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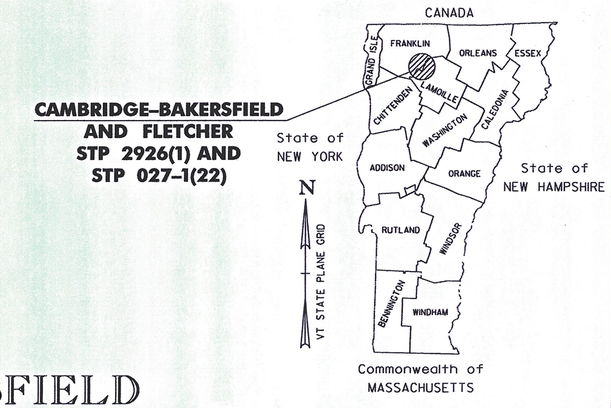
STATE OF VERMONT
AGENCY OF TRANSPORTATION



CAMBRIDGE–BAKERSFIELD AND FLETCHER STP 2926(1) AND STP 027–1(22)

PROPOSED IMPROVEMENT
TOWNS OF CAMBRIDGE, FLETCHER AND BAKERSFIELD
COUNTIES OF LAMOILLE AND FRANKLIN
VT ROUTE 108

CAMBRIDGE–BAKERSFIELD
STP 2926(1)
VT ROUTE 108

SEE SHEET 7 OF 387

FLETCHER
STP 027–1(22)
VT ROUTE 108

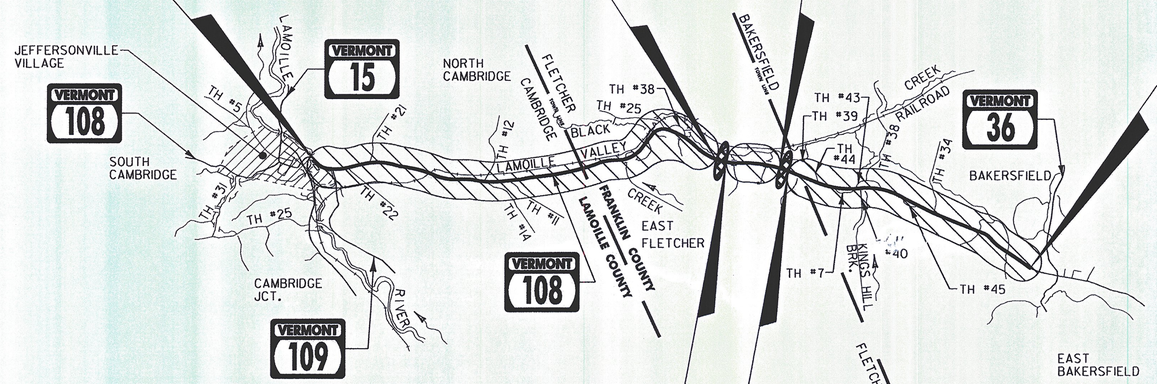
SEE SHEET 349 OF 387

STOP CAMBRIDGE–BAKERSFIELD STP 2926(1)
BEGIN FLETCHER STP 027–1(22)
FLETCHER STA. 78+50.67 (MM 1.487)

BEGIN CAMBRIDGE–BAKERSFIELD STP 2926(1)
CAMBRIDGE STA. 494+36.64 (MM 9.363)

STOP CAMBRIDGE–BAKERSFIELD STP 2926(1)
RESUME FLETCHER STP 027–1(22)
FLETCHER 118+86.00 (MM 2.251)

END CAMBRIDGE–BAKERSFIELD STP 2926(1)
BAKERSFIELD STA. 183+79.68 (MM 3.481)



STOP FLETCHER STP 027–1(22)
RESUME CAMBRIDGE–BAKERSFIELD STP 2926(1)
FLETCHER STA. 80+89.33 (MM 1.532)

END FLETCHER STP 027–1(22)
RESUME CAMBRIDGE–BAKERSFIELD STP 2926(1)
FLETCHER STA. 120+82.33 (MM 2.288)

RECORD PLANS

CONTRACTOR: FRANK W. WHITCOMB CONSTRUCTION, CO. – WALPOLE, NH

RESIDENT ENGINEER: DELVIN, WARNER

CONSTRUCTION BEGAN: APRIL 15TH, 2013

CONSTRUCTION COMPLETE: JULY 2ND, 2014

RECORD PLANS BY: DELVIN WARNER & P. BANNERMAN

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY Delvin W Warner RESIDENT ENGINEER

DATE 04/05/2015

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.

QUALITY ASSURANCE PROGRAM: LEVEL 2

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARDRAIL
RAILROAD
SURVEY LINE
CULVERT
UTILITY POLE
TREES
CONTROL OF ACCESS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS
TOP OF CUT
TOE OF SLOPE

SURVEYED BY : SEE SHEETS 7 AND 349
SURVEYED DATE : SEE SHEETS 7 AND 349

DATUM
VERTICAL SEE SHEETS 7 AND 349
HORIZONTAL SEE SHEETS 7 AND 349

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

Stantec
Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT U.S.A. 05403
Tel. 802.864.0223
Fax. 802.864.0165
www.stantec.com

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED FOR RMT Jim Michael Hedges DATE 11/19/12

PROJECT MANAGER : MICHAEL FOWLER

PROJECT NAME : CAMBRIDGE-BAKERSFIELD AND FLETCHER

PROJECT NUMBER : STP 2926(1) AND STP 027-1(22)

SHEET 1 OF 387 SHEETS

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2	COMPOSITE INDEX OF SHEETS & VAOT STANDARDS
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E-164	06-08-09
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E-172	08-09-95
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G-1d	01-03-00
G-19	11-15-02
J-3	08-07-95

NOT TO SCALE

Stantec

COMPOSITE INDEX OF SHEETS & VAOT STANDARDS

PROJECT NAME: CAMBRIDGE-BAKERSFIELD & FLETCHER
PROJECT NUMBER: STP 2926(1) & STP 027-1(22)

FILE NAME: p11b064.dgn
PROJECT LEADER: JLWLL
DESIGNED BY: STANTEC
IPARM FILE: 11b064cind.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 2 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

COMPOSITE QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES STP 2926(1)				SUMMARY OF ESTIMATED QUANTITIES STP 027-1(22)		TOTALS		DESCRIPTIONS			
ROADWAY	TRAINING	BRIDGE ITEMS	FULL C.E. ITEMS	ROADWAY	EROSION CONTROL	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NO.	ROUND
1						1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10	-
3						3		EACH	THINNING AND TRIMMING FOR SIGNS	201.31	-
20				2740		2760		CY	COMMON EXCAVATION	203.15	-
1130						1130		CY	EARTH BORROW	203.30	-
				1230		1230		CY	GRANULAR BORROW	203.32	-
3200				250		3450		CY	TRENCH EXCAVATION OF EARTH	204.20	-
840				24		864		CY	TRENCH EXCAVATION OF ROCK	204.21	-
1				1		2		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-
161200						161200		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	-
12540						12540		TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.28	-
				1090		1090		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35	-
173000						173000		SY	RECLAIMED STABILIZED BASE	310.20	-
2000						2000		TON	AGGREGATE SHOULDERS, RAP	402.13	-
1						1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-
34200				300		34500		CWT	EMULSIFIED ASPHALT, COLD MIX	415.25	-
20200				170		20370		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	-
1						1		LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-
1						1		LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	-
1						1		LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	-
1						1		LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	-
				2000		2000		LB	REINFORCING STEEL, LEVEL 1	507.11	-
		50				50		LF	REMOVAL OF EXISTING RAILING	525.10	-
		50				50		LF	BRIDGE RAILING REPAIR, TYPE 1	525.50	-
				20		20		CY	CONCRETE, CLASS B	541.25	-
									BEGIN OPTION AA		
				64		64		LF	42" CAAP .105 (2-2/3 X 1/2)	601.0252	-
				64		64		LF	42" PCCSP .109 (2-2/3 X 1/2)	601.0452	-
									END OPTION AA		
20						20		LF	15" CPEP(SL)	601.2610	-
3						3		EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS 1	604.412	-
14600				350		14950		LF	6 INCH UNDERDRAIN PIPE	605.10	-
				3		3		EACH	UNDERDRAIN FLUSHING BASIN	605.95	-
70				5		75		HR	POWER GRADER RENTAL	608.15	-
500				5		505		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE 1	608.25	-
50				5		55		HR	POWER BROOM RENTAL, TYPE 1	608.30	-
600				5		605		HR	TRUCK RENTAL	608.37	-
45				5		50		HR	LOADER RENTAL, TYPE 1	608.40	-

PROJECT NAME: CAMBRIDGE-BAKERSFIELD & FLETCHER
PROJECT NUMBER: STP 2926(1) & STP 027-1(22)

FILE NAME: p11b064.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 11b064cqs01.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 3 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

COMPOSITE QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES STP 2926(1)				SUMMARY OF ESTIMATED QUANTITIES STP 027-1(22)		TOTALS		DESCRIPTIONS			
ROADWAY	TRAINING	BRIDGE ITEMS	FULL C.E. ITEMS	ROADWAY	EROSION CONTROL	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NO.	ROUND
7300				20		7320		CY	STONE FILL, TYPE I	613.10	-
				375		375		CY	STONE FILL, TYPE II	613.11	-
				145		145		CY	STONE FILL, TYPE III	613.12	-
56						56		EACH	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	-
1						1		EACH	RELOCATE MAILBOX, MULTIPLE SUPPORT	617.12	-
240						240		EACH	YIELDING MARKER POSTS	619.17	-
675						675		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	-
9800				200		10000		LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	-
150						150		LF	HD STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.215	-
200						200		LF	HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS	621.217	-
				3		3		EACH	ENERGY ABSORPTION ATTENUATOR	621.56	-
45				1		46		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-
10700				180		10880		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	-
				360		360		LF	TEMPORARY TRAFFIC BARRIER	621.90	-
1580				200		1780		HR	UNIFORMED TRAFFIC OFFICERS	630.10	-
6900				400		7300		HR	FLAGGERS	630.15	-
			1			1		LS	FIELD OFFICE, ENGINEERS	631.10	-
			1			1		LS	TESTING EQUIPMENT, CONCRETE	631.16	-
			1			1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
			3000			3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-
	1040					1040		HR	EMPLOYEE TRAINEESHIP	634.10	-
1						1		LS	MOBILIZATION/DEMOBILIZATION	635.11	-
				1		1		LS	TRAFFIC CONTROL (STP 027-1(22))	641.10	-
1						1		LS	TRAFFIC CONTROL (STP 2926(1))	641.10	-
3						3		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
									BEGIN OPTION BB		
100700				900		101600		LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	-
100700				900		101600		LF	DURABLE 4 INCH WHITE LINE, EPOXY PAINT	646.403	-
100700				900		101600		LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	-
									END OPTION BB		
									BEGIN OPTION CC		
91200				900		92100		LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	-
91200				900		92100		LF	DURABLE 4 INCH YELLOW LINE, EPOXY PAINT	646.413	-
91200				900		92100		LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	-
									END OPTION CC		
									BEGIN OPTION DD		
35						35		LF	DURABLE 8 INCH WHITE LINE, THERMOPLASTIC	646.442	

PROJECT NAME: CAMBRIDGE-BAKERSFIELD & FLETCHER
PROJECT NUMBER: STP 2926(1) & STP 027-1(22)

FILE NAME: p11b064.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 11b064cqs02.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 4 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

COMPOSITE QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES STP 2926(1)				SUMMARY OF ESTIMATED QUANTITIES STP 027-1(22)		TOTALS		DESCRIPTIONS			
ROADWAY	TRAINING	BRIDGE ITEMS	FULL C.E. ITEMS	ROADWAY	EROSION CONTROL	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NO.	ROUND
35						35		LF	DURABLE 8 INCH WHITE LINE, EPOXY PAINT	646.443	-
35						35		LF	DURABLE 8 INCH WHITE LINE, POLYUREA	646.444	-
									END OPTION DD		
									BEGIN OPTION EE		
180						180		LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	-
180						180		LF	DURABLE 24 INCH STOP BAR, EPOXY PAINT	646.483	-
180						180		LF	DURABLE 24 INCH STOP BAR, POLYUREA	646.484	-
									END OPTION EE		
									BEGIN OPTION FF		
24						24		EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-
24						24		EACH	DURABLE LETTER OR SYMBOL, EPOXY PAINT	646.493	-
24						24		EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	-
									END OPTION FF		
402600				2850		405450		LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	-
365000				1800		366800		LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	-
130						130		LF	TEMPORARY 8 INCH WHITE LINE, PAINT	646.642	-
700				30		730		LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	-
100						100		EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-
5100						5100		EACH	LINE STRIPING TARGETS	646.76	-
				350		350		SF	PAVEMENT MARKING MASK	646.86	-
26100				1450		27550		SY	GEOTEXTILE UNDER STONE FILL	649.31	-
14400						14400		SY	GEOTEXTILE FOR SILT FENCE	649.51	-
					190	190		SY	GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED	649.515	-
790				25		815		LB	SEED	651.15	-
3340				200		3540		LB	FERTILIZER	651.18	-
9				1		10		TON	AGRICULTURAL LIMESTONE	651.20	-
7				1		8		TON	HAY MULCH	651.25	-
170				20		190		CY	TOPSOIL	651.35	-
11800						11800		SY	GRUBBING MATERIAL	651.40	-
19700					350	20050		SY	TEMPORARY EROSION MATTING	653.20	-
					12	12		CY	TEMPORARY STONE CHECK DAM, TYPE I	653.25	-
					120	120		CY	VEHICLE TRACKING PAD	653.35	-
12300					660	12960		LF	BARRIER FENCE	653.50	-
12300					245	12545		LF	PROJECT DEMARCATION FENCE	653.55	-
12300						12300		LF	EROSION LOG	653.60	-
720						720		SF	TRAFFIC SIGNS, TYPE A	675.20	-
740						740		LB	TUBULAR STEEL SIGN POST	675.33	-

PROJECT NAME: CAMBRIDGE-BAKERSFIELD & FLETCHER
PROJECT NUMBER: STP 2926(1) & STP 027-1(22)

FILE NAME: p11b064.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 11b064cqs03.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 5 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

COMPOSITE QUANTITY SHEET 4

SUMMARY OF ESTIMATED QUANTITIES STP 2926(1)				SUMMARY OF ESTIMATED QUANTITIES STP 027-1(22)		TOTALS		DESCRIPTIONS			
ROADWAY	TRAINING	BRIDGE ITEMS	FULL C.E. ITEMS	ROADWAY	EROSION CONTROL	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NO.	ROUND
2400						2400		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	-
7						7		EACH	FOUNDATION FOR TUBULAR STEEL POST	675.43	-
200						200		EACH	REMOVING SIGNS	675.50	-
45				1		46		EACH	DELINEATOR WITH STEEL POST	676.10	-
33						33		EACH	REMOVAL OF EXISTING DELINEATOR	676.12	-
				1		1		EACH	TEMPORARY TRAFFIC SIGNAL SYSTEM	678.40	-
1						1		LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-
				180		180		CY	SPECIAL PROVISION (DRAINAGE AGGREGATE)	900.608	-
2						2		EACH	SPECIAL PROVISION (SOIL BEARING SLIP BASE) (2 1/2")	900.620	-
				1		1		LS	SPECIAL PROVISION (TEMPORARY ROADWAY WIDENING) (SITE 1)	900.645	-
				1		1		LS	SPECIAL PROVISION (TEMPORARY ROADWAY WIDENING) (SITE 2)	900.645	-
183200				1460		184660		SY	SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT)	900.675	-
1860				15		1875		SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	-
183200						183200		SY	SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT)	900.675	-
57000				470		57470		TON	SPECIAL PROVISION (MATERIAL TRANSFER DEVICE)	900.680	-
2770						2770		TON	SPECIAL PROVISION (PORTLAND CEMENT FOR BASE STABILIZATION)	900.680	-
690				10		700		TON	SPECIAL PROVISION (PORTLAND CEMENT FOR COLD MIXED RECYCLING)	900.680	-
2400				15		2415		CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)	900.683	-
2280						2280		CWT	SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT)	900.683	-

PROJECT NAME: CAMBRIDGE-BAKERSFIELD & FLETCHER
PROJECT NUMBER: STP 2926(1) & STP 027-1(22)

FILE NAME: p11b064.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 11b064cqs04.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 6 OF 387

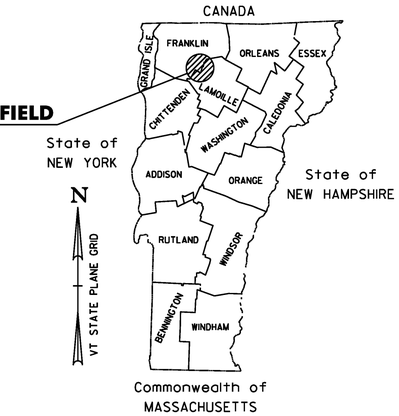
INDEX OF SHEETS

SEE SHEET 2 OF 387

VAOT STANDARDS

SEE SHEET 2 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION



CAMBRIDGE–BAKERSFIELD
STP 2926(1)

PROPOSED IMPROVEMENT
TOWNS OF CAMBRIDGE, FLETCHER AND BAKERSFIELD
COUNTIES OF LAMOILLE AND FRANKLIN
VT ROUTE 108 (MINOR ARTERIAL)

BEGINNING IN THE TOWN OF CAMBRIDGE ON VT ROUTE 108 AT STA. 494+36.64 (MM 9.363) AND CONTINUING NORTHERLY TO AND STOPPING IN FLETCHER AT STA. 78+50.67 (MM 1.487), THEN RESUMING AT FLETCHER STA. 80+89.33 (MM 1.532) AND CONTINUING TO AND STOPPING IN FLETCHER AT STA. 118+86.00 (MM 2.251), THEN RESUMING AT FLETCHER STA. 120+82.33 (MM 2.288) AND CONTINUING NORTHERLY ALONG VT ROUTE 108 AND ENDING AT STA. 183+79.68 (MM 3.481) IN THE TOWN OF BAKERSFIELD.

	LENGTH (FEET)	LENGTH (MILES)
TOWN OF CAMBRIDGE		
VT ROUTE 108		
STA. 494+36.64 TO STA. 693+84.48	19,947.84	
MM 9.363 TO MM 13.141		3.778
TOWN OF FLETCHER		
VT ROUTE 108		
STA. 0+00.00 TO STA. 78+50.67	7,850.67	
MM 0.000 TO MM 1.487		1.487
STA. 80+89.33 TO STA. 118+86.00	3,796.67	
MM 1.532 TO MM 2.251		0.719
STA. 120+82.33 TO STA. 123+12.96	230.63	
MM 2.288 TO MM 2.332		0.044
TOWN OF BAKERSFIELD		
VT ROUTE 108		
STA. 0+00.00 TO STA. 183+79.68	18,379.68	
MM 0.000 TO MM 3.481		3.481
TOTAL LENGTH OF PROJECT:	50,205.49	9.509
TOTAL LENGTH OF ROADWAY:	50,640.48	9.591

TRAFFIC DATA
VT ROUTE 108

LOCATION	AADT		DHV		ESALS	
	2012	2022	2012	2022	2012-2022	2012-2032
BEGIN PROJECT TO VT ROUTE 109	2400	2500	270	280	407,000	970,000
VT ROUTE 109 TO WILSON ROAD (IN FLETCHER)	1200	1200	140	140	292,000	658,000
WILSON ROAD TO END PROJECT	1500	1600	170	180	463,000	1,156,000

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESALS	578,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SUBSECTION 490.03(b)

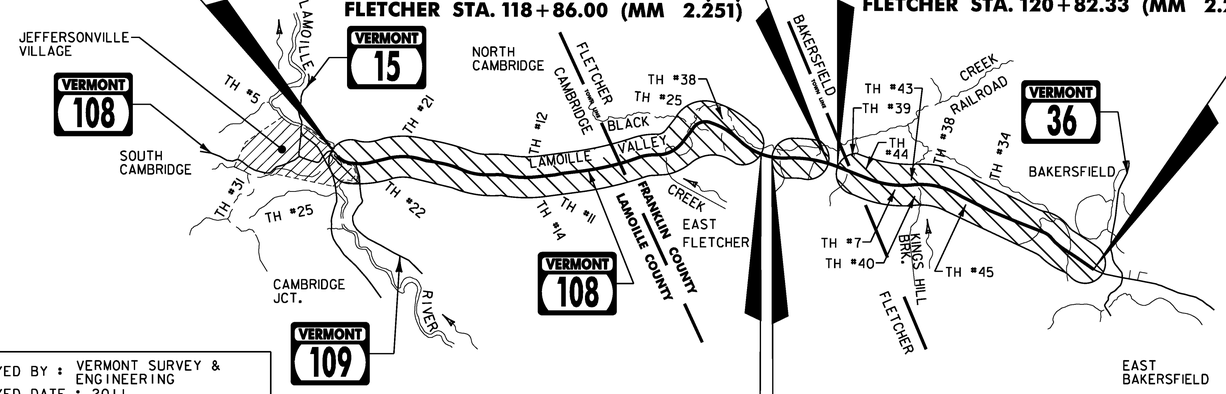
WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING, RECLAIMING AND RESURFACING OF THE EXISTING HIGHWAY WITH A RECLAIMED STABILIZED BASE, COLD MIXED RECYCLED PAVEMENT, LEVELING AND WEARING COURSE, CORRECTING SUPERELEVATION DEFICIENCIES, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS AND OTHER HIGHWAY RELATED ITEMS.

BEGIN CAMBRIDGE–BAKERSFIELD STP 2926(1)
CAMBRIDGE STA. 494+36.64 (MM 9.363)

STOP CAMBRIDGE–BAKERSFIELD STP 2926(1)
RESUME FLETCHER STP 027-1(22)
FLETCHER STA. 118+86.00 (MM 2.251)

END FLETCHER STP 027-1(22)
RESUME CAMBRIDGE–BAKERSFIELD STP 2926(1)
FLETCHER STA. 120+82.33 (MM 2.288)

END CAMBRIDGE–BAKERSFIELD
STP 2926(1)
BAKERSFIELD STA. 183+79.68
(MM 3.481)



STOP CAMBRIDGE–BAKERSFIELD STP 2926(1)
BEGIN FLETCHER STP 027-1(22)
FLETCHER STA. 78+50.67 (MM 1.487)

STOP FLETCHER STP 027-1(22)
RESUME CAMBRIDGE–BAKERSFIELD STP 2926(1)
FLETCHER STA. 80+89.33 (MM 1.532)

VT STATE PLANE GRID

RIGHT-OF-WAY LIMITS, IF APPLICABLE, ARE PROVIDED SOLELY FOR THE CONVENIENCE OF THE STATE AND ITS CONTRACTOR DURING THE COURSE OF THIS PAVING PROJECT. ANY REFERENCES TO OFFSETS ON THESE PLANS ARE APPROXIMATE AND SHOULD NOT BE RELIED UPON FOR ANY PURPOSES.

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN "NOT TO SCALE".

QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARDRAIL
RAILROAD
SURVEY LINE
CULVERT
UTILITY POLE
TREES
CONTROL OF ACCESS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS
TOP OF CUT
TOE OF SLOPE

SURVEYED BY : VERMONT SURVEY & ENGINEERING
SURVEYED DATE : 2011

DATUM
VERTICAL NAVD88
HORIZONTAL NAD83 (2007)

Stantec
Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT U.S.A. 05403
Tel. 802.864.0223
Fax. 802.864.0165
www.stantec.com

pl0b258.dgn
pl0b258ts.l

PROJECT MANAGER : MICHAEL FOWLER

PROJECT NAME : CAMBRIDGE-BAKERSFIELD

PROJECT NUMBER : STP 2926 (1)

STILL 2011

DIRECTION	ACTUAL GRID POINTS		PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH	
N	238630.880 m	782909.711 ft	782909.711 ft
E	473815.556 m	1554512.978 ft	1554512.978 ft
Z	139.610 m	458.038 ft	458.038 ft

GENERAL LOCATION, CAMBRIDGE, VT.

THE MARK IS IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF VT ROUTES 15 AND 108 NORTH AND ACROSS THE ROAD FROM THE JEFFERSONVILLE AUTOMOTIVE BUILDING.

THE MARK IS SET 20 CM (8 INCHES) BELOW GROUND SURFACE IN THE TOP OF A FENO STYLE MONUMENT.

IT IS 7.4 M (24.3 FT) SOUTH OF AND ABOUT 0.2 M (0.7 FT) LOWER THAN THE CENTERLINE OF VT ROUTE 15, 28.3 M (92.8 FT) WEST-SOUTHWEST OF THE NORTH SIGN POST FOR VT ROUTE SIGNS N108/E15/S108/AND TO 109, 33.3 M (109.3 FT) EAST-NORTHEAST OF THE NORTH SIGN POST FOR TOWN SIGNS JOHNSON/MORRISVILLE/BAKERSFIELD/ AND ENOSBURG, 31.2 M (102.4 FT) EAST-NORTHEAST OF THE (INLET) END OF A 46 CM (18 INCH) DIAMETER CONCRETE CULVERT, 27.3 M (89.6 FT) WEST-NORTHWEST OF AND ACROSS THE ROAD FROM POLE NO 77, 42.6 M (139.8 FT) WEST-SOUTHWEST OF AN UNNUMBERED POLE AND 0.3 M (1.0 FT) NORTH OF A FIBERGLASS WITNESS POST.

DESCRIPTIONS PROVIDED BY VERMONT AGENCY OF TRANSPORTATION GEODETIC SURVEY UNIT.

U 20 1935

DIRECTION	ACTUAL GRID POINTS		PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH	
N	242103.758 m	794302.080 ft	794302.090 ft
E	474128.007 m	1555534.970 ft	1555534.510 ft
Z	146.496 m	480.63 ft	480.97 ft

GENERAL LOCATION, CAMBRIDGE, VT

TO REACH FROM THE INTERSECTION OF VT ROUTES 15 AND 108 NORTH IN JEFFERSONVILLE. GO NORTH ALONG VT ROUTE 108 FOR 2.1 MI (3.4 KM) TO THE INTERSECTION OF A FIELD DRIVE ON THE LEFT.

THE MARK IS SET IN THE TOP OF A 20 CM (8 INCH) SQUARE CONCRETE POST WHICH PROJECTS 2 CM (1 INCH) ABOVE GROUND SURFACE.

IT IS 27.5 M (90.2 FT) WEST OF AND ABOUT 2.0 M (6.6 FT) HIGHER THAN THE CENTERLINE OF VT ROUTE 108, 17.2 M (56.4 FT) NORTHWEST OF POLE NO 2134, 6.9 M (22.6 FT) NORTH OF THE FIELD DRIVE, 6.4 M (21.0 FT) EAST OF THE RAIL TRAIL, 10.0 M (32.8 FT) SOUTH OF A 70 CM (28 INCH) PINE, 1.4 M (4.6 FT) EAST OF AN ASH TREE WITH TRIANGLE BLAZE AND 0.3 M (1.0 FT) SOUTHWEST OF A METAL WITNESS POST.

H 6 1924

DIRECTION	ACTUAL GRID POINTS		PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH	
N	242272.630 m	794857.710 ft	794857.710 ft
E	474245.504 m	1555923.570 ft	1555923.570 ft
Z	147.837 m	485.03 ft	485.03 ft

GENERAL LOCATION, CAMBRIDGE, VT

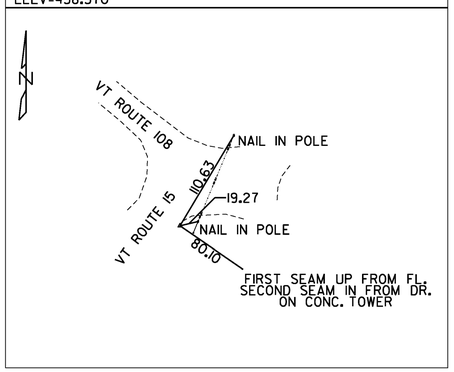
TO REACH FROM THE INTERSECTION OF VT ROUTES 15 AND 108 NORTH IN JEFFERSONVILLE, GO NORTH ALONG VT ROUTE 108 FOR 2.5 MI (4.0 KM) TO THE INTERSECTION OF POLLANDER ROAD LEFT AND THE SITE OF THE MARK ON THE RIGHT IN THE WOODS. IT IS ABOUT 10.0 M (32.8 FT) SOUTH-SOUTHWEST OF THE INTERSECTION OF POLLANDER ROAD.

THE MARK IS SET 1.0 M (3.3 FT) NORTH OF THE SOUTH EDGE AND 0.7 M (2.3 FT) EAST OF THE WEST EDGE IN THE SOUTH END OF A GRANITE LEDGE WHICH IS ABOUT 1.1 M (3.6 FT) ABOVE GROUND SURFACE.

IT IS 18.9 M (62.0 FT) EAST OF AND ABOUT 1.3 M (4.3 FT) HIGHER THAN THE CENTERLINE OF VT ROUTE 108, 12.4 M (40.7 FT) SOUTH-SOUTHEAST OF POLE NO 34/320/2137, 8.0 M (26.2 FT) SOUTH OF THE SOUTHEAST GUY ANCHOR AND 7.0 M (23.0 FT) SOUTHWEST OF A 45 CM (18 INCH) PINE WITH TRIANGLE BLAZE.

HVCTRL 2

N=782970.610
E=1554617.960
ELEV=458.570



HVCTRL 1

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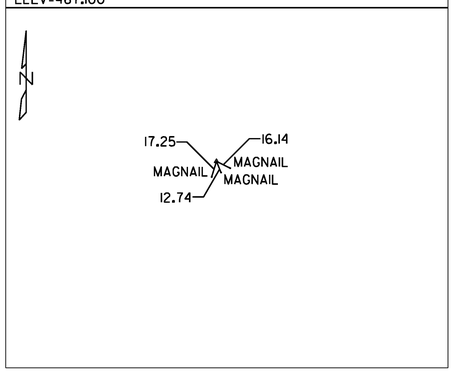

HVCTRL 101

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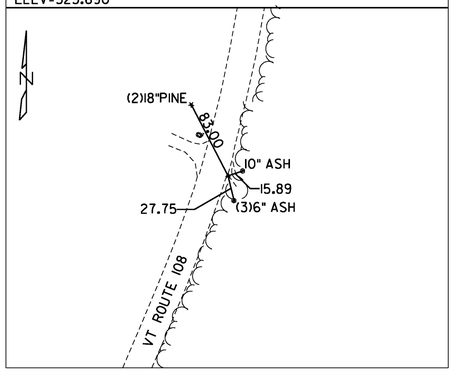
ELEV=523.690



HVCTRL 200

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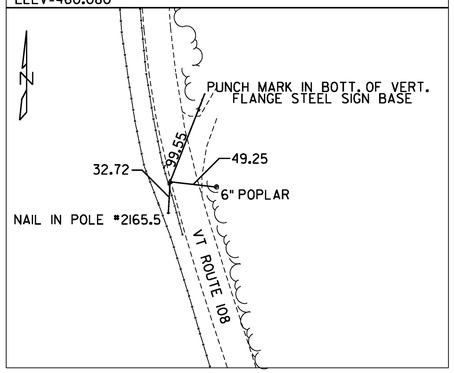
ELEV=460.080



HVCTRL 300

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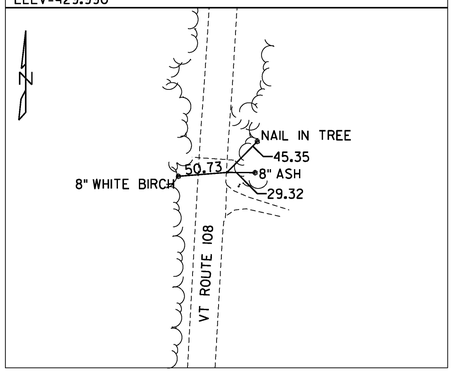
ELEV=429.990



NOT TO SCALE

NOTE: ALL DIMENSIONS ARE IN FEET UNLESS NOTED OTHERWISE.

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (07)
ADJUSTMENT	NONE

Stantec

PROJECT TIE SHEET #1

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258ct01.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 8 OF 387

KOROL 1999

DIRECTION	ACTUAL GRID POINTS		PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH	
N	243724.143 m	799610.168 ft	799618.373 ft
E	474045.394 m	1555248.129 ft	1555263.924 ft
Z	145.532 m	477.46 ft	477.42 ft

GENERAL LOCATION, CAMBRIDGE, VT.

TO REACH FROM THE INTERSECTION OF VT ROUTES 108 AND 109, JUST NORTH OF JEFFERSONVILLE, GO NORTH ALONG VT ROUTE 108 FOR 2.85 MI (4.59 KM) TO THE SITE OF THE MARK ON THE LEFT, JUST SOUTH OF THE SEE SPOT RUN KENNEL. IT IS 0.8 MI (1.3 KM) SOUTH ALONG VT ROUTE 108 FROM THE CAMBRIDGE-FLETCHER TOWN LINE. THE MARK IS SET IN THE TOP OF A 30 CM (12 INCH) DIAMETER CONCRETE MONUMENT WHICH PROJECTS 5 CM (2 INCH) ABOVE GROUND SURFACE. IT IS 13.2 M (43.3 FT) WEST OF AND ABOUT LEVEL WITH THE WEST EDGE OF PAVEMENT OF VT.ROUTE 108, 45.4 M (148.9 FT) SOUTH OF POLE NO 11K/67S, 25.9 M (85.0 FT) NORTHWEST OF POLE NO TS320/2155, AND 0.3 M (1.0 FT) EAST OF A FIBERGLASS WITNESS POST

KOROL AZ MK 200

DIRECTION	ACTUAL GRID POINTS		PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH	
N	244555.239 m	802346.585 ft	802346.585 ft
E	473825.787 m	1554546.546 ft	1554546.546 ft
Z	139.028 m	456.13 ft	456.13 ft

GENERAL LOCATION, CAMBRIDGE, VT

TO REACH FROM THE INTERSECTION OF VT ROUTE 108 AND VT ROUTE 109 GO NORTH ALONG VT ROUTE 108 FOR 3.4 MI TO THE SITE OF THE MARK ON THE LEFT ON A SMALL KNOLL IN A PASTURE. IT IS ABOUT 35 M SOUTH ALONG VT ROUTE 108 FROM THE GRAVEL DRIVE LEADING TO THE PERRY RESIDENCE, HOUSE NO 3912. THE MARK IS SET 4 CM BELOW GROUND SURFACE IN THE TOP OF A FENO STYLE MONUMENT. IT IS 15.1 M WEST OF AND ABOUT 0.5 M LOWER THAN THE CENTERLINE OF VT ROUTE 108, 22.9 M SOUTH SOUTHWEST OF POLE NO 2165 1/2, 35.7 M NORTHWEST OF POLE NO TS320/2165, AND 9.7 M WEST OF A WIRE FENCE AND A FIBERGLASS WITNESS POST.

FLETCH

DIRECTION	ACTUAL GRID POINTS		PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH	
N	248009.457 m	813679.320 ft	813679.320 ft
E	473980.390 m	1555053.772 ft	1555053.772 ft
Z	140.482 m	460.898 ft	460.898 ft

GENERAL LOCATION, FLETCHER, VT

TO REACH FROM THE INTERSECTION OF VT ROUTES 36 AND 108 IN BAKERSFIELD, GO SOUTH ALONG VT ROUTE 108 FOR 1.7 MI (2.7 KM) TO THE INTERSECTION OF WHITNEY ROAD RIGHT. CONTINUE SOUTH ALONG VT ROUTE 108 FOR 2.0 MI (3.2 KM) TO THE SITE OF THE MARK ON THE RIGHT.

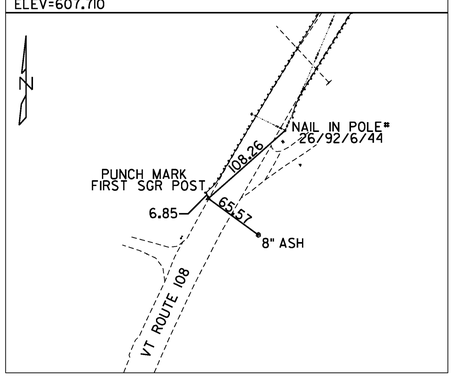
THE MARK IS SET 25 CM (10 INCHES) BELOW GROUND SURFACE IN THE TOP OF A FENO STYLE MONUMENT.

IT IS 9.4 M (30.8 FT) NORTHWEST OF AND ABOUT 1.0 M (3.3 FT) HIGHER THAN THE CENTERLINE OF VT ROUTE 108, 16.1 M (52.8 FT) NORTH-NORTHEAST OF MILE MARKER POST 1080/0606/0220, 30.4 M (99.7 FT) WEST OF AND ACROSS THE ROAD FROM POLE NO 11K/114/77 WITH TRANSFORMER, 80.0 M (262.5 FT) SOUTHWEST OF THE SOUTHWEST END POST OF A METAL GUARD RAIL AND 0.4 M (1.3 FT) SOUTHEAST OF A FIBERGLASS WITNESS POST.

DESCRIPTIONS PROVIDED BY VERMONT AGENCY OF TRANSPORTATION GEODETIC SURVEY UNIT.

HVCTRL 400

N=821940.040
E=1556822.070
ELEV=607.710



HVCTRL 401

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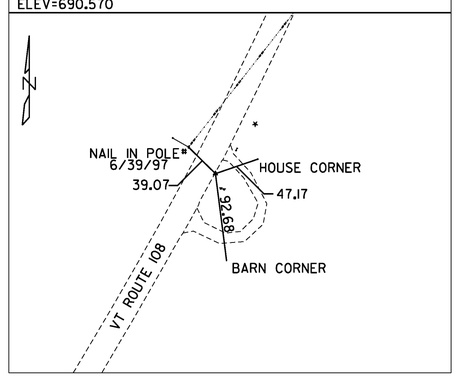
ELEV=690.570



HVCTRL 500

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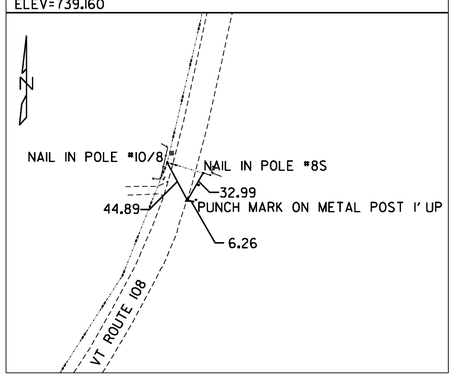

HVCTRL 501

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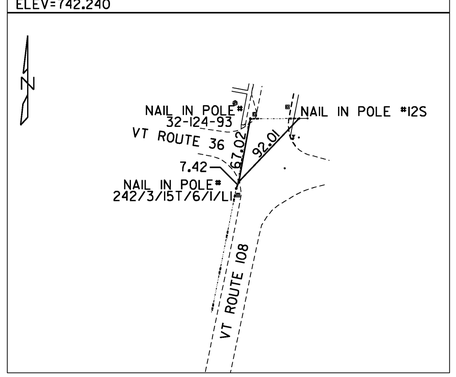


NOT TO SCALE

NOTE: ALL DIMENSIONS ARE IN FEET UNLESS NOTED OTHERWISE.

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (07)
ADJUSTMENT	NONE

Stantec

PROJECT TIE SHEET #2

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258ct02.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 9 OF 387

BAKE 1

DIRECTION	ACTUAL GRID POINTS		PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH	
N	248816.886 m	816328.366 ft	816328.366 ft
E	474227.590 m	1555864.797 ft	1555864.797 ft
Z	161.120 m	528.61 ft	528.61 ft

GENERAL LOCATION, BAKERSFIELD, VT.

TO REACH FROM THE INTERSECTION OF VT ROUTES 36 AND 108 IN BAKERSFIELD, GO SOUTH ALONG VT ROUTE 108 FOR 1.7 MI (2.7 KM) TO THE INTERSECTION OF WHITNEY ROAD RIGHT. CONTINUE SOUTH ALONG VT ROUTE 108 FOR 1.5 MI (2.4 KM) TO THE SITE OF THE MARK ON THE RIGHT. IT IS ABOUT 37 M (121.4 FT) NORTH OF JORDAN ROAD RIGHT AND MILE MARKER POST 1080/0601/0038.

THE MARK IS SET 10 CM (4 INCHES) BELOW GROUND SURFACE IN THE TOP OF A FENO STYLE MONUMENT.

IT IS 7.0 M (23.0 FT) NORTHWEST OF AND ABOUT 0.1 M (0.3 FT) HIGHER THAN THE CENTERLINE OF VT ROUTE 108, 13.7 M (44.9 FT) SOUTH-SOUTHWEST OF POLE NO 14, 14.6 M (47.9 FT) SOUTH-SOUTHWEST OF MAILBOX NO 3275, 33.1 M (108.6 FT) NORTHEAST OF POLE NO 6/71 AND 0.3 M (1.0 FT) SOUTHEAST OF A FIBERGLASS WITNESS POST.

DESCRIPTIONS PROVIDED BY VERMONT AGENCY OF TRANSPORTATION GEODETIC SURVEY UNIT.

BAKE 2

DIRECTION	ACTUAL GRID POINTS		PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH	
N	249174.563 m	817501.848 ft	817501.850 ft
E	474388.935 m	1556394.142 ft	1556394.110 ft
Z	164.985 m	541.29 ft	541.30 ft

GENERAL LOCATION, BAKERSFIELD, VT

TO REACH FROM THE INTERSECTION OF VT ROUTES 36 AND 108 IN BAKERSFIELD, GO SOUTH ALONG VT ROUTE 108 FOR 1.7 MI (2.7 KM) TO THE INTERSECTION OF WHITNEY ROAD RIGHT. CONTINUE SOUTH ALONG VT ROUTE 108 FOR 1.3 MI (2.1 KM) TO THE SITE OF THE MARK ON THE RIGHT. IT IS ABOUT 50 M (164.0 FT) NORTH OF THE SOUTHERN INTERSECTION OF GAMBLER ROAD LEFT.

THE MARK IS SET 10 CM (4 INCHES) BELOW GROUND SURFACE IN THE TOP OF A FENO STYLE MONUMENT.

IT IS 6.2 M (20.3 FT) WEST OF AND ABOUT 0.3 M (1.0 FT) LOWER THAN THE CENTERLINE OF VT ROUTE 108, 49.6 M (162.7 FT) NORTH OF AND ACROSS THE ROAD FROM A STOP SIGN AND MILE MARKER POST 1080/0601/0061, 37.6 M (123.4 FT) SOUTHWEST OF AND ACROSS THE ROAD FROM POLE NO 6/60 AND 0.3 M (1.0 FT) EAST OF A FIBERGLASS WITNESS POST.

TENNYSON

DIRECTION	ACTUAL GRID POINTS		PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH	
N	250766.629 m	822725.159 ft	822725.159 ft
E	474614.289 m	1557133.493 ft	1557133.493 ft
Z	200.740 m	658.60 ft	658.60 ft

GENERAL LOCATION, BAKERSFIELD, VT

TO REACH FROM THE INTERSECTION OF VT ROUTES 36 AND 108 IN BAKERSFIELD, GO SOUTH ALONG VT ROUTE 108 FOR 1.7 MI (2.7 KM) TO THE INTERSECTION OF WHITNEY ROAD RIGHT. CONTINUE SOUTH ALONG VT ROUTE 108 FOR 0.2 MI (0.3 KM) TO THE SITE OF MARK ON THE RIGHT IN A FIELD.

THE MARK IS SET IN THE TOP OF A MASSIVE ROCK OUTCROP WHICH PROJECTS 3.0 M (9.8 FT) ABOVE GROUND SURFACE.

IT IS 50.7 M (166.3 FT) NORTHWEST OF AND ABOUT 2.0 M (6.6 FT) HIGHER THAN THE CENTERLINE OF VT ROUTE 108, 59.4 M (194.9 FT) NORTH OF POLE NO 26/94/42, 70.0 M (229.7 FT) EAST OF A 140 CM (55 INCH) MAPLE THE CENTER TREE IN A ROW OF THREE, 14.3 M (46.9 FT) SOUTH OF A HAWTHORNE CLUMP, 35.5 M (116.5 FT) WEST OF POLE NO 95/41 AND A FIBERGLASS WITNESS POST.

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (07)
ADJUSTMENT	NONE

NOT TO SCALE

NOTE: ALL DIMENSIONS ARE IN FEET UNLESS NOTED OTHERWISE.

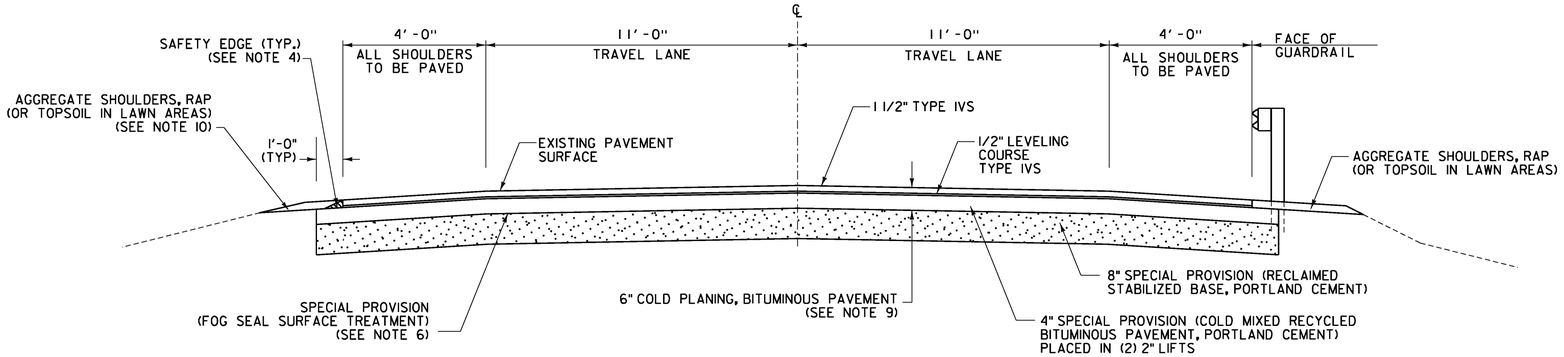
Stantec

PROJECT TIE SHEET #3

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258ct03.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 10 OF 387



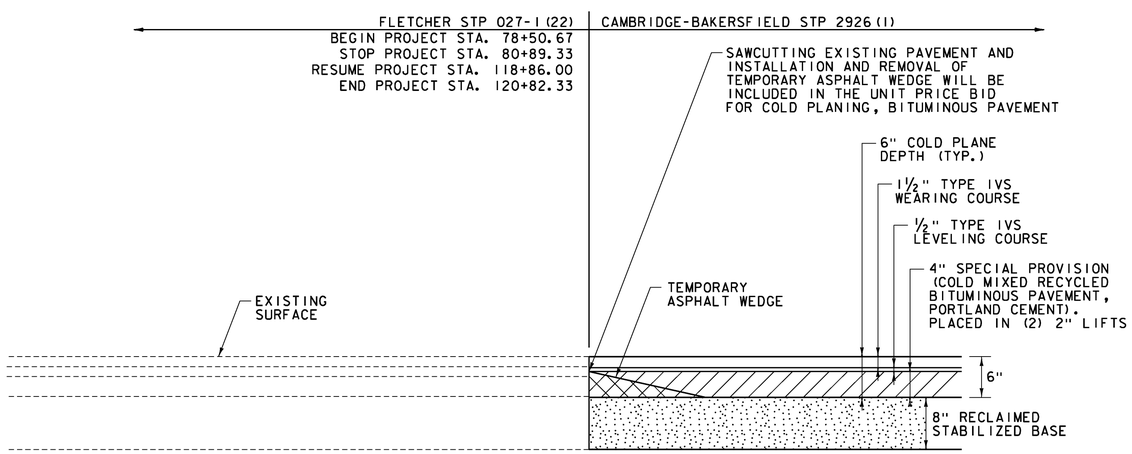
RECLAMATION TYPICAL SECTION

CAMBRIDGE VT ROUTE 108 STA. 494+36.64 TO 693+84.48
FLETCHER VT ROUTE 108 STA. 0+00.00 TO STA. 78+50.67
FLETCHER VT ROUTE 108 STA. 80+89.33 TO STA. 118+86.00
FLETCHER VT ROUTE 108 STA. 120+82.33 TO STA. 123+12.96
BAKERSFIELD VT ROUTE 108 STA. 0+00.00 TO STA. 183+79.68

TYPICAL ORDER OF OPERATIONS FOR RECLAIMED STABILIZED BASE WITH PORTLAND CEMENT PAVEMENT REHABILITATION

STEP	DESCRIPTION	PAYMENT ITEM(S)
1	COLD PLANE EXISTING BITUMINOUS CONCRETE PAVEMENT	ITEM 210.10 COLD PLANING BITUMINOUS PAVEMENT
2	REPAIR EXISTING SHOULDERS AS DIRECTED BY THE ENGINEER	ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED
3	RECLAIM EXISTING ROAD BED 8" USING WATER FOR STABILIZATION AND COMPACTION	ITEM 310.20 RECLAIMED STABILIZED BASE
4	CORRECT SUPERELEVATION DEFICIENCIES	ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED
5	PLACE PORTLAND CEMENT ON ROAD BED SURFACE AND RECLAIM ROAD BED 8", CURE, MICROCRACK AND APPLY FOG SEAL SURFACE TREATMENT	ITEM 900.675 SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT), ITEM 900.680 SPECIAL PROVISION (PORTLAND CEMENT FOR BASE STABILIZATION) AND ITEM 900.683 SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT)
6	PLACE 4" COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT IN (2) 2" LIFTS	ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED PAVEMENT, PORTLAND CEMENT)
7	PLACE 1/2" TYPE IVS LEVELING AND 1 1/2" TYPE IVS WEARING COURSE	ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT

NOTE: THIS LIST OF PROCEDURES FOR REHABILITATING THE EXISTING ROADBED ARE PRESENTED FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL PREPARE THEIR OWN SCHEDULE OF OPERATIONS TO COMPLETE THE PROPOSED WORK UTILIZING THE APPROPRIATE PAY ITEMS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.



APPROACH AREA DETAIL

FLETCHER STA. 78+50.67 - STOP STP 2926 (1)
FLETCHER STA. 80+89.33 - RESUME STP 2926 (1)
FLETCHER STA. 118+86.00 - STOP STP 2926 (1)
FLETCHER STA. 120+82.33 - RESUME STP 2926 (1)

NOTES

1. THE PAVEMENT LEVELING COURSE AND WEARING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS. LEVELING HAS BEEN INCLUDED TO RESHAPE THE ROADWAY PRIOR TO PAVING THE WEARING COURSE ALONG THE ENTIRE PROJECT. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE AS SPECIFIED IN SUBSECTION 490.03(b).
2. FOR THE PURPOSES OF QUANTITY CALCULATION IT HAS BEEN ASSUMED ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT) WILL REQUIRE 4% BY WEIGHT OF ITEM 415.25 EMULSIFIED ASPHALT, COLD MIX. FOR THE SAME PURPOSE IT HAS ALSO BEEN ASSUMED 2% BY WEIGHT OF PORTLAND CEMENT WILL BE REQUIRED BY MIX DESIGN.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +1/4 INCH. (TOTAL THICKNESS EXCLUDING LEVELING). SUBBASE OF CRUSHED GRAVEL, FINE GRADED TOLERANCE = ± 1 INCH TOTAL SUBBASE THICKNESS.
4. EDGES OF NEW PAVEMENT SHALL INCLUDE A SAFETY EDGE AS SHOWN ON SHEET 12.
5. EMULSIFIED ASPHALT, TYPE CRS-1H, SHALL BE APPLIED AS A TACK COAT ON THE COLD MIXED RECYCLED PAVEMENT AT A RATE OF 0.04 TO 0.06 GAL/SY. EMULSIFIED ASPHALT TYPE CRS-1H OR RS-1H SHALL BE APPLIED AS A TACK COAT BETWEEN THE 1/2 INCH LEVELING COURSE AND THE 1 1/2 INCH WEARING COURSE OF SUPERPAVE BITUMINOUS CONCRETE PAVEMENT AT A RATE OF 0.025 TO 0.04 GAL/SY. BOTH APPLICATIONS WILL BE PAID UNDER ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H).
6. ITEM 900.683 SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT) SHALL BE APPLIED ON THE SURFACE OF THE RECLAIMED STABILIZED BASE, PORTLAND CEMENT AT THE RATE OF 0.15 GAL/SY OR AS DIRECTED BY THE ENGINEER.
7. PRIOR TO RECLAIMING, ANY EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE ENGINEER WILL BE EXCAVATED TO THE DEPTH OF RECLAIMING OR AS DIRECTED BY THE ENGINEER. EXCAVATED MATERIAL WILL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR USING THE APPROPRIATE RENTAL ITEMS. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED. FOR EXISTING SHOULDER RECONSTRUCTION DETAIL SEE SHEET 12.
8. AN ADDITIONAL QUANTITY OF ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED HAS BEEN INCLUDED TO CORRECT SUPERELEVATION AND GRADATION DEFICIENCIES WITHIN THE RECLAIMED SECTION.
9. COLD PLANING TO BE COMPLETED ACCORDING TO TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. THIS SHALL BE PAID AS ITEM 210.10 COLD PLANING, BITUMINOUS PAVEMENT. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE BEGINNING AND END OF THE PROJECT AND ALL PAVED SIDE ROAD APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER. SAWCUTTING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO ITEM 210.10 COLD PLANING, BITUMINOUS PAVEMENT.
10. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDERS, RAP AS DIRECTED BY THE ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.13 AGGREGATE SHOULDERS, RAP.
11. ALL PAVED AND GRAVEL RESIDENTIAL AND COMMERCIAL DRIVES SHALL RECEIVE A PAVED APRON OF 4 FEET, AND ALL FIELD DRIVES SHALL RECEIVE A 2 FOOT PAVED APRON UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 900.675, SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
12. 3' - 7" OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6 FOOT POSTS. IF THIS CANNOT BE OBTAINED THEN 8 FOOT POSTS SHALL BE USED. PAYMENT WILL BE MADE UNDER ITEM 621.20 STEEL BEAM GUARDRAIL, GALVANIZED OR ITEM 621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS.
13. A QUANTITY FOR ITEM 604.412, REHAB DI, CB OR MH, CLASS 1 HAS BEEN INCLUDED IN THE QUANTITIES TO BE USED AS DIRECTED BY THE ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.
14. ESTIMATED QUANTITIES OF ITEMS 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE 1, ITEM 608.37 TRUCK RENTAL AND ITEM 608.40 LOADER RENTAL, TYPE 1 HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTION FLARES WITH EXCAVATED DITCHING MATERIAL. AN ESTIMATED QUANTITY OF ITEM 203.30 EARTH BORROW HAS BEEN INCLUDED IN THE CASE THAT THE DITCHING MATERIAL IS NOT SUITABLE TO USE IN THE GUARDRAIL END SECTION FLARE AREA. THE AMOUNT OF 25 CUBIC YARDS OF EARTH BORROW HAS BEEN ESTIMATED FOR EACH NEW GUARDRAIL END SECTION FLARE. ITEM 653.20 TEMPORARY EROSION MATTING SHALL BE PLACED ON ALL SLOPES CREATED BY THE GUARDRAIL END SECTION FLARE. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL END SECTION FLARE TO BE USED AS DIRECTED BY THE ENGINEER. PRIOR TO THE PLACEMENT OF TEMPORARY EROSION MATTING, THE AREA SHALL BE TOPSOILED AND SEEDED USING ITEM 651.35, TOPSOIL AND ITEM 651.15 SEED.
15. AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS, UNDERDRAIN OUTLETS, AND DROP INLETS LOCATED OUTSIDE THE PAVEMENT SURFACE OR AS DIRECTED BY THE ENGINEER.
16. APPROXIMATE WETLANDS HAVE BEEN LOCATED NEAR SECTIONS OF THE PROJECT AREA. IF WORK EXTENDS INTO THESE WETLANDS, STATE AND FEDERAL PERMITS WILL BE REQUIRED (TO BE ACQUIRED BY THE CONTRACTOR). SEE LAYOUTS FOR INDIVIDUAL SENSITIVE AREAS.
17. STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
18. THE FIRST RECLAIM PASS SHALL BE PERFORMED FROM TOP OF BANK TO TOP OF BANK WHERE FULL WIDTH IS NOT ACHIEVABLE. THIS WORK SHALL BE PAID UNDER ITEM 310.20 RECLAIMED STABILIZED BASE. THE SECOND PASS SHALL BE PERFORMED FULL WIDTH PER THE TYPICAL SECTION. THIS WORK SHALL BE PAID UNDER ITEM 900.675 SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT).
19. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE PROJECT AREA TO OBTAIN A UNIT COST FOR ITEM 201.10 CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS.
20. ITEMS 653.50 BARRIER FENCE AND 653.60 EROSION LOG SHALL BE USED AT THE DISCRETION OF THE ENGINEER.

NOT TO SCALE

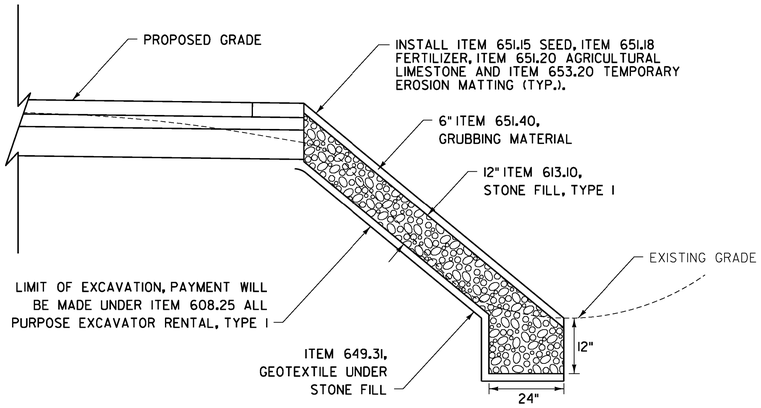
Stantec

PROJECT TYPICAL SHEET #1

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

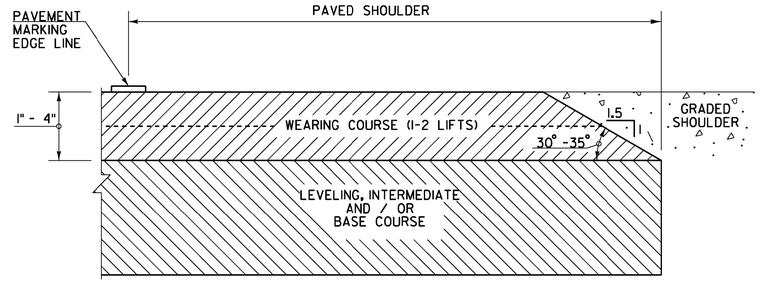
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258pts01.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 11 OF 387



STONE FILL, TYPE I FOR SLOPE STABILIZATION DETAIL

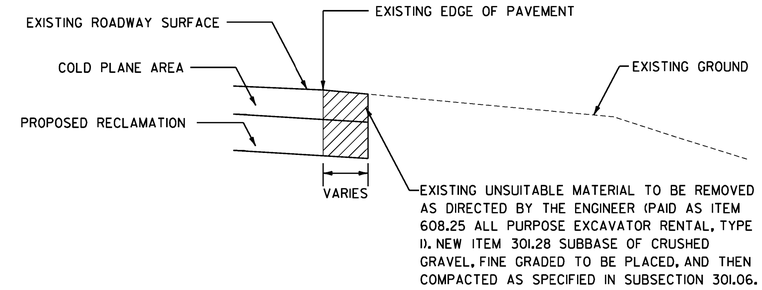
NOTES:
1. STONE FILL TO BE PLACED ON SLOPES 1:1.5 OR STEEPER
2. SEE SHEETS 27-80 FOR LOCATIONS



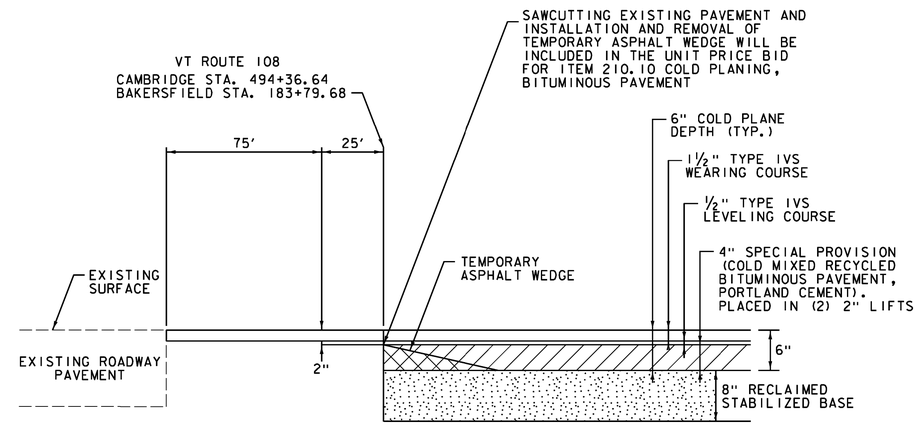
SAFETY EDGE DETAIL

NOT TO SCALE

NOTE: LEVELING COURSE MAY INCLUDE THE "SAFETY EDGE" AT THE CONTRACTOR'S CHOICE.

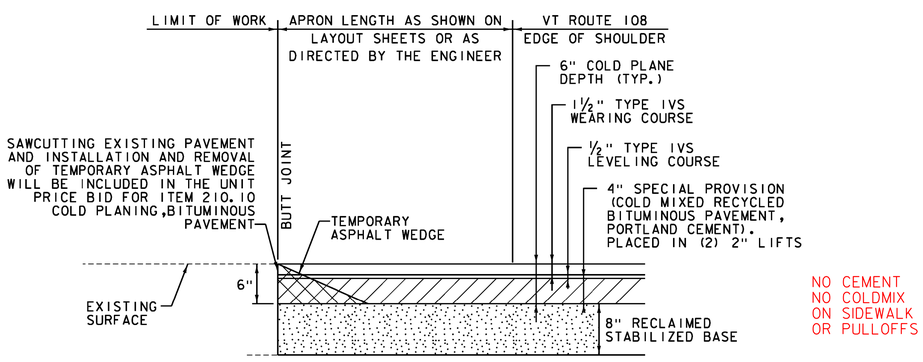


EXISTING SHOULDER RECONSTRUCTION DETAIL



APPROACH AREA DETAIL

VT ROUTE 108 CAMBRIDGE STA 494+36.64 - BEGIN PROJECT
VT ROUTE 108 BAKERSFIELD STA 183+79.68 - END PROJECT



NO CEMENT
NO COLDMIX
ON SIDEWALK
OR PULLOFFS

SIDE ROAD AREA DETAIL – TOWN HIGHWAYS

FULL WIDTH OF TOWN HIGHWAY

NOTE: THIS DETAIL SHALL BE USED FOR THE SIDE ROADS LISTED BELOW AS DIRECTED BY THE ENGINEER.

CAMBRIDGE
STA. 501+75, RT (VT ROUTE 109)
STA. 512+73, RT (FISHER ROAD TH-22)
STA. 605+12, LT (POLLANDER ROAD TH-12)
STA. 621+11, RT (ROBINSON ROAD TH-11)
FLETCHER
STA. 38+50, LT (WILSON ROAD TH-25)
STA. 41+26, LT (LANGE ROAD TH-38)
STA. 56+33, LT (LANGE ROAD TH-38)
STA. 121+61, LT (SHORT ROAD TH-39)
BAKERSFIELD
STA. 21+18, LT (JORDAN ROAD TH-44)
STA. 32+11, RT (GAMBLER ROAD TH-7)
STA. 47+84, RT (GAMBLER ROAD TH-7)
STA. 49+17, LT (LOST NATION ROAD TH-43)
STA. 50+70, RT (OLD STAGE COACH ROAD TH-40)
STA. 65+15, LT (LOST NATION ROAD TH-38)
STA. 79+61, RT (BURNOR ROAD TH-45)
STA. 88+34, RT (BURNOR ROAD TH-45)
STA. 103+19, LT (WHITNEY ROAD TH-34)

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREEPING RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80 LB/A			

SEEDING NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED ITEM 651.15: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.

FERTILIZER ITEM 651.18: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

AGRICULTURAL LIMESTONE ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

HAY MULCH ITEM 651.25: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

NOT TO SCALE

Stantec

PROJECT TYPICAL SHEET #2

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258pts02.i
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 12 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES							TOTALS		DESCRIPTIONS		
			ROADWAY	TRAINING	BRIDGE ITEMS	FULL C.E. ITEMS	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
			1				1	LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10	-
			3				3	EACH	THINNING AND TRIMMING FOR SIGNS	201.31	-
			20				20	CY	COMMON EXCAVATION	203.15	4
			1130				1130	CY	EARTH BORROW	203.30	5
			3200				3200	CY	TRENCH EXCAVATION OF EARTH	204.20	27
			840				840	CY	TRENCH EXCAVATION OF ROCK	204.21	17
			1				1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-
			161200				161200	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	1657
			12540				12540	TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.28	126
			173000				173000	SY	RECLAIMED STABILIZED BASE	310.20	1933
			2000				2000	TON	AGGREGATE SHOULDERS, RAP	402.13	25
			1				1	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-
			34200				34200	CWT	EMULSIFIED ASPHALT, COLD MIX	415.25	348
			20200				20200	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	217
			1				1	LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-
			1				1	LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	-
			1				1	LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	-
			1				1	LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	-
					50		50	LF	REMOVAL OF EXISTING RAILING	525.10	-
					50		50	LF	BRIDGE RAILING REPAIR, TYPE I	525.50	-
			20				20	LF	15" CPEP (SL)	601.2610	EST.
			3				3	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	-
			14600				14600	LF	6 INCH UNDERDRAIN PIPE	605.10	239
			70				70	HR	POWER GRADER RENTAL	608.15	EST.
			500				500	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
			50				50	HR	POWER BROOM RENTAL, TYPE I	608.30	EST.
			600				600	HR	TRUCK RENTAL	608.37	EST.
			45				45	HR	LOADER RENTAL, TYPE I	608.40	EST.
			7300				7300	CY	STONE FILL, TYPE I	613.10	101
			56				56	EACH	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	-
			1				1	EACH	RELOCATE MAILBOX, MULTIPLE SUPPORT	617.12	-
			240				240	EACH	YIELDING MARKER POSTS	619.17	4
			675				675	LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	19
			9800				9800	LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	103
			150				150	LF	HD STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.215	20
			200				200	LF	HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS	621.217	-
			45				45	EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING, BITUMINOUS PAVEMENT
157510	SY	MAINLINE
2033	SY	SIDE ROADS
1657	SY	ROUNDING
161200	SY	TOTAL
		RECLAIMED STABILIZED BASE
168139	SY	MAINLINE
2928	SY	SIDE ROADS
1933	SY	ROUNDING
173000	SY	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
14636	TON	MAINLINE (WEARING COURSE TYPE IVS)
256	TON	SIDE ROADS (WEARING COURSE TYPE IVS)
127	TON	PULL-OFF (WEARING COURSE TYPE IVS)
4964	TON	LEVELING (TYPE IVS)
217	TON	ROUNDING
20200	TON	TOTAL
		STONE FILL, TYPE I
2771	CY	DITCH CLEANING
4428	CY	SLOPE STABILIZATION
101	CY	ROUNDING
7300	CY	TOTAL

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258qs01.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 13 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES						TOTALS	DESCRIPTIONS			
			ROADWAY	TRAINING	BRIDGE ITEMS	FULL C.E. ITEMS	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
			10700				10700	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	34
			1580				1580	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
			6900				6900	HR	FLAGGERS	630.15	EST.
						1	1	LS	FIELD OFFICE, ENGINEERS	631.10	-
						1	1	LS	TESTING EQUIPMENT, CONCRETE	631.16	-
						1	1	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
						3000	3000	DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-
				1040			1040	HR	EMPLOYEE TRAINEESHIP	634.10	-
			1				1	LS	MOBILIZATION/DEMOBILIZATION	635.11	-
			1				1	LS	TRAFFIC CONTROL (STP 2926(1))	641.10	-
			3				3	EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
									BEGIN OPTION AA		
			100700				100700	LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	1042
			100700				100700	LF	DURABLE 4 INCH WHITE LINE, EPOXY PAINT	646.403	1042
			100700				100700	LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	1042
									END OPTION AA		
									BEGIN OPTION BB		
			91200				91200	LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	911
			91200				91200	LF	DURABLE 4 INCH YELLOW LINE, EPOXY PAINT	646.413	911
			91200				91200	LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	911
									END OPTION BB		
									BEGIN OPTION CC		
			35				35	LF	DURABLE 8 INCH WHITE LINE, THERMOPLASTIC	646.442	3
			35				35	LF	DURABLE 8 INCH WHITE LINE, EPOXY PAINT	646.443	3
			35				35	LF	DURABLE 8 INCH WHITE LINE, POLYUREA	646.444	3
									END OPTION CC		
									BEGIN OPTION DD		
			180				180	LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	6
			180				180	LF	DURABLE 24 INCH STOP BAR, EPOXY PAINT	646.483	6
			180				180	LF	DURABLE 24 INCH STOP BAR, POLYUREA	646.484	6
									END OPTION DD		
									BEGIN OPTION EE		
			24				24	EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-
			24				24	EACH	DURABLE LETTER OR SYMBOL, EPOXY PAINT	646.493	-
			24				24	EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	-
									END OPTION EE		
			402600				402600	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	3968

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258qs02.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 14 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES						TOTALS		DESCRIPTIONS		
			ROADWAY	TRAINING	BRIDGE ITEMS	FULL C.E. ITEMS	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
			365000				365000	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	3844
			130				130	LF	TEMPORARY 8 INCH WHITE LINE, PAINT	646.642	2
			700				700	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	4
			100				100	EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	4
			5100				5100	EACH	LINE STRIPING TARGETS	646.76	28
			26100				26100	SY	GEOTEXTILE UNDER STONE FILL	649.31	332
			14400				14400	SY	GEOTEXTILE FOR SILT FENCE	649.51	134
			790				790	LB	SEED	651.15	5
			3340				3340	LB	FERTILIZER	651.18	EST.
			9				9	TON	AGRICULTURAL LIMESTONE	651.20	EST.
			7				7	TON	HAY MULCH	651.25	EST.
			170				170	CY	TOPSOIL	651.35	EST.
			11800				11800	SY	GRUBBING MATERIAL	651.40	129
			19700				19700	SY	TEMPORARY EROSION MATTING	653.20	218
			12300				12300	LF	BARRIER FENCE	653.50	127
			12300				12300	LF	PROJECT DEMARCATION FENCE	653.55	127
			12300				12300	LF	EROSION LOG	653.60	127
			720				720	SF	TRAFFIC SIGNS, TYPE A	675.20	4
			740				740	LB	TUBULAR STEEL SIGN POST	675.33	7
			2400				2400	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	27
			7				7	EACH	FOUNDATION FOR TUBULAR STEEL POST	675.43	-
			200				200	EACH	REMOVING SIGNS	675.50	9
			45				45	EACH	DELINEATOR WITH STEEL POST	676.10	-
			33				33	EACH	REMOVAL OF EXISTING DELINEATOR	676.12	-
			1				1	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-
			2				2	EACH	SPECIAL PROVISION (SOIL BEARING SLIP BASE) (2 1/2")	900.620	-
			183200				183200	SY	SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT)	900.675	1849
			1860				1860	SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	15
			183200				183200	SY	SPECIAL PROVISION (RECLAIMED STABILIZED BASE, PORTLAND CEMENT)	900.675	1849
			57000				57000	TON	SPECIAL PROVISION (MATERIAL TRANSFER DEVICE)	900.680	349
			2770				2770	TON	SPECIAL PROVISION (PORTLAND CEMENT FOR BASE STABILIZATION)	900.680	36
			690				690	TON	SPECIAL PROVISION (PORTLAND CEMENT FOR COLD MIXED RECYCLING)	900.680	7
			2400				2400	CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)	900.683	24
			2280				2280	CWT	SPECIAL PROVISION (FOG SEAL SURFACE TREATMENT)	900.683	22

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS
		GEOTEXTILE UNDER STONE FILL
12469	SY	DITCH CLEANING
13299	SY	SLOPE EROSION PREVENTION
332	SY	ROUNDING
26100	SY	TOTAL
		SEED
2	LB	VT RTE 109 RECONFIGURATION
115	LB	DITCH CLEANING
475	LB	TURF ESTABLISHMENT
193	LB	SLOPE EROSION PREVENTION
5	LB	ROUNDING
790	LB	TOTAL
		TEMPORARY EROSION MATTING
142	SY	VT RTE 109 RECONFIGURATION
6544	SY	DITCH CLEANING
1125	SY	GUARDRAIL END SECTIONS
11671	SY	SLOPE EROSION PREVENTION
218	SY	ROUNDING
19700	SY	TOTAL
		SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT)
178423	SY	MAINLINE
2928	SY	SIDE ROADS
1849	SY	ROUNDING
183200	SY	TOTAL

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258qs03.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 15 OF 387

ITEM DETAIL SUMMARY SHEET 1

LOCATION			GUARDRAIL						MISCELLANEOUS													REMARKS
BEGIN STA.	END STA.	POS.	621.20 S.B. G.R., GALV. LF	621.205 S.B. G.R. GALV.W/ 8' POST LF	621.215 HD. S.B. G.R., GALV. W/8' POST LF	621.217 HD. S.B. G.R., GALV./NESTED W/8' POST LF	621.60 ANCHOR FOR S.B. RAIL EA	621.80 REMOVAL & DISPOSAL OF GUARDRAIL LF	203.15 COMMON EXCAVATION CY	203.30 EARTH BORROW CY	402.13 AGGREGATE SHOULDERS ,RAP TON	601.2610 15" CPEP(SL) LF	604.412 REHAB DI, CB, OR MH, CLASS I EACH	613.10 STONE FILL, TYPE I CY	617.10 RELOCATE MAILBOX, SINGLE SUPP. EACH	617.12 RELOCATE MAILBOX, MULT. SUPP. EACH	619.17 YIELDING MARKER POSTS EA	649.31 GEOTEXTILE UNDER STONE FILL SY	653.20 TEMPORARY EROSION MATTING SY	676.10 DELINEATOR WITH STEEL POST EACH	676.12 REMOVAL OF EXIST. DELINEATOR EACH	
VT ROUTE 108																						
CAMBRIDGE BAKERSFIELD																						
494+36.64	183+79.68	LT&RT									1975		3	4628	56	1	191	13299	11671			QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER. FOR STRUCTURE LOCATIONS SEE SHEET 24, FOR UNDERDRAIN LOCATIONS, SEE SHEETS 18 & 19
CAMBRIDGE																						
500+35	502+35	RT							15										142			REMOVE EXISTING PAVEMENT AT THE VT ROUTE 109 INTERSECTION; INSTALL TOPSOIL, SEED, FERTILIZER, AGRICULTURAL LIMESTONE AND TEMPORARY EROSION MATTING; SEE SHEET 28 FOR THE LIMITS OF WORK
566+10	568+48	LT		241.5			2	238		50									50	2	2	INSTALL ANCHOR @ STA. 566+10.0, LT. AND STA. 568+47.5, LT
569+14	571+74	LT						260													2	REMOVE EXISTING GUARDRAIL
FLETCHER																						
4+55.6	5+68.1	RT		79		37.5	2	98.5		50									50	2	2	INSTALL ANCHOR @ STA. 4+55.6. AND STA. 5+68.1; SEE CULVERT SPAN DETAIL ON SHEET 21
4+61.9	5+86.9	LT		91.5		37.5	2	100.5		50									50	2	2	INSTALL ANCHOR @ STA. 4+61.9 AND STA. 5+86.9; SEE CULVERT SPAN DETAIL ON SHEET 21
10+69.1	12+19.1	LT		79	65		2	79		50									50	2	2	INSTALL ANCHOR @ STA. 10+69.1 AND STA. 12+19.1; SEE SHEETS 22 & 23 FOR BRIDGE RAIL ITEMS
10+75.6	12+25.6	RT		79	65		2	76		50									50	2	2	INSTALL ANCHOR @ STA. 10+75.6 AND STA. 12+25.6; SEE SHEETS 22 & 23 FOR BRIDGE RAIL ITEMS
18+16.4	37+03.9	LT		1854		37.5	2	1789		50									50	2	2	INSTALL ANCHOR @ STA. 18+16.4 AND STA. 37+03.9; SEE CULVERT SPAN DETAIL ON SHEET 21
20+85.1	26+35.1	RT		516.5		37.5	2	540.5		50									50	2	2	INSTALL ANCHOR @ STA. 20+85.1 AND STA. 26+35.1; SEE CULVERT SPAN DETAIL ON SHEET 21
30+68	31+93	RT		104		25	2	101.5		50									50	2	2	INSTALL ANCHOR @ STA. 30+68 AND STA. 31+93; SEE CULVERT SPAN DETAIL ON SHEET 21
37+75.5	39+13	LT	141.5				2	132		50									50	2	1	INSTALL ANCHOR @ STA. 37+75.5 AND STA. 39+13
39+28	41+28	LT		204			2	200		50									50	2	1	INSTALL ANCHOR @ STA. 39+28 AND STA. 41+28
56+07.5	67+57.5	LT		1154			2	950		50									50	2	1	INSTALL ANCHOR @ STA. 56+07.5 AND STA. 67+57.5
68+83	73+28	RT						450														REMOVE EXISTING GUARDRAIL
120+82	121+45	LT		65			1	59		25									25	1	1	INSTALL ANCHOR @ STA. 121+45; THE BEGINNING PORTION OF THIS GUARDRAIL RUN WILL BE INSTALLED UNDER STP 027-1(22)
BAKERSFIELD																						
7+88	17+38.5	LT		954			2	950		50									50	2	1	INSTALL ANCHOR @ STA. 7+88.5 AND STA. 17+38.5
8+16.5	11+17	RT		304			2	300		50									50	2	1	INSTALL ANCHOR @ STA. 8+16.5 AND STA. 11+16.5
14+99.5	16+63	RT		166.5			2	162		50									50	2	1	INSTALL ANCHOR @ STA. 14+99.5 AND STA. 16+62
51+21	62+83.5	LT	514.5	652			2	1162.5		50									50	2		INSTALL ANCHOR @ STA. 51+21 AND STA. 62+83.5 INSTALL STEEL BEAM GUARDRAIL W/8 FEET POSTS FROM STA. 51+21 TO STA. 57+71
51+67.5	53+31	RT		166.5			2	163		50		20							50	2	1	INSTALL ANCHOR @ STA. 51+67.5 AND STA. 53+30; INSTALL 20' x 15" CPEP(SL) @ STA. 51+67.5 - SEE DETAIL ON SHEET 21
63+12.5	68+50	LT		541.5			2	525		50									50	2	1	INSTALL ANCHOR @ STA. 63+12.5 AND STA. 68+50
69+24	74+61.5	LT		516.5		25	2	525		50									50	2	1	INSTALL ANCHOR @ STA. 69+24 AND STA. 74+61.5; SEE CULVERT SPAN DETAIL ON SHEET 21
79+41	83+67.5	LT		429			2	425		50									50	2		INSTALL ANCHOR @ STA. 79+42.5 AND STA. 83+67.5
80+56	83+33	RT						277														REMOVE EXISTING GUARDRAIL
115+64	121+39	LT		579			2	190		50									50	2	2	INSTALL ANCHOR @ STA. 115+64 AND STA. 121+39
156+90	162+16	LT		529			2	525		50									50	2	2	INSTALL ANCHOR @ STA. 156+91 AND STA. 162+16
158+18	162+06	RT		391.5			2	387.5		50									50	2	1	INSTALL ANCHOR @ STA. 158+18 AND STA. 162+05.5
SHEET SUBTOTALS:			656	9697	130	200	45	10666	15	1125	1975	20	3	4628	56	1	191	13299	12938	45	33	

ITEM DETAIL SUMMARY SHEET #1

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258idss01.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 16 OF 387

ITEM DETAIL SUMMARY SHEET 2

LOCATION			GUARDRAIL						MISCELLANEOUS													REMARKS
BEGIN MILE STA.	END MILE STA.	POS.	621.20 S.B. G.R., GALV. LF	621.205 S.B. G.R. GALV.W/ 8' POST LF	621.215 HD. S.B. G.R., GALV. W/8' POST LF	621.217 HD. S.B. G.R., GALV./NESTED W/8' POST LF	621.60 ANCHOR FOR S.B. RAIL EA	621.80 REMOVAL & DISPOSAL OF GUARDRAIL LF	203.15 COMMON EXCAVATION CY	203.30 EARTH BORROW CY	402.13 AGGREGATE SHOULDERS ,RAP TON	601.2610 15" CPEP(SL) LF	604.412 REHAB DI, CB, OR MH, CLASS I EACH	613.10 STONE FILL, TYPE I CY	617.10 RELOCATE MAILBOX, SINGLE SUPP. EACH	617.12 RELOCATE MAILBOX, MULT. SUPP. EACH	619.17 YIELDING MARKER POSTS EA	649.31 GEOTEXTILE UNDER STONE FILL SY	653.20 TEMPORARY EROSION MATTING SY	676.10 DELINEATOR WITH STEEL POST EACH	676.12 REMOVAL OF EXIST. DELINEATOR EACH	
VT ROUTE 108																						
BAKERSFIELD (CONT.)																						
172+38	172+54	RT							1													REMOVE EXISTING CONCRETE
FROM UNDERDRAIN DETAIL SHEET																	45					QUANTITIES FOR USE IN UNDERDRAIN, SEE SHEETS 18 & 19
FROM DITCH CLEANING SHEET														2771				12469	6544			QUANTITIES FOR USE IN DITCH CLEANING, SEE SHEET 26
SHEET 16 SUBTOTALS:			656	9697	130	200	45	10666	15	1125	1975	20	3	4628	56	1	191	13299	12938	45	33	
SHEET 17 SUBTOTALS:									1					2771			45	12469	6544			
ROUNDING:			19	103	20	-	-	34	4	5	25	-	-	101	-	-	4	332	218	-	-	
TOTALS:			675	9800	150	200	45	10700	20	1130	2000	20	3	7500	56	1	240	26100	19700	45	33	

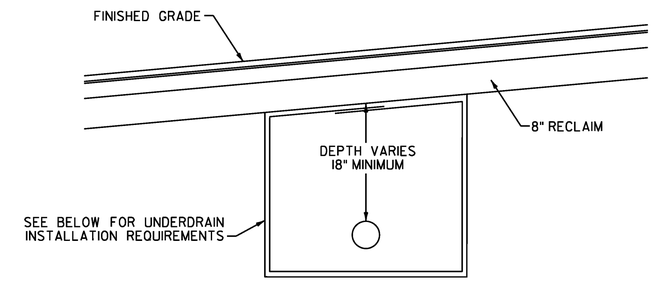
ITEM DETAIL SUMMARY SHEET #2

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

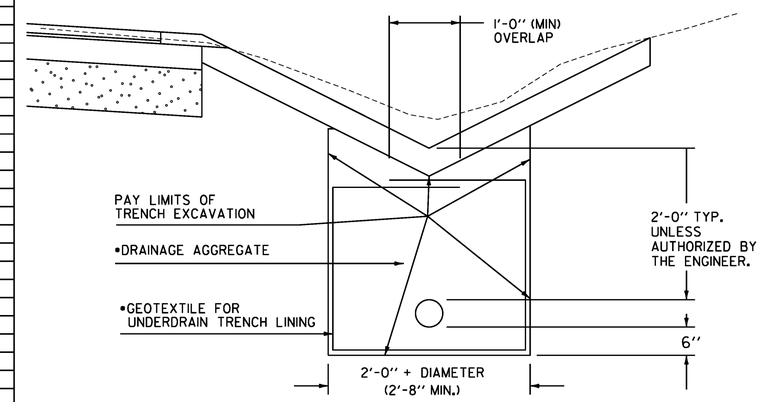
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258idss02.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 17 OF 387

LOCATION					UNDERDRAIN				MISC. ITEMS		REMARKS
					204.20	204.21	605.10	619.17	*	*	
PIPE NO.	OUTLET INVERT	BEGIN STA.	END STA.	POS.	TRENCH EXCAVATION OF EARTH	TRENCH EXCAVATION OF ROCK	6 INCH UNDERDRAIN PIPE	YIELDING MARKER POSTS	DRAINAGE AGGREGATE	GEOTEXTILE FABRIC	
					CY	CY	LF	EA	CY	SY	
	VT ROUTE 108										
	CAMBRIDGE										
UD-1	461.8	503+50	506+00	LT	54	14	250	1	67	329	
UD-2	468.0	507+50	511+50	RT-LT	93	24	417	1	113	553	
UD-3	482.1	515+00	518+50	LT	78	20	350	1	96	467	
UD-4	514.1	522+00	526+53	LT	103	27	453	1	126	609	
UD-5	532.7	529+50	531+25	RT	36	10	175	1	45	226	
UD-6	524.8	540+73	544+00	LT	73	19	327	1	90	435	
UD-7	525.6	544+50	546+97	LT	54	14	247	1	66	325	
UD-8	511.9	554+08	556+50	LT-RT	55	14	259	1	67	335	
UD-9	515.4	557+00	558+50	RT	30	8	150	1	38	191	
UD-10	506.3	559+50	561+50	RT	42	11	200	1	52	260	
UD-11	502.8	563+00	566+00	RT	66	17	300	1	82	398	
UD-12	502.3	572+25	576+50	LT-RT	99	26	442	1	120	587	
UD-13	469.1	607+55	611+45	LT-RT	91	24	408	1	110	541	
UD-14	464.5	611+55	615+50	RT	89	23	395	1	109	529	
UD-15	458.0	618+00	620+50	RT	54	14	250	1	67	329	
UD-16	450.5	631+00	634+00	RT	66	17	300	1	82	398	
UD-17	450.0	634+10	636+50	RT	52	14	240	1	64	315	
UD-18	455.0	637+00	639+50	RT	54	14	250	1	67	329	
UD-19	457.5	640+15	641+75	RT	33	9	160	1	41	205	
UD-20	453.1	641+80	645+00	RT	71	19	320	1	87	425	
UD-21	452.1	646+15	648+50	RT	51	14	235	1	63	308	
UD-22	463.3	654+00	656+50	RT	54	14	250	1	67	329	
UD-23	455.0	657+00	659+00	LT	42	11	200	1	52	260	
UD-24	450.5	663+62	665+50	RT	40	11	188	1	49	244	
UD-25	444.8	679+00	682+00	RT	66	17	300	1	82	398	
UD-26	441.5	682+86	687+00	RT	94	24	414	1	115	555	
		FLETCHER									
UD-27	N/A	75+79	78+50.67	RT	66	17	272	N/A	80	375	THE REMAINING UNDERDRAIN IN THIS RUN WILL BE INSTALLED UNDER FLETCHER STP 027-1(22)
UD-28	456.3	116+50	118+86.00	RT	51	14	236	1	63	310	THE REMAINING UNDERDRAIN IN THIS RUN WILL BE INSTALLED UNDER FLETCHER STP 027-1(22)
		BAKERSFIELD									
UD-29	479.1	11+50	15+00	LT-RT	80	20	369	1	98	485	
UD-30	539.8	29+00	32+00	RT	66	17	300	1	80	396	
UD-31	551.5	43+17	47+00	RT	86	22	383	1	104	511	
UD-32	553.2	56+50	60+50	RT	90	23	400	1	109	534	
UD-33	569.7	66+50	68+50	RT	42	11	200	1	51	259	
UD-34	578.9	69+25	71+50	RT	48	13	225	1	58	293	
UD-35	588.2	73+50	79+00	RT	126	32	550	1	153	741	
SHEET 18 SUBTOTALS					2295	598	10415	34	2813	13784	



UNDERDRAIN CROSSING ROAD DETAIL
NOT TO SCALE



DRAINAGE AGGREGATE SHALL MEET THE REQUIREMENTS OF SUBSECTION 704.16

* ITEMS ARE INCLUDED IN THE UNIT PRICE BID FOR PAY ITEM 605.10 6 INCH UNDERDRAIN PIPE

UNDERDRAIN DETAIL
NOT TO SCALE

NOTES:

1. GEOTEXTILE FOR UNDERDRAIN TRENCH LINING SHALL NOT BE PLACED AROUND UNDERDRAIN WHEN COVER ABOVE UNDERDRAIN IS LESS THAN 1 FOOT.
2. THE END OF THE UNDERDRAIN PIPE AT THE BEGINNING OF ALL UNDERDRAIN RUNS SHALL BE WRAPPED IN GEOTEXTILE FABRIC. PAYMENT FOR THIS WORK IS INCLUDED IN THE UNIT PRICE BID FOR ITEM 605.10 6 INCH UNDERDRAIN PIPE.

NOT TO SCALE

Stantec

UNDERDRAIN DETAIL SHEET #1

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258unds01.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 18 OF 387

LOCATION					UNDERDRAIN				MISC. ITEMS		REMARKS
					204.20	204.21	605.10	619.17	*	*	
PIPE NO.	OUTLET INVERT	BEGIN STA.	END STA.	POS.	TRENCH EXCAVATION OF EARTH	TRENCH EXCAVATION OF ROCK	6 INCH UNDERDRAIN PIPE	YIELDING MARKER POSTS	DRAINAGE AGGREGATE	GEOTEXTILE FABRIC	
					CY	CY	LF	EA	CY	SY	
	VT ROUTE 108										
	BAKERSFIELD (CONT.)										
UD-36	626.1	84+00	87+00	LT	66	17	300	1	80	396	
UD-37	627.1	84+00	87+00	RT	66	17	300	1	80	396	
UD-38	666.5	93+65	96+50	LT	62	16	285	1	76	376	
UD-39	651.2	99+50	100+45	RT	17	5	95	1	20	114	
UD-40	647.0	100+55	102+67	RT	45	12	212	1	54	275	
UD-41	647.8	103+00	113+00	RT	234	59	1000	1	285	1361	
UD-42	695.2	114+00	116+00	RT	42	11	200	1	51	259	
UD-43	686.5	118+46	120+48	LT-RT	44	11	222	1	54	282	
UD-44	686.3	121+00	122+32	RT	26	7	132	1	31	165	
UD-45	627.9	125+50	132+50	RT	162	41	700	1	197	948	
UD-46	682.9	169+00	174+00	LT	114	29	500	1	139	672	
SHEET 19 SUBTOTALS					878	225	3946	11	1067	5244	
SHEET 18 SUBTOTALS					2295	598	10415	34	2813	13784	
ROUNDING					27	17	239	-	20	172	
TOTALS					3200	840	14600	45**	3900*	19200*	

INSTALLED AS PER PLAN

*SEE UNDERDRAIN DETAIL ON PREVIOUS SHEET
**TOTAL CARRIED FORWARD TO ITEM DETAIL SUMMARY SHEET

NOT TO SCALE

Stantec

UNDERDRAIN DETAIL SHEET #2

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258unds02.i

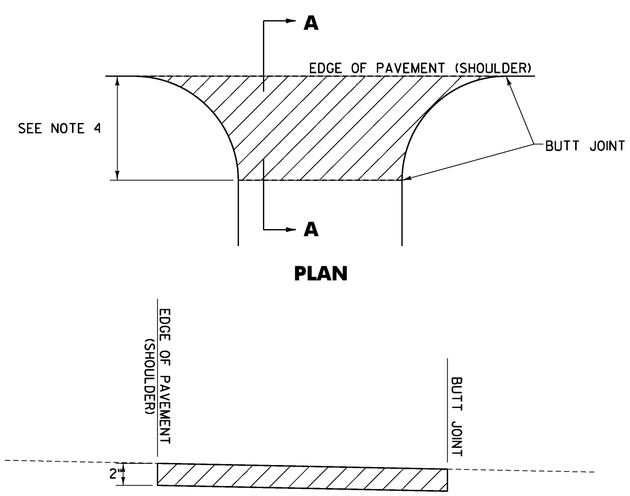
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 19 OF 387

STATION	POSITION	QUANTITY (SY)
VT ROUTE 108		
CAMBRIDGE		
495+45	RT	28
500+39	LT	12
506+51	LT	23
507+62	LT	15
509+90	RT	15
523+84	RT	27
526+85	LT	22
528+16	LT	19
529+40	LT	24
530+59	LT	25
531+22	LT	15
540+04	LT	13
547+55	RT	28
548+02	LT	15
556+74	RT	13
557+22	LT	11
562+52	LT	12
565+73	LT	17
568+74	RT	7
571+95	LT	15
576+72	RT	10
576+75	LT	16
578+73	LT	14
578+84	RT	21
589+82	LT	9
592+08	RT	12
599+97	LT	11
606+24	LT	7
623+53	LT	10
624+91	RT	11
625+43	RT	6
641+59	LT	10
648+25	LT	8
656+58	LT	10
667+92	LT	33
671+20	RT	13
673+99	RT	10
674+97	RT	14
678+86	RT	5
682+40	RT	41
690+85	RT	10
SUBTOTAL		637

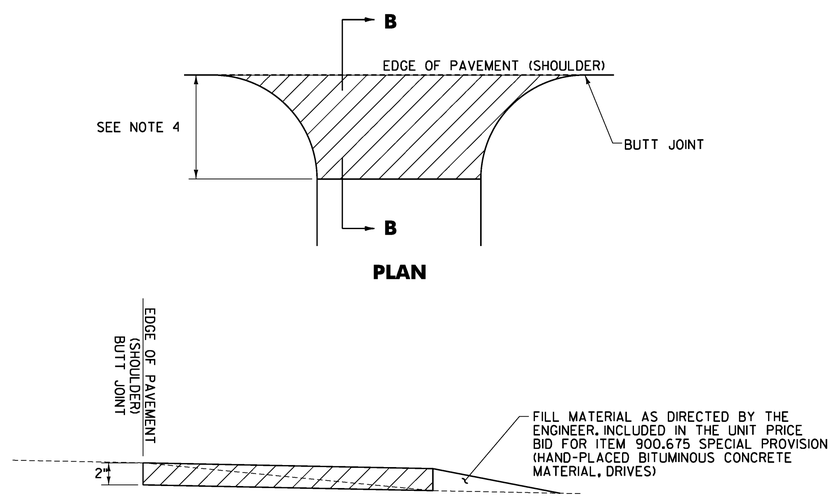
STATION	POSITION	QUANTITY (SY)
VT ROUTE 108		
FLETCHER		
1+55	RT	9
8+25	RT	20
17+96	LT	9
18+68	RT	14
39+20	LT	4
39+48	RT	10
41+50	LT	9
43+47	RT	16
49+33	RT	19
74+29	RT	4
89+97	RT	17
107+11	RT	11
110+01	LT	19
121+45	RT	14
SUBTOTAL		175

STATION	POSITION	QUANTITY (SY)
VT ROUTE 108		
BAKERSFIELD		
4+65	RT	37
4+74	LT	16
21+99	RT	14
22+84	LT	13
24+17	LT	11
26+59	RT	17
28+93	LT	10
47+76	LT	13
48+62	LT	9
54+80	RT	14
68+90	RT	15
68+95	LT	10
75+13	LT	23
76+39	LT	20
77+63	LT	11
78+65	LT	5
83+82	LT	21
92+74	RT	12
93+55	RT	7
99+33	RT	15
113+55	RT	26
118+21	RT	12
120+71	RT	8
121+77	LT	18
122+48	RT	8
125+11	RT	14
131+47	LT	15
133+01	RT	18
136+76	RT	9
144+11	LT	116
147+05	RT	47
152+63	RT	15
154+70	RT	44
156+37	LT	45
157+49	RT	15
162+37	LT	19
163+28	RT	80
165+70	RT	39
168+80	RT	9
170+65	RT	9
SUBTOTAL		859

STATION	POSITION	QUANTITY (SY)
VT ROUTE 108		
BAKERSFIELD (CONT.)		
170+88	RT	9
172+20	RT	14
173+87	RT	28
174+79	LT	17
175+22	RT	19
177+35	RT	14
178+12	LT	13
178+50	LT	23
178+87	RT	12
182+43	RT	20
183+13	LT	5
SUBTOTAL		174
COLUMN 1		637
COLUMN 2		175
COLUMN 3		859
COLUMN 4		174
SUBTOTAL		1845
ROUNDING		15
TOTAL		1860



SECTION A–A
HANDWORK DETAILS FOR PAVED DRIVES



SECTION B–B
HANDWORK DETAILS FOR GRAVEL DRIVES

NOTES:

1. PAVING LIFT SHALL BE A MINIMUM OF 1 1/2 " AND A MAXIMUM OF 2".
2. THE COST OF PROVIDING AND PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, APPLYING EMULSION, AND FILLING JOINTS, CRACKS AND HOLES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
3. EXCAVATION NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
4. FIELD DRIVES 2'-0"; RESIDENTIAL AND COMMERCIAL DRIVES 4'-0"; OR AS DIRECTED BY THE ENGINEER.

LEGEND

ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)

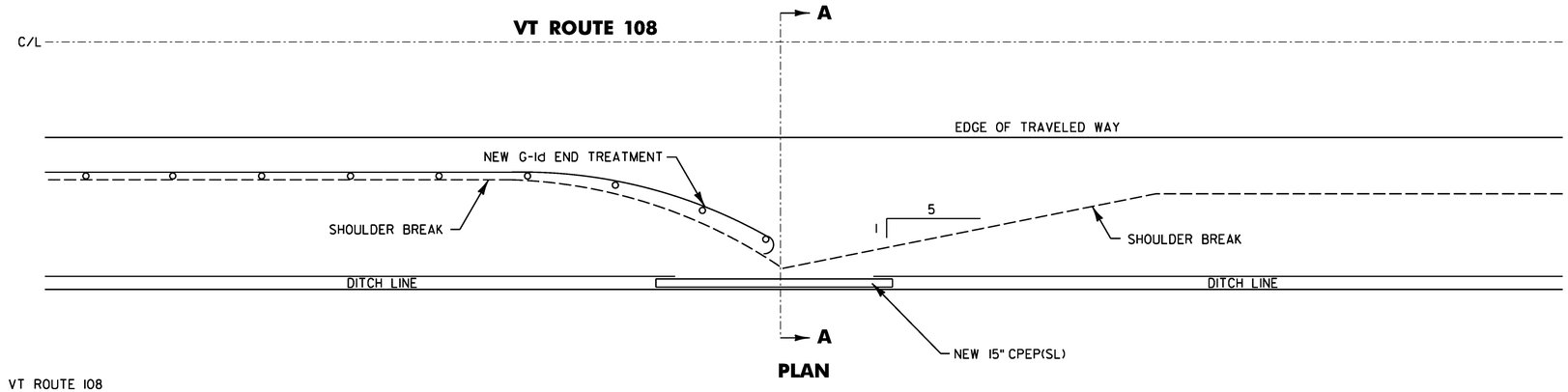
NOT TO SCALE

DRIVE DETAIL SHEET

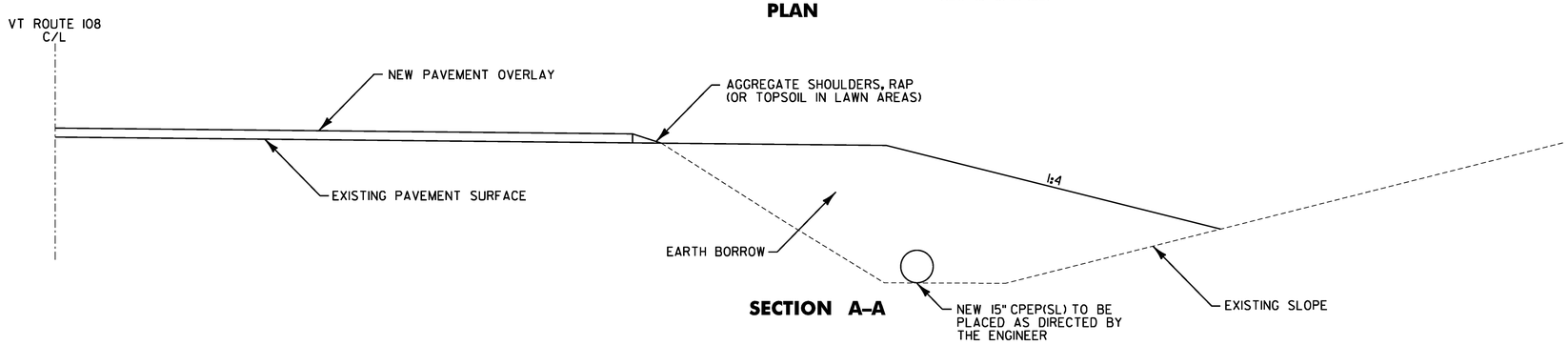
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258ds.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 20 OF 387



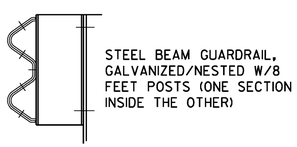
PLAN



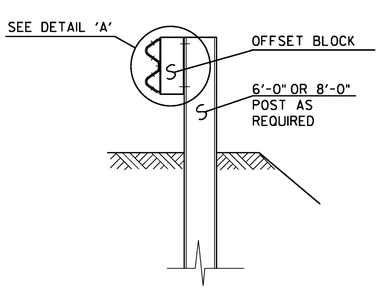
SECTION A–A

DETAIL FOR PIPE PLACEMENT END TREATMENT LOCATION

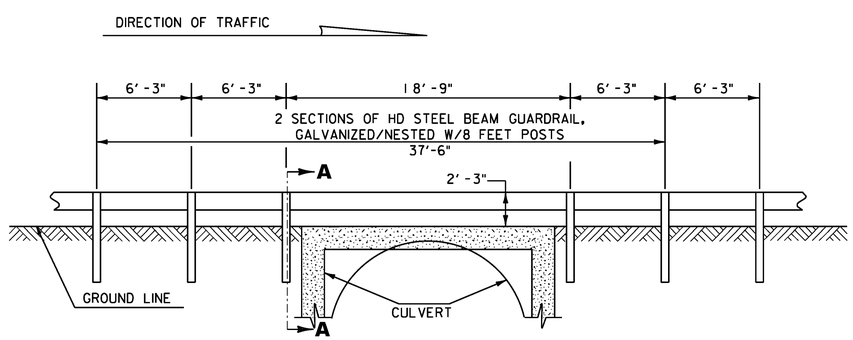
BAKERSFIELD STA. 51+67.5, RT.



DETAIL A

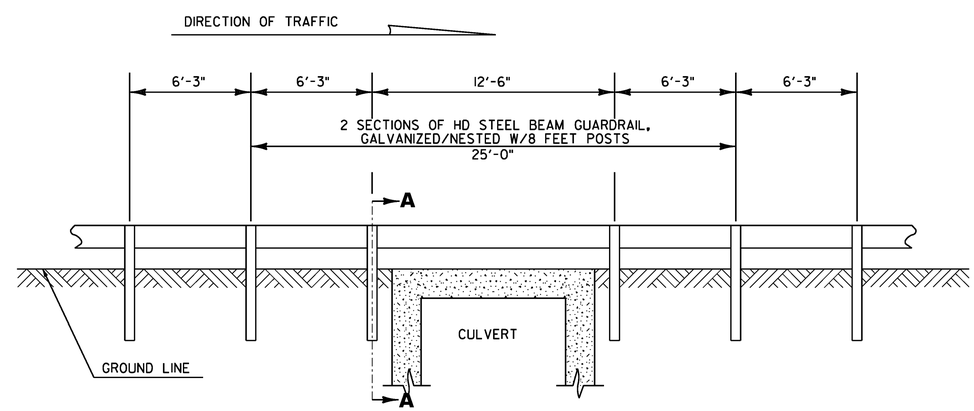


SECTION A–A



DETAIL OF STEEL BEAM GUARDRAIL AT LARGE CULVERTS

VT ROUTE 108 FLETCHER STA. 5+15, LT&RT (BRIDGE #24)
VT ROUTE 108 FLETCHER STA. 22+57, LT&RT (BRIDGE #26)



DETAIL OF STEEL BEAM GUARDRAIL AT SMALL CULVERTS

VT ROUTE 108 FLETCHER STA. 31+54, RT (BRIDGE #27)
VT ROUTE 108 BAKERSFIELD STA. 72+74, LT (BRIDGE #34)

NOT TO SCALE

NOTES

1. SEE STANDARDS G-1 & G-1D FOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.217 HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS AT A PAY FACTOR OF 1.0.
3. THESE DETAILS TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEETS OR AS DIRECTED BY THE ENGINEER.

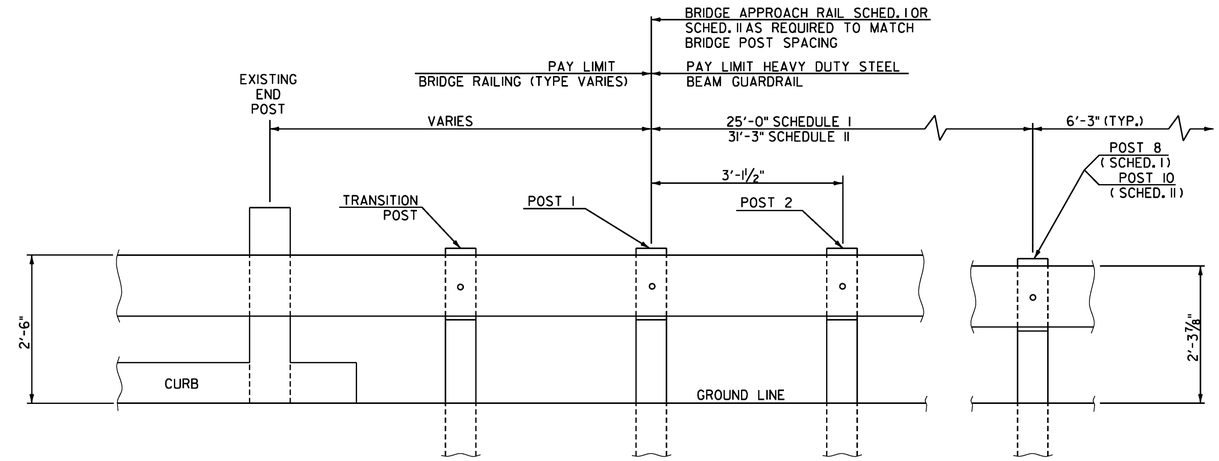
Stantec

GUARDRAIL DETAIL SHEET

PROJECT NAME: CAMBRIDGE-BAKERSFIELD	
PROJECT NUMBER: STP 2926(1)	
FILE NAME: p10b258.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10b258gds.i	SHEET 21 OF 387

BRIDGE QUANTITY SHEET

STATION	POS.	BRIDGE NUMBER	OFFSET BLOCK	525.10 (LF)	525.50 (LF)	REMARKS
LOCATION:						
FLETCHER						
11+31.6 - 11+56.6	LT	25	8"	25.0	25.0	
11+38.1 - 11+63.1	RT	25	8"	25.0	25.0	
SUBTOTALS				50.0	50.0	
ROUNDING				-	-	
TOTAL				50	50	



SCHEDULE I

POST NO.	SPACING	PAYMENT FACTOR
1	3'-1½"	1.4 x 12'-6"
2	3'-1½"	
3	3'-1½"	
4	3'-1½"	
5	4'-2"	1.2 x 12'-6"
6	4'-2"	
7	4'-2"	
8	6'-3" (TYP.)	1.0 (TYP.)
9		
TOTAL PAY LENGTH = 32' - 6"		

SCHEDULE II

POST NO.	SPACING	PAYMENT FACTOR
1	3'-1½"	1.4 x 18'-9"
2	3'-1½"	
3	3'-1½"	
4	3'-1½"	
5	3'-1½"	
6	3'-1½"	
7	4'-2"	1.2 x 12'-6"
8	4'-2"	
9	4'-2"	
10	6'-3" (TYP.)	1.0 (TYP.)
11		
TOTAL PAY LENGTH = 41' - 3"		

SCHEDULE I APPROACH RAILING SHALL BE USED WHEN A RAIL PANEL SPLICE OCCURS AT POST NO. 1.
SCHEDULE II APPROACH RAILING SHALL BE USED WHEN A RAIL PANEL SPLICE OCCURS AT THE BRIDGE END POST.

BRIDGE APPROACH RAILING

GENERAL NOTES

1. SEE VAOT STANDARDS G-1 AND G-1d FOR ADDITIONAL DETAILS.
2. BRIDGE RAIL SHALL BE HEAVY DUTY STEEL BEAM GUARDRAIL, GALVANIZED.
3. BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 25'.
4. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM GUARDRAIL, GALVANIZED FOR 25' FROM THE ENDS OF THE BRIDGE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER.
5. FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICABLE TO THE MIDPOINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST 1.
6. SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
7. SEE STANDARD SHEET G-1 FOR CONNECTION OF STEEL BEAM TO OFFSET BLOCK AND OFFSET BLOCK TO BRIDGE POST.
8. SEE STANDARD SHEET G-1 FOR DELINEATION DETAILS AND PLACEMENT.
9. ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 31'-3" APART. PAYMENT SHALL BE INCIDENTAL TO OTHER ITEMS.
10. ALL HEAVY DUTY STEEL BEAM BRIDGE RAIL, OFFSET BLOCKS AND RELATED HARDWARE SHALL BE PAID FOR UNDER THE APPROPRIATE BRIDGE RAILING ITEMS AS DENOTED IN THE PLANS.
11. ALL STEEL POSTS, PLATES, OFFSET BLOCKS AND FIXTURES SHALL BE PROVIDED IN ACCORDANCE WITH SUBSECTION 732.04, UNLESS OTHERWISE NOTED, AND SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH SUBSECTION 726.08.
12. ALL WELDING SHALL CONFORM TO THE PROVISIONS OF SUBSECTION 506.10.

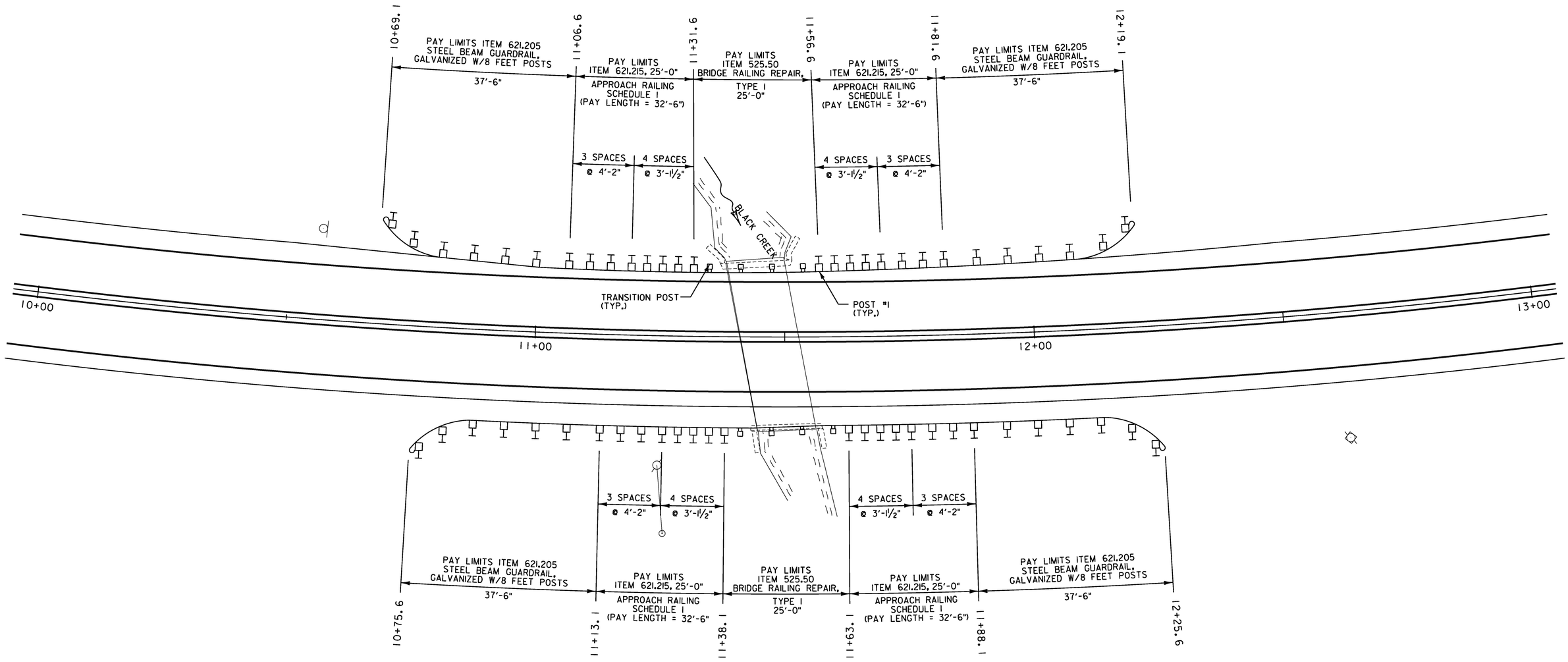
NOT TO SCALE

Stantec

BRIDGE DETAIL SHEET #1

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258bds01.i
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 22 OF 387



BR 25 FLETCHER MM 0.217 = STA. 11+47

NOT TO SCALE

Stantec

BRIDGE DETAIL SHEET #2

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258bds02.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 23 OF 387

REHAB. DI'S, CB'S or MH'S, CLASS I
(ITEM 604.412)

STATION	POSITION	DESCRIPTION
VT ROUTE 108		
CAMBRIDGE		
520+15	RT	DI
BAKERSFIELD		
150+88	RT	*DI (THROAT)
183+54	LT	DI

*FOR THROAT DI REHAB DETAIL, SEE SHEET 25.

EXISTING CULVERT INVENTORY TABLE
(PROVIDED FOR INFORMATIONAL PURPOSES ONLY)

INVERT IN				INVERT OUT					
STATION	POSITION	OFFSET FROM HCL	ELEVATION	STATION	POSITION	OFFSET FROM HCL	ELEVATION	PIPE SIZE	MATERIAL
VT ROUTE 108									
CAMBRIDGE									
503+06.3	RIGHT	30.8	456.95	502+89.4	LEFT	19.7	456.59	48"	CGMP
506+91.5	LEFT	20.4	465.80	506+82.1	RIGHT	26.0	465.25	18"	CGMP
512+54.3	LEFT	22.9	472.09	512+47.8	RIGHT	29.1	471.86	18"	CGMP
519+15.0	LEFT	21.4	497.53	518+97.2	RIGHT	34.8	493.55	18"	CGMP
527+14.6	RIGHT	19.6	527.45	527+20.5	LEFT	30.0	527.33	60"	CGMP
537+38.3	LEFT	22.1	529.00	537+41.3	RIGHT	33.1	528.42	18"	CGMP
551+16.6	RIGHT	25.4	511.66	551+23.6	LEFT	32.5	511.66	24"	CPEP
558+66.4	RIGHT	23.8	512.43	558+70.7	LEFT	24.0	510.0	18"	CPEP(SL)
562+76.7	RIGHT	22.6	501.52	562+76.2	LEFT	22.9	500.45	18"	CGMP
592+29.8	LEFT	24.1	472.73	592+27.9	RIGHT	26.9	471.93	48"	CGMP
601+62.3	RIGHT	25.3	464.08	601+64.5	LEFT	26.1	463.89	48"	CGMP
607+41.2	RIGHT	24.8	469.54	607+53.1	LEFT	26.7	468.48	18"	CGMP
615+52.4	RIGHT	21.9	465.54	615+52.8	LEFT	25.2	464.37	12"	CGMP
620+57.3	RIGHT	22.5	457.66	620+57.5	LEFT	27.3	457.30	18"	CGMP
621+80.0	LEFT	28.6	459.21	622+02.8	RIGHT	17.9	458.83	18"	CGMP
624+74.2	RIGHT	22.0	462.45	624+64.8	LEFT	20.5	462.45	24"	CGMP W/CPEP(SL) EXT.
627+75.6	RIGHT	20.4	451.14	627+76.2	LEFT	27.9	450.37	18"	CPEP
634+03.3	RIGHT	21.8	450.17	634+02.1	LEFT	30.4	449.29	15"	CGMP
636+78.7	RIGHT	21.9	452.88	636+90.6	LEFT	28.9	452.0	15"	CGMP
640+12.6	RIGHT	25.9	458.14	640+10.6	LEFT	26.2	456.2	15"	CGMP
646+12.0	RIGHT	19.2	451.85	646+11.3	LEFT	23.5	449.94	18"	CGMP W/CPEP(SL) EXT.
649+20.2	RIGHT	21.8	457.84	649+59.5	LEFT	31.3	455.72	42"	CPEP(SL)
659+50.2	RIGHT	24.7	451.79	659+51.1	LEFT	26.3	447.71	24"	CGMP W/CPEP(SL) EXT.
662+81.6	RIGHT	19.5	451.04	662+80.9	LEFT	22.4	448.85	18"	CPEP(SL)
666+83.1	RIGHT	23.0	447.31	666+89.1	LEFT	28.7	446.32	24"	CPEP(SL)
672+12.3	RIGHT	20.6	449.28	672+18.7	LEFT	27.2	448.81	15"	CGMP
674+69.8	RIGHT	20.9	443.54	674+73.6	LEFT	23.1	442.60	18"	CGMP W/CPEP(SL) EXT.
677+97.0	RIGHT	18.9	439.87	677+98.9	LEFT	25.7	439.26	24"	CGMP
687+71.4	RIGHT	25.3	437.76	687+68.5	LEFT	29.2	436.06	18"	CGMP
693+55.2	RIGHT	19.3	438.55	693+61.7	LEFT	34.8	437.69	18"	CGMP
FLETCHER									
2+35.1	RIGHT	22.2	437.05	2+38.7	LEFT	28.7	435.85	15"	RCP
25+83.6	RIGHT	24.7	422.90	26+00.0	LEFT	28.6	421.52	30"	RCP
31+39.8	RIGHT	18.8	-	31+71.9	LEFT	27.0	-	-	BOX
38+23.8	LEFT	45.6	424.19	37+85.1	RIGHT	31.0	423.48	24"	RCP
41+01.6	RIGHT	22.3	427.60	40+95.9	LEFT	32.7	425.97	24"	CGMP
52+18.7	RIGHT	28.5	439.14	52+17.5	LEFT	29.8	437.13	24"	HDPE
56+13.5	RIGHT	23.9	431.94	56+21.5	LEFT	45.4	424.58	24"	CGMP
60+53.5	RIGHT	23.7	423.99	60+54.9	LEFT	40.4	421.41	18"	CGMP
62+46.8	RIGHT	19.9	425.63	62+45.3	LEFT	30.8	421.45	18"	CGMP

39 X 2 = 78

EXISTING CULVERT INVENTORY TABLE
(PROVIDED FOR INFORMATIONAL PURPOSES ONLY)

INVERT IN				INVERT OUT					
STATION	POSITION	OFFSET FROM HCL	ELEVATION	STATION	POSITION	OFFSET FROM HCL	ELEVATION	PIPE SIZE	MATERIAL
FLETCHER (CONT.)									
64+60.4	RIGHT	22.3	424.77	64+59.6	LEFT	30.8	421.38	24"	CGMP
66+91.9	RIGHT	22.6	426.29	66+92.5	LEFT	38.1	419.22	24"	CGMP
69+24.2	RIGHT	22.3	426.53	69+68.7	LEFT	27.8	423.42	18"	CGMP
72+49.8	RIGHT	39.0	422.95	72+65.4	LEFT	37.5	422.23	18"	CGMP
82+83.4	RIGHT	27.0	421.92	82+90.2	LEFT	32.9	420.34	24"	CGMP
86+39.0	LEFT	37.7	420.96	86+37.9	RIGHT	40.9	419.95	30"	ACCGMP
90+40.1	RIGHT	21.5	423.97	90+40.6	LEFT	22.5	423.87	72"	BR #29 BOX
93+37.1	RIGHT	38.5	421.02	93+46.5	LEFT	47.8	416.53	?	ST. BOX CULV.
95+27.3	RIGHT	33.3	422.01	95+05.1	LEFT	41.9	419.32	18"	CGMP
98+70.6	RIGHT	24.9	428.35	98+16.4	LEFT	38.6	425.56	24"	CGMP
110+02.1	RIGHT	25.2	440.07	110+38.2	LEFT	29.0	437.46	18"	CGMP
111+04.1	RIGHT	28.9	437.67	111+04.4	LEFT	31.7	436.19	24"	HDPE
113+39.0	RIGHT	21.4	443.10	113+39.1	LEFT	27.4	441.44	18"	CGMP
120+45.0	RIGHT	27.6	456.90	120+40.7	LEFT	46.6	451.06	24"	CGMP
BAKERSFIELD									
15+44.5	RIGHT	29.3	485.72	15+24.8	LEFT	28.7	482.91	66"	CGMP
15+82.0	RIGHT	36.0	484.83	15+47.5	LEFT	64.7	468.86	36"	CGMP
19+10.2	LEFT	28.4	484.93	19+24.3	RIGHT	21.4	486.81	18"	CGMP
25+27.0	RIGHT	21.9	532.97	25+34.5	LEFT	32.7	529.10	18"	RCP
28+01.3	RIGHT	27.0	536.29	28+01.2	LEFT	33.1	530.31	24"	RCP
32+24.6	RIGHT	25.3	542.22	32+26.7	LEFT	31.2	537.88	18"	CGMP
39+30.1	RIGHT	21.9	530.53	39+38.4	LEFT	30.6	527.72	24"	CGMP
41+10.9	RIGHT	25.6	537.99	41+01.2	LEFT	26.7	534.86	18"	CGMP
43+15.3	RIGHT	24.5	547.71	43+03.6	LEFT	38.0	545.23	15"	RCP
60+74.6	RIGHT	22.1	562.34	60+74.2	LEFT	27.4	560.36	18"	RCP W/CLASS III EXT.
66+45.5	RIGHT	21.2	568.39	66+44.0	LEFT	39.3	563.94	18"	CGMP
72+74.6	RIGHT	23.0	583.05	72+74.1	LEFT	32.8	581.06	60"	BR #34 RCP
73+22.7	RIGHT	21.3	585.01	73+24.2	LEFT	37.9	580.00	18"	CGMP
81+08.6	RIGHT	32.8	603.95	81+30.0	LEFT	46.1	597.98	30"	CGMP
99+08.7	RIGHT	20.9	653.09	99+10.0	LEFT	25.3	649.55	18"	CGMP
100+48.2	RIGHT	17.3	651.82	100+78.8	LEFT	21.4	647.74	15"	CGMP W/CPEP(SL) EXT.
102+73.8	RIGHT	22.7	645.15	102+69.6	LEFT	23.0	642.88	24"	CGMP
117+66.0	RIGHT	21.4	686.77	117+64.5	LEFT	25.8	682.70	18"	CGMP W/CPEP(SL) EXT.
124+63.7	RIGHT	19.7	676.09	124+64.4	LEFT	25.1	671.88	18"	CPEP(SL)
132+51.4	RIGHT	23.1	627.79	133+09.3	LEFT	29.6	625.78	24"	CGMP
135+04.5	RIGHT	40.6	612.65	134+99.2	LEFT	46.8	609.86	48"	RCP
141+82.0	RIGHT	20.5	654.58	141+81.3	LEFT	26.4	653.86	18"	CGMP
153+90.0	RIGHT	40.7	625.64	154+06.4	LEFT	34.9	621.73	18"	CGMP
159+54.2	RIGHT	44.2	603.17	159+51.8	LEFT	49.6	601.80	48"	BR #36 RCP
166+17.1	RIGHT	24.5	659.30	166+15.4	LEFT	29.3	656.34	15"	RCP
179+94.0	LEFT	22.7	730.16	179+90.6	RIGHT	35.4	727.20	18"	RCP

39 X 2 = 78

MARKER POST 39 PIPES, (39*2) INLET & OUTLET = 78 AS PER PLAN
MARKER POST 17 FOR UNDERDRAIN, FIELD COUNTED

NOT TO SCALE

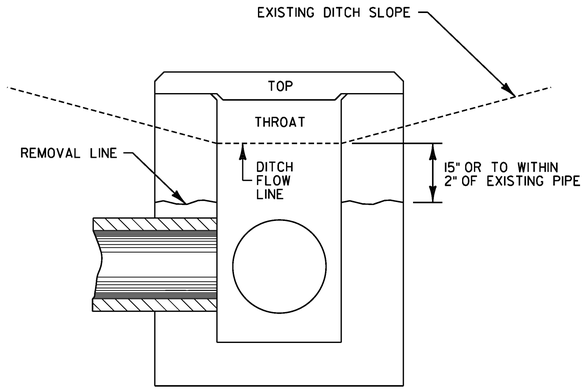
Stantec

CULVERT & STRUCTURE INVENTORY SHEET

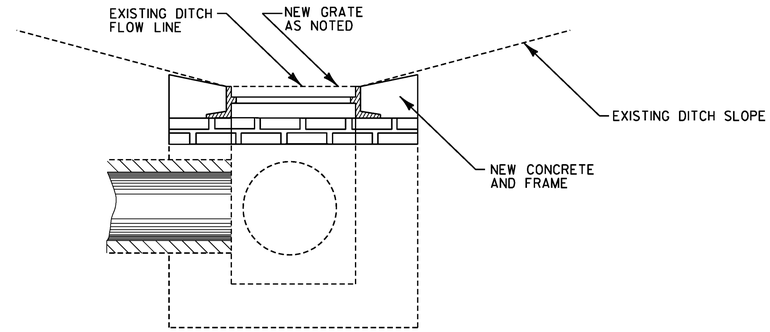
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258csd.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 24 OF 387



THROAT D.I. TOP REMOVAL



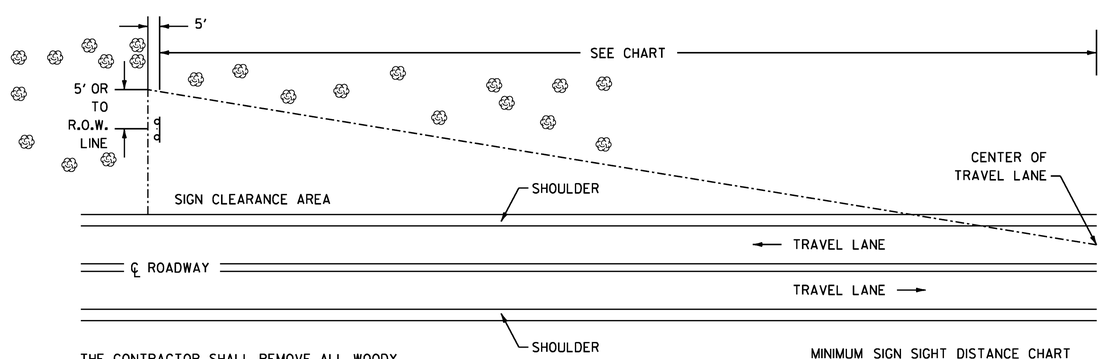
NEW D.I. TOP PLACEMENT

THROAT DI REHAB DETAIL

BAKERSFIELD STA. 150+88, RT

NOTES:

1. REMOVE THROAT DROP INLET TOPS, PEDESTALS AND DROP INLET WALLS TO ACCOMMODATE NEW BRICKS, D.I. COVERS, FRAMES AND GRATES TO MAINTAIN EXISTING DITCH FLOW LINES (SEE VAOT STANDARD D-8 FOR EXISTING D.I. DETAILS).
2. REDUCE BRICK COURSES AS NECESSARY TO MAINTAIN EXISTING DITCH FLOW LINE.
3. SEE VAOT STANDARDS D-6 FOR CONCRETE TOP DETAIL AND D-16 FOR GRATE DETAIL.
4. ALL REMOVAL AND RECONSTRUCTION, INCLUDING ALL MATERIALS, LABOR AND INCIDENTALS SHALL BE PAID FOR UNDER ITEM 604.412.



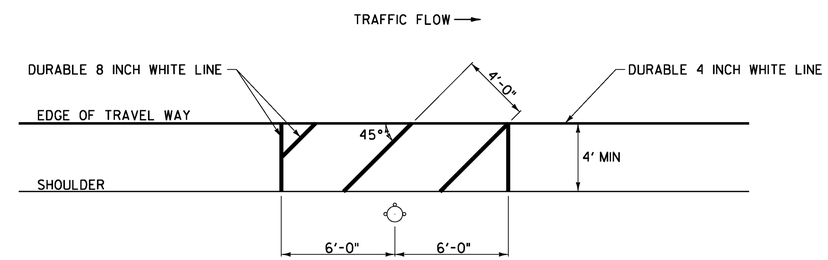
THE CONTRACTOR SHALL REMOVE ALL WOODY STEMMED GROWTH INCLUDING BRUSH, SAPLINGS, TREE LIMBS GROWING WITHIN OR PROJECTING INTO THE CLEARANCE AREA AND DOWN TO GROUND LEVEL OR AT LEAST 10 FEET BELOW THE BOTTOM OF THE SIGN. PAYMENT WILL BE FOR THINNING AND TRIMMING FOR SIGNS, ITEM 201.31, AND PAID FOR PER EACH. NO CHEMICALS (POISONS OR DEFOLIANTS) ALLOWED.

MINIMUM SIGN SIGHT DISTANCE CHART

APPROACH SPEED (mph)	SIGHT DISTANCE (feet)
30 OR LESS	300
35	350
40	400
45	450
50	500
55	550

CLEARING LIMITS FOR SIGNS ON CONVENTIONAL ROADS

SIGN LOCATIONS:
CAMBRIDGE STA. 496+32, RT
CAMBRIDGE STA. 617+00, RT
BAKERSFIELD STA. 168+96, RT



FIRE HYDRANT PAVEMENT MARKING DETAIL

BAKERSFIELD STA. 170+27, RT
BAKERSFIELD STA. 178+02, RT

NOT TO SCALE

NOTE: DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14

Stantec

MISCELLANEOUS DETAIL SHEET

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258md01.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 25 OF 387

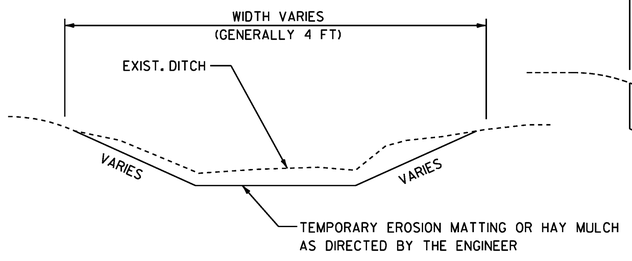
LOCATION				FEET OF DITCHING		MISCELLANEOUS ITEMS			
						613.10	649.31	651.15	653.20
SITE	STATION	STATION	POS.	PERCENT GRADE 0-2.5	PERCENT GRADE ≥2.5	STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.
VT ROUTE 108						CY	SY	LB	SY
CAMBRIDGE									
1	499+50	500+20	LT	70				1	31
2	500+55	502+00	LT	145				1	64
3	503+50	506+40	LT	290				2	129
4	506+73	507+49	LT	76				1	34
5	507+76	511+50	LT	374				3	166
6	512+50	514+44	LT	194				1	86
7	514+44	516+94	LT		250	37	167		
8	516+94	519+75	LT	281				2	125
9	519+75	525+52	LT		577	85	385		
10	525+52	526+68	LT	116				1	52
11	529+50	531+00	RT		150	22	100		
12	531+00	531+50	RT	50				1	22
13	533+50	539+96	LT	646				5	287
14	540+21	541+14	LT	93				1	41
15	541+14	547+91	LT		677	100	451		
16	548+12	549+75	LT		163	24	109		
17	554+50	556+56	RT		206	31	137		
18	556+91	558+50	RT		159	24	106		
19	559+00	559+93	RT	93				1	41
20	559+93	566+00	RT		607	90	405		
21	571+00	574+35	RT	335				2	149
22	574+35	576+50	RT		215	32	143		
23	593+50	594+00	RT	50				1	22
24	598+50	599+87	LT	137				1	61
25	603+50	604+55	RT		105	16	70		
26	604+55	612+02	RT	747				5	332
SUBTOTALS				3697	3109	461	2073	29	1642

LOCATION				FEET OF DITCHING		MISCELLANEOUS ITEMS			
						613.10	649.31	651.15	653.20
SITE	STATION	STATION	POS.	PERCENT GRADE 0-2.5	PERCENT GRADE ≥2.5	STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.
VT ROUTE 108						CY	SY	LB	SY
CAMBRIDGE (CONT.)									
27	612+02	618+60	RT		658	97	439		
28	618+60	620+72	RT	212				2	94
29	622+00	624+73	RT	273				2	121
30	625+52	627+13	RT		161	24	107		
31	627+13	642+06	RT	1493				11	664
32	642+06	659+20	RT		1714	254	1143		
33	659+20	668+00	RT	880				6	391
34	642+00	642+50	LT		50	7	33		
35	652+00	654+00	LT		200	30	133		
36	657+00	659+00	LT		200	30	133		
37	672+00	673+75	RT		175	26	117		
38	674+08	674+87	RT	79				1	35
39	675+10	678+82	RT	372				3	165
40	678+89	682+00	RT		311	46	207		
41	682+88	684+21	RT	133				1	59
42	684+21	687+00	RT		279	41	186		
43	688+00	690+50	RT		250	37	167		
44	691+50	693+82	RT	232				2	103
FLETCHER									
45	0+00	1+41	RT	141				1	63
46	39+62	41+00	RT	138				1	61
47	43+50	46+45	LT		295	44	197		
48	46+45	49+00	LT	255				2	113
49	43+59	46+45	RT		286	42	191		
50	46+45	49+07	RT	262				2	116
51	49+63	52+98	RT	335				2	149
52	52+98	59+42	RT		644	95	429		
SUBTOTALS				4805	5223	773	3482	36	2134

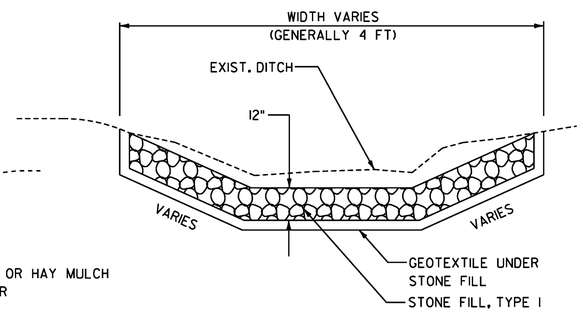
LOCATION				FEET OF DITCHING		MISCELLANEOUS ITEMS			
						613.10	649.31	651.15	653.20
SITE	STATION	STATION	POS.	PERCENT GRADE 0-2.5	PERCENT GRADE ≥2.5	STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.
VT ROUTE 108						CY	SY	LB	SY
FLETCHER (CONT.)									
53	59+42	69+00	RT	958				7	426
54	75+00	77+95	RT		295	44	197		
55	77+95	78+51	RT	56				1	25
56	95+00	99+00	RT	400				3	178
57	107+50	116+29	RT		879	130	586		
58	116+29	118+86	RT	257				2	114
59	120+82	121+24	RT	42				1	19
60	121+64	123+00	RT		136	20	91		
BAKERSFIELD									
61	0+00	4+32	RT		432	64	288		
62	4+95	8+00	LT		305	45	203		
63	6+00	8+50	RT		250	37	167		
64	11+00	21+70	RT		1070	159	713		
65	22+17	24+36	RT		219	32	146		
66	24+36	26+30	RT	194				1	86
67	26+80	32+04	RT	524				4	233
68	32+86	38+99	RT	613				5	272
69	38+99	47+33	RT		834	124	556		
70	50+00	51+50	LT		150	22	100		
71	50+00	50+48	RT		48	7	32		
72	50+90	52+50	RT		160	24	107		
73	57+00	59+28	RT		228	34	152		
74	59+28	65+30	RT	602				4	268
75	65+30	67+25	RT		195	29	130		
76	67+25	68+75	RT	150				1	67
77	69+10	79+37	RT	1027				8	456
78	84+00	87+00	LT&RT		600	89	400		
SUBTOTALS				4823	5801	860	3868	37	2144

LOCATION				FEET OF DITCHING		MISCELLANEOUS ITEMS			
						613.10	649.31	651.15	653.20
SITE	STATION	STATION	POS.	PERCENT GRADE 0-2.5	PERCENT GRADE ≥2.5	STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.
VT ROUTE 108						CY	SY	LB	SY
BAKERSFIELD (CONT.)									
79	88+11	92+58	RT		447	66	298		
80	93+00	97+17	LT		417	62	278		
81	97+17	97+50	LT	33				1	15
82	97+50	99+13	RT	163				1	72
83	99+55	113+23	RT		1368	203	912		
84	113+89	116+55	RT		266	39	177		
85	116+55	117+00	LT	45				1	20
86	117+50	118+05	RT	55				1	24
87	118+40	120+62	RT	222				2	99
88	120+80	122+39	RT		159	24	106		
89	122+56	124+95	RT	239				2	106
90	125+29	126+95	RT	166				1	74
91	126+95	132+75	RT		580	86	387		
92	137+00	138+68	RT		168	25	112		
93	138+68	143+50	RT	482				4	214
94	148+50	151+50	LT		300	44	200		
95	169+00	174+00	LT		500	74	333		
96	169+00	170+50	RT		150	22	100		
97	171+05	172+04	RT		99	15	66		
98	172+39	173+54	RT		115	17	77		
SUBTOTALS				1405	4569	677	3046	13	624
TOTALS				14730	18702	2771	12469	115	6544

*TOTALS CARRIED FORWARD TO THE ITEM DETAIL SUMMARY SHEET



DITCH DETAIL 0 – 2.5 PERCENT



DITCH DETAIL ≥ 2.5 PERCENT

NOTES:

1. PIPE INLET AND OUTLET AREAS AND DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS IDENTIFIED ON THIS SHEET AND AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).

2. GRADES BETWEEN 0 AND 2.5 PERCENT SHALL USE 651.15, SEED AND ITEM 653.20, TEMPORARY EROSION MATTING OR ITEM 651.25 HAY MULCH AS DIRECTED BY THE ENGINEER. GRADES 2.5 PERCENT OR GREATER SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE I AS DIRECTED BY THE ENGINEER.

3. ESTIMATED QUANTITIES OF TEMPORARY EROSION MATTING, HAY MULCH, SEED, STONE FILL AND GEOTEXTILE UNDER STONE FILL HAVE BEEN INCLUDED AS NEEDED OR AS DIRECTED BY THE ENGINEER.

NOT TO SCALE

Stantec

DITCH CLEANING DETAIL SHEET

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258dcs.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 26 OF 387

THINNING AND TRIMMING FOR SIGNS
STA. 496+32, RT

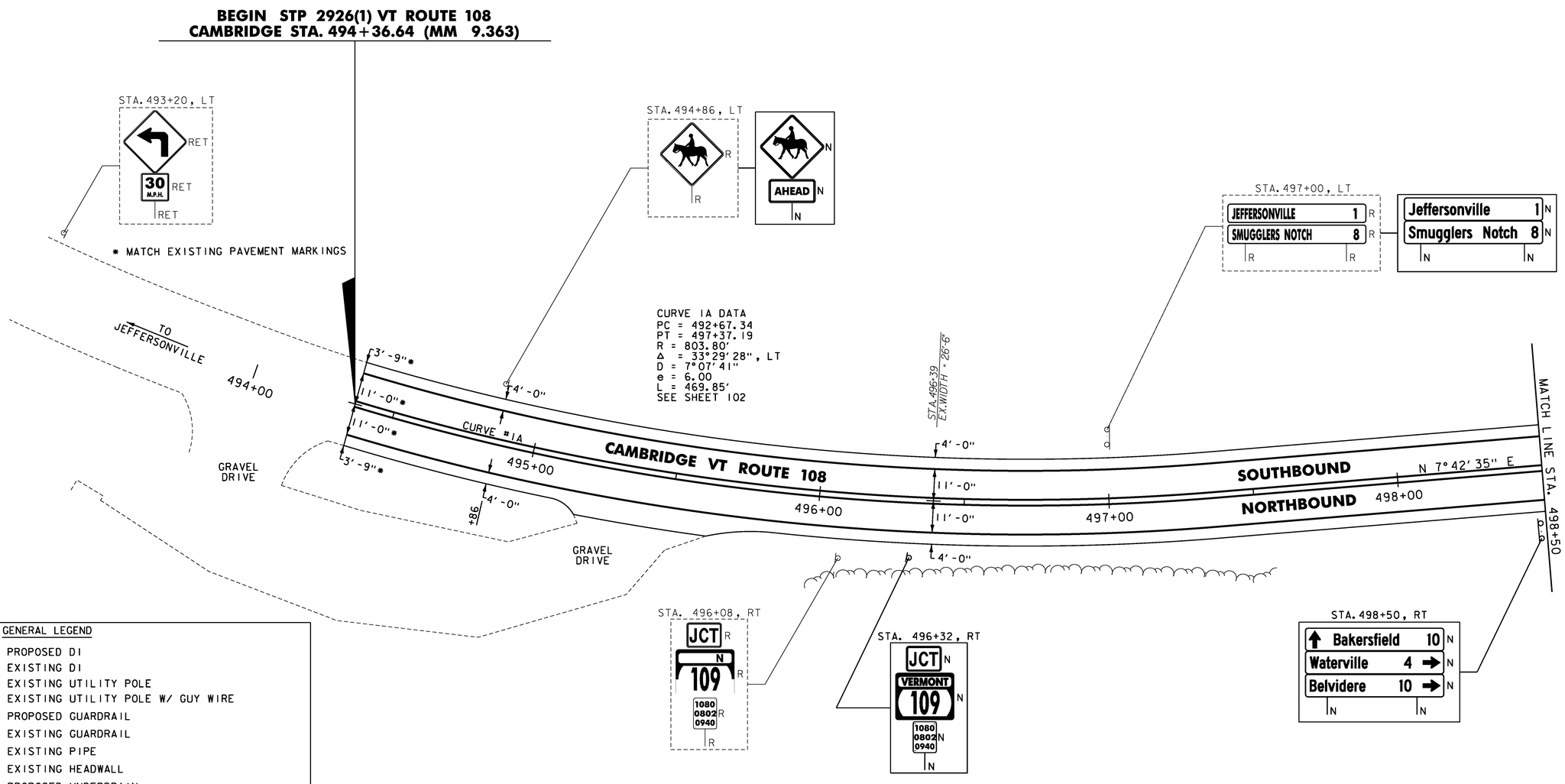
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 494+36.64 TO 498+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 494+36.64 TO 498+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 494+36.64 TO 498+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 494+36.64 TO 498+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 6



GENERAL LEGEND

- = PROPOSED DI
- = EXISTING DI
- = EXISTING UTILITY POLE
- = EXISTING UTILITY POLE W/ GUY WIRE
- = PROPOSED GUARDRAIL
- = EXISTING GUARDRAIL
- = EXISTING PIPE
- = EXISTING HEADWALL
- = PROPOSED UNDERDRAIN
- = SOIL BORING
- = EXISTING MAILBOX
- = UNDERDRAIN NOTE NUMBER
- = SINGLE SIGN POST - SINGLE SIGN
- = SINGLE SIGN POST - MULTIPLE SIGNS
- = DOUBLE SIGN POST
- = EXISTING FIRE HYDRANT
- = EXISTING TREE
- = EXISTING TREE LINE
- = EDGE OF WATER
- = EXISTING LEDGE
- = EXISTING FENCE
- AER E&T — = EXISTING AERIAL ELECTRIC & TELEPHONE WIRE

SIGN LEGEND

N	= NEW
R	= REMOVE
S	= SALVAGE
RET	= RETAIN
B-B	= BACK TO BACK

PROPOSED STONE FILL, TYPE I AREAS
SEE SHEET 12 FOR DETAILS
SEE SHEETS 27-80 FOR LOCATIONS

NOTES:

1. FOR LEGENDS, SEE THIS SHEET.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #1

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l01.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 27 OF 387

STONE FILL, TYPE I
STA. 499+45 TO 500+00, LT
STA. 500+50 TO 502+50, LT
STA. 502+80 TO 503+25, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 500+24, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 498+50 TO 503+50, SOLID LT & RT
STA. 501+75, SOLID RT (EDGELINES, VT ROUTE 109)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 498+50 TO 503+50, SOLID LT & RT
STA. 501+75, DOUBLE SOLID RT (VT ROUTE 109)

DURABLE 24 INCH STOP BAR
STA. 501+75, RT (VT ROUTE 109)

DURABLE LETTER OR SYMBOL
STA. 501+75, RT (VT ROUTE 109) "STOP"

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 498+50 TO 503+50, SOLID LT & RT
STA. 501+75, SOLID RT (EDGELINES, VT ROUTE 109)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 498+50 TO 503+50, SOLID LT & RT
STA. 501+75, DOUBLE SOLID RT (VT ROUTE 109)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 501+75, RT (VT ROUTE 109)

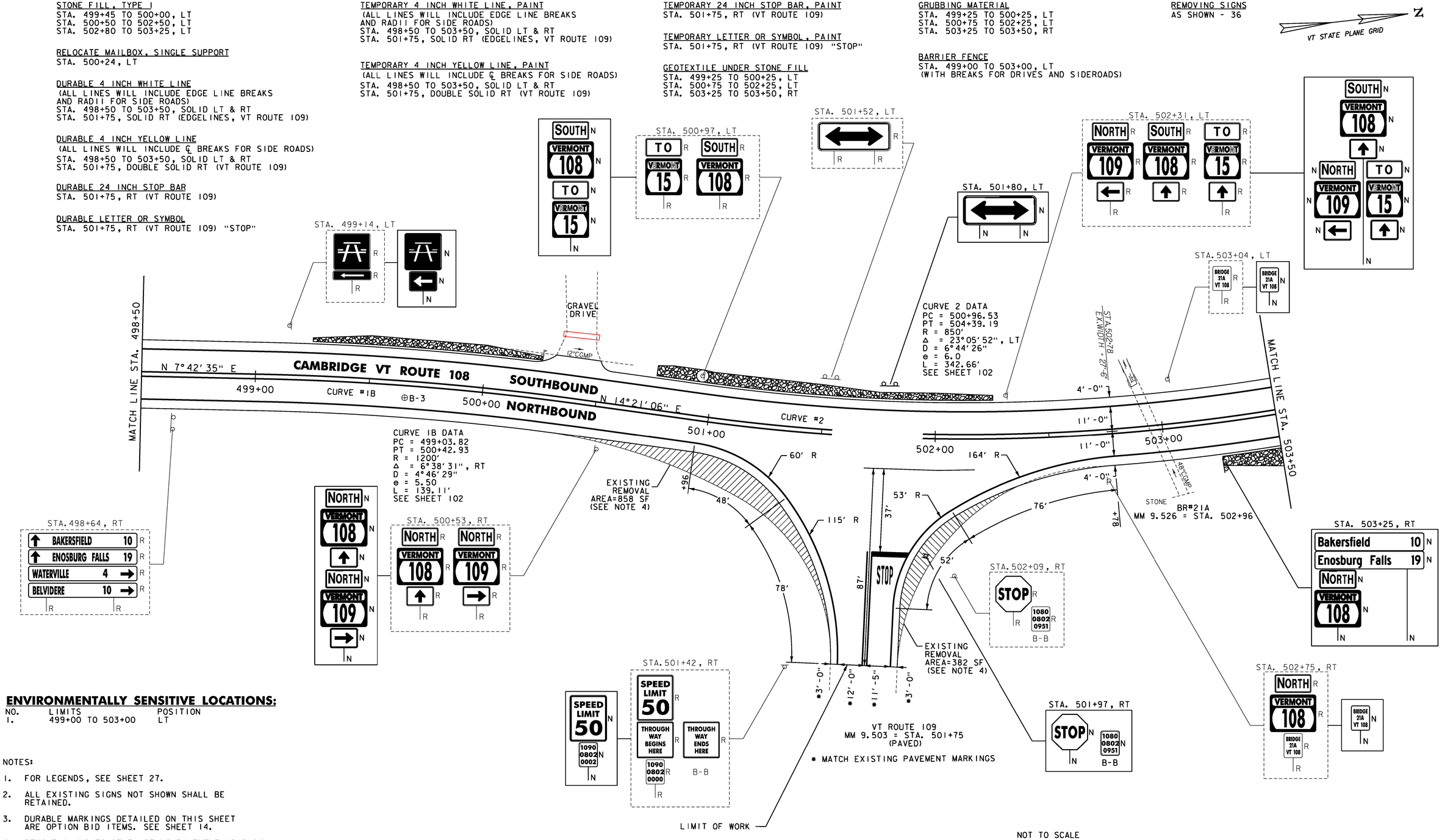
TEMPORARY LETTER OR SYMBOL, PAINT
STA. 501+75, RT (VT ROUTE 109) "STOP"

GEOTEXTILE UNDER STONE FILL
STA. 499+25 TO 500+25, LT
STA. 500+75 TO 502+25, LT
STA. 503+25 TO 503+50, RT

GRUBBING MATERIAL
STA. 499+25 TO 500+25, LT
STA. 500+75 TO 502+25, LT
STA. 503+25 TO 503+50, RT

BARRIER FENCE
STA. 499+00 TO 503+00, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 36



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
1.	499+00 TO 503+00	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.
4. REMOVE 4 INCHES OF EXISTING PAVEMENT AS SHOWN. PAYMENT TO BE MADE UNDER ITEM 203.15 - COMMON EXCAVATION. IF LESS THAN 4 INCHES OF PAVEMENT IS ENCOUNTERED, REMOVAL OF SUBBASE SHALL BE PAID UNDER ITEM 203.15 - COMMON EXCAVATION. REPLACE WITH 4 INCHES OF ITEM 651.35 - TOPSOIL, 651.15 - SEED, 651.18 - FERTILIZER, 651.20 - AGRICULTURAL LIMESTONE AND 653.20 - TEMPORARY EROSION MATTING. ESTIMATED QUANTITIES OF ALL THESE ITEMS HAVE BEEN INCLUDED FOR USE AS DIRECTED BY THE ENGINEER.

REMOVAL OF EXISTING PAVEMENT AREAS, SEE NOTE 3

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-3	5.0'	NO	WATER @ 4.0'

Stantec

NOT TO SCALE

PROJECT LAYOUT SHEET #2

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258I02.i
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 28 OF 387

STONE FILL, TYPE I
STA. 503+50 TO 504+50, RT
STA. 506+25 TO 506+75, RT
STA. 506+75 TO 507+25, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 506+54, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 503+50 TO 508+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 503+50 TO 508+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 503+50 TO 508+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 503+50 TO 508+50, SOLID LT & RT

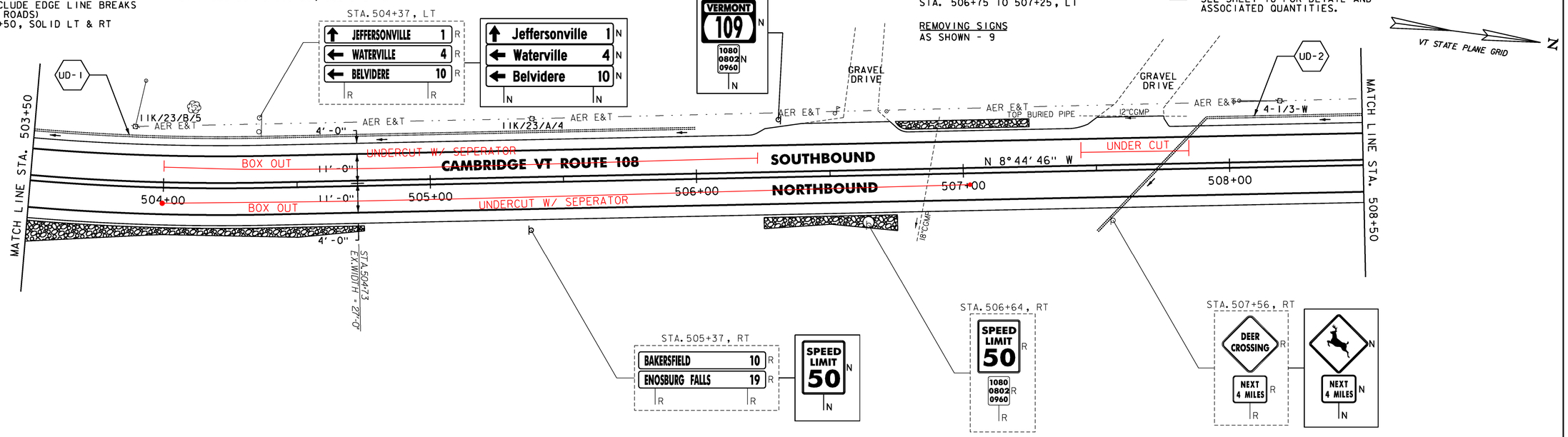
GEOTEXTILE UNDER STONE FILL
STA. 503+50 TO 504+75, RT
STA. 506+25 TO 506+75, RT
STA. 506+75 TO 507+25, LT

GRUBBING MATERIAL
STA. 503+50 TO 504+75, RT
STA. 506+25 TO 506+75, RT
STA. 506+75 TO 507+25, LT

REMOVING SIGNS
AS SHOWN - 9

UD-1 STA 503+50 TO 506+00, LT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.

UD-2 STA 507+50, RT TO 511+50, LT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.



STONE FILL, TYPE I
STA. 512+00 TO 513+50, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 509+90, LT
STA. 512+55, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 508+50 TO 513+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 508+50 TO 513+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 508+50 TO 513+50, SOLID LT & RT

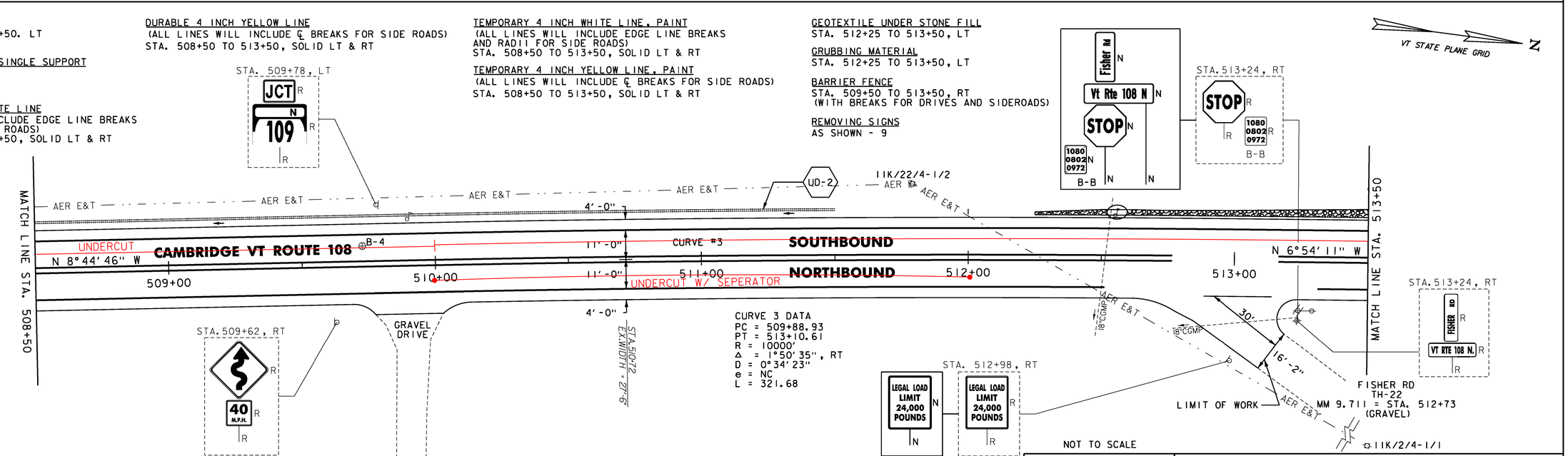
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 508+50 TO 513+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 512+25 TO 513+50, LT

GRUBBING MATERIAL
STA. 512+25 TO 513+50, LT

BARRIER FENCE
STA. 509+50 TO 513+50, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 9



CURVE 3 DATA
PC = 509+88.93
PT = 513+10.61
R = 10000'
Δ = 1°50'35", RT
D = 0°34'23"
e = NC
L = 321.68

NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
2.	509+50 TO 513+50	RT

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-4	5.0'	NO	

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #3

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258I03.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC

STONE FILL, TYPE I
STA. 513+50 TO 514+35, LT
STA. 514+35 TO 516+11, RT
STA. 514+79 TO 515+00, LT
STA. 518+25 TO 518+50, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 513+50 TO 518+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 513+50 TO 518+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 513+50 TO 518+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 513+50 TO 518+50, SOLID LT & RT

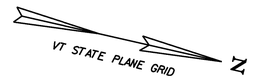
GEOTEXTILE UNDER STONE FILL
STA. 513+50 TO 514+25, LT
STA. 514+25 TO 516+25, RT
STA. 514+75 TO 515+25, LT
STA. 518+25 TO 518+50, RT

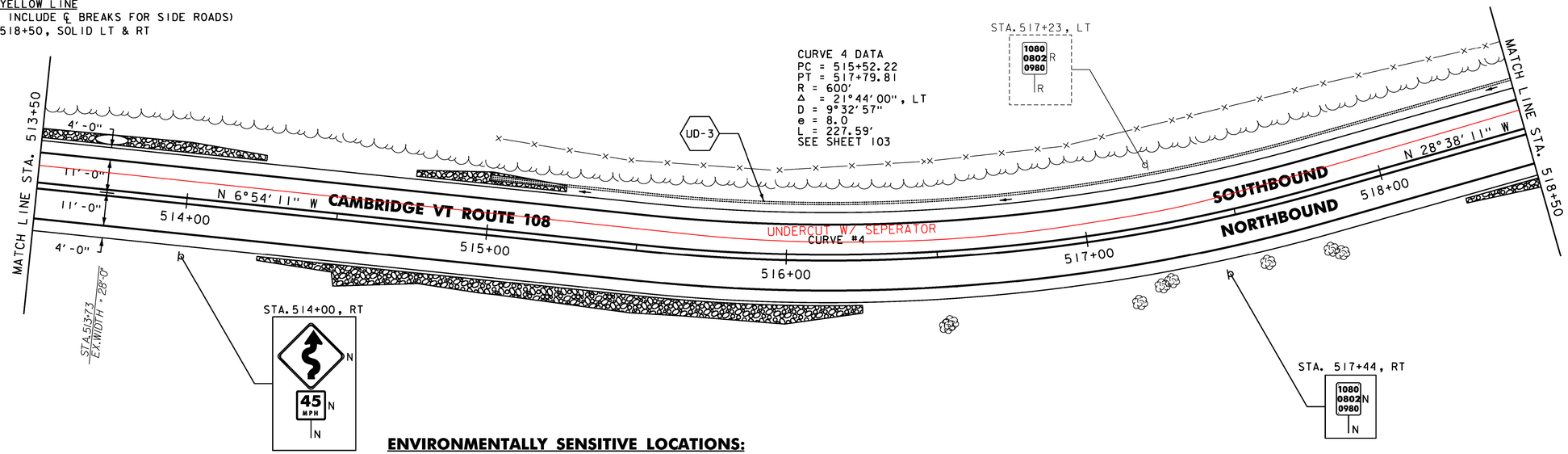
GRUBBING MATERIAL
STA. 513+50 TO 514+25, LT
STA. 514+25 TO 516+25, RT
STA. 514+75 TO 515+25, LT
STA. 518+25 TO 518+50, RT

BARRIER FENCE
STA. 513+50 TO 518+50, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1

UD-3 STA 515+00 TO 518+50, LT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.





ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
2.	513+50 TO 518+50	RT

REHAB. DIS. CBS OR MHS. CLASS I
STA. 520+15, RT "DI"

STONE FILL, TYPE I
STA. 518+50 TO 519+08, RT
STA. 519+08 TO 522+00, LT
STA. 522+25 TO 523+00, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 518+50 TO 523+00, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 518+50 TO 523+00, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 518+50 TO 523+00, SOLID LT & RT

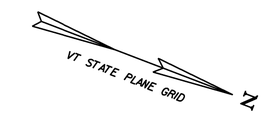
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 518+50 TO 523+00, SOLID LT & RT

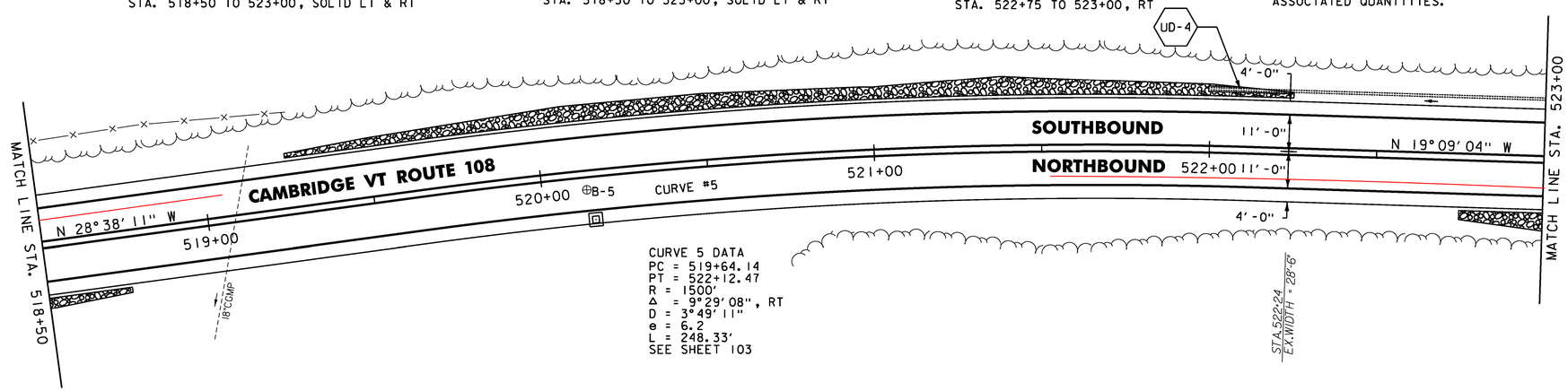
GEOTEXTILE UNDER STONE FILL
STA. 518+50 TO 518+75, RT
STA. 519+25 TO 522+25, LT
STA. 522+75 TO 523+00, RT

GRUBBING MATERIAL
STA. 518+50 TO 518+75, RT
STA. 519+25 TO 522+25, LT
STA. 522+75 TO 523+00, RT

BARRIER FENCE
STA. 518+50 TO 520+00, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

UD-4 STA 522+00 TO 526+53, LT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.





NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
2.	518+50 TO 520+00	RT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

SOIL BORING DATA

BORING#	DEPTH (FT.)	PCC	COMMENTS
B-5	3.0'	NO	LEDGE @ 3.0'

Stantec

PROJECT LAYOUT SHEET #4

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258104.i
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 30 OF 387

STONE FILL, TYPE I
STA. 523+00 TO 523+50, RT
STA. 524+50 TO 527+13, RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 523+79, LT
STA. 527+12, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 523+00 TO 527+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 523+00 TO 527+50, SOLID LT & RT

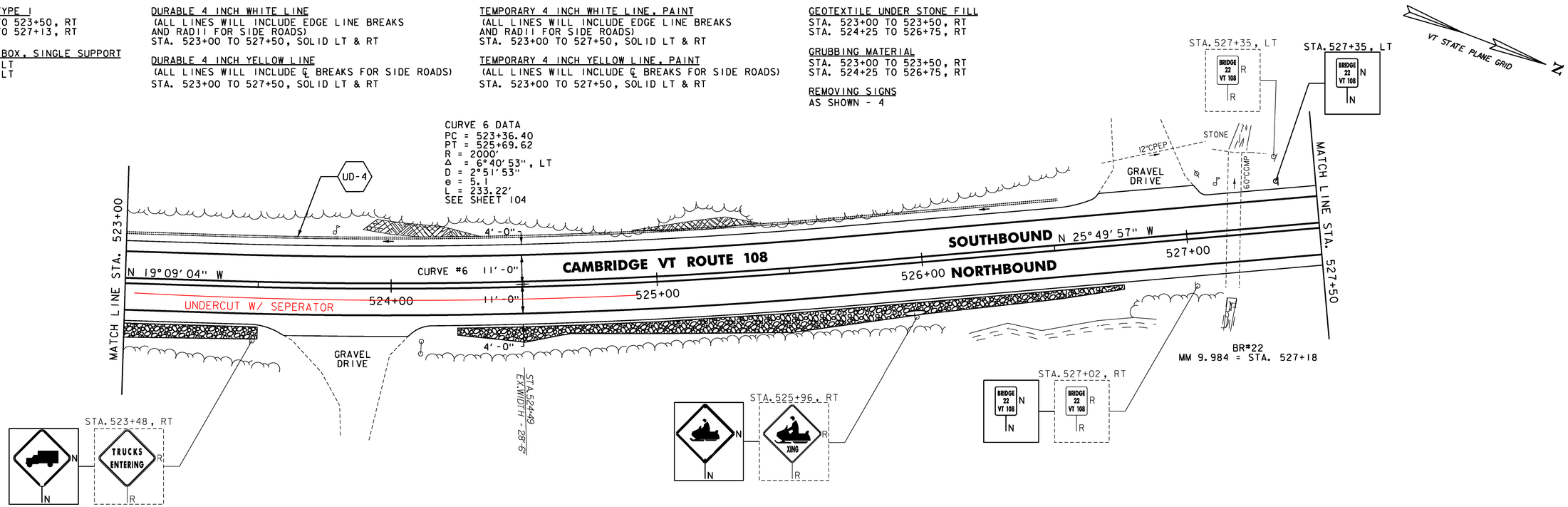
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 523+00 TO 527+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 523+00 TO 527+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 523+00 TO 523+50, RT
STA. 524+25 TO 526+75, RT

GRUBBING MATERIAL
STA. 523+00 TO 523+50, RT
STA. 524+25 TO 526+75, RT

REMOVING SIGNS
AS SHOWN - 4



STONE FILL, TYPE I
STA. 531+75 TO 532+00, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 527+50 TO 532+00, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 527+50 TO 532+00, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 527+50 TO 532+00, SOLID LT & RT

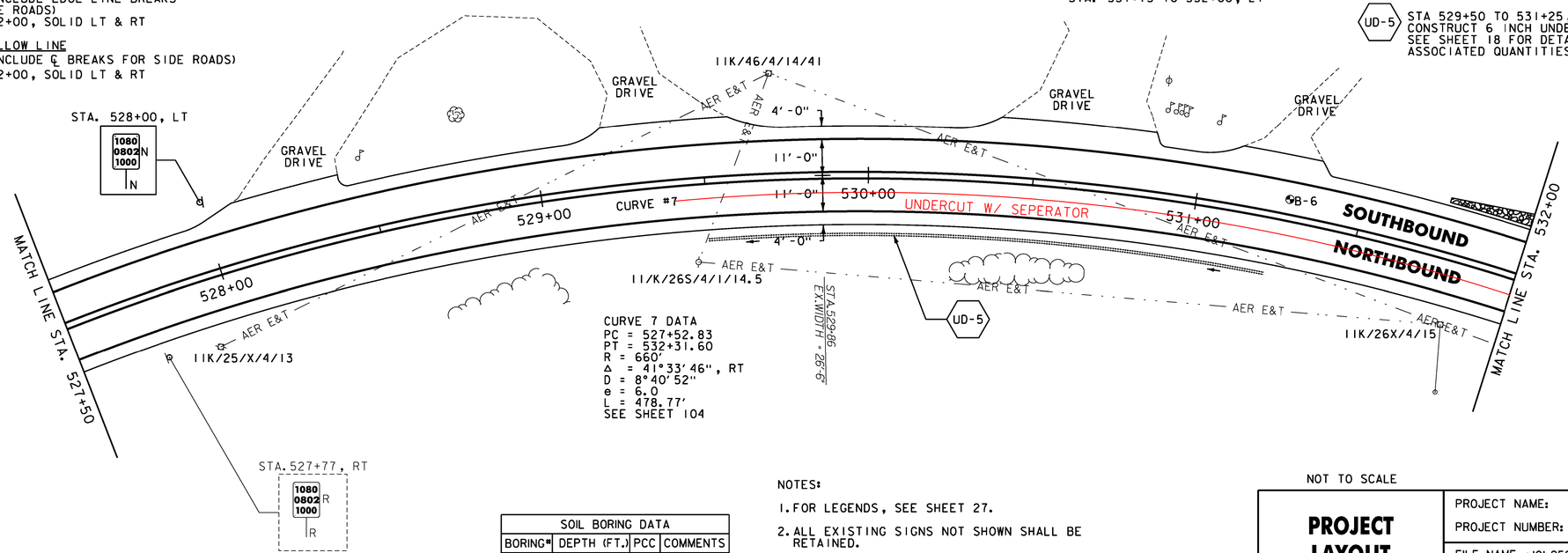
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 527+50 TO 532+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 531+75 TO 532+00, LT

GRUBBING MATERIAL
STA. 531+75 TO 532+00, LT

REMOVING SIGNS
AS SHOWN - 1

UD-5 STA 529+50 TO 531+25, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.



SOIL BORING DATA			
BORING*	DEPTH (FT.)	PCC	COMMENTS
B-6	5.0'	NO	

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

NOT TO SCALE

PROJECT LAYOUT SHEET #5

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258105.i
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 31 OF 387

STONE FILL, TYPE I
STA. 532+00 TO 533+75, LT
STA. 534+25 TO 535+25, LT
STA. 536+75 TO 537+00, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 532+00 TO 537+00, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 532+00 TO 537+00, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 532+00 TO 537+00, SOLID LT & RT

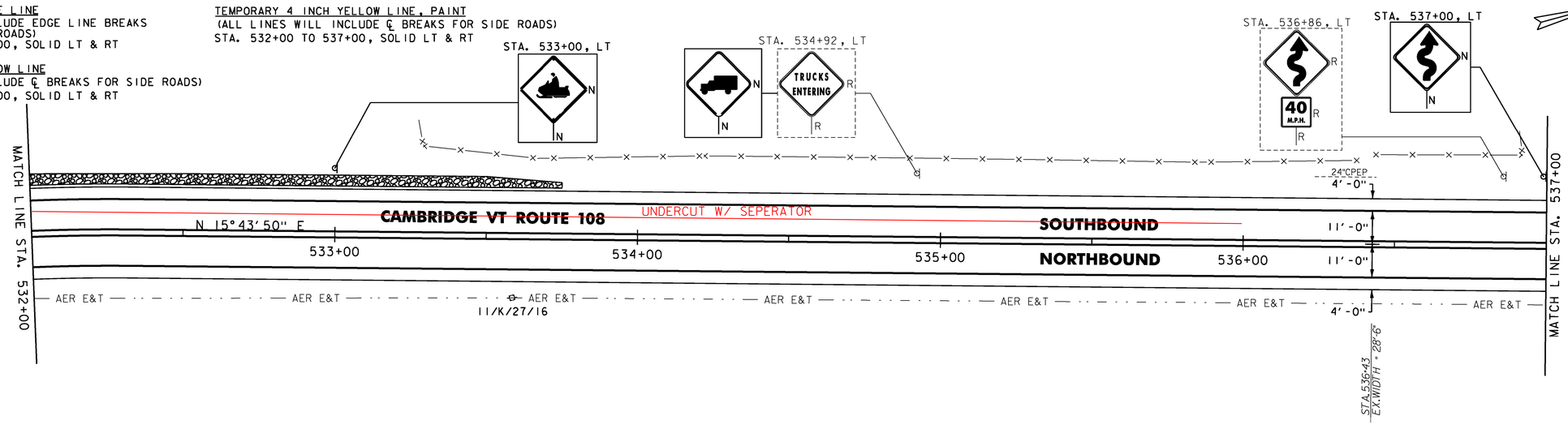
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 532+00 TO 537+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 532+00 TO 533+75, LT

GRUBBING MATERIAL
STA. 532+00 TO 533+75, LT

BARRIER FENCE
STA. 534+30 TO 537+00, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 3



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
3.	534+30 TO 537+00	RT

STONE FILL, TYPE I
STA. 537+00 TO 538+75, LT
STA. 538+75 TO 539+25, RT
STA. 539+75 TO 540+25, RT
STA. 541+25 TO 542+50, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 537+00 TO 542+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 537+00 TO 542+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 537+00 TO 542+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 537+00 TO 542+50, SOLID LT & RT

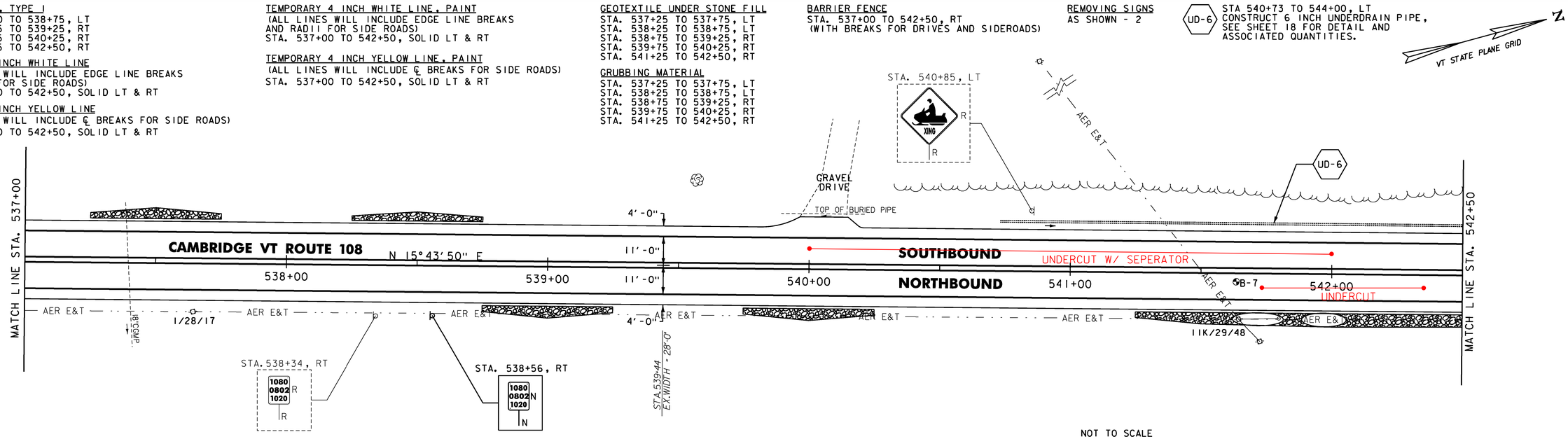
GEOTEXTILE UNDER STONE FILL
STA. 537+25 TO 537+75, LT
STA. 538+25 TO 538+75, LT
STA. 538+75 TO 539+25, RT
STA. 539+75 TO 540+25, RT
STA. 541+25 TO 542+50, RT

GRUBBING MATERIAL
STA. 537+25 TO 537+75, LT
STA. 538+25 TO 538+75, LT
STA. 538+75 TO 539+25, RT
STA. 539+75 TO 540+25, RT
STA. 541+25 TO 542+50, RT

BARRIER FENCE
STA. 537+00 TO 542+50, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 2

UD-6 STA 540+73 TO 544+00, LT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
3.	537+00 TO 542+50	RT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

SOIL BORING DATA

BORING*	DEPTH (FT.)	PCC	COMMENTS
B-7	5.0'	NO	

Stantec

NOT TO SCALE

PROJECT LAYOUT SHEET #6

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258I06.i
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 32 OF 387

STONE FILL, TYPE I
STA. 542+50 TO 542+75, RT
STA. 543+75 TO 546+25, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 542+50 TO 546+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 542+50 TO 546+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 542+50 TO 546+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 542+50 TO 546+50, SOLID LT & RT

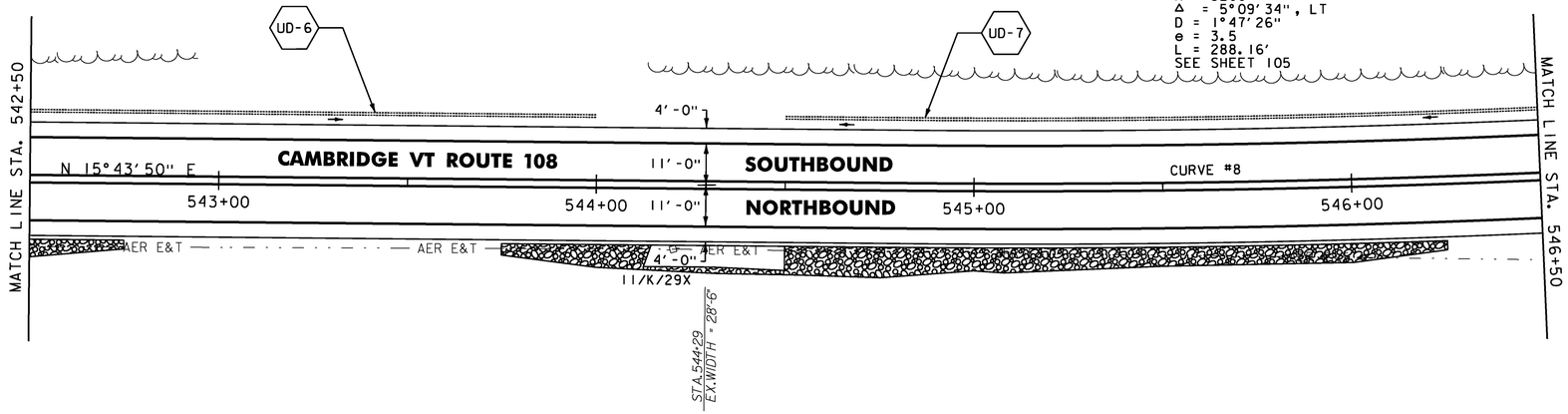
GEOTEXTILE UNDER STONE FILL
STA. 542+50 TO 542+75, RT
STA. 543+75 TO 546+25, RT

GRUBBING MATERIAL
STA. 542+50 TO 542+75, RT
STA. 543+75 TO 546+25, RT

BARRIER FENCE
STA. 542+50 TO 546+50, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

UD-7 STA 544+50 TO 546+97, LT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.

CURVE 8 DATA
PC = 544+82.86
PT = 547+71.02
R = 3200'
Δ = 5°09'34", LT
D = 1°47'26"
e = 3.5
L = 288.16'
SEE SHEET 105



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
3.	542+50 TO 546+50	RT

STONE FILL, TYPE I
STA. 548+15 TO 550+25, RT
STA. 548+19 TO 549+25, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 547+83, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 546+50 TO 551+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 546+50 TO 551+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 546+50 TO 551+50, SOLID LT & RT

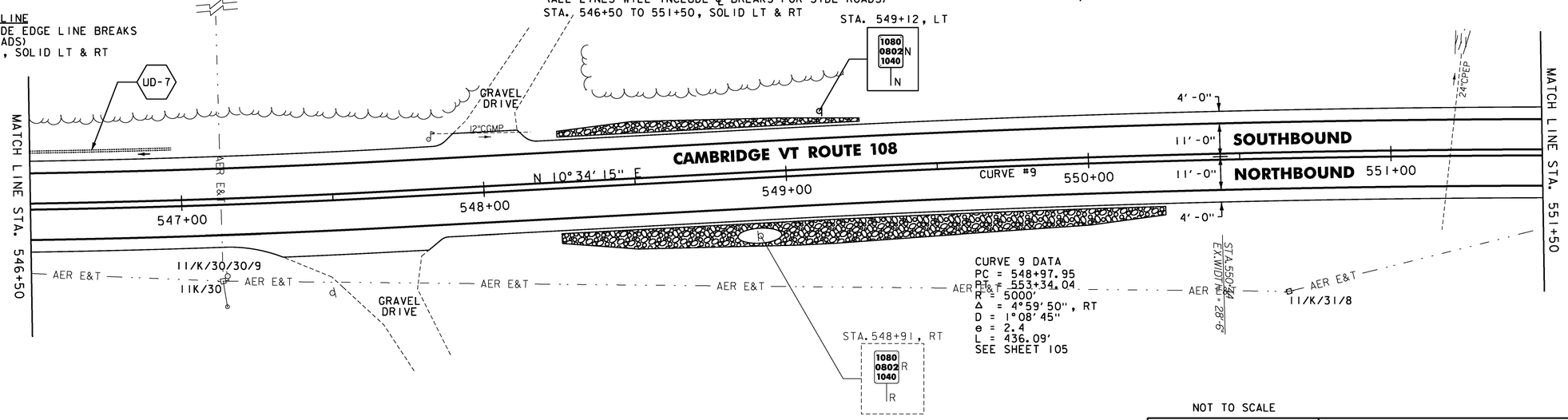
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 546+50 TO 551+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 548+25 TO 549+25, LT
STA. 548+25 TO 550+25, RT

GRUBBING MATERIAL
STA. 548+25 TO 549+25, LT
STA. 548+25 TO 550+25, RT

BARRIER FENCE
STA. 546+50 TO 549+00, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1



CURVE 9 DATA
PC = 548+97.95
PT = 553+34.04
R = 5000'
Δ = 4°59'50", RT
D = 1°08'45"
e = 2.4
L = 436.09'
SEE SHEET 105

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
3.	546+50 TO 549+00	RT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #7

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258107.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 33 OF 387

STONE FILL, TYPE I
STA. 551+75 TO 555+25, LT
STA. 554+13 TO 554+40, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 551+50 TO 556+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 551+50 TO 556+50, SOLID LT & RT

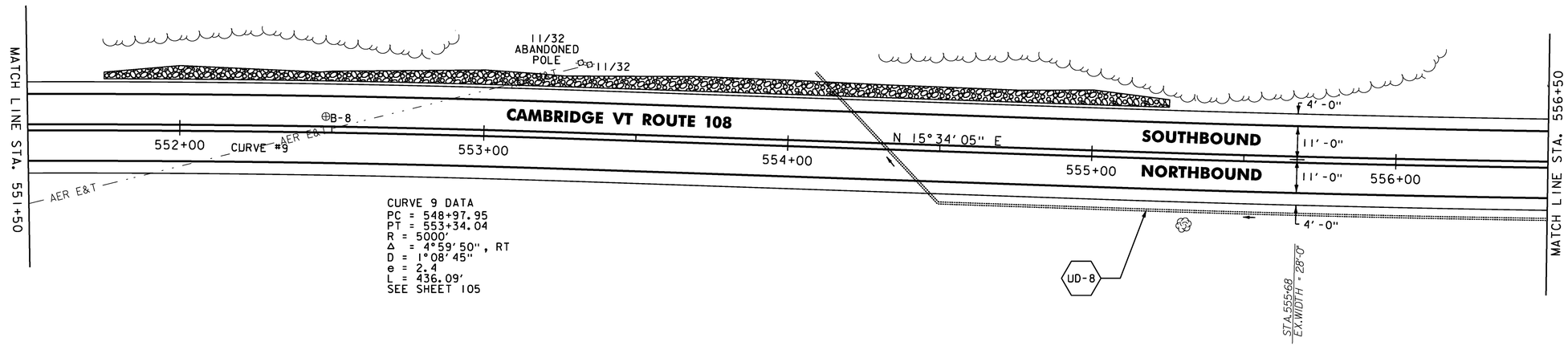
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 551+50 TO 556+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 551+50 TO 556+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 551+75 TO 555+25, LT

GRUBBING MATERIAL
STA. 551+75 TO 555+25, LT

UD-8 STA 554+08, LT TO 556+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE,
SEE SHEET 18 FOR DETAIL AND
ASSOCIATED QUANTITIES.



CURVE 9 DATA
PC = 548+97.95
PT = 553+34.04
R = 5000'
Δ = 4°59'50", RT
D = 1°08'45"
e = 2.4
L = 436.09'
SEE SHEET 105

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-8	5.0'	NO	

STONE FILL, TYPE I
STA. 558+33 TO 558+79, LT
STA. 560+67 TO 561+50, LT
STA. 561+25 TO 561+50, RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 557+02, LT
STA. 557+03, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 556+50 TO 561+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 556+50 TO 561+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 556+50 TO 561+50, SOLID LT & RT

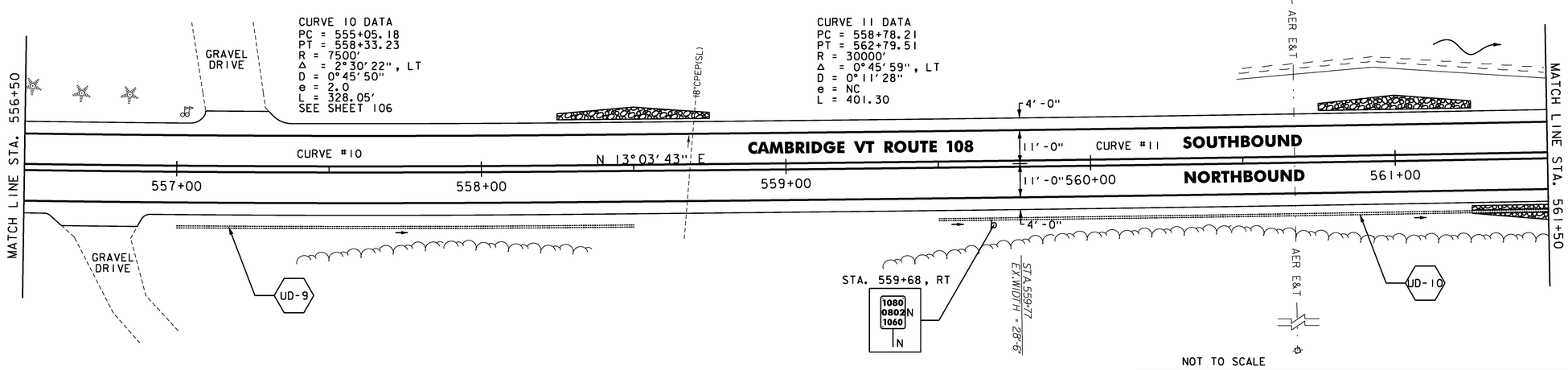
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 556+50 TO 561+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 558+25 TO 558+75, LT
STA. 560+75 TO 561+25, LT
STA. 561+25 TO 561+50, RT

GRUBBING MATERIAL
STA. 558+25 TO 558+75, LT
STA. 560+75 TO 561+25, LT
STA. 561+25 TO 561+50, RT

UD-9 STA 557+00 TO 558+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE,
SEE SHEET 18 FOR DETAIL AND
ASSOCIATED QUANTITIES.

UD-10 STA 559+50 TO 561+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE,
SEE SHEET 18 FOR DETAIL AND
ASSOCIATED QUANTITIES.



NOT TO SCALE

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #8

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258108.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 34 OF 387

STONE FILL, TYPE I
STA. 561+50 TO 562+25, LT
STA. 561+50 TO 563+25, RT
STA. 562+79 TO 563+00, LT
STA. 566+25 TO 566+50, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 562+37, LT
STA. 565+94, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 566+10 TO 566+50, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 566+10, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 566+14 TO 566+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 561+50 TO 566+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 561+50 TO 566+50, SOLID LT & RT

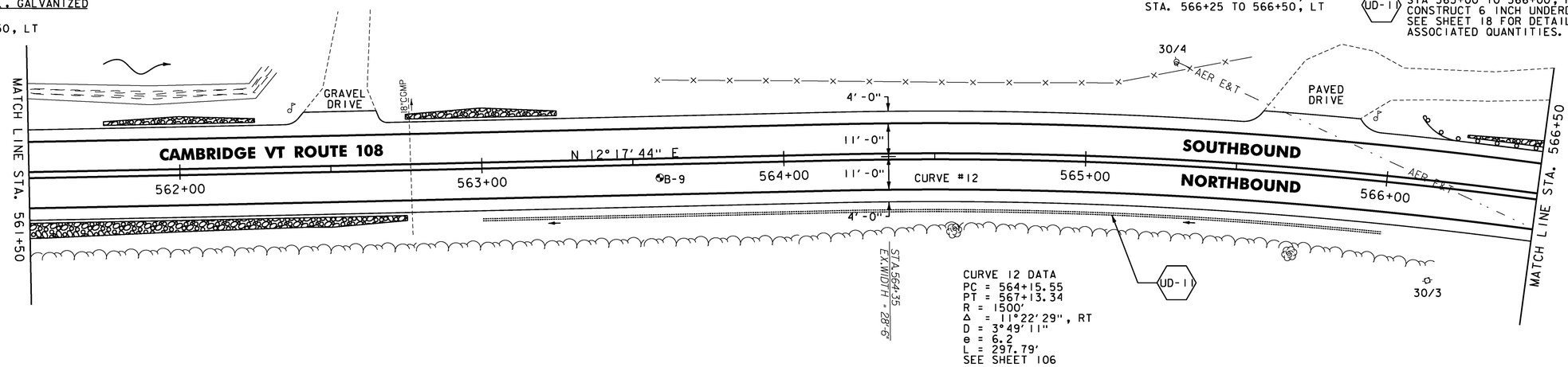
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 561+50 TO 566+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 561+50 TO 566+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 561+50 TO 562+75, RT
STA. 561+75 TO 562+25, LT
STA. 562+75 TO 563+25, LT
STA. 566+25 TO 566+50, LT

GRUBBING MATERIAL
STA. 561+50 TO 562+75, RT
STA. 561+75 TO 562+25, LT
STA. 562+75 TO 563+25, LT
STA. 566+25 TO 566+50, LT

UD-11 STA 563+00 TO 566+00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.



CURVE 12 DATA
PC = 564+15.55
PT = 567+13.34
R = 1500'
Δ = 11°22'29", RT
D = 3°49'11"
e = 6.2
L = 297.79'
SEE SHEET 106

SOIL BORING DATA			
BORING*	DEPTH (FT.)	PCC	COMMENTS
B-9	5.0'	NO	

STONE FILL, TYPE I
STA. 566+50 TO 567+60, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 566+50 TO 568+47.5, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 568+47.5, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 566+50 TO 568+48, LT
STA. 569+14 TO 571+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 566+50 TO 571+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 566+50 TO 571+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 566+50 TO 571+50, SOLID LT & RT

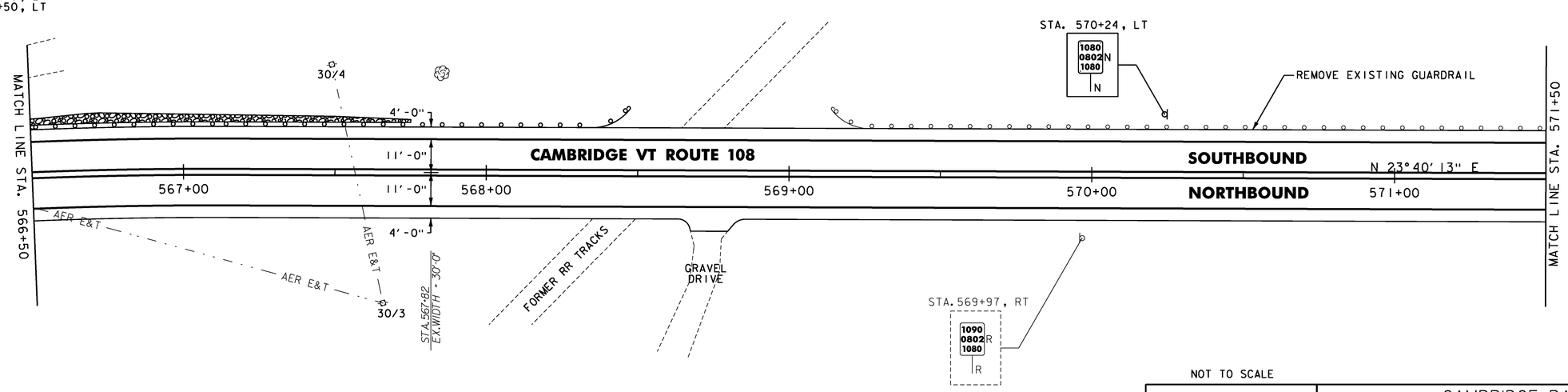
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 566+50 TO 571+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 566+50 TO 567+75, LT

GRUBBING MATERIAL
STA. 566+50 TO 567+75, LT

BARRIER FENCE
STA. 567+00 TO 570+00, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1



NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
4.	567+00 TO 570+00	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #9

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258109.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 35 OF 387

STONE FILL, TYPE I
STA. 572+50 TO 574+53, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 572+20, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 571+50 TO 571+74, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 571+50 TO 576+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 571+50 TO 576+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 571+50 TO 576+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 571+50 TO 576+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 572+25 TO 574+75, LT

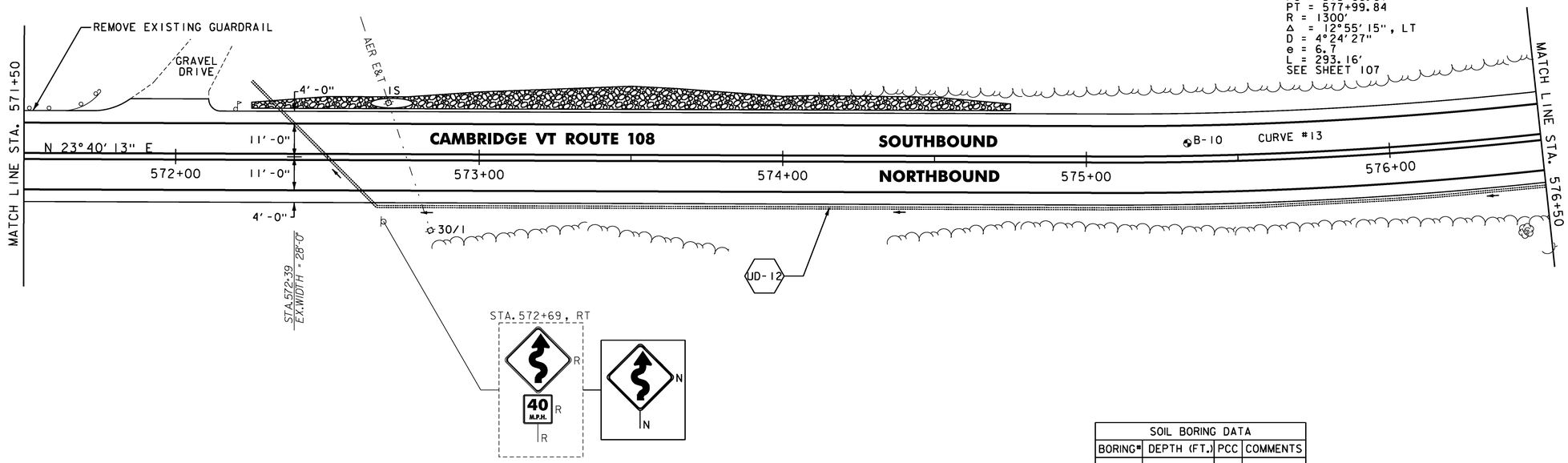
GRUBBING MATERIAL
STA. 572+25 TO 574+75, LT

REMOVING SIGNS
AS SHOWN - 2

UD-12 STA 572+25, LT TO 576+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE,
SEE SHEET 18 FOR DETAIL AND
ASSOCIATED QUANTITIES.

VT STATE PLANE GRID

CURVE 13 DATA
PC = 575+06.67
PT = 577+99.84
R = 1300'
Δ = 12°55'15", LT
D = 4°24'27"
e = 6.7
L = 293.16'
SEE SHEET 107



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-10	5.0'	NO	

STONE FILL, TYPE I
STA. 579+25 TO 581+25, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 576+50 TO 581+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 576+50 TO 581+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 576+50 TO 581+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 576+50 TO 581+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 579+25 TO 579+75, LT
STA. 579+75 TO 581+25, RT

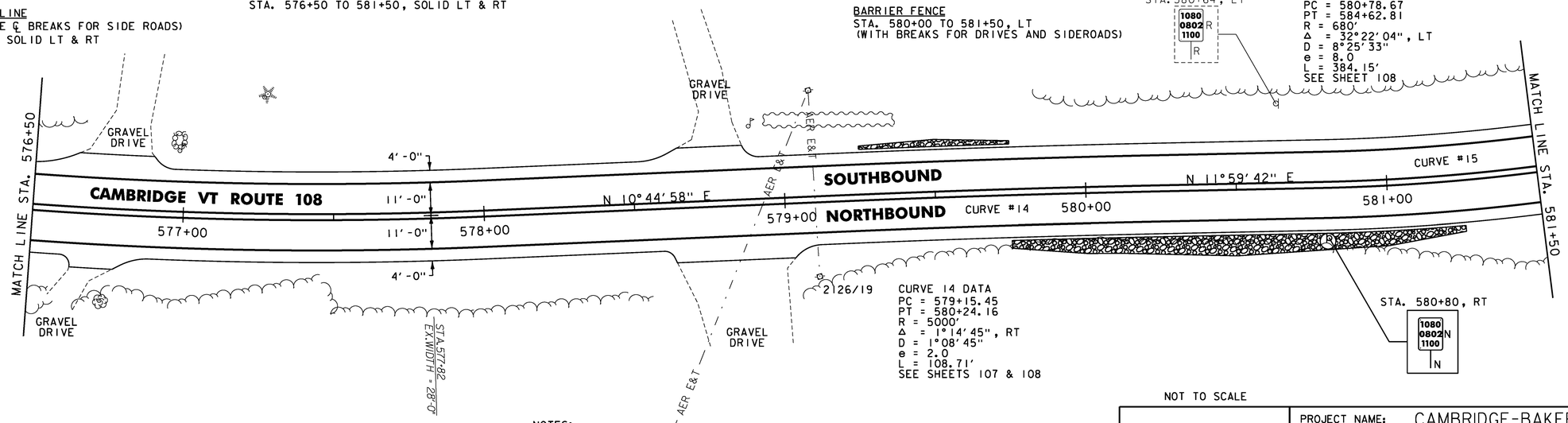
GRUBBING MATERIAL
STA. 579+25 TO 579+75, LT
STA. 579+75 TO 581+25, RT

BARRIER FENCE
STA. 580+00 TO 581+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1

VT STATE PLANE GRID

CURVE 15 DATA
PC = 580+78.67
PT = 584+62.81
R = 680'
Δ = 32°22'04", LT
D = 8°25'33"
e = 8.0
L = 384.15'
SEE SHEET 108



CURVE 14 DATA
PC = 579+15.45
PT = 580+24.16
R = 5000'
Δ = 1°14'45", RT
D = 1°08'45"
e = 2.0
L = 108.71'
SEE SHEETS 107 & 108

NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
5.	580+00 TO 581+50	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #10

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l10.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 36 OF 387

STONE FILL, TYPE I
STA. 584+25 TO 586+50, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 581+50 TO 586+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 581+50 TO 586+50, SOLID LT & RT

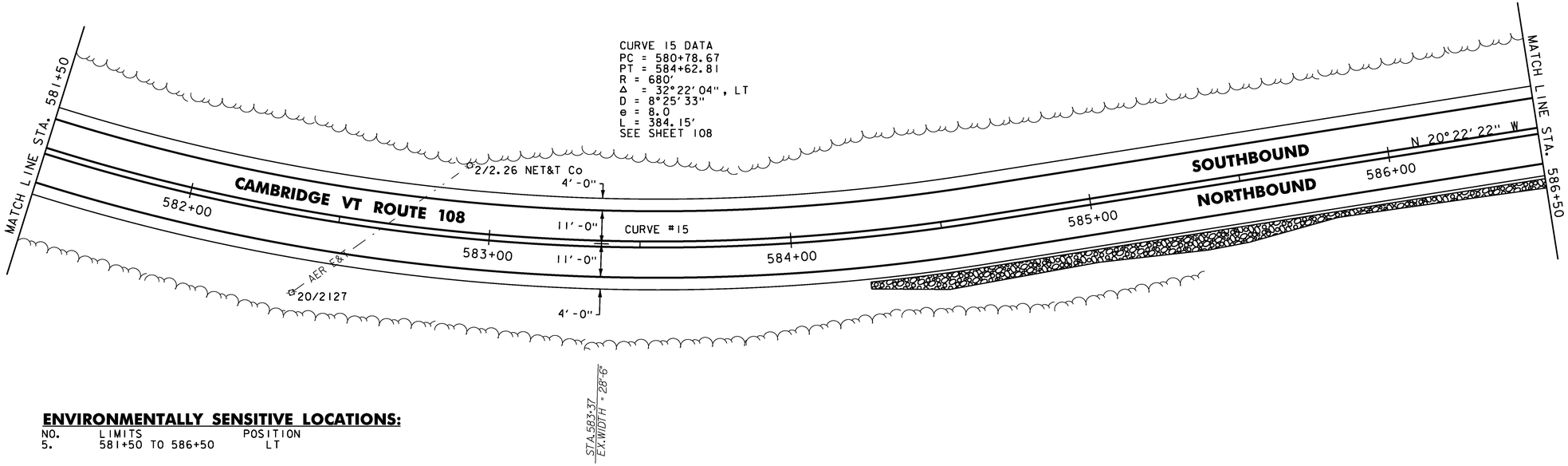
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 581+50 TO 586+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 581+50 TO 586+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 584+25 TO 586+50, RT

GRUBBING MATERIAL
STA. 584+25 TO 586+50, RT

BARRIER FENCE
STA. 581+50 TO 586+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
5.	581+50 TO 586+50	LT

STONE FILL, TYPE I
STA. 586+50 TO 587+25, RT
STA. 587+75 TO 589+70, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 586+50 TO 591+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 586+50 TO 591+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 586+50 TO 591+50, SOLID LT & RT

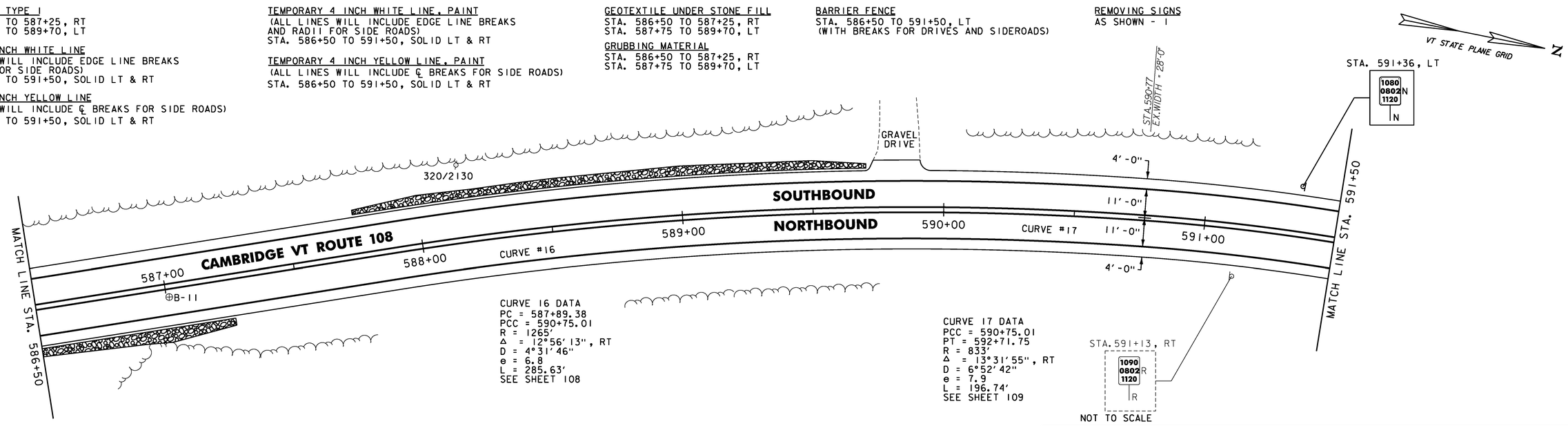
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 586+50 TO 591+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 586+50 TO 587+25, RT
STA. 587+75 TO 589+70, LT

GRUBBING MATERIAL
STA. 586+50 TO 587+25, RT
STA. 587+75 TO 589+70, LT

BARRIER FENCE
STA. 586+50 TO 591+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
5.	586+50 TO 591+50	LT

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-11	5.0'	NO	

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #11

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l11.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 37 OF 387

STONE FILL, TYPE I
STA. 592+36 TO 596+25, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 591+98, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 591+50 TO 596+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 591+50 TO 596+50, SOLID LT & RT

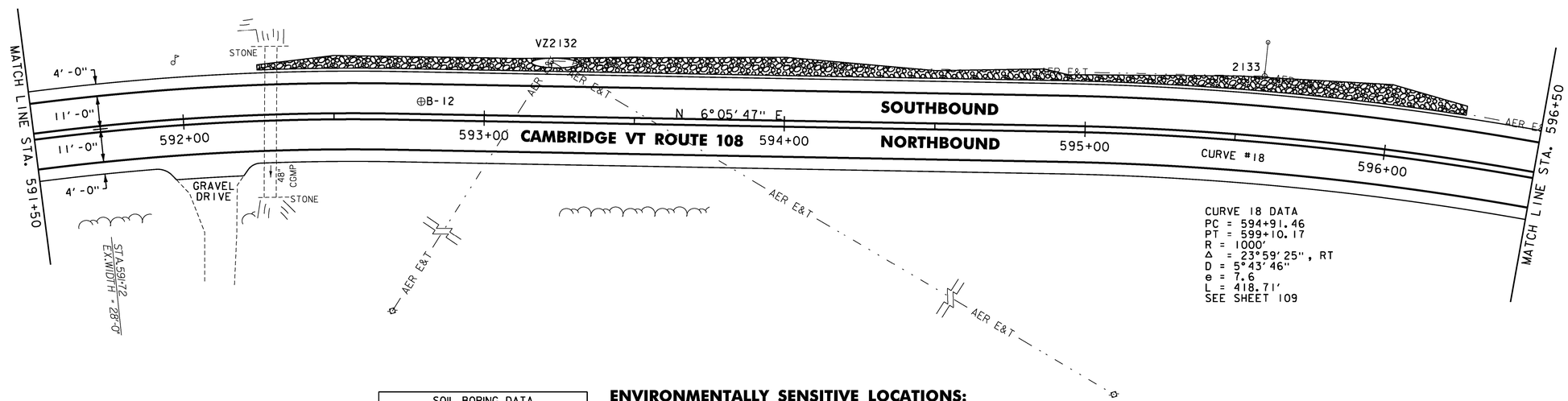
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 591+50 TO 596+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 591+50 TO 596+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 592+25 TO 596+25, LT

GRUBBING MATERIAL
STA. 592+36 TO 596+25, LT

BARRIER FENCE
STA. 591+50 TO 596+50, LT
STA. 592+50 TO 596+50, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-12	5.0'	NO	

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
5.	591+50 TO 596+50	LT
6.	592+50 TO 596+50	RT

STONE FILL, TYPE I
STA. 598+25 TO 599+66, LT
STA. 600+25 TO 601+50, RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 599+78, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 596+50 TO 601+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 596+50 TO 601+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 596+50 TO 601+50, SOLID LT & RT

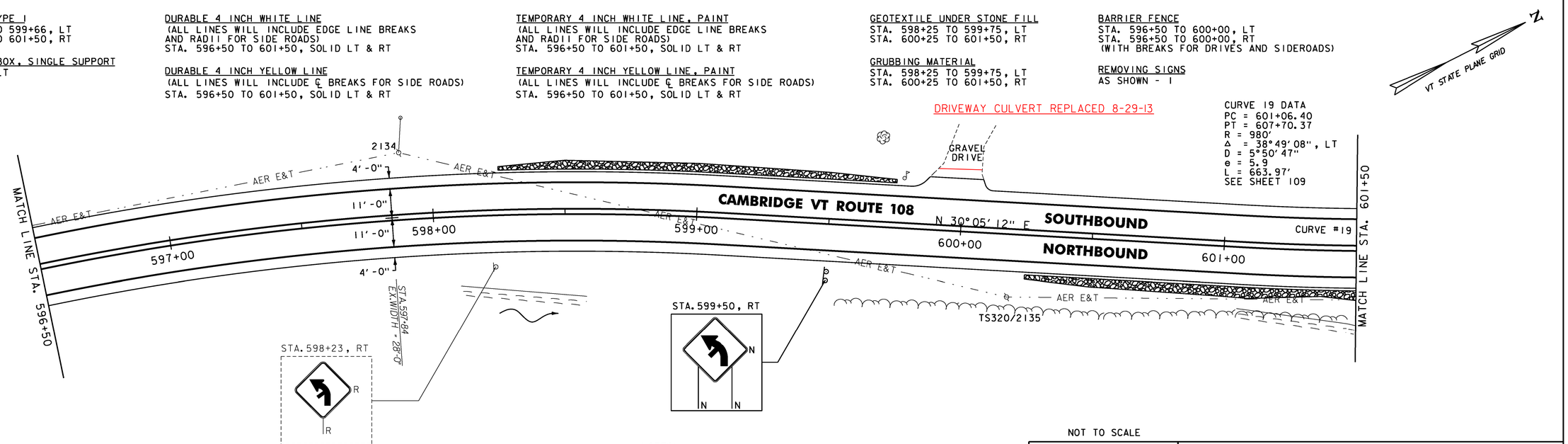
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 596+50 TO 601+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 598+25 TO 599+75, LT
STA. 600+25 TO 601+50, RT

GRUBBING MATERIAL
STA. 598+25 TO 599+75, LT
STA. 600+25 TO 601+50, RT

BARRIER FENCE
STA. 596+50 TO 600+00, LT
STA. 596+50 TO 600+00, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
5.	596+50 TO 600+00	LT
6.	596+50 TO 600+00	RT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #12

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258112.i
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 38 OF 387

STONE FILL, TYPE I
STA. 601+50 TO 601+60, RT
STA. 602+25 TO 603+75, RT
STA. 604+75 TO 606+50, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 601+50 TO 606+50, SOLID LT & RT
STA. 605+12, SOLID LT (EDGELINES, POLLANDER RD, TH-12)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 601+50 TO 606+50, SOLID LT & RT
STA. 605+12, DOUBLE SOLID LT (POLLANDER RD, TH-12)

DURABLE 24 INCH STOP BAR
STA. 605+12, LT (POLLANDER RD, TH-12)

DURABLE LETTER OR SYMBOL
STA. 605+12, LT (POLLANDER RD) "STOP"

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 601+50 TO 606+50, SOLID LT & RT
STA. 605+12, SOLID LT (EDGELINES, POLLANDER RD, TH-12)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 601+50 TO 606+50, SOLID LT & RT
STA. 605+12, DOUBLE SOLID LT (POLLANDER RD, TH-12)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 605+12, LT (POLLANDER RD, TH-12)

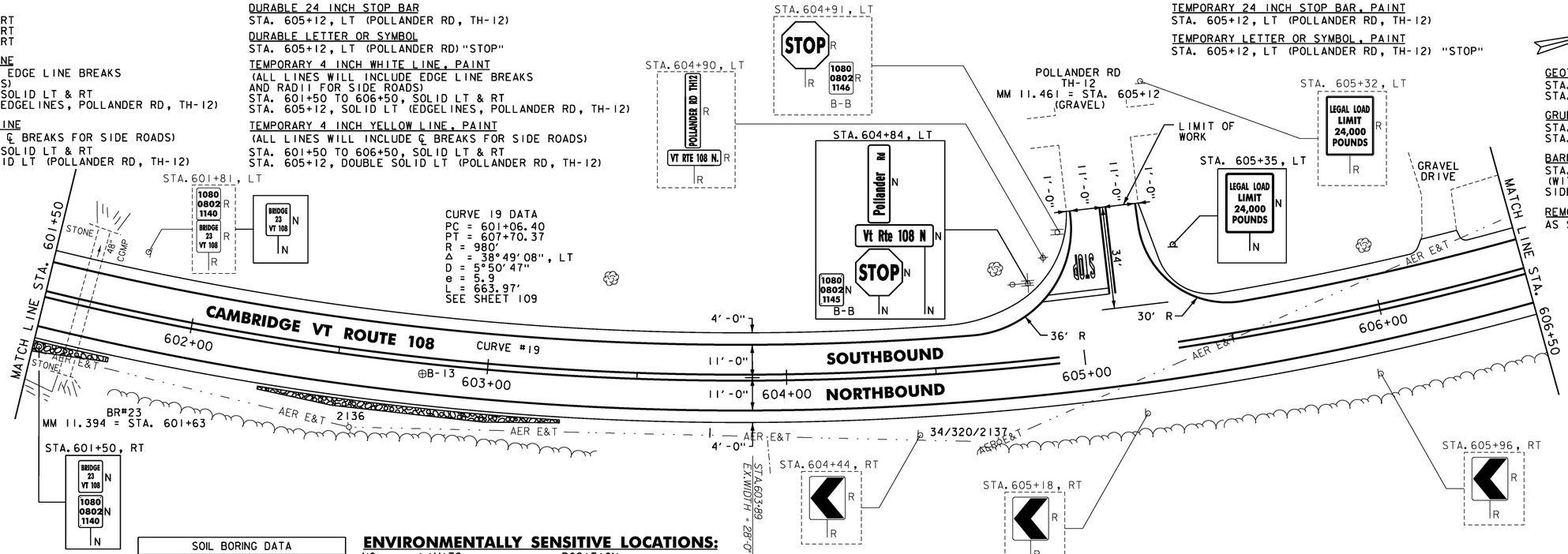
TEMPORARY LETTER OR SYMBOL, PAINT
STA. 605+12, LT (POLLANDER RD, TH-12) "STOP"

GEOTEXTILE UNDER STONE FILL
STA. 601+50 TO 601+75, RT
STA. 602+25 TO 603+25, RT

GRUBBING MATERIAL
STA. 601+50 TO 601+75, RT
STA. 602+25 TO 603+25, RT

BARRIER FENCE
STA. 601+50 TO 604+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 10



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-13	5.0'	NO	

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
7.	601+50 TO 604+50	LT

STONE FILL, TYPE I
STA. 606+50 TO 607+75, RT
STA. 606+75 TO 607+75, LT
STA. 608+75 TO 610+75, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 606+50 TO 611+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 606+50 TO 611+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 606+50 TO 611+50, SOLID LT & RT

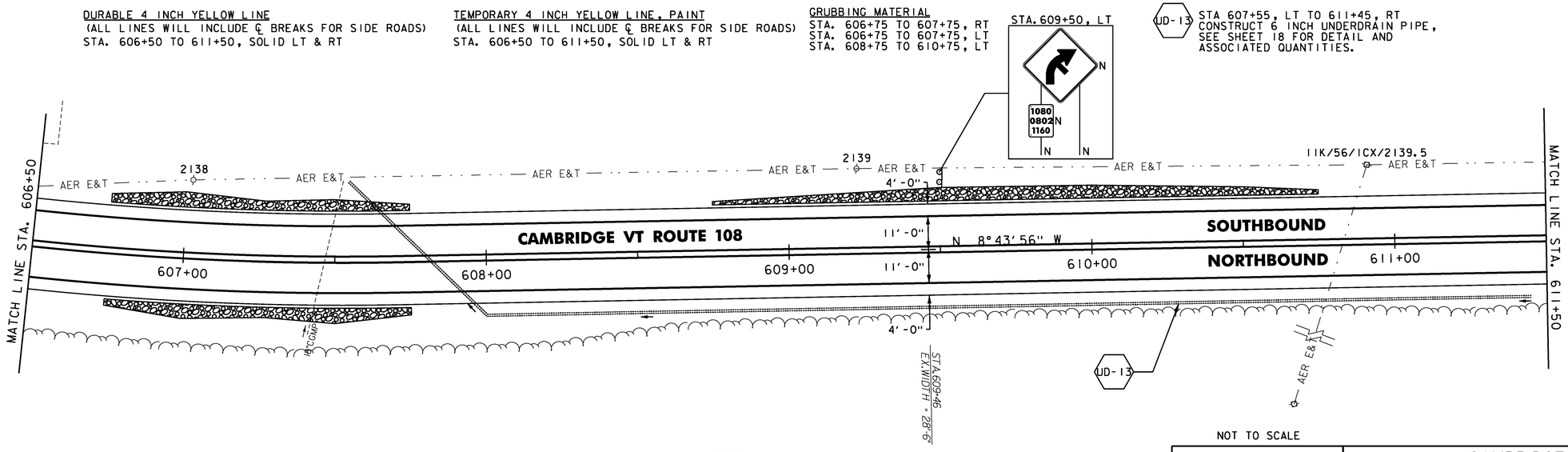
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 606+50 TO 611+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 606+75 TO 607+75, RT
STA. 606+75 TO 607+75, LT
STA. 608+75 TO 610+75, LT

GRUBBING MATERIAL
STA. 606+75 TO 607+75, RT
STA. 606+75 TO 607+75, LT
STA. 608+75 TO 610+75, LT

BARRIER FENCE
STA. 607+00 TO 611+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

UD-13 STA 607+55, LT TO 611+45, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE,
SEE SHEET 18 FOR DETAIL AND
ASSOCIATED QUANTITIES.



NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
8.	607+00 TO 611+50	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #13

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258113.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 39 OF 387

STONE FILL, TYPE I
STA. 612+25 TO 612+75, LT
STA. 613+87 TO 616+50, LT
STA. 614+75 TO 615+75, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 611+50 TO 616+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 611+50 TO 616+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 611+50 TO 616+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 611+50 TO 616+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 612+25 TO 612+75, LT
STA. 613+75 TO 616+50, LT

GRUBBING MATERIAL
STA. 612+25 TO 612+75, LT
STA. 613+75 TO 616+50, LT

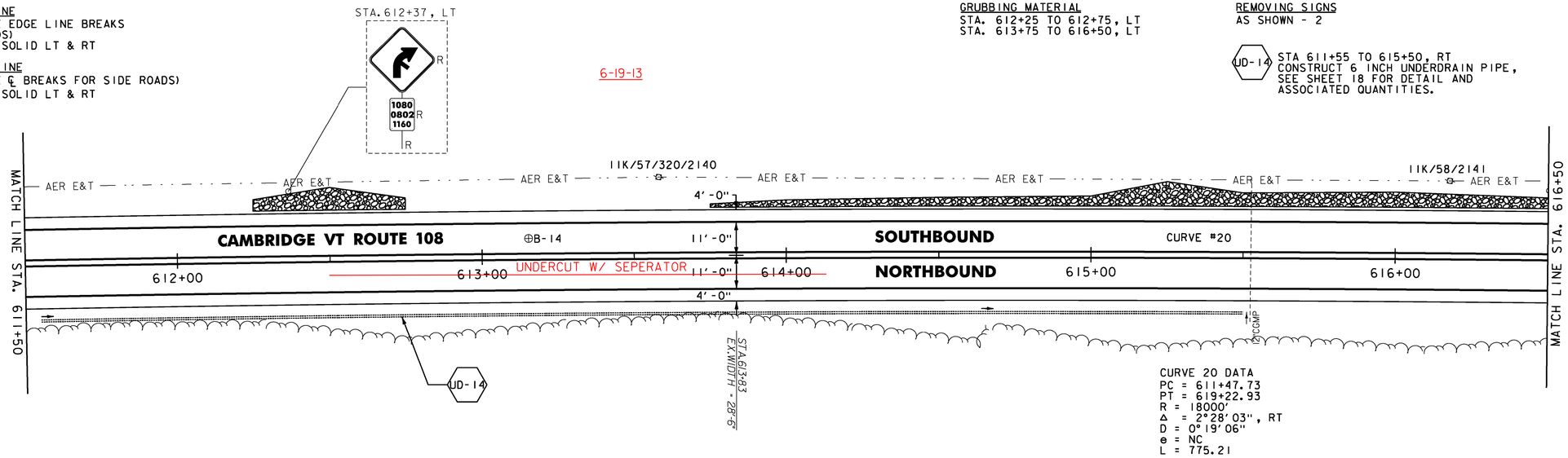
BARRIER FENCE
STA. 611+50 TO 616+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 2

UD-14 STA 611+55 TO 615+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.

VT STATE PLANE GRID N

6-19-13



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-14	5.0'	NO	

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
8.	611+50 TO 616+50	LT

THINNING AND TRIMMING FOR SIGNS
STA. 617+00, RT

STONE FILL, TYPE I
STA. 616+50 TO 616+60, LT
STA. 618+60 TO 620+00, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 616+50 TO 620+00, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 616+50 TO 620+00, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 616+50 TO 620+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 616+50 TO 620+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 616+50 TO 616+75, LT
STA. 618+75 TO 620+00, LT

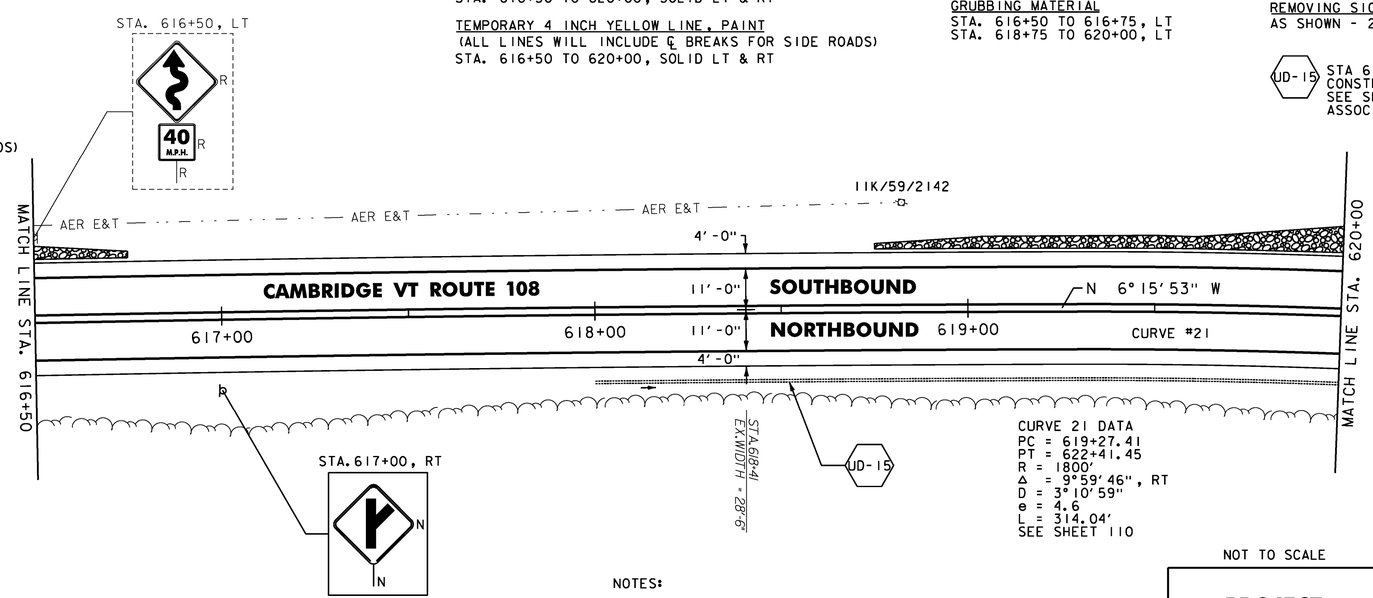
GRUBBING MATERIAL
STA. 616+50 TO 616+75, LT
STA. 618+75 TO 620+00, LT

BARRIER FENCE
STA. 616+50 TO 620+00, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 2

UD-15 STA 618+00 TO 620+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.

VT STATE PLANE GRID N



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
8.	616+50 TO 620+00	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #14

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258114.i
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 40 OF 387

STONE FILL, TYPE I
STA. 620+00 TO 623+25, LT
STA. 622+07 TO 624+25, RT
STA. 623+75 TO 624+50, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 621+37, LT
STA. 621+39, LT
STA. 623+79, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 620+00 TO 624+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 620+00 TO 624+50, SOLID LT & RT
STA. 621+11, DOUBLE SOLID RT (ROBINSON RD, TH-11)

DURABLE 24 INCH STOP BAR
STA. 621+11, RT (ROBINSON RD, TH-11)

DURABLE LETTER OR SYMBOL
STA. 621+11, RT (ROBINSON RD, TH-11) "STOP"

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 620+00 TO 624+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 620+00 TO 624+50, SOLID LT & RT
STA. 621+11, DOUBLE SOLID RT (ROBINSON RD, TH-11)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 621+11, RT (ROBINSON RD, TH-11)

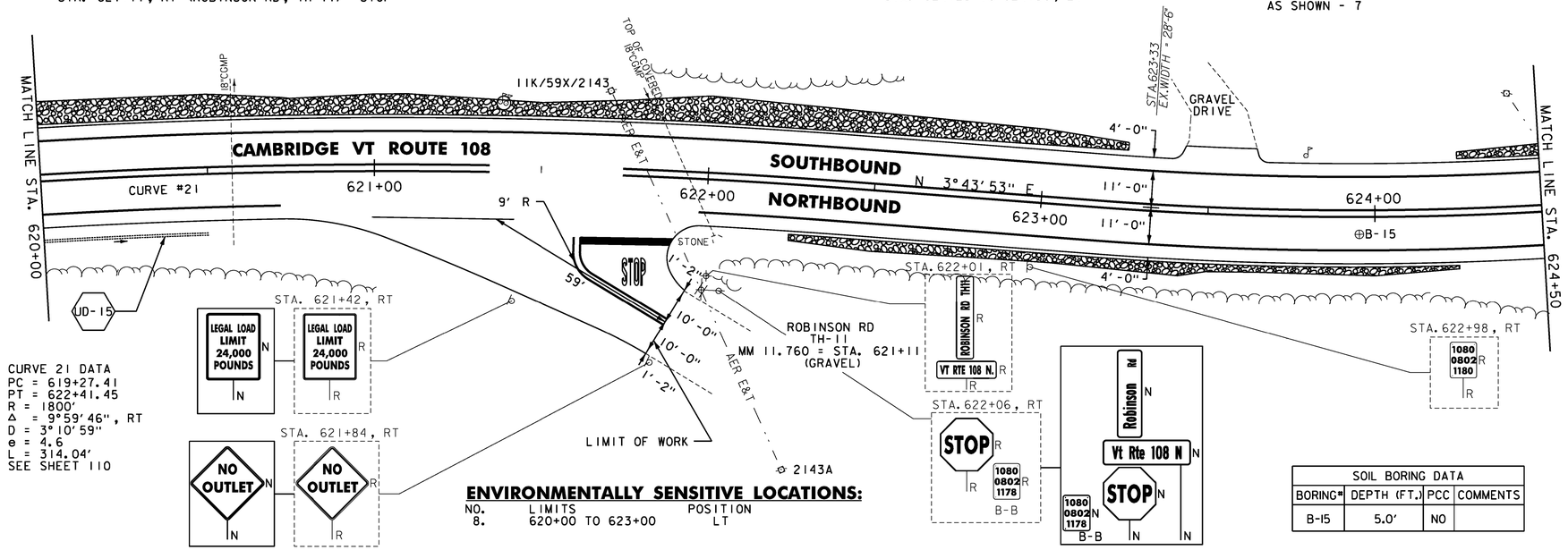
TEMPORARY LETTER OR SYMBOL, PAINT
STA. 621+11, RT (ROBINSON RD, TH-11) "STOP"

GEOTEXTILE UNDER STONE FILL
STA. 620+00 TO 623+25, LT
STA. 622+25 TO 624+25, RT
STA. 624+25 TO 624+50, LT

GRUBBING MATERIAL
STA. 620+00 TO 623+25, LT
STA. 622+25 TO 624+25, RT
STA. 624+25 TO 624+50, LT

BARRIER FENCE
STA. 620+00 TO 623+00, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 7



CURVE 21 DATA
PC = 619+27.41
PT = 622+41.45
R = 1800'
Δ = 9°59'46", RT
D = 3°10'59"
e = 4.6
L = 314.04'
SEE SHEET 110

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
8.	620+00 TO 623+00	LT

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-15	5.0'	NO	

STONE FILL, TYPE I
STA. 625+75 TO 628+25, RT
STA. 628+75 TO 629+50, RT OMIT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 624+79, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 624+50 TO 629+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 624+50 TO 629+50, SOLID LT & RT

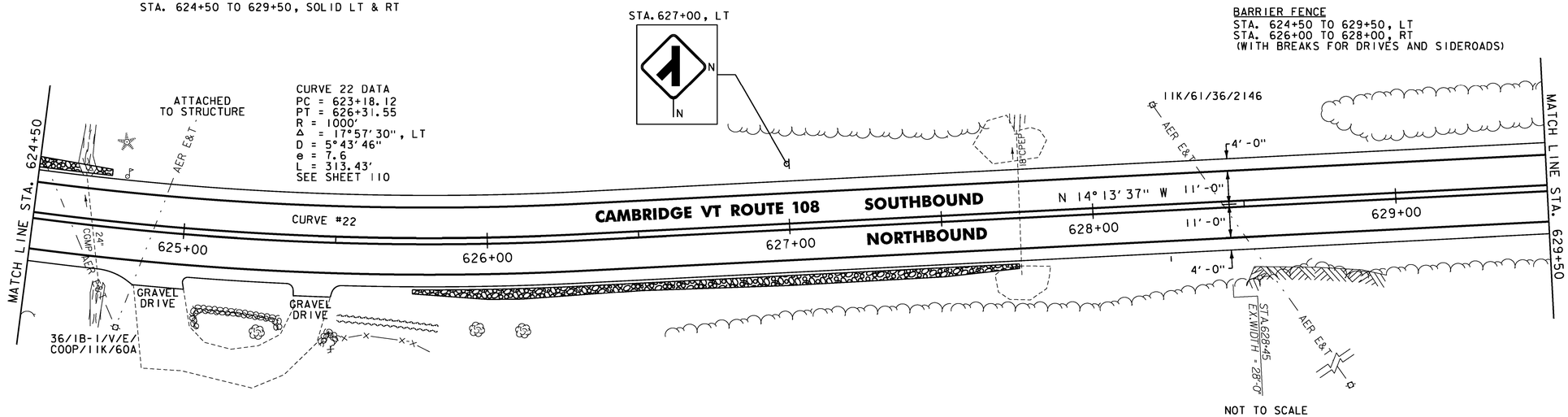
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 624+50 TO 629+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 624+50 TO 629+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 625+50 TO 624+75, LT
STA. 625+75 TO 627+75, RT

GRUBBING MATERIAL
STA. 625+50 TO 624+75, LT
STA. 625+75 TO 627+75, RT

BARRIER FENCE
STA. 624+50 TO 629+50, LT
STA. 626+00 TO 628+00, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)



NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
9.	624+50 TO 629+50	LT
10.	626+00 TO 628+00	RT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #15

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258115.i
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 41 OF 387

STONE FILL, TYPE I
STA. 629+50 TO 630+25, RT OMIT
STA. 629+75 TO 634+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 629+50 TO 634+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 629+50 TO 634+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 629+50 TO 634+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 629+50 TO 634+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 629+75 TO 634+50, LT

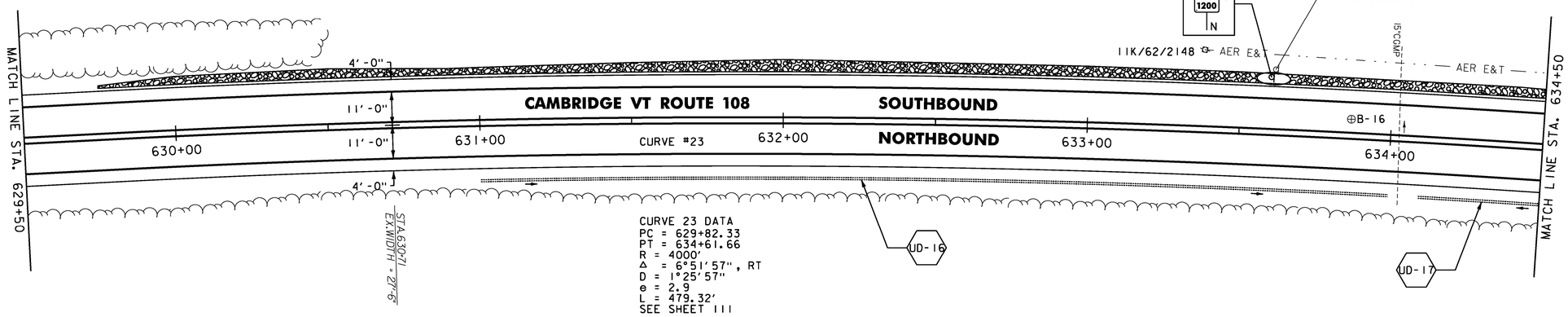
GRUBBING MATERIAL
STA. 629+75 TO 634+50, LT

BARRIER FENCE
STA. 629+50 TO 634+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1

UD-16 STA 631+00 TO 634+00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE,
SEE SHEET 18 FOR DETAIL AND
ASSOCIATED QUANTITIES.

UD-17 STA 634+10 TO 636+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE,
SEE SHEET 18 FOR DETAIL AND
ASSOCIATED QUANTITIES.



CURVE 23 DATA
PC = 629+82.33
PT = 634+61.66
R = 4000'
Δ = 6°51'57", RT
D = 1°25'57"
e = 2.9
L = 479.32'
SEE SHEET 111

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
9.	629+50 TO 634+50	LT

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-16	5.0'	NO	

STONE FILL, TYPE I
STA. 634+50 TO 635+25, LT
STA. 636+75 TO 638+25, LT
STA. 638+75 TO 639+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 634+50 TO 639+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 634+50 TO 639+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 634+50 TO 639+50, SOLID LT & RT

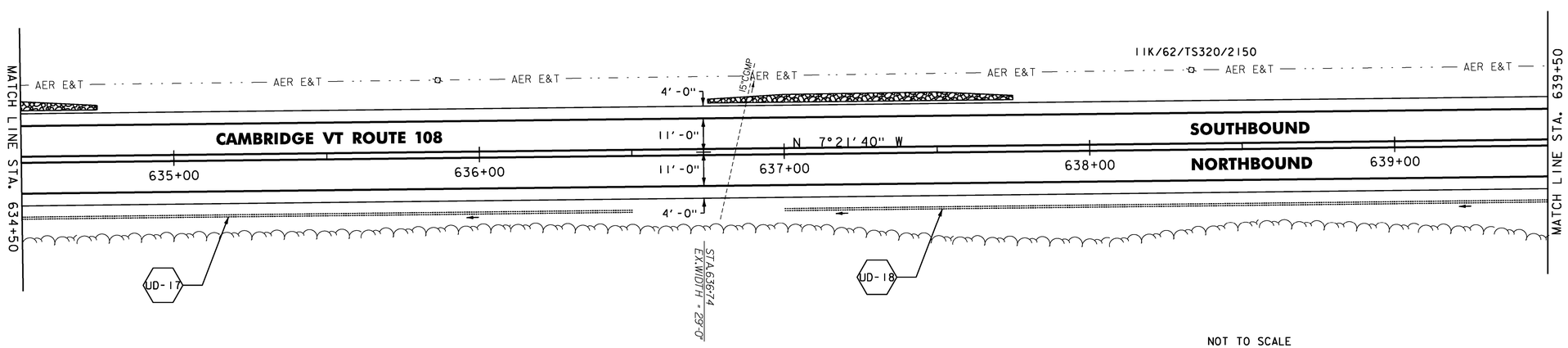
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 634+50 TO 639+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 634+50 TO 634+75, LT
STA. 636+75 TO 637+75, LT

GRUBBING MATERIAL
STA. 634+50 TO 634+75, LT
STA. 636+75 TO 637+75, LT

BARRIER FENCE
STA. 634+50 TO 639+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

UD-18 STA 637+00 TO 639+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE,
SEE SHEET 18 FOR DETAIL AND
ASSOCIATED QUANTITIES.



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
9.	634+50 TO 639+50	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #16

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258116.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 42 OF 387

STONE FILL, TYPE I
STA. 639+50 TO 640+75, LT
STA. 642+75 TO 644+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 639+50 TO 644+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 639+50 TO 644+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 639+50 TO 644+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 639+50 TO 644+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 642+75 TO 643+75, LT
STA. 644+25 TO 644+50, LT

GRUBBING MATERIAL
STA. 642+75 TO 643+75, LT
STA. 644+25 TO 644+50, LT

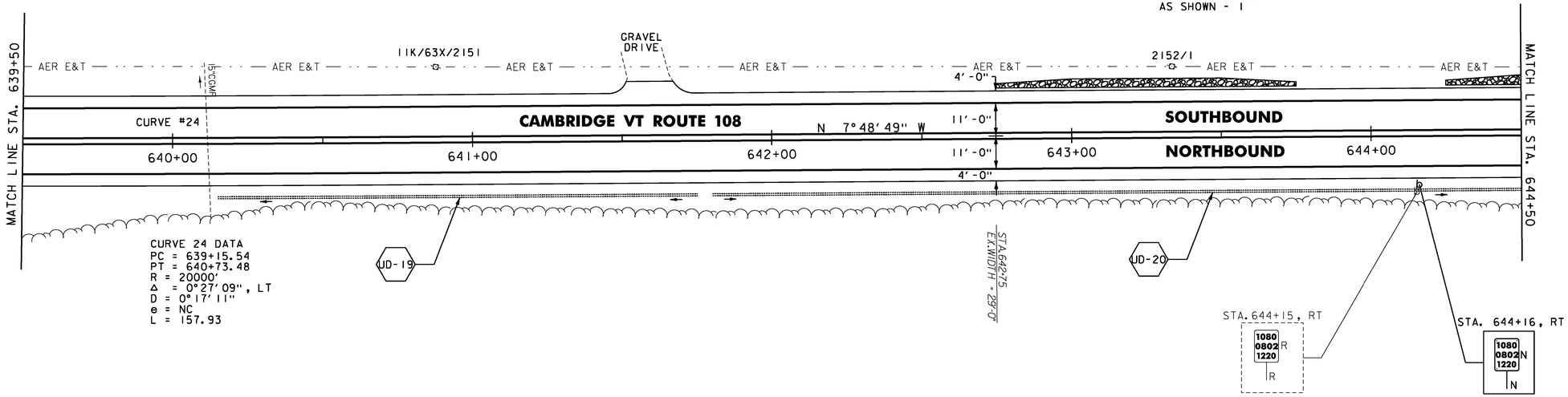
BARRIER FENCE
STA. 639+50 TO 641+00, LT
STA. 644+00 TO 644+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

UD-19 STA 640+15 TO 641+75, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.

UD-20 STA 641+80 TO 645+00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.

REMOVING SIGNS
AS SHOWN - 1

VT STATE PLANE GRID N



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
9.	639+50 TO 641+00	LT
11.	644+00 TO 644+50	LT

STONE FILL, TYPE I
STA. 644+50 TO 648+13, LT
STA. ~~645+55~~ TO 646+13, RT 645+82
STA. 648+75 TO 649+50, RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 648+15, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 644+50 TO 649+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 644+50 TO 649+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 644+50 TO 649+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 644+50 TO 649+50, SOLID LT & RT

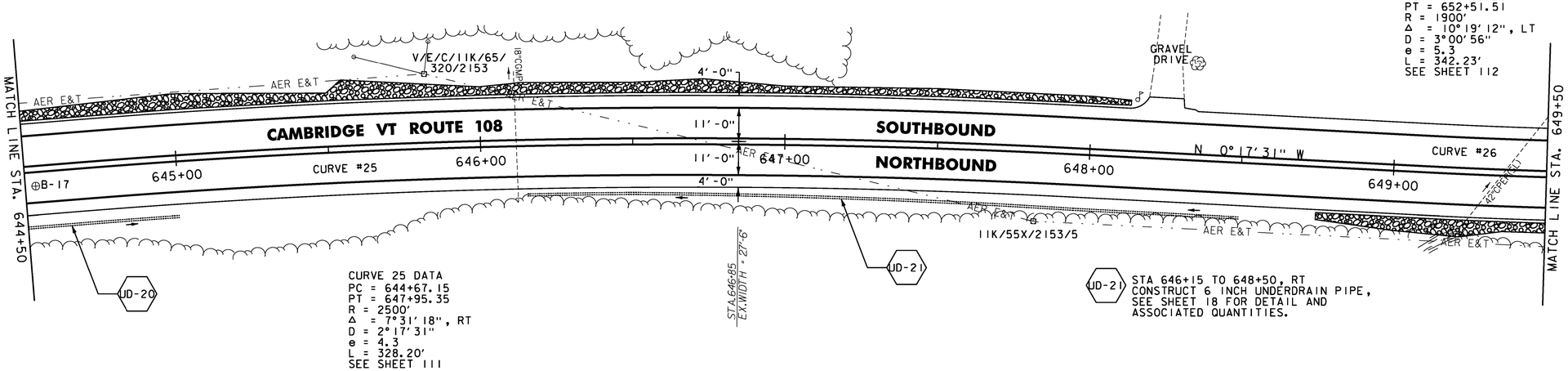
GEOTEXTILE UNDER STONE FILL
STA. 644+50 TO 648+13, LT
STA. 648+75 TO 649+50, RT

GRUBBING MATERIAL
STA. 644+50 TO 648+13, LT
STA. 648+75 TO 649+50, RT

BARRIER FENCE
STA. 644+50 TO 646+00, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

VT STATE PLANE GRID N

CURVE 26 DATA
PC = 649+09.29
PT = 652+51.51
R = 1900'
Δ = 10° 19' 12", LT
D = 3° 00' 56"
e = 5.3
L = 342.23'
SEE SHEET 112



NOT TO SCALE

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-17	5.0'	NO	

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
11.	644+50 TO 646+00	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #17

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258117.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 43 OF 387

STONE FILL, TYPE I
STA. 649+50 TO 653+75, RT
STA. 654+00 TO 654+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 649+50 TO 654+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 649+50 TO 651+82, SOLID LT & RT
STA. 651+82 TO 654+50, SOLID LT, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 649+50 TO 654+50, SOLID LT & RT

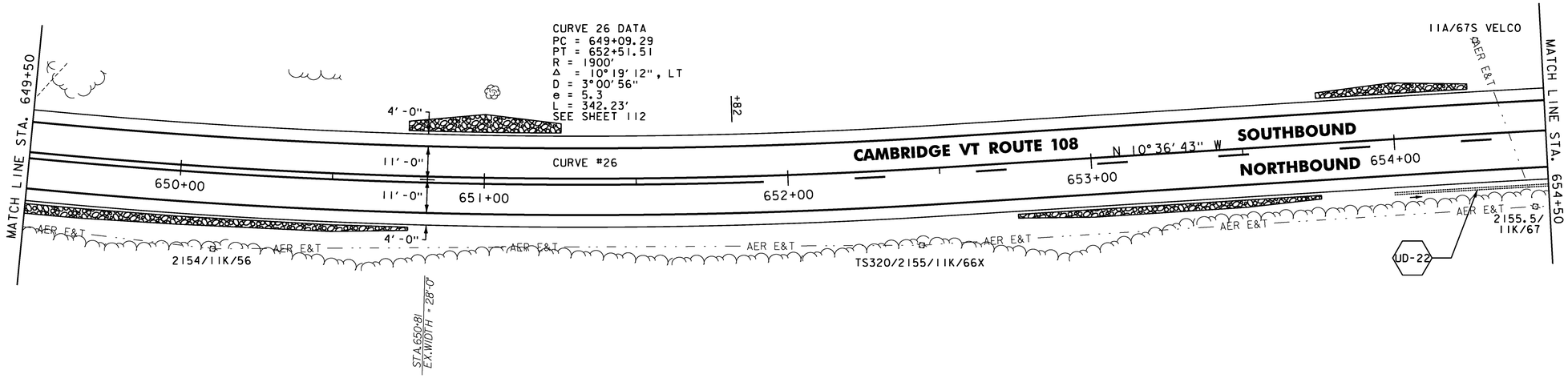
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 649+50 TO 651+82, SOLID LT & RT
STA. 651+82 TO 654+50, SOLID LT, DASHED RT

GEOTEXTILE UNDER STONE FILL
STA. 649+50 TO 650+75, RT
STA. 650+75 TO 651+25, LT
STA. 652+75 TO 653+75, RT
STA. 653+75 TO 654+25, LT

GRUBBING MATERIAL
STA. 649+50 TO 650+75, RT
STA. 650+75 TO 651+25, LT
STA. 652+75 TO 653+75, RT
STA. 653+75 TO 654+25, LT

UD-22 STA 654+00 TO 656+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.

VT STATE PLANE GRID N



STONE FILL, TYPE I
STA. 654+50 TO 656+33, LT
STA. 656+10 TO 659+50, RT
STA. 659+00 TO 659+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 654+50 TO 659+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 654+50 TO 659+50, SOLID LT, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 654+50 TO 659+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 654+50 TO 659+50, SOLID LT, DASHED RT

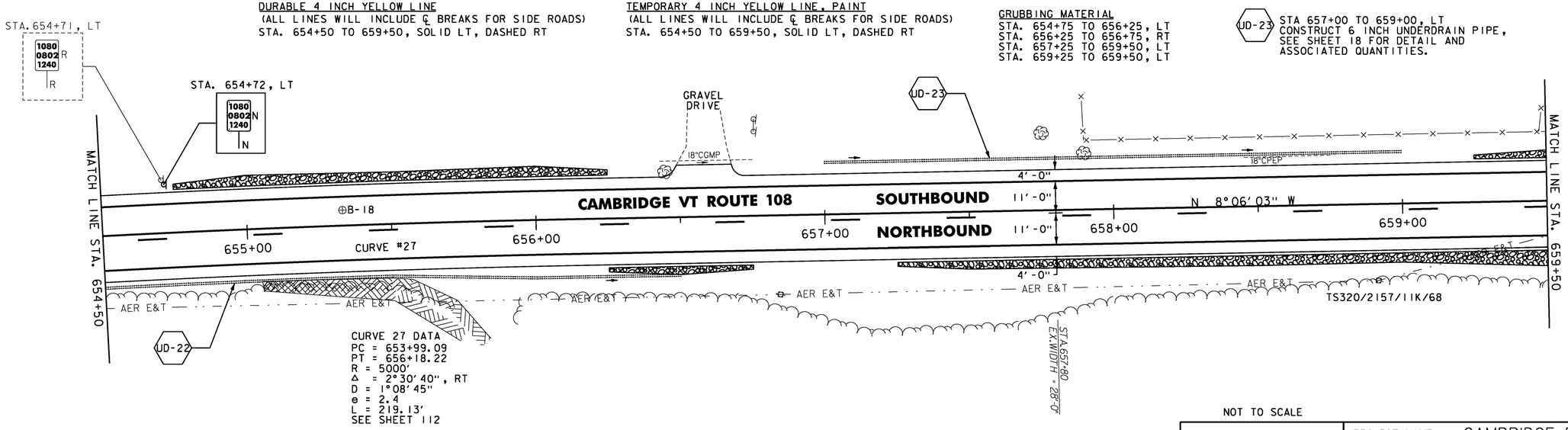
GEOTEXTILE UNDER STONE FILL
STA. 654+75 TO 656+25, LT
STA. 656+25 TO 656+75, RT
STA. 657+25 TO 659+50, LT
STA. 659+25 TO 659+50, LT

GRUBBING MATERIAL
STA. 654+75 TO 656+25, LT
STA. 656+25 TO 656+75, RT
STA. 657+25 TO 659+50, LT
STA. 659+25 TO 659+50, LT

REMOVING SIGNS
AS SHOWN - 1

UD-23 STA 657+00 TO 659+00, LT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.

VT STATE PLANE GRID N



NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-18	5.0'	NO	

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #18

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258118.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 44 OF 387

STONE FILL, TYPE I
STA. 659+50 TO 663+25, LT
STA. 659+50 TO 660+25, RT
STA. 661+25 TO 663+50, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 659+50 TO 664+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 659+50 TO 659+74, SOLID LT, DASHED RT
STA. 659+74 TO 660+00, DASHED ℄
STA. 660+00 TO 664+50, DASHED LT, SOLID RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 659+50 TO 664+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 659+50 TO 659+74, SOLID LT, DASHED RT
STA. 659+74 TO 660+00, DASHED ℄
STA. 660+00 TO 664+50, DASHED LT, SOLID RT

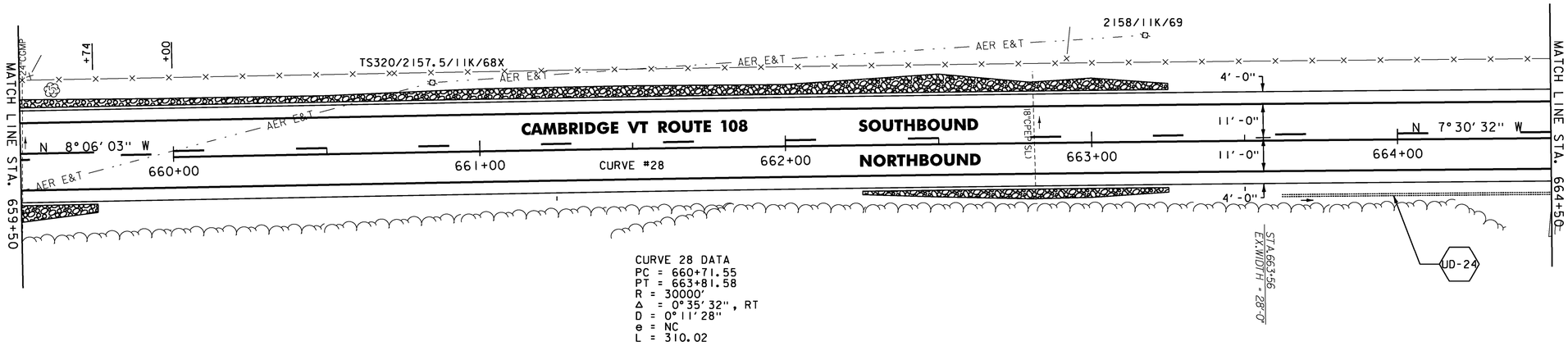
GEOTEXTILE UNDER STONE FILL
STA. 659+50 TO 659+75, RT
STA. 659+50 TO 663+25, LT
STA. 662+25 TO 663+25, RT

GRUBBING MATERIAL
STA. 659+50 TO 659+75, RT
STA. 659+50 TO 663+25, LT
STA. 662+25 TO 663+25, RT

BARRIER FENCE
STA. 660+00 TO 664+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

UD-24 STA 663+62 TO 665+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.

VT STATE PLANE GRID N



CURVE 28 DATA
PC = 660+71.55
PT = 663+81.58
R = 30000'
Δ = 0°35'32", RT
D = 0°11'28"
e = NC
L = 310.02

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
12.	660+00 TO 664+50	LT

665+67 TO 667+00 OMIT

STONE FILL, TYPE I
STA. ~~665+25 TO 667+75~~, RT
STA. 668+40 TO 669+50, LT
STA. 668+75 TO 669+50, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 664+50 TO 669+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 664+50 TO 667+92, DASHED LT, SOLID RT
STA. 667+92 TO 669+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 664+50 TO 669+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 664+50 TO 667+92, DASHED LT, SOLID RT
STA. 667+92 TO 669+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 665+25 TO 667+75, RT
STA. 668+75 TO 669+50, LT
STA. 668+75 TO 669+50, RT

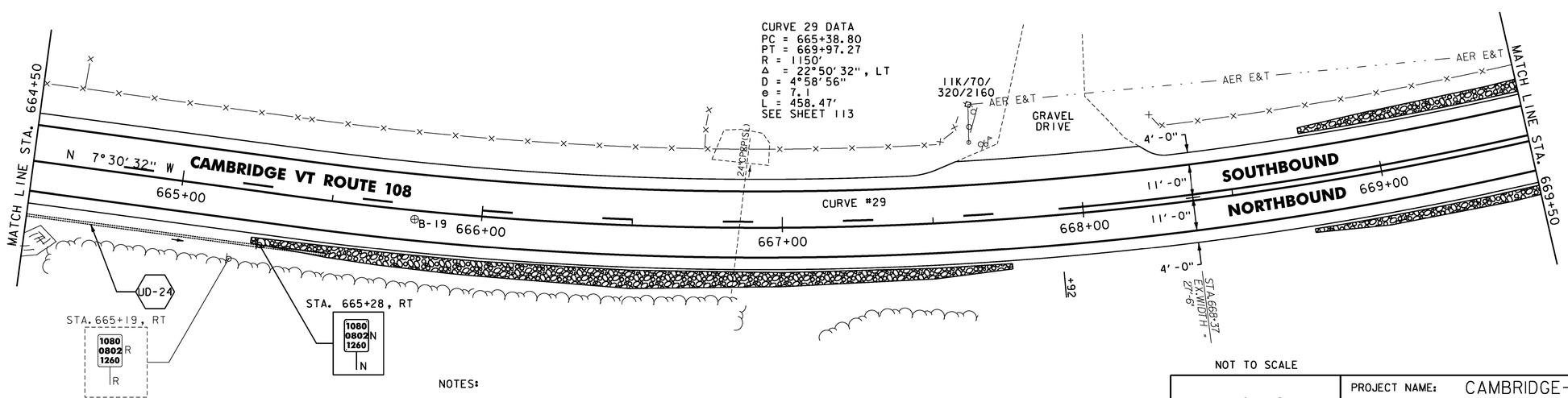
GRUBBING MATERIAL
STA. 665+25 TO 667+75, RT
STA. 668+75 TO 669+50, LT
STA. 668+75 TO 669+50, RT

BARRIER FENCE
STA. 664+50 TO 667+00, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1

VT STATE PLANE GRID N

CURVE 29 DATA
PC = 665+38.80
PT = 669+97.27
R = 1150'
Δ = 22°50'32", LT
D = 4°58'56"
e = 7.1
L = 458.47'
SEE SHEET 113



NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
12.	664+50 TO 667+00	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

SOIL BORING DATA

BORING#	DEPTH (FT.)	PCC	COMMENTS
B-19	5.0'	NO	

Stantec

PROJECT LAYOUT SHEET #19

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258119.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 45 OF 387

STONE FILL, TYPE I
STA. 669+50 TO 670+25, LT
STA. 669+50 TO 669+75, RT
STA. 670+75 TO 674+50, LT
STA. 671+75 TO 673+25, RT
STA. 674+36 TO 674+50, RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 670+40, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 669+50 TO 674+50, SOLID LT & RT

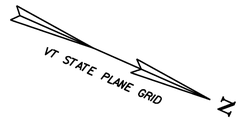
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 669+50 TO 674+50, SOLID LT & RT

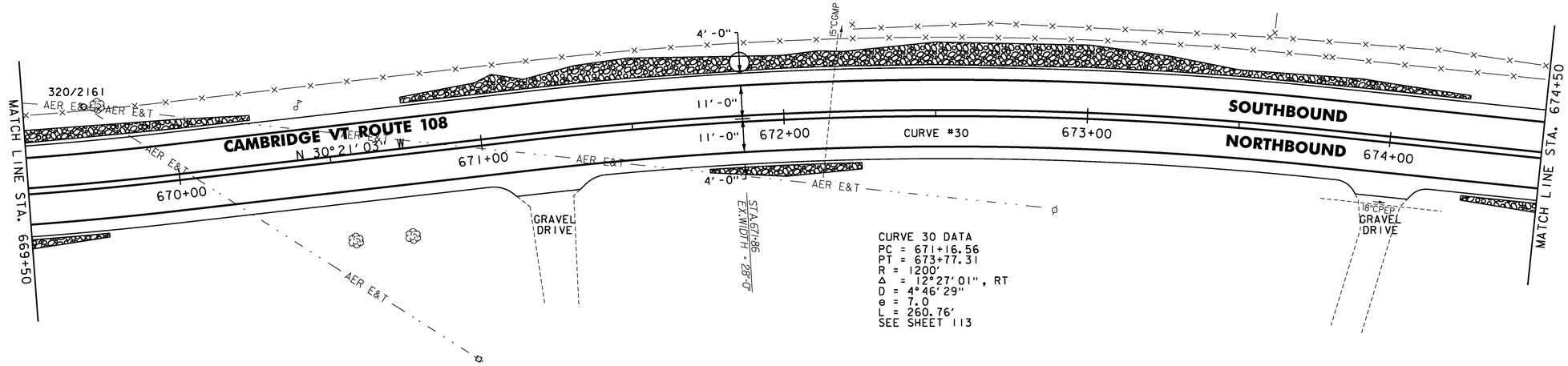
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 669+50 TO 674+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 669+50 TO 674+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 669+50 TO 669+75, RT
STA. 669+50 TO 670+25, LT
STA. 670+75 TO 674+25, LT
STA. 671+75 TO 672+25, RT
STA. 674+25 TO 674+50, RT

GRUBBING MATERIAL
STA. 669+50 TO 669+75, RT
STA. 669+50 TO 670+25, LT
STA. 670+75 TO 674+25, LT
STA. 671+75 TO 672+25, RT
STA. 674+25 TO 674+50, RT





STONE FILL, TYPE I
STA. 674+50 TO 674+80, RT
STA. 675+75 TO 676+25, RT
STA. 676+75 TO 678+25, RT
STA. 678+25 TO 679+50, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 675+01, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 674+50 TO 679+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 674+50 TO 679+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 674+50 TO 679+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 674+50 TO 679+50, SOLID LT & RT

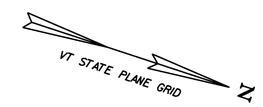
GEOTEXTILE UNDER STONE FILL
STA. 674+50 TO 674+75, RT
STA. 675+75 TO 676+25, RT
STA. 677+75 TO 678+25, RT
STA. 678+25 TO 679+50, LT

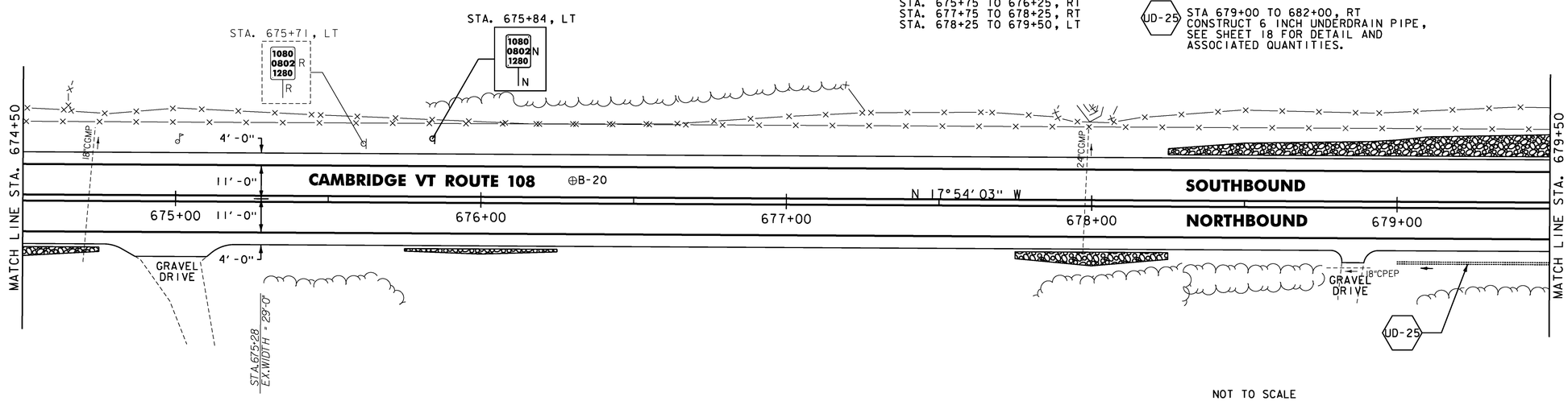
GRUBBING MATERIAL
STA. 674+50 TO 674+75, RT
STA. 675+75 TO 676+25, RT
STA. 677+75 TO 678+25, RT
STA. 678+25 TO 679+50, LT

BARRIER FENCE
STA. 675+00 TO 679+50, LT
STA. 675+00 TO 679+50, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1

UD-25 STA 679+00 TO 682+00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.





NOT TO SCALE

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-20	5.0'	NO	WATER @ 3.0'

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
13.	675+00 TO 679+50	LT
14.	675+00 TO 679+50	RT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #20

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258120.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 46 OF 387

STONE FILL, TYPE I
STA. 679+50 TO 681+00, LT
STA. 681+66 TO 684+50, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 682+32, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 679+50 TO 684+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 679+50 TO 684+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 679+50 TO 684+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 679+50 TO 684+50, SOLID LT & RT

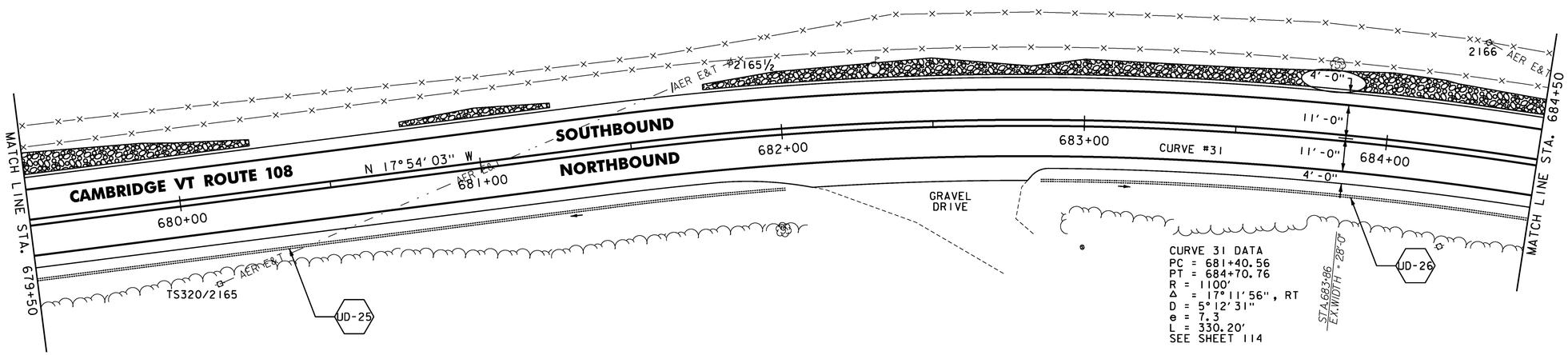
GEOTEXTILE UNDER STONE FILL
STA. 679+50 TO 680+25, LT
STA. 680+75 TO 681+25, LT
STA. 681+75 TO 684+50, LT

GRUBBING MATERIAL
STA. 679+50 TO 680+25, LT
STA. 680+75 TO 681+25, LT
STA. 681+75 TO 684+50, LT

BARRIER FENCE
STA. 679+50 TO 680+00, LT
STA. 679+50 TO 680+00, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

UD-26 STA 682+86 TO 687+00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.

VT STATE PLANE GRID N



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
13.	679+50 TO 680+00	LT
14.	679+50 TO 680+00	RT

STONE FILL, TYPE I
STA. 684+50 TO 684+75, LT
STA. 687+00 TO 689+50, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 684+50 TO 689+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 684+50 TO 689+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 684+50 TO 689+50, SOLID LT & RT

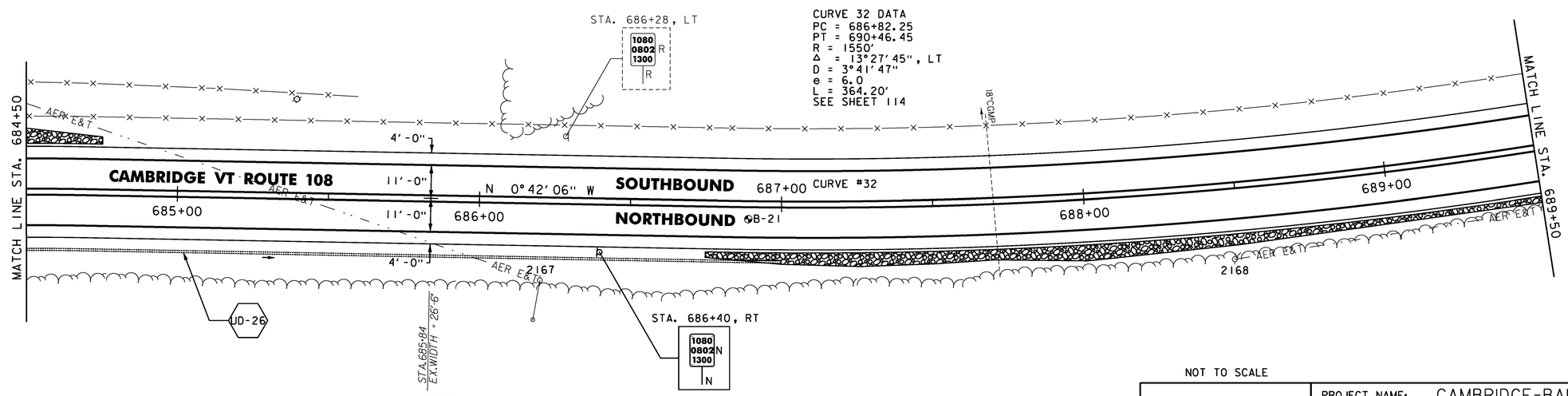
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 684+50 TO 689+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 684+50 TO 684+75, LT
STA. 686+75 TO 689+50, RT

GRUBBING MATERIAL
STA. 684+50 TO 684+75, LT
STA. 686+75 TO 689+50, RT

REMOVING SIGNS
AS SHOWN - 1

VT STATE PLANE GRID N



NOT TO SCALE

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-21	5.0'	NO	

Stantec

PROJECT LAYOUT SHEET #21

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l21.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 47 OF 387

STONE FILL, TYPE I
STA. 689+50 TO 690+00, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
CAMBRIDGE STA. 689+50 TO STA. 693+84.48 SOLID LT & RT
FLETCHER STA. 0+00 TO STA. 0+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
CAMBRIDGE STA. 689+50 TO STA. 693+84.48 SOLID LT & RT
FLETCHER STA. 0+00 TO STA. 0+50, SOLID LT & RT

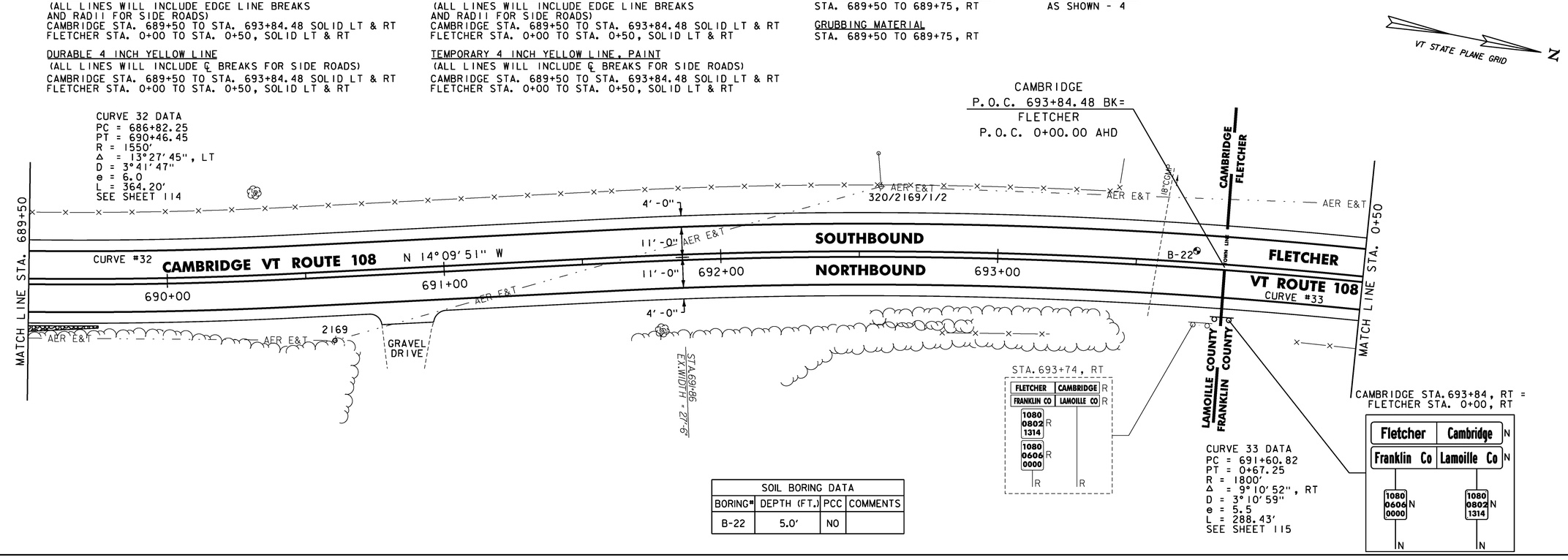
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
CAMBRIDGE STA. 689+50 TO STA. 693+84.48 SOLID LT & RT
FLETCHER STA. 0+00 TO STA. 0+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
CAMBRIDGE STA. 689+50 TO STA. 693+84.48 SOLID LT & RT
FLETCHER STA. 0+00 TO STA. 0+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 689+50 TO 689+75, RT

GRUBBING MATERIAL
STA. 689+50 TO 689+75, RT

REMOVING SIGNS
AS SHOWN - 4



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-22	5.0'	NO	

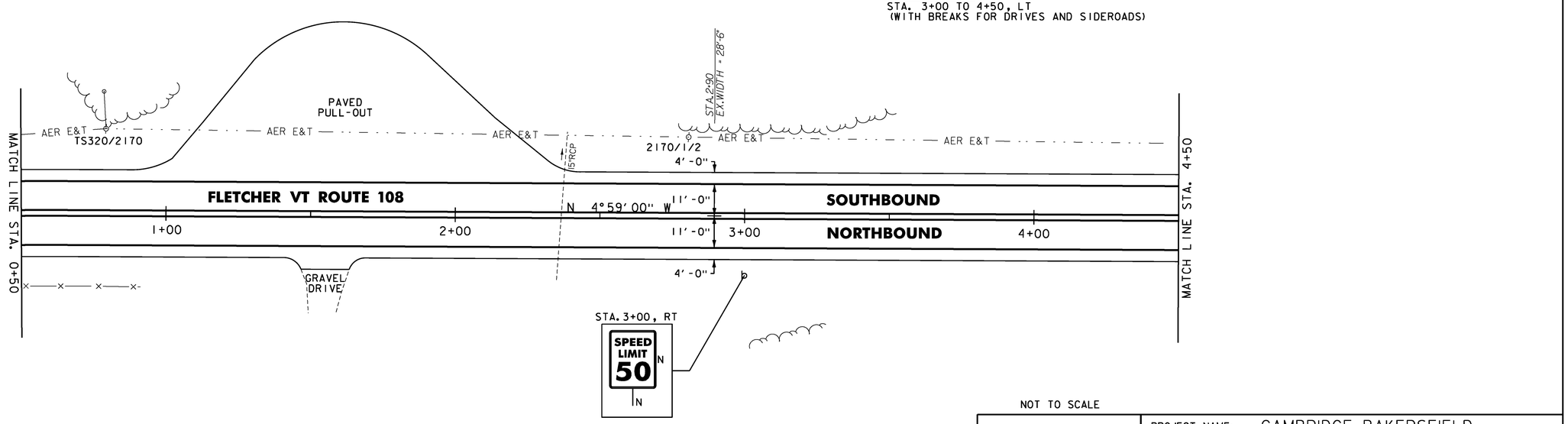
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
FLETCHER STA. 0+50 TO 4+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
FLETCHER STA. 0+50 TO 4+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
FLETCHER STA. 0+50 TO 4+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
FLETCHER STA. 0+50 TO 4+50, SOLID LT & RT

BARRIER FENCE
STA. 3+00 TO 4+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)



NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
15.	3+00 TO 4+50	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #22

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l22.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 48 OF 387

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 7+81, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 4+55.6 TO 4+93.1, RT
STA. 4+61.9 TO 4+99.4, LT
STA. 5+30.6 TO 5+68.1, RT
STA. 5+36.9 TO 5+86.9, LT

HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS
STA. 4+99.4 TO 5+36.9, LT
STA. 4+93.1 TO 5+30.6, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 4+55.6, RT
STA. 4+61.9, LT
STA. 5+68.1, RT
STA. 5+86.9, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 4+65.5 TO 5+64, RT
STA. 4+66.5 TO 5+67, LT

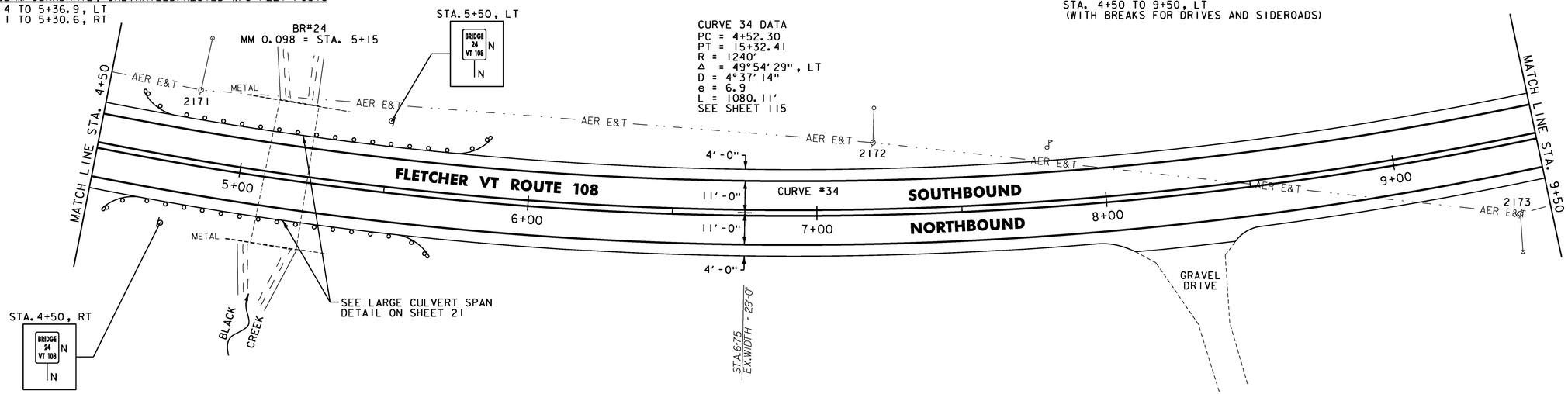
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 4+50 TO 9+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 4+50 TO 9+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 4+50 TO 9+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 4+50 TO 9+50, SOLID LT & RT

BARRIER FENCE
STA. 4+50 TO 9+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
15.	4+50 TO 9+50	LT

REMOVAL OF EXISTING BRIDGE RAILING
STA. 11+31.6 TO 11+56.6, LT
STA. 11+38.1 TO 11+63.1, RT

BRIDGE RAILING REPAIR, TYPE 1
~~STA. 11+31.6 TO 11+56.6, LT~~
~~STA. 11+38.1 TO 11+63.1, RT~~ OMIT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 10+69.1 TO 11+06.6, LT
STA. 10+75.6 TO 11+13.1, RT
STA. 11+81.6 TO 12+19.1, LT
STA. 11+88.1 TO 12+25.6, RT

HD STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 11+06.6 TO 11+31.6, LT
STA. 11+13.1 TO 11+38.1, RT
STA. 11+56.6 TO 11+81.6, LT
STA. 11+63.1 TO 11+88.1, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 10+69.1, LT
STA. 10+75.6, RT
STA. 12+19.1, LT
STA. 12+25.6, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 10+95.0 TO 11+31.6, LT
STA. 10+97.0 TO 11+38.1, RT
STA. 11+56.6 TO 11+99.0, LT
STA. 11+63.1 TO 11+98.0, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 9+50 TO 14+50, SOLID LT & RT

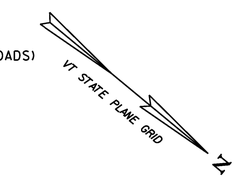
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 9+50 TO 13+20, SOLID LT & RT
STA. 13+20 TO 14+50, SOLID LT, DASHED RT

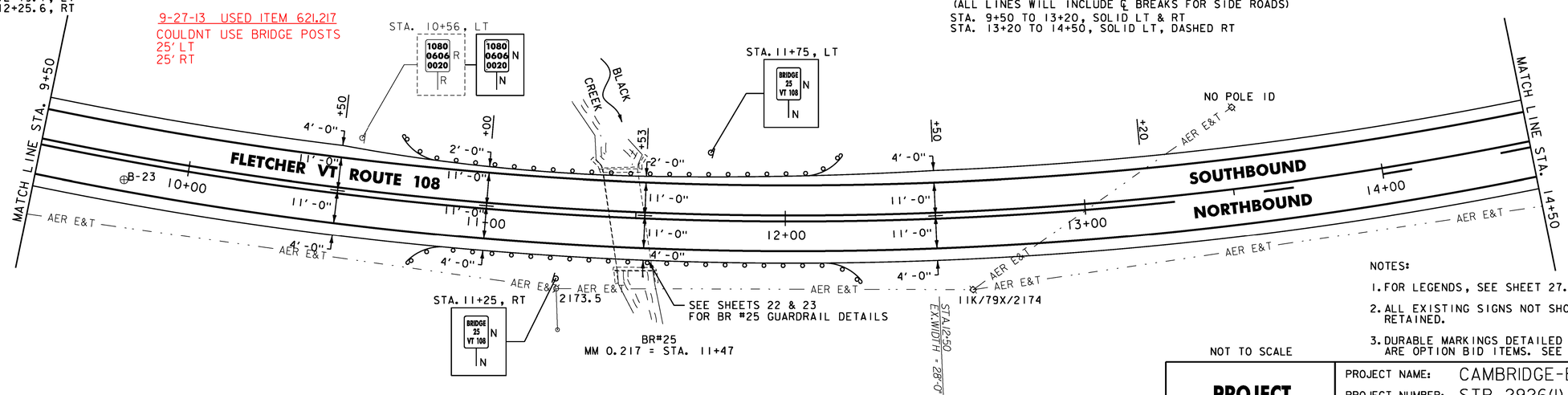
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 9+50 TO 14+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 9+50 TO 13+20, SOLID LT & RT
STA. 13+20 TO 14+50, SOLID LT, DASHED RT

BARRIER FENCE
STA. 9+50 TO 14+50, LT
STA. 11+00 TO 14+50, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1





ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
15.	9+50 TO 14+50	LT
16.	11+00 TO 14+50	RT

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-23	5.0'	NO	

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #23

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l23.i
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC

STONE FILL, TYPE I
STA. 18+19 TO 18+83, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 18+71, LT
STA. 18+75, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. ~~18+16.4~~ TO 19+00.0, LT 18+03.9

ANCHOR FOR STEEL BEAM RAIL
STA. 18+16.4, LT

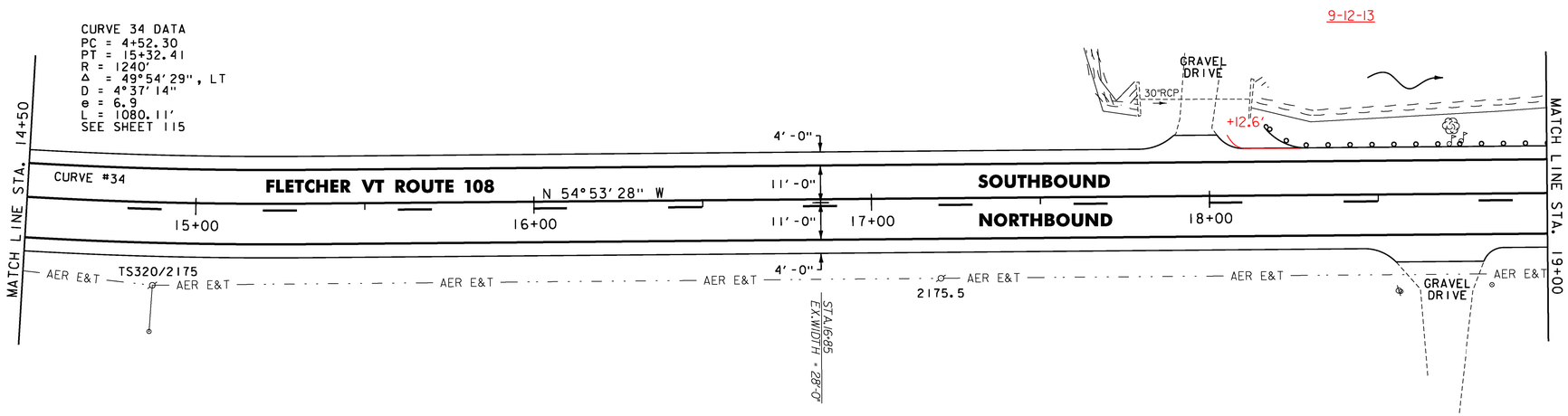
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 14+50 TO 19+00, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 14+50 TO 19+00, SOLID LT, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 14+50 TO 19+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 14+50 TO 19+00, SOLID LT, DASHED RT

BARRIER FENCE
STA. 14+50 TO 19+00, LT
STA. 14+50 TO 19+00, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
15.	14+50 TO 19+00	LT
16.	14+50 TO 19+00	RT

STONE FILL, TYPE I
STA. 19+25 TO 21+75, LT
STA. 23+25 TO 23+50, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 19+00 TO 22+41.4, LT
STA. 20+85.1 TO 22+35.1, RT
STA. 22+72.6 TO 23+50, RT
STA. 22+78.9 TO 23+50, LT

HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS
STA. 22+35.1 TO 22+72.6, RT
STA. 22+41.4 TO 22+78.9, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 20+85.1, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 19+33 TO 23+50, LT
STA. 20+95 TO 23+50, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 19+00 TO 23+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 19+00 TO 20+59, SOLID LT, DASHED RT
STA. 20+59 TO 21+65, DASHED ℄
STA. 21+65 TO 23+50, DASHED LT, SOLID RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 19+00 TO 23+50, SOLID LT & RT

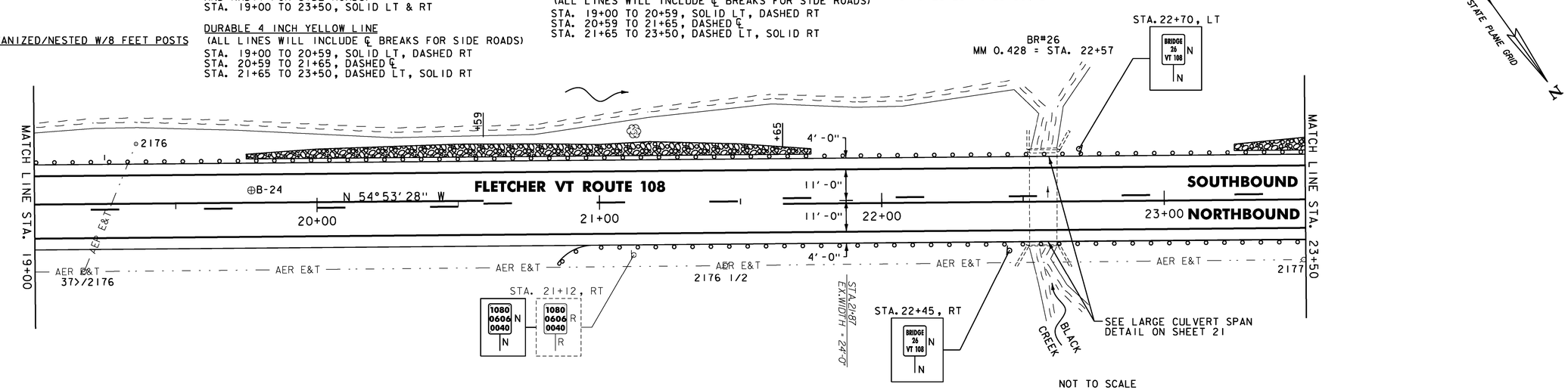
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 19+00 TO 20+59, SOLID LT, DASHED RT
STA. 20+59 TO 21+65, DASHED ℄
STA. 21+65 TO 23+50, DASHED LT, SOLID RT

GEOTEXTILE UNDER STONE FILL
STA. 19+75 TO 21+75, LT
STA. 23+25 TO 23+50, LT

GRUBBING MATERIAL
STA. 19+75 TO 21+75, LT
STA. 23+25 TO 23+50, LT

BARRIER FENCE
STA. 19+00 TO 23+50, LT
STA. 19+00 TO 23+50, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1



NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
15.	19+00 TO 23+50	LT
16.	19+00 TO 23+50	RT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

SOIL BORING DATA

BORING#	DEPTH (FT.)	PCC	COMMENTS
B-24	5.0'	NO	

Stantec

PROJECT LAYOUT SHEET #24

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l24.i
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 50 OF 387

STONE FILL, TYPE I
STA. 23+50 TO 27+25, LT
STA. 24+25 TO 25+25, RT
STA. 25+75 TO 26+25, RT
~~STA. 26+72 TO 28+25, RT~~ OMIT
STA. 28+25 TO 28+50, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 23+50 TO 26+35.1, RT
STA. 23+50 TO 28+50, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 26+35.1, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 23+50 TO 26+34, RT
STA. 23+50 TO 28+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 23+50 TO 28+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 23+50 TO 28+50, DASHED LT, SOLID RT

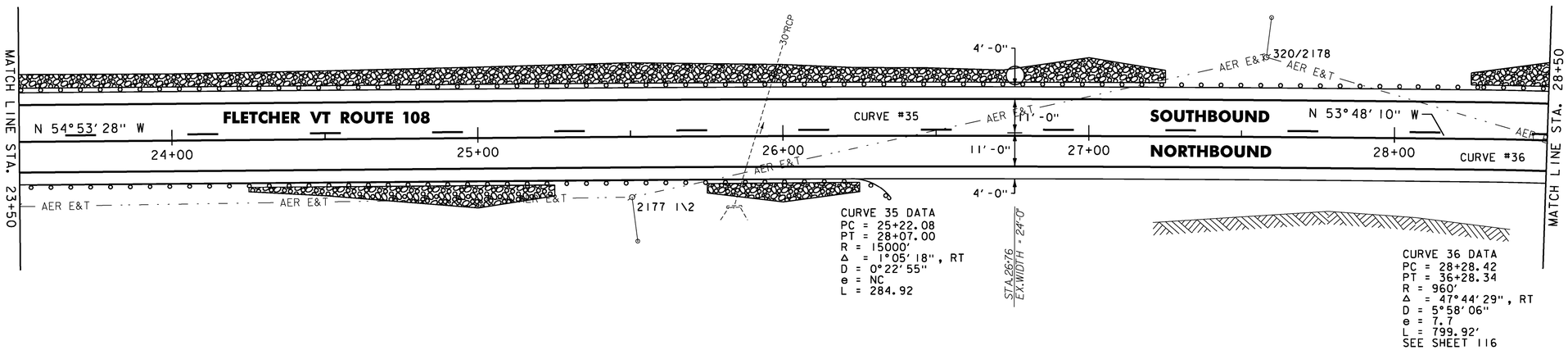
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 23+50 TO 28+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 23+50 TO 28+50, DASHED LT, SOLID RT

GEOTEXTILE UNDER STONE FILL
STA. 23+50 TO 27+25, LT
STA. 24+25 TO 25+25, RT
STA. 25+75 TO 26+25, RT
STA. 28+25 TO 28+50, LT

GRUBBING MATERIAL
STA. 23+50 TO 27+25, LT
STA. 24+25 TO 25+25, RT
STA. 25+75 TO 26+25, RT
STA. 28+25 TO 28+50, LT

BARRIER FENCE
STA. 23+50 TO 28+50, LT
STA. 23+50 TO 28+50, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)



NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
15.	23+50 TO 28+50	LT
16.	23+50 TO 28+50	RT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #25

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l25.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 51 OF 387

STONE FILL, TYPE I
STA. 28+50 TO 33+50, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 28+50 TO 33+50, LT
STA. 30+68 TO 31+30.5, RT
STA. 31+55.5 TO 31+93, RT

HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS
STA. 31+30.5 TO 31+55.5, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 30+68, RT
STA. 31+93, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 28+50 TO 33+50, LT
STA. 30+77.5 TO 31+79, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 28+50 TO 33+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 28+50 TO 29+57, DASHED LT, SOLID RT
STA. 29+57 TO 33+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 28+50 TO 33+50, SOLID LT & RT

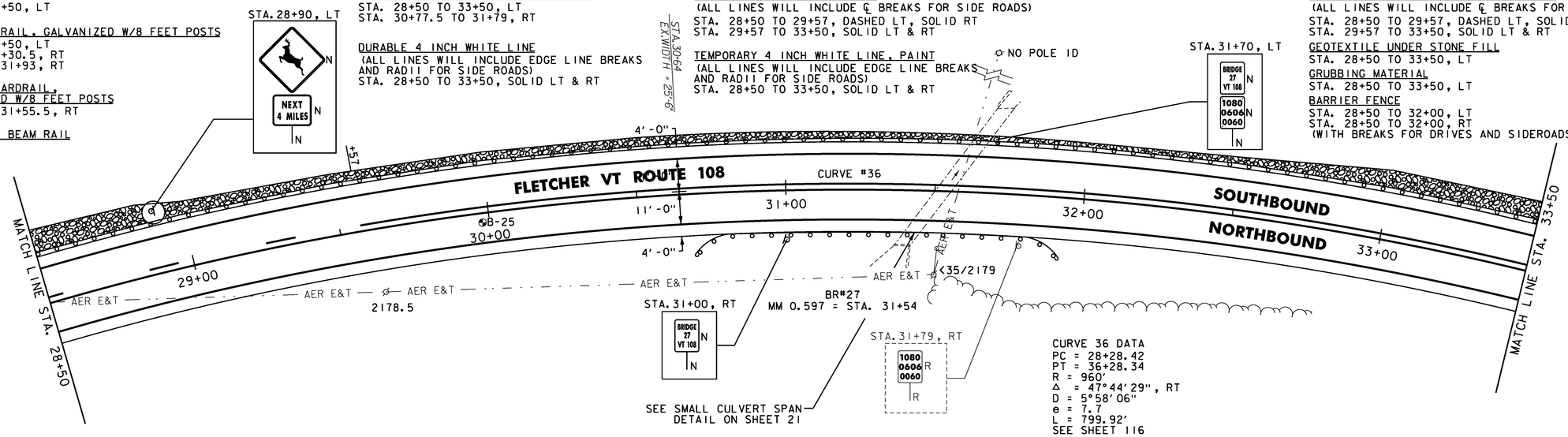
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 28+50 TO 29+57, DASHED LT, SOLID RT
STA. 29+57 TO 33+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 28+50 TO 33+50, LT

GRUBBING MATERIAL
STA. 28+50 TO 33+50, LT

BARRIER FENCE
STA. 28+50 TO 32+00, LT
STA. 28+50 TO 32+00, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
15.	28+50 TO 32+00	LT
16.	28+50 TO 32+00	RT

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-25	5.0'	NO	

STONE FILL, TYPE I
STA. 33+50 TO 36+50, LT
STA. 34+75 TO 36+50, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 33+50 TO 36+50, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 33+50 TO 36+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 33+50 TO 36+50, SOLID LT & RT

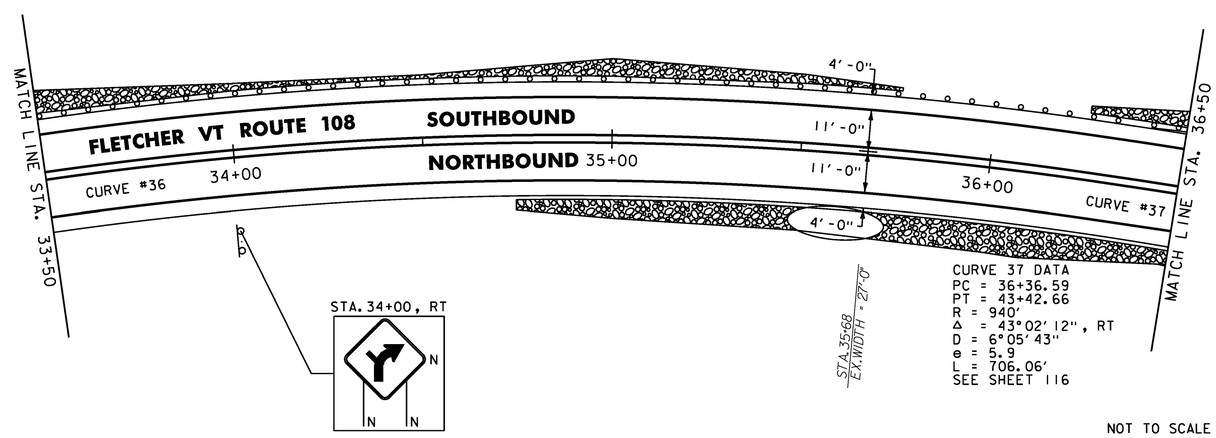
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 33+50 TO 36+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 33+50 TO 36+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 33+50 TO 36+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 33+50 TO 35+75, LT
STA. 34+75 TO 36+50, RT
STA. 36+25 TO 36+50, LT

GRUBBING MATERIAL
STA. 33+50 TO 35+75, LT
STA. 34+75 TO 36+50, RT
STA. 36+25 TO 36+50, LT



NOT TO SCALE

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #26

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l26.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 52 OF 387

STONE FILL, TYPE I
STA. 36+50 TO 36+75, LT
STA. 36+50 TO 38+27, RT
STA. 40+75 TO 41+25, RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 39+30, RT
STA. 41+36, LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 37+75.5 TO 39+13, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 36+50 TO 37+03.9, LT
STA. 39+28 TO 41+28, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 37+03.9, LT
STA. 37+75.5, LT
STA. 39+13, LT
STA. 39+28, LT
STA. 41+28, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 36+50 TO 37+07.7, LT
STA. 37+78 TO 39+10, LT
STA. 39+28 TO 41+25, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 36+50 TO 41+50, SOLID LT & RT
STA. 38+50, SOLID LT (EDGELINES, WILSON RD, TH-25)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 36+50 TO 41+50, SOLID LT & RT
STA. 38+50, DOUBLE SOLID LT (WILSON RD, TH-25)

DURABLE 24 INCH STOP BAR
STA. 38+50, LT (WILSON RD, TH-25)

DURABLE LETTER OR SYMBOL
STA. 38+50, LT (WILSON RD, TH-25) "STOP"

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 36+50 TO 41+50, SOLID LT & RT
STA. 38+50, SOLID LT (EDGELINES, WILSON RD, TH-25)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 36+50 TO 41+50, SOLID LT & RT
STA. 38+50, DOUBLE SOLID LT (WILSON RD, TH-25)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 38+50, LT (WILSON RD, TH-25)

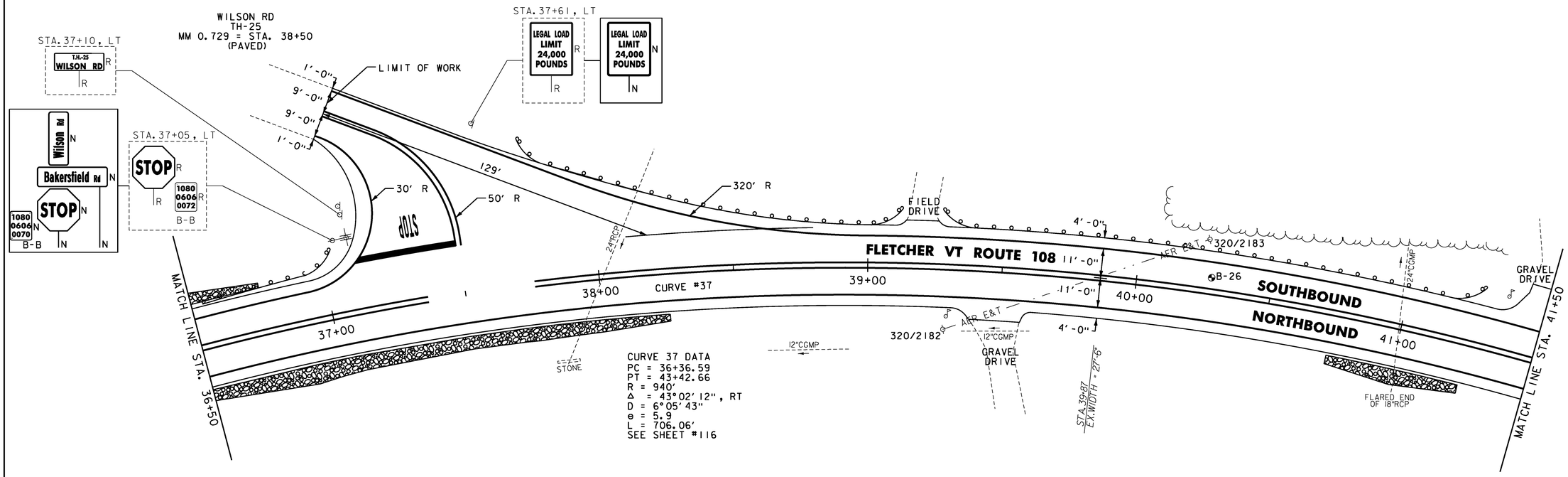
TEMPORARY LETTER OR SYMBOL, PAINT
STA. 38+50, LT (WILSON RD, TH-25) "STOP"

GEOTEXTILE UNDER STONE FILL
STA. 36+50 TO 36+75, LT
STA. 36+50 TO 38+25, RT
STA. 40+75 TO 41+25, RT

GRUBBING MATERIAL
STA. 36+50 TO 36+75, LT
STA. 36+50 TO 38+25, RT
STA. 40+75 TO 41+25, RT

BARRIER FENCE
STA. 39+00 TO 41+00, LT
STA. 40+00 TO 41+50, RT

REMOVING SIGNS
AS SHOWN - 4



NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
17.	39+00 TO 41+00	LT
18.	40+00 TO 41+50	RT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

SOIL BORING DATA

BORING#	DEPTH (FT.)	PCC	COMMENTS
B-26	5.0'	NO	

Stantec

PROJECT LAYOUT SHEET #27

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l27.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 53 OF 387

STONE FILL, TYPE I
STA. 46+20 TO 46+50, LT
STA. 46+20 TO 46+50, RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 43+60, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 41+50 TO 46+50, SOLID LT & RT

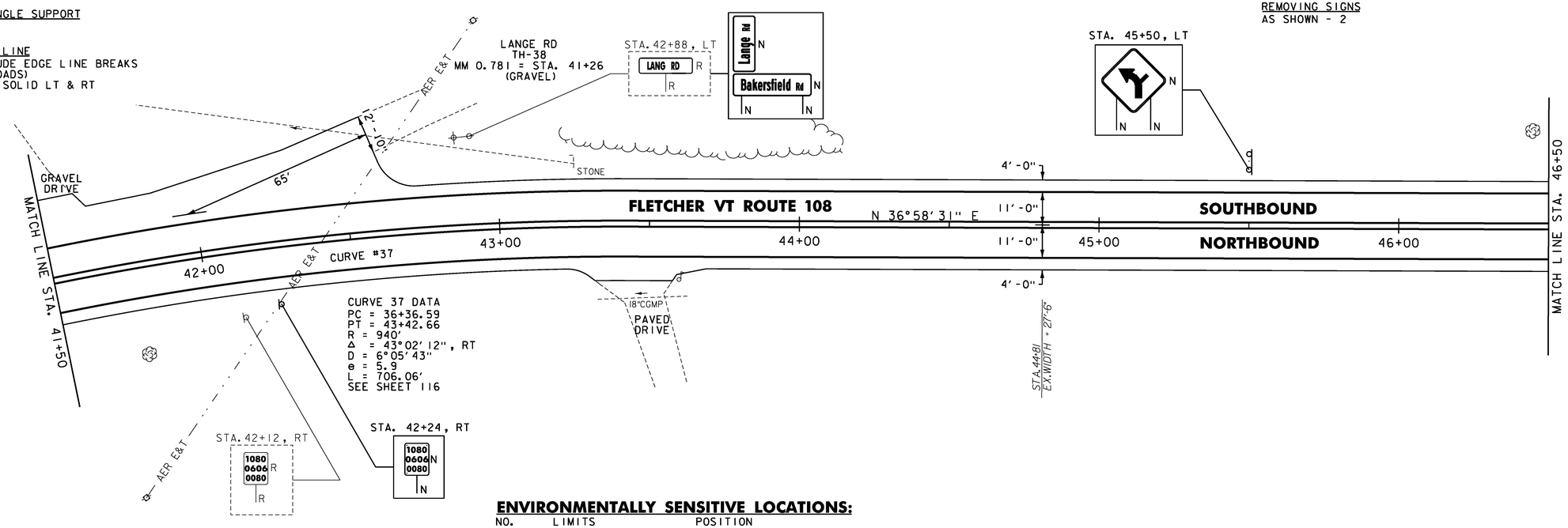
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 41+50 TO 46+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 41+50 TO 46+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 41+50 TO 46+50, SOLID LT & RT

BARRIER FENCE
STA. 41+50 TO 43+00, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 2



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
18.	41+50 TO 43+00	RT

STONE FILL, TYPE I
STA. 46+50 TO 47+75, LT
STA. 46+50 TO 48+25, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 46+50 TO 51+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 46+50 TO 51+50, SOLID LT & RT

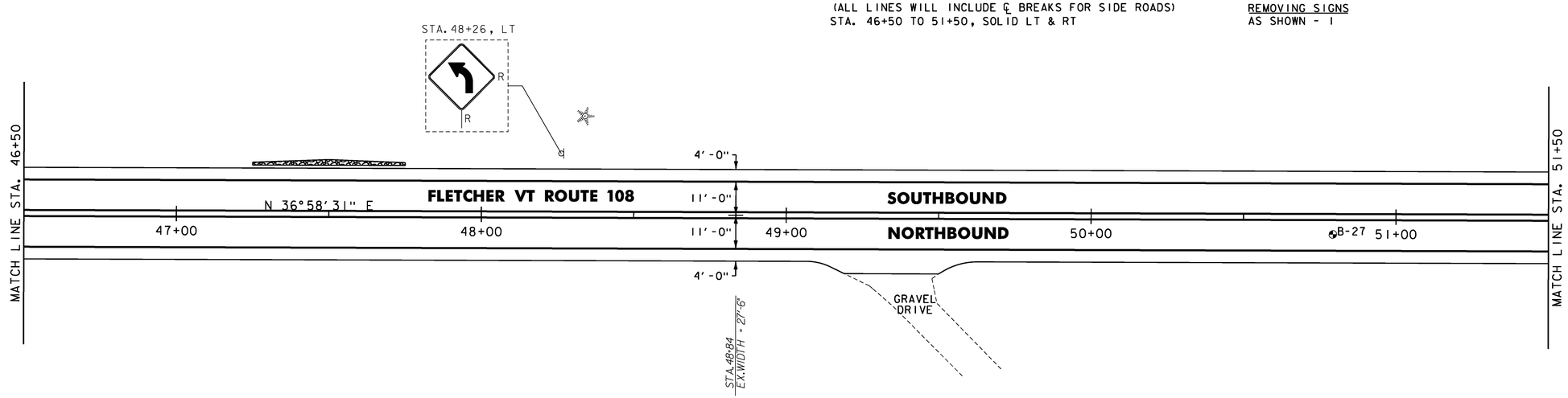
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 46+50 TO 51+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 46+50 TO 51+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 47+25 TO 47+75, LT

GRUBBING MATERIAL
STA. 47+25 TO 47+75, LT

REMOVING SIGNS
AS SHOWN - 1



NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-27	5.0'	NO	

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #28

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l28.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 54 OF 387

STONE FILL, TYPE I
STA. 52+50 TO 55+36, LT
STA. 52+75 TO 53+75, RT
STA. 56+28 TO 56+50, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 56+07.5 TO 56+50, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 56+07.5, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 51+50 TO 56+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 51+50 TO 52+27, SOLID LT & RT
STA. 52+27 TO 56+50, SOLID LT, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 51+50 TO 56+50, SOLID LT & RT

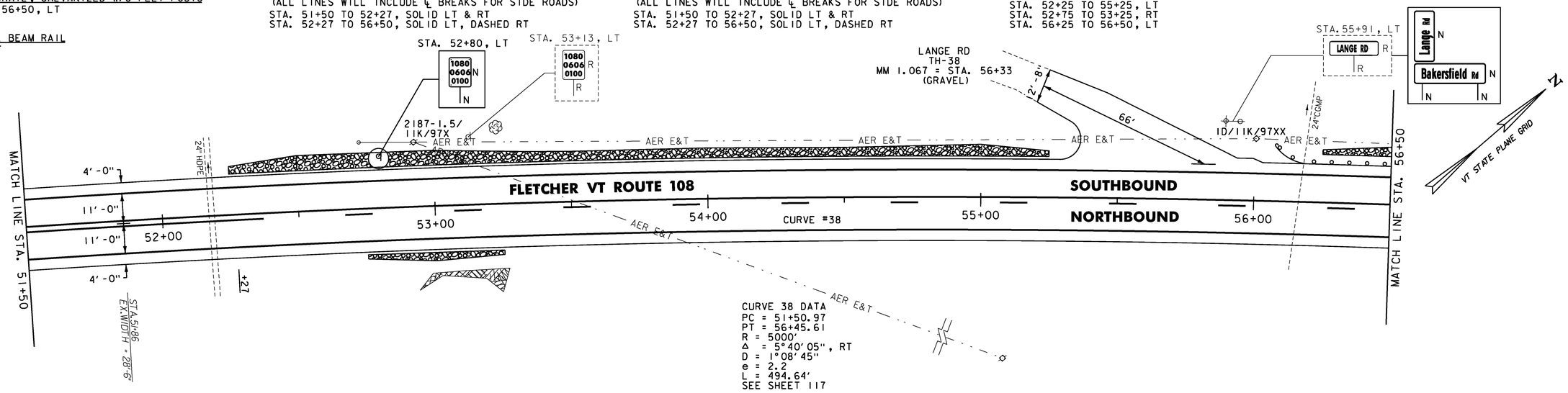
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 51+50 TO 52+27, SOLID LT & RT
STA. 52+27 TO 56+50, SOLID LT, DASHED RT

GEOTEXTILE UNDER STONE FILL
STA. 52+25 TO 55+25, LT
STA. 52+75 TO 53+25, RT
STA. 56+25 TO 56+50, LT

GRUBBING MATERIAL
STA. 52+25 TO 55+25, LT
STA. 52+75 TO 53+25, RT
STA. 56+25 TO 56+50, LT

BARRIER FENCE
STA. 56+00 TO 56+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 2



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
19.	56+00 TO 56+50	LT

STONE FILL, TYPE I
STA. 56+50 TO 57+25, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 56+50 TO 61+50, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 58+04 TO 61+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 56+50 TO 61+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 56+50 TO 60+19, SOLID LT, DASHED RT
STA. 60+19 TO 61+50, DASHED LT, SOLID RT

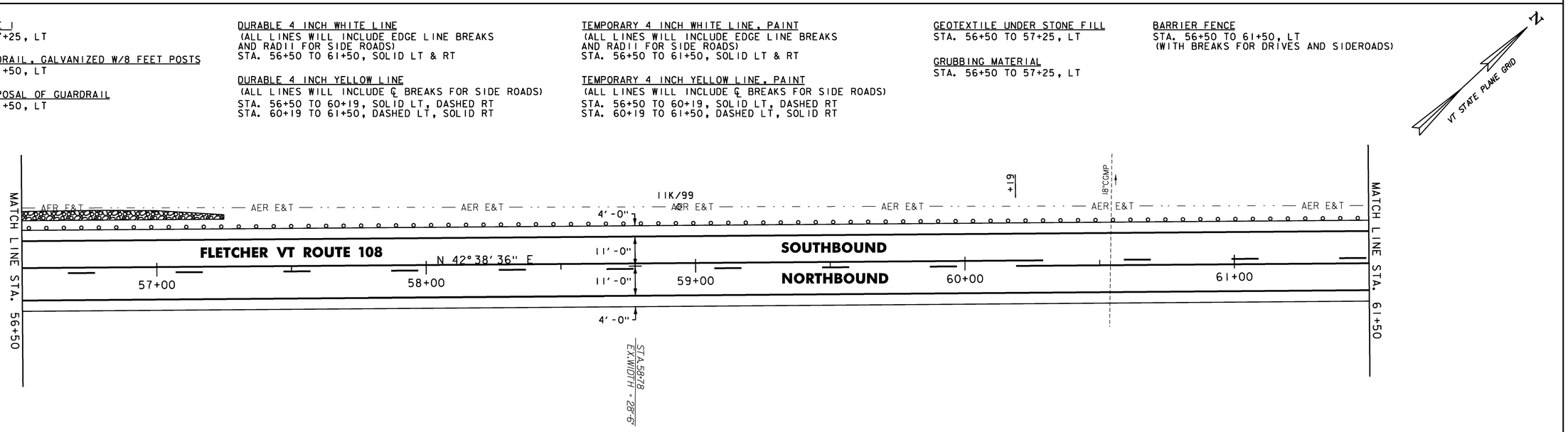
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 56+50 TO 61+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 56+50 TO 60+19, SOLID LT, DASHED RT
STA. 60+19 TO 61+50, DASHED LT, SOLID RT

GEOTEXTILE UNDER STONE FILL
STA. 56+50 TO 57+25, LT

GRUBBING MATERIAL
STA. 56+50 TO 57+25, LT

BARRIER FENCE
STA. 56+50 TO 61+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
19.	56+50 TO 61+50	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #29

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258129.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 55 OF 387

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 61+50 TO 66+50, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 61+50 TO 66+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 61+50 TO 66+50, SOLID LT & RT

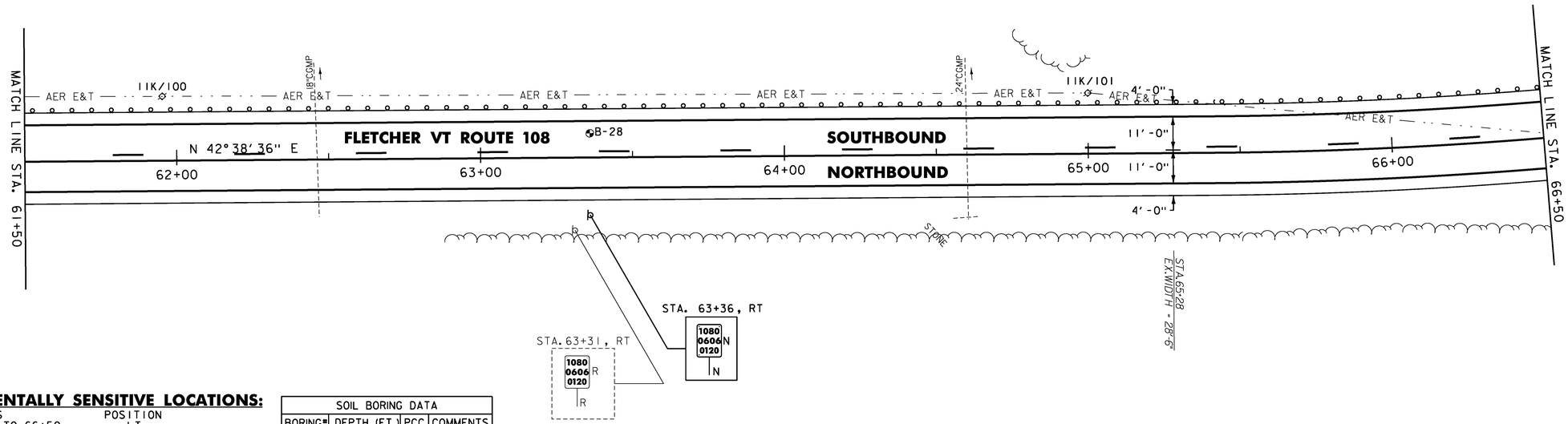
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 61+50 TO 66+50, DASHED LT, SOLID RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 61+50 TO 66+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 61+50 TO 66+50, DASHED LT, SOLID RT

BARRIER FENCE
STA. 61+50 TO 66+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
19.	61+50 TO 66+50	LT

SOIL BORING DATA			
BORING*	DEPTH (FT.)	PCC	COMMENTS
B-28	5.0'	NO	

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 66+50 TO 67+57.5, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 67+57.5, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 66+50 TO 67+56, LT
STA. 68+83 TO 71+50, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 66+50 TO 71+50, SOLID LT & RT

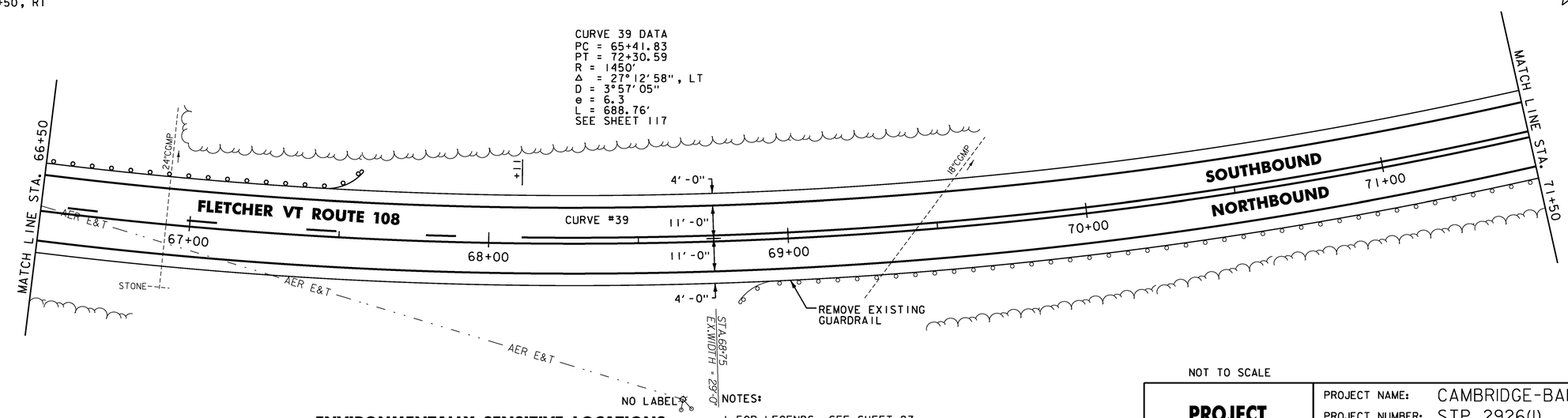
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 66+50 TO 68+11, DASHED LT, SOLID RT
STA. 68+11 TO 71+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 66+50 TO 71+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 66+50 TO 68+11, DASHED LT, SOLID RT
STA. 68+11 TO 71+50, SOLID LT & RT

BARRIER FENCE
STA. 66+50 TO 71+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

CURVE 39 DATA
PC = 65+41.83
PT = 72+30.59
R = 1450'
Δ = 27° 12' 58", LT
D = 3° 57' 05"
e = 6.3
L = 688.76'
SEE SHEET 117



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
19.	66+50 TO 71+50	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #30

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l30.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 56 OF 387

STONE FILL, TYPE I
STA. 72+25 TO 73+67, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 71+50 TO 73+28, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 71+50 TO 76+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 71+50 TO 76+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 71+50 TO 76+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 71+50 TO 76+50, SOLID LT & RT

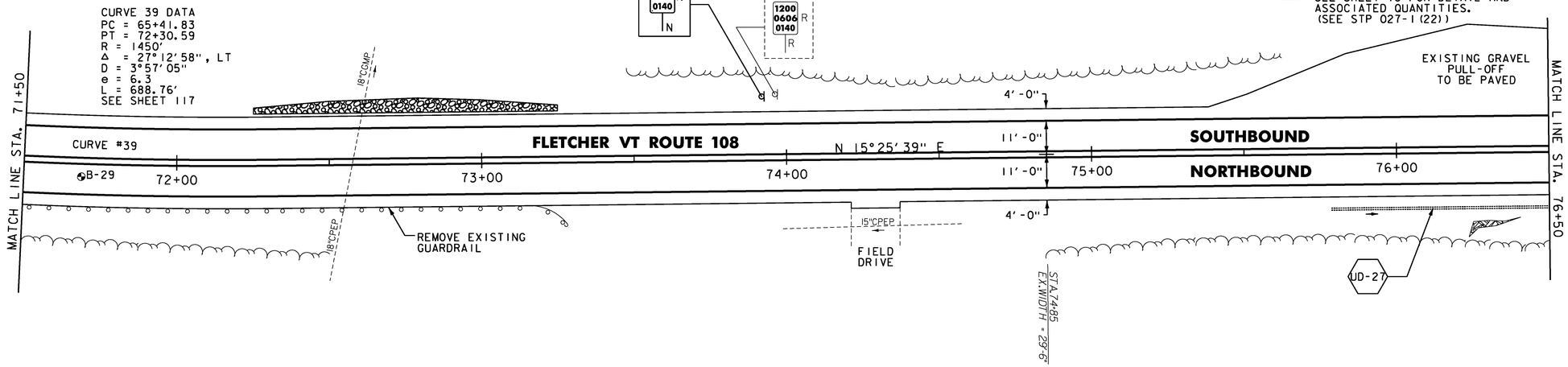
GEOTEXTILE UNDER STONE FILL
STA. 72+25 TO 73+25, LT

GRUBBING MATERIAL
STA. 72+25 TO 73+25, LT

BARRIER FENCE
STA. 71+50 TO 76+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1

UD-27 STA 75+79 TO 78+50.67, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.
(SEE STP 027-1(22))



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-29	5.0'	NO	

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
19.	71+50 TO 76+50	LT

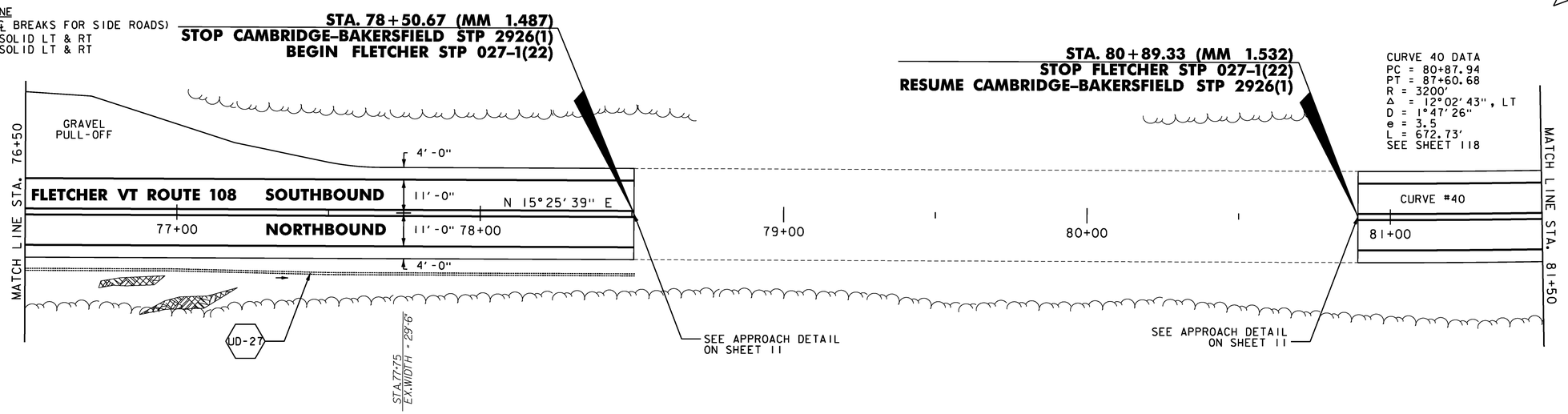
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 76+50 TO 78+50.67, SOLID LT & RT
STA. 80+89.33 TO 81+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 76+50 TO 78+50.67, SOLID LT & RT
STA. 80+89.33 TO 81+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 76+50 TO 78+50.67, SOLID LT & RT
STA. 80+89.33 TO 81+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 76+50 TO 78+50.67, SOLID LT & RT
STA. 80+89.33 TO 81+50, SOLID LT & RT

BARRIER FENCE
STA. 76+50 TO 78+50.67, LT
STA. 80+89.33 TO 81+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)



NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
19.	76+50 TO 78+50.67	LT
20.	80+89.33 TO 81+50	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #31

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l31.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 57 OF 387

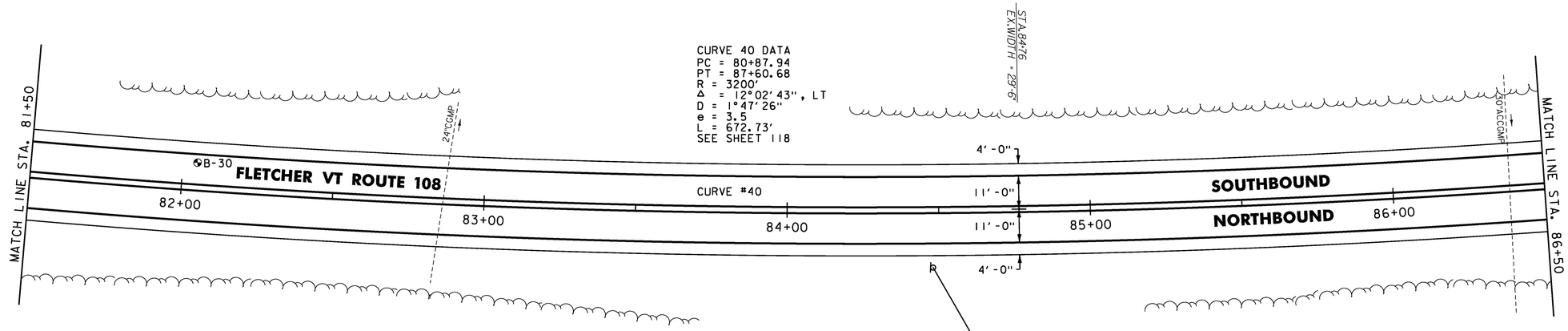
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 81+50 TO 86+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 81+50 TO 86+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 81+50 TO 86+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 81+50 TO 86+50, SOLID LT & RT

BARRIER FENCE
STA. 81+50 TO 86+50, LT
STA. 84+00 TO 86+50, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-30	5.0'	NO	

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
20.	81+50 TO 86+50	LT
21.	84+00 TO 86+50	RT

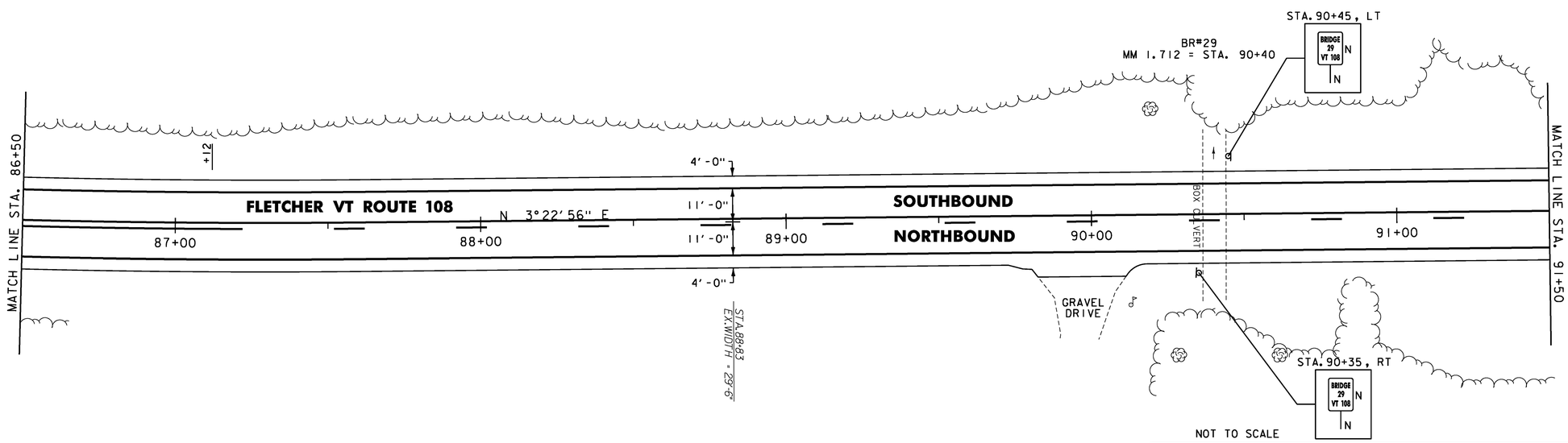
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 86+50 TO 91+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 86+50 TO 87+12, SOLID LT & RT
STA. 87+12 TO 91+50, SOLID LT, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 86+50 TO 91+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 86+50 TO 87+12, SOLID LT & RT
STA. 87+12 TO 91+50, SOLID LT, DASHED RT

BARRIER FENCE
STA. 86+50 TO 91+50, LT
STA. 86+50 TO 89+00, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)



NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
20.	86+50 TO 91+50	LT
21.	86+50 TO 89+00	RT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #32

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l32.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 58 OF 387

STONE FILL, TYPE I
STA. 95+25 TO 95+75, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 91+50 TO 96+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 91+50 TO 94+51, SOLID LT, DASHED RT
STA. 94+51 TO 95+57, DASHED ℄
STA. 95+57 TO 96+50, DASHED LT, SOLID RT

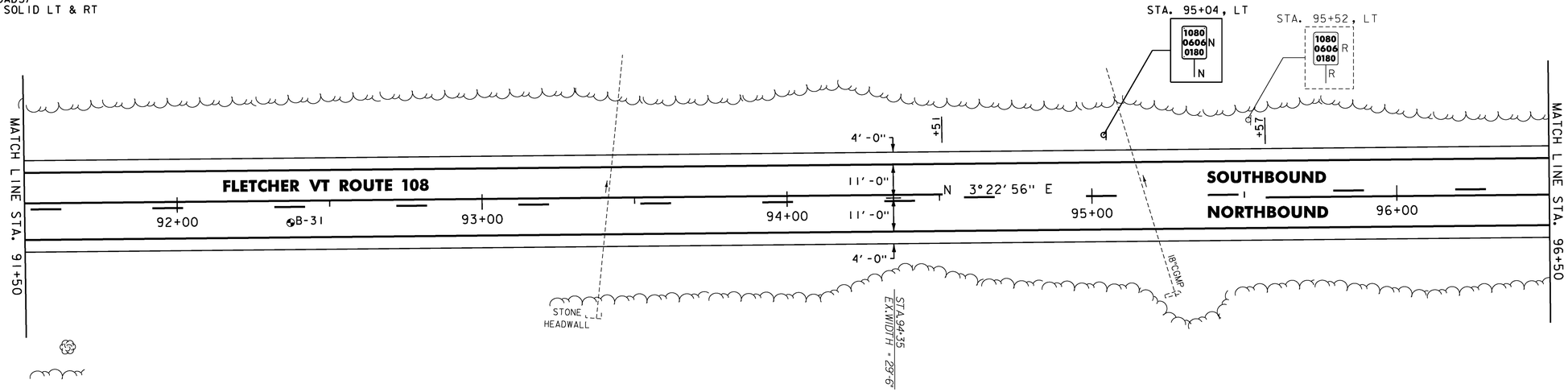
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 91+50 TO 96+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 91+50 TO 94+51, SOLID LT, DASHED RT
STA. 94+51 TO 95+57, DASHED ℄
STA. 95+57 TO 96+50, DASHED LT, SOLID RT

BARRIER FENCE
STA. 91+50 TO 96+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1

VT STATE PLANE GRID



SOIL BORING DATA			
BORING*	DEPTH (FT.)	PCC	COMMENTS
B-31	5.0'	NO	

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
20.	91+50 TO 96+50	LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 96+50 TO 101+50, SOLID LT & RT

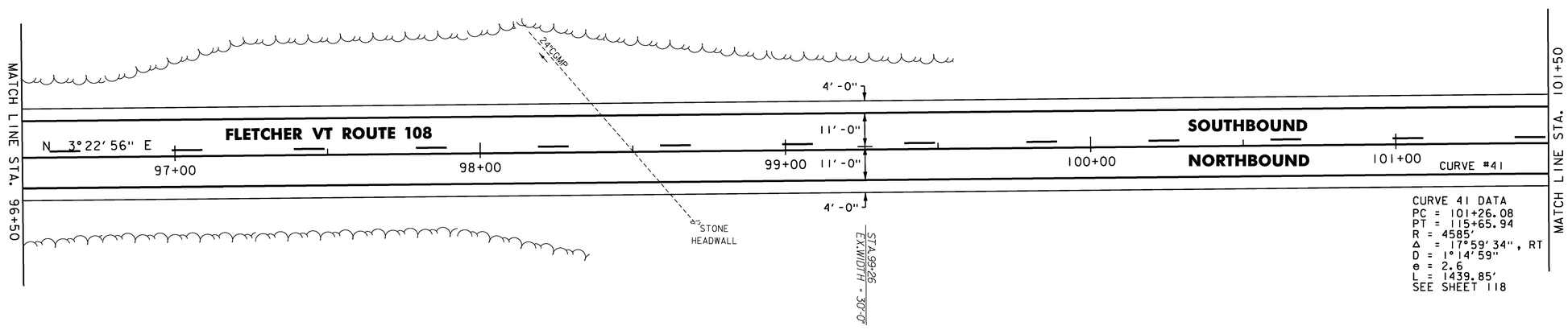
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 96+50 TO 101+50, DASHED LT, SOLID RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 96+50 TO 101+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 96+50 TO 101+50, DASHED LT, SOLID RT

BARRIER FENCE
STA. 96+50 TO 97+00, LT

VT STATE PLANE GRID



CURVE 41 DATA
PC = 101+26.08
PT = 115+65.94
R = 4585'
Δ = 17°59'34", RT
D = 1°14'59"
e = 2.6
L = 1439.85'
SEE SHEET 118

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
20.	96+50 TO 97+00	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #33

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l33.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 59 OF 387

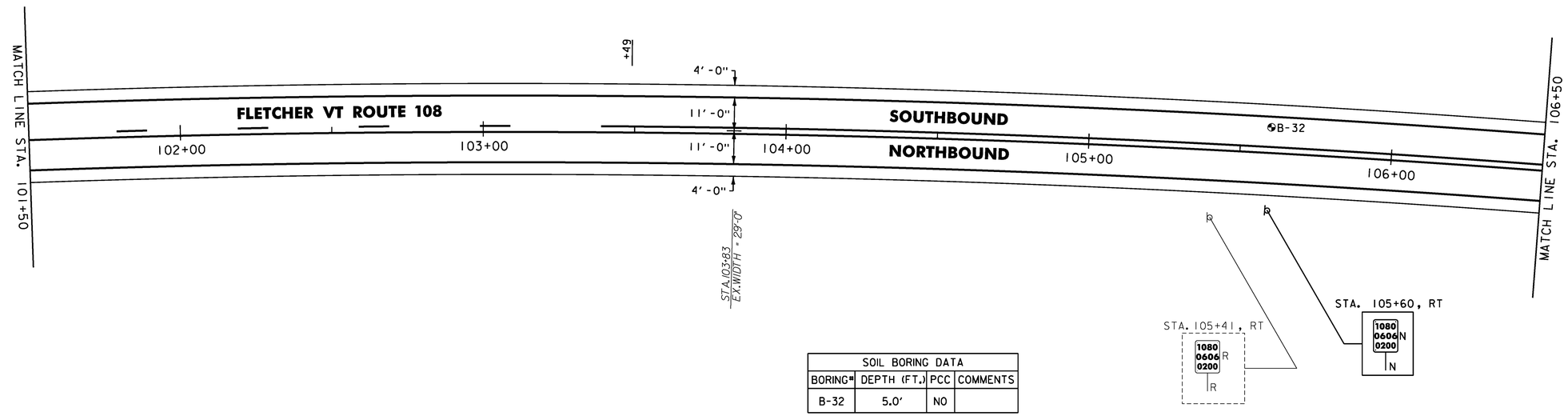
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 101+50 TO 106+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 101+50 TO 103+49, DASHED LT, SOLID RT
STA. 103+49 TO 106+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 101+50 TO 106+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 101+50 TO 103+49, DASHED LT, SOLID RT
STA. 103+49 TO 106+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-32	5.0'	NO	

STONE FILL, TYPE I
STA. 106+97 TO 109+37, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 109+81, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 106+50 TO 111+50, SOLID LT & RT

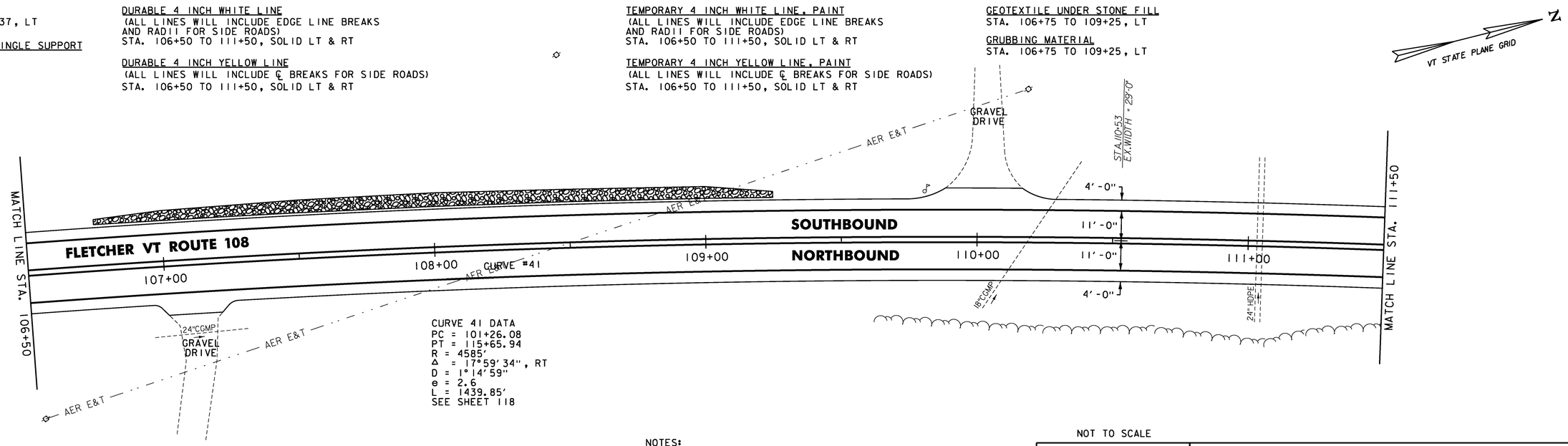
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 106+50 TO 111+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 106+50 TO 111+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 106+50 TO 111+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 106+75 TO 109+25, LT

GRUBBING MATERIAL
STA. 106+75 TO 109+25, LT



CURVE 41 DATA
PC = 101+26.08
PT = 115+65.94
R = 4585'
Δ = 17°59'34", RT
D = 1°14'59"
e = 2.6
L = 1439.85'
SEE SHEET 118

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #34

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l34.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 60 OF 387

STONE FILL, TYPE I
STA. 112+50 TO 115+00, LT
STA. 116+00 TO 116+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 111+50 TO 116+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 111+50 TO 116+50, SOLID LT & RT

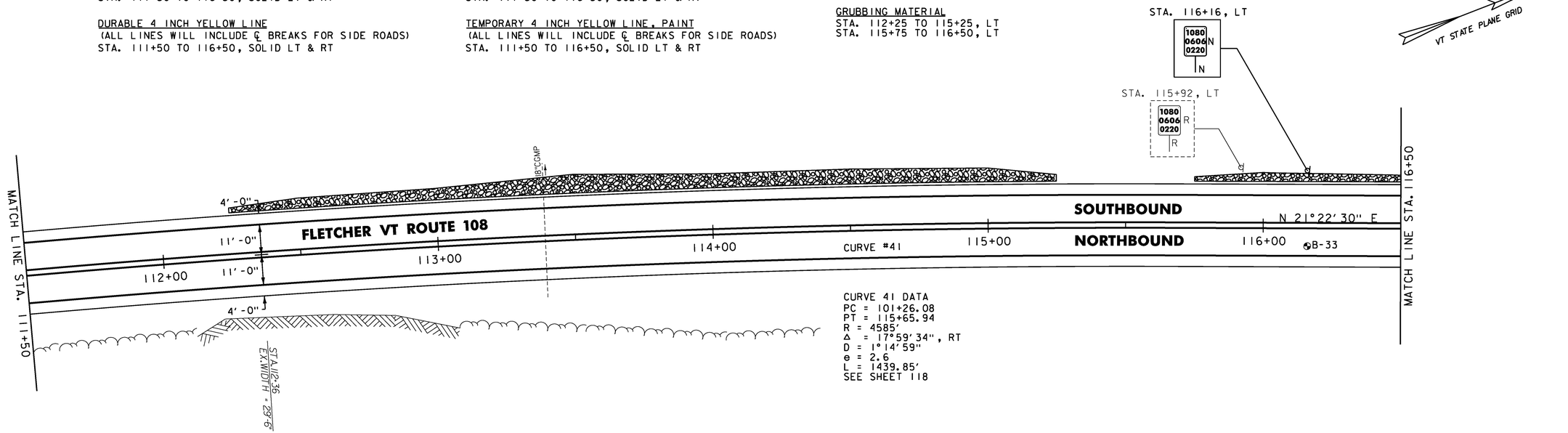
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 111+50 TO 116+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 111+50 TO 116+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 112+25 TO 115+25, LT
STA. 115+75 TO 116+50, LT

GRUBBING MATERIAL
STA. 112+25 TO 115+25, LT
STA. 115+75 TO 116+50, LT

REMOVING SIGNS
AS SHOWN - 1



CURVE 41 DATA
PC = 101+26.08
PT = 115+65.94
R = 4585'
Δ = 17°59'34", RT
D = 1°14'59"
e = 2.6
L = 1439.85'
SEE SHEET 118

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-33	5.0'	NO	

STONE FILL, TYPE I
STA. 116+50 TO 117+50, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 120+82.0 TO 121+00.0, LT
(SEE STP 027-1(22))

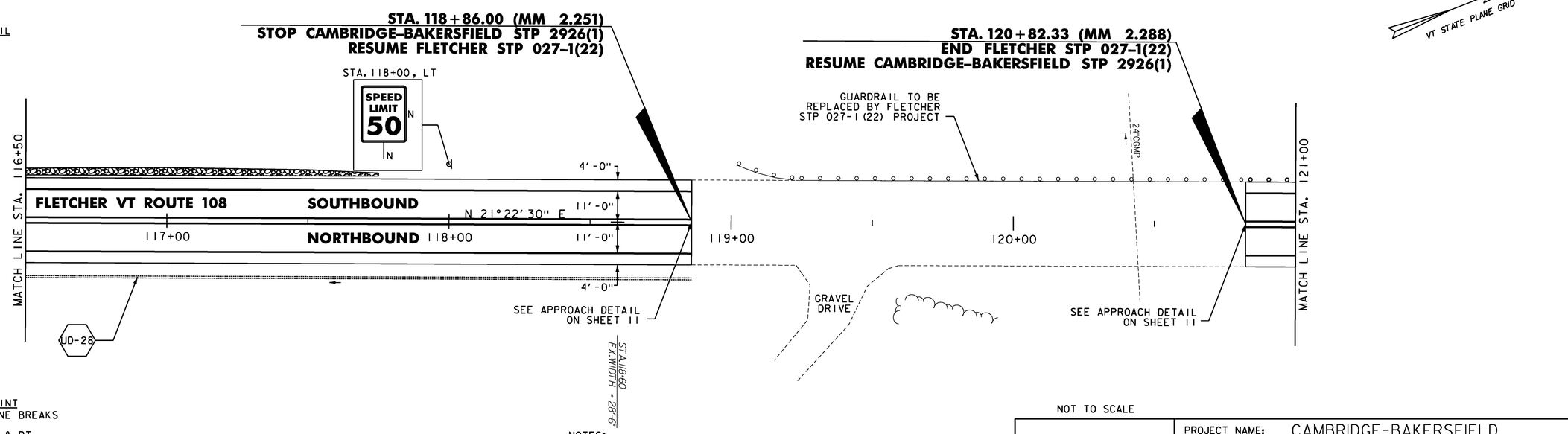
REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 120+82.0 TO 121+00.0, LT
(SEE STP 027-1(22))

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 116+50 TO 118+86, SOLID LT & RT
STA. 120+82.33 TO 121+00, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 116+50 TO 118+86, SOLID LT & RT
STA. 120+82.33 TO 121+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 116+50 TO 117+75, LT

GRUBBING MATERIAL
STA. 116+50 TO 117+75, LT



TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 116+50 TO 118+86, SOLID LT & RT
STA. 120+82.33 TO 121+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 116+50 TO 118+86, SOLID LT & RT
STA. 120+82.33 TO 121+00, SOLID LT & RT

UD-28 STA 116+50 TO 118+86.00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.
(SEE STP 027-1(22))

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #35

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l35.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 61 OF 387

STONE FILL, TYPE I
FLETCHER STA. 122+25 TO 123+12.96, LT
FLETCHER STA. 122+50 TO 123+12.96, RT
BAKERSFIELD STA. 0+00 TO 0+25, RT
BAKERSFIELD STA. 0+00 TO 1+00, LT
BAKERSFIELD STA. 1+00 TO 2+50, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
FLETCHER STA. 121+00.0 TO 121+45.0, LT

ANCHOR FOR STEEL BEAM RAIL
FLETCHER STA. 121+45.0, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
FLETCHER STA. 121+00.0 TO 121+41.0, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
FLETCHER STA. 121+00 TO STA. 123+12.96, SOLID LT & RT
BAKERSFIELD STA. 0+00 TO STA. 2+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
FLETCHER STA. 121+00 TO STA. 123+12.96, SOLID LT & RT
BAKERSFIELD STA. 0+00 TO STA. 2+50, SOLID LT & RT

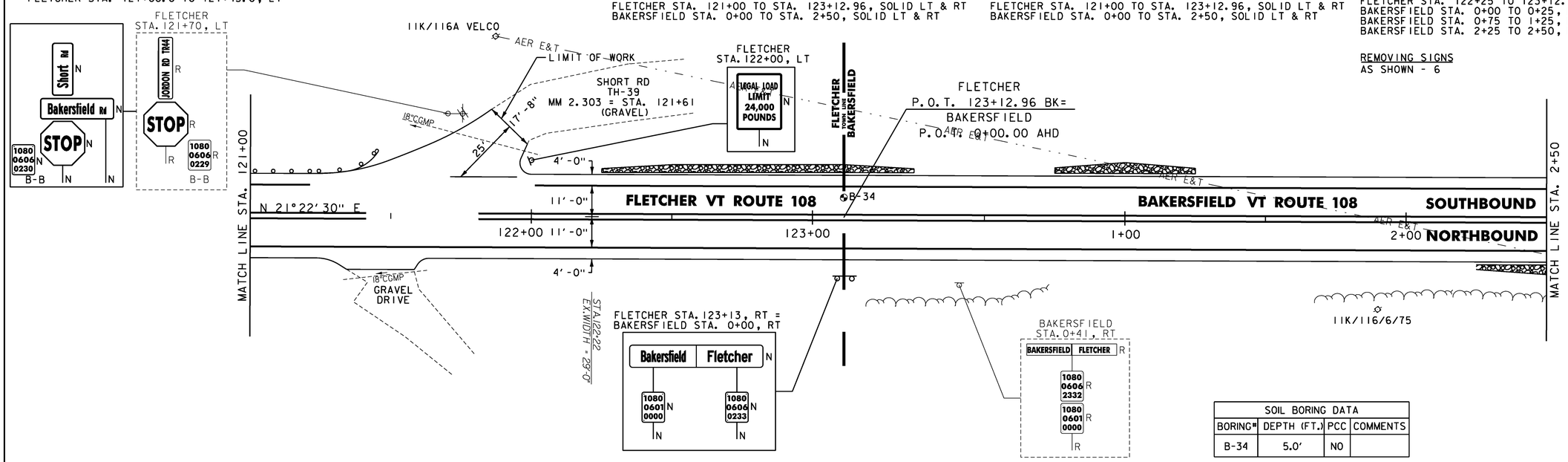
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
FLETCHER STA. 121+00 TO STA. 123+12.96, SOLID LT & RT
BAKERSFIELD STA. 0+00 TO STA. 2+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
FLETCHER STA. 121+00 TO STA. 123+12.96, SOLID LT & RT
BAKERSFIELD STA. 0+00 TO STA. 2+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
FLETCHER STA. 122+25 TO 123+12.96, LT
BAKERSFIELD STA. 0+00 TO 0+25, LT
BAKERSFIELD STA. 0+75 TO 1+25, LT
BAKERSFIELD STA. 2+25 TO 2+50, RT

GRUBBING MATERIAL
FLETCHER STA. 122+25 TO 123+12.96, LT
BAKERSFIELD STA. 0+00 TO 0+25, LT
BAKERSFIELD STA. 0+75 TO 1+25, LT
BAKERSFIELD STA. 2+25 TO 2+50, RT

REMOVING SIGNS
AS SHOWN - 6



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-34	5.0'	NO	

STONE FILL, TYPE I
STA. 2+50 TO 2+72, RT

RELOCATE MAILBOX, SINGLE SUPPORT
BAKERSFIELD STA. 4+97, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
BAKERSFIELD STA. 2+50 TO STA. 7+50, SOLID LT & RT

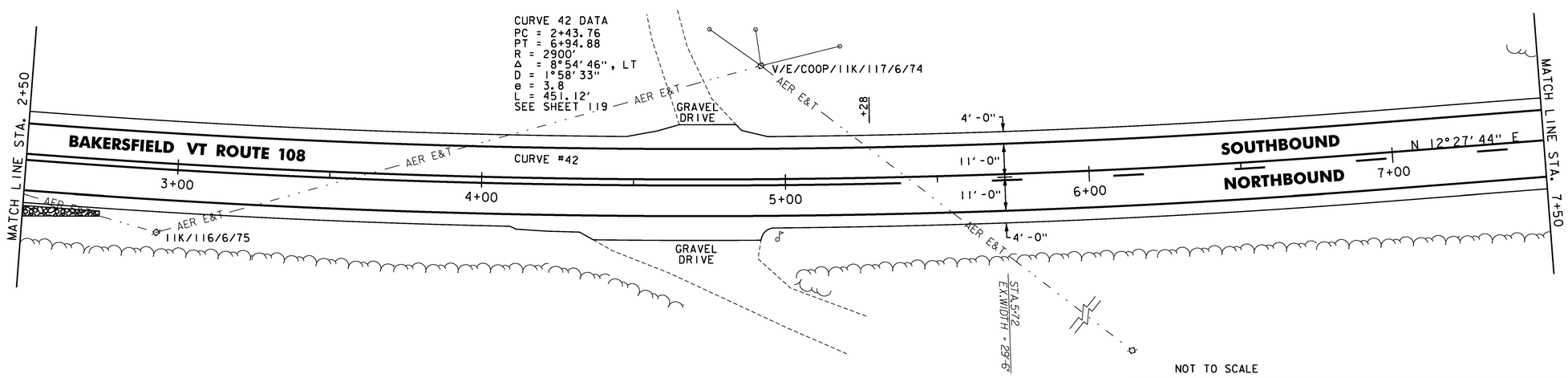
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
BAKERSFIELD STA. 2+50 TO STA. 5+28, SOLID LT & RT
BAKERSFIELD STA. 5+28 TO STA. 7+50, SOLID LT, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
BAKERSFIELD STA. 2+50 TO STA. 7+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
BAKERSFIELD STA. 2+50 TO STA. 5+28, SOLID LT & RT
BAKERSFIELD STA. 5+28 TO STA. 7+50, SOLID LT, DASHED RT

GEOTEXTILE UNDER STONE FILL
STA. 2+50 TO 2+75, RT

GRUBBING MATERIAL
STA. 2+50 TO 2+75, RT



NOT TO SCALE

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #36

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l36.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 62 OF 387

STONE FILL, TYPE I
STA. 9+00 TO 11+17, LT
STA. 9+23 TO 9+75, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 7+88.5 TO 12+50, LT
STA. 8+16.5 TO 11+16.5, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 7+88.5, LT
STA. 8+16.5, RT
STA. 11+16.5, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 7+88 TO 12+50, LT
STA. 8+17 TO 11+17, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 7+50 TO 12+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 7+50 TO 11+62, SOLID LT, DASHED RT
STA. 11+62 TO 12+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 7+50 TO 12+50, SOLID LT & RT

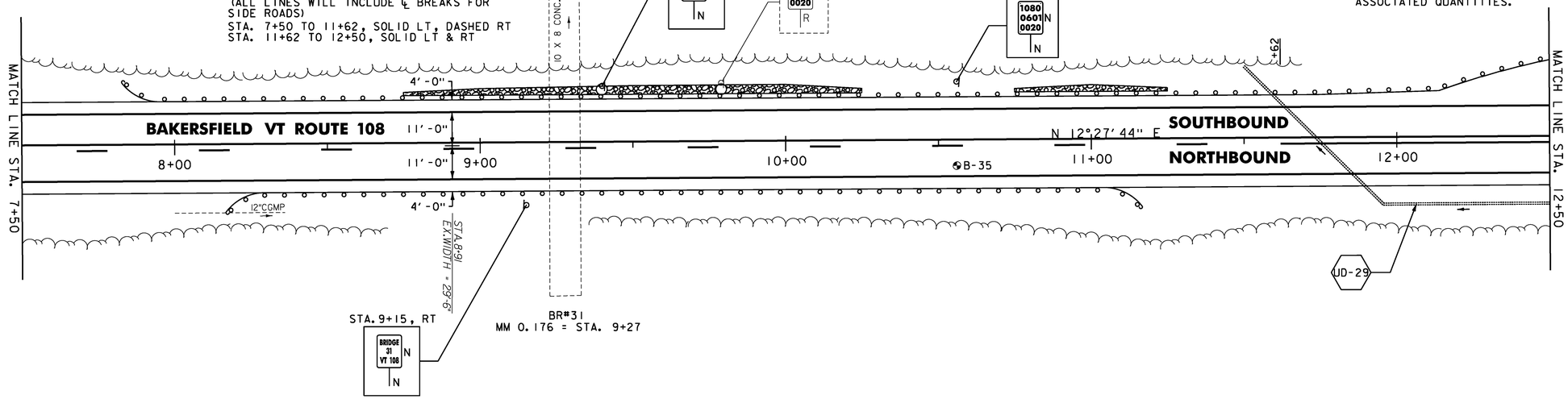
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 7+50 TO 11+62, SOLID LT, DASHED RT
STA. 11+62 TO 12+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 8+75 TO 10+25, LT
STA. 10+75 TO 11+25, RT

GRUBBING MATERIAL
STA. 8+75 TO 10+25, LT
STA. 10+75 TO 11+25, RT

REMOVING SIGNS
AS SHOWN - 1

UD-29 STA 11+50 LT TO 15+00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-35	5.0'	NO	

STONE FILL, TYPE I
STA. 15+00 TO 16+00, LT
STA. 15+50 TO 16+25, RT
STA. 16+95 TO 17+50, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 12+50 TO 17+38.5, LT
STA. 14+99.5 TO 16+62, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 14+99.5, RT
STA. 16+62, RT
STA. 17+38.5, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 12+50 TO 17+34, LT
STA. 15+01 TO 16+63, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 12+50 TO 17+50, SOLID LT & RT

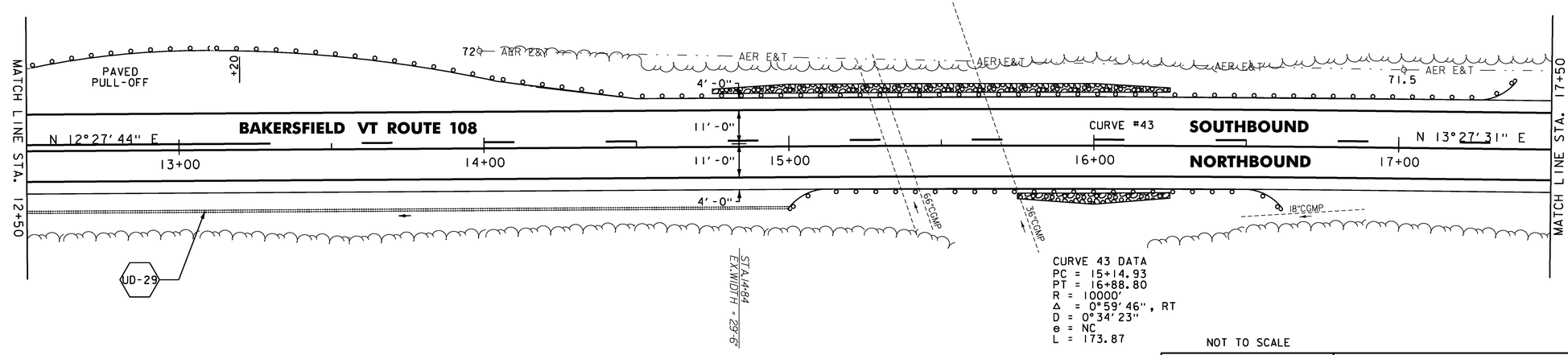
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 12+50 TO 13+20, SOLID LT & RT
STA. 13+20 TO 17+50, DASHED LT, SOLID RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 12+50 TO 17+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 12+50 TO 13+20, SOLID LT & RT
STA. 13+20 TO 17+50, DASHED LT, SOLID RT

GEOTEXTILE UNDER STONE FILL
STA. 14+75 TO 16+25, LT
STA. 15+75 TO 16+25, RT

GRUBBING MATERIAL
STA. 14+75 TO 16+25, LT
STA. 15+75 TO 16+25, RT



CURVE 43 DATA
PC = 15+14.93
PT = 16+88.80
R = 10000'
Δ = 0°59'46", RT
D = 0°34'23"
e = NC
L = 173.87

NOT TO SCALE

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #37

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l37.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 63 OF 387

STONE FILL, TYPE I
STA. 17+50 TO 20+00, RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 21+60, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 17+50 TO 22+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 17+50 TO 19+54, DASHED LT, SOLID RT
STA. 19+54 TO 22+50, SOLID LT & RT

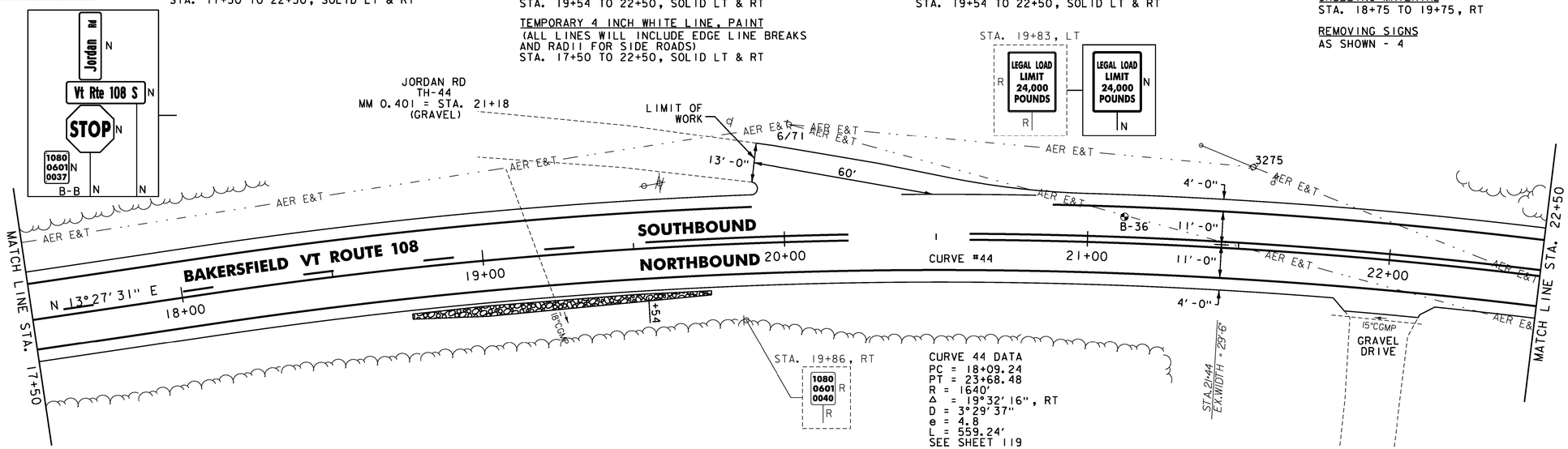
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 17+50 TO 22+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 17+50 TO 19+54, DASHED LT, SOLID RT
STA. 19+54 TO 22+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 18+75 TO 19+75, RT

GRUBBING MATERIAL
STA. 18+75 TO 19+75, RT

REMOVING SIGNS
AS SHOWN - 4



CURVE 44 DATA
PC = 18+09.24
PT = 23+68.48
R = 1640'
Δ = 19°32'16", RT
D = 3°29'37"
e = 4.8
L = 559.24'
SEE SHEET 119

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-36	5.0'	NO	LEDGE @ 4.0'

STONE FILL, TYPE I
STA. 24+32 TO 24+75, LT
STA. 25+40 TO 27+50, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 23+29, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 22+50 TO 27+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 22+50 TO 27+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 22+50 TO 27+50, SOLID LT & RT

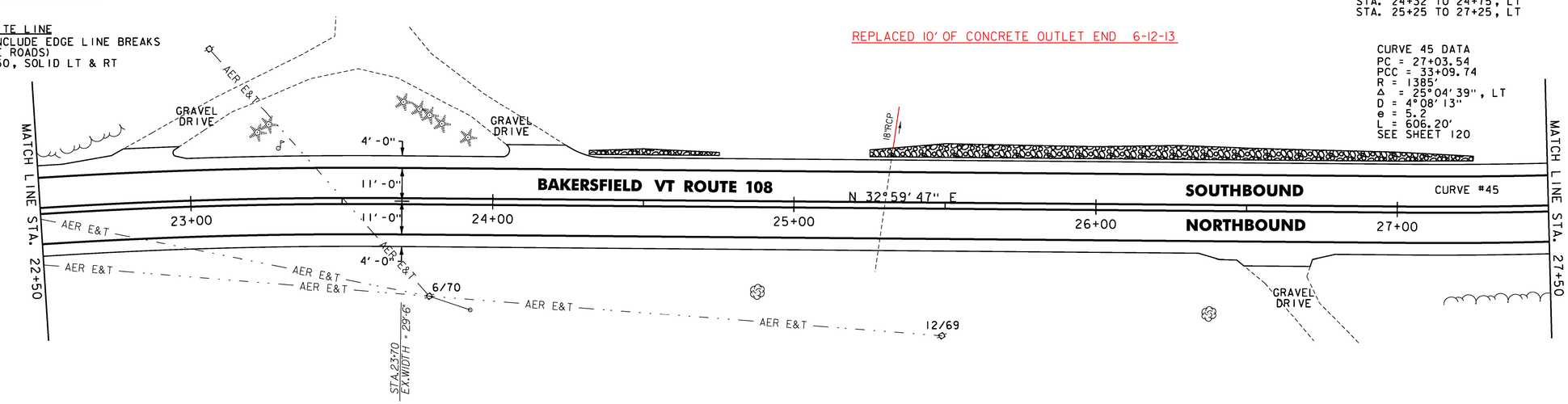
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 22+50 TO 27+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 24+32 TO 24+75, LT
STA. 25+25 TO 27+25, LT

GRUBBING MATERIAL
STA. 24+32 TO 24+75, LT
STA. 25+25 TO 27+25, LT

REPLACED 10' OF CONCRETE OUTLET END 6-12-13

CURVE 45 DATA
PC = 27+03.54
PCC = 33+09.74
R = 1385'
Δ = 25°04'39", LT
D = 4°08'13"
e = 5.2
L = 606.20'
SEE SHEET 120



NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #38

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l38.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 64 OF 387

STONE FILL, TYPE I
STA. 27+50 TO 28+75, LT
STA. 29+08 TO 30+25, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 28+76, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 27+50 TO 31+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 27+50 TO 31+50, SOLID LT & RT

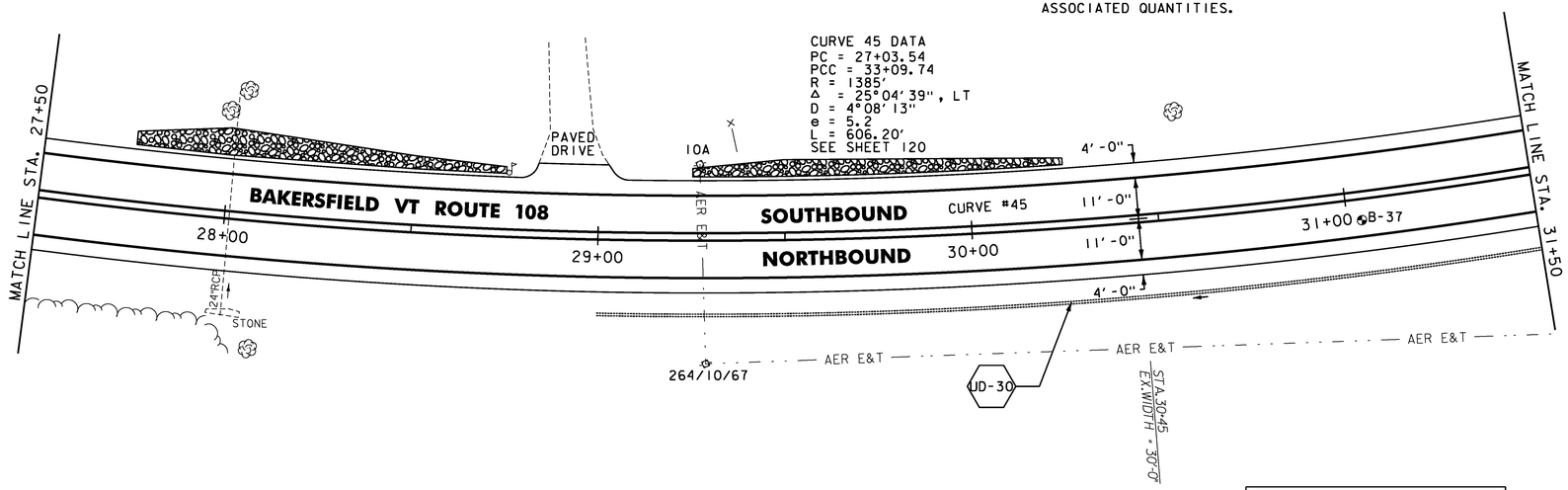
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 27+50 TO 31+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 27+50 TO 31+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 27+75 TO 28+75, LT
STA. 29+25 TO 30+25, LT

GRUBBING MATERIAL
STA. 27+75 TO 28+75, LT
STA. 29+25 TO 30+25, LT

UD-30 STA 29+00 TO 32+00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-37	5.0'	NO	

STONE FILL, TYPE I
STA. 32+75 TO 33+25, LT
STA. 34+75 TO 35+25, LT
STA. 36+25 TO 36+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 31+50 TO 36+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 31+50 TO 32+33, SOLID LT & RT
STA. 32+73 TO 36+50, SOLID LT, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 31+50 TO 36+50, SOLID LT & RT

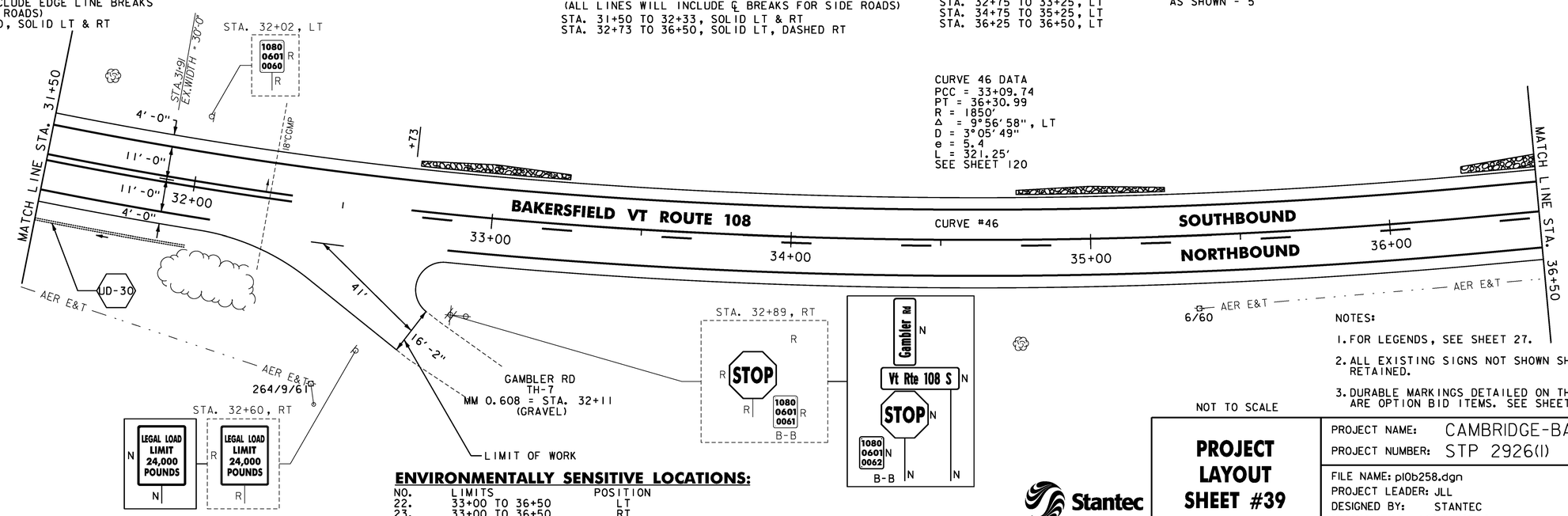
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 31+50 TO 32+33, SOLID LT & RT
STA. 32+73 TO 36+50, SOLID LT, DASHED RT

GEOTEXTILE UNDER STONE FILL
STA. 32+75 TO 33+25, LT
STA. 34+75 TO 35+25, LT
STA. 36+25 TO 36+50, LT

GRUBBING MATERIAL
STA. 32+75 TO 33+25, LT
STA. 34+75 TO 35+25, LT
STA. 36+25 TO 36+50, LT

BARRIER FENCE
STA. 33+00 TO 36+50, LT
STA. 33+00 TO 36+50, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 5



NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
22.	33+00 TO 36+50	LT
23.	33+00 TO 36+50	RT

Stantec

PROJECT LAYOUT SHEET #39

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l39.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 65 OF 387

STONE FILL, TYPE I
STA. 36+50 TO 37+25, LT
STA. 39+00 TO 39+75, RT
STA. 39+25 TO 39+75, LT
STA. 40+75 TO 41+25, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 36+50 TO 41+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 36+50 TO 38+54, SOLID LT, DASHED RT
STA. 38+54 TO 39+07, SOLID LT & RT
STA. 39+07 TO 41+50, DASHED LT, SOLID RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 36+50 TO 41+50, SOLID LT & RT

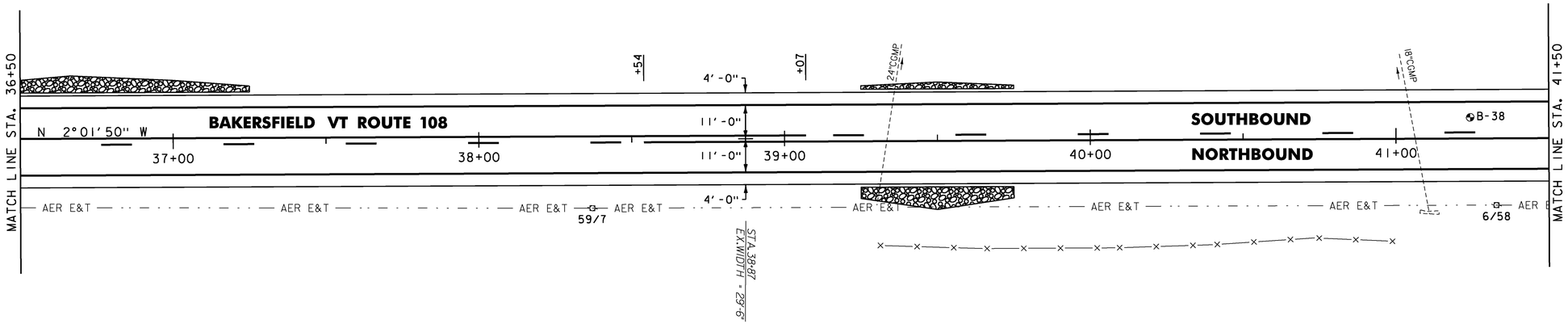
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 36+50 TO 38+54, SOLID LT, DASHED RT
STA. 38+54 TO 39+07, SOLID LT & RT
STA. 39+07 TO 41+50, DASHED LT, SOLID RT

GEOTEXTILE UNDER STONE FILL
STA. 36+50 TO 37+25, LT
STA. 39+25 TO 39+75, RT
STA. 39+25 TO 39+75, LT

GRUBBING MATERIAL
STA. 36+50 TO 37+25, LT
STA. 39+25 TO 39+75, RT
STA. 39+25 TO 39+75, LT

BARRIER FENCE
STA. 36+50 TO 41+50, LT
STA. 36+50 TO 41+50, RT

VT STATE PLANE GRID
N



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
22.	36+50 TO 41+50	LT
23.	36+50 TO 41+50	RT

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-38	5.0'	NO	

STONE FILL, TYPE I
STA. 45+00 TO 46+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 41+50 TO 46+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 41+50 TO 46+46, DASHED LT, SOLID RT
STA. 46+46 TO 46+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 41+50 TO 46+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 41+50 TO 46+46, DASHED LT, SOLID RT
STA. 46+46 TO 46+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 45+25 TO 45+75, LT

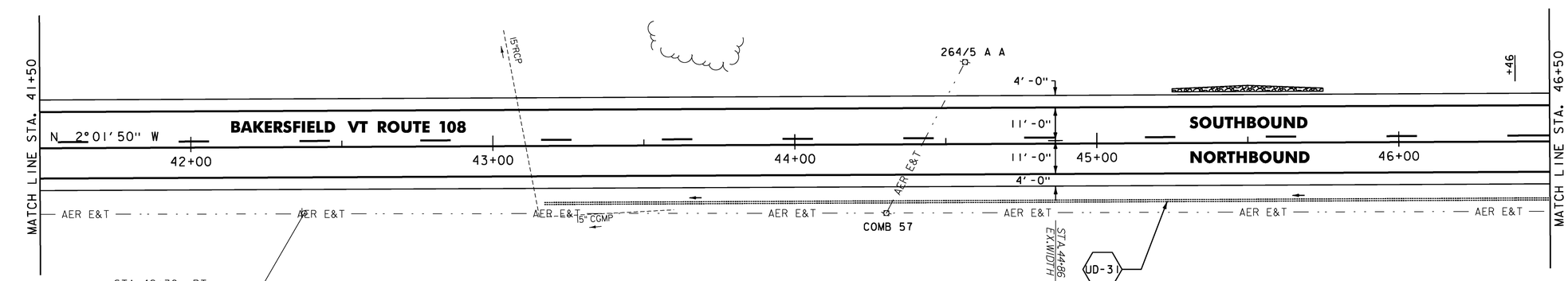
GRUBBING MATERIAL
STA. 45+25 TO 45+75, LT

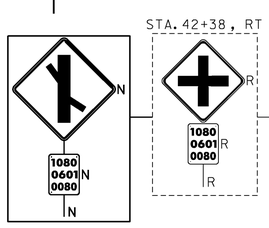
BARRIER FENCE
STA. 41+50 TO 43+00, LT
STA. 41+50 TO 43+00, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 2

UD-31 STA 43+17 TO 47+00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.

VT STATE PLANE GRID
N





ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
22.	41+50 TO 43+00	LT
23.	41+50 TO 43+00	RT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

NOT TO SCALE

PROJECT LAYOUT SHEET #40

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l40.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 66 OF 387

STONE FILL, TYPE I
STA. 46+50 TO 47+37, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 47+94, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 46+50 TO 51+00, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 46+50 TO 51+00, SOLID LT & RT
STA. 47+84, DOUBLE SOLID RT (GAMBLER RD, TH-7)

DURABLE 24 INCH STOP BAR
STA. 47+84, RT (GAMBLER RD, TH-7)

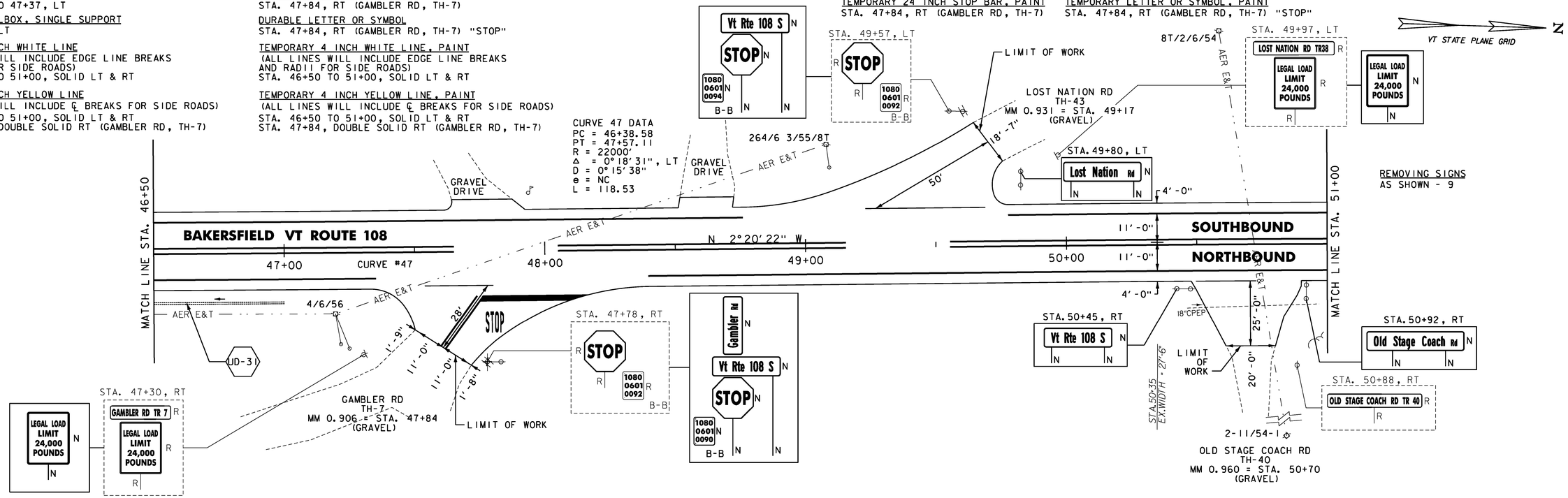
DURABLE LETTER OR SYMBOL
STA. 47+84, RT (GAMBLER RD, TH-7) "STOP"

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 46+50 TO 51+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 46+50 TO 51+00, SOLID LT & RT
STA. 47+84, DOUBLE SOLID RT (GAMBLER RD, TH-7)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 47+84, RT (GAMBLER RD, TH-7)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 47+84, RT (GAMBLER RD, TH-7) "STOP"



STONE FILL, TYPE I
STA. 51+50 TO 54+25, LT
STA. 52+50 TO 53+00, RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 54+59, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 51+21 TO 55+50, LT
STA. 51+67.5 TO 53+30, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 51+21, LT
STA. 51+67.5, RT
STA. 53+30, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 51+21 TO 55+50, LT
STA. 51+68 TO 53+31, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 51+00 TO 55+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 51+00 TO 55+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 51+00 TO 55+50, SOLID LT & RT

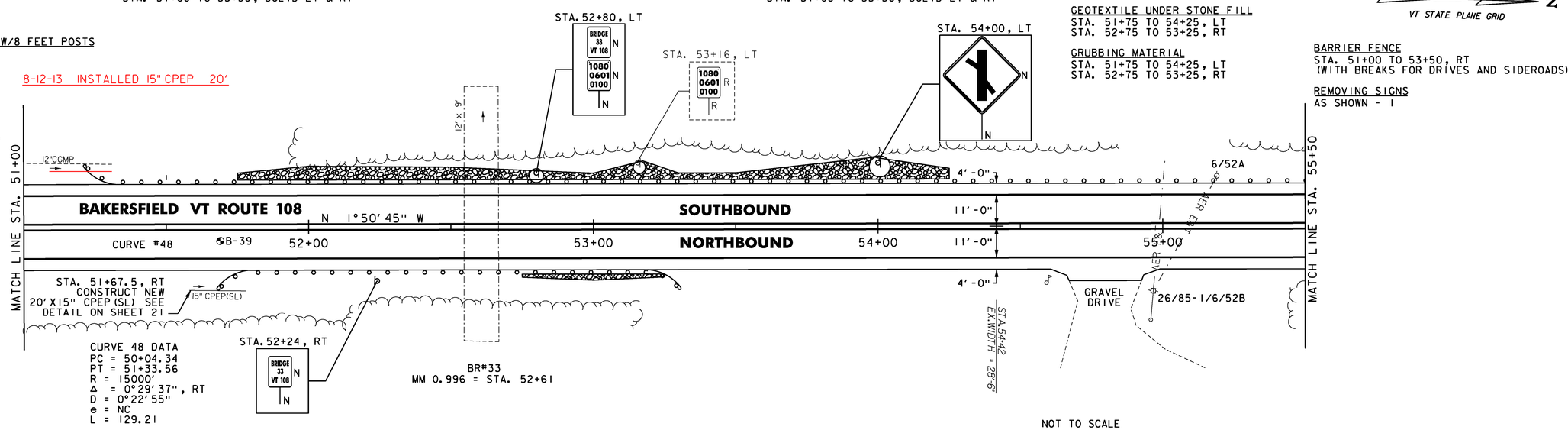
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 51+00 TO 55+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 51+75 TO 54+25, LT
STA. 52+75 TO 53+25, RT

GRUBBING MATERIAL
STA. 51+75 TO 54+25, LT
STA. 52+75 TO 53+25, RT

BARRIER FENCE
STA. 51+00 TO 53+50, RT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1



CURVE 48 DATA
PC = 50+04.34
PT = 51+33.56
R = 15000'
Δ = 0°29'37", RT
D = 0°22'55"
e = NC
L = 129.21

NOT TO SCALE

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-39	5.0'	NO	

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
24.	51+00 TO 53+50	RT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #41

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l41.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 67 OF 387

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 55+50 TO 57+71, LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 57+71 TO 60+50, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 55+50 TO 60+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 55+50 TO 60+50, SOLID LT & RT

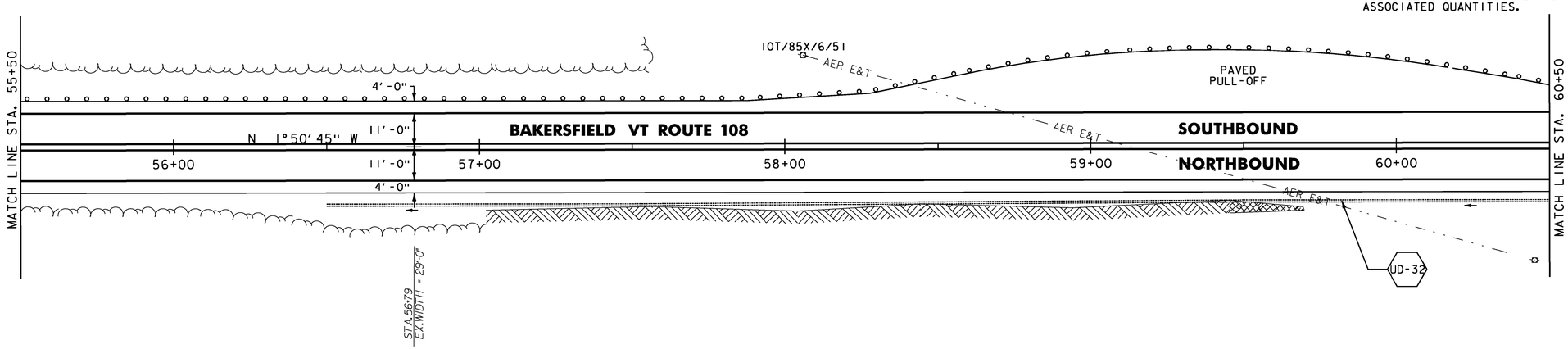
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 55+50 TO 60+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 55+50 TO 60+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 55+50 TO 60+50, SOLID LT & RT

VT STATE PLANE GRID

UD-32 STA 56+50 TO 60+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 FOR DETAIL AND ASSOCIATED QUANTITIES.



STONE FILL, TYPE I
STA. 60+81 TO 63+25, RT
STA. 63+75 TO 64+84, RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 60+50 TO 62+83.5, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 63+12.5 TO 65+50, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 62+83.5, LT
STA. 63+12.5, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 60+50 TO 62+81, LT
STA. 63+12 TO 65+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 60+50 TO 65+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 60+50 TO 64+15, SOLID LT & RT
STA. 64+15 TO 65+50, SOLID LT, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 60+50 TO 65+50, SOLID LT & RT

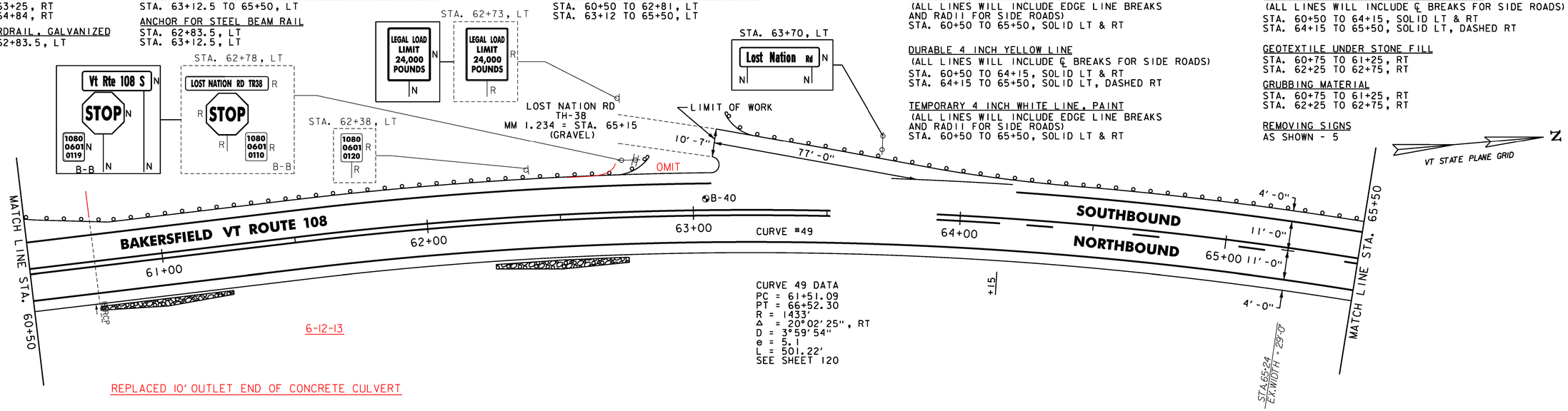
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 60+50 TO 64+15, SOLID LT & RT
STA. 64+15 TO 65+50, SOLID LT, DASHED RT

GEOTEXTILE UNDER STONE FILL
STA. 60+75 TO 61+25, RT
STA. 62+25 TO 62+75, RT

GRUBBING MATERIAL
STA. 60+75 TO 61+25, RT
STA. 62+25 TO 62+75, RT

REMOVING SIGNS
AS SHOWN - 5

VT STATE PLANE GRID



6-12-13

REPLACED 10' OUTLET END OF CONCRETE CULVERT

CURVE 49 DATA
PC = 61+51.09
PT = 66+52.30
R = 1433'
Δ = 20°02'25", RT
D = 3°59'54"
e = 5.1
L = 501.22'
SEE SHEET 120

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

SOIL BORING DATA

BORING#	DEPTH (FT.)	PCC	COMMENTS
B-40	5.0'	NO	

Stantec

NOT TO SCALE

PROJECT LAYOUT SHEET #42

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258142.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 68 OF 387

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 69+17, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 65+50 TO 68+50, LT
STA. 69+24 TO 70+50, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 68+50, LT
STA. 69+24, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 65+50 TO 68+40, LT
STA. 69+33 TO 70+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 65+50 TO 70+50, SOLID LT & RT

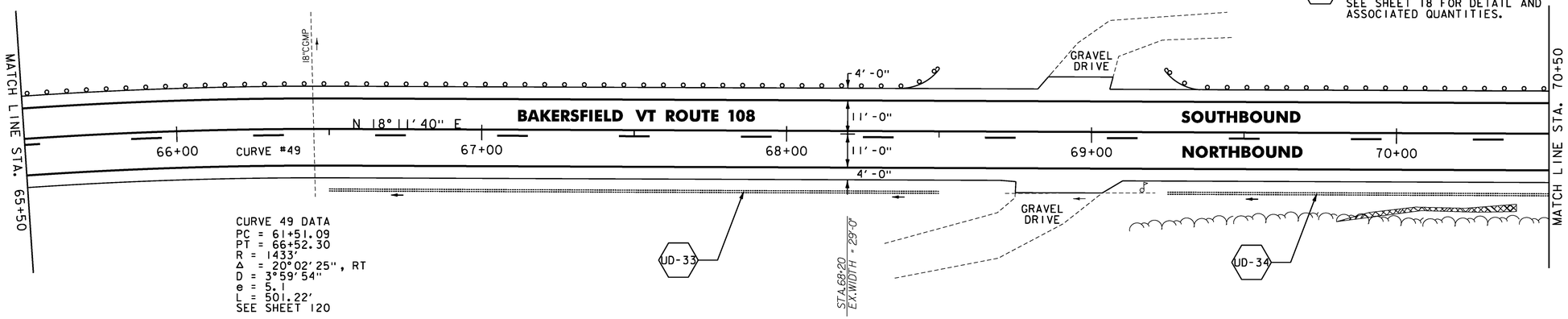
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 65+50 TO 70+50, SOLID LT, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 65+50 TO 70+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 65+50 TO 70+50, SOLID LT, DASHED RT

UD-33 STA 66+50 TO 68+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE,
SEE SHEET 18 FOR DETAIL AND
ASSOCIATED QUANTITIES.

UD-34 STA 69+25 TO 71+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE,
SEE SHEET 18 FOR DETAIL AND
ASSOCIATED QUANTITIES.



STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 70+50 TO 72+61.5, LT
STA. 72+86.5 TO 74+61.5, LT

HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS
STA. 72+61.5 TO 72+86.5, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 74+61.5, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 70+50 TO 74+60, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 70+50 TO 75+50, SOLID LT & RT

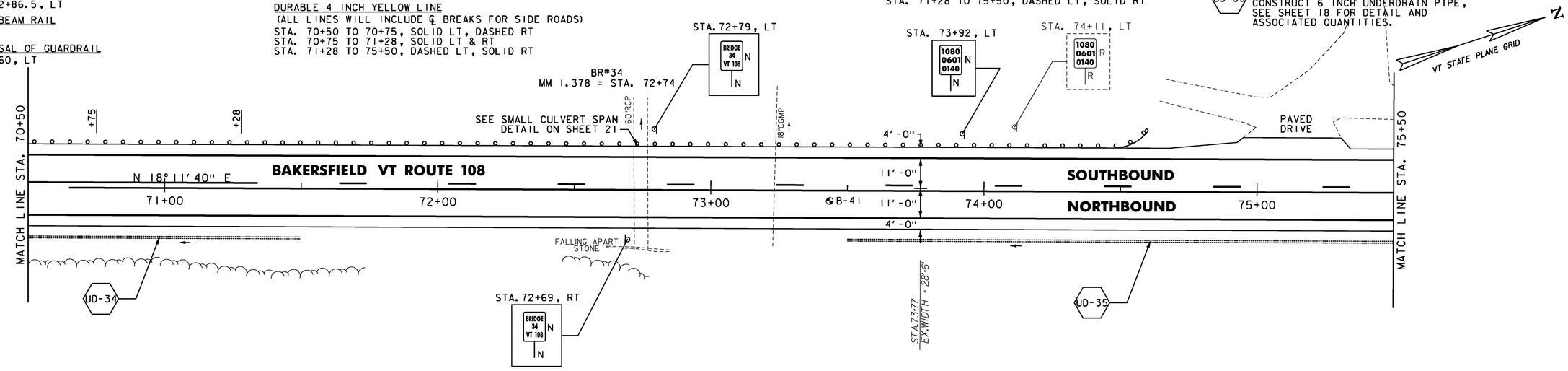
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 70+50 TO 70+75, SOLID LT, DASHED RT
STA. 70+75 TO 71+28, SOLID LT & RT
STA. 71+28 TO 75+50, DASHED LT, SOLID RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 70+50 TO 75+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 70+50 TO 70+75, SOLID LT, DASHED RT
STA. 70+75 TO 71+28, SOLID LT & RT
STA. 71+28 TO 75+50, DASHED LT, SOLID RT

REMOVING SIGNS
AS SHOWN - 1

UD-35 STA 73+50 TO 79+00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE,
SEE SHEET 18 FOR DETAIL AND
ASSOCIATED QUANTITIES.



NOT TO SCALE

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

SOIL BORING DATA

BORING#	DEPTH (FT.)	PCC	COMMENTS
B-41	5.0'	NO	

Stantec

PROJECT LAYOUT SHEET #43

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258143.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 69 OF 387

STONE FILL, TYPE I
STA. 80+00 TO 80+50, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 76+20, LT
STA. 78+88, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 79+42.5 TO 80+50, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 79+42.5, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 79+41 TO 80+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 75+50 TO 80+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 75+50 TO 78+14, DASHED LT, SOLID RT
STA. 78+14 TO 80+50, SOLID LT & RT

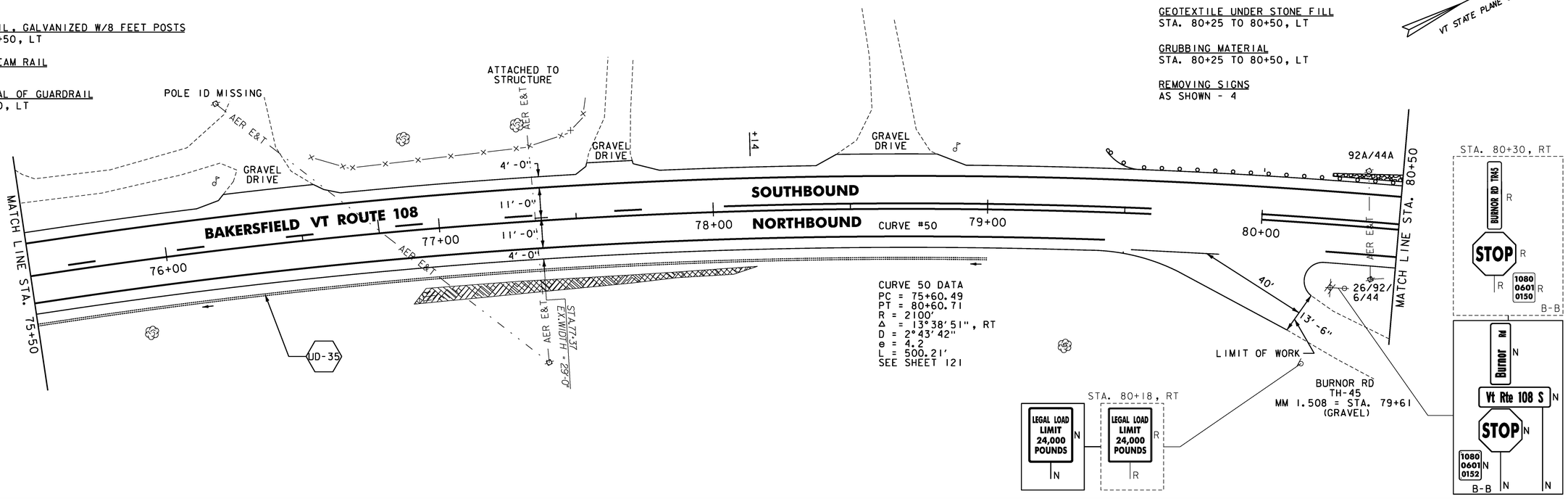
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 75+50 TO 80+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 75+50 TO 78+14, DASHED LT, SOLID RT
STA. 78+14 TO 80+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 80+25 TO 80+50, LT

GRUBBING MATERIAL
STA. 80+25 TO 80+50, LT

REMOVING SIGNS
AS SHOWN - 4



STONE FILL, TYPE I
STA. 80+50 TO 83+33, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 80+50 TO 83+67.5, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 83+67.5, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 80+50 TO 83+67, LT
STA. 80+56 TO 83+33, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 80+50 TO 85+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 80+50 TO 85+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 80+50 TO 85+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 80+50 TO 85+50, SOLID LT & RT

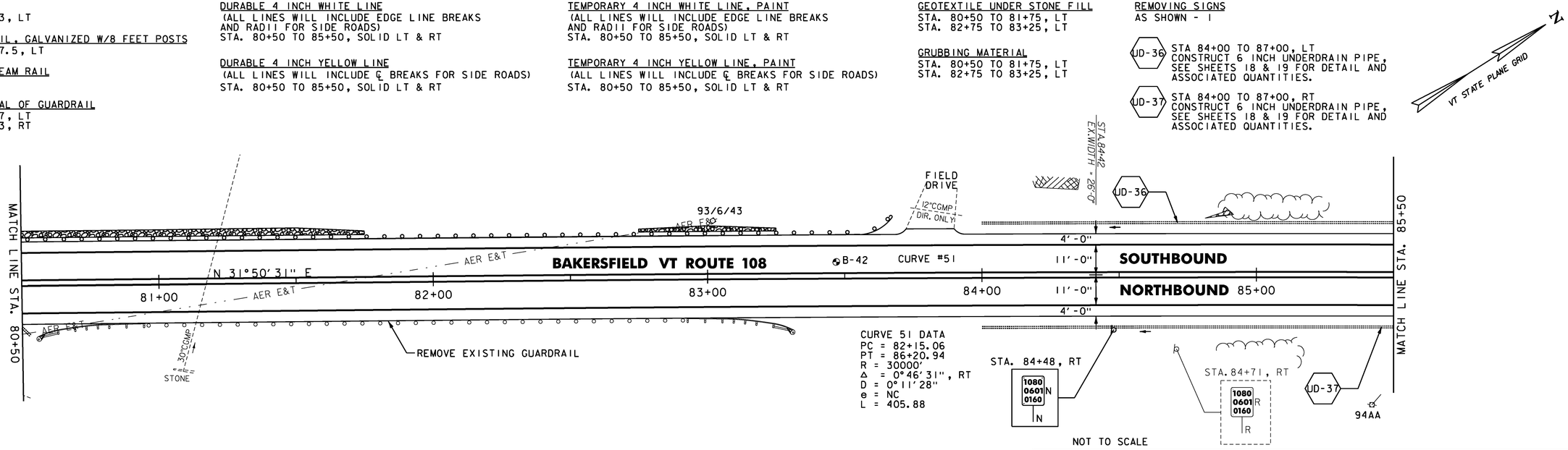
GEOTEXTILE UNDER STONE FILL
STA. 80+50 TO 81+75, LT
STA. 82+75 TO 83+25, LT

GRUBBING MATERIAL
STA. 80+50 TO 81+75, LT
STA. 82+75 TO 83+25, LT

REMOVING SIGNS
AS SHOWN - 1

UD-36 STA 84+00 TO 87+00, LT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEETS 18 & 19 FOR DETAIL AND ASSOCIATED QUANTITIES.

UD-37 STA 84+00 TO 87+00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEETS 18 & 19 FOR DETAIL AND ASSOCIATED QUANTITIES.



NOT TO SCALE

SOIL BORING DATA			
BORING*	DEPTH (FT.)	PCC	COMMENTS
B-42	5.0'	NO	

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #44

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258144.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 70 OF 387

STONE FILL, TYPE I
STA. 89+25 TO 90+50, RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 87+89, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 85+50 TO 90+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 85+50 TO 90+50, SOLID LT & RT

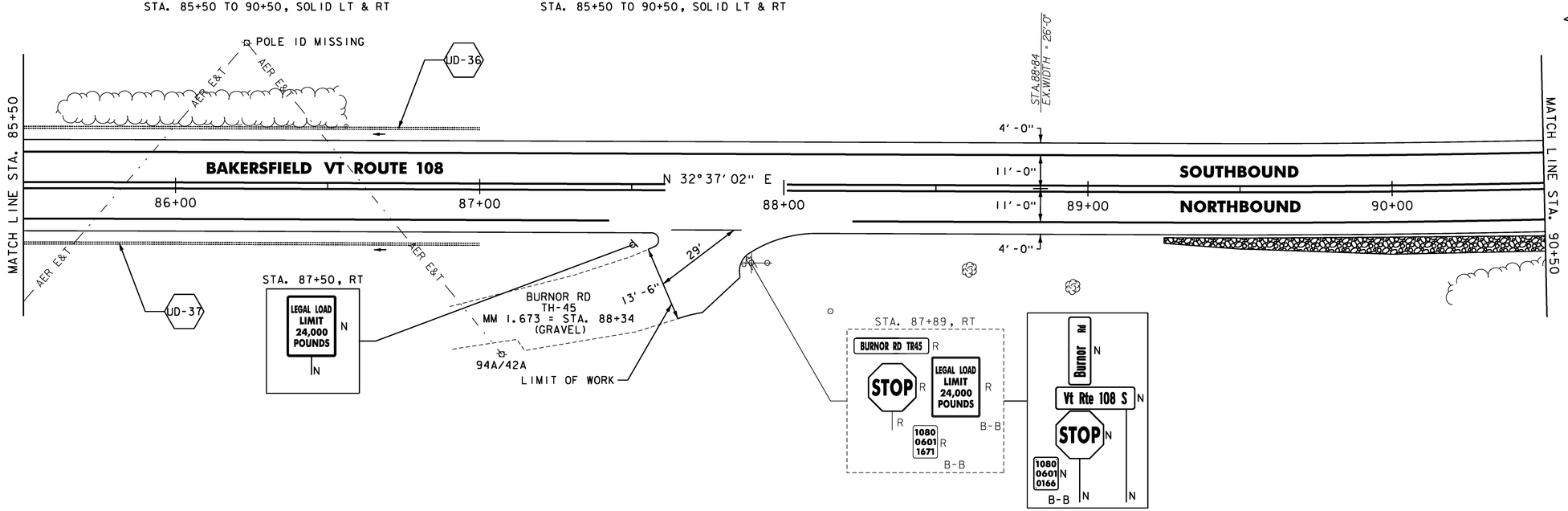
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 85+50 TO 90+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 85+50 TO 90+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 89+25 TO 90+50, RT

GRUBBING MATERIAL
STA. 89+25 TO 90+50, RT

REMOVING SIGNS
AS SHOWN - 4



STONE FILL, TYPE I
STA. 90+50 TO 90+75, RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 93+63, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 90+50 TO 95+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 90+50 TO 95+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 90+50 TO 95+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 90+50 TO 95+50, SOLID LT & RT

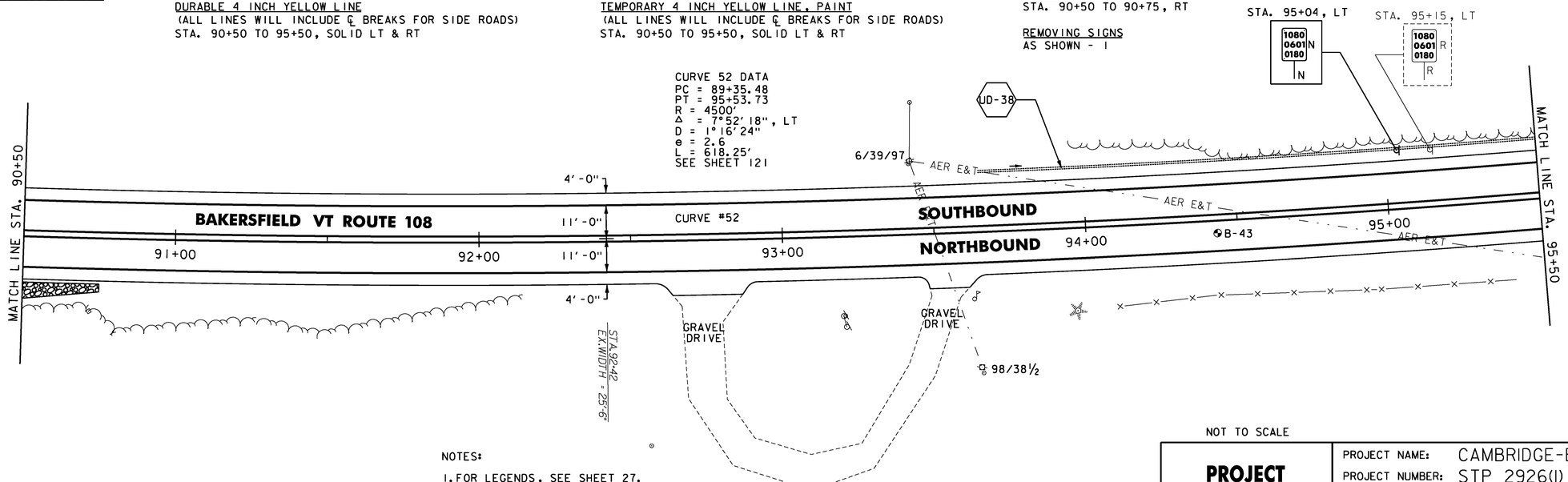
GEOTEXTILE UNDER STONE FILL
STA. 90+50 TO 90+75, RT

GRUBBING MATERIAL
STA. 90+50 TO 90+75, RT

REMOVING SIGNS
AS SHOWN - 1

UD-38 STA 93+65 TO 96+50, LT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEETS 18 & 19 FOR DETAIL AND ASSOCIATED QUANTITIES.

CURVE 52 DATA
PC = 89+35.48
PT = 95+53.73
R = 4500'
Δ = 7°52'18", LT
D = 1°16'24"
e = 2.6
L = 618.25'
SEE SHEET 121



NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

SOIL BORING DATA

BORING#	DEPTH (FT.)	PCC	COMMENTS
B-43	2.5'	NO	LEDGE @ 2.5'

NOT TO SCALE

PROJECT LAYOUT SHEET #45

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258145.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 71 OF 387

STONE FILL, TYPE I
STA. 97+00 TO 99+13, RT
STA. 98+00 TO 99+18, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 99+55, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 95+50 TO 100+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 95+50 TO 100+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 95+50 TO 100+50, SOLID LT & RT

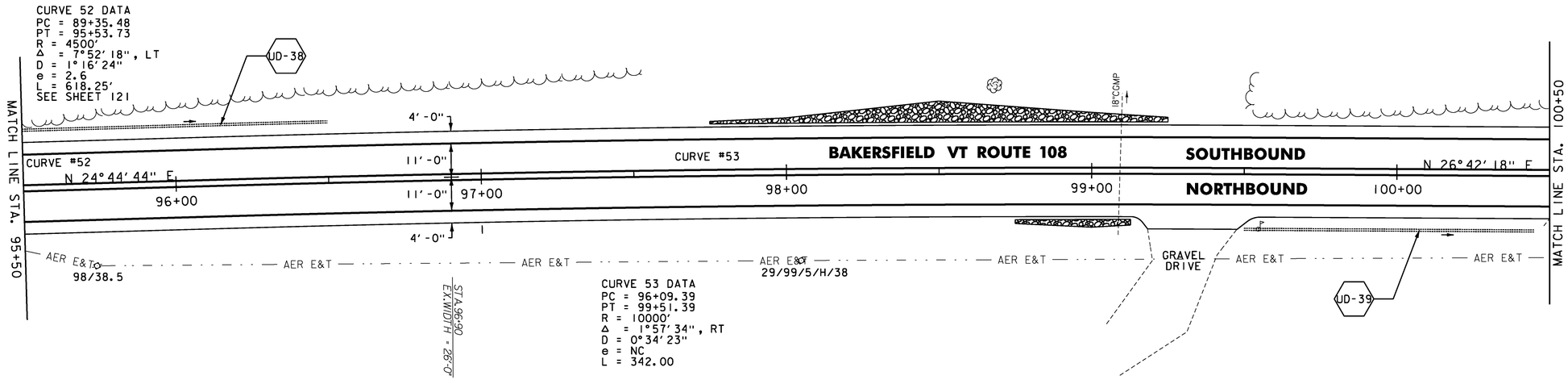
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 95+50 TO 100+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 97+75 TO 99+25, LT
STA. 98+75 TO 99+13, RT

GRUBBING MATERIAL
STA. 97+75 TO 99+25, LT
STA. 98+75 TO 99+13, RT

BARRIER FENCE
STA. 96+00 TO 100+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

UD-39 STA 99+50 TO 100+45, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEET 18 & 19 FOR DETAIL AND ASSOCIATED QUANTITIES.



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
25.	96+00 TO 100+50	LT

STONE FILL, TYPE I
STA. 104+25 TO 105+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 100+50 TO 105+50, SOLID LT & RT
STA. 103+19, SOLID LT (EDGELINES, WHITNEY RD, TH-34)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 100+50 TO 105+50, SOLID LT & RT
STA. 103+19, DOUBLE SOLID LT (WHITNEY RD, TH-34)

DURABLE 24 INCH STOP BAR
STA. 103+19, LT (WHITNEY RD, TH-34)

DURABLE LETTER OR SYMBOL
STA. 103+19, LT (WHITNEY RD, TH-34) "STOP"

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 100+50 TO 105+50, SOLID LT & RT
STA. 103+19, SOLID LT (EDGELINES, WHITNEY RD, TH-34)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 100+50 TO 105+50, SOLID LT & RT
STA. 103+19, DOUBLE SOLID LT (WHITNEY RD, TH-34)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 103+19, LT (WHITNEY RD, TH-34)

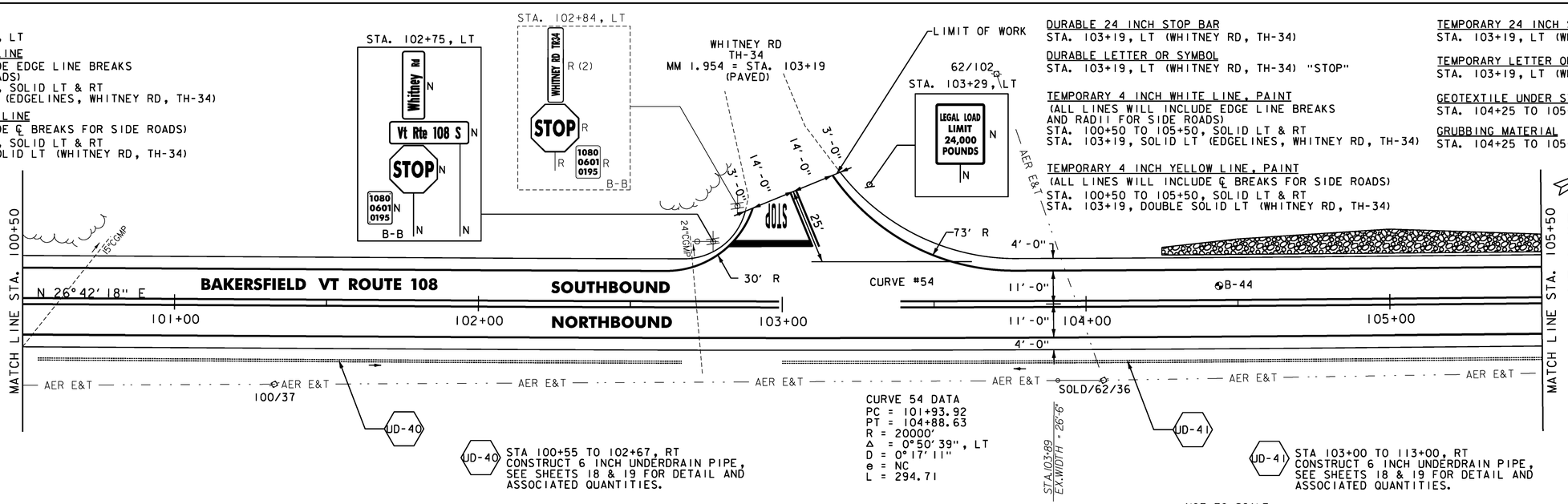
TEMPORARY LETTER OR SYMBOL, PAINT
STA. 103+19, LT (WHITNEY RD, TH-34) "STOP"

GEOTEXTILE UNDER STONE FILL
STA. 104+25 TO 105+50, LT

GRUBBING MATERIAL
STA. 104+25 TO 105+50, LT

BARRIER FENCE
STA. 100+50 TO 102+00, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 4



UD-40 STA 100+55 TO 102+67, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEETS 18 & 19 FOR DETAIL AND ASSOCIATED QUANTITIES.

UD-41 STA 103+00 TO 113+00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEETS 18 & 19 FOR DETAIL AND ASSOCIATED QUANTITIES.

NOT TO SCALE

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
25.	100+50 TO 102+00	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

SOIL BORING DATA

BORING#	DEPTH (FT.)	PCC	COMMENTS
B-44	5.0'	NO	

Stantec

PROJECT LAYOUT SHEET #46

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258146.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 72 OF 387

STONE FILL, TYPE I
STA. 105+50 TO 108+25, LT
STA. 110+00 TO 110+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 105+50 TO 110+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 105+50 TO 110+50, SOLID LT & RT

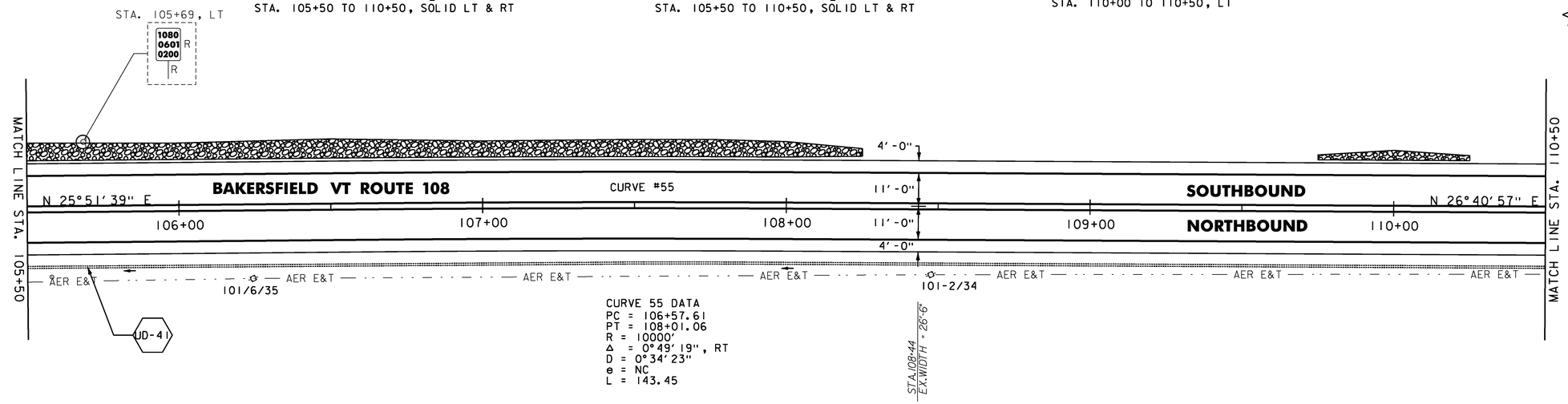
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 105+50 TO 110+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 105+50 TO 110+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 105+50 TO 108+25, LT
STA. 109+75 TO 110+25, LT

GRUBBING MATERIAL
STA. 105+50 TO 108+25, LT
STA. 110+00 TO 110+50, LT

REMOVING SIGNS
AS SHOWN - 1



STONE FILL, TYPE I
STA. 110+50 TO 113+00, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 113+64, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 110+50 TO 115+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 110+50 TO 115+50, SOLID LT & RT

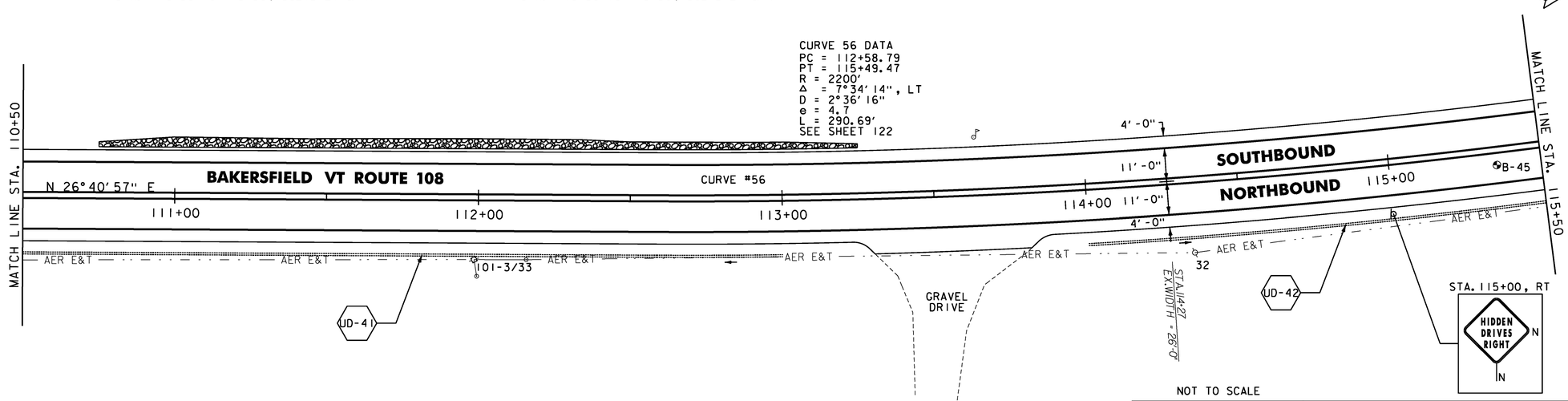
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 110+50 TO 115+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 110+50 TO 115+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 110+75 TO 113+25, LT

GRUBBING MATERIAL
STA. 110+75 TO 113+25, LT

UD-42 STA 114+00 TO 116+00, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEETS 18 & 19 FOR DETAIL AND ASSOCIATED QUANTITIES.



NOT TO SCALE

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

SOIL BORING DATA

BORING#	DEPTH (FT.)	PCC	COMMENTS
B-45	5.0'	NO	

Stantec

PROJECT LAYOUT SHEET #47

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l47.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 73 OF 387

STONE FILL, TYPE I
STA. 115+75 TO 118+75, LT
STA. 117+25 TO 117+75, RT
STA. 118+40 TO 120+50, RT
STA. 120+00 TO 120+50, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 115+64 TO 120+50, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 115+64, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 119+49 TO 120+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 115+50 TO 120+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 115+50 TO 120+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 115+50 TO 120+50, SOLID LT & RT

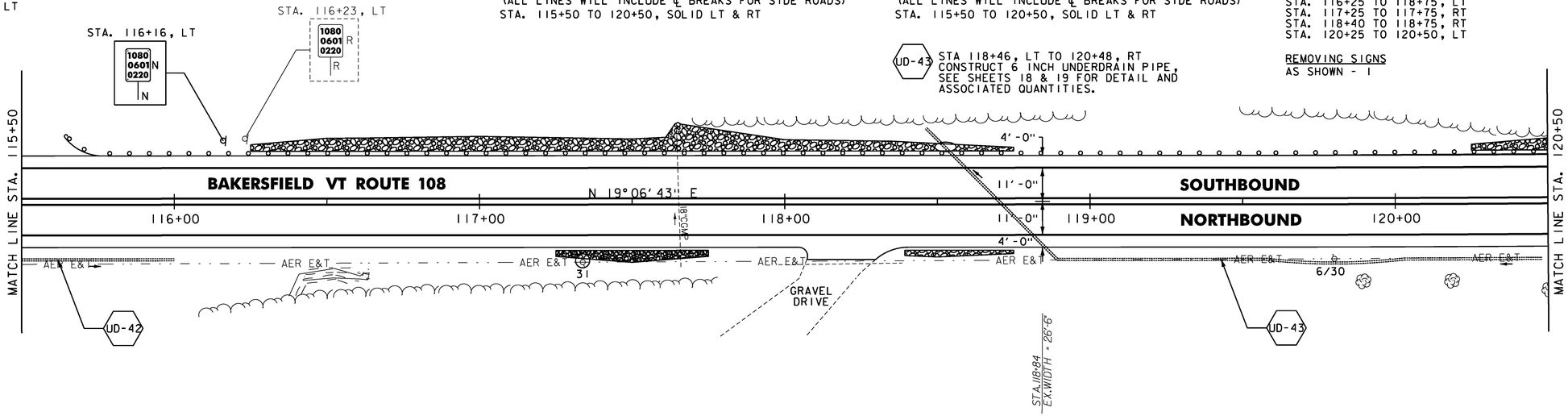
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 115+50 TO 120+50, SOLID LT & RT

UD-43 STA 118+46, LT TO 120+48, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE,
SEE SHEETS 18 & 19 FOR DETAIL AND
ASSOCIATED QUANTITIES.

GEOTEXTILE UNDER STONE FILL
STA. 116+25 TO 118+75, LT
STA. 117+25 TO 117+75, RT
STA. 118+40 TO 118+75, RT
STA. 120+25 TO 120+50, LT

GRUBBING MATERIAL
STA. 116+25 TO 118+75, LT
STA. 117+25 TO 117+75, RT
STA. 118+40 TO 118+75, RT
STA. 120+25 TO 120+50, LT

REMOVING SIGNS
AS SHOWN - 1



STONE FILL, TYPE I
STA. 120+50 TO 121+00, LT
STA. 124+25 TO 124+75, RT
STA. 124+50 TO 125+50, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 120+65, LT
STA. 124+53, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 120+50 TO 121+39, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 121+39, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 120+50 TO 121+37.5, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 120+50 TO 125+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 120+50 TO 125+50, SOLID LT & RT

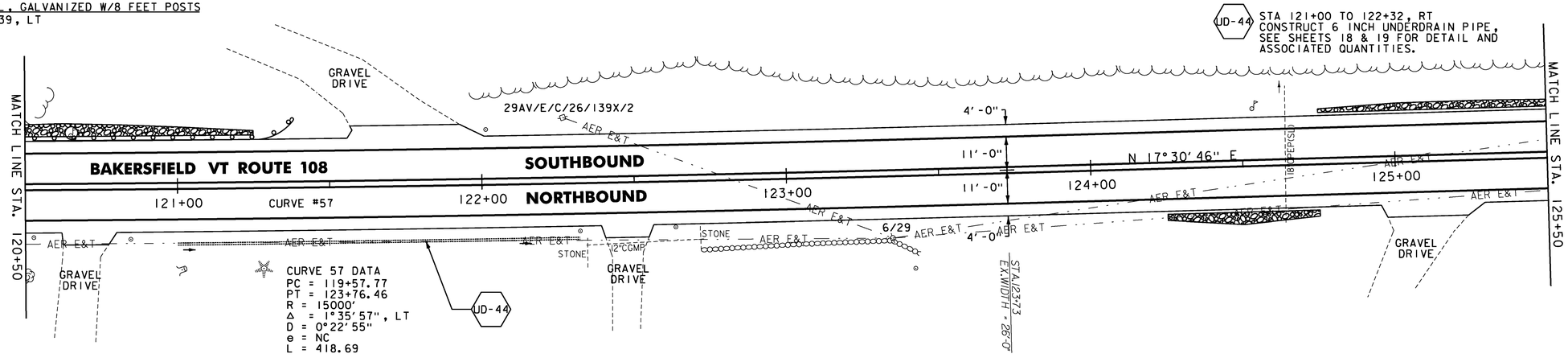
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 120+50 TO 125+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 120+50 TO 125+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 120+50 TO 121+25, LT
STA. 124+25 TO 124+75, RT
STA. 124+75 TO 125+50, LT

GRUBBING MATERIAL
STA. 120+50 TO 121+25, LT
STA. 124+25 TO 124+75, RT
STA. 124+75 TO 125+50, LT

UD-44 STA 121+00 TO 122+32, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE,
SEE SHEETS 18 & 19 FOR DETAIL AND
ASSOCIATED QUANTITIES.



NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #48

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258148.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 74 OF 387

STONE FILL, TYPE I
STA. 125+50 TO 127+53, LT
STA. 128+10 TO 130+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 125+50 TO 130+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 125+50 TO 130+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 125+50 TO 130+50, SOLID LT & RT

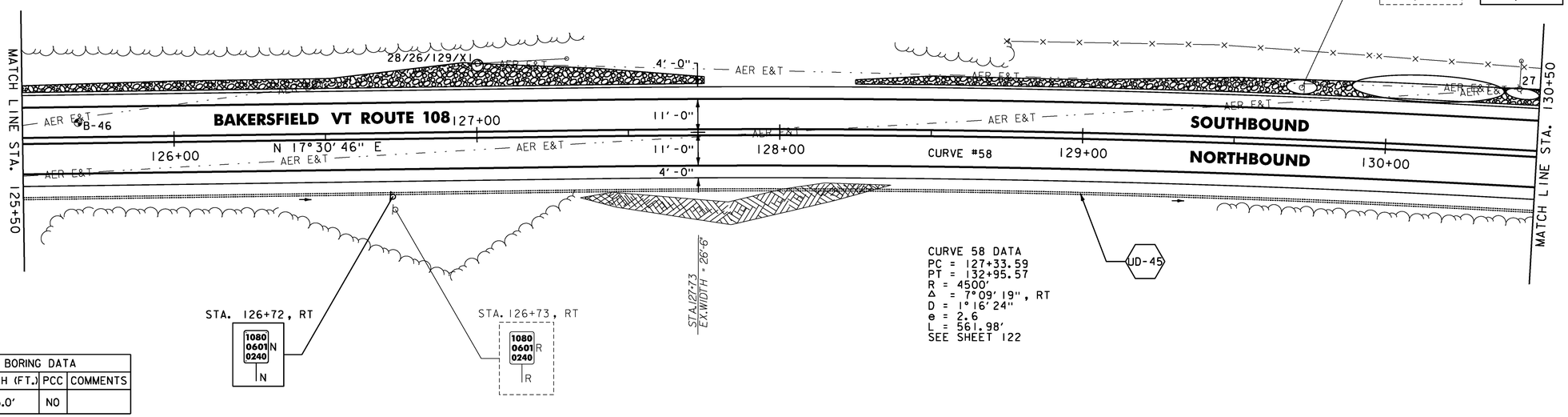
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 125+50 TO 130+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 125+50 TO 127+75, LT
STA. 128+25 TO 130+50, LT

GRUBBING MATERIAL
STA. 125+50 TO 127+75, LT
STA. 128+25 TO 130+50, LT

REMOVING SIGNS
AS SHOWN - 2

UD-45 STA 125+50 TO 132+50, RT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEETS 18 & 19 FOR DETAIL AND ASSOCIATED QUANTITIES.



CURVE 58 DATA
PC = 127+33.59
PT = 132+95.57
R = 4500'
Δ = 7°09'19", RT
D = 1°16'24"
e = 2.6
L = 561.98'
SEE SHEET 122

SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-46	5.0'	NO	

STONE FILL, TYPE I
STA. 130+50 TO 131+00, LT
STA. 131+84 TO 132+77, LT
STA. 133+48 TO 135+50, LT
STA. 134+50 TO 135+00, RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 131+17, LT
STA. 132+82, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 130+50 TO 135+50, SOLID LT & RT

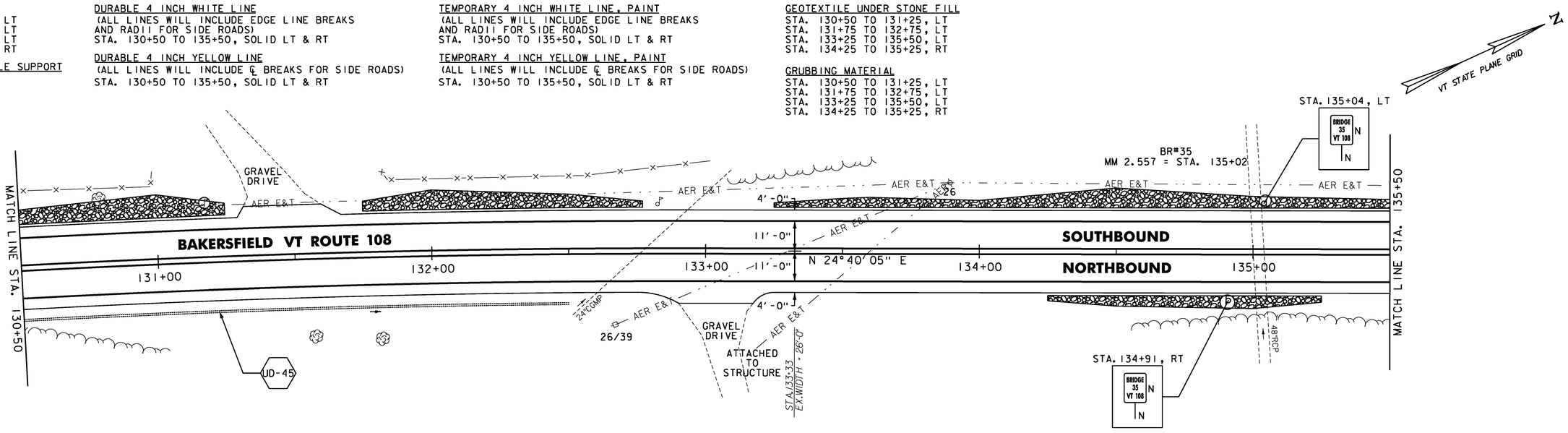
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 130+50 TO 135+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 130+50 TO 135+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 130+50 TO 135+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 130+50 TO 131+25, LT
STA. 131+75 TO 132+75, LT
STA. 133+25 TO 135+50, LT
STA. 134+25 TO 135+25, RT

GRUBBING MATERIAL
STA. 130+50 TO 131+25, LT
STA. 131+75 TO 132+75, LT
STA. 133+25 TO 135+50, LT
STA. 134+25 TO 135+25, RT



NOT TO SCALE

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

PROJECT LAYOUT SHEET #49

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l49.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 75 OF 387

STONE FILL, TYPE I
STA. 135+50 TO 136+50, LT
STA. 140+25 TO 140+50, RT
STA. 140+29 TO 140+50, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 135+50 TO 140+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 135+50 TO 140+50, SOLID LT & RT

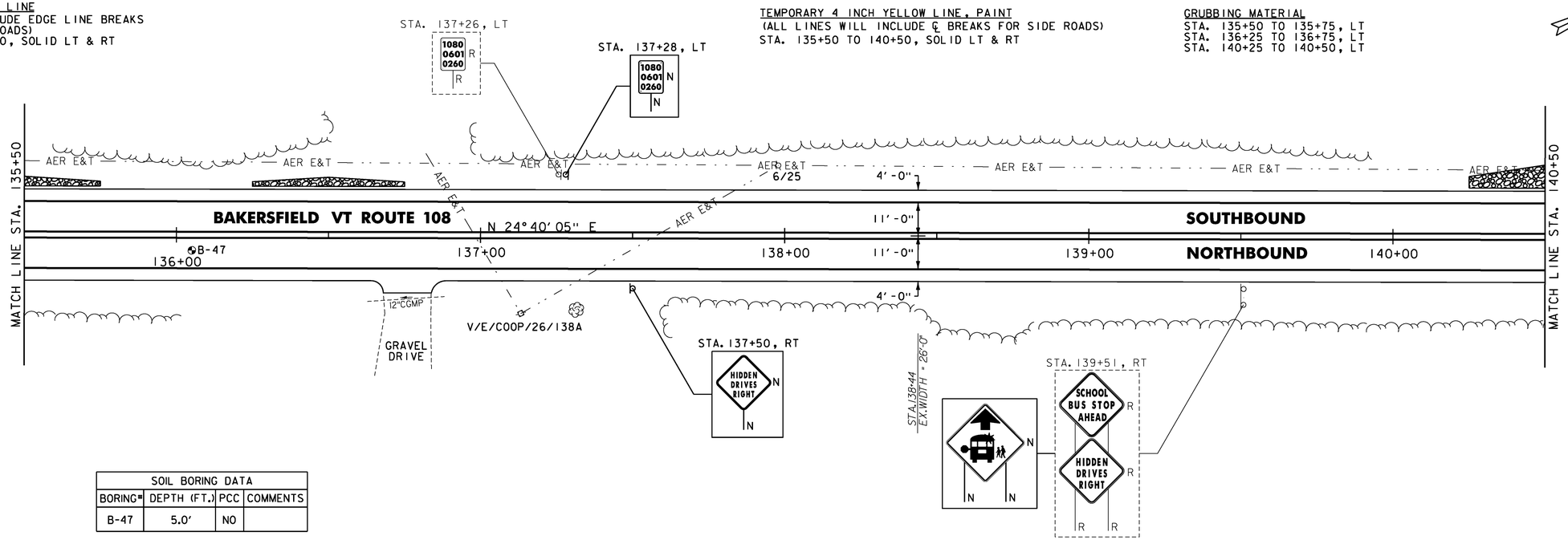
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 135+50 TO 140+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 135+50 TO 140+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 135+50 TO 135+75, LT
STA. 136+25 TO 136+75, LT
STA. 140+25 TO 140+50, LT

GRUBBING MATERIAL
STA. 135+50 TO 135+75, LT
STA. 136+25 TO 136+75, LT
STA. 140+25 TO 140+50, LT

REMOVING SIGNS
AS SHOWN - 3



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-47	5.0'	NO	

STONE FILL, TYPE I
STA. 140+50 TO 140+75, RT
STA. 140+50 TO 142+03, LT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 140+50 TO 145+50, SOLID LT & RT

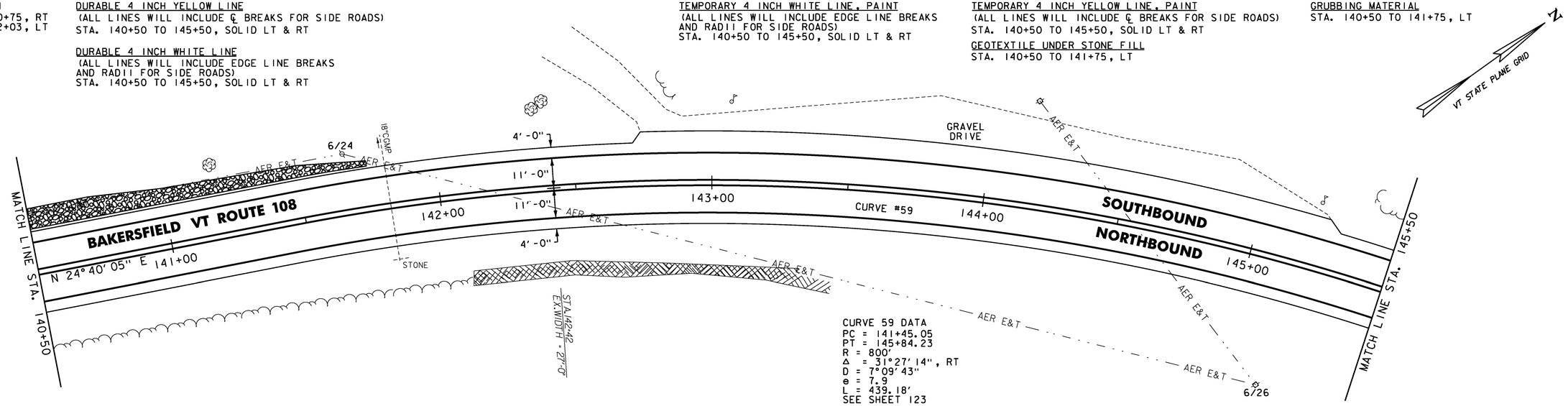
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 140+50 TO 145+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 140+50 TO 145+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 140+50 TO 145+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 140+50 TO 141+75, LT

GRUBBING MATERIAL
STA. 140+50 TO 141+75, LT



CURVE 59 DATA
PC = 141+45.05
PT = 145+84.23
R = 800'
Δ = 31°27'14", RT
D = 7°09'43"
e = 7.9
L = 439.18'
SEE SHEET 123

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #50

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l50.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 76 OF 387

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 147+21, LT
STA. 147+23, LT
STA. 147+24, LT

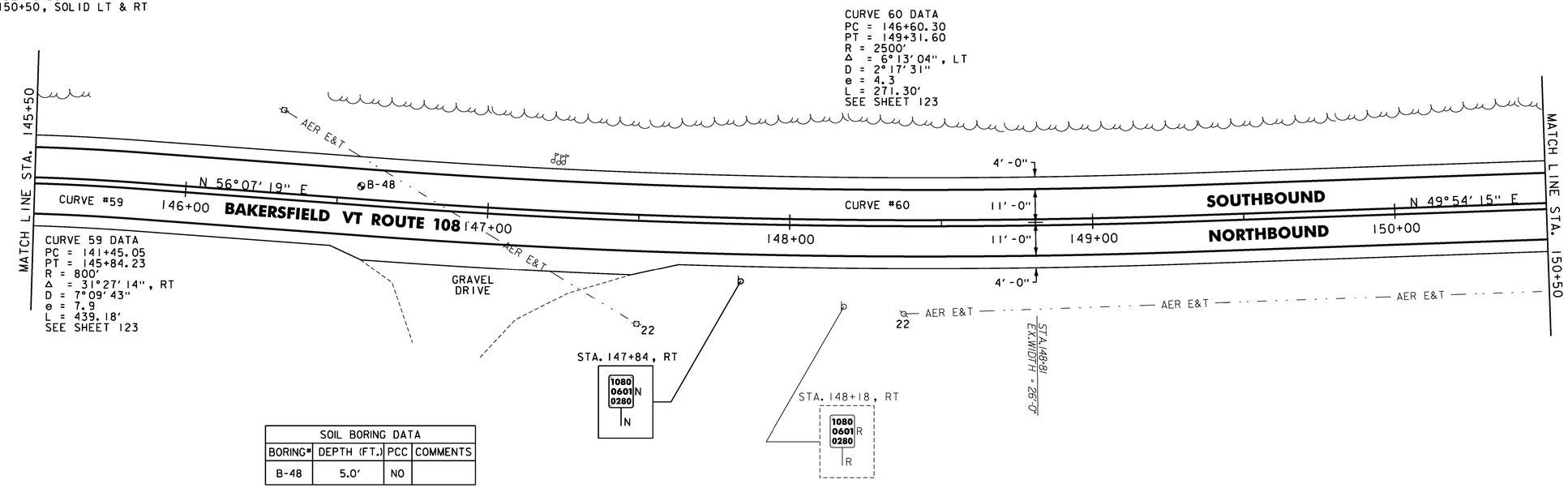
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 145+50 TO 150+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 145+50 TO 150+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 145+50 TO 150+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 145+50 TO 150+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-48	5.0'	NO	

STONE FILL, TYPE I
STA. 152+00 TO 152+80, LT

REHAB. DIS. CBS OR MHS, CLASS I
STA. 150+88, RT "THROAT DI"
SEE DETAIL ON SHEET 25

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 154+04, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 150+50 TO 155+50, SOLID LT & RT

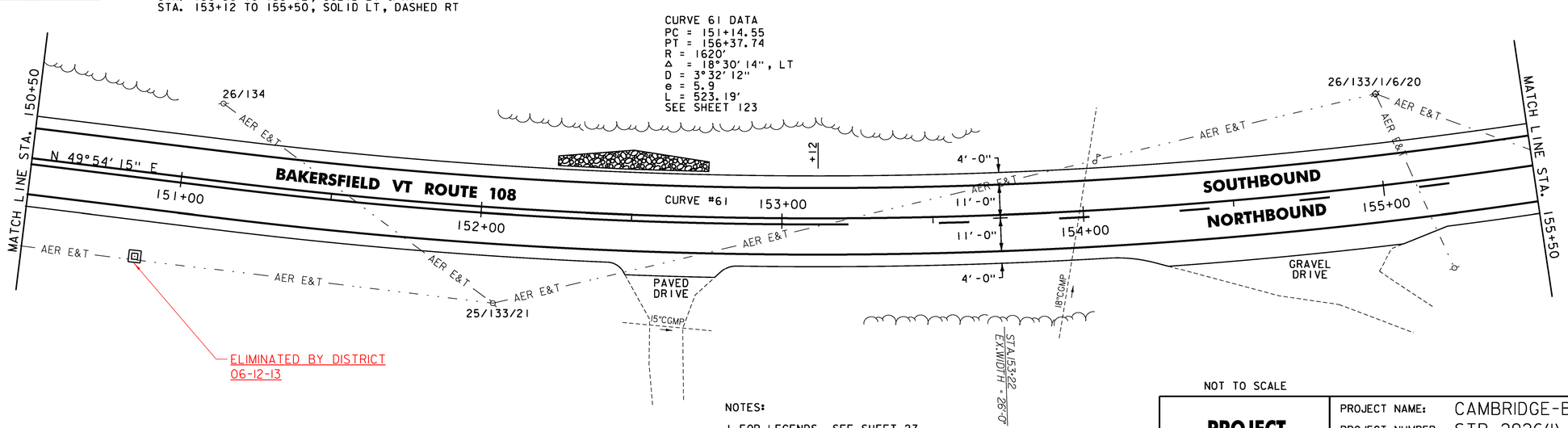
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 150+50 TO 153+12, SOLID LT & RT
STA. 153+12 TO 155+50, SOLID LT, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 150+50 TO 155+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 150+50 TO 153+12, SOLID LT & RT
STA. 153+12 TO 155+50, SOLID LT, DASHED RT

GEOTEXTILE UNDER STONE FILL
STA. 152+25 TO 152+75, LT

GRUBBING MATERIAL
STA. 152+25 TO 152+75, LT



NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

NOT TO SCALE

PROJECT LAYOUT SHEET #51

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258151.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 77 OF 387

STONE FILL, TYPE I
STA. 157+25 TO 160+50, LT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 156+64, LT
STA. 156+65, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 156+91 TO 160+50, LT
STA. 158+18 TO 160+50, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 156+91, LT
STA. 158+18, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 156+90 TO 160+50, LT
STA. 158+21 TO 160+50, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 155+50 TO 160+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 155+50 TO 160+50, SOLID LT, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 155+50 TO 160+50, SOLID LT & RT

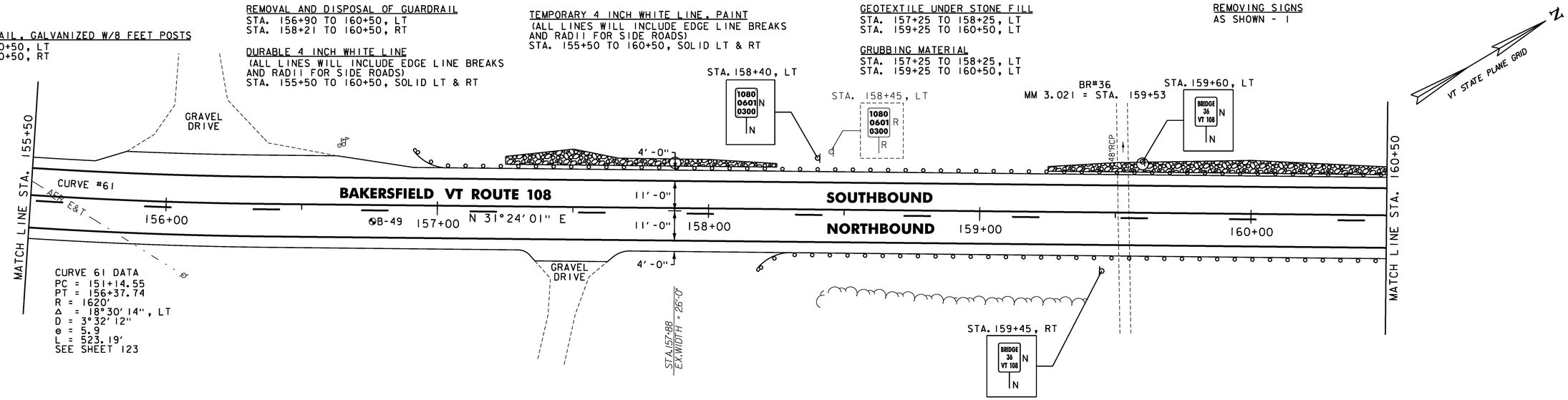
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 155+50 TO 160+50, SOLID LT, DASHED RT

GEOTEXTILE UNDER STONE FILL
STA. 157+25 TO 158+25, LT
STA. 159+25 TO 160+50, LT

GRUBBING MATERIAL
STA. 157+25 TO 158+25, LT
STA. 159+25 TO 160+50, LT

BARRIER FENCE
STA. 158+00 TO 160+50, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

REMOVING SIGNS
AS SHOWN - 1



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-49	5.0'	NO	

ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
26.	158+00 TO 160+50	LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 160+50 TO 162+05.5, RT
STA. 160+50 TO 162+16, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 162+05.5, RT
STA. 162+16, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 160+50 TO 162+06, RT
STA. 160+50 TO 162+13, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 160+50 TO 165+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 160+50 TO 161+83, SOLID LT, DASHED RT
STA. 161+83 TO 165+50, DASHED ℄

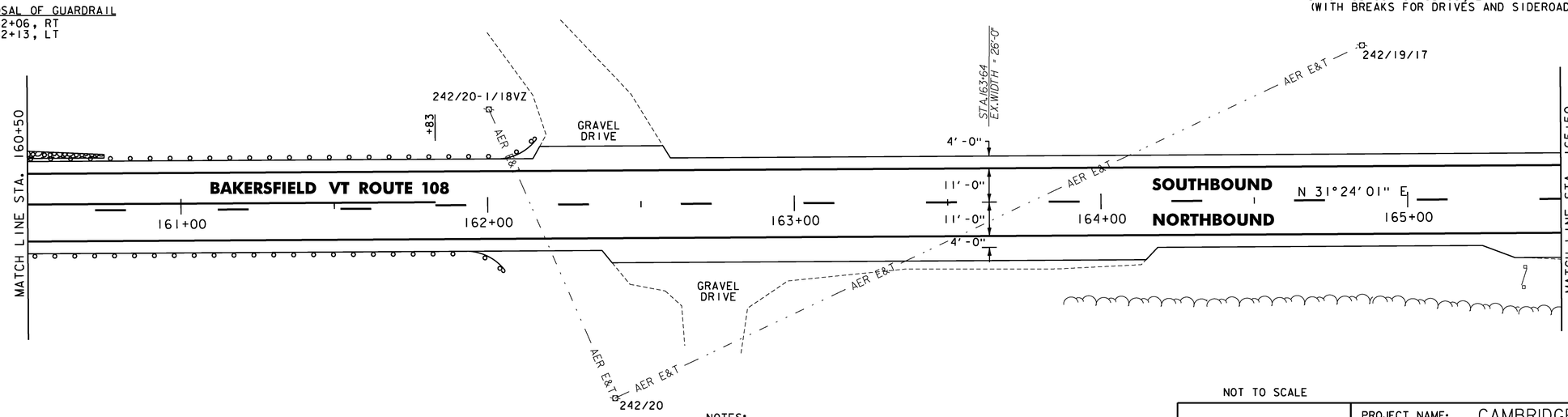
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 160+50 TO 165+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 160+50 TO 161+83, SOLID LT, DASHED RT
STA. 161+83 TO 165+50, DASHED ℄

BARRIER FENCE
STA. 160+50 TO 161+00, LT
STA. 163+00 TO 165+00, LT
(WITH BREAKS FOR DRIVES AND SIDEROADS)

GEOTEXTILE UNDER STONE FILL
STA. 160+50 TO 160+75, LT

GRUBBING MATERIAL
STA. 160+50 TO 160+75, LT



ENVIRONMENTALLY SENSITIVE LOCATIONS:

NO.	LIMITS	POSITION
26.	160+50 TO 161+00	LT
27.	163+00 TO 165+00	LT

NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

Stantec

NOT TO SCALE

PROJECT LAYOUT SHEET #52

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258l52.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 78 OF 387

THINNING AND TRIMMING FOR SIGNS
STA. 168+96, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 165+50 TO 170+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 165+50 TO 166+32, DASHED ℄
STA. 166+32 TO 170+50, DASHED LT, SOLID RT

DURABLE 8 INCH WHITE LINE
STA. 170+21 TO 170+33, RT (HYDRANT)
(SEE DETAIL ON SHEET 25)

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 165+50 TO 170+50, SOLID LT & RT

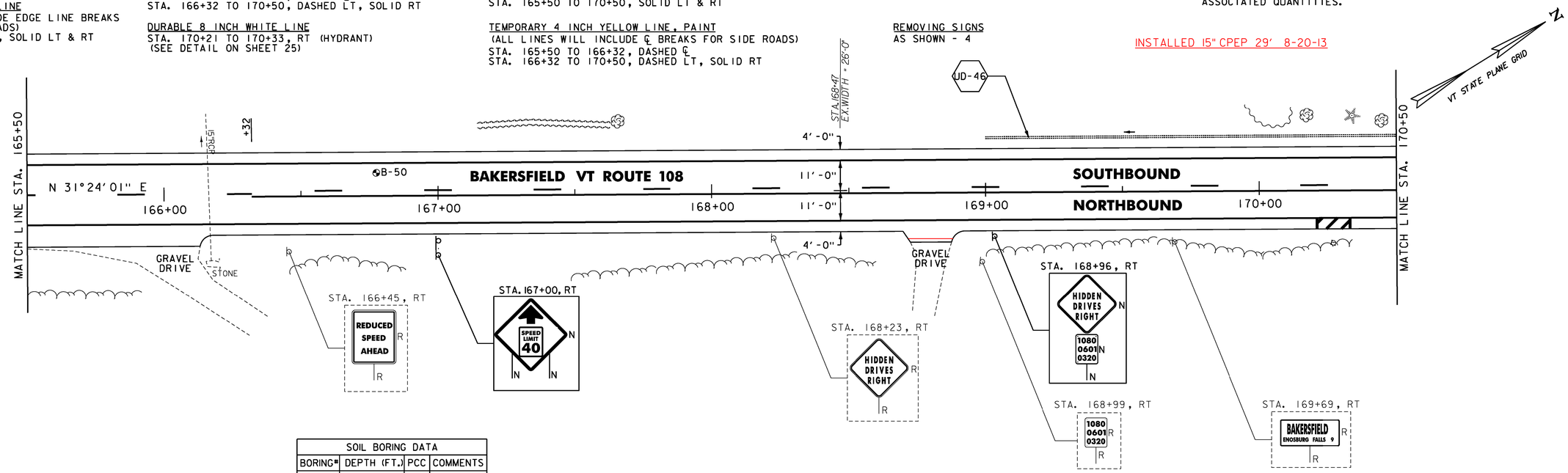
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 165+50 TO 166+32, DASHED ℄
STA. 166+32 TO 170+50, DASHED LT, SOLID RT

TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 170+21 TO 170+33, RT (HYDRANT)
(SEE DETAIL ON SHEET 25)

UD-46 STA 169+00 TO 174+00, LT
CONSTRUCT 6 INCH UNDERDRAIN PIPE, SEE SHEETS 18 & 19 FOR DETAIL AND ASSOCIATED QUANTITIES.

REMOVING SIGNS
AS SHOWN - 4

INSTALLED 15" CPEP 29' 8-20-13



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-50	5.0'	NO	

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 172+34, RT

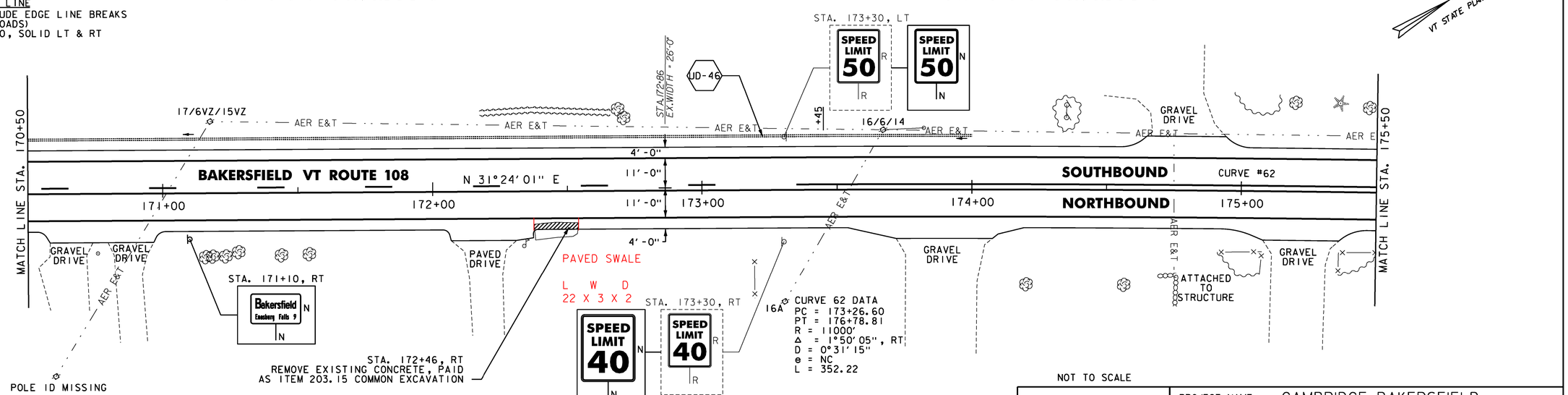
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 170+50 TO 175+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 170+50 TO 173+45, DASHED LT, SOLID RT
STA. 173+45 TO 175+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 170+50 TO 175+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 170+50 TO 173+45, DASHED LT, SOLID RT
STA. 173+45 TO 175+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 2



NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #53

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258I53.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 79 OF 387

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 178+27, LT
STA. 178+32, LT

RELOCATE MAILBOX, MULTIPLE SUPPORT
STA. 175+76, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 175+50 TO 180+50, SOLID LT & RT

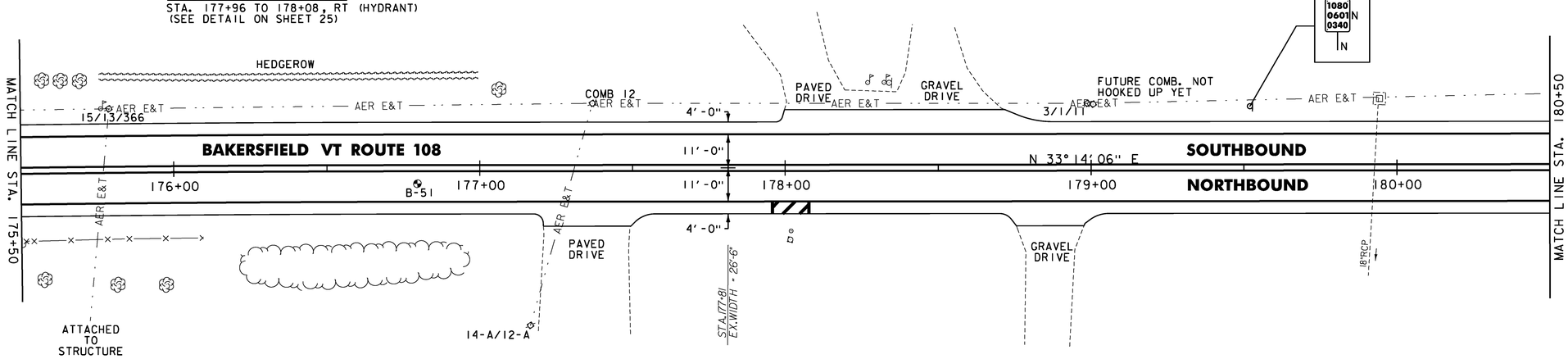
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 175+50 TO 180+50, SOLID LT & RT

DURABLE 8 INCH WHITE LINE
STA. 177+96 TO 178+08, RT (HYDRANT)
(SEE DETAIL ON SHEET 25)

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 175+50 TO 180+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 175+50 TO 180+50, SOLID LT & RT

TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 177+96 TO 178+08, RT (HYDRANT)
(SEE DETAIL ON SHEET 25)



SOIL BORING DATA			
BORING#	DEPTH (FT.)	PCC	COMMENTS
B-51	5.0'	NO	

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 183+24, LT

REHAB. DIS, CBS OR MHS, CLASS I
STA. 183+54, LT "D1"

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 180+50 TO 183+79.68, SOLID LT & RT

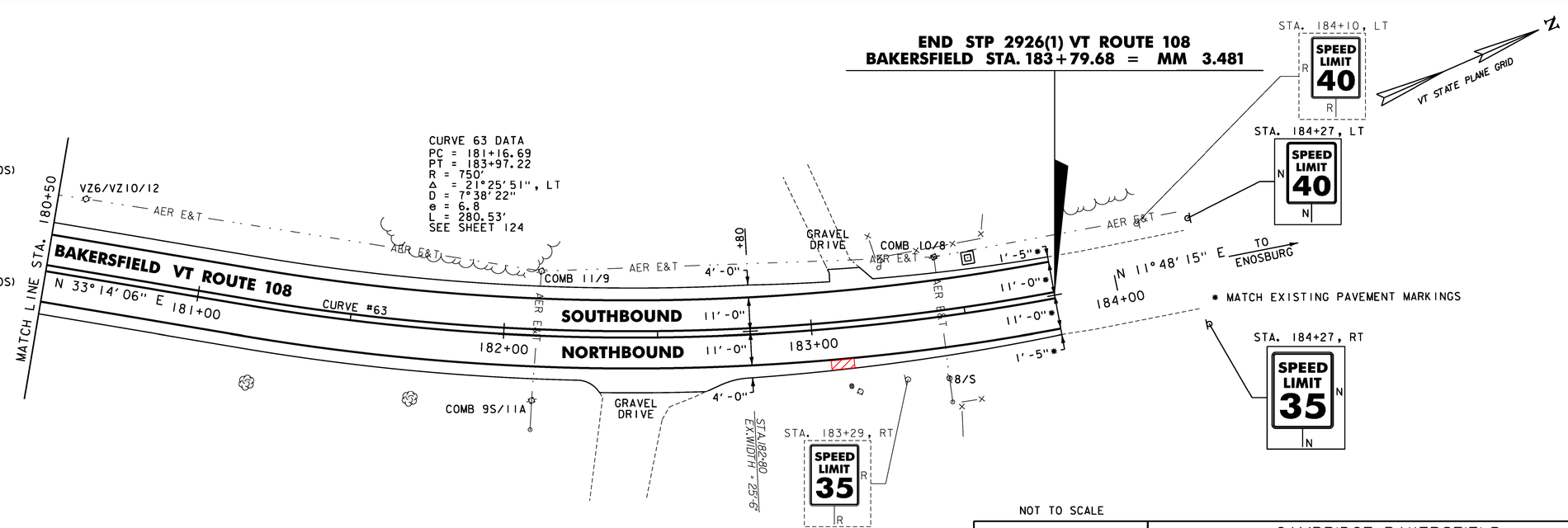
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 180+50 TO 183+79.68, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 180+50 TO 183+79.68, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 180+50 TO 183+79.68, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 2

END STP 2926(1) VT ROUTE 108
BAKERSFIELD STA. 183+79.68 = MM 3.481



NOTES:

1. FOR LEGENDS, SEE SHEET 27.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEET 14.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #54

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258154.i
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 80 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 01

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 (1.88)	2.0 (2.42)	2.5 (3.35)	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 (1.3)	4.0 (1.7)	4.0 MOD (1.7)	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0 (7.6)	3.5 (9.0)	4.0 (10.8)	5.0 (14.6)	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
CAMBRIDGE																																				
494+86, LT		1	30	30	6.25						1					X		X															WII-7	X		
		1	24	12	2.00																												WI6-9P	X		
496+32, RT		1	21	15	2.19						1					X		X															M2-1 GREEN ON WHITE			E-136B
		1	30	24	5.00																												MI-5			E-136B
		1	6	10	0.42																												VD-700			E-138
497+00, LT	Jeffersonville 1	1	72	12	6.00						2					X		X															VD2-1		97	
	Smugglers Notch 8	1	72	12	6.00																												VD2-1		97	
498+50, RT	↑ Bakersfield 10	1	72	12	6.00																												VDI-1a		97	
	Waterville 4 →	1	72	12	6.00						2												2	X									VDI-1a		97	
	Belvidere 10 →	1	72	12	6.00																												VDI-1a		97	
499+14, LT		1	24	24	4.00						1					X		X															RS-044 WHITE ON BROWN	X		
		1	21	15	2.19																												M6-1 WHITE ON BROWN	X		
500+53, RT	NORTH VERMONT 108 ↑	1	24	12	2.00																												M3-1 GREEN ON WHITE			E-136B
		1	30	24	5.00																												MI-5			E-136B
		1	21	15	2.19																												M6-3 GREEN ON WHITE			E-136B
	NORTH VERMONT 109 →	1	24	12	2.00						1												1	X									M3-1 GREEN ON WHITE			E-136B
		1	30	24	5.00																												MI-5			E-136B
		1	21	15	2.19																												M6-1 GREEN ON WHITE			E-136B
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."												FT	FT	FT	FT	FT 77	FT		EA	LB	LB	LB		LB 290	LB	LB	LB								
	TOTALS				SF 70.43	SF	EA.	SF				FT			FT 77					LB			EA. 3	LB 290				EA.	EA.	LB					

TRAFFIC SIGN SUMMARY SHEET #1

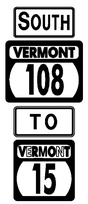
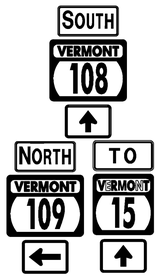
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss01.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 81 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 02

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.88	SQUARE STEEL (in) lb/ft 2.42	SQUARE STEEL (in) lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	TUBULAR ALUMINUM Ø (in) lb/ft 4.0	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD	TUBULAR STEEL Ø (in) FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0	TUBULAR STEEL Ø (in) lb/ft 3.5	TUBULAR STEEL Ø (in) lb/ft 4.0	TUBULAR STEEL Ø (in) lb/ft 5.0	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
CAMBRIDGE CONT.																																				
500+97, LT		1	24	12	2.00						1											1	X									M3-3 GREEN ON WHITE			E-136B
		1	30	24	5.00																											MI-5			E-136B
		1	24	12	2.00																											M4-5 GREEN ON WHITE			E-136B
		1	24	24	4.00																											MI-5			E-136B
501+42, RT		1	24	30	5.00						1					X		X														R2-1	X		
		1	6	10	0.42																											VD-700			E-138
501+80, LT		1	48	24	8.00						2					X		X														WI-7	X		
501+97, RT		1	30	30	6.25						1					X		X														RI-1	X		
		1	6	10	0.42																											VD-700			E-138
502+31, LT		1	24	12	2.00						1											1	X								#2	M3-3 GREEN ON WHITE			E-136B
		1	30	24	5.00																											MI-5			E-136B
		1	21	15	2.19																											M6-3 GREEN ON WHITE			E-136B
		1 1	24 24	12 12	2.00 2.00																											M3-1 GREEN ON WHITE M4-5 GREEN ON WHITE			E-136B E-136B
		1	30	24	5.00																											MI-5			E-136B
		1	24	24	4.00																											MI-5			E-136B
		1 1	21 21	15 15	2.19 2.19																											M6-1 GREEN ON WHITE M6-3 GREEN ON WHITE			E-136B E-136B
502+75, RT		1	6	8	0.33						1				X			X														VD-701			E-134
503+04, LT		1	6	8	0.33						1				X			X														VD-701			E-134
												FT	FT	FT	FT 23	FT 60	FT		EA	LB	LB	LB		LB 122	LB 153	LB	LB							
TOTALS					SF 60.32	SF	EA.	SF				FT			FT 83					LB			EA. 2	LB 275				EA.	EA.	LB				

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #2

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss02.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 82 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 03

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
CAMBRIDGE CONT.																																				
503+25, RT	Bakersfield 10	1	72	12	6.00																												VD2-1		98	
	Enosburg Falls 19	1	72	12	6.00																												VD2-1		98	
	NORTH	1	24	12	2.00						2						X	X															M3-1 GREEN ON WHITE			E-136B
	VERMONT 108	1	30	24	5.00																												MI-5 INSTALL POSTS USING TWO ITEM 900.620 SPECIAL PROVISION (SOIL BEARING SLIP BASE) (2 1/2")			E-136B
504+37, LT	↑ Jeffersonville 1	1	72	12	6.00																												VDI-1a		97	
	← Waterville 4	1	72	12	6.00						2												2	X									VDI-1a		97	
	← Belvidere 10	1	72	12	6.00																												VDI-1a		98	
505+37, RT	SPEED LIMIT 50	1	24	30	5.00						1					X		X															R2-1	X		
506+31, LT	JCT	1	21	15	2.19																												M2-1 GREEN ON WHITE			E-136B
	VERMONT 109	1	30	24	5.00						1						X	X															MI-5			E-136B
	1080 0802 0960	1	6	10	0.42																												VD-700			E-138
507+56, RT		1	30	30	6.25						1						X	X															WII-3	X		
	NEXT 4 MILES	1	24	18	3.00																												W7-3aP	X		
512+98, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X															VR-017			E-141
513+24, RT	Fisher Rd	1	36	12	3.00																												D3-1 INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER ABOVE STOP SIGN		98	
	Vt Rte 108 N	1	54	12	4.50						2					X		X															D3-1		98	
	STOP	1	30	30	6.25																												RI-1	X		
	1080 0802 0972 B-B	1	6	10	0.42																												VD-700			E-138
											FT	FT	FT	FT	FT 62	FT 73		EA	LB	LB	LB		LB 168	LB	LB	LB									
TOTALS					SF 78.03	SF	EA.	SF			FT			FT 135					LB			EA. 2	LB 168				EA.	EA.	LB						

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #3

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss03.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 83 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 04

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (In)	SIGN DIMENSIONS HEIGHT (In)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (In) lb/ft 1.75	SQUARE STEEL (In) lb/ft 2.0	SQUARE STEEL (In) lb/ft 2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) lb/ft 3.0	TUBULAR ALUMINUM Ø (In) lb/ft 4.0	TUBULAR ALUMINUM Ø (In) lb/ft 4.0 MOD	TUBULAR STEEL Ø (In) FOUND-ATION	TUBULAR STEEL Ø (In) lb/ft 3.0	TUBULAR STEEL Ø (In) lb/ft 3.5	TUBULAR STEEL Ø (In) lb/ft 4.0	TUBULAR STEEL Ø (In) lb/ft 5.0	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
CAMBRIDGE CONT.																																				
514+00, RT		1	30	30	6.25						1						X	X															WI-5	X		
		1	18	18	2.25																												WI3-1P	X		
517+44, RT	1080 0802 0980	1	6	10	0.42						1				X			X															VD-700			E-138
523+48, RT		1	30	30	6.25						1						X	X															WII-10	X		
525+96, RT		1	30	30	6.25						1						X	X															WII-6H INSTALL IN CLOSED POSITION (TYP.)			E-153
527+02, RT	BRIDGE 22 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
527+35, LT	BRIDGE 22 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
528+00, LT	1080 0802 1000	1	6	10	0.42						1				X			X															VD-700			E-138
533+00, LT		1	30	30	6.25						1					X		X															WII-6H INSTALL IN CLOSED POSITION (TYP.)			E-153
534+92, LT		1	30	30	6.25						1					X		X															WII-10	X		
537+00, LT		1	30	30	6.25						1					X		X															WI-5	X		
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."												FT 50	FT 50	FT 60				EA	LB	LB	LB		LB	LB	LB	LB								
	TOTALS				SF 41.25	SF	EA.	SF				FT			FT 160				LB			EA.	LB				EA.	EA.	LB						

TRAFFIC SIGN SUMMARY SHEET #4

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss04.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 84 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 05

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
																				1.3	1.7	1.7		7.6	9.0	10.8	14.6									
CAMBRIDGE CONT.																																				
538+56, RT	1080 0802 1020	1	6	10	0.42						1				X			X															VD-700			E-138
549+12, LT	1080 0802 1040	1	6	10	0.42						1				X			X															VD-700			E-138
559+68, RT	1080 0802 1060	1	6	10	0.42						1				X			X															VD-700			E-138
570+24, LT	1080 0802 1080	1	6	10	0.42						1				X			X															VD-700			E-138
572+69, RT		1	30	30	6.25						1					X		X															WI-5	X		
580+80, RT	1080 0802 1100	1	6	10	0.42						1				X			X															VD-700			E-138
591+36, LT	1080 0802 1120	1	6	10	0.42						1				X			X															VD-700			E-138
599+50, RT		1	36	36	9.00						2					X		X																	100	
601+50, RT	BRIDGE 23 VT 108 1080 0802 1140	1 1	6 6	8 10	0.33 0.42						1				X			X															VD-701 VD-700			E-134 E-138
601+81, LT	BRIDGE 23 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
604+84, LT	Pollander Rd Vt Rte 108 N STOP 1080 0802 1145 B-B	1 1 1 1	42 54 30 6	12 12 30 10	3.50 4.50 6.25 0.42						2					X		X															D3-1 INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER ABOVE STOP SIGN D3-1 R1-1 VD-700	 X 	98 98 	 E-138
												FT	FT	FT	FT 96	FT 83	FT		EA	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 33.52	SF	EA.	SF				FT			FT 179					LB			EA.	LB				EA.	EA.	LB					

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #5

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss05.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 85 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 06

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.75	SQUARE STEEL (in) lb/ft 2.0	SQUARE STEEL (in) lb/ft 2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	TUBULAR ALUMINUM Ø (in) lb/ft 4.0	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD	TUBULAR STEEL Ø (in) FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0	TUBULAR STEEL Ø (in) lb/ft 3.5	TUBULAR STEEL Ø (in) lb/ft 4.0	TUBULAR STEEL Ø (in) lb/ft 5.0	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
CAMBRIDGE CONT.																																				
605+35, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X															VR-017			E-141
609+50, LT	1080 0802 1160	1 1	36 6	36 10	9.00 0.42						2					X		X															VD-700		100	E-138
617+00, RT		1	30	30	6.25						1					X		X															W2-3R	X		
621+42, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X															VR-017			E-141
621+84, RT	NO OUTLET	1	30	30	6.25						1					X		X															W14-2	X		
622+06, RT	Robinson Rd Vt Rte 108 N STOP 1080 0802 1178 B-B	1 1 1 1	42 54 30 6	12 12 30 10	3.50 4.50 6.25 0.42						2					X		X															D3-1 INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER ABOVE STOP SIGN D3-1 R1-1 VD-700	X	98 98	E-138
627+00, LT		1	30	30	6.25						1					X		X															W2-3R VARIATION		100	
633+60, LT	1080 0802 1200	1	6	10	0.42						1				X			X															VD-700			E-138
644+16, RT	1080 0802 1220	1	6	10	0.42						1				X			X															VD-700			E-138
654+72, LT	1080 0802 1240	1	6	10	0.42						1				X			X															VD-700			E-138
												FT	FT	FT	FT 36	FT 150	FT		EA	LB	LB	LB		LB	LB	LB	LB								
												FT			FT 186					LB			EA.	LB				EA.	EA.	LB					
		TOTALS			SF 54.10	SF	EA.	SF																												

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #6

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss06.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 86 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 07

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (In)	HEIGHT (In)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) lb/ft 1.75 (1.88)	2.0 (2.42)	2.5 (3.35)	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) lb/ft 3.0 (1.3)	4.0 (1.7)	4.0 MOD (1.7)	TUBULAR STEEL Ø (In) lb/ft FOUND-ATION	3.0 (7.6)	3.5 (9.0)	4.0 (10.8)	5.0 (14.6)	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
CAMBRIDGE CONT.																																				
665+28, RT	1080 0802 1260	1	6	10	0.42						1				X			X															VD-700			E-138
675+84, LT	1080 0802 1280	1	6	10	0.42						1				X			X															VD-700			E-138
686+40, RT	1080 0802 1300	1	6	10	0.42						1				X			X															VD-700			E-138
693+84, RT	Fletcher / Cambridge Franklin Co / Lamoille Co 1080 0606 0000 1080 0802 1314	1 1 1 1	72 72 6 6	12 12 10 10	6.00 6.00 0.42 0.42						2					X		X															VD-024 VD-025 VD-700 VD-700		97 97	 E-138 E-138
FLETCHER 3+00, RT	SPEED LIMIT 50	1	24	30	5.00						1					X		X															R2-1	X		
4+50, RT	BRIDGE 24 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
5+50, LT	BRIDGE 24 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
10+56, LT	1080 0606 0020	1	6	10	0.42						1				X			X															VD-700			E-138
11+25, RT	BRIDGE 25 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
11+75, LT	BRIDGE 25 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
21+12, RT	1080 0606 0040	1	6	10	0.42						1				X			X															VD-700			E-138
22+45, RT	BRIDGE 26 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
22+70, LT	BRIDGE 26 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
												FT	FT	FT	FT 126	FT 45	FT		EA	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 21.92	SF	EA.	SF				FT			FT 171					LB			EA.	LB				EA.	EA.	LB					

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #7

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss07.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 87 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 08

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 (1.88)	2.0 (2.42)	2.5 (3.35)	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 (1.3)	4.0 (1.7)	4.0 MOD (1.7)	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0 (7.6)	3.5 (9.0)	4.0 (10.8)	5.0 (14.6)	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
FLETCHER CONT.																																				
28+90, LT		1	30	30	6.25						1						X	X															WII-3	X		
	NEXT 4 MILES	1	24	18	3.00																												W7-3aP	X		
31+00, RT	BRIDGE 27 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
31+70, LT	BRIDGE 27 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
	1080 0606 0060	1	6	10	0.42																												VD-700			E-138
34+00, RT		1	36	36	9.00						2					X		X															WI-10R	X		
37+05, LT	Wilson Rd	1	36	12	3.00																												D3-1 INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER ABOVE STOP SIGN		98	
	Bakersfield Rd	1	48	12	4.00						2					X		X															D3-1		98	
	STOP	1	30	30	6.25																												R1-1	X		
	1080 0606 0070 B-B	1	6	10	0.42																												VD-700			E-138
37+61, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X															VR-017			E-141
42+24, RT	1080 0606 0080	1	6	10	0.42						1				X			X															VD-700			E-138
42+88, LT	Lange Rd	1	36	12	3.00						2					X		X															D3-1 INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER		98	
	Bakersfield Rd	1	48	12	4.00																												D3-1		98	
TOTALS					SF 45.42	SF	EA.	SF				FT	FT	FT	FT 37	FT 112	FT 17		EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB					

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #8

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss08.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 88 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 09

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 (1.88)	2.0 (2.42)	2.5 (3.35)	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 (1.3)	4.0 (1.7)	4.0 MOD (1.7)	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0 (7.6)	3.5 (9.0)	4.0 (10.8)	5.0 (14.6)	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
FLETCHER CONT.																																				
45+50, LT		1	36	36	9.00						2					X		X															WI-10L	X		
52+80, LT	1080 0606 0100	1	6	10	0.42						1				X			X															VD-700			E-138
55+91, LT	Lange Rd Bakersfield Rd	1 1	36 48	12 12	3.00 4.00						2					X		X															D3-1 INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER D3-1		98 98	
63+36, RT	1080 0606 0120	1	6	10	0.42						1				X			X															VD-700			E-138
73+92, LT	1080 0606 0140	1	6	10	0.42						1				X			X															VD-700			E-138
84+48, RT	1080 0606 0160	1	6	10	0.42						1				X			X															VD-700			E-138
90+35, RT	BRIDGE 29 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
90+45, LT	BRIDGE 29 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
95+04, LT	1080 0606 0180	1	6	10	0.42						1				X			X															VD-700			E-138
105+60, RT	1080 0606 0200	1	6	10	0.42						1				X			X															VD-700			E-138
												FT	FT	FT	FT 84	FT 67	FT		EA	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 19.18	SF	EA.	SF				FT			FT 151					LB			EA.	LB				EA.	EA.	LB					

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #9

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss09.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 89 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 10

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (In)	HEIGHT (In)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) lb/ft 3.0	4.0	4.0 MOD	TUBULAR STEEL Ø (In) FOUND-ATION	lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
																				1.3	1.7	1.7		7.6	9.0	10.8	14.6									
FLETCHER CONT.																																				
116+16, LT	1080 0606 0220	1	6	10	0.42						1				X			X															VD-700			E-138
118+00, LT	SPEED LIMIT 50	1	24	30	5.00						1					X		X															R2-1	X		
121+70, LT	Short Rd	1	36	12	3.00																												D3-1 INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER ABOVE STOP SIGN		99	
	Bakersfield Rd	1	48	12	4.00						2					X		X															D3-1		98	
	STOP 1080 0606 0230 B-B	1 1	30 6	30 10	6.25 0.42																												R1-1 VD-700	X		E-138
122+00, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X															VR-017			E-141
123+13, RT	Bakersfield | Fletcher	1	72	12	6.00						2					X		X															VD-024		97	
	1080 0601 0000 / 1080 0606 0233	1 1	6 6	10 10	0.42 0.42																												VD-700 VD-700			E-138 E-138
BAKERSFIELD 9+15, RT	BRIDGE 31 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
9+40, LT	BRIDGE 31 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
10+56, LT	1080 0601 0020	1	6	10	0.42						1				X			X															VD-700			E-138
TOTALS					SF 32.01	SF	EA.	SF				FT	FT	FT	FT 50	FT 90	FT 140		EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB					

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #10

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss10.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 90 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 11

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 (1.88)	2.0 (2.42)	2.5 (3.35)	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 (1.3)	4.0 (1.7)	4.0 MOD (1.7)	FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0 (7.6)	3.5 (9.0)	4.0 (10.8)	5.0 (14.6)	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
BAKERSFIELD CONT.																																				
19+55, LT	Jordan Rd	1	36	12	3.00						2					X		X															D3-1 INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER ABOVE STOP SIGN		99	
	Vt Rte 108 S	1	54	12	4.50																												D3-1		99	
	STOP	1	30	30	6.25																												R1-1	X		
	1080 0601 0037 B-B	1	6	10	0.42																												VD-700			E-138
19+83, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X															VR-017			E-141
32+60, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X															VR-017			E-141
32+89, RT	Gambler Rd	1	42	12	3.50																												D3-1 INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER ABOVE STOP SIGN		99	
	Vt Rte 108 S	1	54	12	4.50						2					X		X															D3-1		99	
	STOP	1	30	30	6.25																												R1-1	X		
	1080 0601 0062 B-B	1	6	10	0.42																												VD-700			E-138
42+38, RT		1	30	30	6.25						1					X		X															W2-7R VARIATION		100	
	1080 0601 0080	1	6	10	0.42																												VD-700			E-138
47+30, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X															VR-017			E-141
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS												FT	FT	FT	FT	FT 123	FT		EA	LB	LB	LB		LB	LB	LB	LB								
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."		**TOTALS**			SF 50.51	SF	EA.	SF				FT			FT 123					LB				EA.	LB				EA.	EA.	LB					

TRAFFIC SIGN SUMMARY SHEET #11

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss11.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 91 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 12

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (In)	HEIGHT (In)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) lb/ft 1.75 (1.88)	2.0 (2.42)	2.5 (3.35)	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) lb/ft 3.0 (1.3)	4.0 (1.7)	4.0 MOD (1.7)	TUBULAR STEEL Ø (In) FOUND-ATION	lb/ft 3.0 (7.6)	3.5 (9.0)	4.0 (10.8)	5.0 (14.6)	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
BAKERSFIELD CONT.																																				
47+78, RT	Gambler Rd	1	42	12	3.50																												D3-1 INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER ABOVE STOP SIGN		99	
	Vt Rte 108 S	1	54	12	4.50						2					X		X															D3-1		99	
	STOP	1	30	30	6.25																												R1-1	X		
	1080 0601 0090 B-B	1	6	10	0.42																												VD-700			E-138
49+57, LT	Vt Rte 108 S	1	54	12	4.50																												D3-1		99	
	STOP	1	30	30	6.25						2					X		X															R1-1	X		
	1080 0601 0094 B-B	1	6	10	0.42																												VD-700			E-138
49+80, LT	Lost Nation Rd	1	54	12	4.50						2					X		X															D3-1		99	
49+97, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X															VR-017			E-141
50+45, RT	Vt Rte 108 S	1	54	12	4.50						2					X		X															D3-1		99	
50+92, RT	Old Stage Coach Rd	1	72	12	6.00						2					X		X															D3-1		99	
52+24, RT	BRIDGE 33 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
52+80, LT	BRIDGE 33 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
	1080 0601 0100	1	6	10	0.42																												VD-700			E-138
												FT	FT	FT	FT 22	FT 165	FT		EA	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 46.92	SF	EA.	SF				FT			FT 187					LB			EA.	LB				EA.	EA.	LB					

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #12

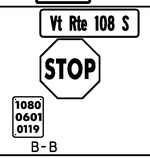
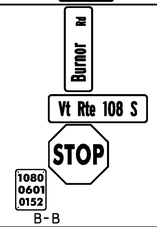
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss12.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 92 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 13

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
																				1.3	1.7	1.7		7.6	9.0	10.8	14.6									
BAKERSFIELD CONT.																																				
54+00, LT		1	30	30	6.25						1					X		X														W2-7L VARIATION		100	
62+73, LT		1	24	30	5.00						1					X		X														VR-017			E-141
62+78, LT		1 1 1	54 30 6	12 30 10	4.50 6.25 0.42						2					X		X														D3-1 R1-1 VD-700 MOUNTED FACING VERMONT ROUTE 108	 X 	99 	 E-138
63+70, LT		1	54	12	4.50						2					X		X														D3-1		99	
72+69, RT		1	6	8	0.33						1				X			X														VD-701			E-134
72+79, LT		1	6	8	0.33						1				X			X														VD-701			E-134
73+92, LT		1	6	10	0.42						1				X			X														VD-700			E-138
80+18, RT		1	24	30	5.00						1					X		X														VR-017			E-141
80+30, RT		1 1 1 1	36 54 30 6	12 12 30 10	3.00 4.50 6.25 0.42						2					X		X														D3-1 INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER ABOVE STOP SIGN D3-1 R1-1 VD-700	 X 	99 99 	 E-138
84+48, RT		1	6	10	0.42						1				X			X														VD-700			E-138
												FT	FT	FT	FT 50	FT 138	FT		EA	LB	LB	LB		LB	LB	LB	LB								
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."					**TOTALS**	SF 47.59	SF	EA.	SF			FT			FT 188					LB			EA.		LB			EA.	EA.	LB					

TRAFFIC SIGN SUMMARY SHEET #13

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss13.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 93 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 14

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
																				1.3	1.7	1.7		7.6	9.0	10.8	14.6									
BAKERSFIELD CONT.																																				
87+50, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X														VR-017			E-141
87+89, RT	Burnor Rd	1	36	12	3.00						2					X		X														D3-1 INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER ABOVE STOP SIGN		99	
	Vt Rte 108 S	1	54	12	4.50																											D3-1		99	
	STOP	1	30	30	6.25																											R1-1	X		
	1080 0601 0166 B-B	1	6	10	0.42																											VD-700			E-138
95+04, LT	1080 0601 0180	1	6	10	0.42						1				X			X														VD-700			E-138
102+75, LT	Whitney Rd	1	42	12	3.50						2					X		X														D3-1 INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER ABOVE STOP SIGN		99	
	Vt Rte 108 S	1	54	12	4.50																											D3-1		99	
	STOP	1	30	30	6.25																											R1-1	X		
	1080 0601 0195 B-B	1	6	10	0.42																											VD-700			E-138
103+29, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X														VR-017			E-141
115+00, RT	HIDDEN DRIVES RIGHT	1	30	30	6.25						1					X		X														VW-054			E-154
116+16, LT	1080 0601 0220	1	6	10	0.42						1				X			X														VD-700			E-138
126+72, RT	1080 0601 0240	1	6	10	0.42						1				X			X														VD-700			E-138
129+72, LT	HIDDEN DRIVES LEFT	1	30	30	6.25						1						X	X														VW-133			E-154
134+91, RT	BRIDGE 35 VT 108	1	6	8	0.33						1				X			X														VD-701			E-134
												FT	FT	FT	FT 42	FT 106	FT 20		EA	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 52.93	SF	EA.	SF				FT			FT 168					LB			EA.	LB				EA.	EA.	LB					

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #14

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss14.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 94 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 15

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (In)	SIGN DIMENSIONS HEIGHT (In)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (In) lb/ft 1.75	SQUARE STEEL (In) lb/ft 2.0	SQUARE STEEL (In) lb/ft 2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) lb/ft 3.0	TUBULAR ALUMINUM Ø (In) lb/ft 4.0	TUBULAR ALUMINUM Ø (In) lb/ft 4.0 MOD	TUBULAR STEEL Ø (In) FOUND-ATION	TUBULAR STEEL Ø (In) lb/ft 3.0	TUBULAR STEEL Ø (In) lb/ft 3.5	TUBULAR STEEL Ø (In) lb/ft 4.0	TUBULAR STEEL Ø (In) lb/ft 5.0	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
BAKERSFIELD CONT.																																				
135+04, LT	BRIDGE 35 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
137+28, LT	1080 0601 0260	1	6	10	0.42						1				X			X															VD-700			E-138
137+50, RT	HIDDEN DRIVES RIGHT	1	30	30	6.25						1					X		X															VW-054			E-154
139+51, RT		1	36	36	9.00						2					X		X															S3-1 (FLUORESCENT YELLOW-GREEN)	X		
147+84, RT	1080 0601 0280	1	6	10	0.42						1				X			X															VD-700			E-138
158+40, LT	1080 0601 0300	1	6	10	0.42						1				X			X															VD-700			E-138
159+45, RT	BRIDGE 36 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
159+60, LT	BRIDGE 36 VT 108	1	6	8	0.33						1				X			X															VD-701			E-134
167+00, RT	SPEED LIMIT 40	1	36	36	9.00						2					X		X															W3-5	X		
168+96, RT	HIDDEN DRIVES RIGHT 1080 0601 0320	1 1	30 6	30 10	6.25 0.42						1						X	X															VW-054 VD-700			E-154 E-138
												FT	FT	FT	FT 76	FT 78	FT 20		EA	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 33.17	SF	EA.	SF				FT			FT 174					LB			EA.	LB				EA.	EA.	LB					

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #15

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss15.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 95 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 16

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.75	SQUARE STEEL (in) lb/ft 2.0	SQUARE STEEL (in) lb/ft 2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	TUBULAR ALUMINUM Ø (in) lb/ft 4.0	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD	TUBULAR STEEL Ø (in) FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0	TUBULAR STEEL Ø (in) lb/ft 3.5	TUBULAR STEEL Ø (in) lb/ft 4.0	TUBULAR STEEL Ø (in) lb/ft 5.0	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
															1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6									
BAKERSFIELD CONT.																																				
171+10, RT	Bakersfield Enosburg Falls 9	1	30	18	3.75						1					X		X																		
173+30, RT	SPEED LIMIT 40	1	30	36	7.50						1					X		X															R2-1	X		
173+30, LT	SPEED LIMIT 50	1	24	30	5.00						1					X		X															R2-1	X		
179+52, LT	1080 0601 0340	1	6	10	0.42						1				X			X															VD-700			E-138
184+27, RT	SPEED LIMIT 35	1	30	36	7.50						1					X		X															R2-1	X		
184+27, LT	SPEED LIMIT 40	1	24	30	5.00						1					X		X															R2-1	X		
	SHEET TOTAL				29.17										10	75																				
	SHEET 81 SUBTOTALS				70.43											77							3	290												
	SHEET 82 SUBTOTALS				60.32										23	60							2	122	153											
	SHEET 83 SUBTOTALS				78.03											62	73						2	168												
	SHEET 84 SUBTOTALS				41.25										50	50	60																			
	SHEET 85 SUBTOTALS				33.52										96	83																				
	SHEET 86 SUBTOTALS				54.10										36	150																				
	SHEET 87 SUBTOTALS				21.92										126	45																				
	SHEET 88 SUBTOTALS				45.42										37	112	17																			
	SHEET 89 SUBTOTALS				19.18										84	67																				
	SHEET 90 SUBTOTALS				32.01										50	90																				
	SHEET 91 SUBTOTALS				50.51											123																				
	SHEET 92 SUBTOTALS				46.92										22	165																				
	SHEET 93 SUBTOTALS				47.59										50	138																				
	SHEET 94 SUBTOTALS				52.93										42	106	20																			
	SHEET 95 SUBTOTALS				33.17										76	78	20																			
	SHEET 96 SUBTOTALS				29.17										10	75																				
	PROJECT SUBTOTALS				716.47										702	1481	190						7	580	153											
	ROUNDING				3.53										3	19	5						-	5	2											
												FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB									
															705	1500	195							585	155											
	TOTALS				SF 720	SF	EA.	SF				FT			FT 2400					LB			EA. 7	LB 740				EA.	EA.	LB						

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

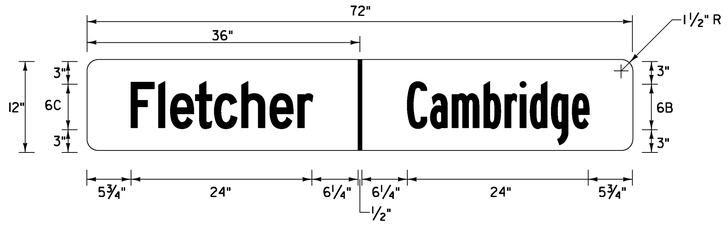
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #16

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tss16.i

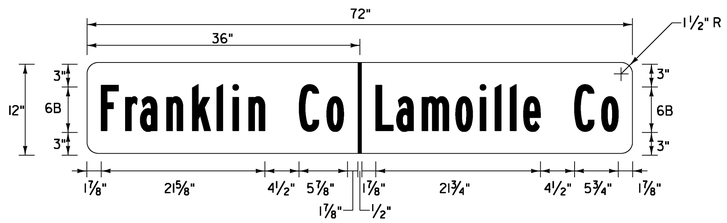
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 96 OF 387



VD–024

LOCATION: CAMBRIDGE STA. 693+84, RT. = FLETCHER STA. 0+00, RT.

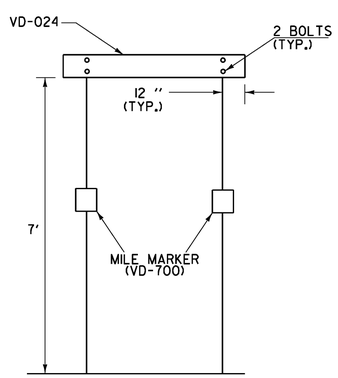
COLOR: WHITE DIVIDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

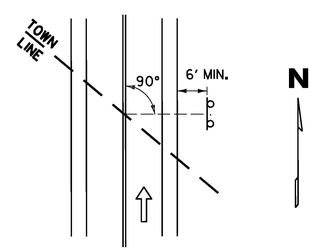


VD–025

LOCATION: CAMBRIDGE STA. 693+84, RT. = FLETCHER STA. 0+00, RT.

COLOR: WHITE DIVIDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)



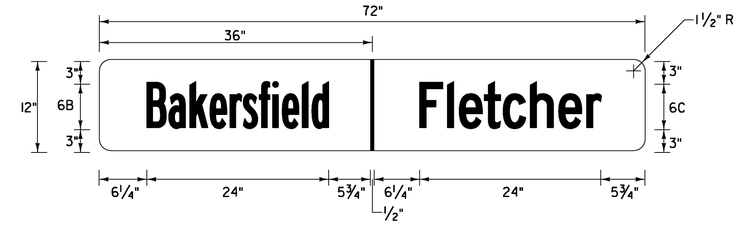


THE SIGN SHALL BE MOUNTED PARALLEL WITH THE ROADWAY, NORMALLY ON RIGHT SIDE TRAVELING WEST TO EAST OR SOUTH TO NORTH.

WHEN CROSSING COUNTY BOUNDARIES AN ADDITIONAL COUNTY LINE SIGN (VD-025) SHALL BE MOUNTED BELOW THE TOWN LINE SIGN (VD-024) MAINTAINING A SEVEN FOOT CLEARANCE.

TOWN LINE SIGN NOTES:

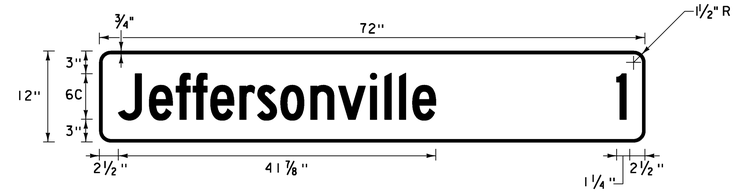
1. WORD TO WORD SPACING FOR MULTIPLE TEXT TOWN NAMES IS ADJUSTABLE TO ACCOMMODATE DIMENSION REQUIREMENTS.
2. DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE VARIOUS MANUFACTURER'S LETTER WIDTHS.
3. ALL DIMENSIONS ARE IN INCHES EXCEPT WHERE NOTED.
4. THE SIGN BASE MATERIAL SHALL BE FLAT SHEET ALUMINUM 0.125" MINIMUM THICKNESS. THE RETROREFLECTIVE MATERIAL SHALL BE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. THE LEGEND SHALL BE CUT-OUT RETROREFLECTIVE LEGEND. ALL RETROREFLECTIVE MATERIAL SHALL BE EQUAL TO OR EXCEEDING THE "THE AMERICAN SOCIETY OF TESTING AND MATERIALS" (ASTM) D 4956 TYPE III.
5. SIGNS SHALL HAVE A RETROREFLECTIVE WHITE LEGEND ON A RETROREFLECTIVE GREEN BACKGROUND.
6. LEGEND SHALL CONFORM WITH THE STANDARD ALPHABETS FOR HIGHWAY SIGNS APPROVED BY THE NATIONAL JOINT COMMITTEE ON UNIFORM TRAFFIC CONTROL DEVICES.



VD–024

LOCATION: FLETCHER STA. 123+13, RT. = BAKERSFIELD STA. 0+00, RT.

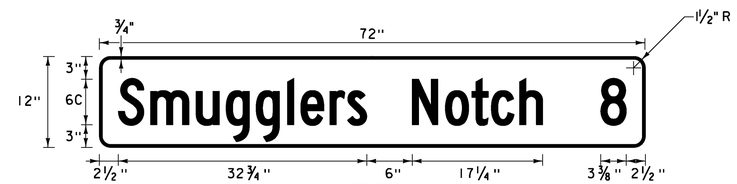
COLOR: WHITE DIVIDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)



VD2–1

LOCATION: CAMBRIDGE STA. 497+00, LT

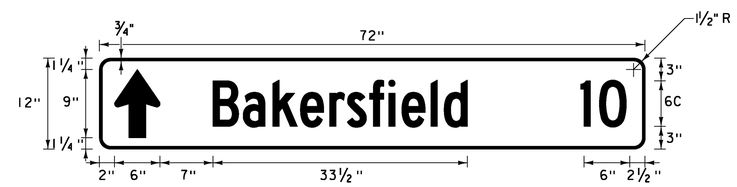
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM



VD2–1

LOCATION: CAMBRIDGE STA. 497+00, LT

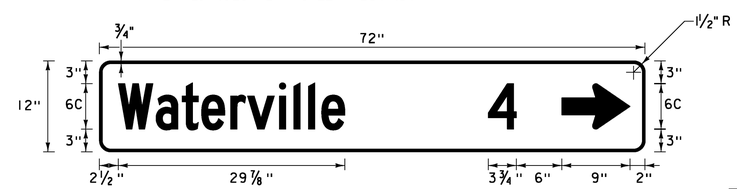
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM



VD1–1a

LOCATION: CAMBRIDGE STA. 498+50, RT

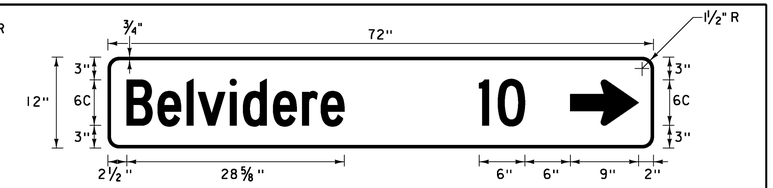
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM



VD1–1a

LOCATION: CAMBRIDGE STA. 498+50, RT

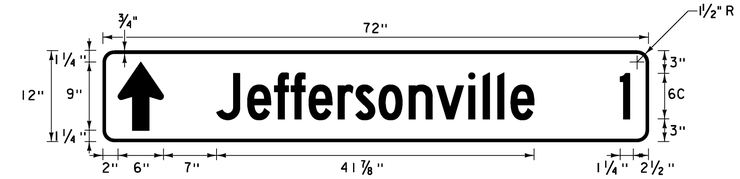
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM



VD1–1a

LOCATION: CAMBRIDGE STA. 498+50, RT

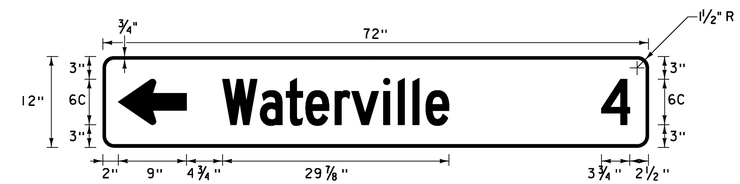
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM



VD1–1a

LOCATION: CAMBRIDGE STA. 504+37, LT

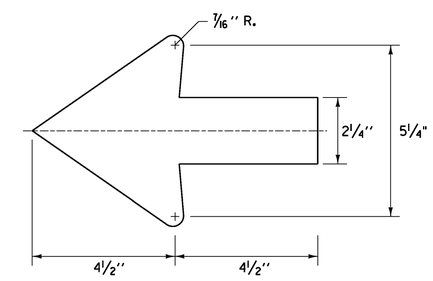
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM



VD1–1a

LOCATION: CAMBRIDGE STA. 504+37, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM



STANDARD SHSM 2.25" ARROW

NOT TO SCALE

NOTE: SEE TRAFFIC SIGN NOTES ON SHEET 101

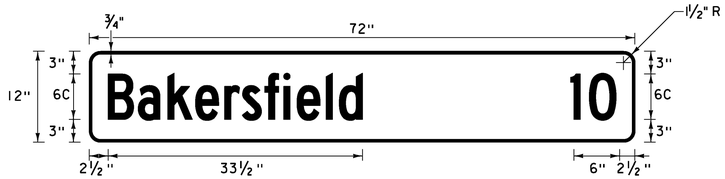
TRAFFIC SIGN DETAIL SHEET #1

Stantec

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tsd01.i

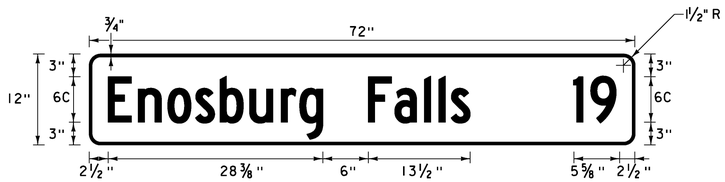
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 97 OF 387



VD2-1

LOCATION: CAMBRIDGE STA. 503+25, RT

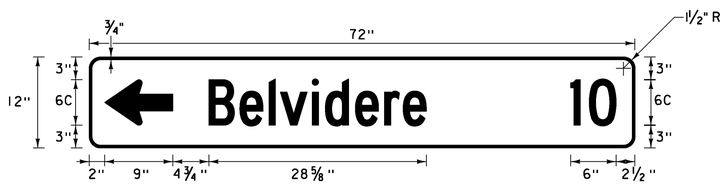
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM



VD2-1

LOCATION: CAMBRIDGE STA. 503+25, RT

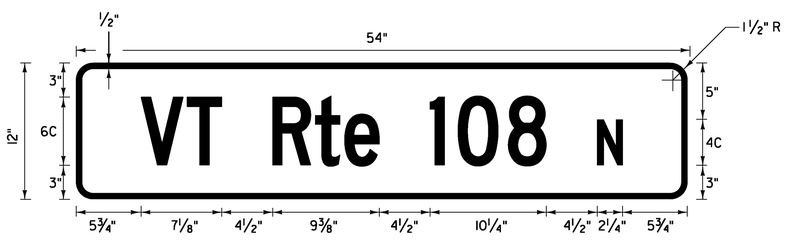
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM



VD1-1a

LOCATION: CAMBRIDGE STA. 504+37, LT

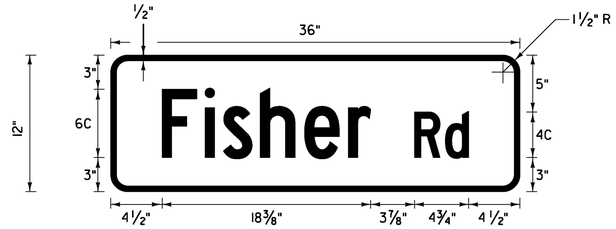
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.125" FLAT SHEET ALUMINUM



D3-1

LOCATION: CAMBRIDGE STA. 513+24, RT
CAMBRIDGE STA. 604+84, LT
CAMBRIDGE STA. 622+06, RT

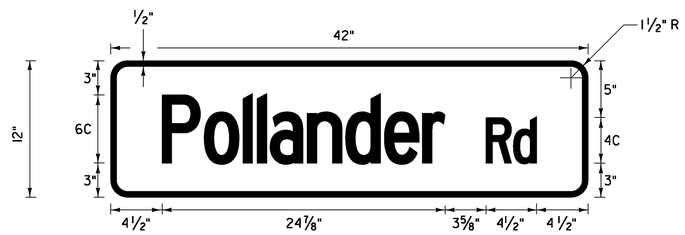
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



D3-1

LOCATION: CAMBRIDGE STA. 513+24, RT

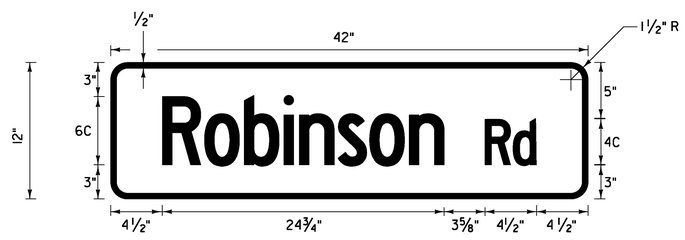
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



D3-1

LOCATION: CAMBRIDGE STA. 604+84, LT

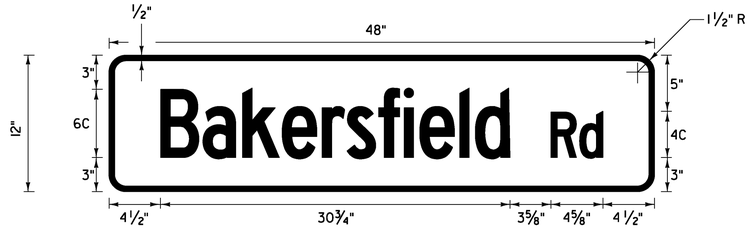
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



D3-1

LOCATION: CAMBRIDGE STA. 622+06, RT

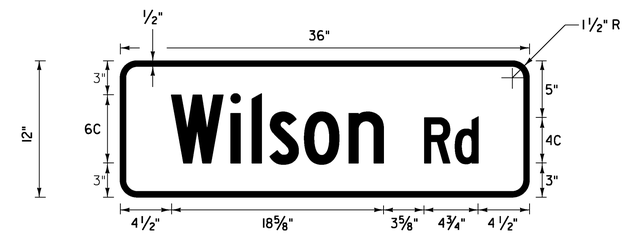
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



D3-1

LOCATION: FLETCHER STA. 37+05, LT
FLETCHER STA. 42+88, LT
FLETCHER STA. 55+91, LT
FLETCHER STA. 121+70, LT

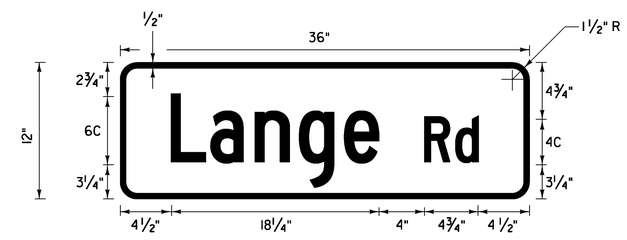
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



D3-1

LOCATION: FLETCHER STA. 37+05, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



D3-1

LOCATION: FLETCHER STA. 42+88, LT
FLETCHER STA. 55+91, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.

NOT TO SCALE

NOTE: SEE TRAFFIC SIGN NOTES ON SHEET 101

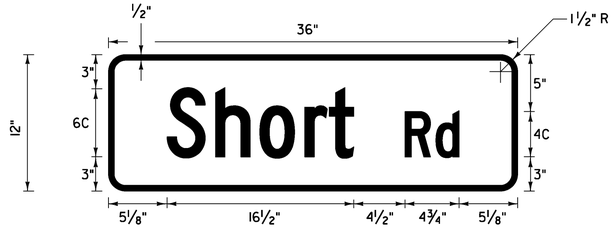
Stantec

TRAFFIC SIGN DETAIL SHEET #2

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tsd02.i

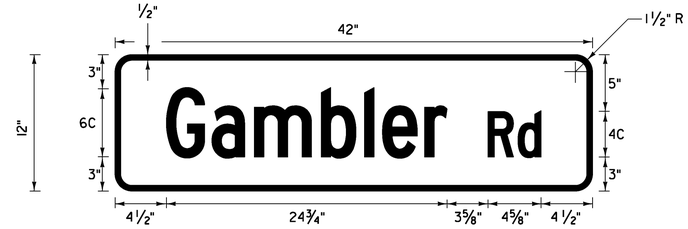
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 98 OF 387



D3-1

LOCATION: FLETCHER STA. 121+70, LT

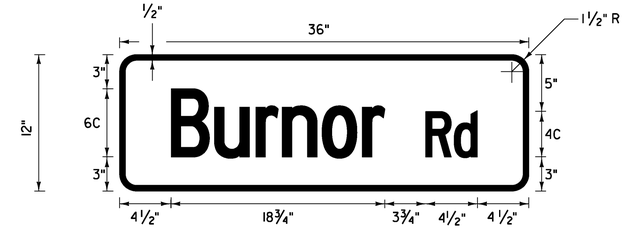
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



D3-1

LOCATION: BAKERSFIELD STA. 32+89, RT
BAKERSFIELD STA. 47+78, RT

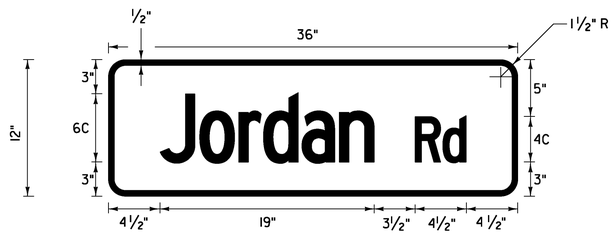
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



D3-1

LOCATION: BAKERSFIELD STA. 80+30, RT
BAKERSFIELD STA. 87+89, RT

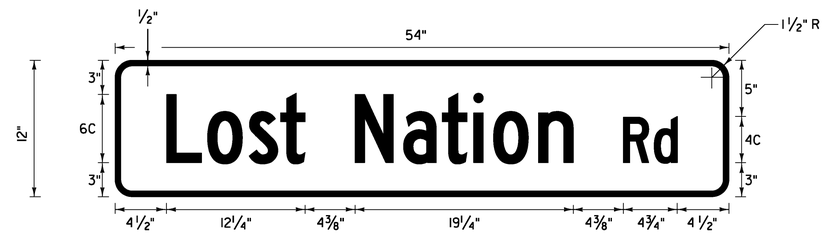
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



D3-1

LOCATION: BAKERSFIELD STA. 19+55, LT

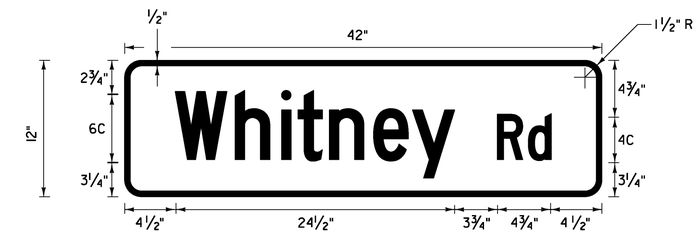
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



D3-1

LOCATION: BAKERSFIELD STA. 49+80, LT
BAKERSFIELD STA. 63+70, LT

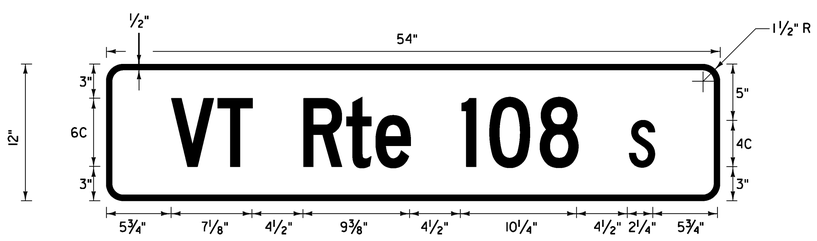
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



D3-1

LOCATION: BAKERSFIELD STA. 102+75, LT

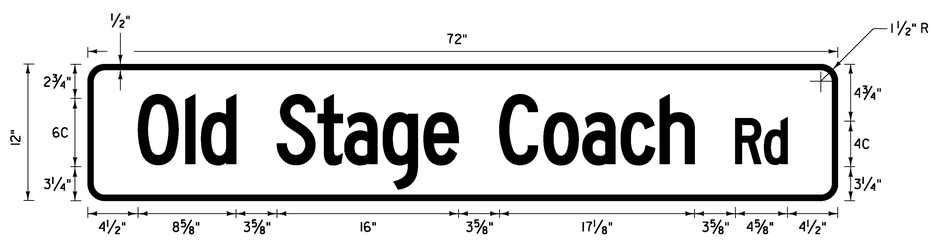
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



D3-1

LOCATION: BAKERSFIELD STA. 19+55, LT
BAKERSFIELD STA. 32+89, RT
BAKERSFIELD STA. 47+78, RT
BAKERSFIELD STA. 49+57, LT
BAKERSFIELD STA. 50+45, RT
BAKERSFIELD STA. 62+78, LT
BAKERSFIELD STA. 80+30, RT
BAKERSFIELD STA. 87+89, RT
BAKERSFIELD STA. 102+75, LT

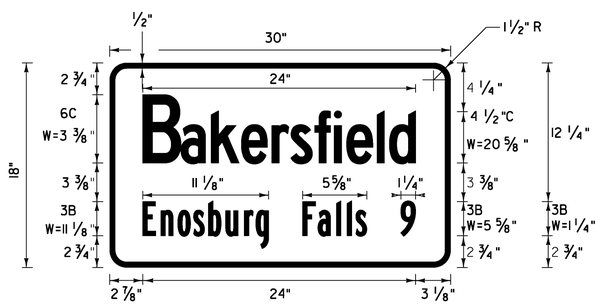
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



D3-1

LOCATION: BAKERSFIELD STA. 50+92, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.



LOCATION: BAKERSFIELD STA. 171+10, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TABLE ON SHEET 101.

NOT TO SCALE

NOTE: SEE TRAFFIC SIGN NOTES ON SHEET 101

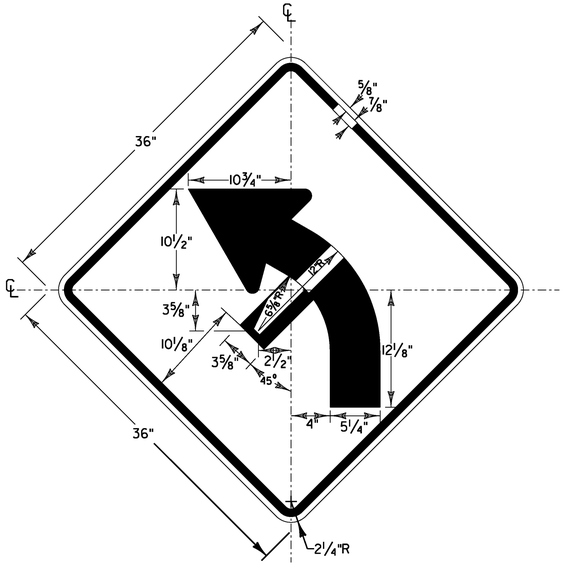
Stantec

TRAFFIC SIGN DETAIL SHEET #3

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tsd03.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 99 OF 387

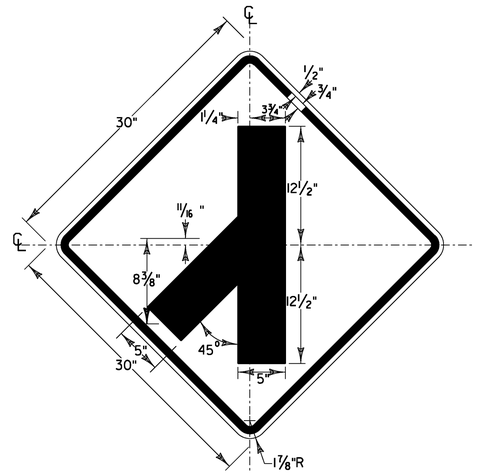


W1-10L VARIATION

LOCATION: CAMBRIDGE STA. 559+50, RT

COLOR: BLACK BORDER & SYMBOL
WITH YELLOW (RETROREFLECTIVE) BACKGROUND

MATERIAL: PER THE TABLE ON SHEET 101.

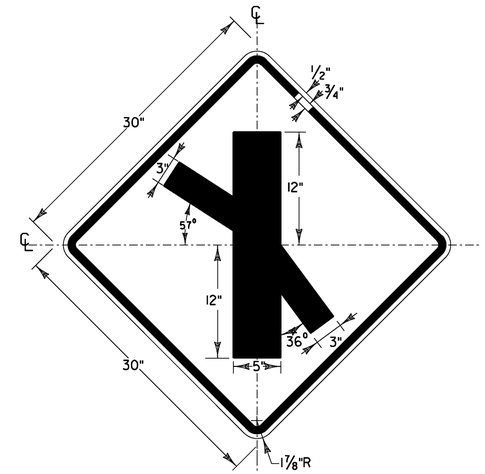


W2-3R VARIATION

LOCATION: CAMBRIDGE STA. 627+00, LT

COLOR: BLACK BORDER & SYMBOL
WITH YELLOW (RETROREFLECTIVE) BACKGROUND

MATERIAL: PER THE TABLE ON SHEET 101.

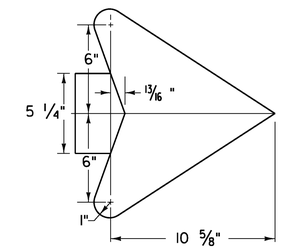


W2-7L VARIATION

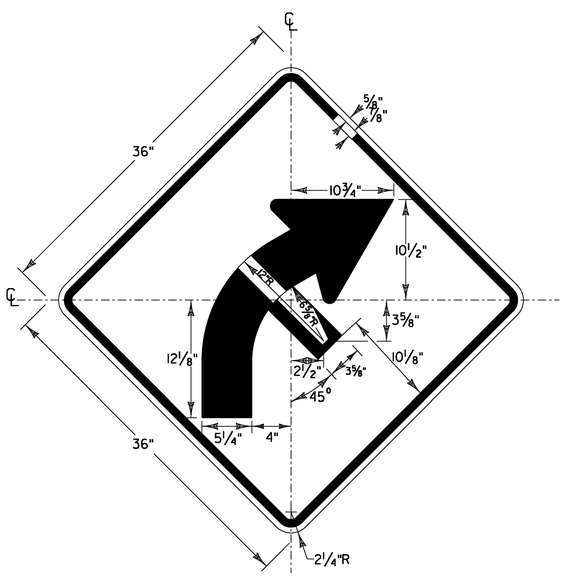
LOCATION: BAKERSFIELD STA. 54+00, LT

COLOR: BLACK BORDER & SYMBOL
WITH YELLOW (RETROREFLECTIVE) BACKGROUND

MATERIAL: PER THE TABLE ON SHEET 101.



ARROW DETAIL

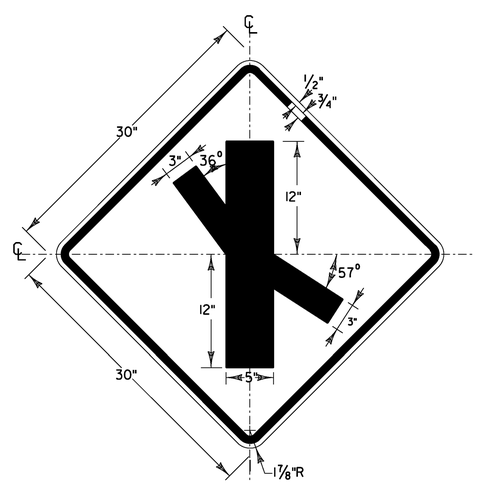


W1-10R VARIATION

LOCATION: CAMBRIDGE STA. 609+50, LT

COLOR: BLACK BORDER & SYMBOL
WITH YELLOW (RETROREFLECTIVE) BACKGROUND

MATERIAL: PER THE TABLE ON SHEET 101.



W2-7R VARIATION

LOCATION: BAKERSFIELD STA. 42+38, RT

COLOR: BLACK BORDER & SYMBOL
WITH YELLOW (RETROREFLECTIVE) BACKGROUND

MATERIAL: PER THE TABLE ON SHEET 101.

NOT TO SCALE

NOTE: SEE TRAFFIC SIGN NOTES ON SHEET 101

Stantec

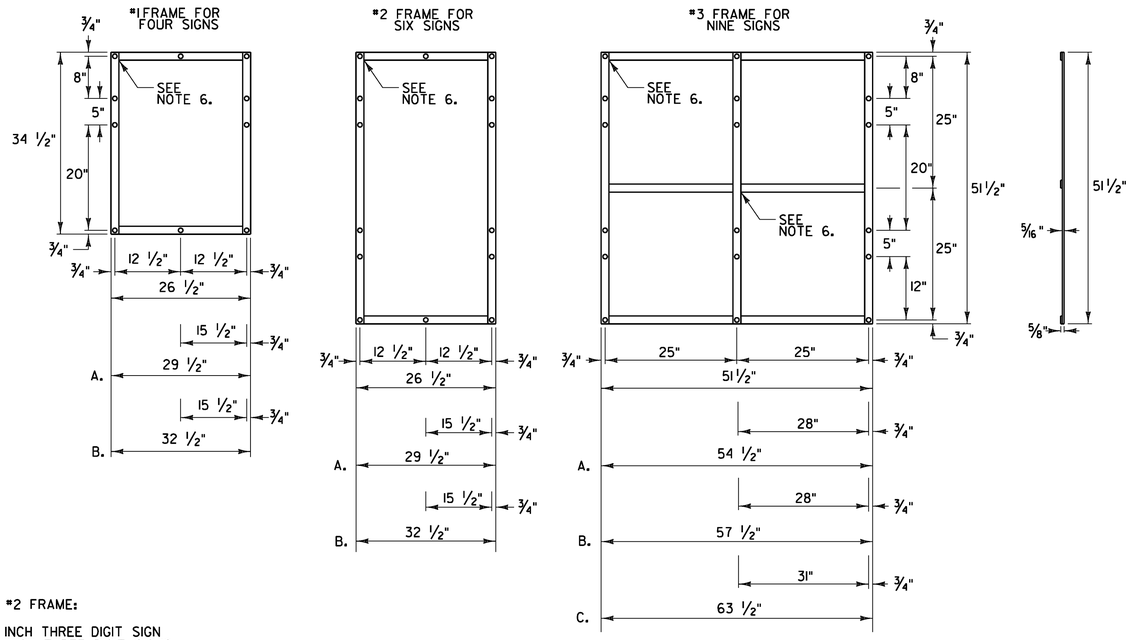
TRAFFIC SIGN DETAIL SHEET #4

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tsd04.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 100 OF 387

ROUTE MARKER ASSEMBLY FRAMES



NOTES:

1. NOTES FOR #1 AND #2 FRAME:

   A. WITH ONE 30 INCH THREE DIGIT SIGN
   B. WITH TWO 30 INCH THREE DIGIT SIGNS

2. NOTES FOR #3 FRAME:

   A. WITH ONE 30 INCH THREE DIGIT SIGN IN AN OUTSIDE POSITION.
   B. WITH ONE 30 INCH THREE DIGIT SIGN IN THE CENTER POSITION OR TWO SUCH SIGNS IN THE OUTSIDE POSITIONS.
   C. WITH THREE 30 INCH THREE DIGIT SIGNS.

3. ALL HOLES SHALL BE 7/16" DIAMETER. FOR OTHER SIGN COMBINATIONS THAN ABOVE, THE FRAME DIMENSIONS AND HOLE SPACING SHALL BE MODIFIED AS NECESSARY. THE FRAME SHALL BE PAINTED WITH ONE COAT OF PRIMER AND A SECOND COAT OF BLACK PAINT. THE PAINT SHALL BE OF THE TYPE USED ON EXTERIOR METAL SURFACES TO PREVENT METAL CORROSION.

4. ALL DIMENSIONS SHOWN IN INCHES UNLESS OTHERWISE NOTED.

5. FRAMES SHALL BE CONSTRUCTED OF 5/16" x 1 1/2" A-36 STEEL.

6. ALL OVERLAPPED CONNECTIONS SHALL BE WELDED WITH TWO 1/4" WIDE FILLET WELDS, 1 1/2" LONG.

TRAFFIC SIGN NOTES

1. ALL SIGN LETTERING, DIGITS, ARROWS, AND DESIGN OF SYMBOLS FOR SIGNS REFERENCED IN THESE PLANS SHALL CONFORM WITH THE "STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" AS ADOPTED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) UNLESS OTHERWISE DETAILED WITHIN THESE PLANS.

2. ALL COLORS SHALL CONFORM WITH THE STANDARD COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND APPROVED BY FHWA UNLESS OTHERWISE NOTED.

3. ALL RETROREFLECTIVE SHEETING SHALL BE TYPE III MINIMUM PER SUBSECTION 750.08.

4. ALL STREET NAME SIGNS ARE TWO-SIDED UNLESS NOTED OTHERWISE.

5. UNLESS OTHERWISE DETAILED ON THE PLANS, ALL SIGN BASE MATERIALS SHALL BE FLAT SHEET ALUMINUM WITH THE FOLLOWING MINIMUM THICKNESSES:

SIZES			36" X 12"	36" X 12"
		24" X 10"	36" X 15"	42" X 12"
		24" X 12"	42" X 12"	48" X 12"
		30" X 12"	48" X 12"	48" X 18"
		24" X 18"	36" X 18"	48" X 24"
		24" X 24"	54" X 12"	48" X 30"
		24" X 30"	36" X 24"	48" X 42"
	9" X 12"	30" X 15"	30" X 42"	48" X 48"
	12" X 12"	30" X 18"	36" X 36"	48" X 60"
	18" X 18"	30" X 30"	36" X 48"	60" X 12"
	21" X 15"	30" X 42"	36" X 54"	72" X 12"
THICKNESS	0.060"	0.080"	0.100"	0.125"

NOT TO SCALE

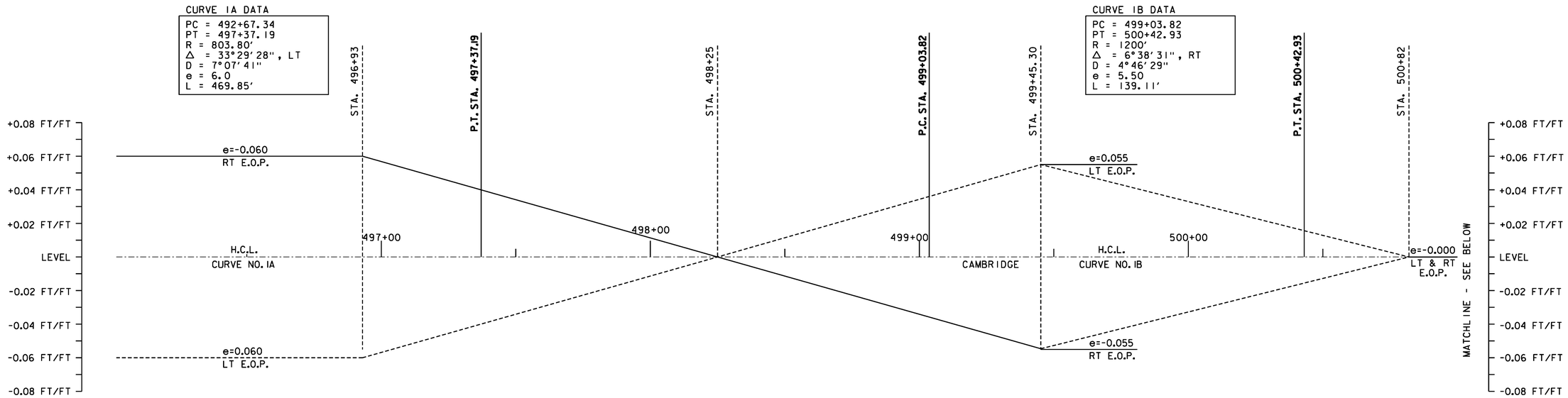
TRAFFIC SIGN DETAIL SHEET #5

Stantec

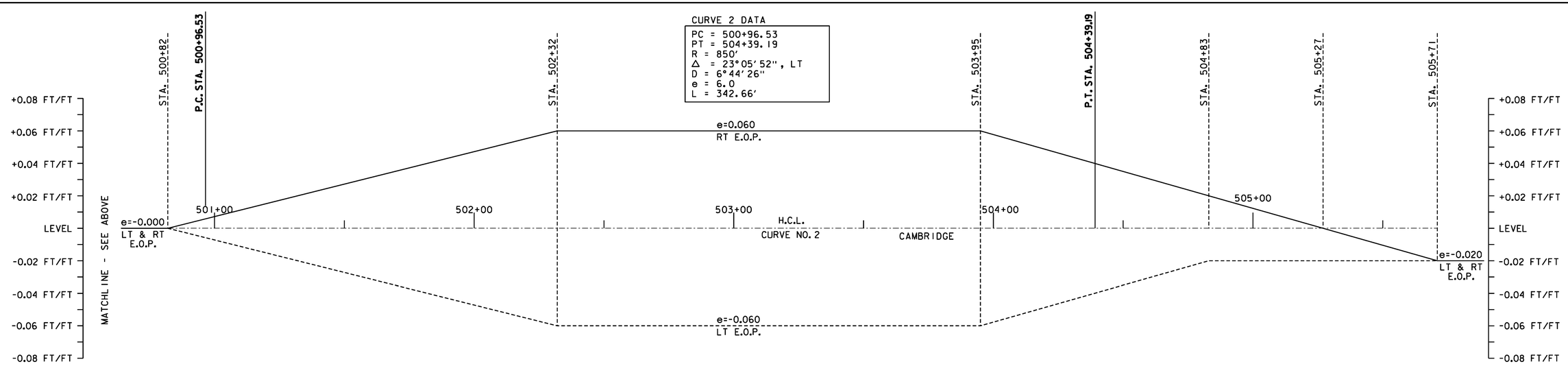
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258tsd05.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 101 OF 387



CURVE 1A & 1B BANKING TRANSITION DIAGRAM



CURVE 2 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

NOT TO SCALE

NOTE: CURVE #3 DOES NOT REQUIRE BANKING

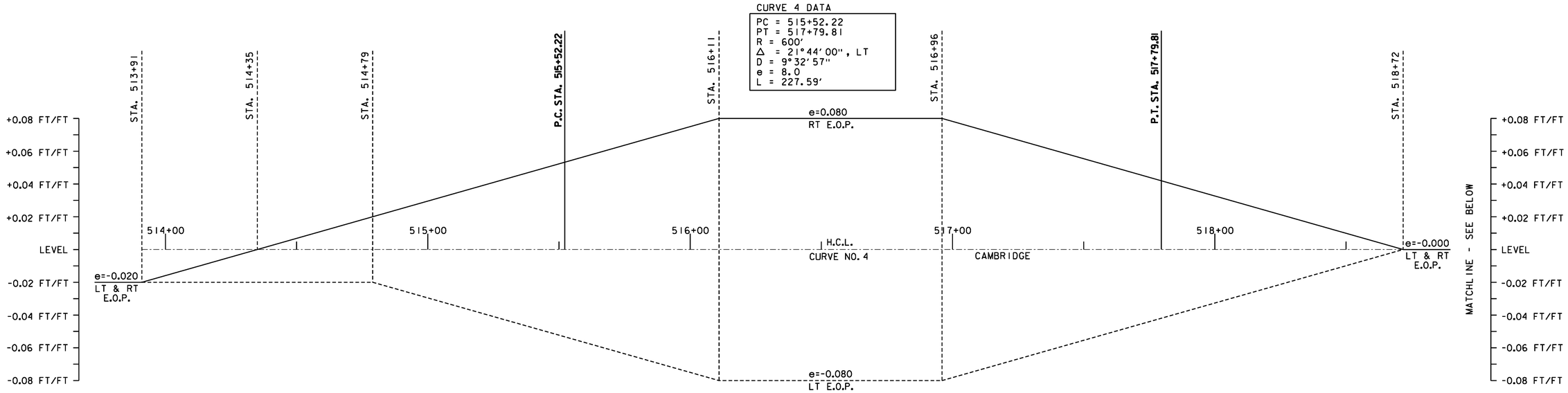
Stantec

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #1

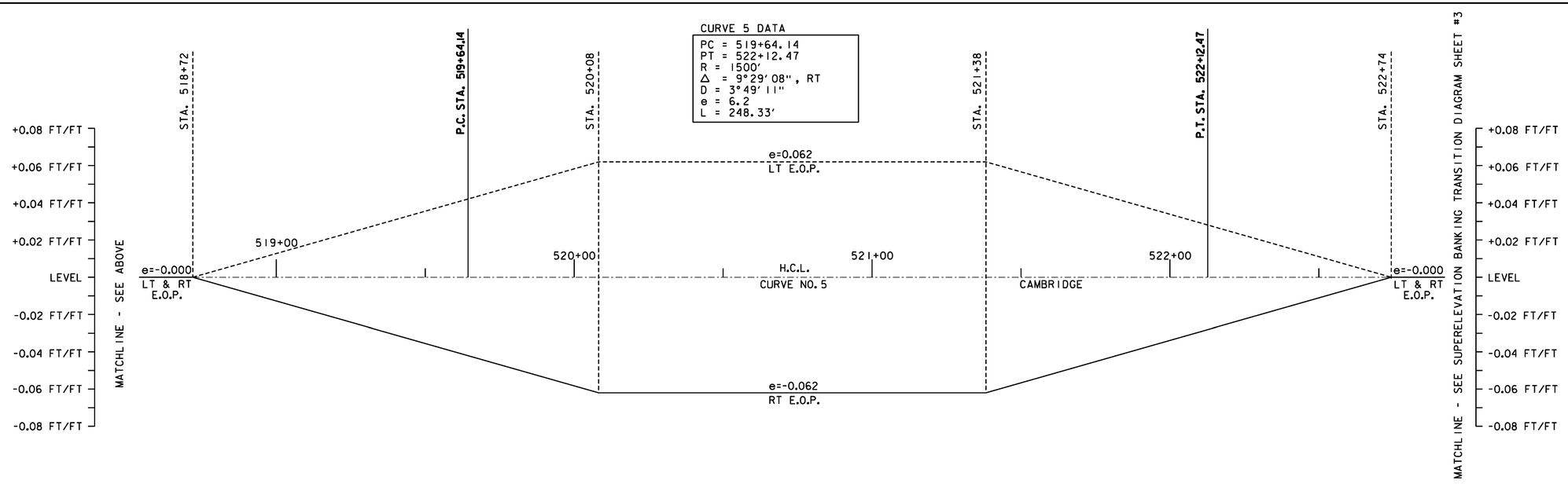
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258sbd1.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 102 OF 387



CURVE 4 BANKING TRANSITION DIAGRAM



CURVE 5 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

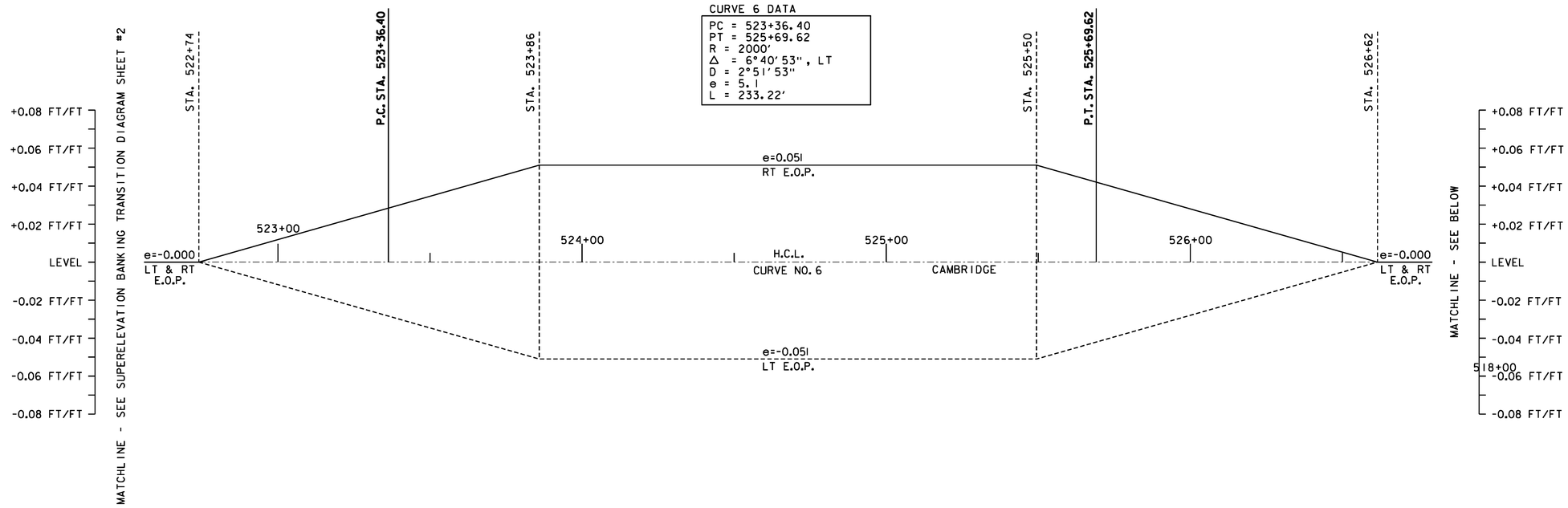
1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

NOT TO SCALE

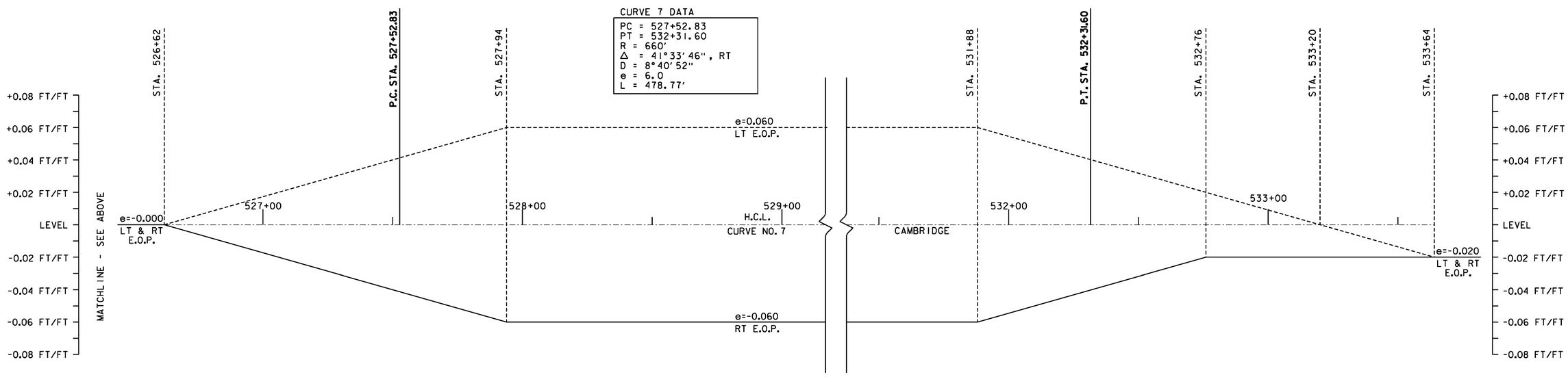
Stantec

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #2

PROJECT NAME: CAMBRIDGE-BAKERSFIELD	
PROJECT NUMBER: STP 2926(1)	
FILE NAME: p10b258.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10b258sbd2.i	SHEET 103 OF 387



CURVE 6 BANKING TRANSITION DIAGRAM



CURVE 7 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

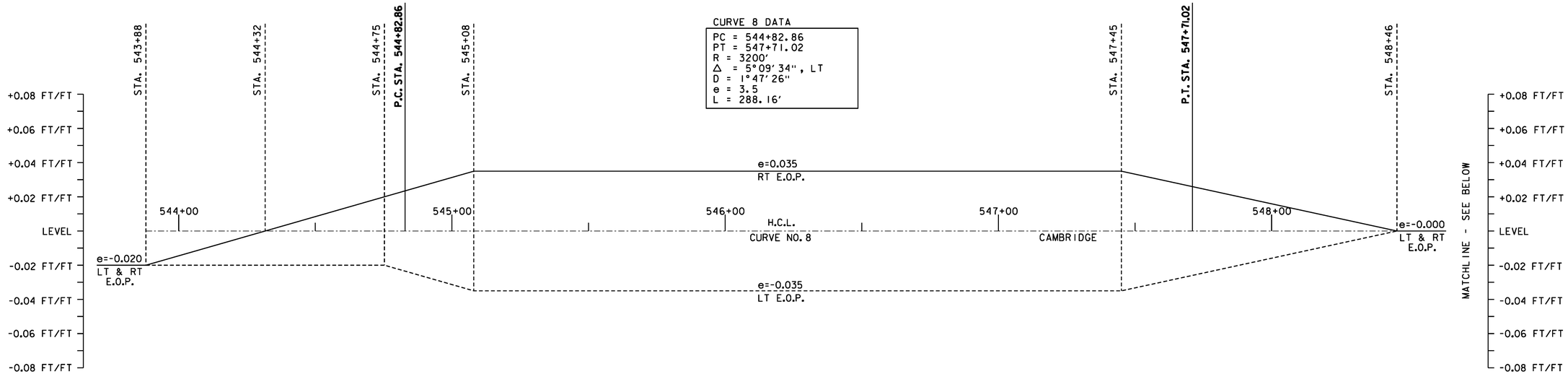
1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

Stantec

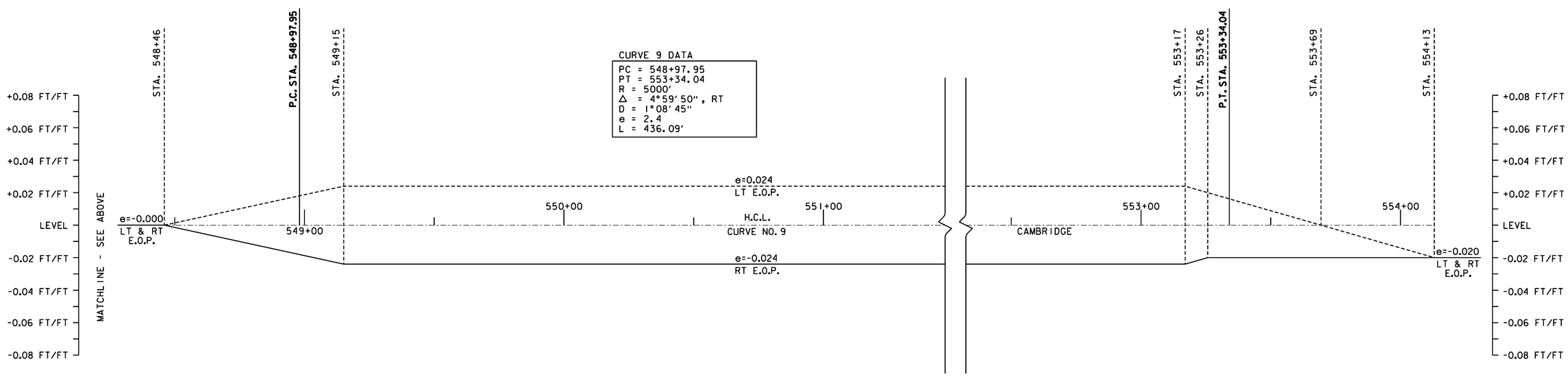
NOT TO SCALE

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #3

PROJECT NAME: CAMBRIDGE-BAKERSFIELD	
PROJECT NUMBER: STP 2926(1)	
FILE NAME: p10b258.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10b258sbd3.i	SHEET 104 OF 387



CURVE 8 BANKING TRANSITION DIAGRAM



SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.

2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

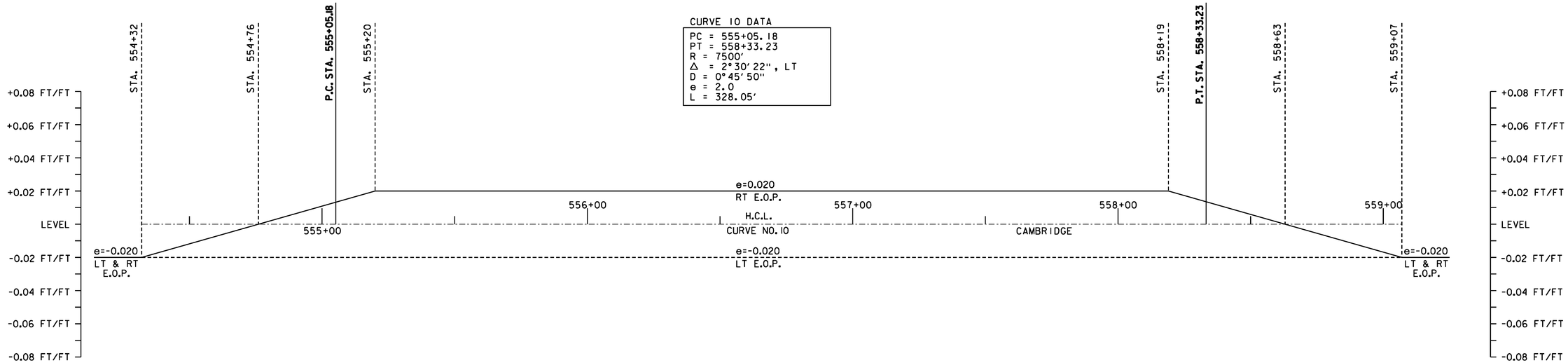
CURVE 9 BANKING TRANSITION DIAGRAM

Stantec

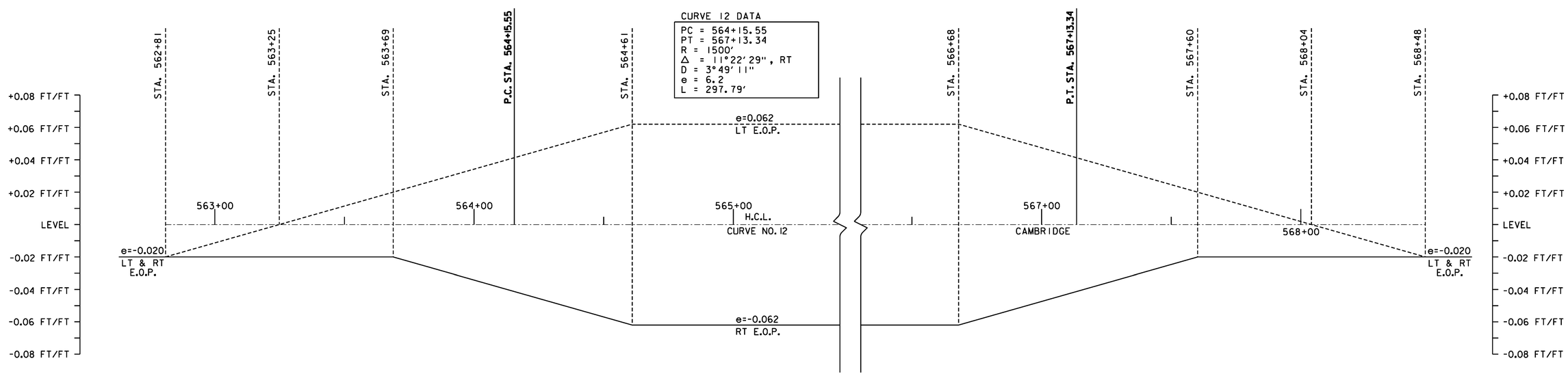
NOT TO SCALE

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #4

PROJECT NAME: CAMBRIDGE-BAKERSFIELD	
PROJECT NUMBER: STP 2926(1)	
FILE NAME: p10b258.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10b258sbd4.i	SHEET 105 OF 387



CURVE 10 BANKING TRANSITION DIAGRAM



CURVE 12 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

NOT TO SCALE

NOTE: CURVE #11 DOES NOT REQUIRE BANKING

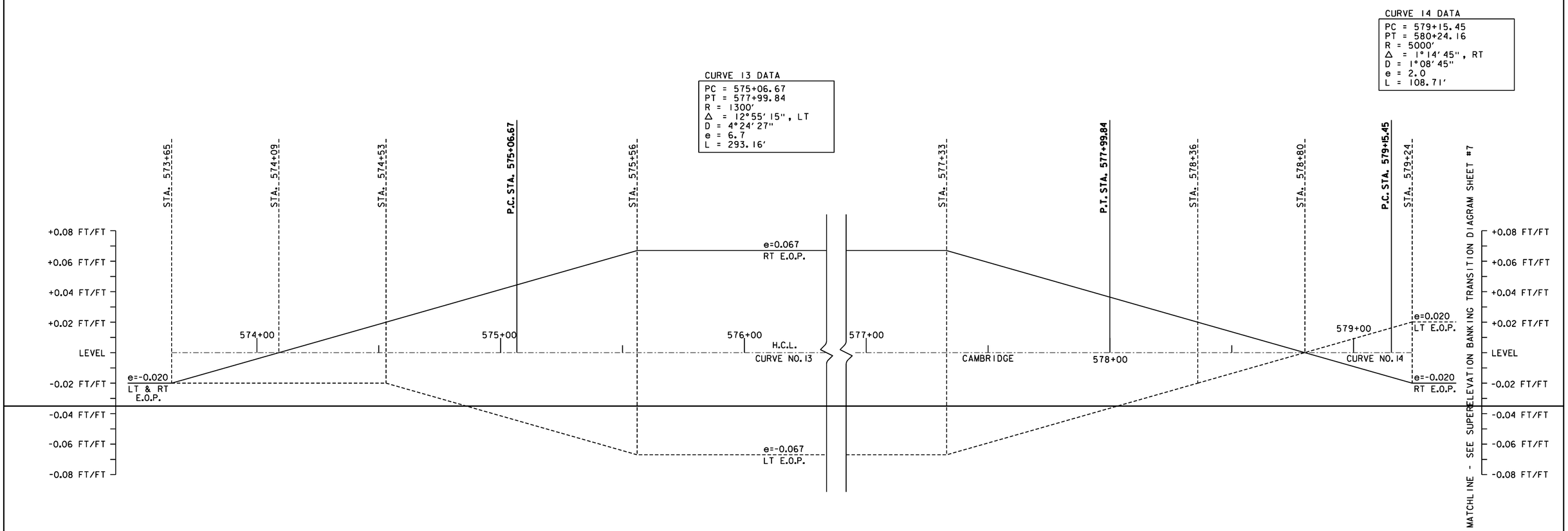
Stantec

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #5

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258sbd5.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 106 OF 387



CURVE 13 & 14 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

NOT TO SCALE

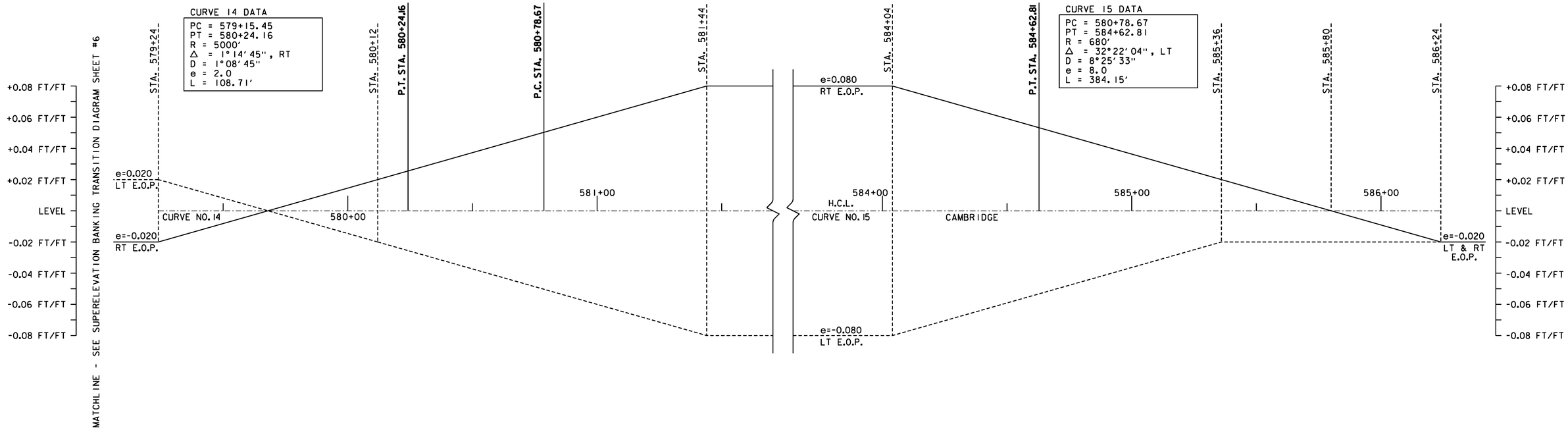
Stantec

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #6

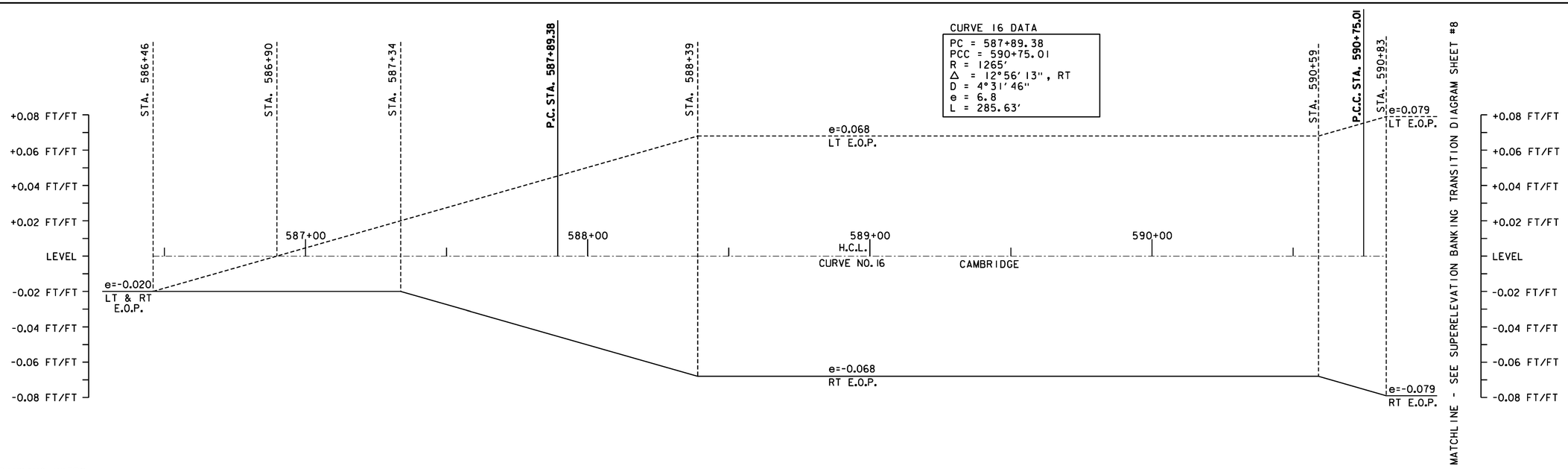
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258sbd6.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 107 OF 387



CURVE 14 & 15 BANKING TRANSITION DIAGRAM



SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.

2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

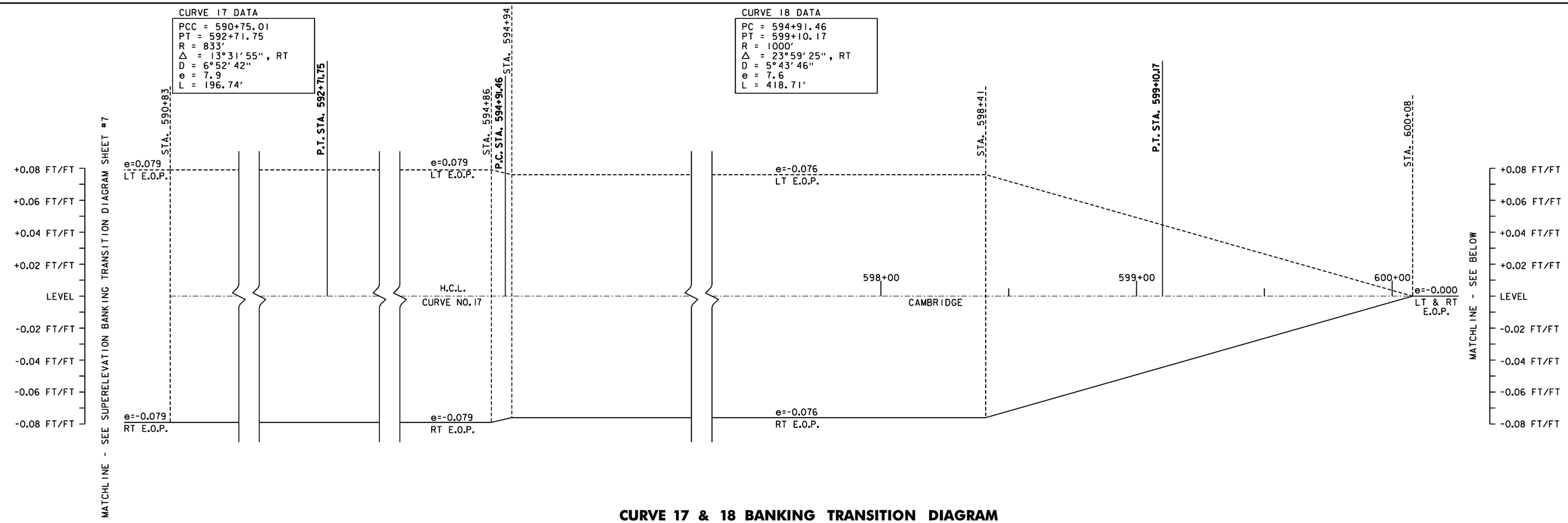
CURVE 16 BANKING TRANSITION DIAGRAM

NOT TO SCALE

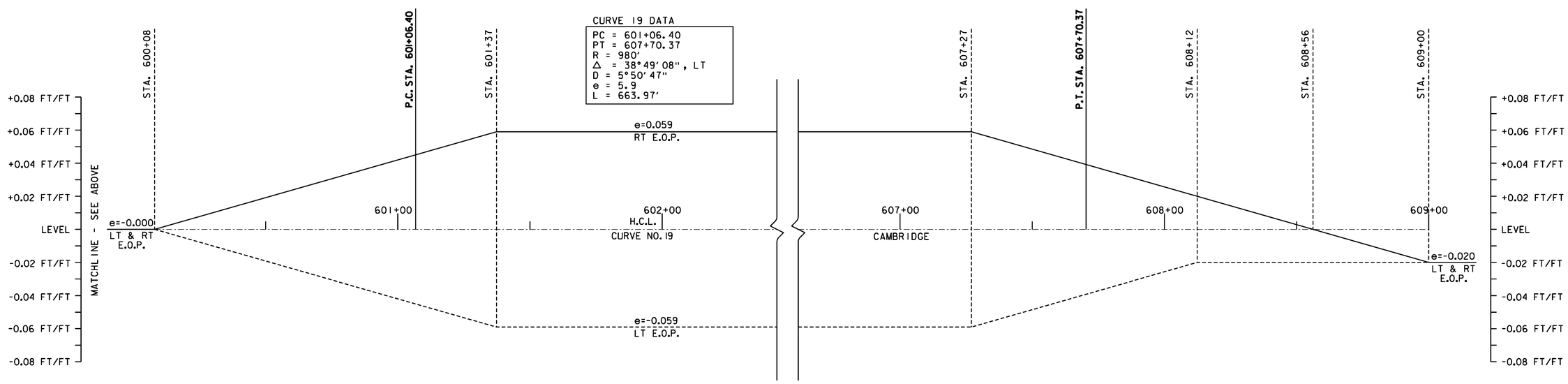
Stantec

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #7

PROJECT NAME: CAMBRIDGE-BAKERSFIELD	
PROJECT NUMBER: STP 2926(1)	
FILE NAME: p10b258.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10b258sbd7.i	SHEET 108 OF 387



CURVE 17 & 18 BANKING TRANSITION DIAGRAM



CURVE 19 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

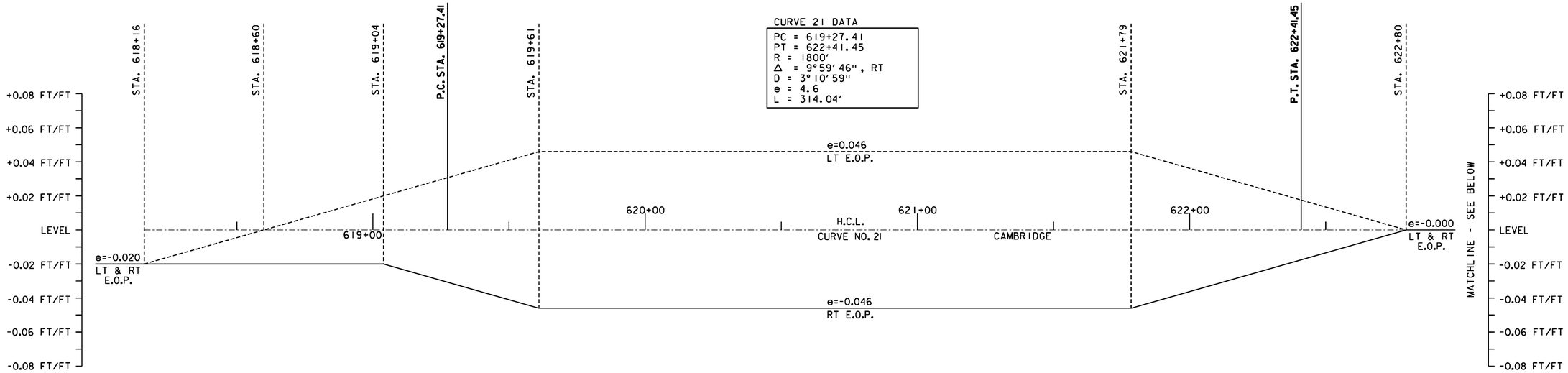
1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

NOT TO SCALE

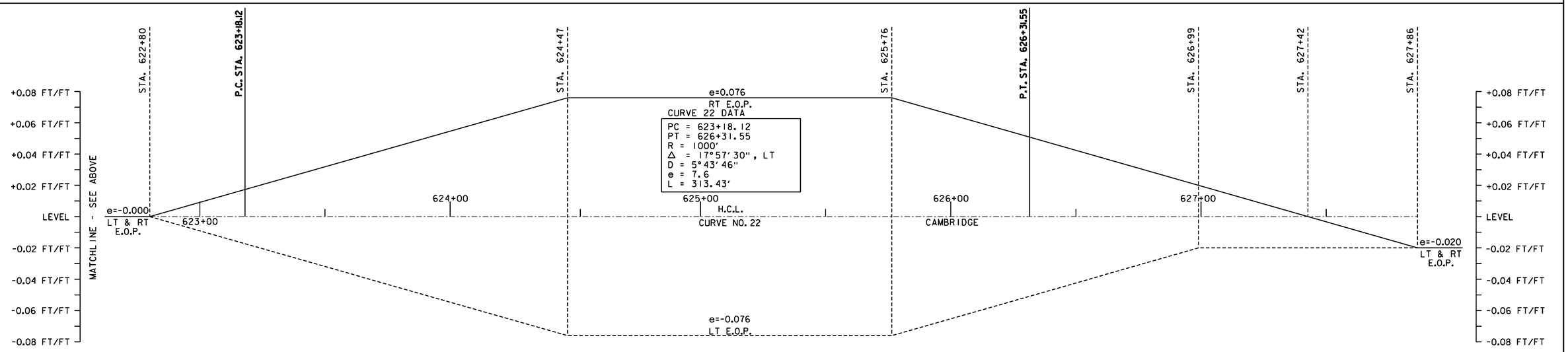
Stantec

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #8

PROJECT NAME: CAMBRIDGE-BAKERSFIELD	
PROJECT NUMBER: STP 2926(1)	
FILE NAME: p10b258.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10b258sbd8.i	SHEET 109 OF 387



CURVE 21 BANKING TRANSITION DIAGRAM



CURVE 22 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

NOT TO SCALE

NOTE: CURVE #20 DOES NOT REQUIRE BANKING

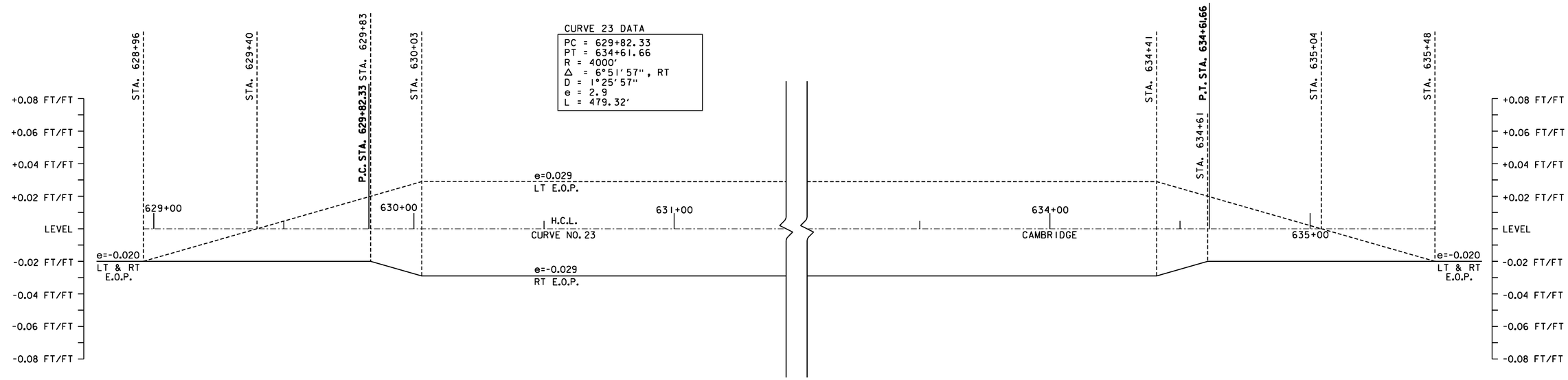
Stantec

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #9

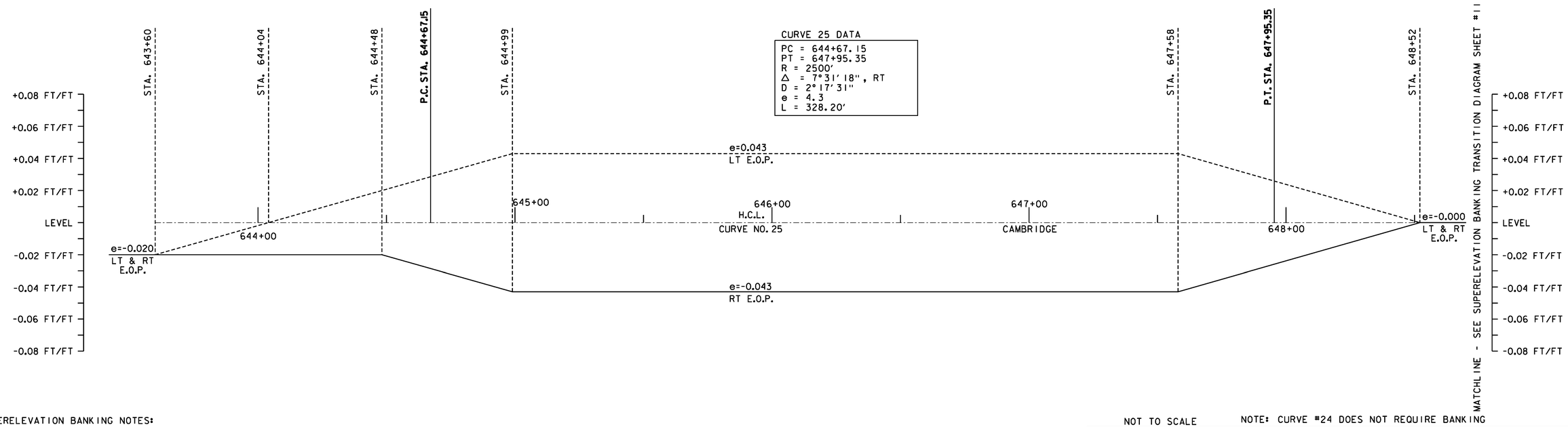
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258sbd9.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 110 OF 387



CURVE 23 BANKING TRANSITION DIAGRAM



CURVE 25 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

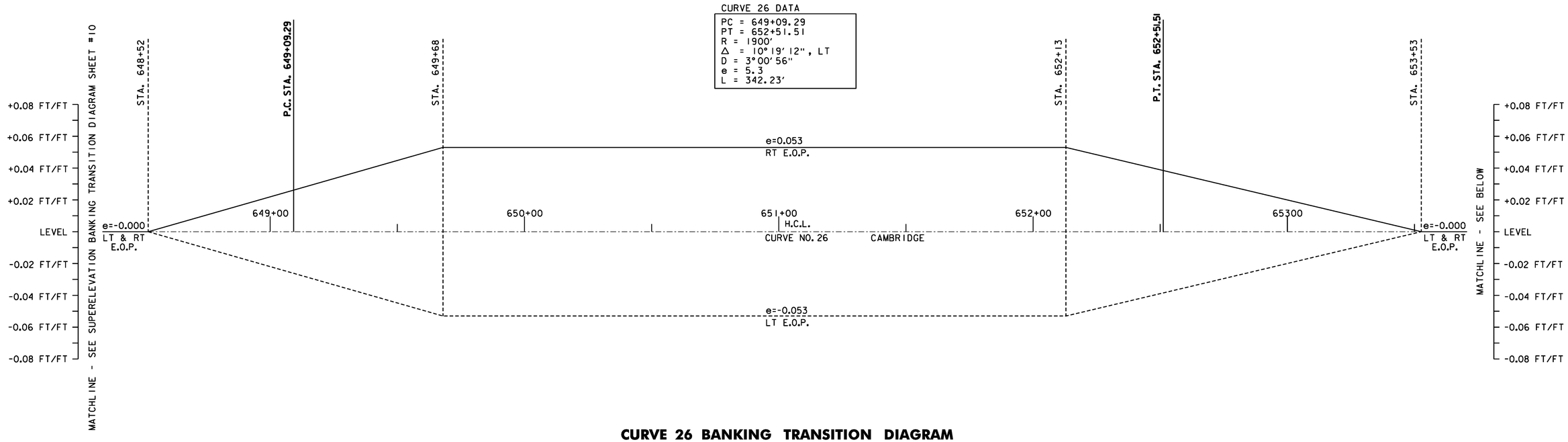
Stantec

NOT TO SCALE

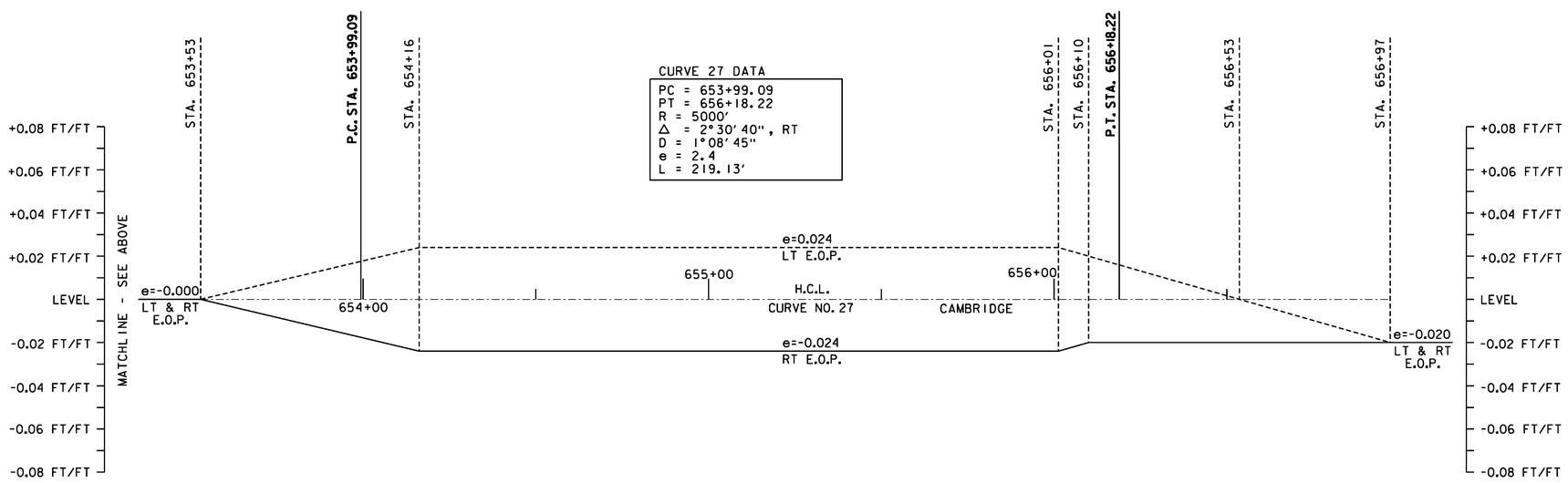
SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #10

NOTE: CURVE #24 DOES NOT REQUIRE BANKING

PROJECT NAME: CAMBRIDGE-BAKERSFIELD	
PROJECT NUMBER: STP 2926(1)	
FILE NAME: p10b258.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10b258sbd10.i	SHEET III OF 387



CURVE 26 BANKING TRANSITION DIAGRAM



CURVE 27 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

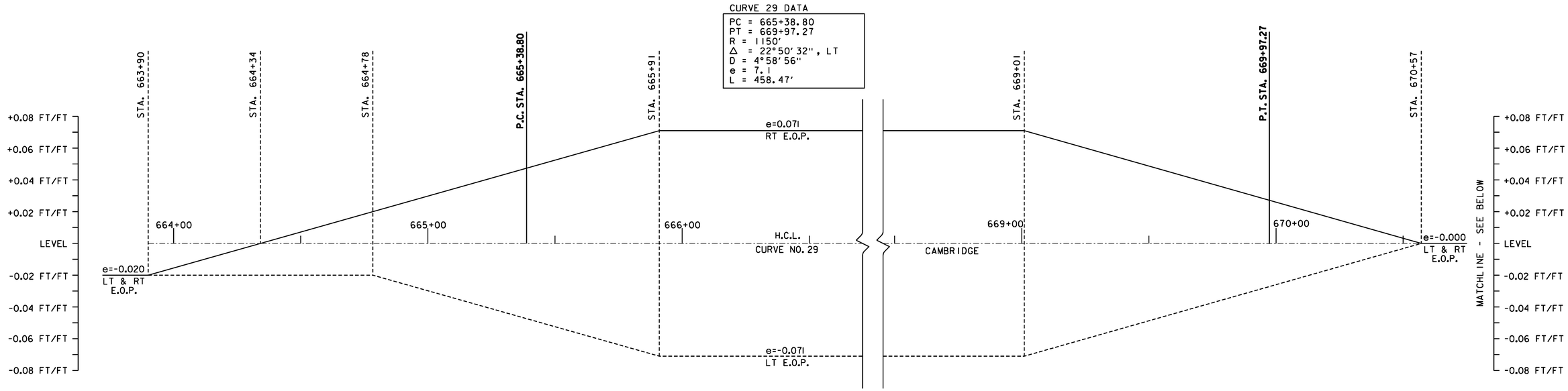
1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

NOT TO SCALE

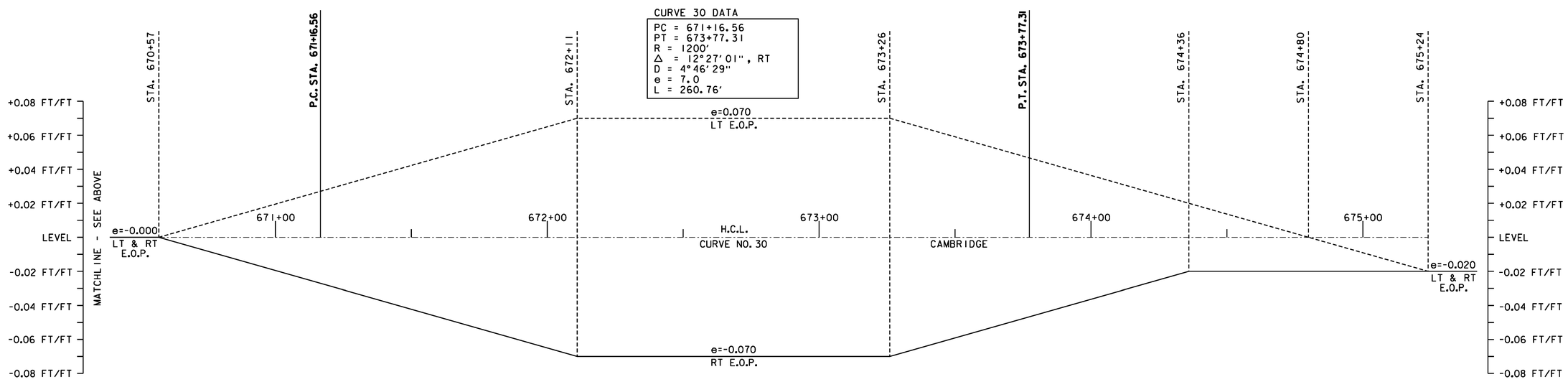
Stantec

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #11

PROJECT NAME: CAMBRIDGE-BAKERSFIELD	
PROJECT NUMBER: STP 2926(1)	
FILE NAME: p10b258.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10b258sbd11.i	SHEET 112 OF 387



CURVE 29 BANKING TRANSITION DIAGRAM



CURVE 30 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

Stantec

NOT TO SCALE

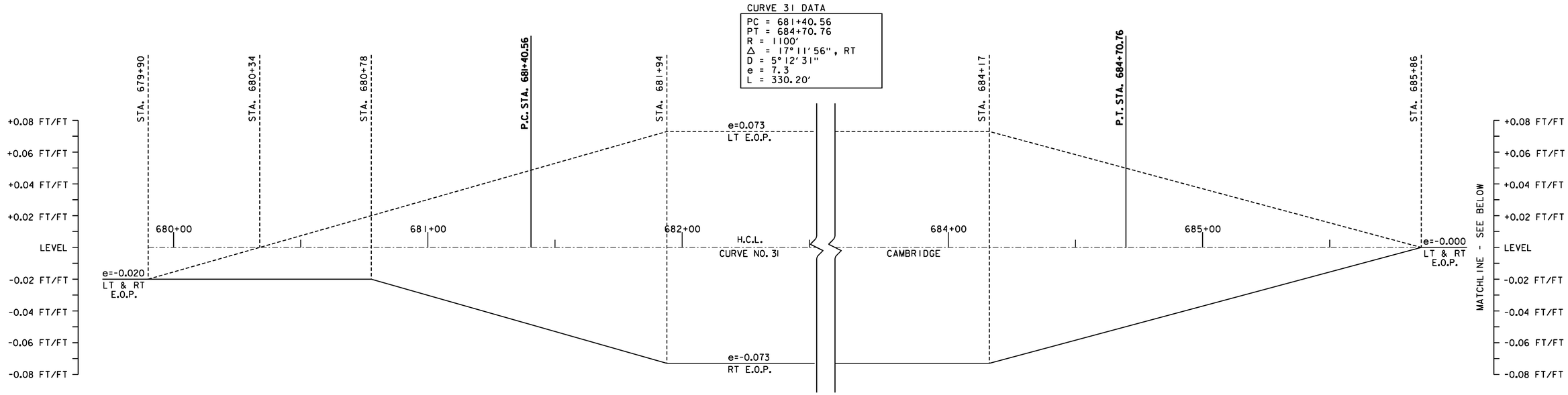
SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #12

NOTE: CURVE #28 DOES NOT REQUIRE BANKING

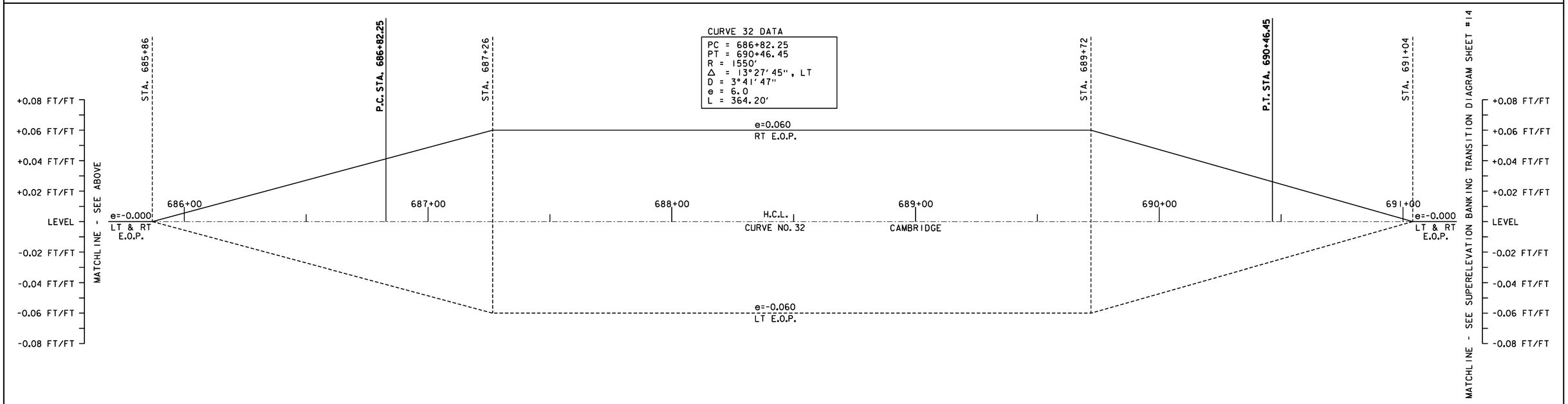
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258sbd12.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 113 OF 387



CURVE 31 BANKING TRANSITION DIAGRAM



SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

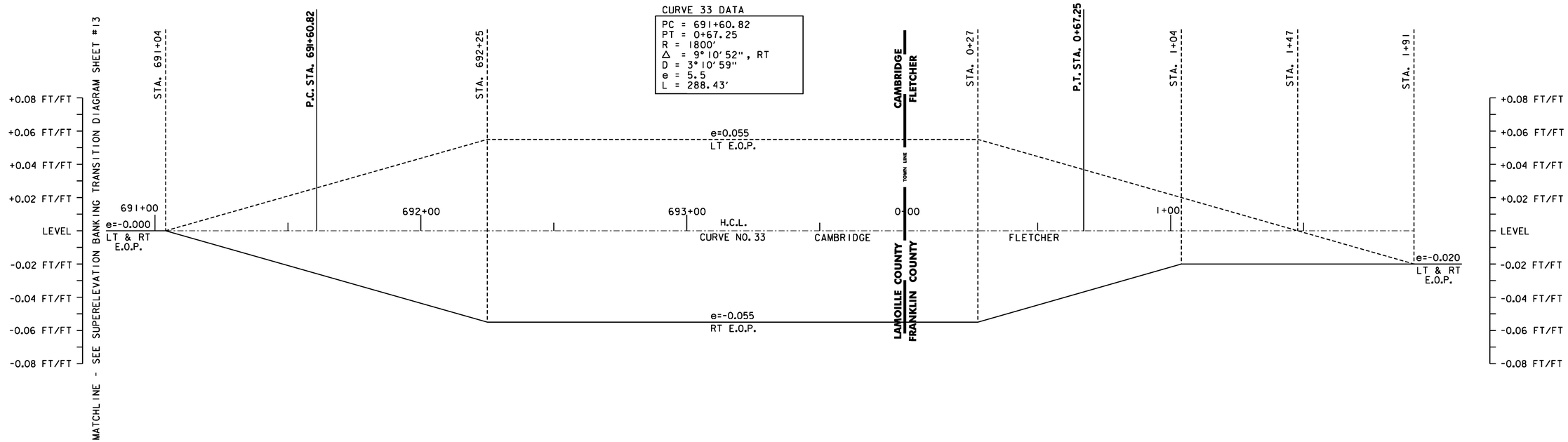
CURVE 32 BANKING TRANSITION DIAGRAM

Stantec

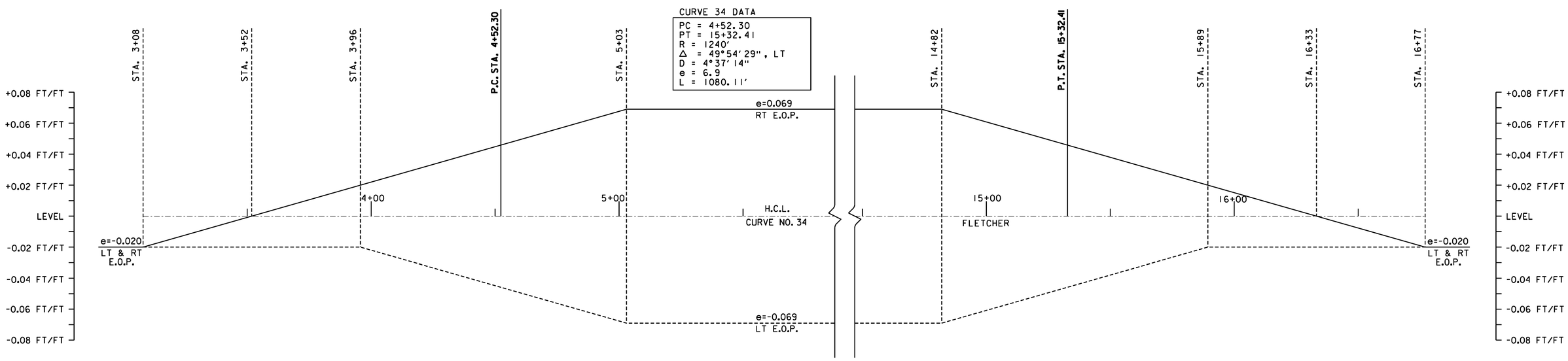
NOT TO SCALE

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #13

PROJECT NAME: CAMBRIDGE-BAKERSFIELD	
PROJECT NUMBER: STP 2926(1)	
FILE NAME: p10b258.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10b258sbd13.i	SHEET 114 OF 387



CURVE 33 BANKING TRANSITION DIAGRAM



CURVE 34 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

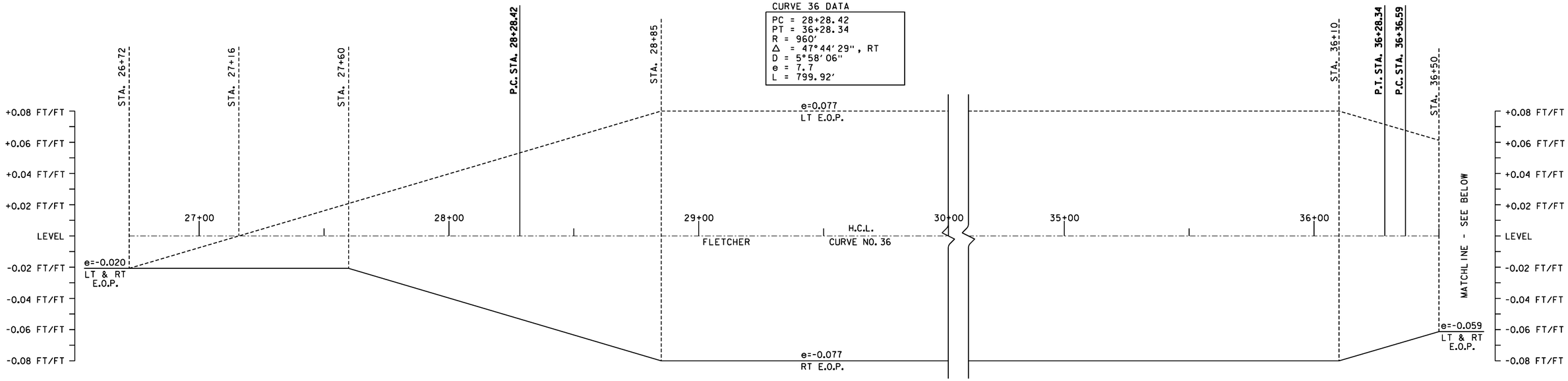
1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

NOT TO SCALE

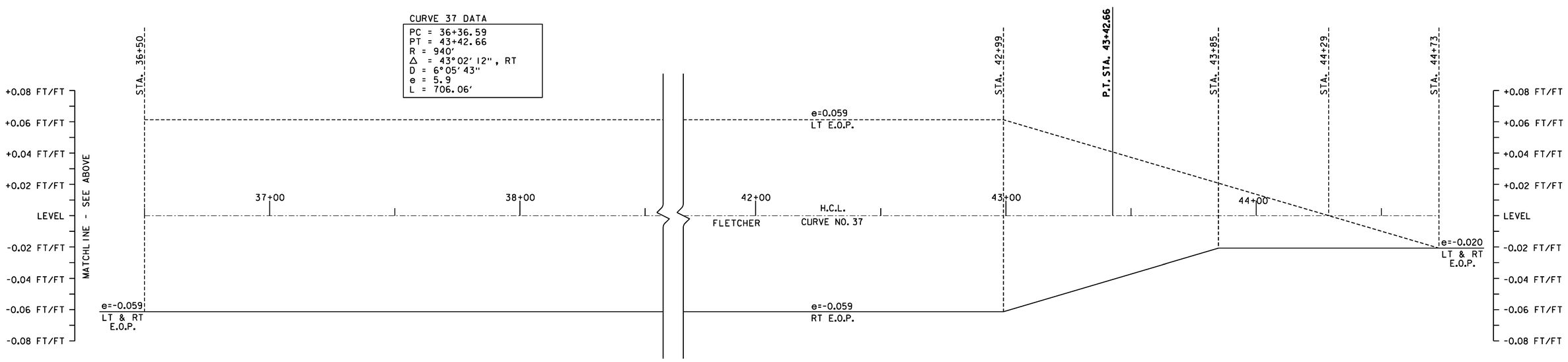
Stantec

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #14

PROJECT NAME: CAMBRIDGE-BAKERSFIELD	
PROJECT NUMBER: STP 2926(1)	
FILE NAME: p10b258.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10b258sbd14.i	SHEET 115 OF 387



CURVE 36 BANKING TRANSITION DIAGRAM



CURVE 37 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

NOT TO SCALE

NOTE: CURVE #35 DOES NOT REQUIRE BANKING

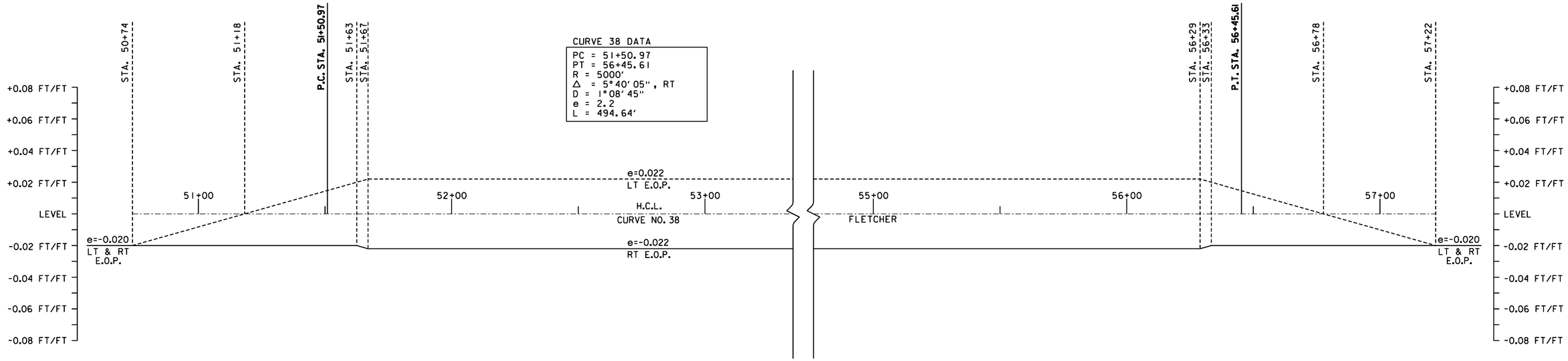
Stantec

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #15

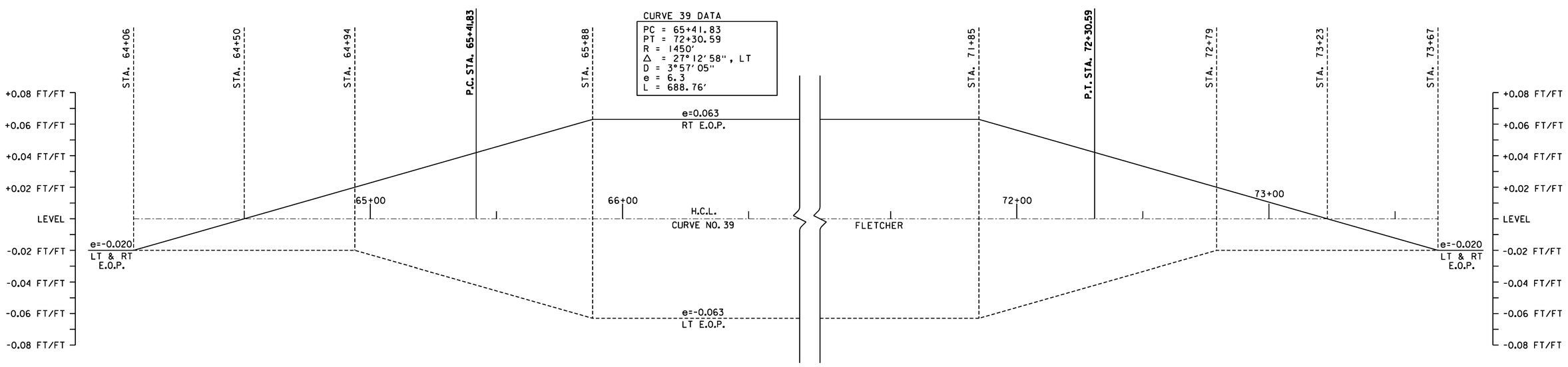
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258sbd15.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 116 OF 387



CURVE 38 BANKING TRANSITION DIAGRAM



CURVE 39 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

NOT TO SCALE

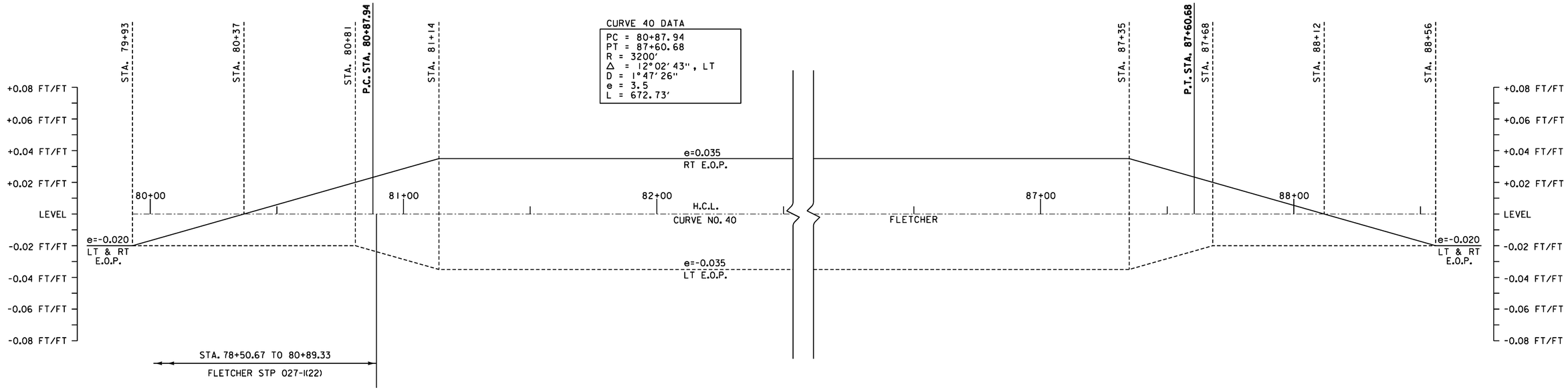
Stantec

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #16

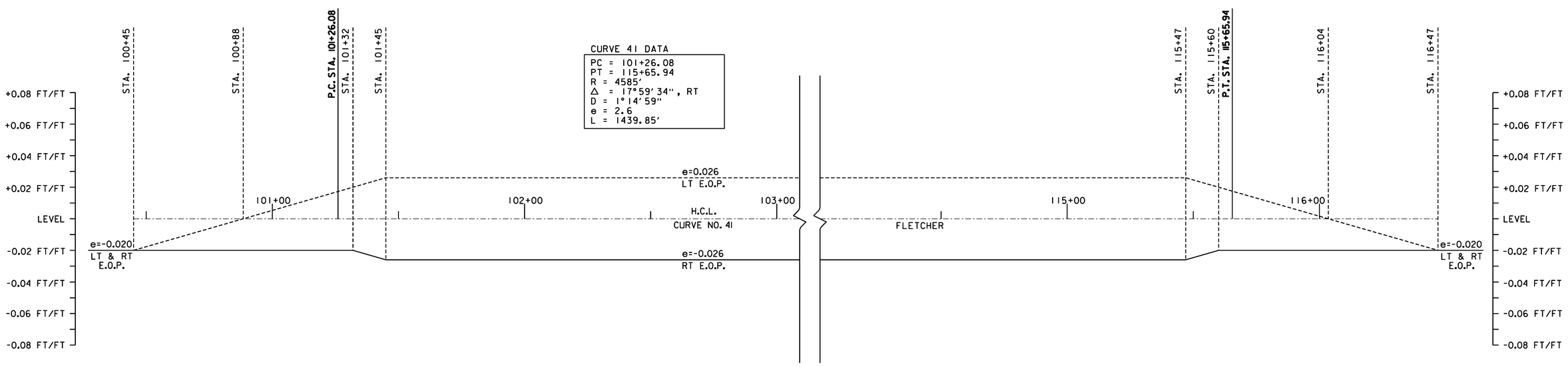
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258sbd16.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 117 OF 387



CURVE 40 BANKING TRANSITION DIAGRAM



SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.

2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

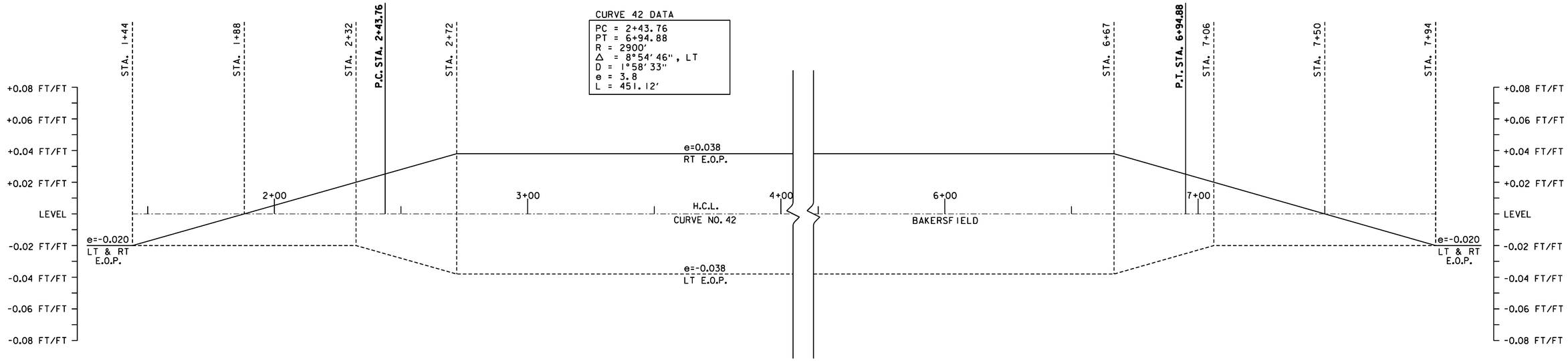
CURVE 41 BANKING TRANSITION DIAGRAM

Stantec

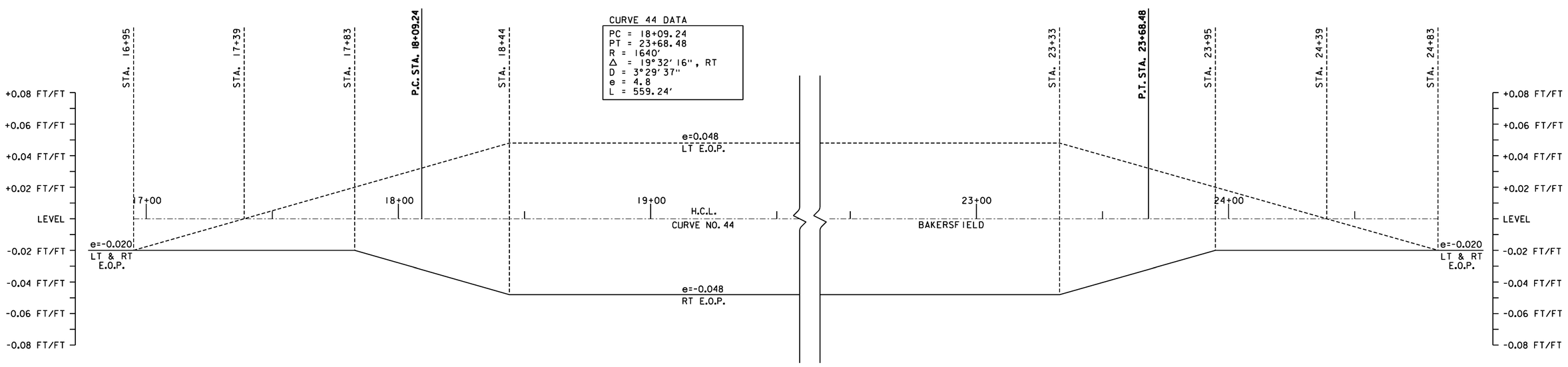
NOT TO SCALE

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #17

PROJECT NAME: CAMBRIDGE-BAKERSFIELD	
PROJECT NUMBER: STP 2926(1)	
FILE NAME: p10b258.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10b258sbd17.i	SHEET 118 OF 387



CURVE 42 BANKING TRANSITION DIAGRAM



SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.

2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

CURVE 44 BANKING TRANSITION DIAGRAM

Stantec

NOT TO SCALE

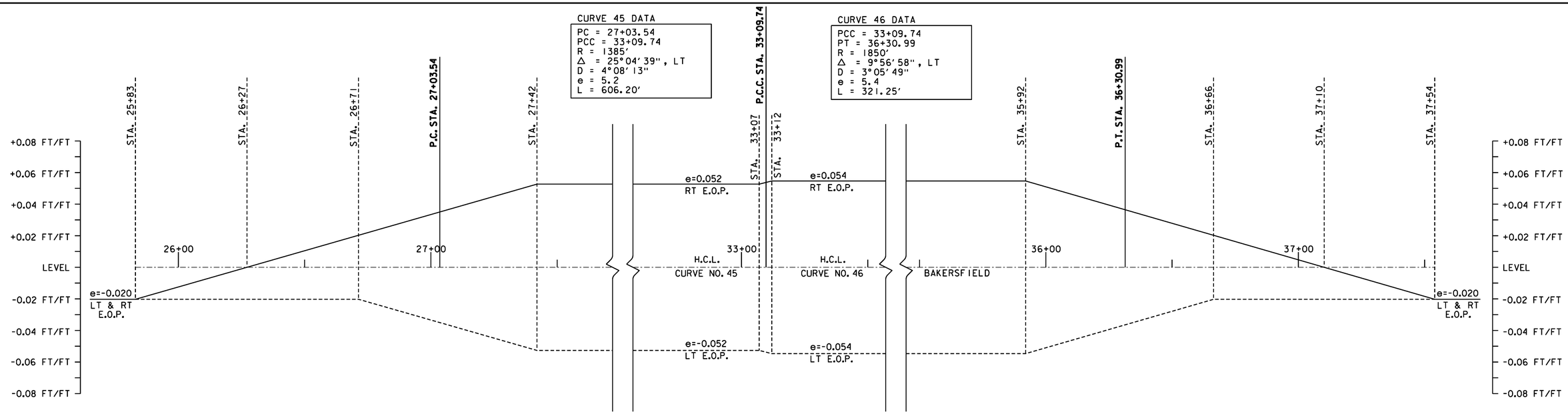
NOTE: CURVE #43 DOES NOT REQUIRE BANKING

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #18

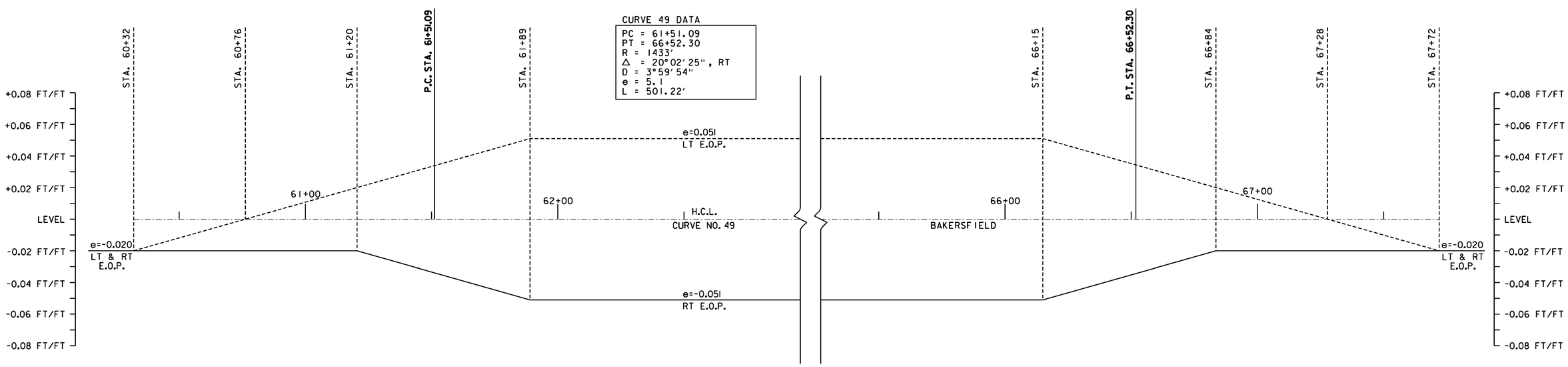
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258sbd18.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 119 OF 387



CURVE 45 & 46 BANKING TRANSITION DIAGRAM



SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

CURVE 49 BANKING TRANSITION DIAGRAM

Stantec

NOT TO SCALE

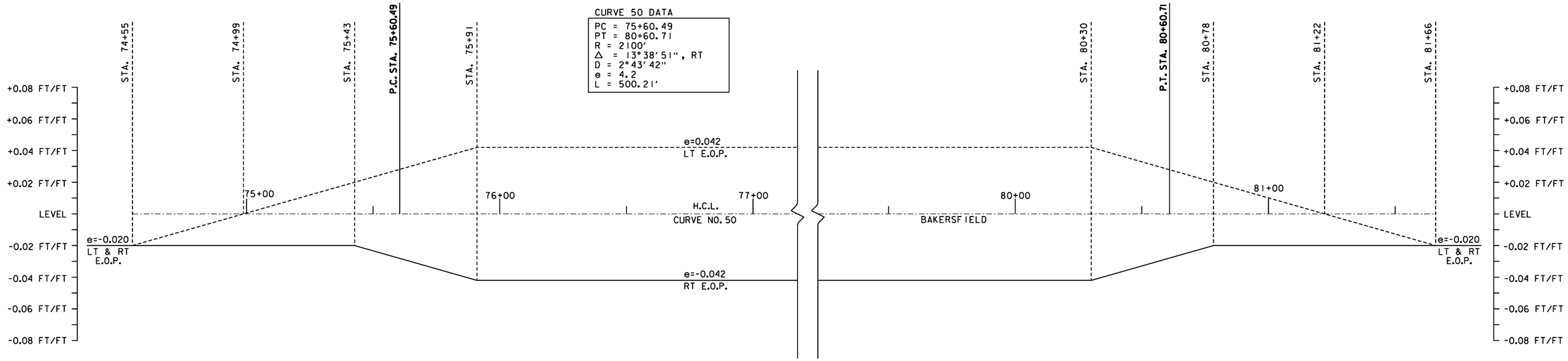
SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #19

NOTE: CURVE #47 & #48 DO NOT REQUIRE BANKING

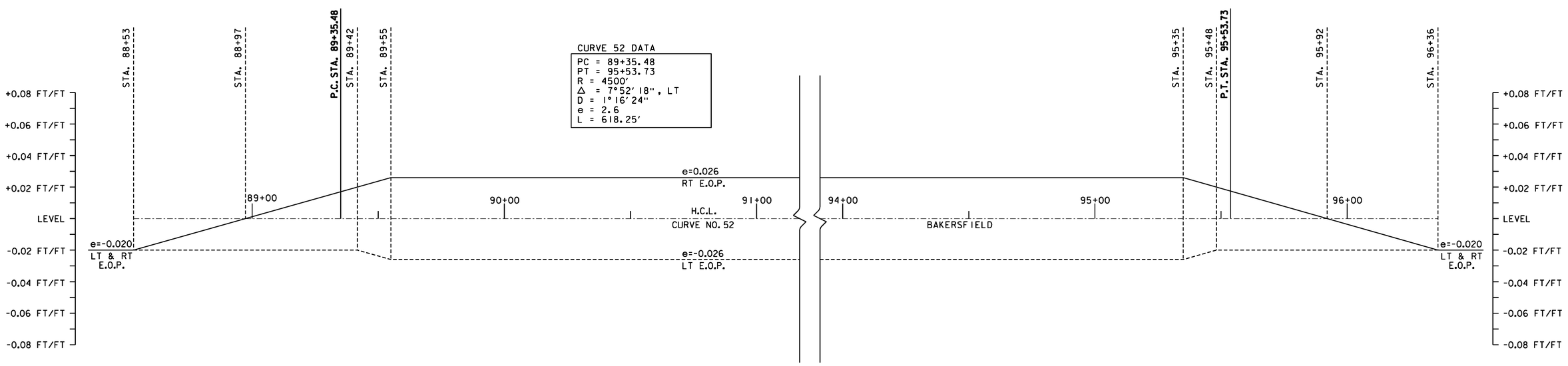
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258sbd19.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 120 OF 387



CURVE 50 BANKING TRANSITION DIAGRAM



CURVE 52 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

NOT TO SCALE

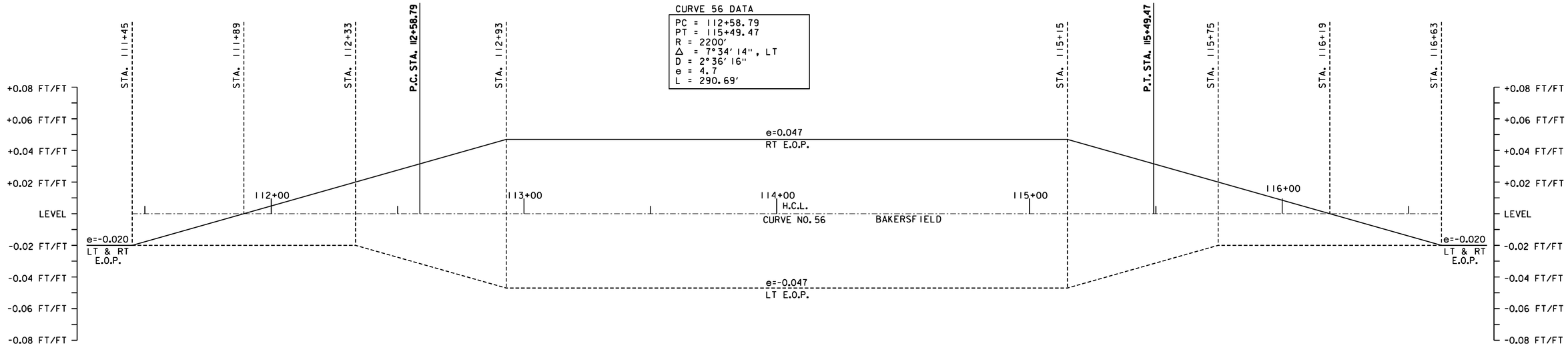
NOTE: CURVE #51 DOES NOT REQUIRE BANKING

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #20

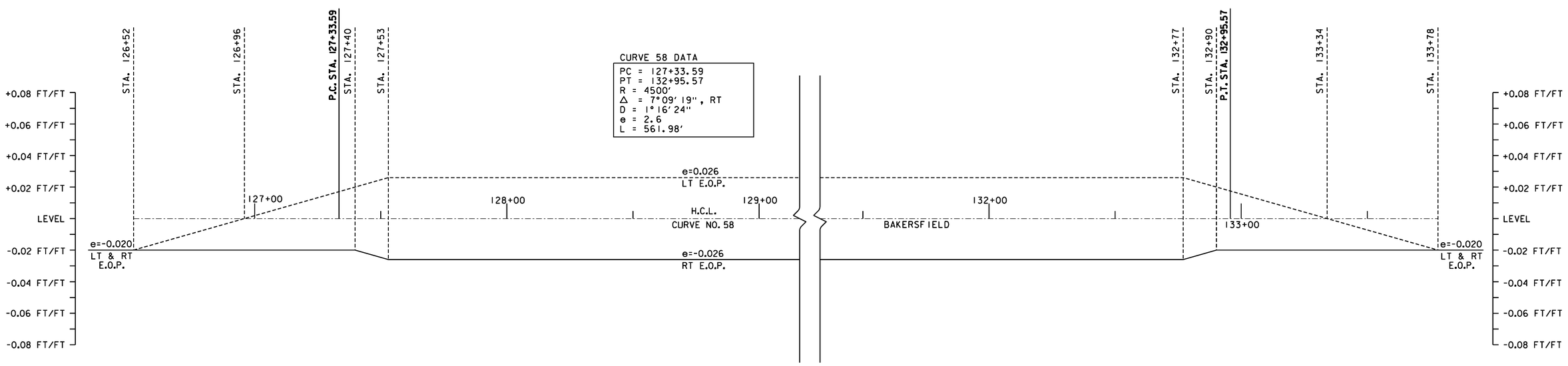
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258sbd20.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 121 OF 387



CURVE 56 BANKING TRANSITION DIAGRAM



CURVE 58 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

NOT TO SCALE

NOTE: CURVE #53, #54, #55 & #57 DO NOT REQUIRE BANKING

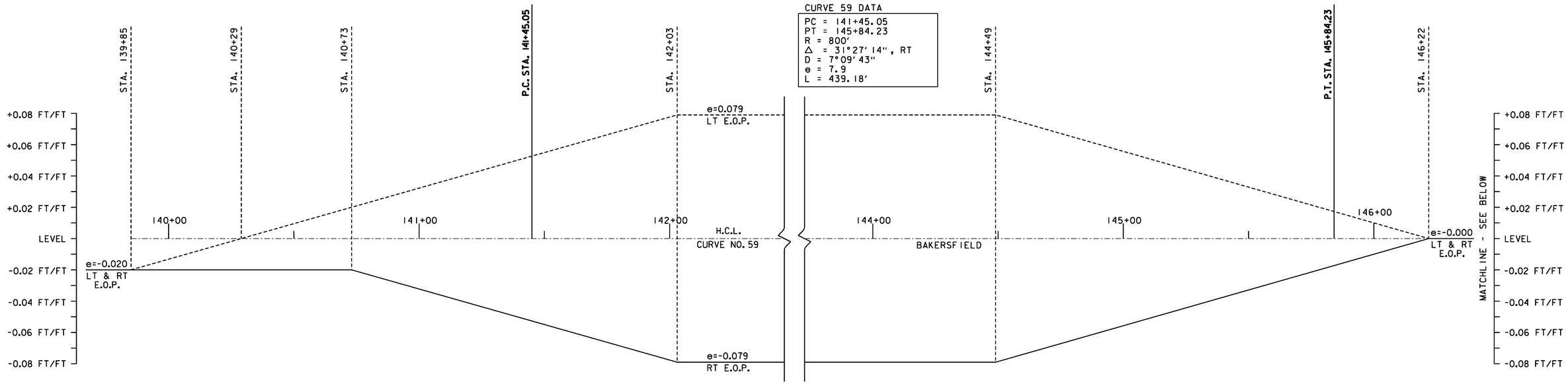
Stantec

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #21

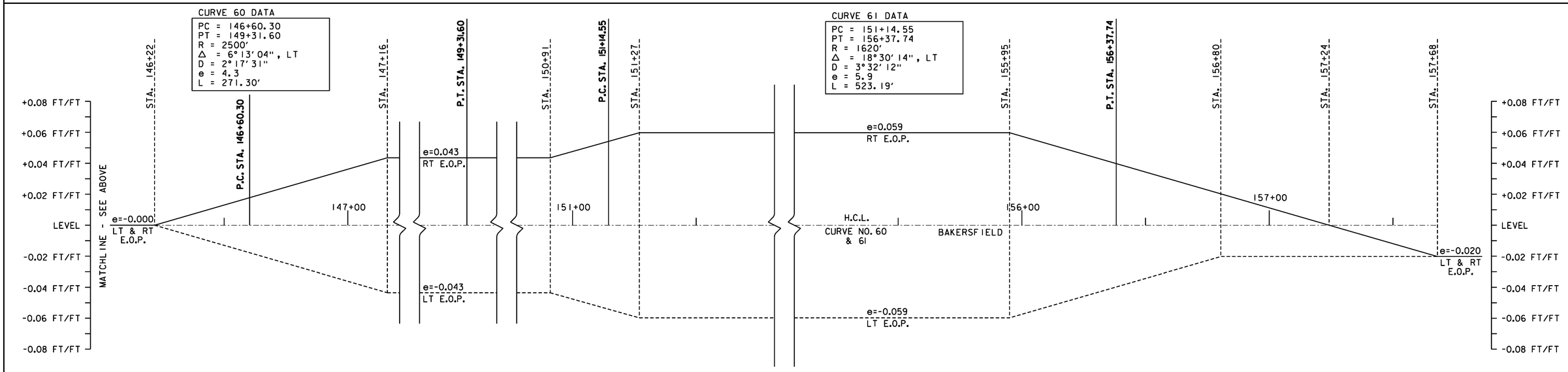
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258sbd21.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 122 OF 387



CURVE 59 BANKING TRANSITION DIAGRAM



CURVE 60 & 61 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

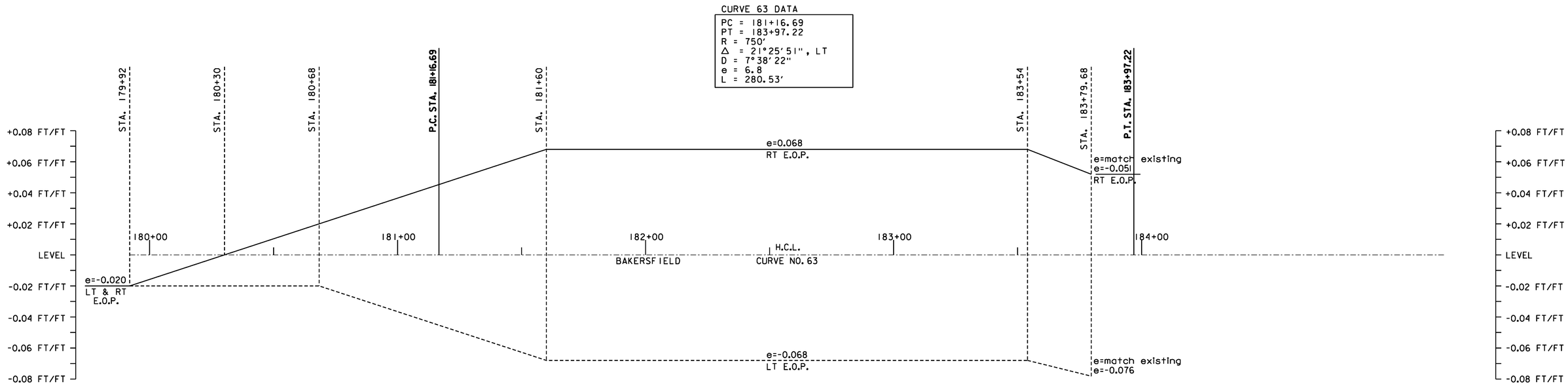
1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.
2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

NOT TO SCALE

Stantec

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #22

PROJECT NAME: CAMBRIDGE-BAKERSFIELD	
PROJECT NUMBER: STP 2926(1)	
FILE NAME: p10b258.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10b258sbd22.i	SHEET 123 OF 387



CURVE 63 BANKING TRANSITION DIAGRAM

SUPERELEVATION BANKING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING THE HORIZONTAL AND VERTICAL GEOMETRY OF THE ROADWAY.

2. SUPERELEVATION RATES AND RUNOFF LENGTHS WERE DETERMINED USING A DESIGN SPEED EQUAL TO THE POSTED SPEED. A MAXIMUM SUPERELEVATION RATE OF 0.08 IS USED IN AREAS WITH A POSTED SPEED ABOVE 30 MPH. IN AREAS WITH AN INTERSECTING SIDE ROAD A MAXIMUM SUPERELEVATION RATE OF 0.06 WAS USED. SEE VAOT STANDARD B-1 FOR MORE INFORMATION.

Stantec

NOT TO SCALE

SUPERELEVATION BANKING TRANSITION DIAGRAM SHEET #23

NOTE: CURVE #62 DOES NOT REQUIRE BANKING

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258sbd23.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 124 OF 387

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Tangent	POB	488+07.04	783820.83	1554477.73						
	PC	492+67.34	784167.17	1554780.93						
Arc	PC	492+67.34	784167.17	1554780.93	803.8	469.85	33°29'28"	Left	0.060	50
	PI	495+09.19	784349.14	1554940.24						
	CC		784696.63	1554176.14						
	PT	497+37.19	784588.80	1554972.68						
Tangent	PT	497+37.19	784588.80	1554972.68						
	PC	499+03.82	784753.92	1554995.03						
Arc	PC	499+03.82	784753.92	1554995.03	1200	139.11	6°38'31"	Right	0.055	50
	PI	499+73.45	784822.92	1555004.38						
	CC		784592.94	1556184.19						
	PT	500+42.93	784890.38	1555021.64						
Tangent	PT	500+42.93	784890.38	1555021.64						
	PC	500+96.53	784942.32	1555034.92						
Arc	PC	500+96.53	784942.32	1555034.92	850	342.66	23°05'52"	Left	0.06	50
	PI	502+70.22	785110.58	1555077.98						
	CC		785153.01	1554211.45						
	PT	504+39.19	785282.25	1555051.56						
Tangent	PT	504+39.19	785282.25	1555051.56						
	PC	509+88.93	785825.60	1554967.97						
Arc	PC	509+88.93	785825.60	1554967.97	10000	321.68	1°50'35"	Right	NC	50
	PI	511+49.78	785984.58	1554943.51						
	CC		787346.16	1564851.69						
	PT	513+10.61	786144.27	1554924.18						
Tangent	PT	513+10.61	786144.27	1554924.18						
	PC	515+52.22	786384.13	1554895.14						
Arc	PC	515+52.22	786384.13	1554895.14	600	227.59	21°44'00"	Left	0.080	50
	PI	516+67.40	786498.47	1554881.30						
	CC		786312.01	1554299.49						
	PT	517+79.81	786599.56	1554826.10						
Tangent	PT	517+79.81	786599.56	1554826.10						
	PC	519+64.14	786761.35	1554737.76						
Arc	PC	519+64.14	786761.35	1554737.76	1500	248.33	9°29'08"	Right	0.062	50
	PI	520+88.59	786870.58	1554678.11						
	CC		787480.23	1556054.27						
	PT	522+12.47	786988.14	1554637.29						
Tangent	PT	522+12.47	786988.14	1554637.29						
	PC	523+36.40	787105.20	1554596.63						
Arc	PC	523+36.40	787105.20	1554596.63	2000	233.22	6°40'53"	Left	0.051	50
	PI	524+53.14	787215.49	1554558.33						
	CC		786449.08	1552707.32						
	PT	525+69.62	787320.57	1554507.46						
Tangent	PT	525+69.62	787320.57	1554507.46						
	PC	527+52.83	787485.47	1554427.63						
Arc	PC	527+52.83	787485.47	1554427.63	660	478.77	41°33'46"	Right	0.060	50
	PI	530+03.30	787710.91	1554318.49						
	CC		787773.06	1555021.68						
	PT	532+31.60	787951.99	1554386.40						
Tangent	PT	532+31.60	787951.99	1554386.40						
	PC	544+82.86	789156.39	1554725.63						
Arc	PC	544+82.86	789156.39	1554725.63	3200	288.16	5°09'34"	Left	0.035	50
	PI	546+27.04	789295.17	1554764.72						
	CC		790023.95	1551645.47						
	PT	547+71.02	789436.90	1554791.17						
Tangent	PT	547+71.02	789436.90	1554791.17						
	PC	548+97.95	789561.67	1554814.45						
Arc	PC	548+97.95	789561.67	1554814.45	5000	436.09	4°59'50"	Right	0.024	50
	PI	551+16.13	789776.15	1554854.48						
	CC		788644.40	1559729.59						
	PT	553+34.04	789986.32	1554913.03						
Tangent	PT	553+34.04	789986.32	1554913.03						
	PC	555+05.18	790151.19	1554958.96						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Arc	PC	555+05.18	790151.19	1554958.96	7500	328.05	2°30'22"	Left	0.020	50
	PI	556+69.23	790309.22	1555002.99						
	CC		792164.07	1547734.12						
	PT	558+33.23	790469.03	1555040.07						
Tangent	PT	558+33.23	790469.03	1555040.07						
	PC	558+78.21	790512.85	1555050.24						
Arc	PC	558+78.21	790512.85	1555050.24	30000	401.30	0°45'59"	Left	NC	50
	PI	560+78.87	790708.31	1555095.59						
	CC		797293.01	1525826.45						
	PT	562+79.51	790904.36	1555138.32						
Tangent	PT	562+79.51	790904.36	1555138.32						
	PC	564+15.55	791037.28	1555167.28						
Arc	PC	564+15.55	791037.28	1555167.28	1500	297.79	11°22'29"	Right	0.062	50
	PI	565+64.93	791183.23	1555199.10						
	CC		790717.84	1556632.88						
	PT	567+13.34	791320.05	1555259.07						
Tangent	PT	567+13.34	791320.05	1555259.07						
	PC	575+06.67	792046.64	1555577.57						
Arc	PC	575+06.67	792046.64	1555577.57	1300	293.16	12°55'15"	Left	0.067	50
	PI	576+53.88	792181.47	1555636.67						
	CC		792568.56	1554386.94						
	PT	577+99.84	792326.09	1555664.13						
Tangent	PT	577+99.84	792326.09	1555664.13						
	PC	579+15.45	792439.68	1555685.69						
Arc	PC	579+15.45	792439.68	1555685.69	5000	108.71	1°14'45"	Right	0.020	50
	PI	579+69.81	792493.08	1555695.83						
	CC		791507.11	1560597.95						
	PT	580+24.16	792546.25	1555707.13						
Tangent	PT	580+24.16	792546.25	1555707.13						
	PC	580+78.67	792599.57	1555718.45						
Arc	PC	580+78.67	792599.57	1555718.45	680	384.15	32°22'04"	Left	0.080	50
	PI	582+76.02	792792.61	1555759.47						
	CC		792740.89	1555053.30						
	PT	584+62.81	792977.61	1555690.77						
Tangent	PT	584+62.81	792977.61	1555690.77						
	PC	587+89.38	793283.75	1555577.08						
Arc	PC	587+89.38	793283.75	1555577.08	1265	285.63	12°56'13"	Right	0.068	50
	PI	589+32.81	793418.21	1555527.15						
	CC		793724.13	1556762.95						
	PCC	590+75.01	793560.43	1555508.59						
	PCC	590+75.01	793560.43	1555508.59	833	196.74	13°31'55"	Right	0.079	50
	PI	591+73.84	793658.42	1555495.80						
	CC	0	793668.23	1556334.59						
	PT	592+71.75	793756.69	1555506.30						
Tangent	PT	592+71.75	793756.69	1555506.30						
	PC	594+91.46	793975.16	1555529.63						
Arc	PC	594+91.46	793975.16	1555529.63	1000	418.71	23°59'25"	Right	0.076	50
	PI	597+03.93	794186.43	1555552.19						
	CC		793868.96	1556523.97						
	PT	599+10.17	794370.27	1555658.71						
Tangent	PT	599+10.17	794370.27	1555658.71						
	PC	601+06.40	794540.06	1555757.08						
Arc	PC	601+06.40	794540.06	1555757.08	980	663.97	38°49'08"	Left	0.059	50
	PI	604+51.70	794838.84	1555930.18						
	CC		795031.35	1554909.12						
	PT	607+70.37	795180.13	1555877.76						
Tangent	PT	607+70.37	795180.13	1555877.76						
	PC	611+47.73	795553.11	1555820.47						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Arc	PC	611+47.73	795553.11	1555820.47	18000	775.21	2°28'03"	Right	NC	50
	PI	615+35.39	795936.28	1555761.61						
	CC		798285.84	1573611.82						
	PT	619+22.93	796321.63	1555719.31						
Tangent	PT	619+22.93	796321.63	1555719.31						
	PC	619+27.41	796326.08	1555718.82						
Arc	PC	619+27.41	796326.08	1555718.82	1800	314.04	9°59'46"	Right	0.046	50
	PI	620+84.83	796482.56	1555701.64						
	CC		796522.50	1557508.07						
	PT	622+41.45	796639.64	1555711.89						
Tangent	PT	622+41.45	796639.64	1555711.89						
	PC	623+18.12	796716.15	1555716.88						
Arc	PC	623+18.12	796716.15	1555716.88	1000	313.43	17°57'30"	Left	0.076	50
	PI	624+76.13	796873.82	1555727.16						
	CC		796781.22	1554719.00						
	PT	626+31.55	797026.99	1555688.33						
Tangent	PT	626+31.55	797026.99	1555688.33						
	PC	629+82.33	797367.02	1555602.12						
Arc	PC	629+82.33	797367.02	1555602.12	4000	479.32	6°51'57"	Right	0.029	50
	PI	632+22.28	797599.60	1555543.15						
	CC		798350.07	1559479.44						
	PT	634+61.66	797837.58	1555512.40						
Tangent	PT	634+61.66	797837.58	1555512.40						
	PC	639+15.54	798287.72	1555454.25						
Arc	PC	639+15.54	798287.72	1555454.25	20000	157.93	0°27'09"	Left	NC	50
	PI	639+94.51	798366.04	1555444.13						
	CC		795725.25	1535619.09						
	PT	640+73.48	798444.27	1555433.40						
Tangent	PT	640+73.48	798444.27	1555433.40						
	PC	644+67.15	798834.29	1555379.88						
Arc	PC	644+67.15	798834.29	1555379.88	2500	328.20	7°31'18"	Right	0.043	50
	PI	646+31.49	798997.10	1555357.53						
	CC		799174.17	1557856.66						
	PT	647+95.35	799161.44	1555356.70						
Tangent	PT	647+95.35	799161.44	1555356.70						
	PC	649+09.29	799275.37	1555356.12						
Arc	PC	649+09.29	799275.37	1555356.12	1900	342.23	10°19'12"	Left	0.053	50
	PI	650+80.86	799446.94	1555355.24						
	CC		799265.69	1553456.14						
	PT	652+51.51	799615.58	1555323.65						
Tangent	PT	652+51.51	799615.58	1555323.65						
	PC	653+99.09	799760.64	1555296.47						
Arc	PC	653+99.09	799760.64	1555296.47	5000	219.13	2°30'40"	Right	0.024	50
	PI	655+08.67	799868.35	1555276.29						
	CC		800681.42	1560210.95						
	PT	656+18.22	799976.84	1555260.85						
Tangent	PT	656+18.22	799976.84	1555260.85						
	PC	660+71.55	800425.65	1555196.96						
Arc	PC	660+71.55	800425.65	1555196.96	30000	310.02	0°35'32"	Right	NC	50
	PI	662+26.57	800579.11	1555175.12						
	CC		804653.13	1584897.61						
	PT	663+81.58	800732.80	1555154.86						
Tangent	PT	663+81.58	800732.80	1555154.86						
	PC	665+38.80	800888.67	1555134.32						
Arc	PC	665+38.80	800888.67	1555134.32	1150	458.47	22°50'32"	Left	0.071	50
	PI	667+71.12	801119.00	1555103.96						
	CC		800738.39	1553994.18						
	PT	669+97.27	801319.48	1554986.57						

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HORIZONTAL ALIGNMENT TABLE SHEET #1

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258hats01.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 125 OF 387

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Tangent	PT	669+97.27	801319.48	1554986.57						
	PC	671+16.56	801422.42	1554926.29						
Arc	PC	671+16.56	801422.42	1554926.29	1200	260.76	12°27'01"	Right	0.070	50
	PI	672+47.45	801535.37	1554860.15						
	CC		802028.77	1555961.83						
	PT	673+77.31	801659.93	1554819.92						
Tangent	PT	673+77.31	801659.93	1554819.92						
	PC	681+40.56	802386.23	1554585.32						
Arc	PC	681+40.56	802386.23	1554585.32	1100	330.20	17°11'56"	Right	0.073	50
	PI	683+06.91	802544.53	1554534.19						
	CC		802724.34	1555632.07						
	PT	684+70.76	802710.86	1554532.15						
Tangent	PT	684+70.76	802710.86	1554532.15						
	PC	686+82.25	802922.34	1554529.56						
Arc	PC	686+82.25	802922.34	1554529.56	1550	364.20	13°27'45"	Left	0.060	50
	PI	688+65.19	803105.27	1554527.32						
	CC		802903.36	1552979.68						
	PT	690+46.45	803282.65	1554482.56						
Tangent	PT	690+46.45	803282.65	1554482.56						
	PC	691+60.82	803393.54	1554454.57						
Arc	PC	691+60.82	803393.54	1554454.57	1800	288.43	9°10'52"	Right	0.055	50
	PI	693+05.35	803533.67	1554419.20						
	CC		803834.01	1556199.85						
	0	693+82.00	803610.78	1554413.74	Cambridge 693+84.48 BK = Fletcher 0+00.00 AHD					
		0+00.00	803610.78	1554413.74						
	PT	0+67.25	803677.65	1554406.65						
Tangent	PT	0+67.25	803677.65	1554406.65						
	PC	4+52.30	804061.25	1554373.20						
Arc	PC	4+52.30	804061.25	1554373.20	1240	1080.11	49°54'29"	Left	0.069	50
	PI	10+29.31	804636.08	1554323.08						
	CC		803953.54	1553137.89						
	PT	15+32.41	804967.93	1553851.05						
Tangent	PT	15+32.41	804967.93	1553851.05						
	PC	25+22.08	805537.12	1553041.44						
Arc	PC	25+22.08	805537.12	1553041.44	15000	284.92	1°05'18"	Right	NC	50
	PI	26+64.55	805619.06	1552924.90						
	CC		817808.04	1561668.41						
	PT	28+07.00	805703.19	1552809.93						
Tangent	PT	28+07.00	805703.19	1552809.93						
	PC	28+28.42	805715.84	1552792.65						
Arc	PC	28+28.42	805715.84	1552792.65	960	799.92	47°44'29"	Right	0.080	50
	PI	32+53.25	805966.73	1552449.81						
	CC		806490.55	1553359.59						
	PT	36+28.34	806389.18	1552404.96						
Tangent	PT	36+28.34	806389.18	1552404.96						
	PC	36+36.59	806397.39	1552404.08						
Arc	PC	36+36.59	806397.39	1552404.08	940	706.06	43°02'12"	Right	0.061	50
	PI	40+07.22	806765.94	1552364.95						
	CC		806496.65	1553338.83						
	PT	43+42.66	807062.03	1552587.87						
Tangent	PT	43+42.66	807062.03	1552587.87						
	PC	51+50.97	807707.79	1553074.04						
Arc	PC	51+50.97	807707.79	1553074.04	5000	494.64	5°40'05"	Right	0.022	50
	PI	53+98.49	807905.53	1553222.92						
	CC		804700.43	1557068.52						
	PT	56+45.61	808087.60	1553390.60						
Tangent	PT	56+45.61	808087.60	1553390.60						
	PC	65+41.83	808746.85	1553997.73						
Arc	PC	65+41.83	808746.85	1553997.73	1450	688.76	27°12'58"	Left	0.063	50
	PI	68+92.83	809005.04	1554235.51						
	CC		809729.13	1552931.13						
	PT	72+30.59	809343.40	1554328.89						
Tangent	PT	72+30.59	809343.40	1554328.89						
	PC	80+87.94	810169.86	1554556.96						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Arc	PC	80+87.94	810169.86	1554556.96	3200	672.73	12°02'43"	Left	0.035	50
	PI	84+25.55	810495.31	1554646.77						
	CC		811021.12	1551472.26						
	PT	87+60.68	810832.33	1554666.68						
Tangent	PT	87+60.68	810832.33	1554666.68						
	PC	101+26.08	812195.36	1554747.24						
Arc	PC	101+26.08	812195.36	1554747.24	4585	1439.85	17°59'34"	Right	0.026	50
	PI	108+51.98	812920.00	1554790.06						
	CC		811924.87	1559324.25						
	PT	115+65.94	813595.97	1555054.63						
Tangent	PT	115+65.94	813595.97	1555054.63						
	0	123+11.16	814289.93	1555326.25	Fletcher 123+12.96 BK = Bakersfield 0+00.00 AHD					
	0	0+00.00	814289.93	1555326.25						
	PC	2+43.76	814516.93	1555415.09						
Arc	PC	2+43.76	814516.93	1555415.09	2900	451.12	8°54'46"	Left	0.038	50
	PI	4+69.78	814727.39	1555497.47						
	CC		815573.89	1552714.57						
	PT	6+94.88	814948.08	1555546.24						
Tangent	PT	6+94.88	814948.08	1555546.24						
	PC	15+14.93	815748.81	1555723.20						
Arc	PC	15+14.93	815748.81	1555723.20	10000	173.87	0°59'46"	Right	NC	50
	PI	16+01.87	815833.70	1555741.97						
	CC		813590.84	1565487.59						
	PT	16+88.80	815918.25	1555762.20						
Tangent	PT	16+88.80	815918.25	1555762.20						
	PC	18+09.24	816035.38	1555790.23						
Arc	PC	18+09.24	816035.38	1555790.23	1640	559.24	19°32'16"	Right	0.048	50
	PI	20+91.60	816309.99	1555855.95						
	CC		815653.69	1557385.19						
	PT	23+68.48	816546.81	1556009.72						
Tangent	PT	23+68.48	816546.81	1556009.72						
	PC	27+03.54	816827.83	1556192.19						
Arc	PC	27+03.54	816827.83	1556192.19	1385	606.20	25°04'39"	Left	0.053	50
	PI	30+11.58	817086.18	1556359.94						
	CC		817582.08	1555030.58						
	PCC	33+09.74	817391.27	1556402.37						
	PCC	33+09.74	817391.27	1556402.37	1850	321.25	9°56'58"	Left	0.054	50
	PI	34+70.77	817550.77	1556424.56						
	CC	0	817646.14	1554570.02						
	PT	36+30.99	817711.70	1556418.85						
Tangent	PT	36+30.99	817711.70	1556418.85						
	PC	46+38.58	818718.65	1556383.15						
Arc	PC	46+38.58	818718.65	1556383.15	22000	118.53	0°18'31"	Left	NC	50
	PI	46+97.85	818777.88	1556381.05						
	CC		817939.11	1534396.97						
	PT	47+57.11	818837.09	1556378.63						
Tangent	PT	47+57.11	818837.09	1556378.63						
	PC	50+04.34	819084.12	1556368.54						
Arc	PC	50+04.34	819084.12	1556368.54	15000	129.21	0°29'37"	Right	NC	50
	PI	50+68.95	819148.68	1556365.90						
	CC		819696.38	1571356.04						
	PT	51+33.56	819213.25	1556363.82						
Tangent	PT	51+33.56	819213.25	1556363.82						
	PC	61+51.09	820230.25	1556331.05						
Arc	PC	61+51.09	820230.25	1556331.05	1433	501.22	20°02'25"	Right	0.051	50
	PI	64+04.28	820483.31	1556322.89						
	CC		820276.41	1557763.31						
	PT	66+52.30	820723.85	1556401.95						
Tangent	PT	66+52.30	820723.85	1556401.95						
	PC	75+60.49	821586.63	1556685.53						

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Arc	PC	75+60.49	821586.63	1556685.53	2100	500.21	13°38'51"	Right	0.042	50
	PI	78+11.79	821825.36	1556763.99						
	CC		820930.92	1558680.53						
	PT	80+60.71	822038.84	1556896.57						
Tangent	PT	80+60.71	822038.84	1556896.57						
	PC	82+15.06	822169.97	1556978.01						
Arc	PC	82+15.06	822169.97	1556978.01	30000	405.88	0°46'31"	Right	NC	50
	PI	84+18.00	822342.37	1557085.08						
	CC		806342.58	1582463.17						
	PT	86+20.94	822513.30	1557194.47						
Tangent	PT	86+20.94	822513.30	1557194.47						
	PC	89+35.48	822778.24	1557364.01						
Arc	PC	89+35.48	822778.24	1557364.01	4500	618.25	7°52'18"	Left	0.026	50
	PI	92+45.09	823039.02	1557530.90						
	CC		825203.85	1553573.71						
	PT	95+53.73	823320.20	1557660.50						
Tangent	PT	95+53.73	823320.20	1557660.50						
	PC	96+09.39	823370.75	1557683.80						
Arc	PC	96+09.39	823370.75	1557683.80	10000	342.00	1°57'34"	Right	NC	50
	PI	97+80.41	823526.06	1557755.38						
	CC		819184.87	1566765.56						
	PT	99+51.39	823678.84	1557832.24						
Tangent	PT	99+51.39	823678.84	1557832.24						
	PC	101+93.92	823895.50	1557941.23						
Arc	PC	101+93.92	823895.50	1557941.23	20000	294.71	0°50'39"	Left	NC	50
	PI	103+41.28	824027.14	1558007.45						
	CC		832883.44	1540074.58						
	PT	104+88.63	824159.74	1558071.73						
Tangent	PT	104+88.63	824159.74	1558071.73						
	PC	106+57.61	824311.80	1558145.43						
Arc	PC	106+57.61	824311.80	1558145.43	10000	143.45	0°49'19"	Right	NC	50
	PI	107+29.33	824376.34	1558176.72						
	CC		819949.95	1567144.00						
	PT	108+01.06	824440.43	1558208.93						
Tangent	PT	108+01.06	824440.43	1558208.93						
	PC	112+58.79	824849.41	1558414.47						
Arc	PC	112+58.79	824849.41	1558414.47	2200	290.69	7°34'14"	Left	0.047	50
	PI	114+04.34	824979.47	1558479.83						
	CC		825837.32	1556448.75						
	PT	115+49.47	825117.00	1558527.49						
Tangent	PT	115+49.47	825117.00	1558527.49						
	PC	119+57.77	825502.78	1558661.17						
Arc	PC	119+57.77	825502.78	1558661.17	15000	418.69	1°35'57"	Left	NC	50
	PI	121+67.13	825700.61	1558729.72						
	CC		830414.04	1544487.97						
	PT	123+76.46	825900.26	1558792.72						
Tangent	PT	123+76.46	825900.26	1558792.72						
	PC	127+33.59	826240.84	1558900.19						
Arc	PC	127+33.59	826240.84	1558900.19	4500	561.98	7°09'19"	Right	0.026	50
	PI	130+14.95	826509.15	1558984.85						
	CC		824886.71	1563191.61						
	PT	132+95.57	826764.83	1559102.28						
Tangent	PT	132+95.57	826764.83	1559102.28						
	PC	141+45.05	827536.79	1559456.82						
Arc	PC	141+45.05	827536.79	1559456.82	800	439.18	31°27'14"	Right	0.079	50
	PI	143+70.32	827741.51	1559550.84						
	CC		827202.90	1560183.81						
	PT	145+84.23	827867.08	1559737.87						

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HORIZONTAL ALIGNMENT TABLE SHEET #2

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258hats02.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 126 OF 387

Element	Point Type	Station	Northing	Easting	Radius	Length	Delta / Theta	Rotation Direction	Maximum Banking	Design Speed
Tangent	PT	145+84.23	827867.08	1559737.87						
	PC	146+60.30	827909.49	1559801.02						
Arc	PC	146+60.30	827909.49	1559801.02	2500	271.30	6°13'04"	Left	0.043	50
	PI	147+96.08	827985.17	1559913.75						
	CC		829985.05	1558407.46						
	PT	149+31.60	828072.63	1560017.62						
Tangent	PT	149+31.60	828072.63	1560017.62						
	PC	151+14.55	828190.46	1560157.58						
Arc	PC	151+14.55	828190.46	1560157.58	1620	523.19	18°30'14"	Left	0.059	50
	PI	153+78.44	828360.43	1560359.45						
	CC		829429.71	1559114.19						
	PT	156+37.74	828585.67	1560496.94						
Tangent	PT	156+37.74	828585.67	1560496.94						
	PC	173+26.60	830027.19	1561376.86						
Arc	PC	173+26.60	830027.19	1561376.86	11000	352.22	1°50'05"	Right	NC	40
	PI	175+02.72	830177.52	1561468.62						
	CC		824296.03	1570765.88						
	PT	176+78.81	830324.84	1561565.15						
Tangent	PT	176+78.81	830324.84	1561565.15						
	PC	181+16.69	830691.09	1561805.14						
Arc	PC	181+16.69	830691.09	1561805.14	750	280.53	21°25'51"	Left	0.068	40
	PI	182+58.62	830809.80	1561882.93						
	CC		831102.15	1561177.82						
	PT	183+97.22	830948.72	1561911.96						

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HORIZONTAL ALIGNMENT TABLE SHEET #3

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258hats03.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 127 OF 387

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Paraboloa	PVC	488+63.26	465.49	623.352	-3.35%	0.63%	156.579	3.102	
		489+00.00	464.30						
		489+50.00	462.82						
		490+00.00	461.50						
		490+50.00	460.35						
		491+00.00	459.35						
		491+50.00	458.51						
	PVI	491+74.94	455.05						
		492+00.00	457.83						
		492+50.00	457.31						
		493+00.00	456.95						
		493+50.00	456.75						
	VLOW	493+87.72	456.70						
		494+00.00	456.71						
		494+50.00	456.83						
	PVT	494+86.62	457.02						
Linear	PVT	494+86.62	457.02	5.3996	0.63%				
	PVC	494+92.02	457.05						
Symmetrical Paraboloa	PVC	494+92.02	457.05	120	0.63%	6.06%	22.0955	0.8146	
		495+00.00	457.11						
		495+50.00	458.18						
	PVI	495+52.02	457.43						
		496+00.00	460.37						
	PVT	496+12.02	461.07						
Linear	PVT	496+12.02	461.07	33.2764	6.06%				
	PVC	496+45.29	463.08						
Symmetrical Paraboloa	PVC	496+45.29	463.08	100	6.06%	-0.95%	14.2704	-0.8759	203.9985
		496+50.00	463.36						
	PVI	496+95.29	466.11						
		497+00.00	465.35						
	VHIGH	497+31.81	465.71						
	PVT	497+45.29	465.64						
Linear	PVT	497+45.29	465.64	48.8504	-0.95%				
		497+50.00	465.60						
	PVC	497+94.14	465.18						
Symmetrical Paraboloa	PVC	497+94.14	465.18	150	-0.95%	1.53%	60.5528	0.4645	
		498+00.00	465.13						
		498+50.00	464.91						
	VLOW	498+51.36	464.91						
	PVI	498+69.14	464.47						
		499+00.00	465.11						
	PVT	499+44.14	465.62						
Linear	PVT	499+44.14	465.62	15.8536	1.53%				
		499+50.00	465.71						
	PVC	499+60.00	465.86						
Symmetrical Paraboloa	PVC	499+60.00	465.86	100	1.53%	-1.13%	37.6322	-0.3322	456.1083
		500+00.00	466.26						
	PVI	500+10.00	466.63						
	VHIGH	500+17.66	466.31						
		500+50.00	466.17						
	PVT	500+60.00	466.07						
Linear	PVT	500+60.00	466.07	54.9704	-1.13%				
		501+00.00	465.62						
	PVC	501+14.97	465.45						
Symmetrical Paraboloa	PVC	501+14.97	465.45	300	-1.13%	2.14%	91.8767	1.2245	
		501+50.00	465.12						
		502+00.00	464.89						
	VLOW	502+18.34	464.87						
		502+50.00	464.92						
	PVI	502+64.97	463.76						
		503+00.00	465.23						
		503+50.00	465.81						
		504+00.00	466.66						
	PVT	504+14.97	466.97						
Linear	PVT	504+14.97	466.97	136.4382	2.14%				
		504+50.00	467.72						
		505+00.00	468.79						
		505+50.00	469.86						
	PVC	505+51.40	469.89						
Symmetrical Paraboloa	PVC	505+51.40	469.89	100	2.14%	0.86%	77.9637	-0.1603	
		506+00.00	470.78						
	PVI	506+01.40	470.96						
		506+50.00	471.38						
	PVT	506+51.40	471.39						
Linear	PVT	506+51.40	471.39	219.1159	0.86%				
		507+00.00	471.81						
		507+50.00	472.24						
		508+00.00	472.66						
		508+50.00	473.09						
	PVC	508+70.52	473.27						
Symmetrical Paraboloa	PVC	508+70.52	473.27	340	0.86%	1.31%	752.504	0.192	
		509+00.00	473.53						
		509+50.00	473.99						
		510+00.00	474.49						
	PVI	510+40.52	474.73						
		510+50.00	475.02						
		511+00.00	475.59						
		511+50.00	476.18						
		512+00.00	476.82						
	PVT	512+10.52	476.95						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	512+10.52	476.95	113.7889	1.31%				
		512+50.00	477.47						
		513+00.00	478.12						
	PVC	513+24.31	478.44						
Symmetrical Paraboloa	PVC	513+24.31	478.44	240	1.31%	8.27%	34.4593	2.0894	
		513+50.00	478.88						
		514+00.00	480.27						
	PVI	514+44.31	480.01						
		514+50.00	482.38						
		515+00.00	485.22						
		515+50.00	488.79						
	PVT	515+64.31	489.94						
Linear	PVT	515+64.31	489.94	35.0848	8.27%				
	PVC	515+99.39	492.85						
Symmetrical Paraboloa	PVC	515+99.39	492.85	190	8.27%	0.82%	25.4881	-1.7704	
		516+00.00	492.90						
		516+50.00	496.53						
	PVI	516+94.39	500.71						
		517+00.00	499.18						
		517+50.00	500.86						
	PVT	517+89.39	501.48						
Linear	PVT	517+89.39	501.48	85.6018	0.82%				
		518+00.00	501.57						
		518+50.00	501.98						
	PVC	518+75.00	502.19						
Symmetrical Paraboloa	PVC	518+75.00	502.19	200	0.82%	6.89%	32.931	1.5183	
		519+00.00	502.49						
		519+50.00	503.66						
	PVI	519+75.00	503.01						
		520+00.00	505.58						
		520+50.00	508.27						
	PVT	520+75.00	509.90						
Linear	PVT	520+75.00	509.90	1.5277	6.89%				
	PVC	520+76.52	510.00						
Symmetrical Paraboloa	PVC	520+76.52	510.00	60	6.89%	4.33%	23.4401	-0.192	
		521+00.00	511.51						
	PVI	521+06.52	512.07						
	PVT	521+36.52	513.37						
Linear	PVT	521+36.52	513.37	163.8386	4.33%				
		521+50.00	513.96						
		522+00.00	516.12						
		522+50.00	518.29						
		523+00.00	520.46						
	PVC	523+00.36	520.47						
Symmetrical Paraboloa	PVC	523+00.36	520.47	100	4.33%	3.25%	92.6286	-0.1349	
		523+50.00	522.49						
	PVI	523+50.36	522.64						
		524+00.00	524.25						
	PVT	524+00.36	524.27						
Linear	PVT	524+00.36	524.27	101.6239	3.25%				
		524+50.00	525.88						
		525+00.00	527.51						
	PVC	525+01.99	527.57						
Symmetrical Paraboloa	PVC	525+01.99	527.57	100	3.25%	1.13%	47.0154	-0.2659	
		525+50.00	528.89						
	PVI	525+51.99	529.20						
		526+00.00	529.74						
	PVT	526+01.99	529.76						
Linear	PVT	526+01.99	529.76	228.5998	1.13%				
		526+50.00	530.30						
		527+00.00	530.87						
		527+50.00	531.43						
		528+00.00	531.99						
	PVC	528+30.59	532.34						
Symmetrical Paraboloa	PVC	528+30.59	532.34	150	1.13%	4.97%	39.0775	0.7197	
		528+50.00	532.60						
		529+00.00	533.74						
	PVI	529+05.59	533.18						
		529+50.00	535.51						
	PVT	529+80.59	536.91						
Linear	PVT	529+80.59	536.91	64.4099	4.97%				
		530+00.00	537.87						
	PVC	530+45.00	540.10						
Symmetrical Paraboloa	PVC	530+45.00	540.10	110	4.97%	-1.90%	16.0311	-0.9435	212.2726
		530+50.00	540.34						
	PVI	531+00.00	542.84						
		531+00.00	541.89						
	VHIGH	531+24.59	542.08						
		531+50.00	541.88						
	PVT	531+55.00	541.79						
Linear	PVT	531+55.00	541.79	39.582	-1.90%				
	PVC	531+94.58	541.04						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Paraboloa	PVC	531+94.58	541.04	155	-1.90%	-0.62%	121.425	0.2473	
		532+00.00	540.94						
		532+50.00	540.12						
	PVI	532+72.08	539.57						
		533+00.00	539.50						
	PVT	533+49.58	539.09						
Linear	PVT	533+49.58	539.09	50.507	-0.62%				
		533+50.00	539.09						
		534+00.00	538.78						
	PVC	534+00.08	538.78						
Symmetrical Paraboloa	PVC	534+00.08	538.78	100	-0.62%	-1.12%	198.594	-0.0629	
		534+50.00	538.41						
	PVI	534+50.08	538.47						
		535+00.00	537.91						
	PVT	535+00.08	537.91						
Linear	PVT	535+00.08	537.91	189.471	-1.12%				
		535+50.00	537.35						
		536+00.00	536.78						
		536+50.00	536.22						
	PVC	536+89.56	535.78						
Symmetrical Paraboloa	PVC	536+89.56	535.78	350	-1.12%	0.50%	215.583	0.7103	
		537+00.00	535.66						
		537+50.00	535.18						
		538+00.00	534.82						
		538+50.00	534.57						
	PVI	538+64.56	533.81						
		539+00.00	534.44						
	VLOW	539+31.76	534.42						
		539+50.00	534.42						
		540+00.00	534.52						
	PVT	540+39.56	534.69						
Linear	PVT	540+39.56	534.69	19.7372	0.50%				
		540+50.00	534.74						
	PVC	540+59.29	534.79						
Symmetrical Paraboloa	PVC	540+59.29	534.79	110	0.50%	-3.39%	28.2915	-0.5346	332.5521
	VHIGH	540+73.44	534.82						
		541+00.00	534.70						
	PVI	541+14.29	535.06						
		541+50.00	533.78						
	PVT	541+69.29	533.20						
Linear	PVT	541+69.29	533.20	87.6363	-3.39%				
		542+00.00	532.16						
		542+50.00	530.46						
	PVC	542+56.93	530.23						
Symmetrical Paraboloa	PVC	542+56.93	530.23	340	-3.39%	4.30%	44.2263	3.2673	
		543+00.00	528.98						
		543+50.00	528.05						
		544+00.00	527.69						
	VLOW	544+06.77	527.69						
	PVI	544+26.93	524.47						
		544+50.00	527.90						
		545+00.00	528.67						
		545+50.00	530.01						
	PVT	545+96.93	531.78						
Linear	PVT	545+96.93	531.78	26.4689	4.30%				
		546+00.00	531.91						
	PVC	546+23.40	532.92						
Symmetrical Paraboloa	PVC	546+23.40	532.92	180	4.30%	-6.17%	17.189	-2.3562	193.0531
		546+50.00	533.85						
	VHIGH	546+97.30	534.50						
		547+00.00	534.50						
	PVI	547+13.40	536.78						
		547+50.00	533.70						
		548+00.00	531.44						
	PVT	548+03.40	531.23						
Linear	PVT	548+03.40	531.23	96.3216	-6.17%				
		548+50.00	528.35						
	PVC	548+99.72	525.28						
Symmetrical Paraboloa	PVC	548+99.72	525.28	150	-6.17%	-1.07%	29.4004	0.9566	
		549+00.00	525.27						
		549+50.00	522.61						
	PVI	549+74.72	520.66						
		550+00.00	520.81						
	PVT	550+49.72	519.85						
Linear	PVT	550+49.72	519.85	242.3053	-1.07%				
		550+50.00	519.85						
		551+00.00	519.31						
		551+50.00	518.78						
		552+00.00	518.24						
		552+50.00	517.71						
	PVC	552+92.03	517.26						

Stantec

VERTICAL ALIGNMENT TABLE SHEET #1

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258vats01.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 128 OF 387

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Paraboloa	PVC	552+92.03	517.26	250	-1.07%	3.20%	58.5393	1.3346	
		553+00.00	517.18						
		553+50.00	516.93						
	VLOW	553+54.67	516.92						
		554+00.00	517.10						
	PVI	554+17.03	515.92						
		554+50.00	517.70						
		555+00.00	518.73						
	PVT	555+42.03	519.92						
Linear	PVT	555+42.03	519.92	58.027	3.20%				
		555+50.00	520.18						
		556+00.00	521.78						
	PVC	556+00.05	521.78						
Symmetrical Paraboloa	PVC	556+00.05	521.78	150	3.20%	-3.19%	23.4581	-1.1989	243.7651
		556+50.00	522.85						
	PVI	556+75.05	524.18						
	VHIGH	556+75.13	522.98						
		557+00.00	522.85						
		557+50.00	521.79						
	PVT	557+50.05	521.78						
Linear	PVT	557+50.05	521.78	54.9871	-3.19%				
		558+00.00	520.19						
	PVC	558+05.04	520.03						
Symmetrical Paraboloa	PVC	558+05.04	520.03	100	-3.19%	-1.74%	68.5435	0.1824	
		558+50.00	518.74						
	PVI	558+55.04	518.43						
		559+00.00	517.65						
	PVT	559+05.04	517.56						
Linear	PVT	559+05.04	517.56	48.2612	-1.74%				
		559+50.00	516.78						
	PVC	559+53.30	516.73						
Symmetrical Paraboloa	PVC	559+53.30	516.73	80	-1.74%	-3.66%	41.6776	-0.1919	
	PVI	559+93.30	516.03						
		560+00.00	515.65						
	PVT	560+33.30	514.57						
Linear	PVT	560+33.30	514.57	89.5743	-3.66%				
		560+50.00	513.96						
		561+00.00	512.13						
	PVC	561+22.87	511.30						
Symmetrical Paraboloa	PVC	561+22.87	511.30	250	-3.66%	0.43%	61.2543	1.2754	
		561+50.00	510.37						
		562+00.00	508.96						
	PVI	562+47.87	506.73						
		562+50.00	507.97						
		563+00.00	507.39						
	VLOW	563+46.73	507.21						
		563+50.00	507.21						
	PVT	563+72.87	507.26						
Linear	PVT	563+72.87	507.26	386.6037	0.43%				
		564+00.00	507.38						
		564+50.00	507.59						
		565+00.00	507.81						
		565+50.00	508.02						
		566+00.00	508.23						
		566+50.00	508.45						
		567+00.00	508.66						
		567+50.00	508.87						
	PVC	567+59.48	508.91						
Symmetrical Paraboloa	PVC	567+59.48	508.91	100	0.43%	-1.07%	67.0424	-0.1864	773.4887
	VHIGH	567+88.09	508.97						
		568+00.00	508.96						
	PVI	568+09.48	509.13						
		568+50.00	508.69						
	PVT	568+59.48	508.59						
Linear	PVT	568+59.48	508.59	145.851	-1.07%				
		569+00.00	508.16						
		569+50.00	507.63						
		570+00.00	507.10						
	PVC	570+05.33	507.04						
Symmetrical Paraboloa	PVC	570+05.33	507.04	300	-1.07%	1.82%	104.055	1.0812	
		570+50.00	506.66						
		571+00.00	506.46						
	VLOW	571+16.12	506.45						
		571+50.00	506.51						
	PVI	571+55.33	505.44						
		572+00.00	506.79						
		572+50.00	507.31						
		573+00.00	508.08						
	PVT	573+05.33	508.17						
Linear	PVT	573+05.33	508.17	29.7153	1.82%				
	PVC	573+35.04	508.71						
Symmetrical Paraboloa	PVC	573+35.04	508.71	200	1.82%	6.80%	40.1472	1.2454	
		573+50.00	509.01						
		574+00.00	510.42						
	PVI	574+35.04	510.53						
		574+50.00	512.45						
		575+00.00	515.10						
	PVT	575+35.04	517.33						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	575+35.04	517.33	35.3478	6.80%				
		575+50.00	518.35						
	PVC	575+70.39	519.73						
Symmetrical Paraboloa	PVC	575+70.39	519.73	131.1463	6.80%	-0.70%	17.4862	-1.2295	209.4598
		576+00.00	521.50						
	PVI	576+35.97	524.19						
		576+50.00	523.33						
	VHIGH	576+89.30	523.78						
		577+00.00	523.74						
	PVT	577+01.54	523.73						
Linear	PVT	577+01.54	523.73	88.457	-0.70%				
		577+50.00	523.39						
	PVC	577+90.00	523.11						
Symmetrical Paraboloa	PVC	577+90.00	523.11	120	-0.70%	-2.63%	62.0699	-0.29	
		578+00.00	523.04						
	PVI	578+50.00	522.69						
		578+50.00	522.40						
		579+00.00	521.37						
	PVRC	579+10.00	521.11						
Symmetrical Paraboloa	PVRC	579+10.00	521.11	150	-2.63%	-0.58%	73.1734	0.3844	
		579+50.00	520.17						
	PVI	579+85.00	519.14						
		580+00.00	519.30						
		580+50.00	518.77						
	PVT	580+60.00	518.70						
Linear	PVT	580+60.00	518.70	16.0118	-0.58%				
	PVC	580+76.01	518.61						
Symmetrical Paraboloa	PVC	580+76.01	518.61	275	-0.58%	-5.33%	57.9854	-1.6303	
		581+00.00	518.42						
		581+50.00	517.70						
		582+00.00	516.56						
	PVI	582+13.51	517.81						
		582+50.00	514.98						
		583+00.00	512.98						
		583+50.00	510.54						
	PVT	583+51.01	510.48						
Linear	PVT	583+51.01	510.48	103.4267	-5.33%				
		584+00.00	507.87						
		584+50.00	505.21						
	PVC	584+54.43	504.97						
Symmetrical Paraboloa	PVC	584+54.43	504.97	130	-5.33%	-0.03%	24.5452	0.8607	
		585+00.00	502.97						
	PVI	585+19.43	501.51						
		585+50.00	501.75						
	PVT	585+84.43	501.49						
Linear	PVT	585+84.43	501.49	130.5615	-0.03%				
		586+00.00	501.49						
		586+50.00	501.47						
		587+00.00	501.46						
	PVC	587+15.00	501.45						
Symmetrical Paraboloa	PVC	587+15.00	501.45	140	-0.03%	-7.32%	19.2171	-1.2749	
		587+50.00	501.13						
	PVI	587+85.00	501.43						
		588+00.00	499.55						
		588+50.00	496.67						
	PVCC	588+55.00	496.31						
Symmetrical Paraboloa	PVCC	588+55.00	496.31	100	-7.32%	-7.51%	503.322	-0.0248	
		589+00.00	493.00						
	PVI	589+05.00	492.66						
		589+50.00	489.27						
	PVRC	589+55.00	488.90						
Symmetrical Paraboloa	PVRC	589+55.00	488.90	230	-7.51%	0.44%	28.9181	2.2866	
		590+00.00	485.87						
		590+50.00	483.32						
	PVI	590+70.00	480.26						
		591+00.00	481.64						
		591+50.00	480.82						
	VLOW	591+72.27	480.74						
	PVT	591+85.00	480.77						
Linear	PVT	591+85.00	480.77	96.8751	0.44%				
		592+00.00	480.83						
		592+50.00	481.05						
	PVC	592+81.87	481.19						
Symmetrical Paraboloa	PVC	592+81.87	481.19	300	0.44%	-2.85%	91.214	-1.2334	478.112
		593+00.00	481.25						
	VHIGH	593+22.01	481.28						
		593+50.00	481.24						
		594+00.00	480.95						
	PVI	594+31.87	481.85						
		594+50.00	480.38						
		595+00.00	479.54						
		595+50.00	478.43						
	PVT	595+81.87	477.58						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	595+81.87	477.58	53.3719	-2.85%				
		596+00.00	477.06						
	PVC	596+35.24	476.06						
Symmetrical Paraboloa	PVC	596+35.24	476.06	100	-2.85%	-0.83%	49.4331	0.2529	
		596+50.00	475.66						
	PVI	596+85.24	474.63						
		597+00.00	474.64						
	PVT	597+35.24	474.22						
Linear	PVT	597+35.24	474.22	331.753	-0.83%				
		597+50.00	474.10						
		598+00.00	473.69						
		598+50.00	473.27						
		599+00.00	472.86						
		599+50.00	472.45						
		600+00.00	472.03						
		600+50.00	471.62						
	PVC	600+67.00	471.48						
Symmetrical Paraboloa	PVC	600+67.00	471.48	240	-0.83%	4.09%	48.8392	1.4742	
		601+00.00	471.32						
	VLOW	601+07.34	471.31						
		601+50.00	471.50						
	PVI	601+87.00	470.49						
		602+00.00	472.19						
		602+50.00	473.40						
		603+00.00	475.11						
	PVT	603+07.00	475.39						
Linear	PVT	603+07.00	475.39	7.9462	4.09%				
	PVC	603+14.94	475.72						
Symmetrical Paraboloa	PVC	603+14.94	475.72	280	4.09%	-2.33%	43.6615	-2.2445	308.276
		603+50.00	477.01						
		604+00.00	478.37						
		604+50.00	479.15						
	PVI	604+54.94	481.44						
	VHIGH	604+93.43	479.37						
		605+00.00	479.36						
		605+50.00	479.00						
	PVT	605+94.94	478.19						
Linear	PVT	605+94.94	478.19	99.2826	-2.33%				
		606+00.00	478.07						
		606+50.00	476.91						
	PVC	606+94.22	475.88						
Symmetrical Paraboloa	PVC	606+94.22	475.88	200	-2.33%	1.32%	54.9138	0.9105	
		607+00.00	475.75						
		607+50.00	474.87						
	PVI	607+94.22	473.55						
		608+00.00	474.44						
	VLOW	608+21.89	474.40						
		608+50.00	474.47						
	PVT	608+94.22	474.87						
Linear	PVT	608+94.22	474.87	208.1199	1.32%				
		609+00.00	474.95						
		609+50.00	475.61						
		610+00.00	476.27						
		610+50.00	476.92						
		611+00.00	477.58						
	PVC	611+02.34	477.61						
Symmetrical Paraboloa	PVC	611+02.34	477.61	200	1.32%	-2.81%	48.4477	-1.032	361.4117
		611+50.00	478.01						
	VHIGH	611+66.16	478.03						
		612+00.00	477.92						
	PVI	612+02.34	478.93						
		612+50.00	477.31						
		613+00.00	476.19						
	PVT	613+02.34	476.12						
Linear	PVT	613+02.34	476.12	243.055	-2.81%				
		613+50.00	474.78						
		614+00.00	473.37						
		614+50.00	471.97						
		615+00.00	470.56						
	PVC	615+45.40	469.29						

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VERTICAL ALIGNMENT TABLE SHEET #2

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258vats02.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 129 OF 387

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Paraboloa	PVC	615+45.40	469.29	630	-2.81%	1.14%	159.385	3.1127	
		615+50.00	469.16						
		616+00.00	467.85						
		616+50.00	466.69						
		617+00.00	465.69						
		617+50.00	464.85						
		618+00.00	464.16						
		618+50.00	463.64						
	PVI	618+60.40	460.43						
		619+00.00	463.26						
		619+50.00	463.05						
	VLOW	619+93.43	462.99						
		620+00.00	462.99						
		620+50.00	463.09						
		621+00.00	463.35						
		621+50.00	463.76						
	PVT	621+75.40	464.03						
Linear	PVT	621+75.40	464.03	248.5963	1.14%				
		622+00.00	464.31						
		622+50.00	464.88						
		623+00.00	465.45						
		623+50.00	466.02						
		624+00.00	466.59						
	PVC	624+24.00	466.87						
Symmetrical Paraboloa	PVC	624+24.00	466.87	170	1.14%	-6.32%	22.7948	-1.5848	229.6999
		624+50.00	467.02						
	VHIGH	624+50.02	467.02						
		625+00.00	466.47						
	PVI	625+09.00	467.84						
		625+50.00	464.82						
	PVT	625+94.00	462.47						
Linear	PVT	625+94.00	462.47	8.9103	-6.32%				
		626+00.00	462.09						
	PVC	626+02.91	461.91						
Symmetrical Paraboloa	PVC	626+02.91	461.91	220	-6.32%	0.93%	30.3483	1.9935	
		626+50.00	459.30						
		627+00.00	457.33						
	PVI	627+12.91	454.96						
		627+50.00	456.18						
	VLOW	627+94.59	455.85						
		628+00.00	455.86						
	PVT	628+22.91	455.99						
Linear	PVT	628+22.91	455.99	191.9564	0.93%				
		628+50.00	456.24						
		629+00.00	456.70						
		629+50.00	457.17						
		630+00.00	457.64						
	PVC	630+14.86	457.78						
Symmetrical Paraboloa	PVC	630+14.86	457.78	200	0.93%	-1.56%	80.1759	-0.6236	532.6091
		630+50.00	458.03						
	VHIGH	630+89.67	458.13						
		631+00.00	458.12						
	PVI	631+14.86	458.71						
		631+50.00	457.90						
		632+00.00	457.37						
	PVT	632+14.86	457.15						
Linear	PVT	632+14.86	457.15	22.5848	-1.56%				
	PVC	632+37.45	456.80						
Symmetrical Paraboloa	PVC	632+37.45	456.80	300	-1.56%	1.38%	102.057	1.1023	
		632+50.00	456.61						
		633+00.00	456.01						
		633+50.00	455.66						
	PVI	633+87.45	454.45						
	VLOW	633+96.81	455.55						
		634+00.00	455.55						
		634+50.00	455.69						
		635+00.00	456.07						
	PVT	635+37.45	456.52						
Linear	PVT	635+37.45	456.52	87.5485	1.38%				
		635+50.00	456.69						
		636+00.00	457.38						
	PVC	636+25.00	457.73						
Symmetrical Paraboloa	PVC	636+25.00	457.73	100	1.38%	0.68%	143.08	-0.0874	
		636+50.00	458.05						
	PVI	636+75.00	458.42						
		637+00.00	458.56						
	PVT	637+25.00	458.76						
Linear	PVT	637+25.00	458.76	37.3202	0.68%				
		637+50.00	458.92						
	PVC	637+62.32	459.01						
Symmetrical Paraboloa	PVC	637+62.32	459.01	80	0.68%	1.91%	65.0331	0.123	
		638+00.00	459.37						
	PVI	638+02.32	459.28						
	PVT	638+42.32	460.04						
Linear	PVT	638+42.32	460.04	35.3111	1.91%				
		638+50.00	460.19						
	PVC	638+77.63	460.72						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Paraboloa	PVC	638+77.63	460.72	100	1.91%	1.38%	187.77	-0.0666	
		639+00.00	461.13						
	PVI	639+27.63	461.67						
		639+50.00	461.96						
	PVT	639+77.63	462.36						
Linear	PVT	639+77.63	462.36	153.2636	1.38%				
		640+00.00	462.67						
		640+50.00	463.36						
		641+00.00	464.05						
	PVC	641+30.89	464.47						
Symmetrical Paraboloa	PVC	641+30.89	464.47	150	1.38%	-3.71%	29.4642	-0.9545	286.975
		641+50.00	464.67						
	VHIGH	641+71.45	464.75						
		642+00.00	464.61						
	PVI	642+05.89	465.50						
		642+50.00	463.70						
	PVT	642+80.89	462.72						
Linear	PVT	642+80.89	462.72	96.8767	-3.71%				
		643+00.00	462.01						
		643+50.00	460.15						
	PVC	643+77.77	459.12						
Symmetrical Paraboloa	PVC	643+77.77	459.12	430	-3.71%	4.13%	54.8439	4.2142	
		644+00.00	458.34						
		644+50.00	456.91						
		645+00.00	455.94						
		645+50.00	455.43						
	VLOW	645+81.47	455.34						
	PVI	645+92.77	451.13						
		646+00.00	455.37						
		646+50.00	455.77						
		647+00.00	456.62						
		647+50.00	457.93						
		648+00.00	459.69						
	PVT	648+07.77	460.01						
Linear	PVT	648+07.77	460.01	128.2438	4.13%				
		648+50.00	461.75						
		649+00.00	463.81						
	PVC	649+36.01	465.30						
Symmetrical Paraboloa	PVC	649+36.01	465.30	200	4.13%	5.85%	116.244	0.4301	
		649+50.00	465.88						
		650+00.00	468.11						
	PVI	650+36.01	469.42						
		650+50.00	470.56						
		651+00.00	473.22						
	PVT	651+36.01	475.27						
Linear	PVT	651+36.01	475.27	10.7168	5.85%				
	PVC	651+46.73	475.90						
Symmetrical Paraboloa	PVC	651+46.73	475.90	150	5.85%	-3.21%	16.5627	-1.6981	194.1576
		651+50.00	476.08						
		652+00.00	478.15						
	PVI	652+21.73	480.28						
	VHIGH	652+43.57	478.73						
		652+50.00	478.72						
	PVT	652+96.73	477.87						
Linear	PVT	652+96.73	477.87	513.044	-3.21%				
		653+00.00	477.77						
		653+50.00	476.16						
		654+00.00	474.56						
		654+50.00	472.95						
		655+00.00	471.35						
		655+50.00	469.75						
		656+00.00	468.14						
		656+50.00	466.54						
		657+00.00	464.93						
		657+50.00	463.33						
		658+00.00	461.72						
	PVC	658+09.77	461.41						
Symmetrical Paraboloa	PVC	658+09.77	461.41	220	-3.21%	-0.74%	88.9046	0.6805	
		658+50.00	460.21						
		659+00.00	458.97						
	PVI	659+19.77	457.88						
		659+50.00	458.01						
		660+00.00	457.34						
	PVT	660+29.77	457.07						
Linear	PVT	660+29.77	457.07	191.999	-0.74%				
		660+50.00	456.92						
		661+00.00	456.55						
		661+50.00	456.18						
		662+00.00	455.82						
	PVC	662+21.77	455.66						
Symmetrical Paraboloa	PVC	662+21.77	455.66	100	-0.74%	0.42%	86.3178	0.1448	
		662+50.00	455.49						
	PVI	662+71.77	455.29						
	VLOW	662+85.23	455.42						
		663+00.00	455.44						
	PVT	663+21.77	455.50						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	663+21.77	455.50	14.531	0.42%				
	PVC	663+36.30	455.56						
Symmetrical Paraboloa	PVC	663+36.30	455.56	80	0.42%	-0.88%	61.5846	-0.1299	870.7377
		663+50.00	455.60						
	VHIGH	663+62.37	455.62						
	PVI	663+76.30	455.73						
		664+00.00	455.50						
	PVT	664+16.30	455.38						
Linear	PVT	664+16.30	455.38	136.6521	-0.88%				
		664+50.00	455.09						
		665+00.00	454.65						
		665+50.00	454.21						
	PVC	665+52.95	454.18						
Symmetrical Paraboloa	PVC	665+52.95	454.18	220	-0.88%	1.58%	89.7139	0.6744	
		666+00.00	453.90						
	VLOW	666+31.52	453.84						
		666+50.00	453.86						
	PVI	666+62.95	453.22						
		667+00.00	454.10						
		667+50.00	454.62						
	PVT	667+72.95	454.95						
Linear	PVT	667+72.95	454.95	226.2836	1.58%				
		668+00.00	455.38						
		668+50.00	456.17						
		669+00.00	456.96						
		669+50.00	457.75						
	PVC	669+99.24	458.52						
Symmetrical Paraboloa	PVC	669+99.24	458.52	150	1.58%	-3.27%	30.969	-0.9082	297.8012
		670+00.00	458.53						
	VHIGH	670+48.06	458.91						
		670+50.00	458.91						
	PVI	670+74.24	459.70						
		671+00.00	458.47						
	PVT	671+49.24	457.25						
Linear	PVT	671+49.24	457.25	150.7387	-3.27%				
		671+50.00	457.23						
		672+00.00	455.60						
		672+50.00	453.96						
	PVC	672+99.98	452.33						
Symmetrical Paraboloa	PVC	672+99.98	452.33	150	-3.27%	-1.46%	82.8347	0.3395	
		673+00.00	452.33						
		673+50.00	450.85						
	PVI	673+74.98	449.88						
		674+00.00	449.67						
	PVT	674+49.98	448.79						
Linear	PVT	674+49.98	448.79	241.5773	-1.46%				
		674+50.00	448.79						
		675+00.00	448.06						
		675+50.00	447.33						
		676+00.00	446.60						
		676+50.00	445.87						
	PVC	676+91.55	445.27						
Symmetrical Paraboloa	PVC	676+91.55	445.27	320	-1.46%	6.03%	42.7746	2.9924	
		677+00.00	445.15						
		677+50.00	444.82						
	VLOW	677+53.84	444.82						
		678+00.00	445.06						
		678+50.00	445.90						
	PVI	678+51.55	442.94						
		679+00.00	447.31						
		679+50.00	449.31						
		680+00.00	451.90						
	PVT	680+11.55	452.58						
Linear	PVT	680+11.55	452.58	43.5877	6.03%				
		680+50.00	454.90						
	PVC	680+55.14	455.21						
Symmetrical Paraboloa	PVC	680+55.14	455.21	200	6.03%	-1.64%	26.0968	-1.9159	240.8118
		681+00.00	457.52						
		681+50.00	459.20						
	PVI	681+55.14	461.23						
		682+00.00	459.91						
	VHIGH	682+12.37	459.94						
		682+50.00	459.67						
	PVT	682+55.14	459.59						
Linear	PVT	682+55.14	459.59	115.8258	-1.64%				
		683+00.00	458.86						
		683+50.00	458.04						
	PVC	683+70.97	457.69						

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VERTICAL ALIGNMENT TABLE SHEET #3

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258vats03.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 130 OF 387

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Paraboloa	PVC	683+70.97	457.69	100	-1.64%	-4.94%	30.2809	-0.4128	
		684+00.00	457.08						
	PVI	684+20.97	456.87						
		684+50.00	455.37						
	PVT	684+70.97	454.40						
Linear	PVT	684+70.97	454.40	112.2685	-4.94%				
		685+00.00	452.97						
		685+50.00	450.50						
	PVC	685+83.24	448.86						
Symmetrical Paraboloa	PVC	685+83.24	448.86	350	-4.94%	2.86%	44.8785	3.412	
		686+00.00	448.06						
		686+50.00	446.05						
		687+00.00	444.60						
		687+50.00	443.71						
	PVI	687+58.24	440.21						
		688+00.00	443.38						
	VLOW	688+04.99	443.38						
		688+50.00	443.60						
		689+00.00	444.38						
	PVT	689+33.24	445.21						
Linear	PVT	689+33.24	445.21	65.6625	2.86%				
		689+50.00	445.69						
	PVC	689+98.90	447.09						
Symmetrical Paraboloa	PVC	689+98.90	447.09	120	2.86%	-2.38%	22.9226	-0.7853	266.1412
		690+00.00	447.12						
		690+50.00	447.98						
	PVI	690+58.90	448.80						
	VHIGH	690+64.40	448.02						
		691+00.00	447.74						
	PVT	691+18.90	447.37						
Linear	PVT	691+18.90	447.37	83.3698	-2.38%				
		691+50.00	446.63						
		692+00.00	445.45						
	PVC	692+02.27	445.39						
Symmetrical Paraboloa	PVC	692+02.27	445.39	200	-2.38%	-0.62%	113.647	0.44	
		692+50.00	444.36						
		693+00.00	443.49						
	PVI	693+02.27	443.01						
		693+50.00	442.84						
EQNBK		693+82.00	442.54						
EQNAHD		0+00.00	442.54						
Linear	PVT	0+20.27	442.40	118.693	-0.62%				
		0+50.00	442.21						
		1+00.00	441.90						
	PVC	1+38.96	441.66						
Symmetrical Paraboloa	PVC	1+38.96	441.66	200	-0.62%	0.09%	282.651	0.1769	
		1+50.00	441.60						
		2+00.00	441.35						
	PVI	2+38.96	441.05						
		2+50.00	441.20						
		3+00.00	441.13						
	VLOW	3+13.54	441.12						
	PVT	3+38.96	441.14						
Linear	PVT	3+38.96	441.14	10.6854	0.09%				
	PVT	3+38.96	441.14						
Symmetrical Paraboloa	PVC	3+49.64	441.15	430	0.09%	-1.60%	255.168	-0.9058	855.3821
	PVC	3+49.64	441.15						
		3+50.00	441.15						
	VHIGH	3+72.60	441.16						
		4+00.00	441.14						
		4+50.00	441.04						
		5+00.00	440.84						
		5+50.00	440.54						
	PVI	5+64.64	441.34						
		6+00.00	440.14						
		6+50.00	439.65						
		7+00.00	439.05						
		7+50.00	438.36						
	PVT	7+79.64	437.91						
Linear	PVT	7+79.64	437.91	56.8121	-1.60%				
		8+00.00	437.58						
	PVC	8+36.46	437.00						
Symmetrical Paraboloa	PVC	8+36.46	437.00	383.000	-1.60%	-0.22%	277.815	0.6600	
		8+50.00	436.79						
		9+00.00	436.06						
		9+50.00	435.42						
		10+00.00	434.87						
	PVI	10+27.96	433.95						
		10+50.00	434.42						
		11+00.00	434.05						
		11+50.00	433.77						
		12+00.00	433.58						
	PVT	12+19.46	433.53						
Linear	PVT	12+19.46	433.53	178.0628	-0.22%				
		12+50.00	433.47						
		13+00.00	433.36						
		13+50.00	433.25						
	PVC	13+97.52	433.15						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Paraboloa	PVC	13+97.52	433.15	200	-0.22%	-0.66%	456.596	-0.1095	
		14+00.00	433.14						
		14+50.00	433.00						
	PVI	14+97.52	432.93						
		15+00.00	432.81						
		15+50.00	432.56						
	PVT	15+97.52	432.28						
Linear	PVT	15+97.52	432.28	14.1934	-0.66%				
		16+00.00	432.26						
	PVC	16+11.71	432.18						
Symmetrical Paraboloa	PVC	16+11.71	432.18	250	-0.66%	0.41%	234.167	0.3336	
		16+50.00	431.96						
		17+00.00	431.77						
	PVI	17+36.71	431.36						
		17+50.00	431.69						
	VLOW	17+65.01	431.68						
		18+00.00	431.71						
		18+50.00	431.84						
	PVT	18+61.71	431.88						
Linear	PVT	18+61.71	431.88	7.3873	0.41%				
	PVC	18+69.10	431.91						
Symmetrical Paraboloa	PVC	18+69.10	431.91	260	0.41%	-0.04%	580.375	-0.1456	2538.892
		19+00.00	432.03						
		19+50.00	432.19						
	PVI	19+99.10	432.45						
		20+00.00	432.30						
		20+50.00	432.38						
		21+00.00	432.41						
	VHIGH	21+08.79	432.41						
	PVT	21+29.10	432.40						
Linear	PVT	21+29.10	432.40	193.5232	-0.04%				
		21+50.00	432.40						
		22+00.00	432.38						
		22+50.00	432.36						
		23+00.00	432.34						
	PVI	23+22.62	432.34						
Linear	PVI	23+22.62	432.34	286.4615	-0.10%				
		23+50.00	432.31						
		24+00.00	432.26						
		24+50.00	432.21						
		25+00.00	432.15						
		25+50.00	432.10						
		26+00.00	432.05						
	PVC	26+09.08	432.04						
Symmetrical Paraboloa	PVC	26+09.08	432.04	100	-0.10%	0.60%	143.597	0.087	
	VLOW	26+23.70	432.04						
		26+50.00	432.06						
	PVI	26+59.08	431.99						
		27+00.00	432.24						
	PVT	27+09.08	432.29						
Linear	PVT	27+09.08	432.29	30.0444	0.60%				
	PVC	27+39.13	432.47						
Symmetrical Paraboloa	PVC	27+39.13	432.47	100	0.60%	-0.74%	75.0565	-0.1665	859.9728
		27+50.00	432.53						
	VHIGH	27+83.76	432.60						
	PVI	27+89.13	432.77						
		28+00.00	432.58						
	PVT	28+39.13	432.40						
Linear	PVT	28+39.13	432.40	10.8649	-0.74%				
	PVC	28+49.99	432.32						
Symmetrical Paraboloa	PVC	28+49.99	432.32	100	-0.74%	-0.14%	166.518	0.0751	
		28+50.00	432.32						
	PVI	28+99.99	431.95						
		29+00.00	432.02						
	PVT	29+49.99	431.88						
Linear	PVT	29+49.99	431.88	91.3421	-0.14%				
		29+50.00	431.88						
		30+00.00	431.81						
	PVC	30+41.34	431.75						
Symmetrical Paraboloa	PVC	30+41.34	431.75	250	-0.14%	0.07%	1185.2	0.0659	
		30+50.00	431.74						
		31+00.00	431.69						
		31+50.00	431.65						
	PVI	31+66.34	431.58						
		32+00.00	431.64						
	VLOW	32+03.91	431.64						
		32+50.00	431.65						
	PVT	32+91.34	431.67						
Linear	PVT	32+91.34	431.67	273.0623	0.07%				
		33+00.00	431.68						
		33+50.00	431.72						
		34+00.00	431.76						
		34+50.00	431.79						
		35+00.00	431.83						
		35+50.00	431.87						
	PVC	35+64.40	431.88						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Paraboloa	PVC	35+64.40	431.88	100	0.07%	-0.05%	818.246	-0.0153	8880.102
		36+00.00	431.89						
	PVI	36+14.40	431.91						
	VHIGH	36+24.75	431.90						
		36+50.00	431.89						
	PVT	36+64.40	431.89						
Linear	PVT	36+64.40	431.89	124.8769	-0.05%				
		37+00.00	431.87						
		37+50.00	431.85						
	PVC	37+89.28	431.83						
Symmetrical Paraboloa	PVC	37+89.28	431.83	100	-0.05%	1.36%	70.9442	0.1762	
	VLOW	37+92.71	431.83						
		38+00.00	431.83						
	PVI	38+39.28	431.80						
		38+50.00	432.06						
	PVT	38+89.28	432.48						
Linear	PVT	38+89.28	432.48	8.4082	1.36%				
	PVC	38+97.68	432.60						
Symmetrical Paraboloa	PVC	38+97.68	432.60	100	1.36%	0.83%	186.847	-0.0669	
		39+00.00	432.63						
	PVI	39+47.68	433.28						
		39+50.00	433.24						
	PVT	39+97.68	433.69						
Linear	PVT	39+97.68	433.69	72.7921	0.83%				
		40+00.00	433.71						
		40+50.00	434.12						
	PVC	40+70.48	434.29						
Symmetrical Paraboloa	PVC	40+70.48	434.29	300	0.83%	3.17%	128.05	0.8786	
		41+00.00	434.57						
		41+50.00	435.20						
		42+00.00	436.02						
	PVI	42+20.48	435.53						
		42+50.00	437.04						
		43+00.00	438.25						
		43+50.00	439.65						
	PVT	43+70.48	440.29						
Linear	PVT	43+70.48	440.29	99.7034	3.17%				
		44+00.00	441.22						
		44+50.00	442.81						
	PVC	44+70.18	443.45						
Symmetrical Paraboloa	PVC	44+70.18	443.45	350	3.17%	-0.30%	100.901	-1.5176	486.107
		45+00.00	444.35						
		45+50.00	445.66						
		46+00.00	446.72						
	PVI	46+45.18	448.99						
		46+50.00	447.54						
		47+00.00	448.11						
		47+50.00	448.43						
	VHIGH	47+89.91	448.51						
		48+00.00	448.51						
	PVT	48+20.18	448.47						
Linear	PVT	48+20.18	448.47	352.9942	-0.30%				
		48+50.00	448.38						
		49+00.00	448.23						
		49+50.00	448.08						
		50+00.00	447.93						
		50+50.00	447.78						
		51+00.00	447.63						
		51+50.00	447.48						
	PVC	51+73.17	447.41						
Symmetrical Paraboloa	PVC	51+73.17	447.41	250	-0.30%	-2.60%	108.696	-0.7188	
		52+00.00	447.29						
		52+50.00	446.90						
	PVI	52+98.17	447.03						
		53+00.00	446.29						
		53+50.00	445.44						
		54+00.00	444.36						
	PVT	54+23.17	443.78						
Linear	PVT	54+23.17	443.78	243.6116	-2.60%				
		54+50.00	443.08						
		55+00.00	441.78						
		55+50.00	440.48						
		56+00.00	439.18						
		56+50.00	437.88						
	PVC	56+66.78	437.45						

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VERTICAL ALIGNMENT TABLE SHEET #4

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258vats04.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 131 OF 387

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Paraboloa	PVC	56+66.78	437.45	550	-2.60%	0.08%	205.027	1.8443	
		57+00.00	436.61						
		57+50.00	435.45						
		58+00.00	434.42						
		58+50.00	433.50						
		59+00.00	432.71						
	PVI	59+41.78	430.30						
		59+50.00	432.04						
		60+00.00	431.49						
		60+50.00	431.07						
		61+00.00	430.76						
		61+50.00	430.58						
	VLOW	61+99.86	430.52						
		62+00.00	430.52						
	PVT	62+16.78	430.52						
Linear	PVT	62+16.78	430.52	762.145	0.08%				
		62+50.00	430.55						
		63+00.00	430.59						
		63+50.00	430.63						
		64+00.00	430.68						
		64+50.00	430.72						
		65+00.00	430.76						
		65+50.00	430.80						
		66+00.00	430.84						
		66+50.00	430.88						
		67+00.00	430.92						
		67+50.00	430.96						
		68+00.00	431.01						
		68+50.00	431.05						
		69+00.00	431.09						
		69+50.00	431.13						
	PVC	69+78.93	431.15						
Symmetrical Paraboloa	PVC	69+78.93	431.15	300	0.08%	2.56%	121.093	0.929	
		70+00.00	431.19						
		70+50.00	431.42						
		71+00.00	431.86						
	PVI	71+28.93	431.28						
		71+50.00	432.50						
		72+00.00	433.35						
		72+50.00	434.41						
	PVT	72+78.93	435.12						
Linear	PVT	72+78.93	435.12	65.9034	2.56%				
		73+00.00	435.66						
	PVC	73+44.83	436.81						
Symmetrical Paraboloa	PVC	73+44.83	436.81	450	2.56%	-2.41%	90.5381	-2.7958	442.0502
		73+50.00	436.94						
		74+00.00	438.05						
		74+50.00	438.89						
		75+00.00	439.45						
		75+50.00	439.73						
	PVI	75+69.83	442.57						
	VHIGH	75+76.61	439.77						
		76+00.00	439.74						
		76+50.00	439.47						
		77+00.00	438.93						
		77+50.00	438.11						
	PVT	77+94.83	437.14						
Linear	PVT	77+94.83	437.14	92.2141	-2.41%				
		78+00.00	437.02						
		78+50.00	435.81						
	PVC	78+87.05	434.92						
Symmetrical Paraboloa	PVC	78+87.05	434.92	1050	-2.41%	1.37%	277.724	4.9622	
		79+00.00	434.61						
		79+50.00	433.47						
		80+00.00	432.43						
		80+50.00	431.47						
		81+00.00	430.60						
		81+50.00	429.83						
		82+00.00	429.14						
		82+50.00	428.54						
		83+00.00	428.04						
		83+50.00	427.62						
		84+00.00	427.29						
	PVI	84+12.05	422.27						
		84+50.00	427.06						
		85+00.00	426.91						
		85+50.00	426.85						
	VLOW	85+56.44	426.85						
		86+00.00	426.89						
		86+50.00	427.01						
		87+00.00	427.22						
		87+50.00	427.53						
		88+00.00	427.92						
		88+50.00	428.40						
		89+00.00	428.98						
	PVT	89+37.05	429.46						
Linear	PVT	89+37.05	429.46	9.1155	1.37%				
	PVC	89+46.16	429.59						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Paraboloa	PVC	89+46.16	429.59	280	1.37%	-0.59%	142.872	-0.6859	690.6441
		89+50.00	429.64						
		90+00.00	430.22						
		90+50.00	430.63						
	PVI	90+86.16	431.50						
		91+00.00	430.87						
	VHIGH	91+41.96	430.93						
		91+50.00	430.92						
		92+00.00	430.81						
	PVT	92+26.16	430.68						
Linear	PVT	92+26.16	430.68	85.5485	-0.59%				
		92+50.00	430.54						
		93+00.00	430.24						
	PVC	93+11.71	430.17						
Symmetrical Paraboloa	PVC	93+11.71	430.17	200	-0.59%	-0.02%	351.28	0.1423	
		93+50.00	429.97						
		94+00.00	429.77						
	PVI	94+11.71	429.59						
		94+50.00	429.63						
		95+00.00	429.57						
	PVT	95+11.71	429.57						
Linear	PVT	95+11.71	429.57	95.7068	-0.02%				
		95+50.00	429.56						
		96+00.00	429.55						
	PVC	96+07.42	429.55						
Symmetrical Paraboloa	PVC	96+07.42	429.55	400	-0.02%	6.38%	62.4626	3.2019	
	VLOW	96+08.67	429.55						
		96+50.00	429.68						
		97+00.00	430.21						
		97+50.00	431.14						
		98+00.00	432.48						
	PVI	98+07.42	429.51						
		98+50.00	434.21						
		99+00.00	436.34						
		99+50.00	438.87						
	PVT	100+07.42	442.27						
Linear	PVT	100+07.42	442.27	88.2937	6.38%				
		100+50.00	444.99						
	PVC	100+95.71	447.91						
Symmetrical Paraboloa	PVC	100+95.71	447.91	625	6.38%	-4.07%	59.7661	-8.1699	359.1563
		101+00.00	448.18						
		101+50.00	451.13						
		102+00.00	453.66						
		102+50.00	455.77						
		103+00.00	457.46						
		103+50.00	458.73						
		104+00.00	459.59						
	PVI	104+08.21	467.86						
		104+50.00	460.03						
	VHIGH	104+77.25	460.09						
		105+00.00	460.05						
		105+50.00	459.65						
		106+00.00	458.83						
		106+50.00	457.59						
		107+00.00	455.94						
	PVT	107+20.71	455.13						
Linear	PVT	107+20.71	455.13	87.4807	-4.07%				
		107+50.00	453.94						
		108+00.00	451.90						
	PVC	108+08.19	451.57						
Symmetrical Paraboloa	PVC	108+08.19	451.57	580	-4.07%	3.65%	75.0945	5.5996	
		108+50.00	449.98						
		109+00.00	448.39						
		109+50.00	447.13						
		110+00.00	446.20						
		110+50.00	445.61						
	PVI	110+98.19	439.75						
		111+00.00	445.35						
	VLOW	111+14.10	445.34						
		111+50.00	445.42						
		112+00.00	445.83						
		112+50.00	446.57						
		113+00.00	447.64						
		113+50.00	449.04						
	PVT	113+88.19	450.34						
Linear	PVT	113+88.19	450.34	128.6723	3.65%				
		114+00.00	450.77						
		114+50.00	452.59						
		115+00.00	454.42						
	PVC	115+16.86	455.03						
Symmetrical Paraboloa	PVC	115+16.86	455.03	225	3.65%	1.71%	115.901	-0.546	
		115+50.00	456.20						
		116+00.00	457.77						
	PVI	116+29.36	459.14						
		116+50.00	459.13						
		117+00.00	460.27						
	PVT	117+41.86	461.06						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HS
Linear	PVT	117+41.86	461.06	272.28	1.71%				
		117+50.00	461.20						
		118+00.00	462.06						
		118+50.00	462.91						
		119+00.00	463.76						
		119+50.00	464.62						
		120+00.00	465.47						
	PVC	120+14.14	465.71						
Symmetrical Paraboloa	PVC	120+14.14	465.71	440	1.71%	6.05%	101.399	2.3866	
		120+50.00	466.39						
		121+00.00	467.55						
		121+50.00	468.95						
		122+00.00	470.59						
	PVI	122+34.14	469.47						
		122+50.00	472.49						
EQNBK		123+00.00	474.63						
		123+11.16							
EQNAHD		0+00.00							
		0+00.00	475.14						
		0+50.00	477.58						
		1+00.00	480.27						
	PVT	1+42.98	482.78						
Linear	PVT	1+42.98	482.78	70.1597	6.05%				
		1+50.00	483.20						
		2+00.00	486.23						
	PVC	2+13.14	487.02						
Symmetrical Paraboloa	PVC	2+13.14	487.02	570	6.05%	-3.94%	57.0686	-7.1164	350.95
		2+50.00	489.13						
		3+00.00	491.61						
		3+50.00	493.66						
		4+00.00	495.26						
		4+50.00	496.43						
	PVI	4+98.14	504.26						
		5+00.00	497.16						
		5+50.00	497.45						
	VHIGH	5+58.29	497.46						
		6+00.00	497.31						
		6+50.00	496.72						
		7+00.00	495.70						
		7+50.00	494.24						
	PVT	7+83.14	493.03						
Linear	PVT	7+83.14	493.03	141.8749	-3.94%				
		8+00.00	492.37						
		8+50.00	490.40						
		9+00.00	488.43						
	PVC	9+25.02	487.44						
Symmetrical Paraboloa	PVC	9+25.02	487.44	670	-3.94%	7.25%	59.8749	9.3716	
		9+50.00	486.51						
		10+00.00	484.96						
		10+50.00	483.82						
		11+00.00	483.10						
		11+50.00	482.80						
	VLOW	11+60.93	482.79						
		12+00.00	482.92						
		12+50.00	483.46						
	PVI	12+60.02	474.24						
		13+00.00	484.41						
		13+50.00	485.78						
		14+00.00	487.57						
		14+50.00	489.77						
		15+00.00	492.39						
		15+50.00	495.43						
	PVT	15+95.02	498.53						
Linear	PVT	15+95.02	498.53	94.9806	7.25%				
		16+00.00	498.89						
		16+50.00	502.52						
	PVC	16+90.00	505.42						
Symmetrical Paraboloa	PVC	16+90.00	505.42	500	7.25%	2.90%	114.905	-2.7196	
		17+00.00	506.14						
		17+50.00	509.61						
		18+00.00	512.86						
		18+50.00	515.90						
		19+00.00	518.72						
	PVI	19+40.00	523.54						
		19+50.00	521.32						
		20+00.00	523.71						
		20+50.00	525.88						
		21+00.00	527.83						
		21+50.00	529.56						
	PVT	21+90.00	530.79						

Stantec

VERTICAL ALIGNMENT TABLE SHEET #5

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258vats05.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 132 OF 387

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	21+90.00	530.79	95.7467	2.90%				
		22+00.00	531.08						
		22+50.00	532.53						
	PVC	22+85.75	533.56						
Symmetrical Paraboloa	PVC	22+85.75	533.56	300	2.90%	1.11%	167.548	-0.6715	
		23+00.00	533.97						
		23+50.00	535.30						
		24+00.00	536.48						
	PVI	24+35.75	537.91						
		24+50.00	537.52						
		25+00.00	538.40						
		25+50.00	539.14						
	PVT	25+85.75	539.57						
Linear	PVT	25+85.75	539.57	480.3145	1.11%				
		26+00.00	539.73						
		26+50.00	540.28						
		27+00.00	540.84						
		27+50.00	541.39						
		28+00.00	541.95						
		28+50.00	542.50						
		29+00.00	543.05						
		29+50.00	543.61						
		30+00.00	544.16						
		30+50.00	544.72						
	PVC	30+66.06	544.89						
Symmetrical Paraboloa	PVC	30+66.06	544.89	420	1.11%	-2.21%	126.695	-1.7404	535.531
		31+00.00	545.22						
		31+50.00	545.55						
		32+00.00	545.67						
	VHIGH	32+06.45	545.67						
		32+50.00	545.60						
	PVI	32+76.06	547.22						
		33+00.00	545.33						
		33+50.00	544.86						
		34+00.00	544.19						
		34+50.00	543.33						
	PVT	34+86.06	542.59						
Linear	PVT	34+86.06	542.59	185.4243	-2.21%				
		35+00.00	542.28						
		35+50.00	541.18						
		36+00.00	540.07						
		36+50.00	538.97						
	PVC	36+71.49	538.49						
Symmetrical Paraboloa	PVC	36+71.49	538.49	455	-2.21%	4.90%	64.0214	4.0421	
		37+00.00	537.93						
		37+50.00	537.24						
		38+00.00	536.95						
	VLOW	38+12.78	536.93						
		38+50.00	537.04						
	PVI	38+98.99	533.47						
		39+00.00	537.53						
		39+50.00	538.41						
		40+00.00	539.67						
		40+50.00	541.33						
		41+00.00	543.38						
	PVT	41+26.49	544.62						
Linear	PVT	41+26.49	544.62	373.3321	4.90%				
		41+50.00	545.77						
		42+00.00	548.22						
		42+50.00	550.67						
		43+00.00	553.12						
		43+50.00	555.57						
		44+00.00	558.02						
		44+50.00	560.47						
	PVC	44+99.82	562.91						
Symmetrical Paraboloa	PVC	44+99.82	562.91	510	4.90%	-4.55%	53.9845	-6.0226	341.3426
		45+00.00	562.92						
		45+50.00	565.14						
		46+00.00	566.89						
		46+50.00	568.18						
		47+00.00	569.01						
		47+50.00	569.38						
	PVI	47+54.82	575.41						
	VHIGH	47+64.34	569.39						
		48+00.00	569.28						
		48+50.00	568.72						
		49+00.00	567.69						
		49+50.00	566.20						
		50+00.00	564.25						
	PVT	50+09.82	563.81						
Linear	PVT	50+09.82	563.81	158.0142	-4.55%				
		50+50.00	561.99						
		51+00.00	559.71						
		51+50.00	557.44						
	PVC	51+67.83	556.63						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Paraboloa	PVC	51+67.83	556.63	460	-4.55%	3.92%	54.321	4.8692	
		52+00.00	555.26						
		52+50.00	553.51						
		53+00.00	552.23						
		53+50.00	551.40						
	PVI	53+97.83	546.17						
		54+00.00	551.03						
	VLOW	54+14.84	551.01						
		54+50.00	551.13						
		55+00.00	551.68						
		55+50.00	552.69						
		56+00.00	554.17						
	PVT	56+27.83	555.19						
Linear	PVT	56+27.83	555.19	24.7736	3.92%				
		56+50.00	556.06						
	PVC	56+52.61	556.16						
Symmetrical Paraboloa	PVC	56+52.61	556.16	550	3.92%	0.81%	176.791	-2.1388	
		57+00.00	557.95						
		57+50.00	559.71						
		58+00.00	561.32						
		58+50.00	562.80						
		59+00.00	564.13						
	PVI	59+27.61	566.94						
		59+50.00	565.32						
		60+00.00	566.37						
		60+50.00	567.28						
		61+00.00	568.04						
		61+50.00	568.67						
		62+00.00	569.15						
	PVT	62+02.61	569.17						
Linear	PVT	62+02.61	569.17	182.3886	0.81%				
		62+50.00	569.55						
		63+00.00	569.96						
		63+50.00	570.36						
	PVC	63+84.99	570.65						
Symmetrical Paraboloa	PVC	63+84.99	570.65	290	0.81%	2.89%	139.43	0.754	
		64+00.00	570.78						
		64+50.00	571.33						
		65+00.00	572.05						
	PVI	65+29.99	571.82						
		65+50.00	572.96						
		66+00.00	574.05						
		66+50.00	575.31						
	PVRC	66+74.99	576.01						
Symmetrical Paraboloa	PVRC	66+74.99	576.01	100	2.89%	1.87%	97.8029	-0.1278	
		67+00.00	576.70						
	PVI	67+24.99	577.46						
		67+50.00	577.89						
	PVT	67+74.99	578.39						
Linear	PVT	67+74.99	578.39	1.9357	1.87%				
	PVC	67+76.93	578.43						
Symmetrical Paraboloa	PVC	67+76.93	578.43	150	1.87%	2.51%	233.577	0.1204	
		68+00.00	578.87						
		68+50.00	579.91						
	PVI	68+51.93	579.83						
		69+00.00	581.05						
	PVT	69+26.93	581.71						
Linear	PVT	69+26.93	581.71	955.021	2.51%				
		69+50.00	582.29						
		70+00.00	583.54						
		70+50.00	584.80						
		71+00.00	586.05						
		71+50.00	587.31						
		72+00.00	588.56						
		72+50.00	589.82						
		73+00.00	591.07						
		73+50.00	592.33						
		74+00.00	593.58						
		74+50.00	594.84						
		75+00.00	596.09						
		75+50.00	597.35						
		76+00.00	598.60						
		76+50.00	599.86						
		77+00.00	601.11						
		77+50.00	602.37						
		78+00.00	603.62						
		78+50.00	604.88						
	PVC	78+81.95	605.68						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Paraboloa	PVC	78+81.95	605.68	400	2.51%	5.79%	121.853	1.6413	
		79+00.00	606.14						
		79+50.00	607.58						
		80+00.00	609.21						
		80+50.00	611.05						
	PVI	80+81.95	610.70						
		81+00.00	613.10						
		81+50.00	615.35						
		82+00.00	617.81						
		82+50.00	620.47						
	PVT	82+81.95	622.28						
Linear	PVT	82+81.95	622.28	559.4365	5.79%				
		83+00.00	623.33						
		83+50.00	626.22						
		84+00.00	629.12						
		84+50.00	632.01						
		85+00.00	634.91						
		85+50.00	637.81						
		86+00.00	640.70						
		86+50.00	643.60						
		87+00.00	646.50						
		87+50.00	649.39						
		88+00.00	652.29						
	PVC	88+41.39	654.69						
Symmetrical Paraboloa	PVC	88+41.39	654.69	400	5.79%	8.95%	126.673	1.5789	
		88+50.00	655.19						
		89+00.00	658.22						
		89+50.00	661.44						
		90+00.00	664.87						
	PVI	90+41.39	666.27						
		90+50.00	668.49						
		91+00.00	672.30						
		91+50.00	676.32						
		92+00.00	680.53						
	PVT	92+41.39	684.17						
Linear	PVT	92+41.39	684.17	26.6067	8.95%				
		92+50.00	684.94						
	PVC	92+67.99	686.55						
Symmetrical Paraboloa	PVC	92+67.99	686.55	200	8.95%	-9.77%	10.6849	-4.6795	151.8589
		93+00.00	688.94						
		93+50.00	690.74						
	VHIGH	93+63.62	690.83						
	PVI	93+67.99	695.50						
		94+00.00	690.21						
		94+50.00	687.34						
	PVT	94+67.99	685.73						
Linear	PVT	94+67.99	685.73	98.7217	-9.77%				
		95+00.00	682.61						
		95+50.00	677.72						
	PVC	95+66.72	676.09						
Symmetrical Paraboloa	PVC	95+66.72	676.09	300	-9.77%	-1.84%	37.8371	2.9733	
		96+00.00	672.98						
		96+50.00	668.87						
		97+00.00	665.42						
	PVI	97+16.72	661.44						
		97+50.00	662.63						
		98+00.00	660.49						
		98+50.00	659.02						
	PVT	98+66.72	658.68						
Linear	PVT	98+66.72	658.68	389.308	-1.84%				
		99+00.00	658.07						
		99+50.00	657.15						
		100+00.00	656.23						
		100+50.00	655.31						
		101+00.00	654.39						
		101+50.00	653.47						
		102+00.00	652.55						
		102+50.00	651.63						
	PVC	102+56.02	651.52						
Symmetrical Paraboloa	PVC	102+56.02	651.52	120	-1.84%	4.67%	18.4402	0.9761	
	VLOW	102+89.94	651.21						
		103+00.00	651.23						
	PVI	103+16.02	650.41						
		103+50.00	652.18						
	PVT	103+76.02	653.22						
Linear	PVT	103+76.02	653.22	44.0772	4.67%				
		104+00.00	654.33						
	PVC	104+20.10	655.27						

Stantec

VERTICAL ALIGNMENT TABLE SHEET #6

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258vats06.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 133 OF 387

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Symmetrical Paraboloa	PVC	104+20.10	655.27	265	4.67%	6.87%	120.302	0.7297	
		104+50.00	656.71						
		105+00.00	659.27						
		105+50.00	662.04						
	PVI	105+52.60	661.46						
		106+00.00	665.02						
		106+50.00	668.20						
	PVT	106+85.10	670.56						
Linear	PVT	106+85.10	670.56	278.3175	6.87%				
		107+00.00	671.59						
		107+50.00	675.02						
		108+00.00	678.46						
		108+50.00	681.89						
		109+00.00	685.33						
		109+50.00	688.76						
	PVC	109+63.42	689.68						
Symmetrical Paraboloa	PVC	109+63.42	689.68	150	6.87%	5.45%	105.672	-0.2662	
		110+00.00	692.14						
	PVI	110+38.42	694.84						
		110+50.00	685.28						
		111+00.00	698.19						
	PVT	111+13.42	694.84						
Linear	PVT	111+13.42	694.84	165.0258	5.45%				
		111+50.00	700.92						
		112+00.00	703.65						
		112+50.00	706.37						
	PVC	112+78.44	707.92						
Symmetrical Paraboloa	PVC	112+78.44	707.92	160	5.45%	-6.53%	13.3539	-2.3963	170.0678
		113+00.00	708.92						
		113+50.00	709.91						
	VHIGH	113+51.24	709.91						
	PVI	113+58.44	712.28						
		114+00.00	709.02						
	PVT	114+38.44	707.06						
Linear	PVT	114+38.44	707.06	141.5498	-6.53%				
		114+50.00	706.31						
		115+00.00	703.04						
		115+50.00	699.78						
	PVC	115+79.99	697.82						
Symmetrical Paraboloa	PVC	115+79.99	697.82	150	-6.53%	-0.64%	25.4482	1.1052	
		116+00.00	696.59						
		116+50.00	694.21						
	PVI	116+54.99	692.92						
		117+00.00	692.81						
	PVT	117+29.99	692.44						
Linear	PVT	117+29.99	692.44	41.7929	-0.64%				
		117+50.00	692.32						
	PVC	117+71.79	692.18						
Symmetrical Paraboloa	PVC	117+71.79	692.18	200	-0.64%	1.78%	82.7103	0.6045	
		118+00.00	692.05						
	VLOW	118+24.37	692.01						
		118+50.00	692.05						
	PVI	118+71.79	691.54						
		119+00.00	692.36						
		119+50.00	692.96						
	PVT	119+71.79	693.32						
Linear	PVT	119+71.79	693.32	43.2071	1.78%				
		120+00.00	693.83						
	PVC	120+14.99	694.09						
Symmetrical Paraboloa	PVC	120+14.99	694.09	180	1.78%	-5.19%	25.8257	-1.5682	244.8325
		120+50.00	694.48						
	VHIGH	120+61.02	694.50						
		121+00.00	694.21						
	PVI	121+04.99	695.70						
		121+50.00	692.97						
	PVT	121+94.99	691.03						
Linear	PVT	121+94.99	691.03	36.9203	-5.19%				
		122+00.00	690.77						
	PVC	122+31.91	689.11						
Symmetrical Paraboloa	PVC	122+31.91	689.11	220	-5.19%	-1.85%	65.992	0.9168	
		122+50.00	688.20						
		123+00.00	685.93						
	PVI	123+41.91	683.41						
		123+50.00	684.04						
		124+00.00	682.53						
		124+50.00	681.40						
	PVT	124+51.91	681.37						
Linear	PVT	124+51.91	681.37	128.0425	-1.85%				
		125+00.00	680.48						
		125+50.00	679.55						
	PVC	125+79.96	678.99						
Symmetrical Paraboloa	PVC	125+79.96	678.99	230	-1.85%	-11.89%	22.9278	-2.8841	
		126+00.00	678.54						
		126+50.00	676.63						
	PVI	126+94.96	676.86						
		127+00.00	673.63						
		127+50.00	669.54						
		128+00.00	664.36						
	PVT	128+09.96	663.19						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	128+09.96	663.19	24.6206	-11.89%				
	PVC	128+34.58	660.27						
Symmetrical Paraboloa	PVC	128+34.58	660.27	310	-11.89%	-3.11%	35.3349	3.3996	
		128+50.00	658.47						
		129+00.00	653.10						
		129+50.00	648.44						
	PVI	129+89.58	641.85						
		130+00.00	644.48						
		130+50.00	641.23						
		131+00.00	638.69						
	PVT	131+44.58	637.02						
Linear	PVT	131+44.58	637.02	74.4019	-3.11%				
		131+50.00	636.85						
		132+00.00	635.30						
	PVC	132+18.98	634.71						
Symmetrical Paraboloa	PVC	132+18.98	634.71	550	-3.11%	7.90%	49.9454	7.5708	
		132+50.00	633.84						
		133+00.00	632.84						
		133+50.00	632.35						
	VLOW	133+74.41	632.29						
		134+00.00	632.35						
		134+50.00	632.86						
	PVI	134+93.98	626.15						
		135+00.00	633.87						
		135+50.00	635.38						
		136+00.00	637.38						
		136+50.00	639.89						
		137+00.00	642.90						
		137+50.00	646.41						
	PVT	137+68.98	647.87						
Linear	PVT	137+68.98	647.87	24.3908	7.90%				
	PVC	137+93.37	649.80						
Symmetrical Paraboloa	PVC	137+93.37	649.80	150	7.90%	1.03%	21.8404	-1.2877	
		138+00.00	650.32						
		138+50.00	653.54						
	PVI	138+68.37	655.73						
		139+00.00	655.62						
	PVT	139+43.37	656.50						
Linear	PVT	139+43.37	656.50	184.4306	1.03%				
		139+50.00	656.57						
		140+00.00	657.08						
		140+50.00	657.60						
		141+00.00	658.12						
	PVC	141+27.80	658.40						
Symmetrical Paraboloa	PVC	141+27.80	658.40	300	1.03%	-2.22%	92.1625	-1.2207	481.5239
		141+50.00	658.61						
		142+00.00	658.87						
	VHIGH	142+22.91	658.89						
		142+50.00	658.85						
	PVI	142+77.80	659.95						
		143+00.00	658.57						
		143+50.00	658.02						
		144+00.00	657.19						
	PVT	144+27.80	656.62						
Linear	PVT	144+27.80	656.62	602.1934	-2.22%				
		144+50.00	656.12						
		145+00.00	655.01						
		145+50.00	653.90						
		146+00.00	652.79						
		146+50.00	651.68						
		147+00.00	650.57						
		147+50.00	649.45						
		148+00.00	648.34						
		148+50.00	647.23						
		149+00.00	646.12						
		149+50.00	645.01						
		150+00.00	643.90						
	PVC	150+29.99	643.23						
Symmetrical Paraboloa	PVC	150+29.99	643.23	100	-2.22%	-2.52%	337	-0.0371	
		150+50.00	642.78						
	PVI	150+79.99	642.12						
		151+00.00	641.60						
	PVT	151+29.99	640.86						
Linear	PVT	151+29.99	640.86	195	-2.52%				
		151+50.00	640.35						
		152+00.00	639.09						
		152+50.00	637.83						
		153+00.00	636.57						
	PVC	153+24.99	635.94						
Symmetrical Paraboloa	PVC	153+24.99	635.94	250	-2.52%	-1.86%	378.433	0.2064	
		153+50.00	635.32						
		154+00.00	634.13						
	PVI	154+49.99	632.79						
		154+50.00	633.00						
		155+00.00	631.94						
		155+50.00	630.94						
	PVT	155+74.99	630.47						

Element	Point Type	Station	Elevation	Length	Entrance Grade	Exit Grade	K	Middle Ordinate	SSD/HSD
Linear	PVT	155+74.99	630.47	235	-1.86%				
		156+00.00	630.01						
		156+50.00	629.08						
		157+00.00	628.15						
		157+50.00	627.22						
		158+00.00	626.29						
	PVC	158+09.99	626.10						
Symmetrical Paraboloa	PVC	158+09.99	626.10	400	-1.86%	7.03%	44.9984	4.4446	
		158+50.00	625.54						
	VLOW	158+93.66	625.32						
		159+00.00	625.33						
		159+50.00	625.68						
		160+00.00	626.58						
	PVI	160+09.99	622.38						
		160+50.00	628.04						
		161+00.00	630.05						
		161+50.00	632.63						
		162+00.00	635.75						
	PVT	162+09.99	636.44						
Linear	PVT	162+09.99	636.44	1010.555	7.03%				
		162+50.00	639.26						
		163+00.00	642.77						
		163+50.00	646.29						
		164+00.00	649.80						
		164+50.00	653.32						
		165+00.00	656.83						
		165+50.00	660.35						
		166+00.00	663.86						
		166+50.00	667.37						
		167+00.00	670.89						
		167+50.00	674.40						
		168+00.00	677.92						
		168+50.00	681.43						
		169+00.00	684.95						
		169+50.00	688.46						
		170+00.00	691.98						
		170+50.00	695.49						
		171+00.00	699.01						
		171+50.00	702.52						
		172+00.00	706.04						
	PVC	172+20.55	707.48						
Symmetrical Paraboloa	PVC	172+20.55	707.48	420	7.03%	2.06%	84.512	-2.6091	
		172+50.00	709.50						
		173+00.00	712.70						
		173+50.00	715.59						
		174+00.00	718.19						
	PVI	174+30.55	722.25						
		174+50.00	720.50						
		175+00.00	722.51						
		175+50.00	724.22						
		176+00.00	725.64						
	PVT	176+40.55	726.57						
Linear	PVT	176+40.55	726.57	439.537	2.06%				
		176+50.00	726.77						
		177+00.00	727.80						
		177+50.00	728.83						
		178+00.00	729.86						
		178+50.00	730.89						
		179+00.00	731.92						
		179+50.00	732.95						
		180+00.00	733.98						
		180+50.00	735.01						
	PVC	180+80.09	735.63						
Symmetrical Paraboloa	PVC	180+80.09	735.63	230	2.06%	0.25%	127.058	-0.5204	
		181+00.00	736.02						
		181+50.00	736.88						
	PVI	181+95.09	738.00						
		182+00.00	737.53						
		182+50.00	737.99						
		183+00.00	738.26						
	PVT	183+10.09	738.29						
Linear	PVT	183+10.09	738.29	69.7686	0.25%				
		183+50.00	738.39						
		183+79.68	738.46						
	POE	183+79.85	738.46						

Stantec

VERTICAL ALIGNMENT TABLE SHEET #7

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258vats07.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 134 OF 387

DRILLING NOTES

PROJECT NAME: CAMBRIDGE - BAKERSFIELD **PROJECT NUMBER:** STP 2926(1) **SITE:** VT-108
BORING CONTRACTOR: MIKES BORING & CORING **DATE:** 8/1 and 8/2/2011 **REVIEWED BY:** D'AGOSTINO

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOSITURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS	SOIL DES	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-1	8/1/2011	9.1	Rt	0.0 - 0.3	A	Asphalt								
Cambridge				0.3 - 0.7	A	Subbase								
				0.7 - 4.0	A	f Sa								
				4.0 -5.0	A	Si Sa								
				NLTD										
B-2	8/1/2011	9.2	Lt	0.0 - 0.4	A	Asphalt								
Cambridge				0.4 - 0.5	A	Subbase								
				0.5 - 2.5	A	Sa Gr	2.8	A-1-a	Sa Gr	59.5	28.8	11.8		
				TLOB										
B-3	8/1/2011	9.4	Rt	0.0 - 0.3	A	Asphalt								
Cambridge				0.3 - 0.4	A	Subbase								
				0.4 - 3.5	A	Sa Gr								
				3.5 - 5.0	A	Si Sa	48.6	A-4	Cl Si	0.6	12.0	87.5	34	24
				NLTD		Water at 4.0 feet								
B-4	8/1/2011	9.6	Lt	0.0 - 0.7	A	Asphalt								
Cambridge				0.7 - 0.8	A	Subbase								
				0.8 - 3.5	A	Sa Gr	3.3	A-1-a	Sa Gr	51.6	37.1	11.3		
				3.5 - 5.0	A	Si Sa								
B-5	8/1/2011	9.8	Rt	0.0 - 0.5	A	Asphalt								
Cambridge				0.5 - 3.0	A	Sa Gr								
				TLOB										
B-6	8/1/2011	10.0	Lt	0.0 - 0.5	A	Asphalt								
Cambridge				0.5 - 3.5	A	Sa Gr	6.4	A-1-b	Si Gr Sa	36.8	42.0	21.2		
				3.5 - 5.0	A	Si Cl								
				NLTD										
B-7	8/1/2011	10.2	Rt	0.0 - 0.5	A	Asphalt								
Cambridge				0.5 - 3.5	A	Sa Gr								
				3.5 - 5.0	A	Si Sa	14.2	A-4	Sa Si	17.0	26.9	56.1		
				NLTD										
B-8	8/1/2011	10.4	Lt	0.0 - 0.5	A	Asphalt								
Cambridge				0.5 - 3.5	A	Sa Gr								
				3.5 - 5.0	A	Si Sa								
				NLTD										
B-9	8/1/2011	10.6	Rt	0.0 - 0.5	A	Asphalt								
Cambridge				0.5 - 3.5	A	Sa Gr								
				3.5 - 5.0	A	f Sa w/trace Si								
				NLTD										
B-10	8/1/2011	10.8	Lt	0.0 - 0.5	A	Asphalt								
Cambridge				0.5 - 1.5	A	Gr	13.8	A-4	Si Sa	8.4	47.4	44.2		
				1.5 - 5.0	A	f Sa								
				NLTD										
B-11	8/1/2011	11.0	Rt	0.0 - 0.6	A	Asphalt								
Cambridge				0.6 - 3.5	A	Sa Gr								
				3.5 - 5.0	A	Si Cl	26.1	A-4	Cl Si	1.1	3.8	95.1	33	24
				NLTD										
B-12	8/1/2011	11.2	Lt	0.0 - 0.3	A	Asphalt								
Cambridge				0.3 - 0.4	A	Subbase								
				0.4 - 3.5	A	Sa Gr								
				3.5 - 5.0	A	Si Sa w/trace Gr								
				NLTD										
B-13	8/1/2011	11.4	Rt	0.0 - 0.5	A	Asphalt								
Cambridge				0.5 - 5.0	A	Sa Gr								
				NLTD										
B-14	8/1/2011	11.6	Lt	0.0 - 0.5	A	Asphalt								
Cambridge				0.5 - 2.0	A	Sa Gr	14.3	A-4	Sa Si	6.2	26.5	67.3		
				2.0 - 5.0	A	Si Sa w/trace Cl								
				NLTD										
B-15	8/1/2011	11.8	Rt	0.0 - 0.5	A	Asphalt								
Cambridge				0.5 - 3.5	A	Sa Gr								
				3.5 - 5.0	A	Si Sa	16.4	A-4	Sa Si	15.6	37.0	47.4		
				NLTD										
B-16	8/1/2011	12.0	Lt	0.0 - 0.5	A	Asphalt								
Cambridge				0.5 - 0.8	A	Concrete								
				0.8 - 3.5	A	Sa Gr								
				3.5 - 5.0	A	Si Sa								
				NLTD										
B-17	8/1/2011	12.2	Rt	0.0 - 0.6	A	Asphalt								
Cambridge				0.6 - 3.5	A	Sa Gr								
				3.5 - 5.0	A	Si Sa w/some m Gr								
				NLTD										

DRILLING NOTES

PROJECT NAME: CAMBRIDGE - BAKERSFIELD **PROJECT NUMBER:** STP 2926(1) **SITE:** VT-108
BORING CONTRACTOR: MIKES BORING & CORING **DATE:** 8/1 and 8/2/2011 **REVIEWED BY:** D'AGOSTINO

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOSITURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS	SOIL DES	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-18	8/1/2011	12.4	Lt	0.0 - 0.8	A	Asphalt								
Cambridge				0.8 - 3.0	A	Sa Gr	12.5	A-4	Si Sa	17.1	43.1	39.8		
				3.0 - 5.0	A	Si Sa								
				NLTD										
B-19	8/1/2011	12.6	Rt	0.0 - 0.7	A	Asphalt								
Cambridge				0.7 - 3.0	A	Sa Gr	8.6	A-2-4	Si Gr Sa	29.4	41.6	29.0		
				3.0 - 5.0	A	Si Sa w/m Gr								
				NLTD										
B-20	8/1/2011	12.8	Lt	0.0 - 0.6	A	Asphalt								
Cambridge				0.6 - 3.0	A	Sa Gr								
				3.0 - 5.0	A	f Sa								
				NLTD		Water at 3.0 ft								
B-21	8/1/2011	13.0	Rt	0.0 - 0.3	A	Asphalt								
Cambridge				0.3 - 2.0	A	Sa Gr								
				2.0 - 5.0	A	f Sa								
				NLTD										
B-22	8/1/2011	13.1	Lt	0.0 - 0.7	A	Asphalt								
Cambridge				0.7 - 4.0	A	Sa Gr	5.3	A-1--b	Si Gr Sa	35.6	42.5	21.9		
				4.0 - 5.0	A	f Sa								
				NLTD										
B-23	8/2/2011	0.2	Rt	0.0 - 0.7	A	Asphalt								
Fletcher				0.7 - 3.0	A	Sa Gr								
				3.0 - 5.0	A	Si Sa	13.6	A-2-4	Si Gr Sa	21.1	58.2	20.8		
				NLTD										
B-24	8/2/2011	0.4	Lt	0.0 - 0.5	A	Asphalt								
Fletcher				0.5 - 2.0	A	Sa Gr								
				2.0 - 5.0	A	f Sa	13.5	A-4	Si Sa	2.8	57.0	40.2		
				NLTD										
B-25	8/2/2011	0.6	Rt	0.0 - 0.5	A	Asphalt								
Fletcher				0.5 - 5.0	A	Sa Gr								
				NLTD										
B-26	8/2/2011	0.8	Lt	0.0 - 0.7	A	Asphalt								
Fletcher				0.7 - 4.0	A	Sa Gr	2.3	A-1-a	Sa Gr	64.6	23.4	12.0		
				4.0 - 5.0	A	f Sa w/small stones								
				NLTD										
B-27	8/2/2011	1.0	Rt	0.0 - 0.5	A	Asphalt								
Fletcher				0.5 - 3.5	A	Sa Gr								
				3.5 - 5.0	A	Si Sa	15.0	A-4	Sa Si	14.5	22.8	62.7		
				NLTD										
B-28	8/2/2011	1.2	Lt	0.0 - 0.5	A	Asphalt								
Fletcher				0.5 - 5.0	A	Si Sa w/some m Gr								
				NLTD										
B-29	8/2/2011	1.4	Rt	0.0 - 0.5	A	Asphalt								
Fletcher				0.5 - 4.0	A	Sa Gr								
				4.0 - 5.0	A	Si Sa								
				NLTD										
B-30	8/2/2011	1.6	Lt	0.0 - 0.7	A	Asphalt								
Fletcher				0.7 - 3.5	A	Sa Gr	5.5	A-1-b	Si Sa Gr	40.7	38.6	20.7		
				3.5 - 5.0	A	Si Sa								
				NLTD										
B-31	8/2/2011	1.8	Rt	0.0 - 0.5	A	Asphalt								
Fletcher				0.5 - 3.0	A	Sa Gr								
				3.0 - 5.0	A	Si Sa w/some Cl	15.8	A-4	Sa Si	16.6	29.8	53.7	21	17
				NLTD										
B-32	8/2/2011	2.0	Lt	0.0 - 0.5	A	Asphalt								
Fletcher				0.5 - 4.0	A	Sa Gr								
				4.0 - 5.0	A	f Sa w/some m Gr								
				NLTD										
B-33	8/2/2011	2.2	Rt	0.0 - 0.5	A	Asphalt								
Fletcher				0.5 - 3.5	A	Sa Gr								
				3.5 - 5.0	A	f Sa w/some Gr and Si								
				NLTD										
B-34	8/2/2011	2.3	Lt	0.0 - 0.5	A	Asphalt								
Fletcher				0.5 - 4.0	A	Sa Gr	8.3	A-1-b	Gr Sa	25.9	58.1	16.0		
				4.0 - 5.0	A	f Si Sa, some Gr								
				NLTD										

DRILLING NOTES

PROJECT NAME: CAMBRIDGE - BAKERSFIELD **PROJECT NUMBER:** STP 2926(1) **SITE:** VT-108
BORING CONTRACTOR: MIKES BORING & CORING **DATE:** 8/1 and 8/2/2011 **REVIEWED BY:** D'AGOSTINO

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOSITURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS	SOIL DES	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-35	8/2/2011	0.2	Rt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 3.5	A	Sa Gr								
				3.5 - 5.0	A	f Si Sa, some Gr	7.7	A-1-b	Si Sa Gr	41.5	35.2	23.3		
				NLTD										
B-36	8/2/2011	0.4	Lt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 4.0	A	Sa Gr								
				TOLB										
B-37	8/2/2011	0.6	Rt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 5.0	A	Sa Gr								
				NLTD										
B-38	8/2/2011	0.8	Lt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 5.0	A	f Si Sa, w/some m Gr	11.3	A-1-b	Si Gr Sa	35.5	43.6	20.9		
				NLTD										
B-39	8/2/2011	1.0	Rt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 4.0	A	Sa Gr								
				4.0 - 5.0	A	f Sa w/m Gr	11.1	A-4	Gr Si Sa	25.8	37.1	37.1		
				NLTD										
B-40	8/2/2011	1.2	Lt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 4.0	A	Sa Gr								
				4.0 - 5.0	A	f Sa w/trace Gr								
				NLTD										
B-41	8/2/2011	1.4	Rt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 5.0	A	f Sa w/some m Gr								
				NLTD										
B-42	8/2/2011	1.6	Lt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 5.0	A	Sa Gr	13.1	A-2-4	Gr Si Sa	22.0	47.1	30.9		
				NLTD										
B-43	8/2/2011	1.8	Rt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 2.5	A	Sa Gr								
				TOLB										
B-44	8/2/2011	2.0	Lt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 5.0	A	Sa Gr								
				NLTD										
B-45	8/2/2011	2.2	Rt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 5.0	A	Sa Gr	7.6	A-2-4	Si Gr Sa	29.8	43.0	27.2		
				NLTD										
B-46	8/2/2011	2.4	Lt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 5.0	A	f Sa w/m Gr								
				NLTD										
B-47	8/2/2011	2.6	Rt	0.0 - 0.4	A	Asphalt								
Bakersfield				0.4 - 5.0	A	f Sa w/some m Gr								
				NLTD										
B-48	8/2/2011	2.8	Lt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 5.0	A	f Sa w/m Gr	6.2	A-2-4	Si Gr Sa	25.4	49.3	25.3		
				NLTD										
B-49	8/2/2011	3.0	Rt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 5.0	A	f Sa w/m Gr								
				NLTD										
B-50	8/2/2011	3.2	Lt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 5.0	A	f Sa w/m Gr								
				NLTD										
B-51	8/2/2011	3.4	Rt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 1.5	A	Sa Gr								
				1.5 - 5.0	A	f Sa	3.5	A-2-4	Sa	2.3	86.1	11.5		
				NLTD										
B-52	8/2/2011	3.6	Lt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 2.0	A	Large Stone Gravel	3.0	A-1-a	Sa Gr	57.8	32.5	9.7		
				2.0 - 5.0	A	f Sa	5.0	A-2-4	Si Gr Sa	23.1	56.8	20.1		
				NLTD										
B-53	8/2/2011	3.7	Rt	0.0 - 0.5	A	Asphalt								
Bakersfield				0.5 - 2.0	A	Stone Gravel	3.5	A-1-b	Sa Gr	43.8	41.6	14.6		
				2.0 - 5.0	A	f Sa w/trace m Gr								
				NLTD										

SAMPLE TYPE "A" = Auger	NLTD = No Ledge To Depth
SAMPLE TYPE "SS" = Split Spoon	CNPF = Could Not Penetrate Further
SAMPLE TYPE "C" = Core	TLOB = To Ledge or Boulder

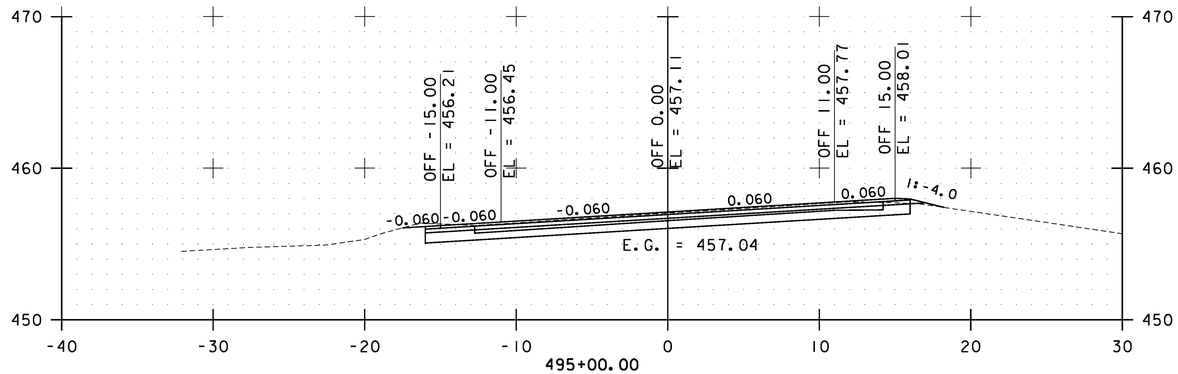
Stantec

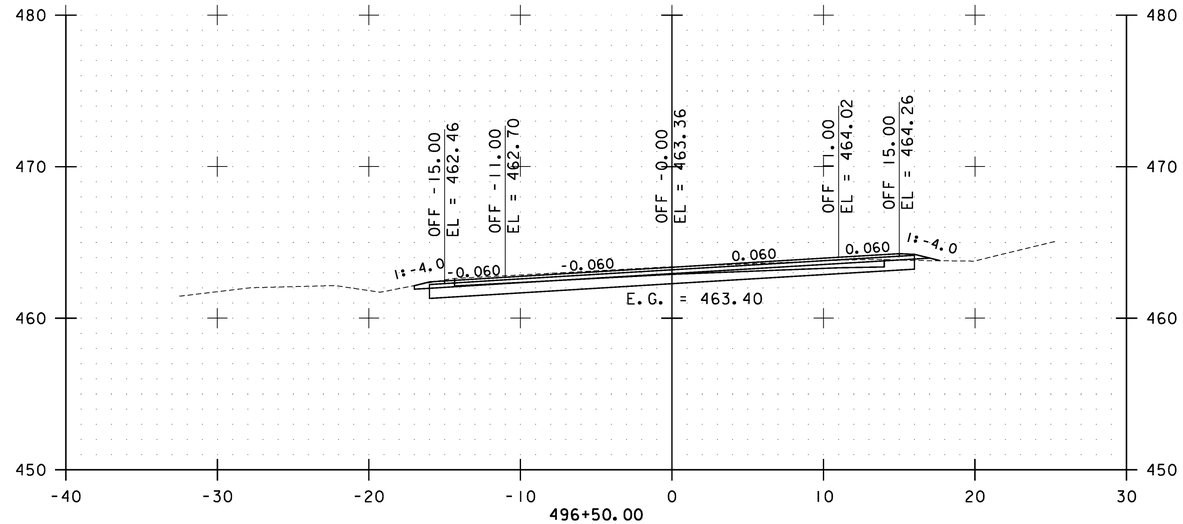
SOIL BORING DATA SHEET

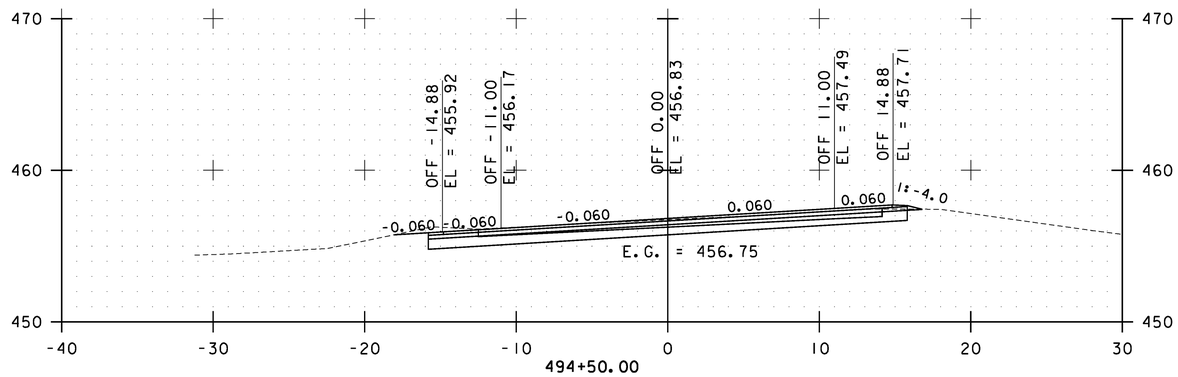
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

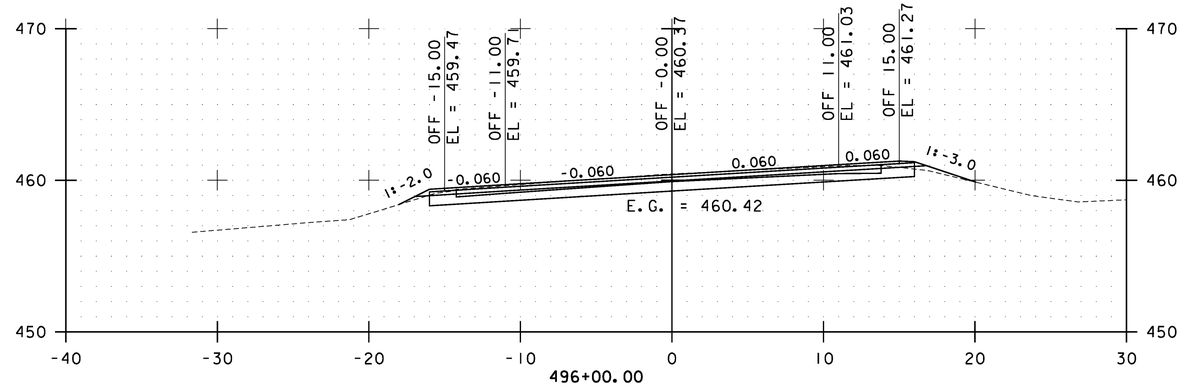
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258pcds.i

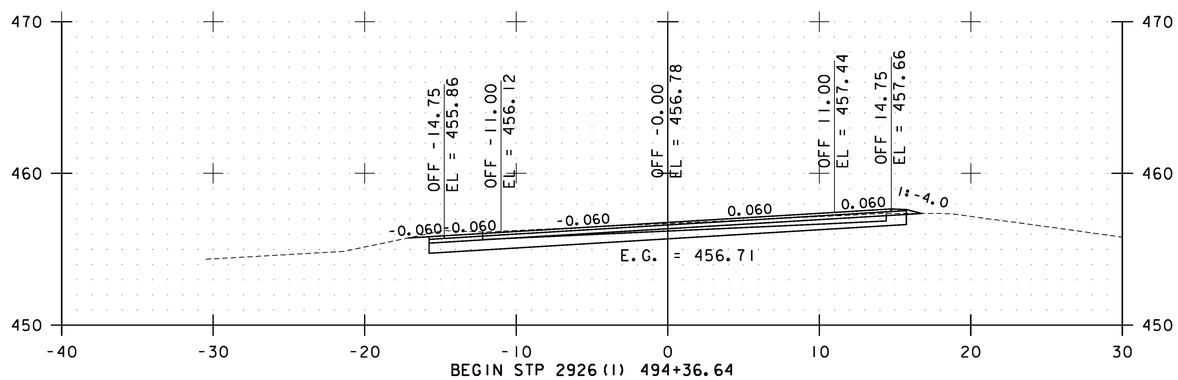
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 135 OF 387

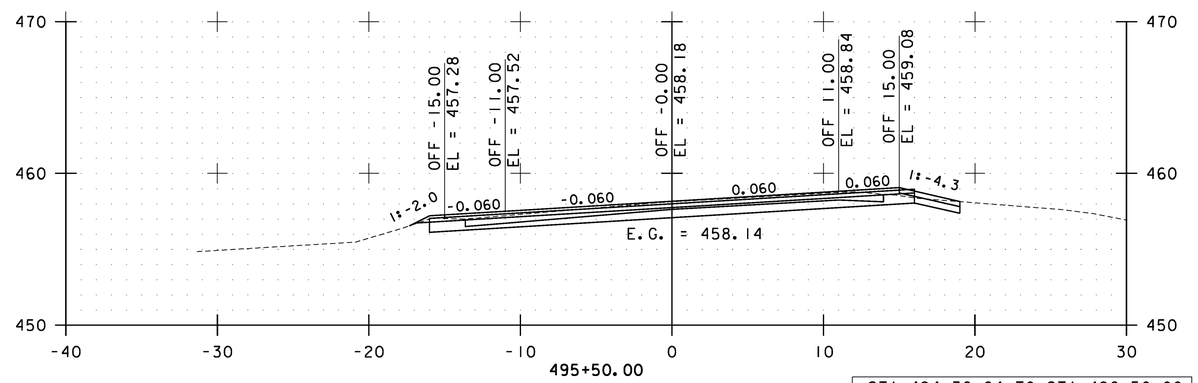












STA. 494+36.64 TO STA. 496+50.00

0 10 20
SCALE

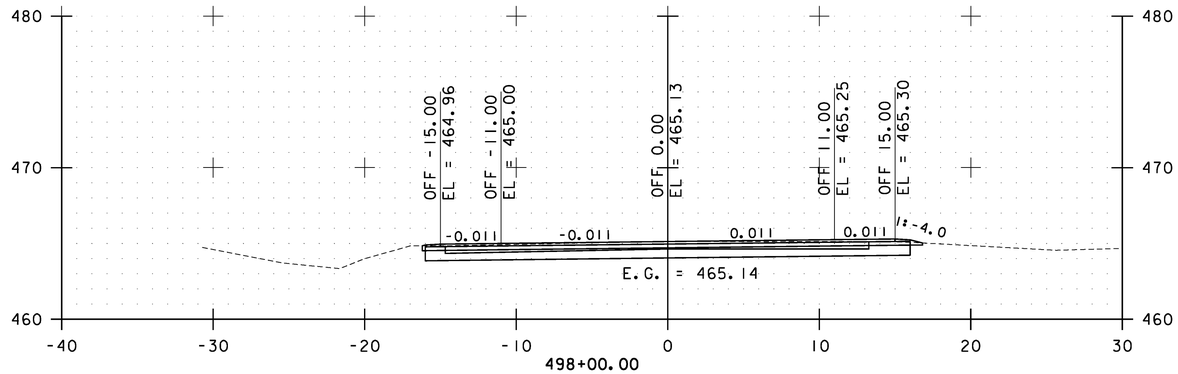
Stantec

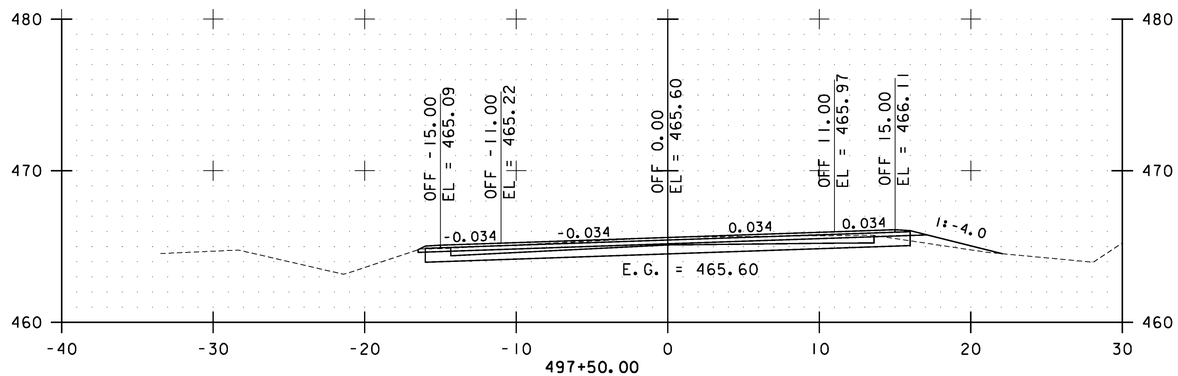
CAMBRIDGE CROSS SECTIONS SHEET #1

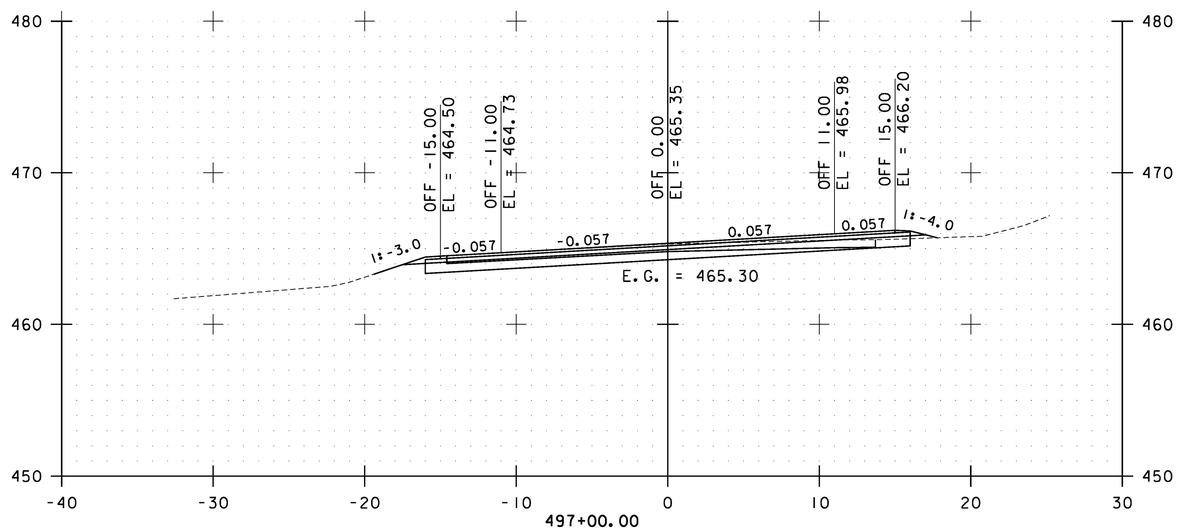
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

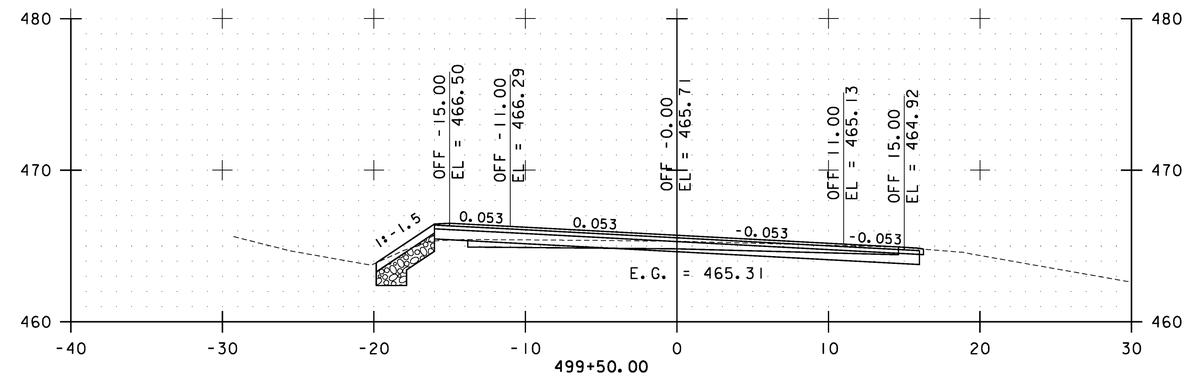
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs01.i

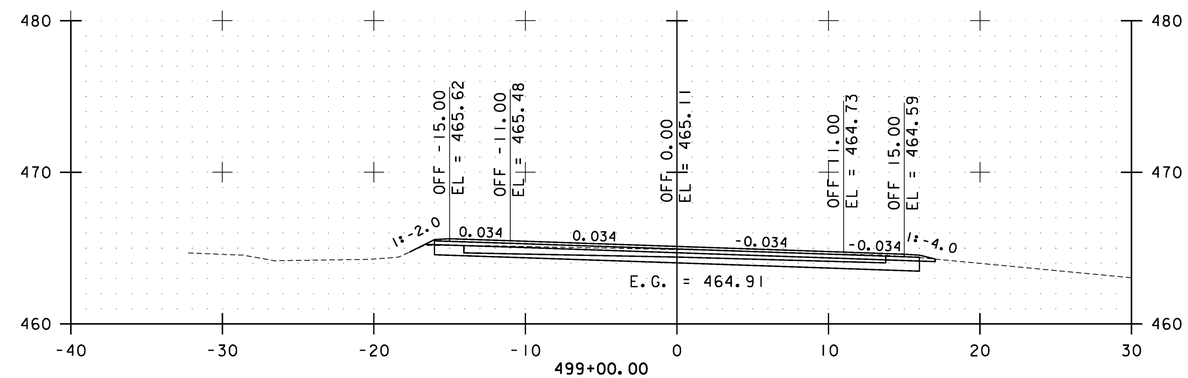
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 136 OF 387

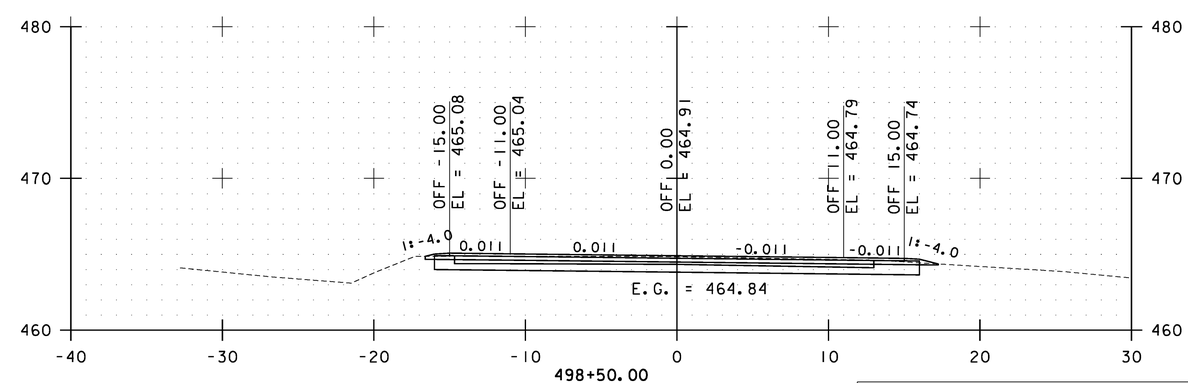












STA. 497+00.00 TO STA. 499+50.00

0 10 20
SCALE

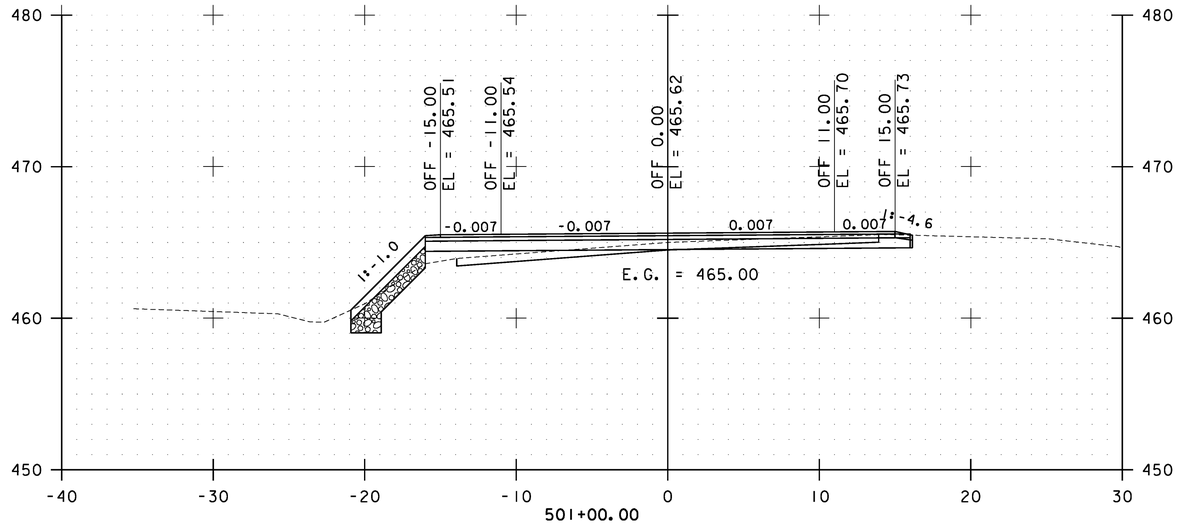
Stantec

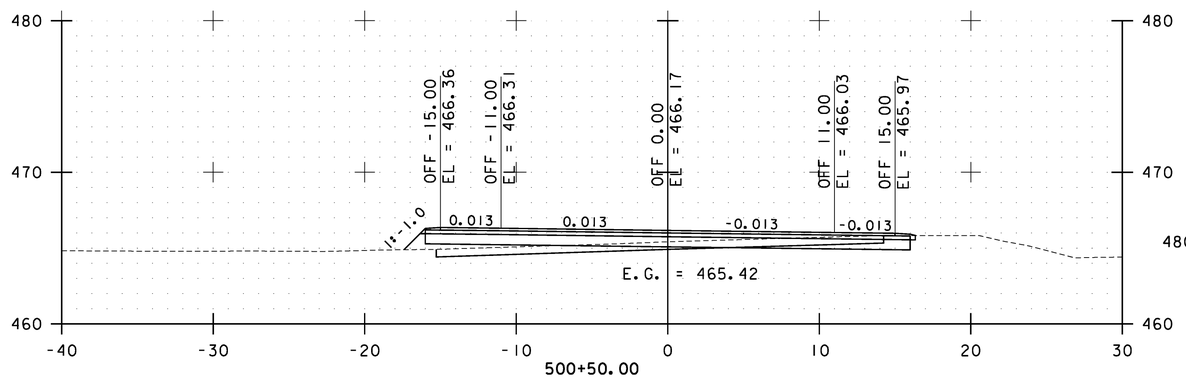
CAMBRIDGE CROSS SECTIONS SHEET #2

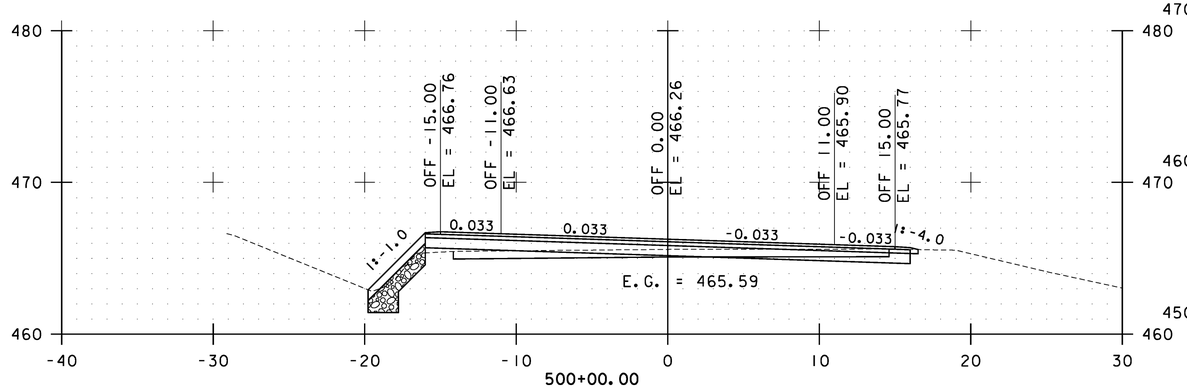
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

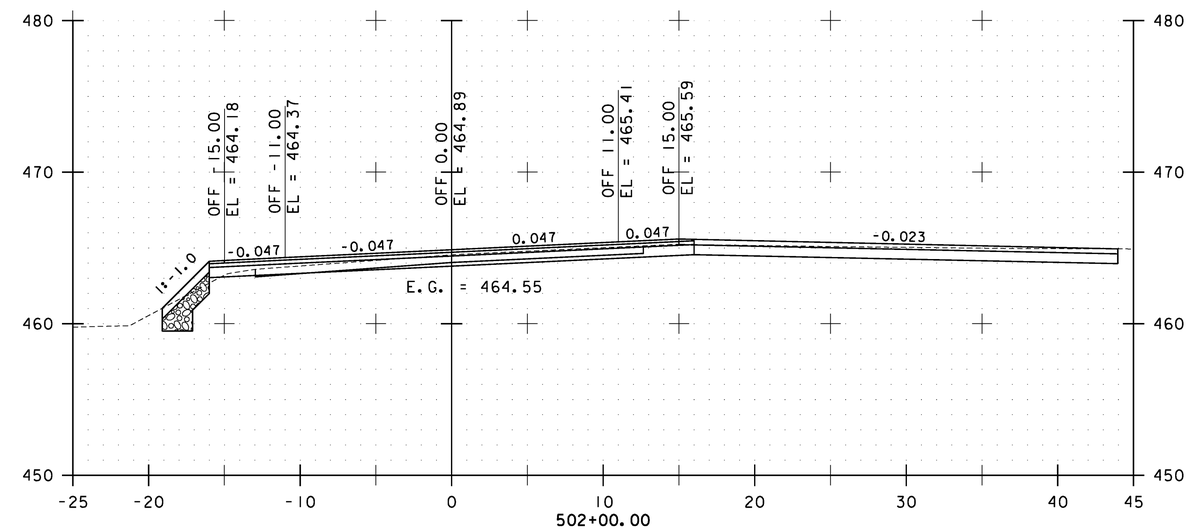
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs02.i

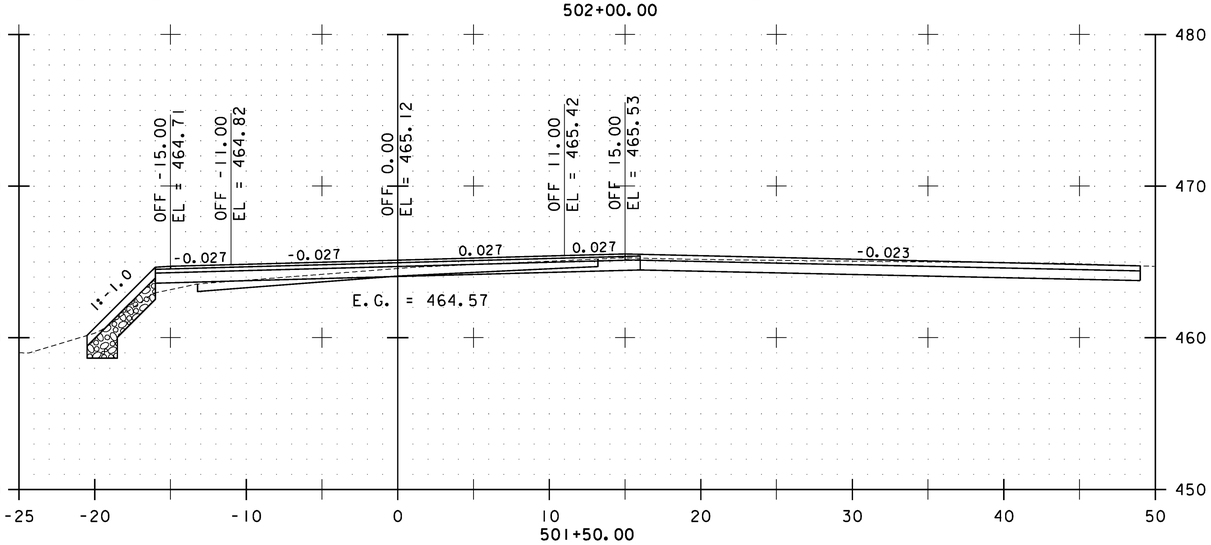
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 137 OF 387











STA. 500+00.00 TO STA. 502+00.00

0 10 20
SCALE

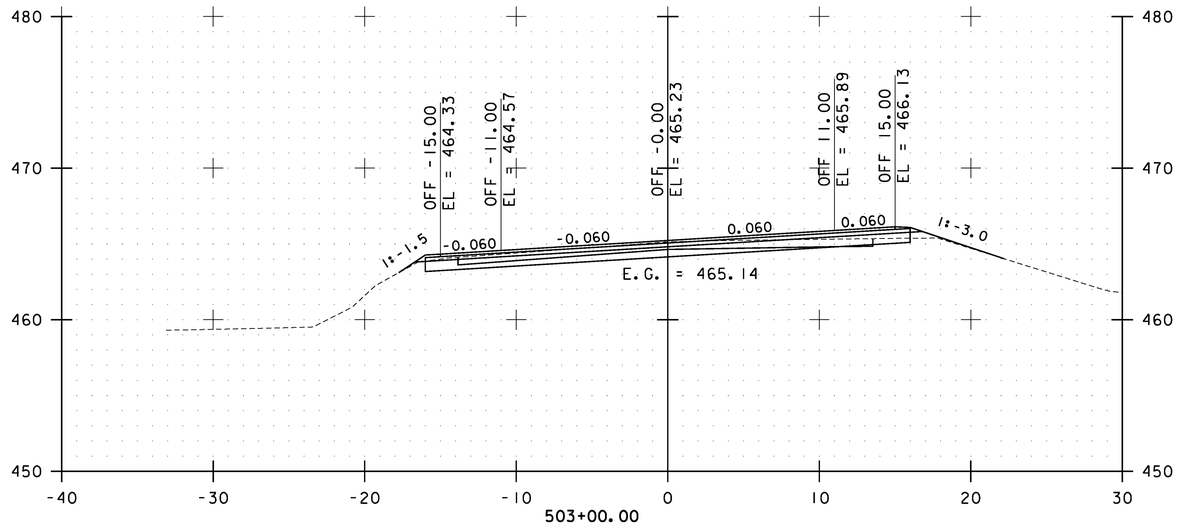
Stantec

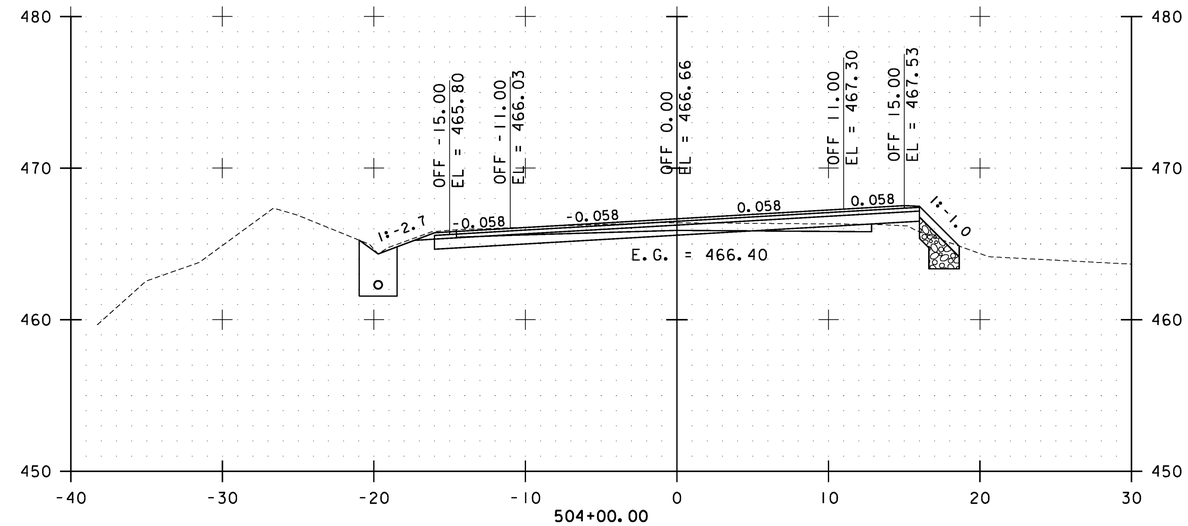
CAMBRIDGE CROSS SECTIONS SHEET #3

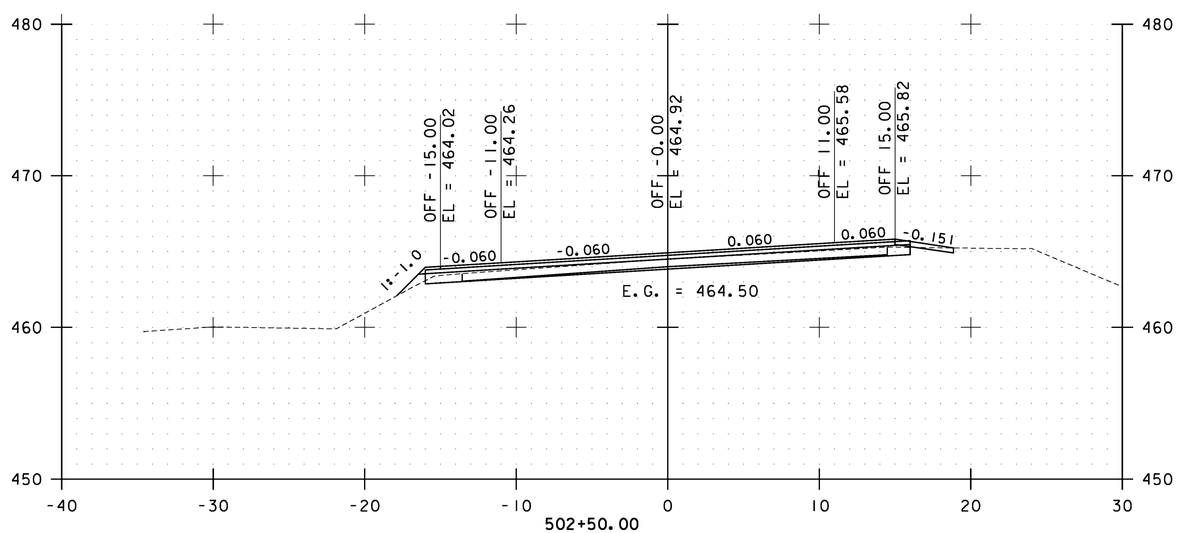
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

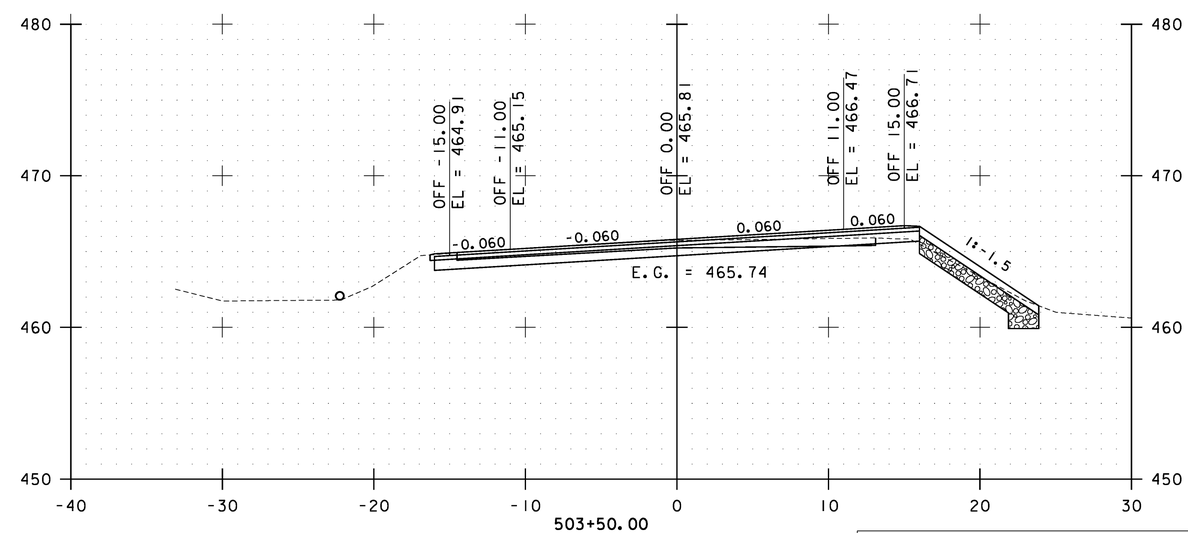
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs03.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 138 OF 387









STA. 502+50.00 TO STA. 504+00.00

0 10 20
SCALE

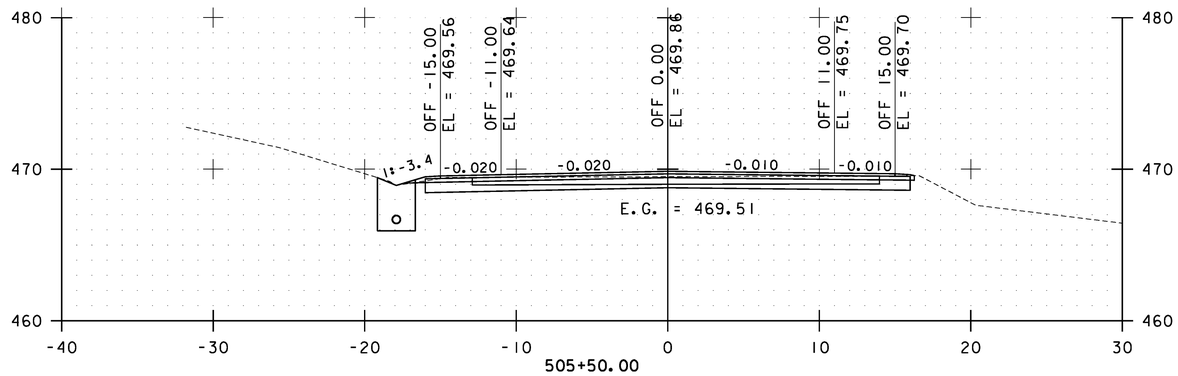
Stantec

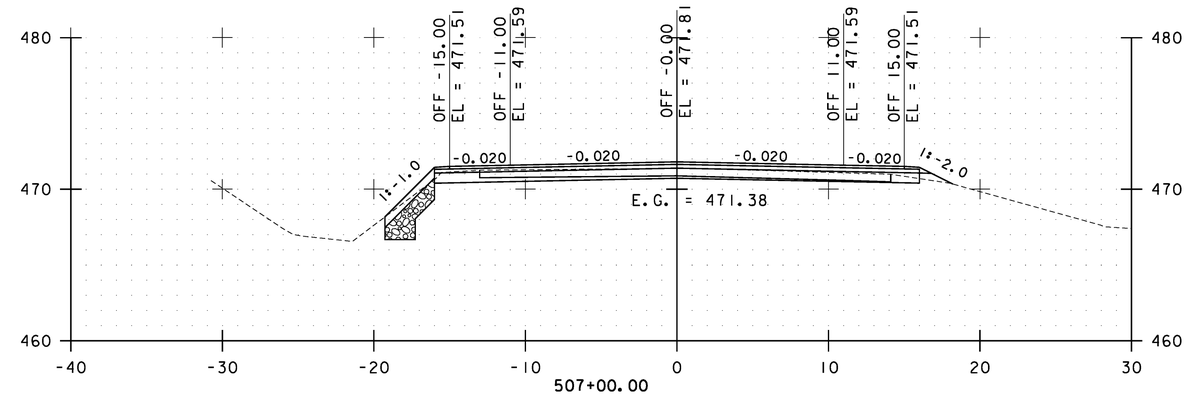
CAMBRIDGE CROSS SECTIONS SHEET #4

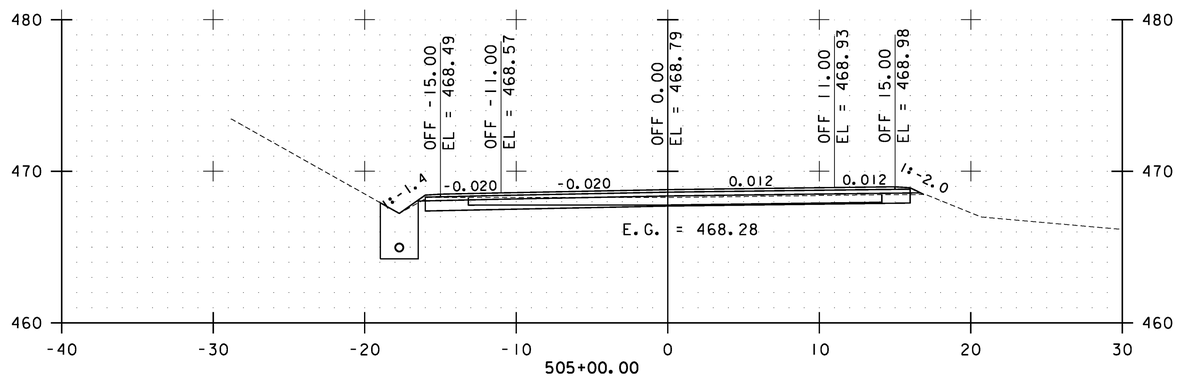
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

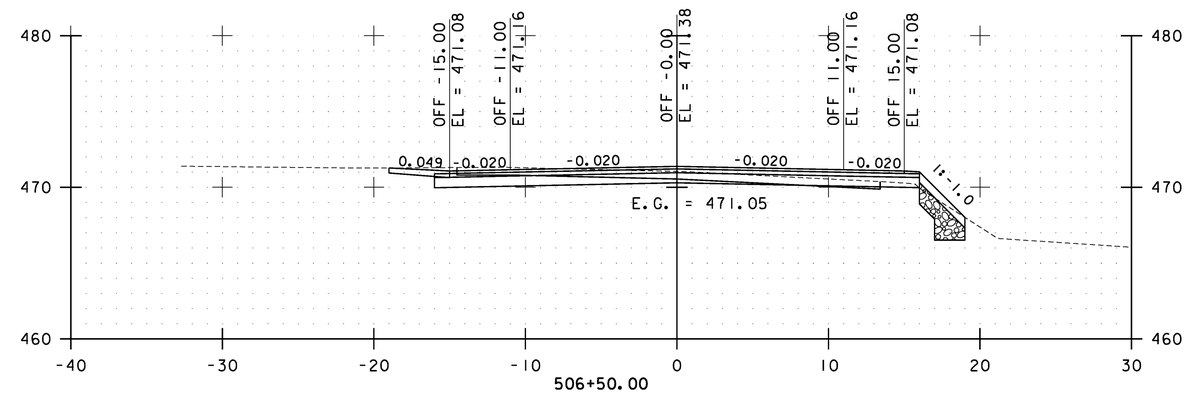
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs04.i

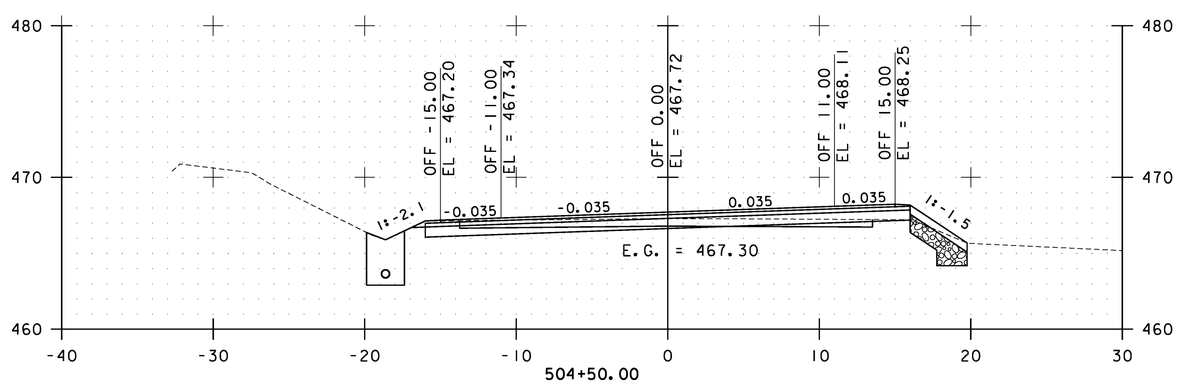
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 139 OF 387

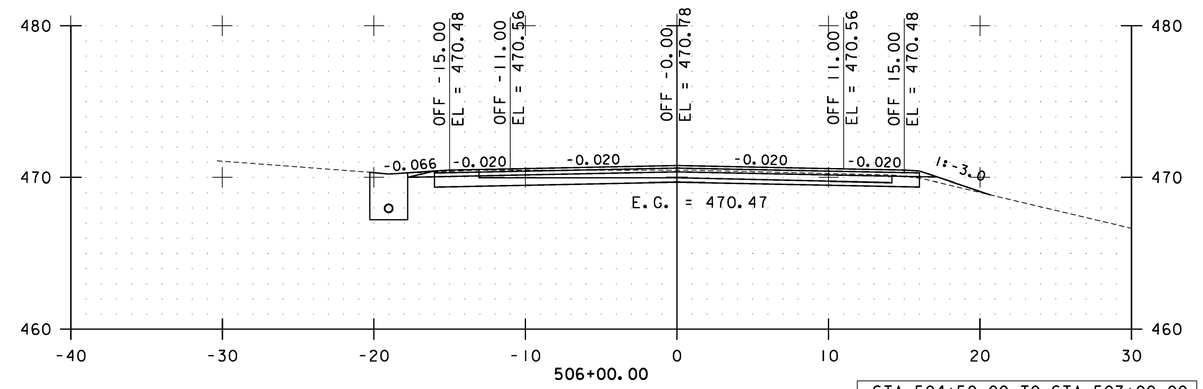












STA. 504+50.00 TO STA. 507+00.00

0 10 20
SCALE

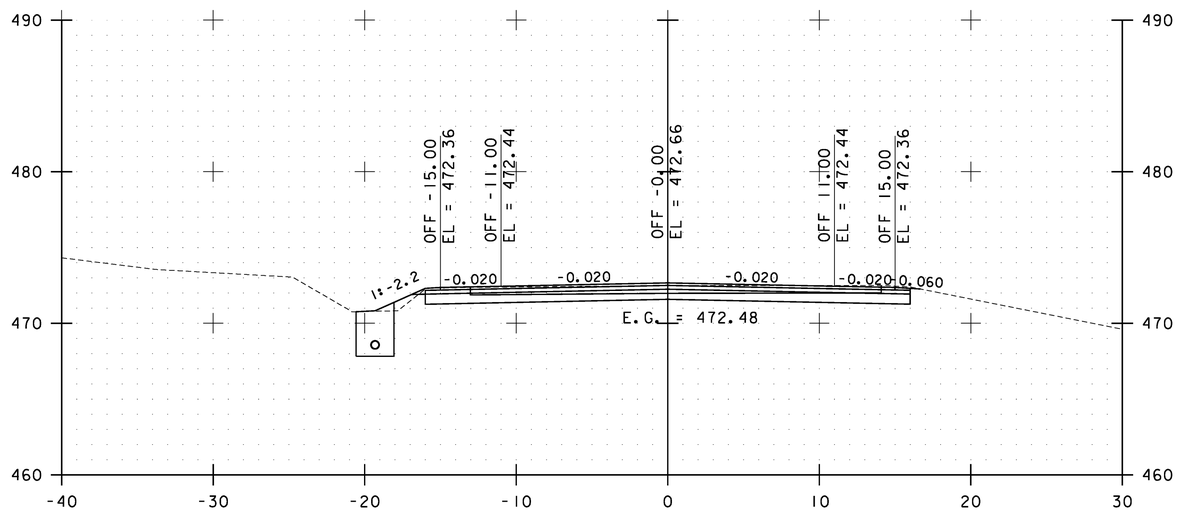
Stantec

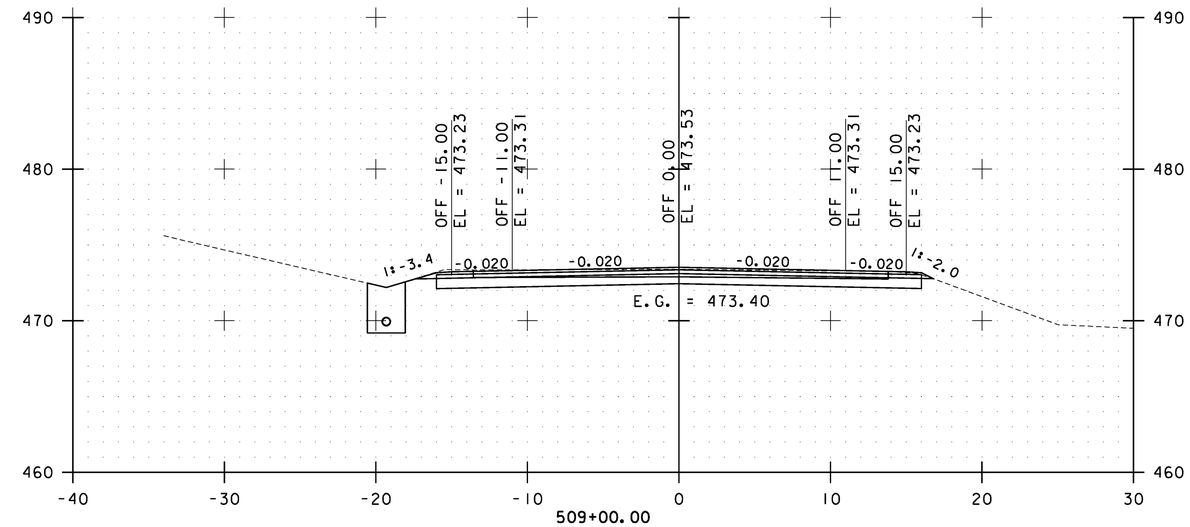
CAMBRIDGE CROSS SECTIONS SHEET #5

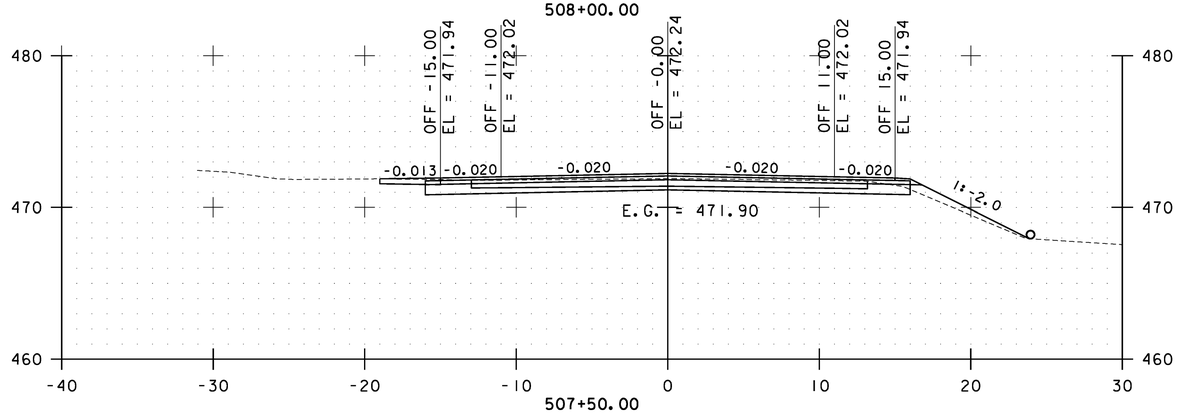
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

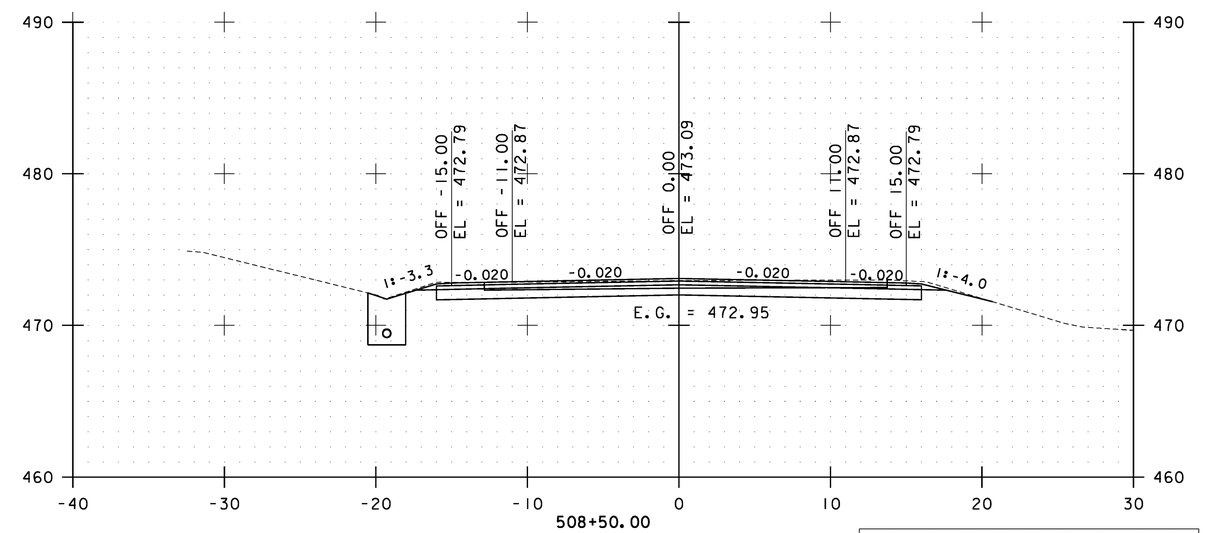
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs05.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 140 OF 387









STA. 507+50.00 TO STA. 509+00.00

0 10 20
SCALE

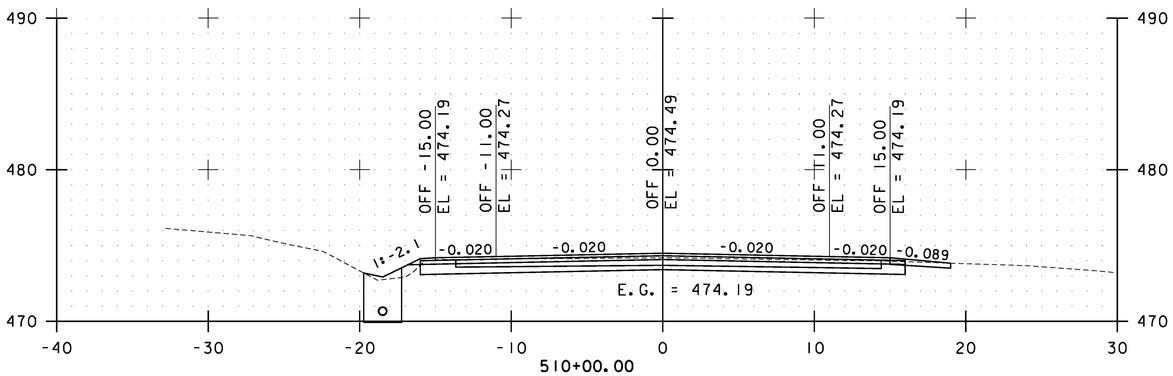
Stantec

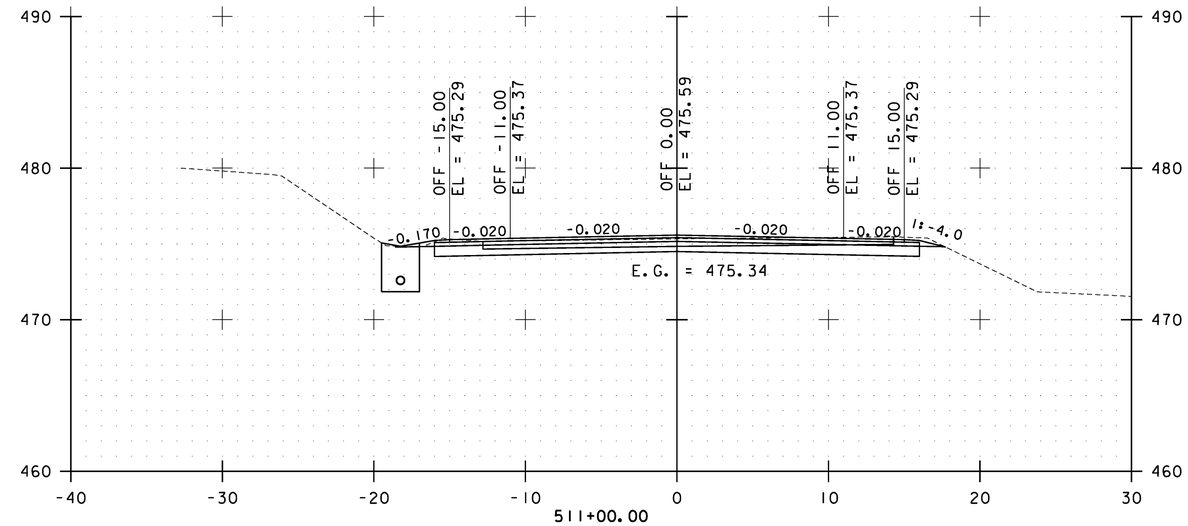
CAMBRIDGE CROSS SECTIONS SHEET #6

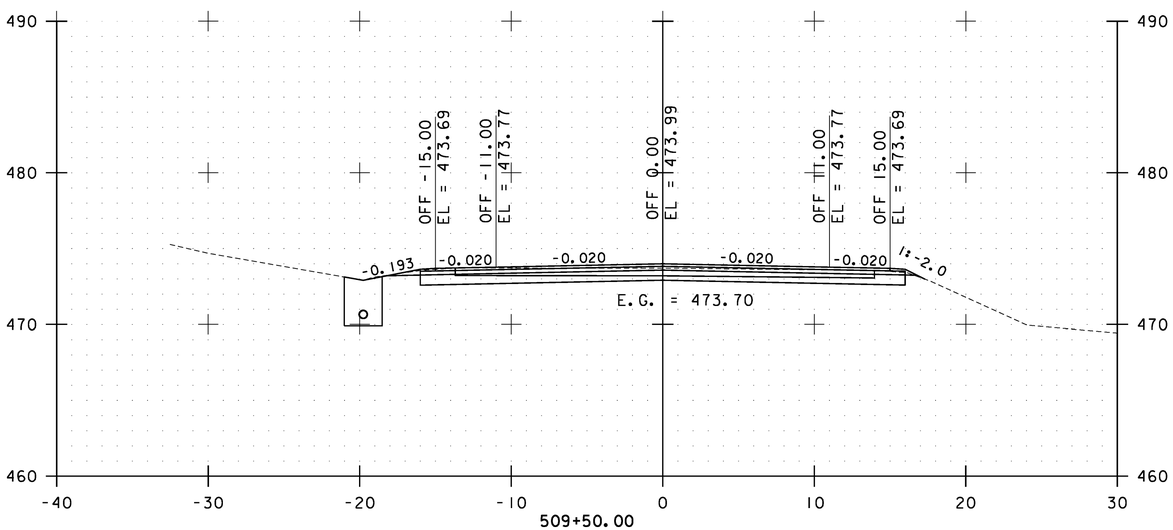
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

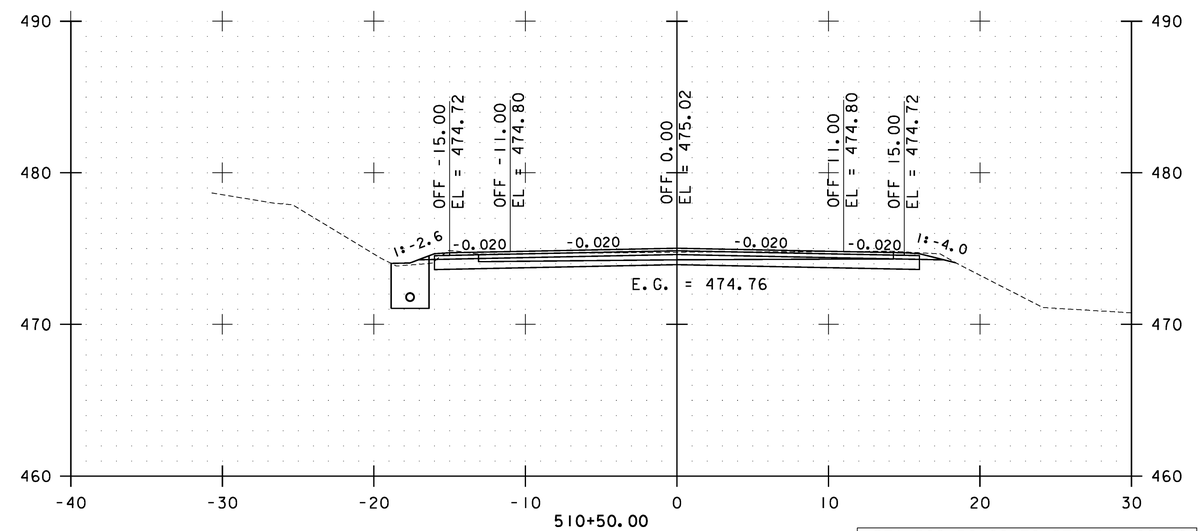
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs06.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 141 OF 387









STA. 509+50.00 TO STA. 511+00.00

0 10 20
SCALE

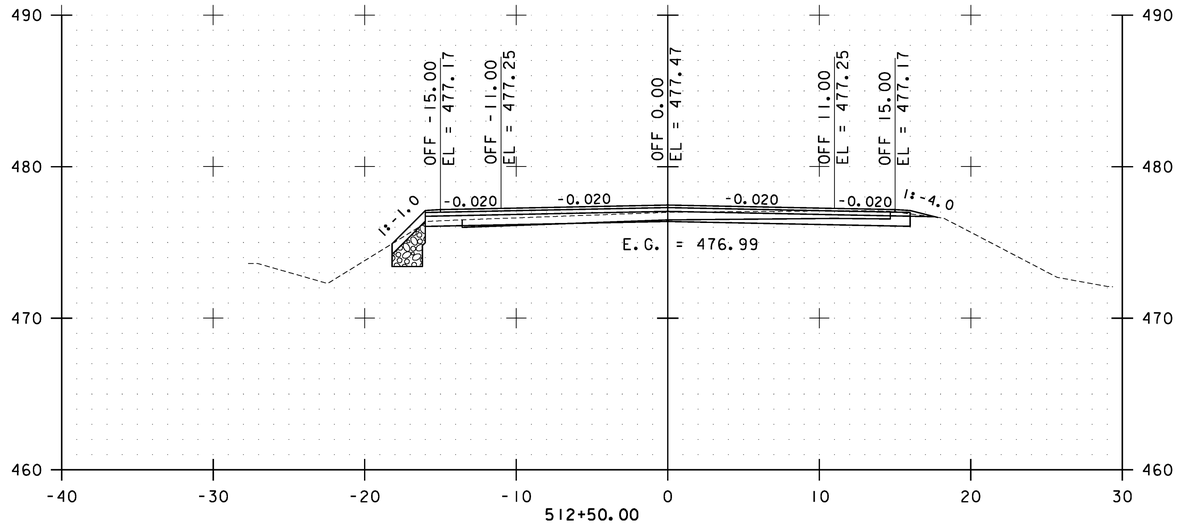
Stantec

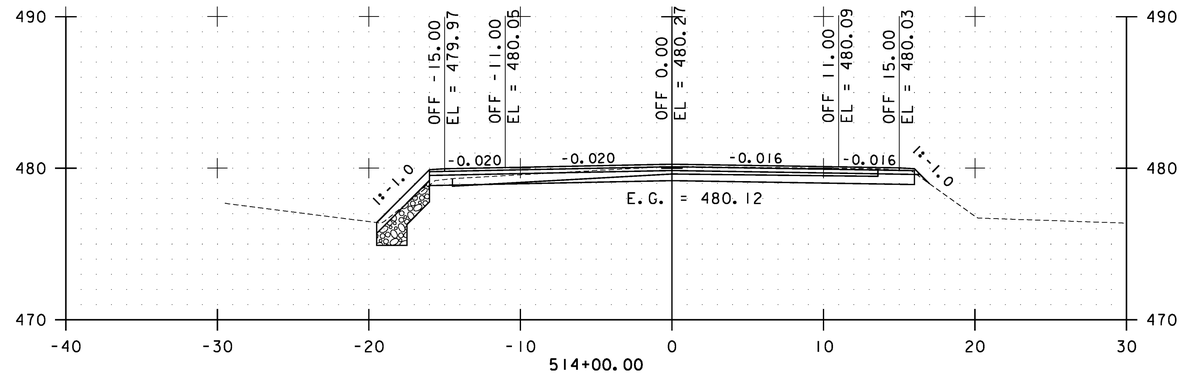
CAMBRIDGE CROSS SECTIONS SHEET #7

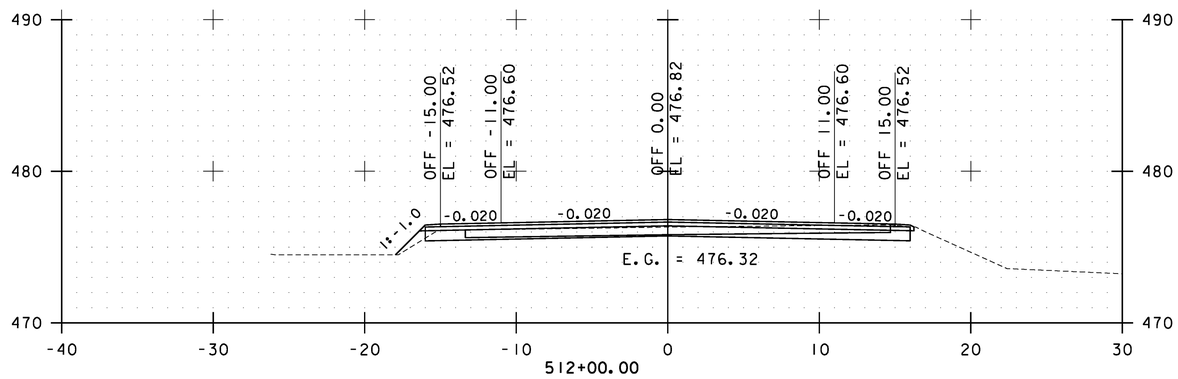
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

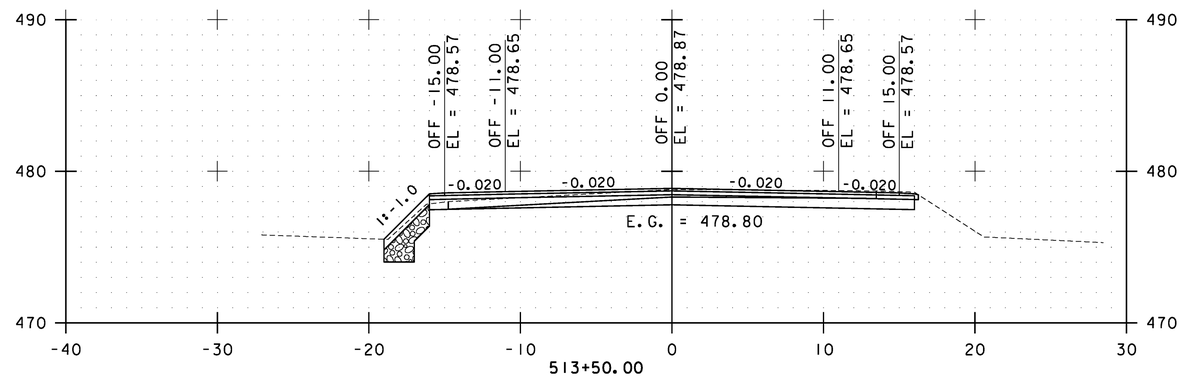
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs07.i

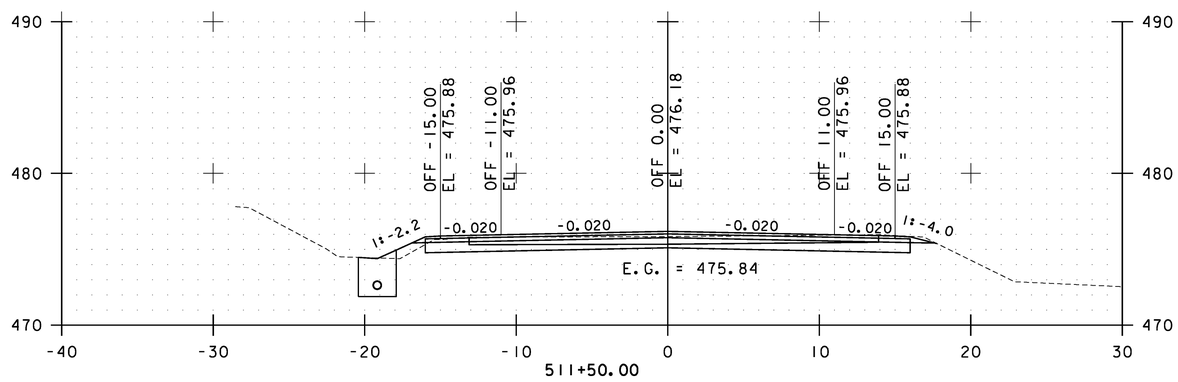
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 142 OF 387

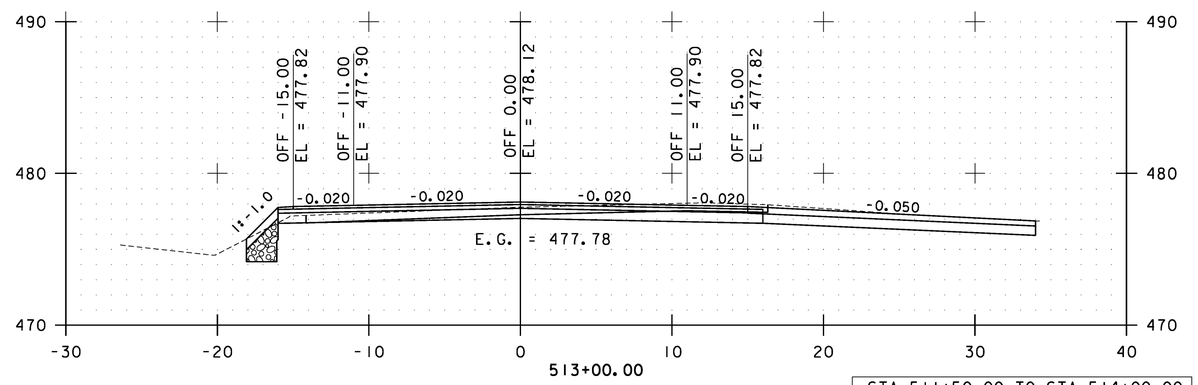












STA. 511+50.00 TO STA. 514+00.00

0 10 20
SCALE

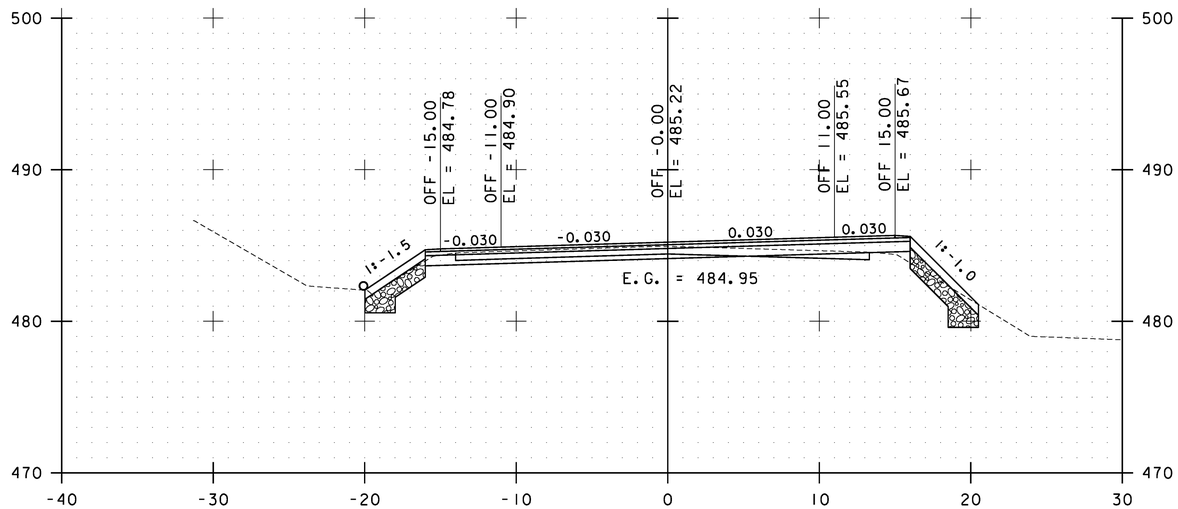
Stantec

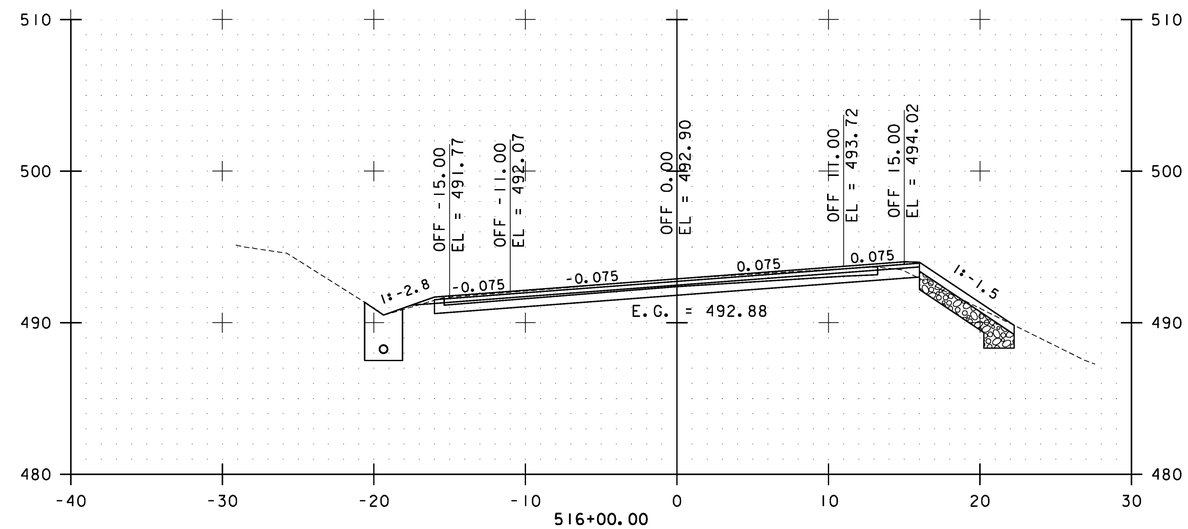
CAMBRIDGE CROSS SECTIONS SHEET #8

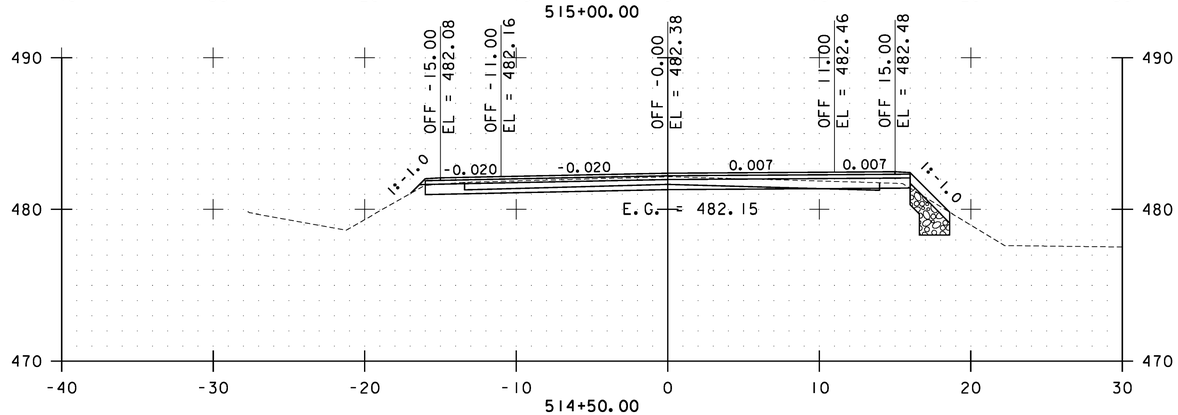
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

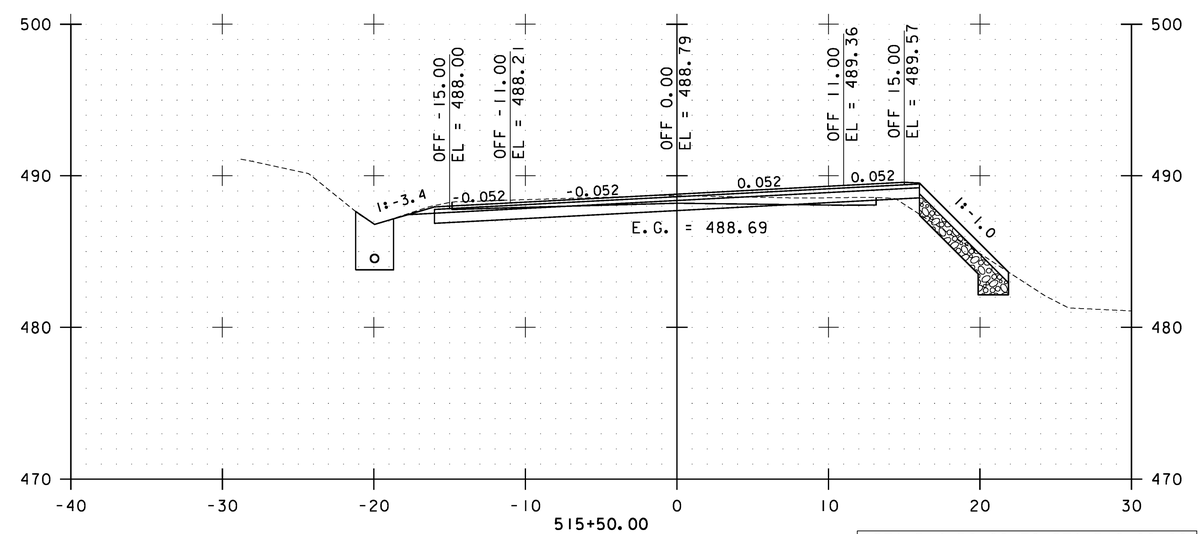
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs08.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 143 OF 387









STA. 514+50.00 TO STA. 516+00.00

0 10 20
SCALE

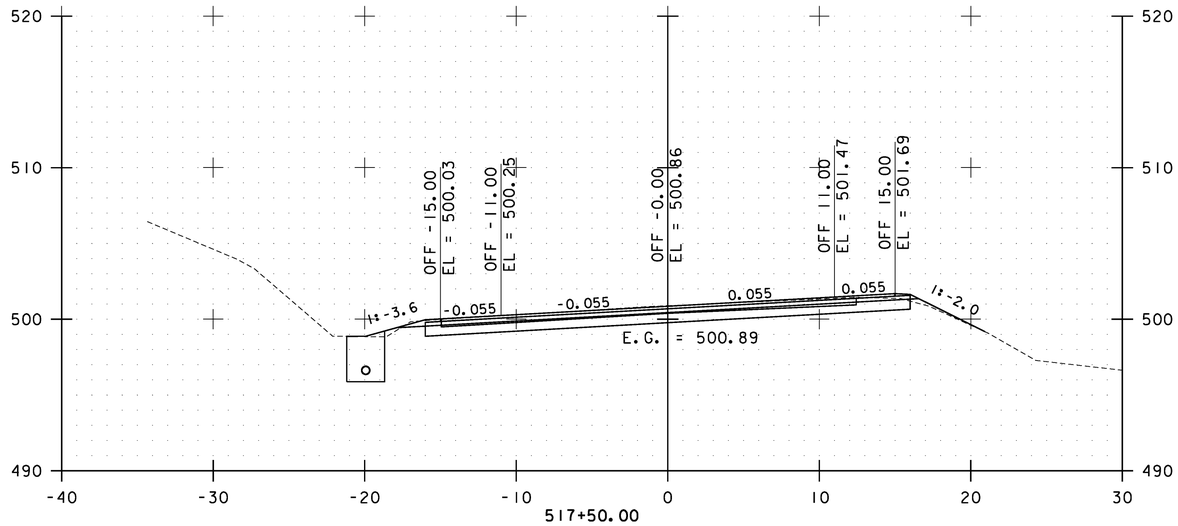
Stantec

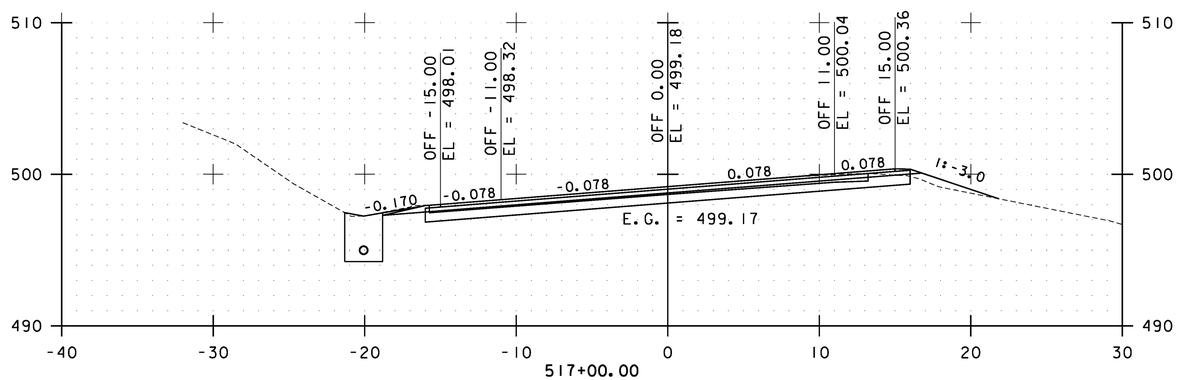
CAMBRIDGE CROSS SECTIONS SHEET #9

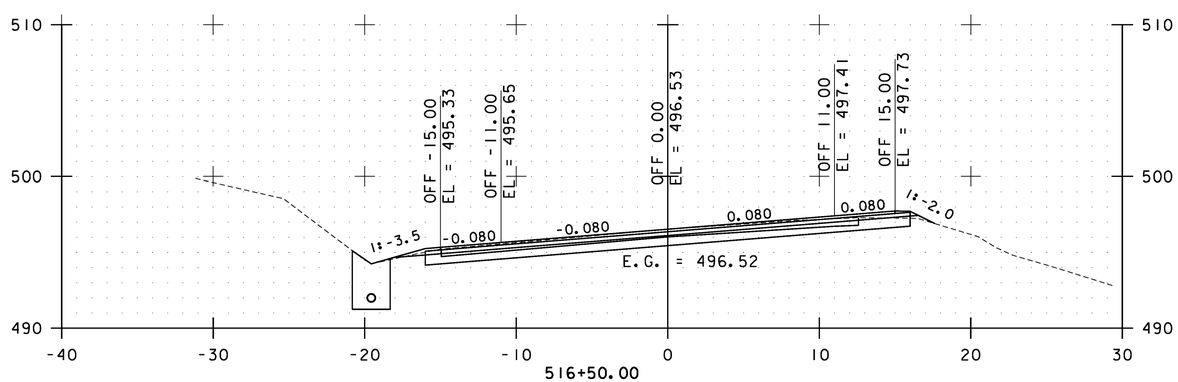
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

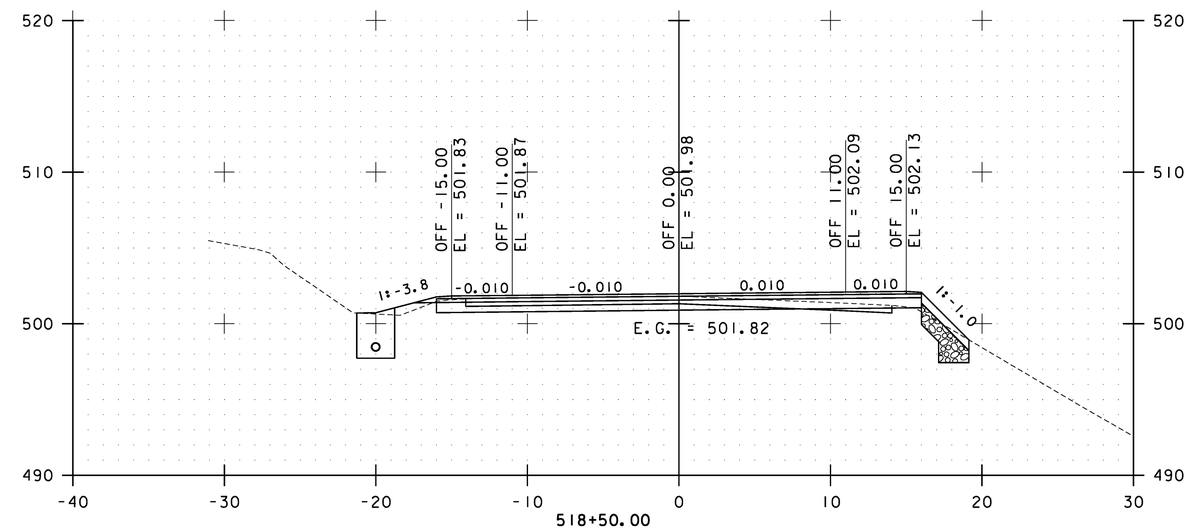
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs09.i

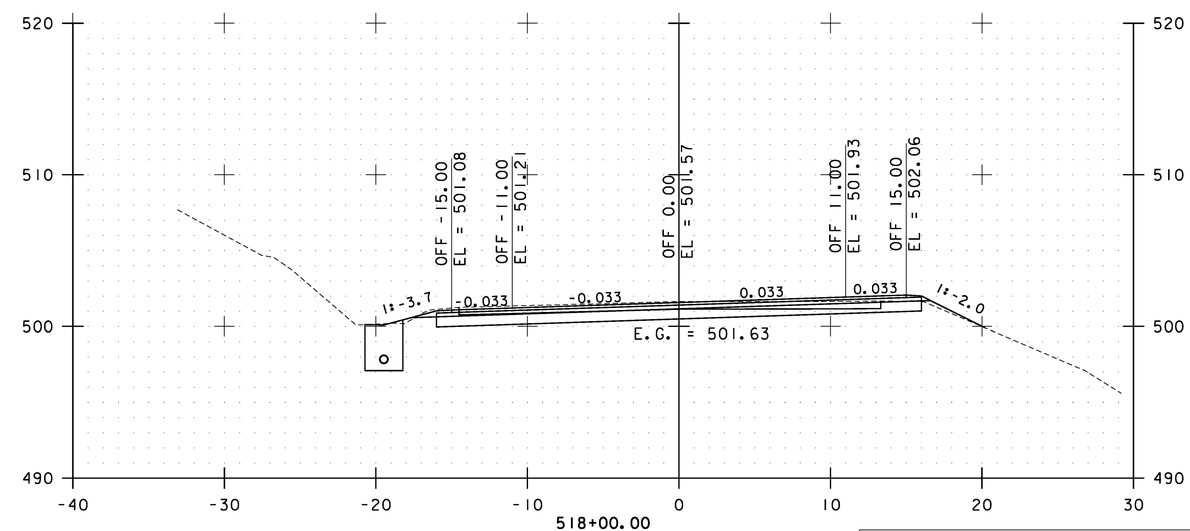
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 144 OF 387











STA. 516+50.00 TO STA. 518+50.00

0 10 20
SCALE

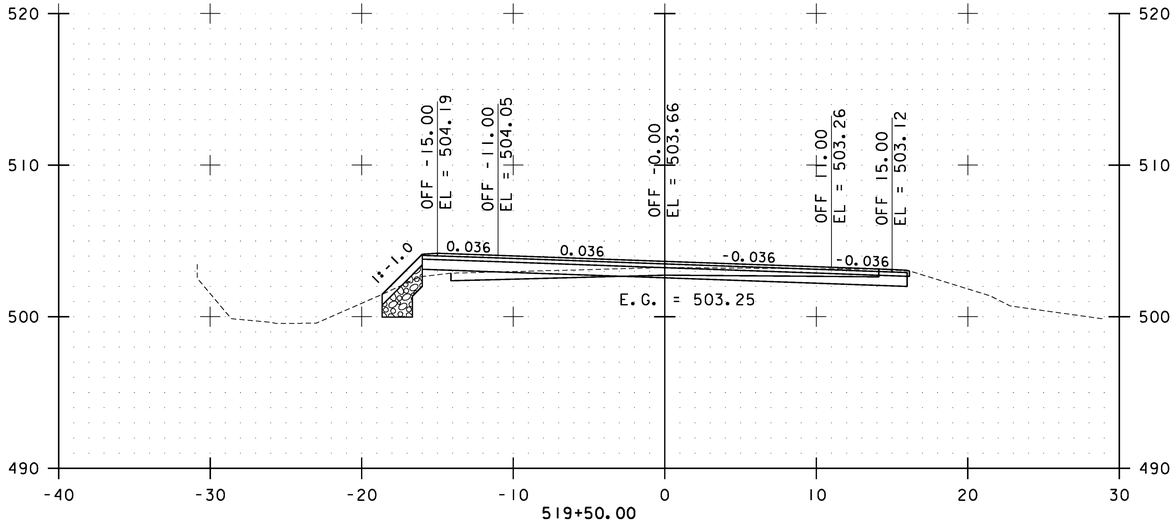
Stantec

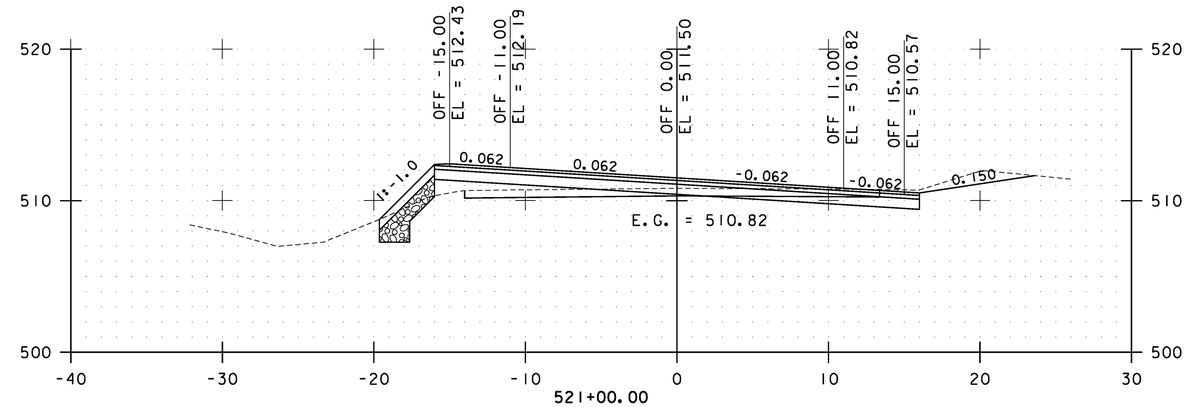
CAMBRIDGE CROSS SECTIONS SHEET #10

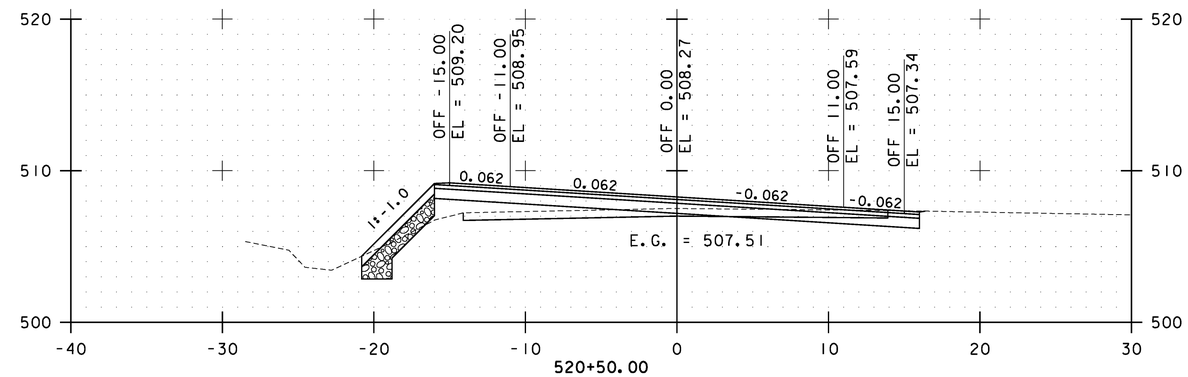
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

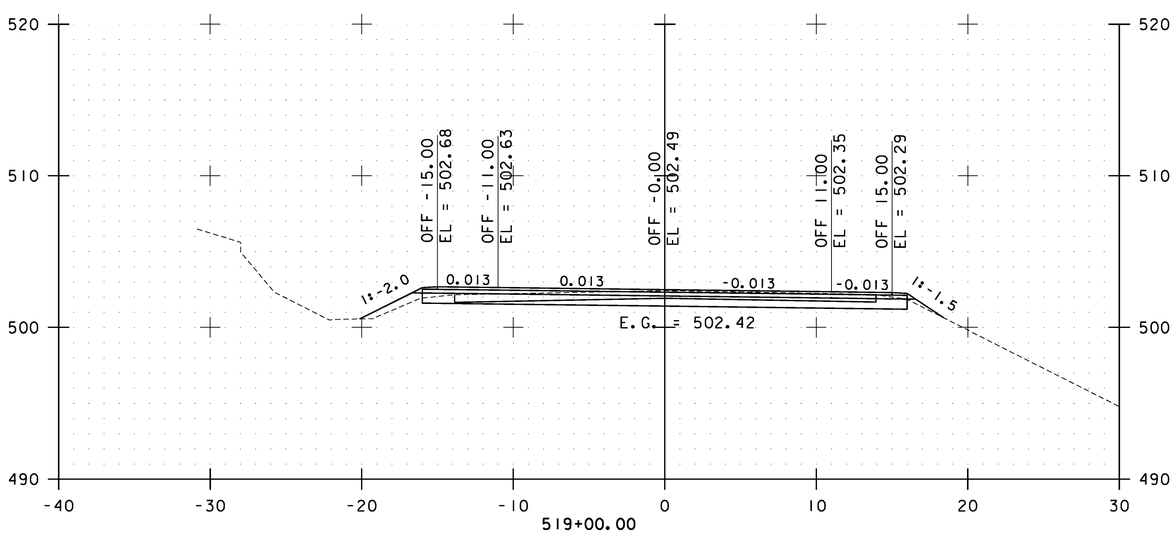
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs10.i

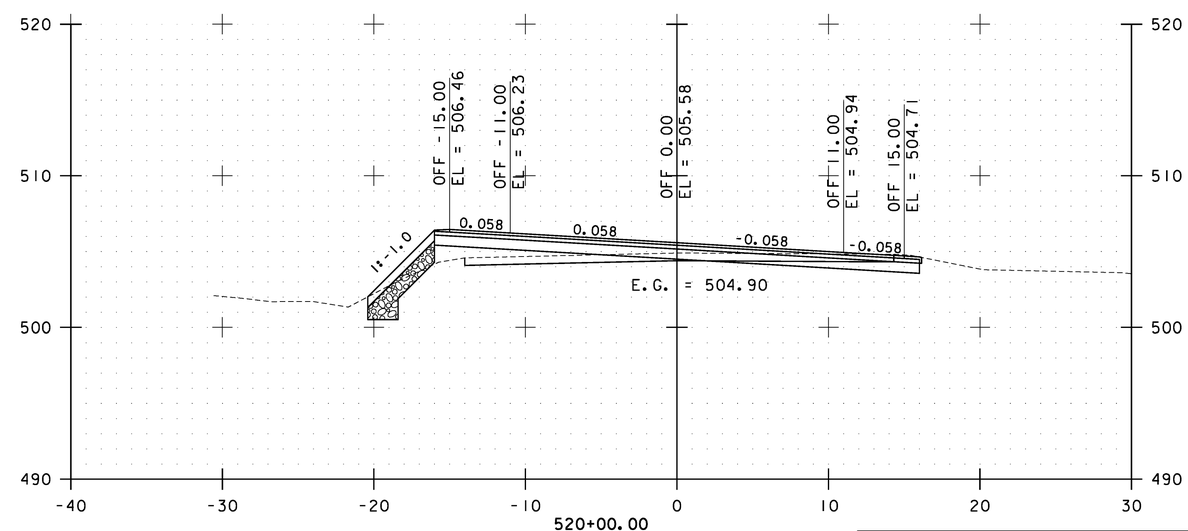
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 145 OF 387











STA. 519+00.00 TO STA. 521+00.00

0 10 20
SCALE

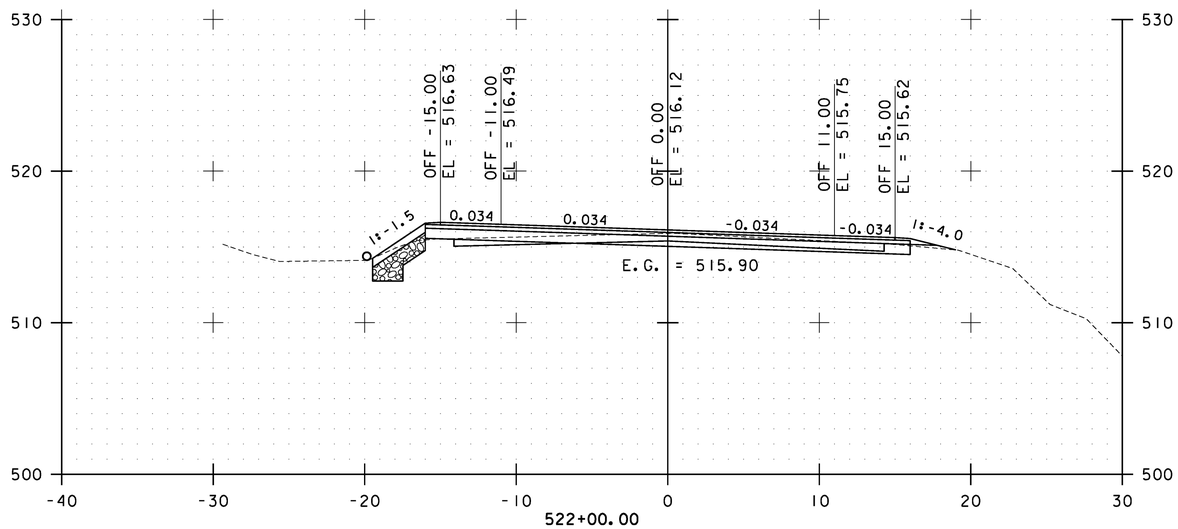
Stantec

CAMBRIDGE CROSS SECTIONS SHEET #11

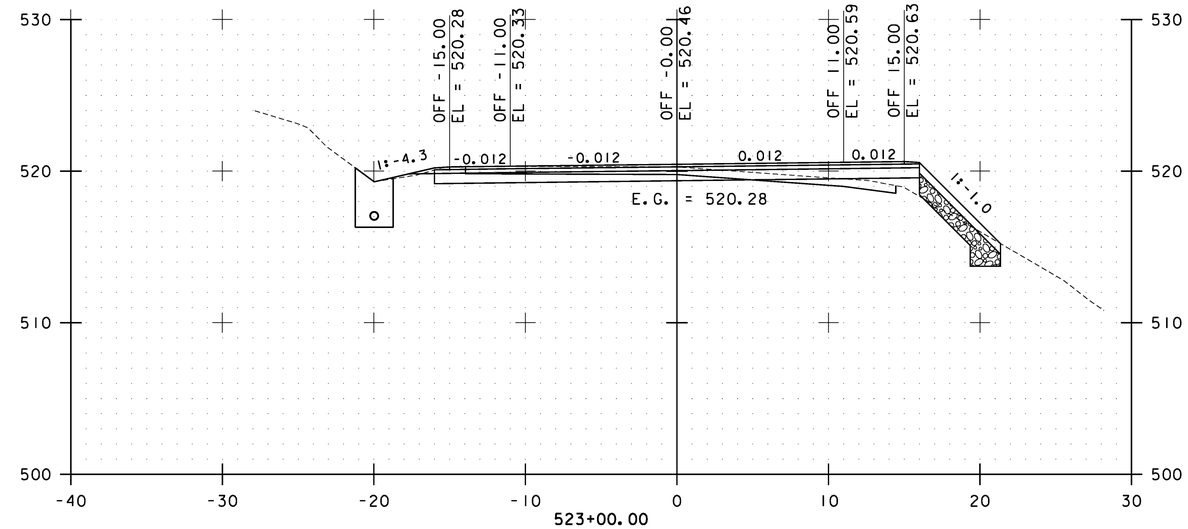
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs11.i

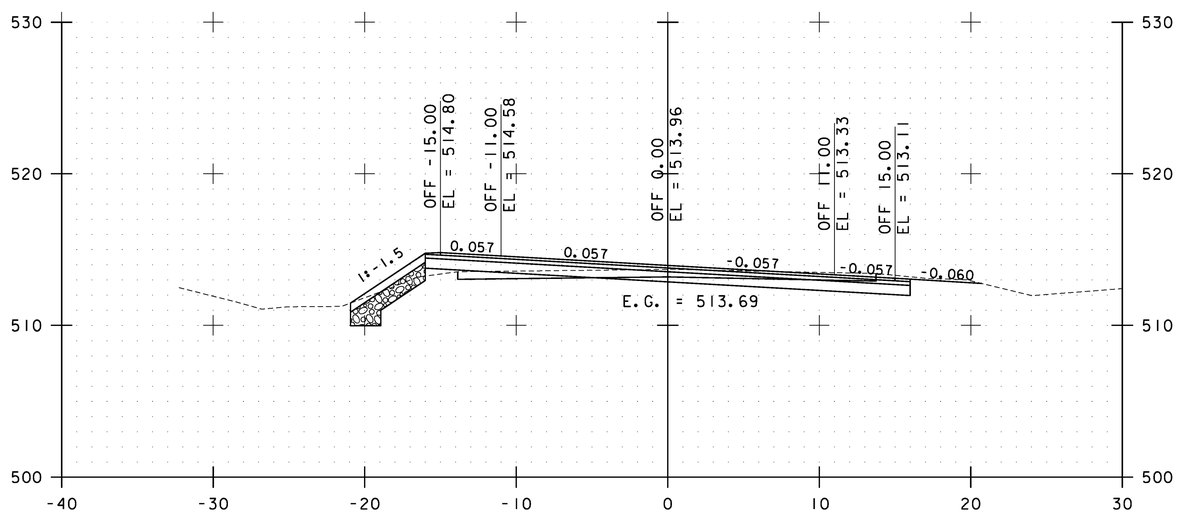
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 146 OF 387



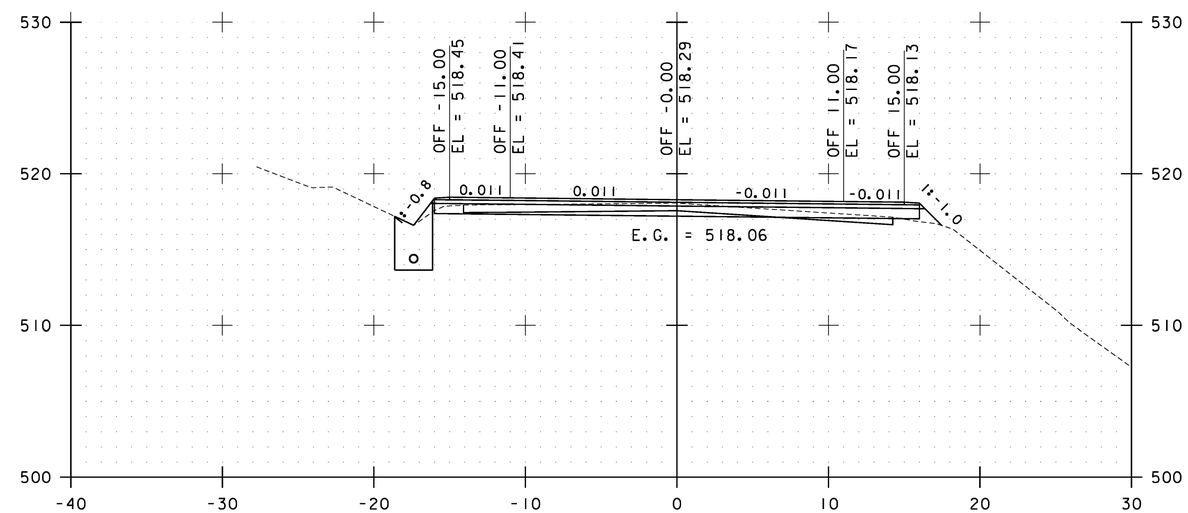
522+00.00



523+00.00



521+50.00



522+50.00

STA. 521+50.00 TO STA. 523+00.00

0 10 20
SCALE

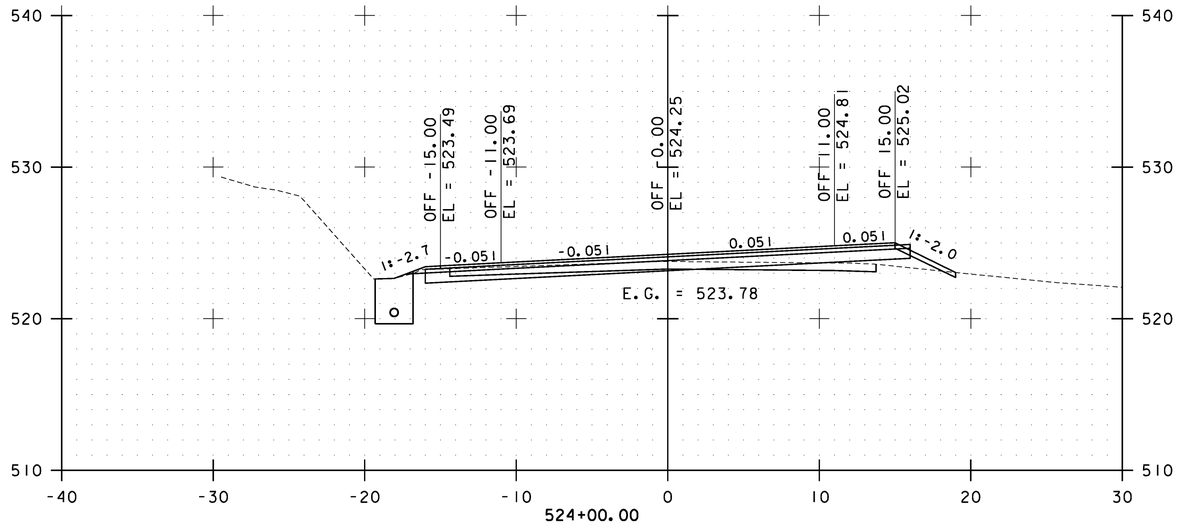
Stantec

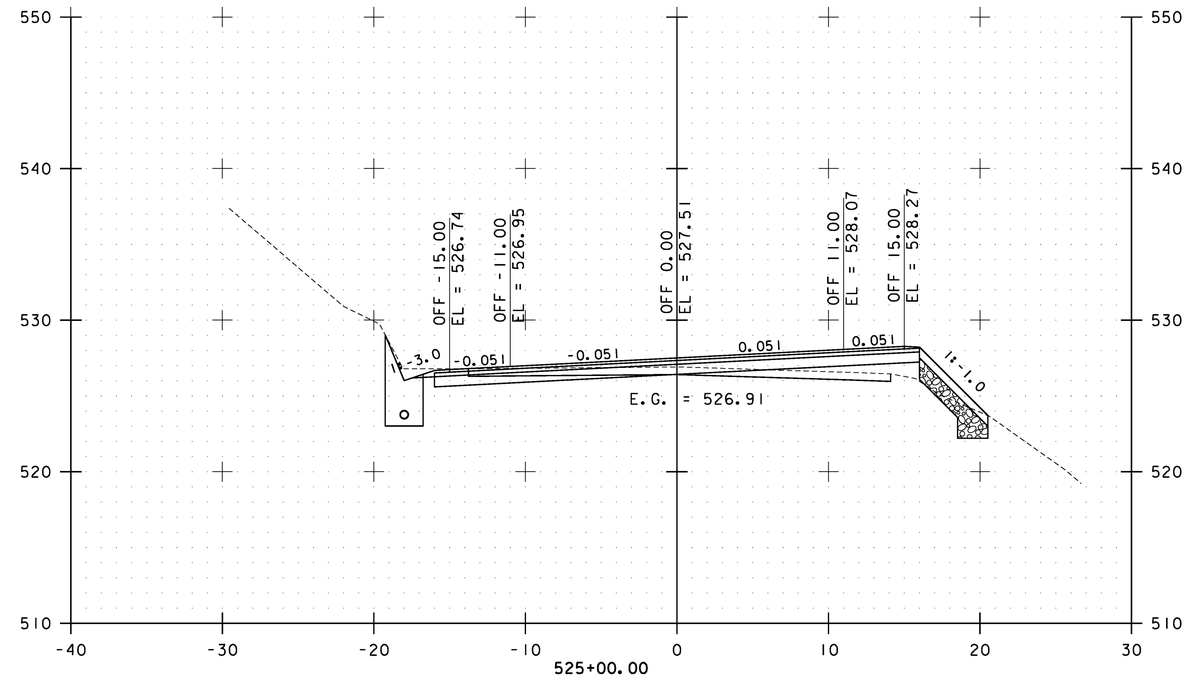
CAMBRIDGE CROSS SECTIONS SHEET #12

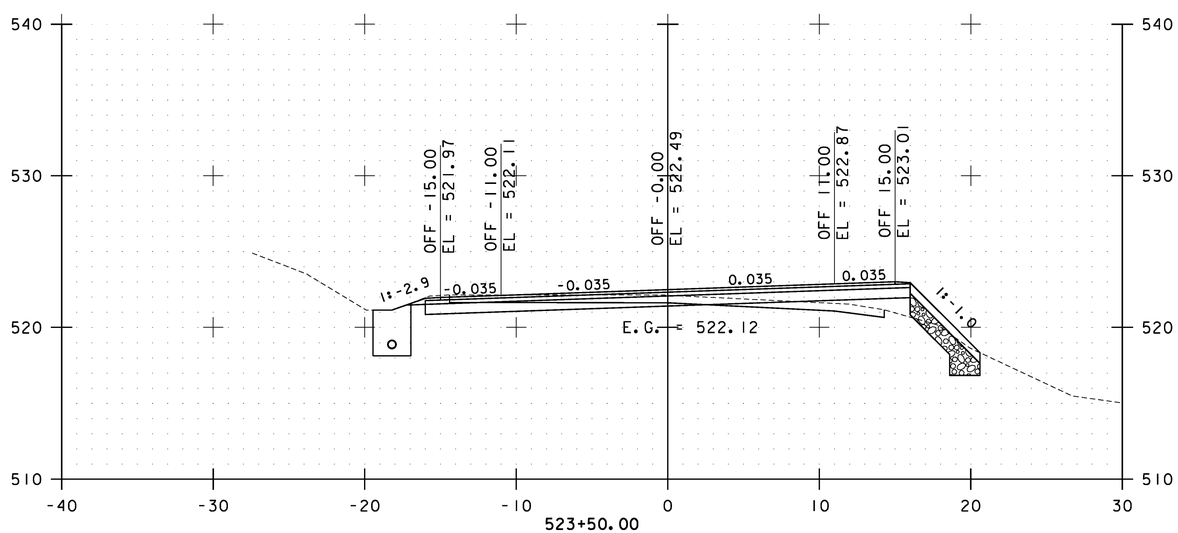
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

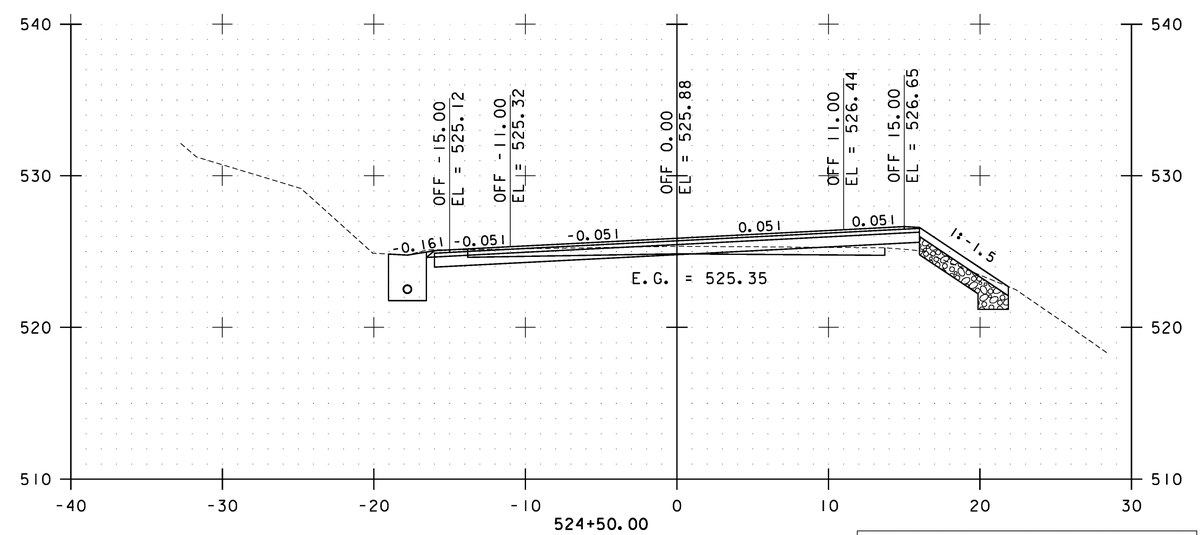
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs12.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 147 OF 387









STA. 523+50.00 TO STA. 525+00.00

0 10 20
SCALE

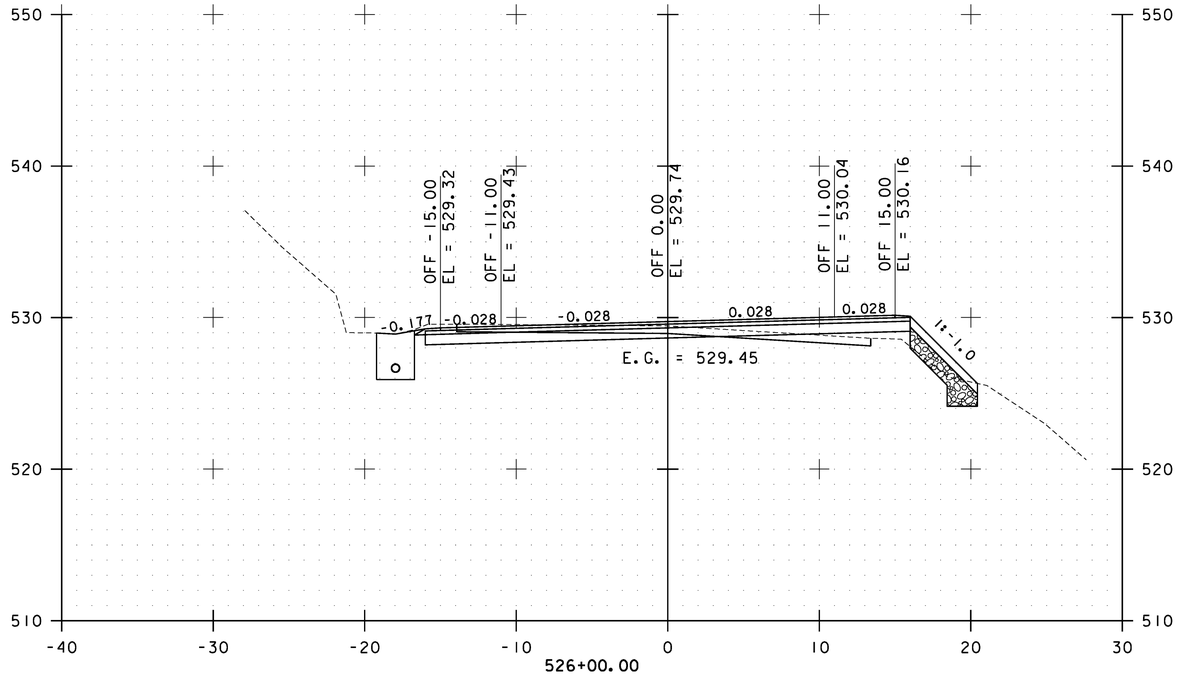
Stantec

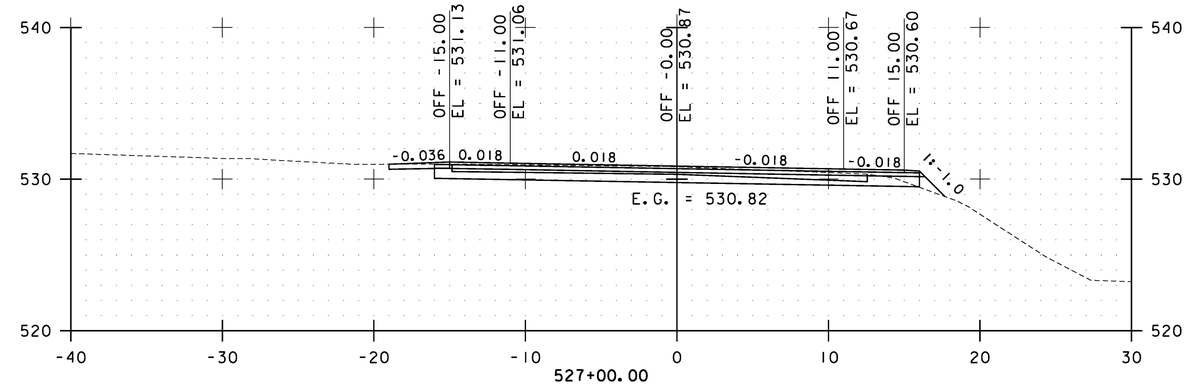
CAMBRIDGE CROSS SECTIONS SHEET #13

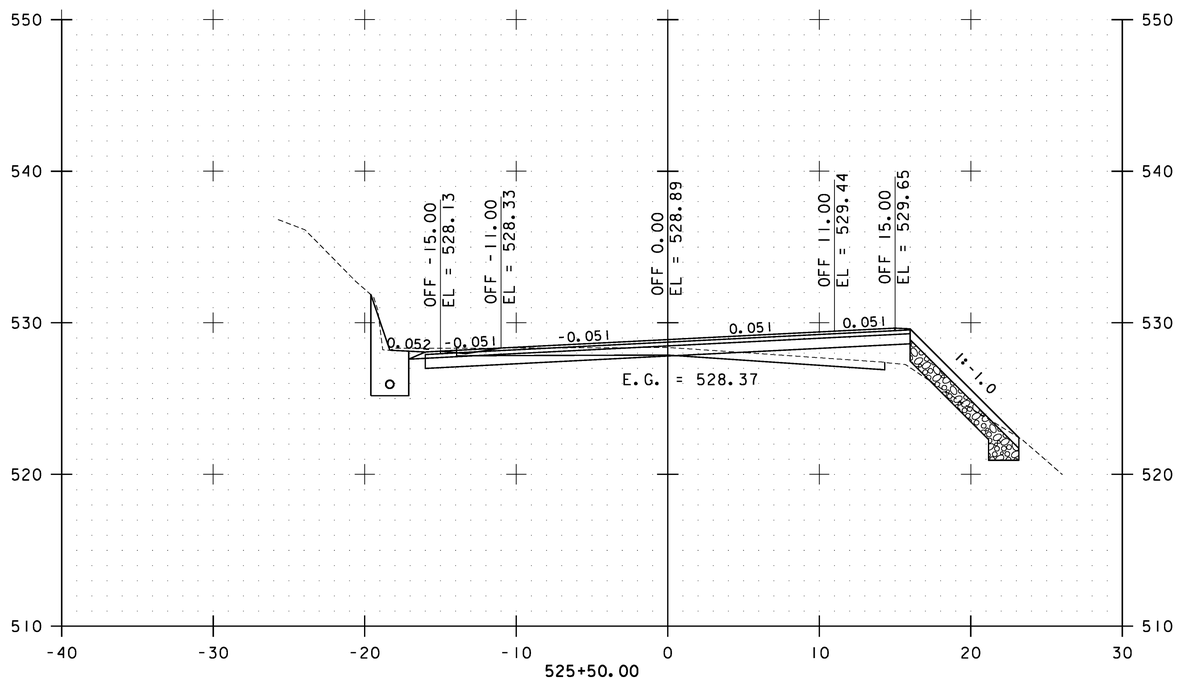
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

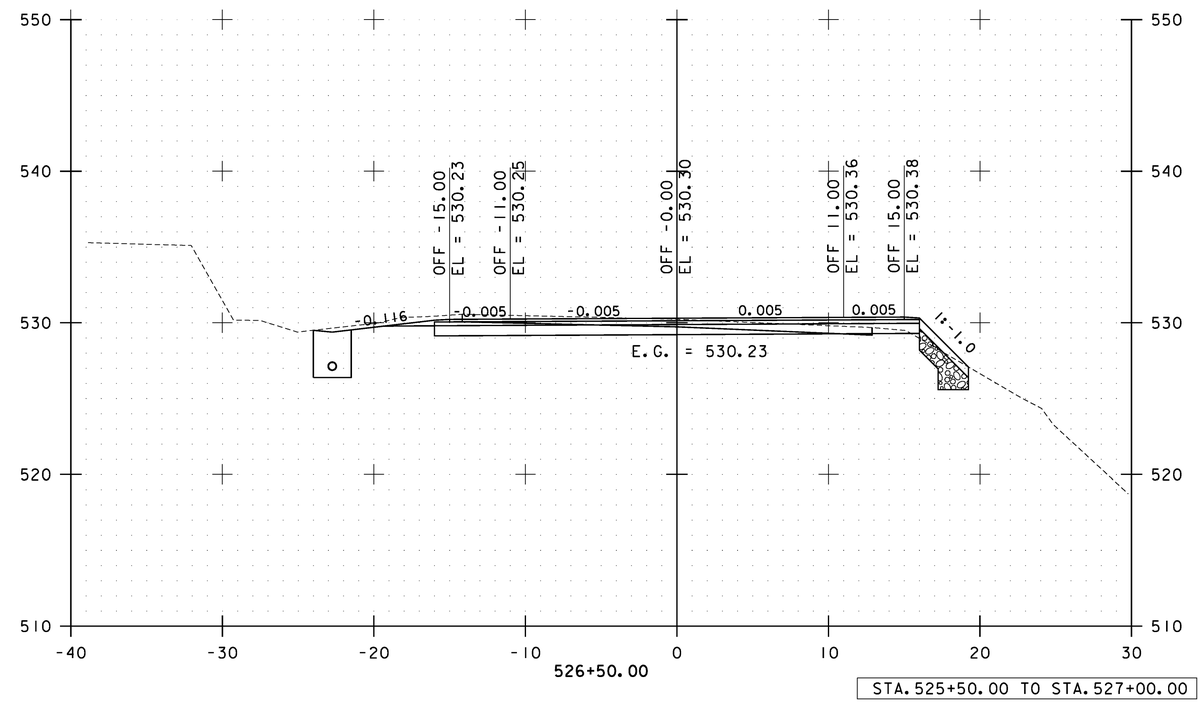
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs13.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 148 OF 387









STA. 525+50.00 TO STA. 527+00.00

0 10 20
SCALE

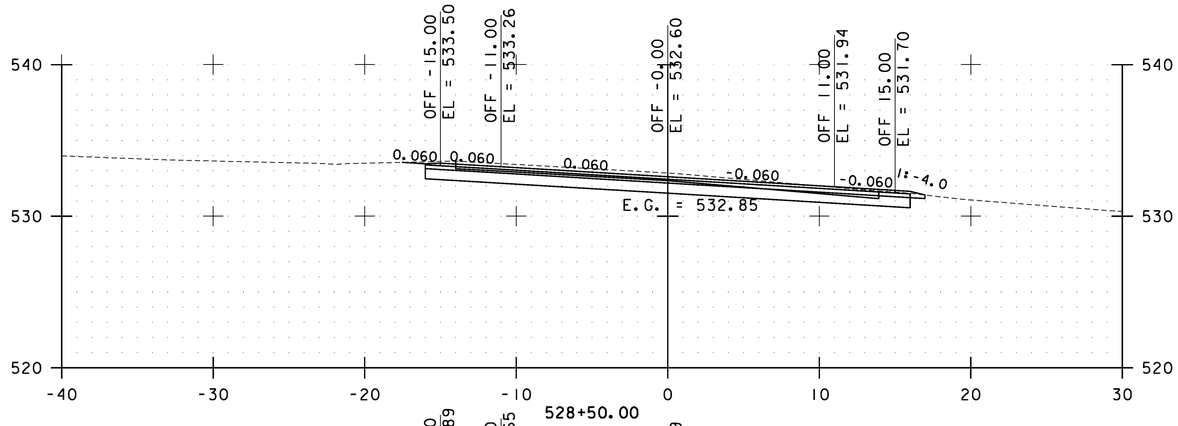
Stantec

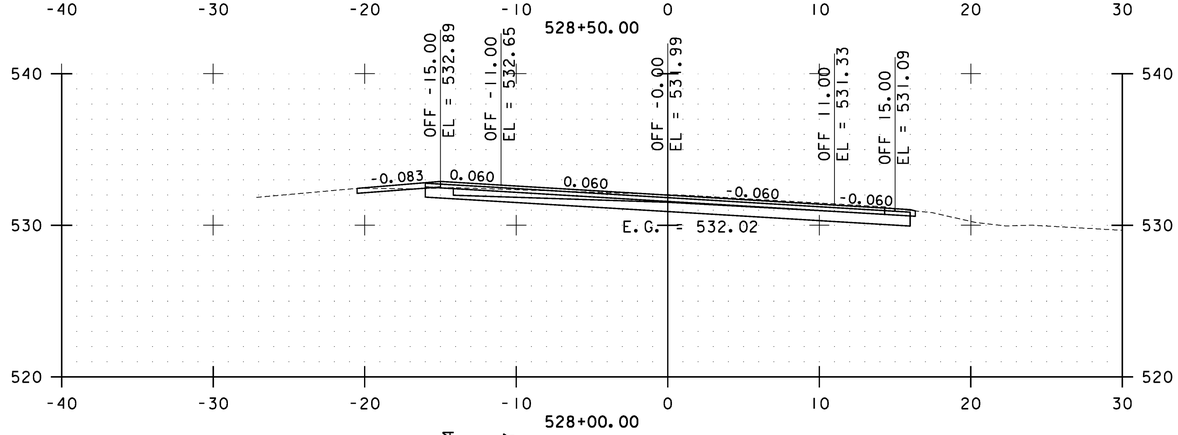
CAMBRIDGE CROSS SECTIONS SHEET #14

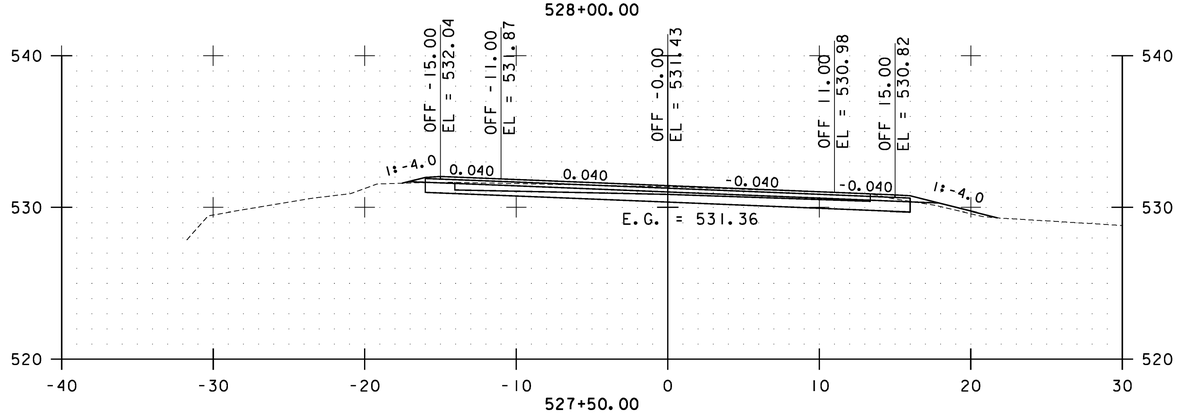
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

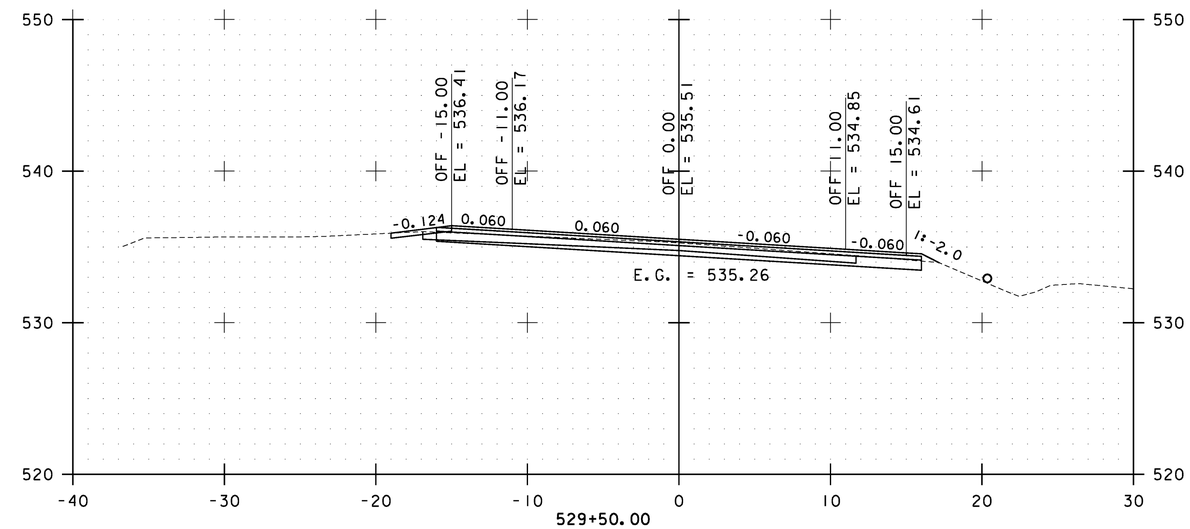
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs14.i

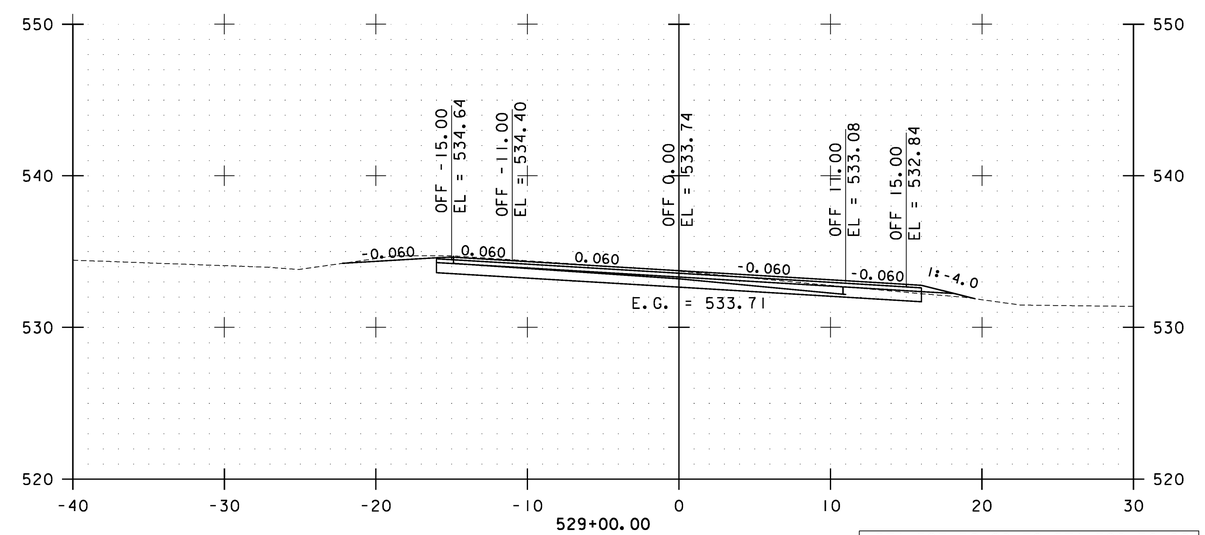
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 149 OF 387











STA. 527+50.00 TO STA. 529+50.00

0 10 20
SCALE

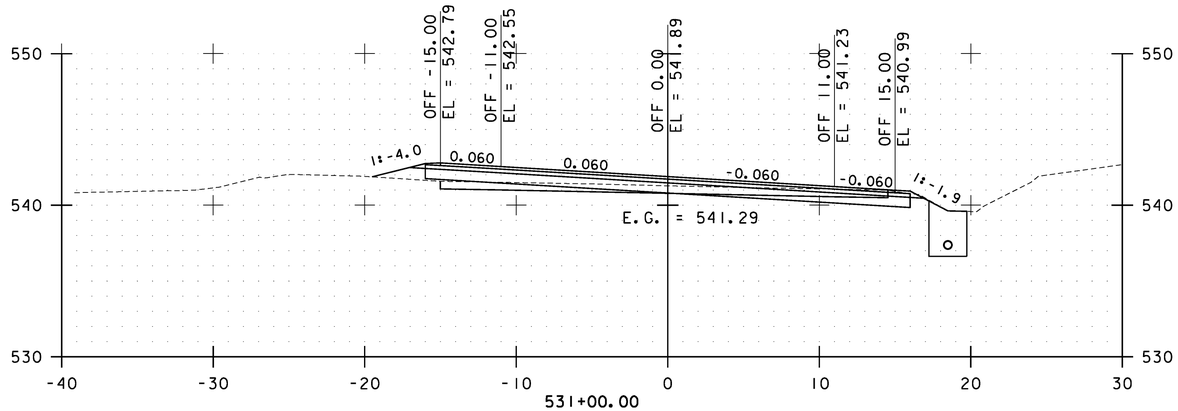
Stantec

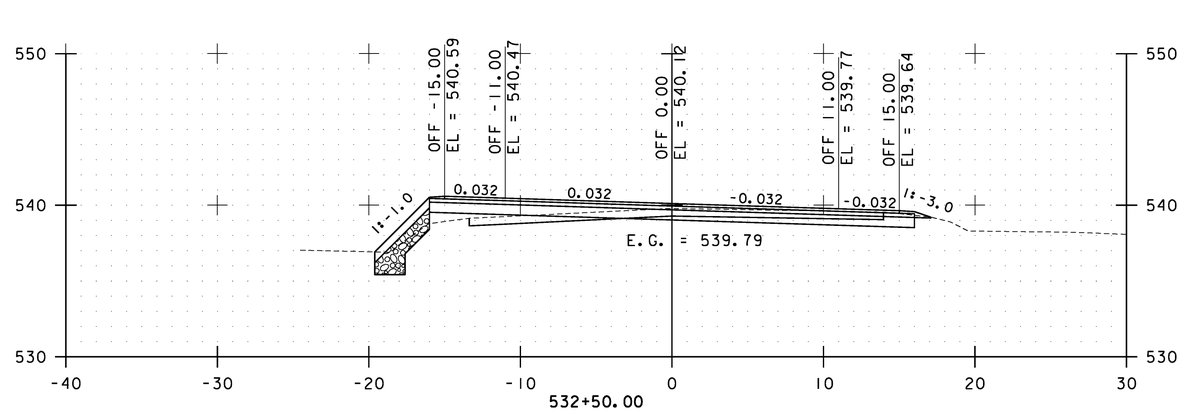
CAMBRIDGE CROSS SECTIONS SHEET #15

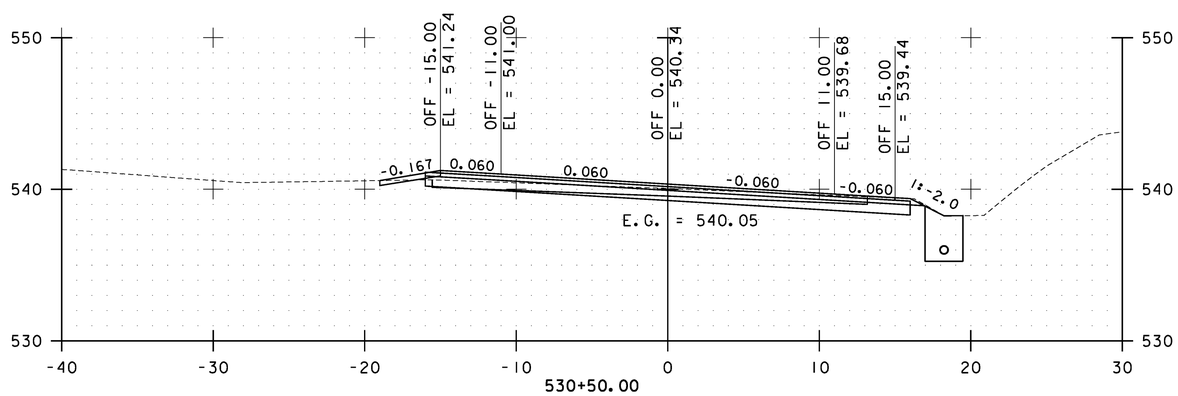
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

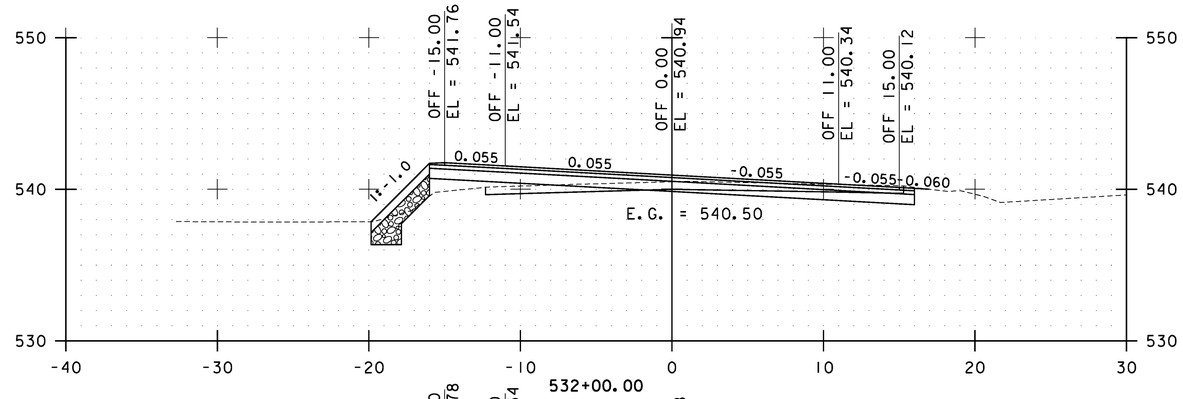
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs15.i

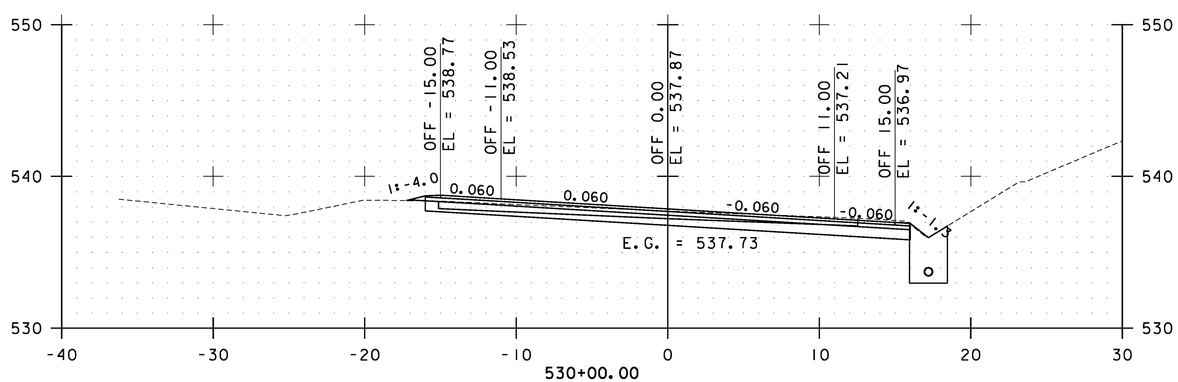
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 150 OF 387

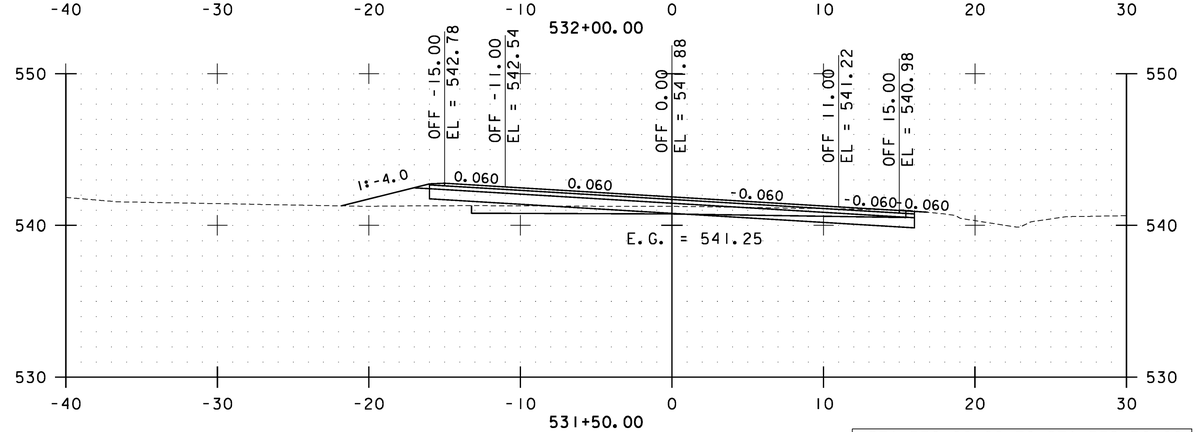












STA. 530+00.00 TO STA. 532+50.00

0 10 20
SCALE

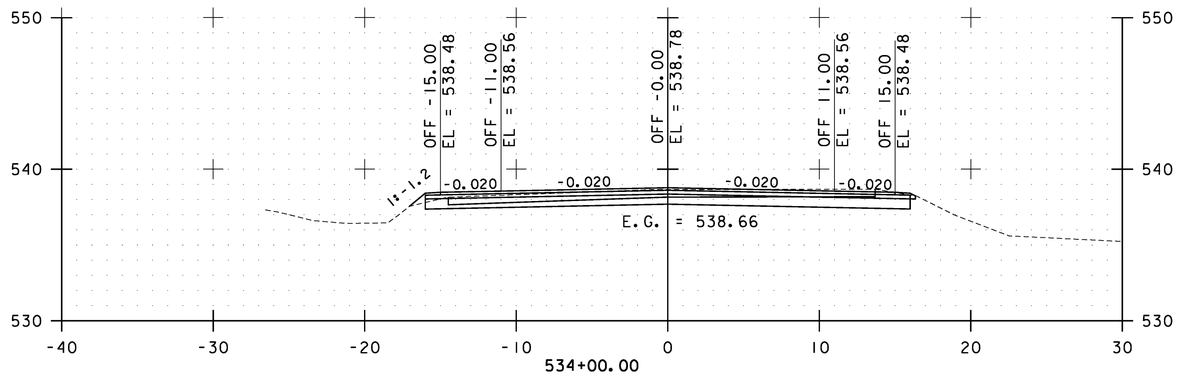
Stantec

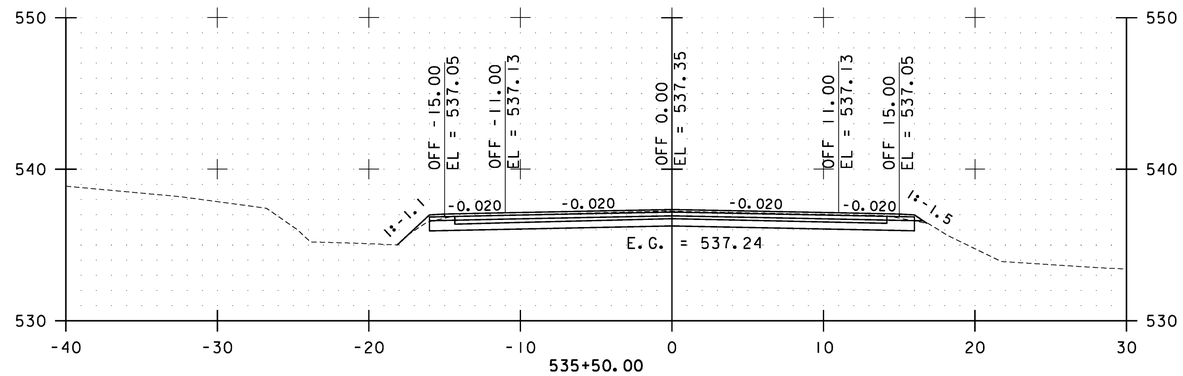
CAMBRIDGE CROSS SECTIONS SHEET #16

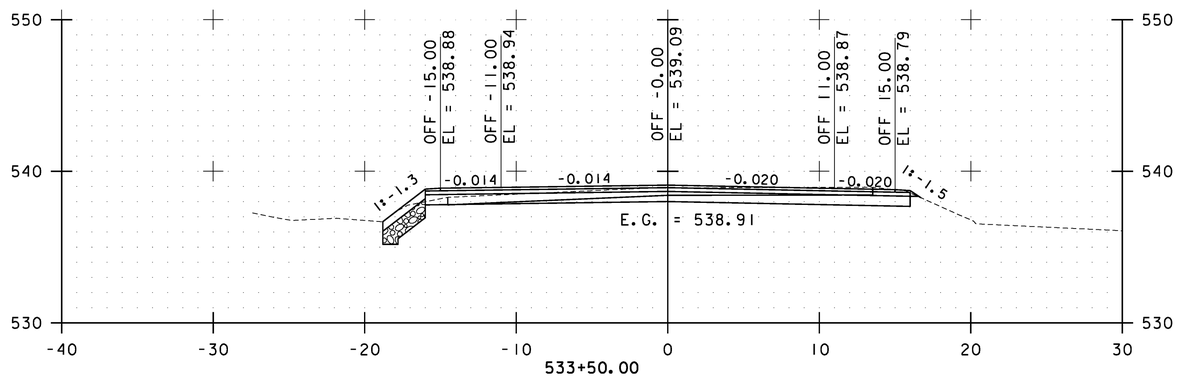
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

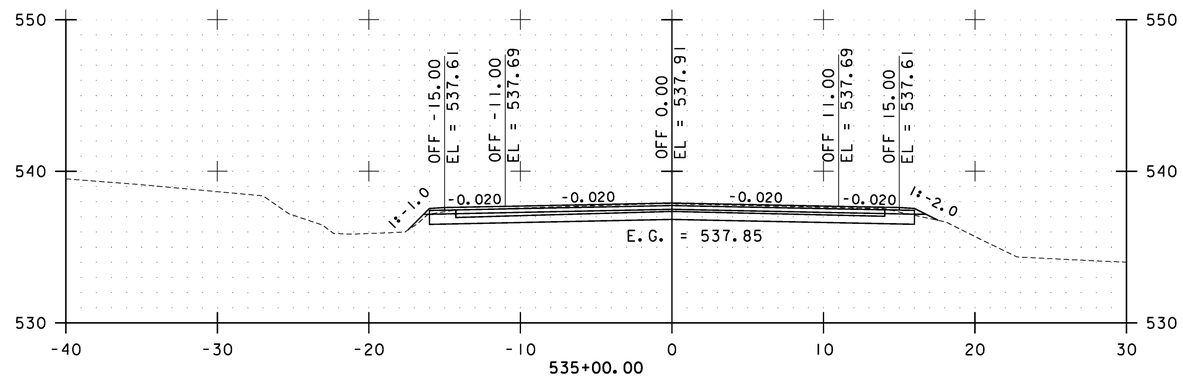
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs16.i

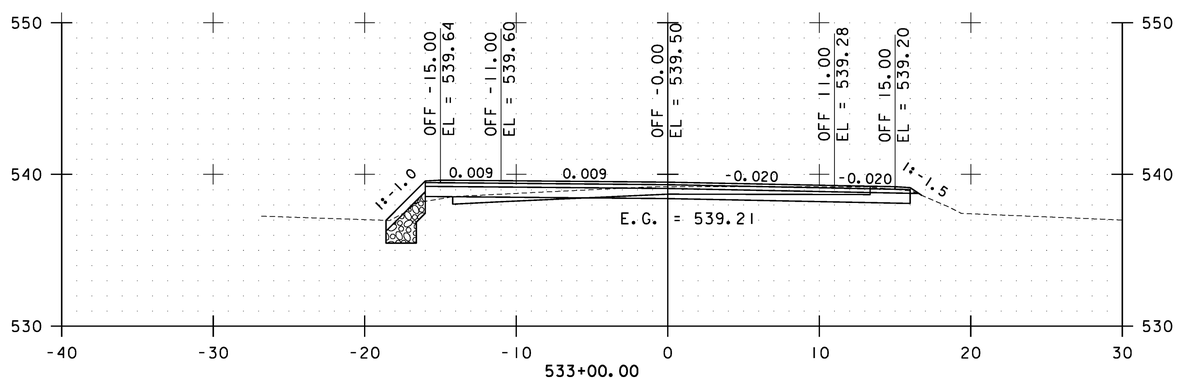
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 151 OF 387

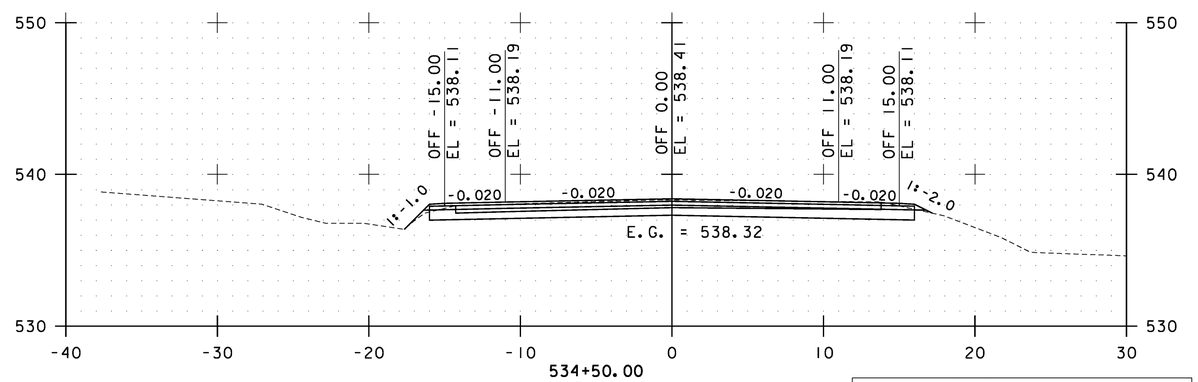












STA. 533+00.00 TO STA. 535+50.00

0 10 20
SCALE

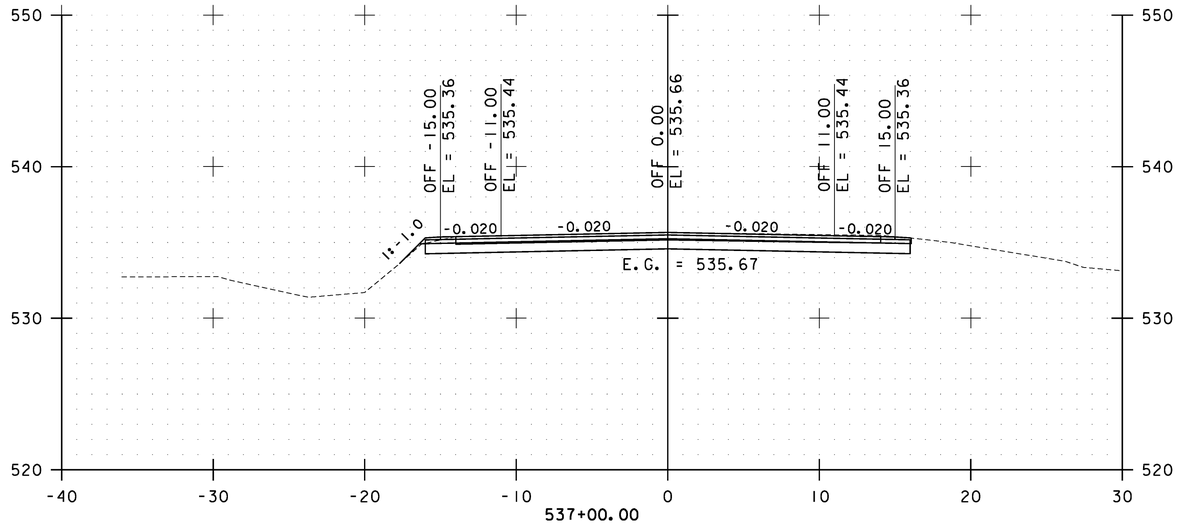
Stantec

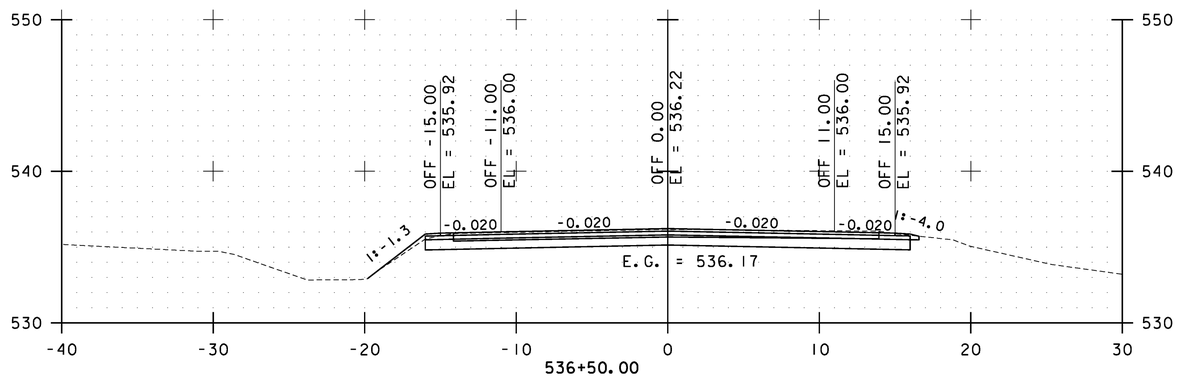
CAMBRIDGE CROSS SECTIONS SHEET #17

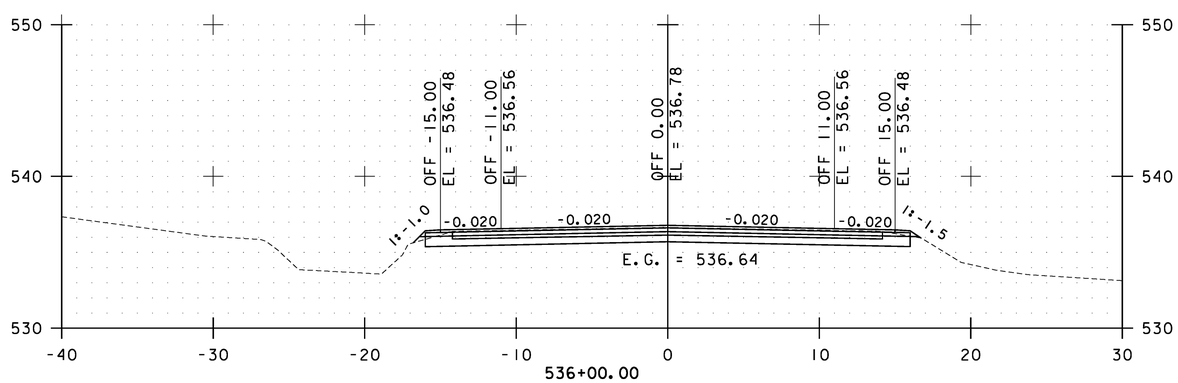
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

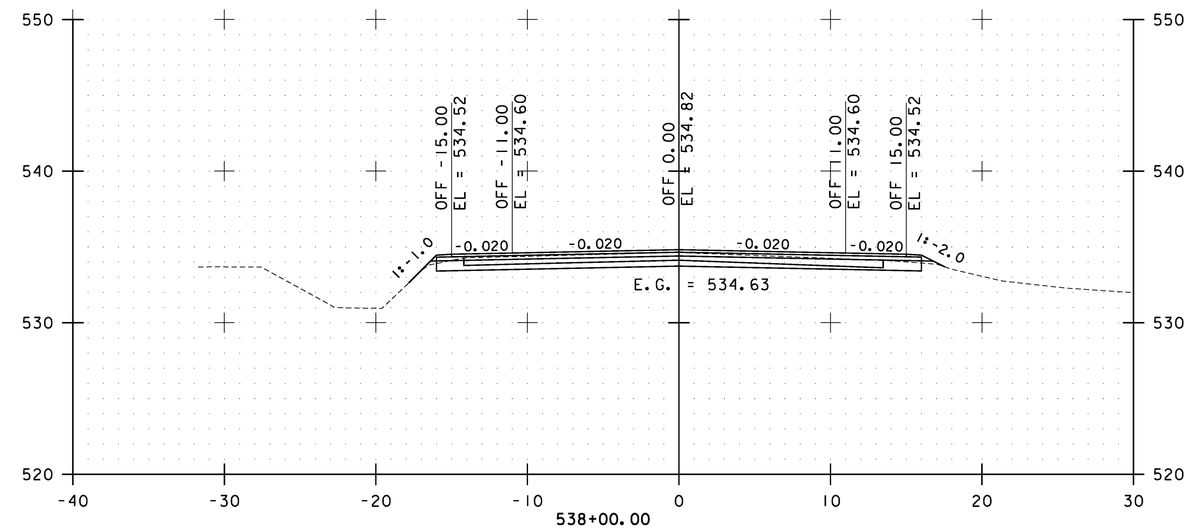
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs17.i

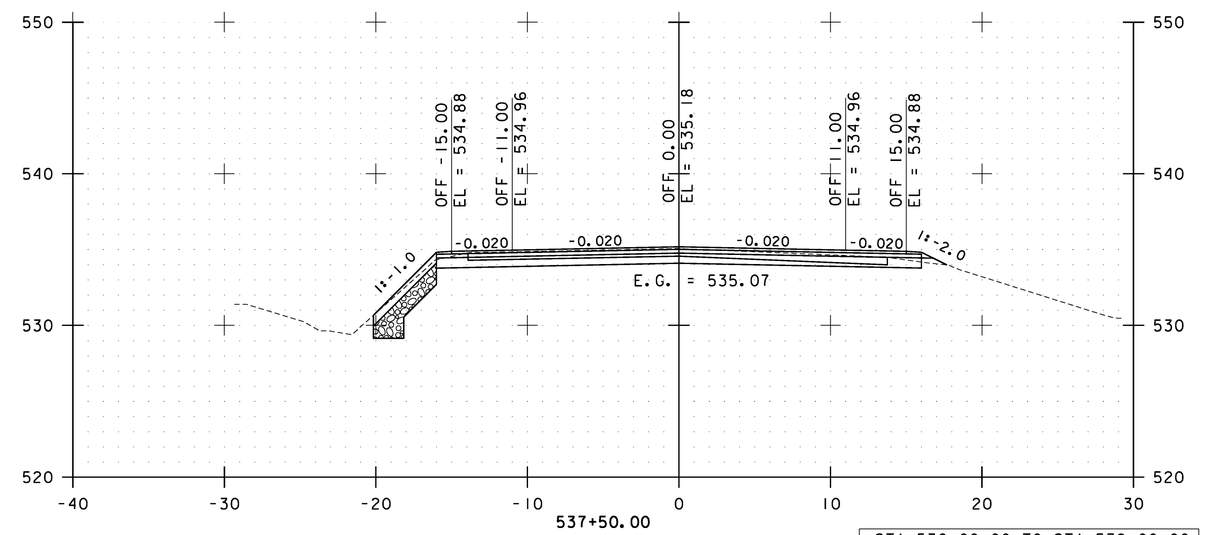
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 152 OF 387











STA. 536+00.00 TO STA. 538+00.00

0 10 20
SCALE

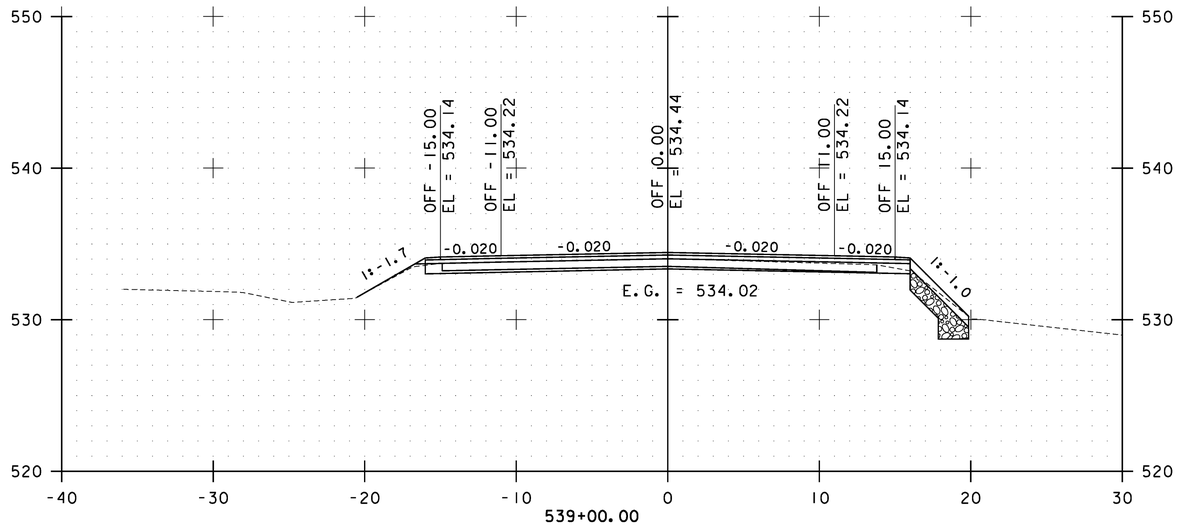
Stantec

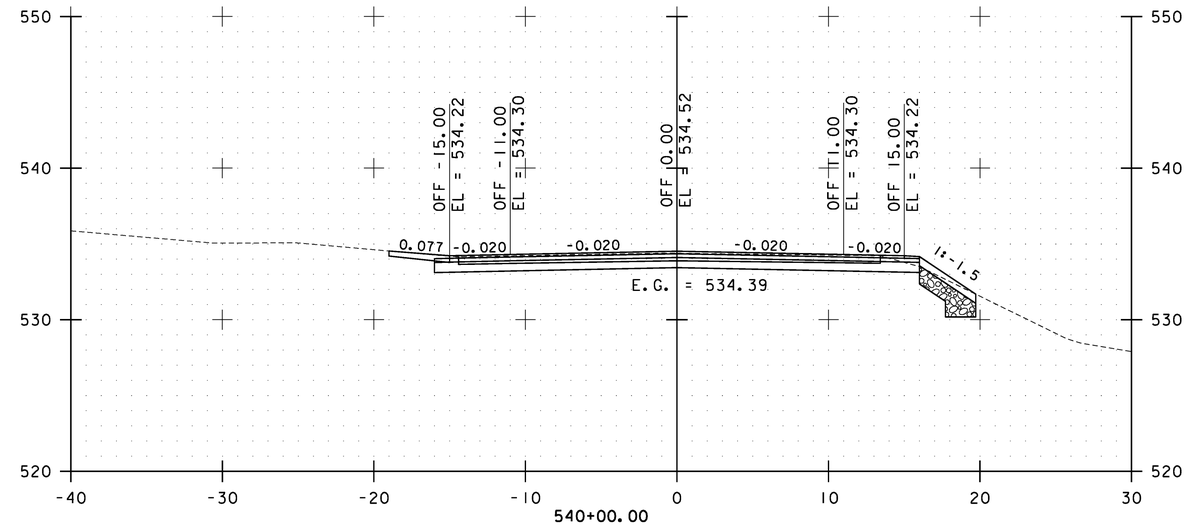
CAMBRIDGE CROSS SECTIONS SHEET #18

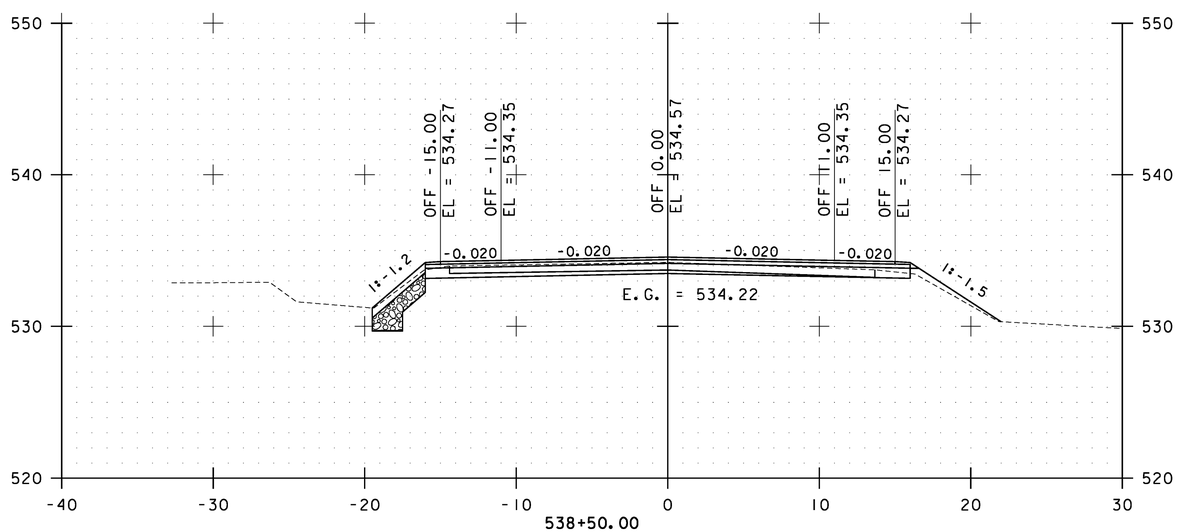
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

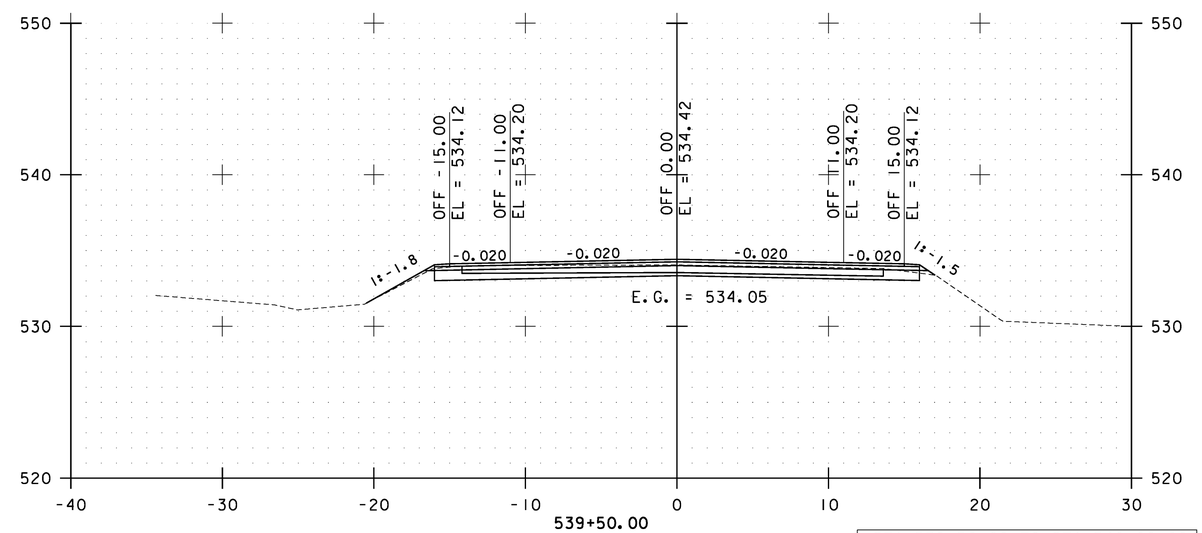
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs18.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 153 OF 387









STA. 538+50.00 TO STA. 540+00.00

0 10 20
SCALE

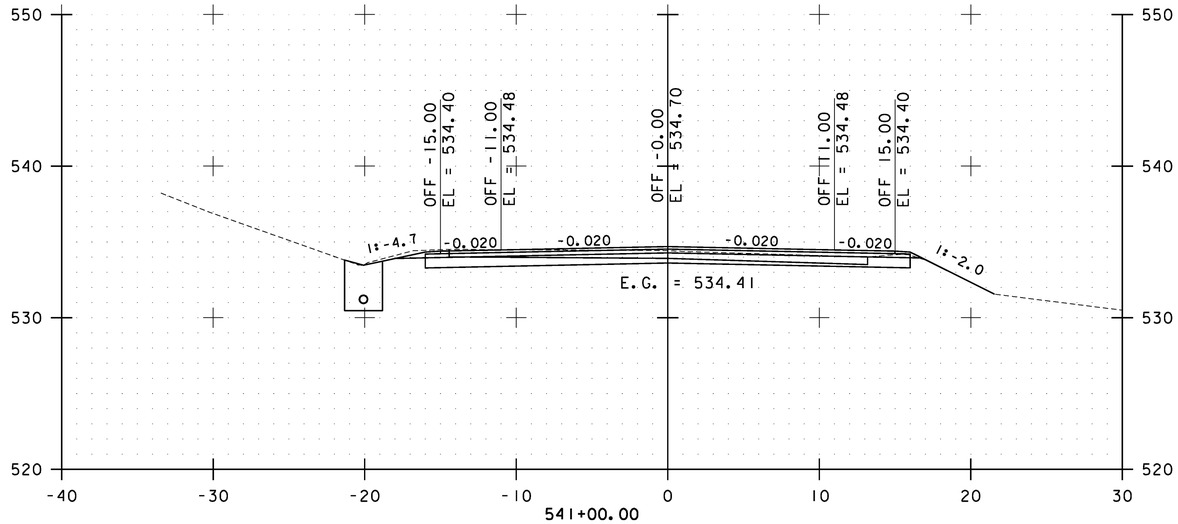
Stantec

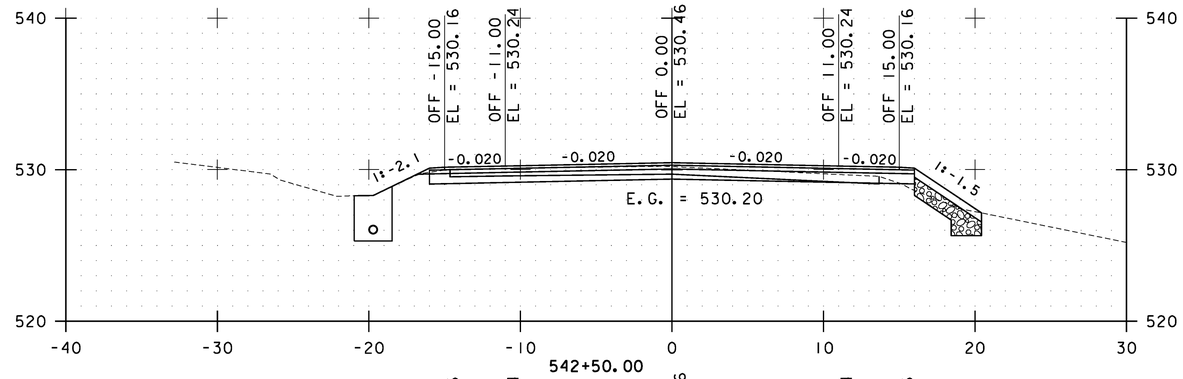
CAMBRIDGE CROSS SECTIONS SHEET #19

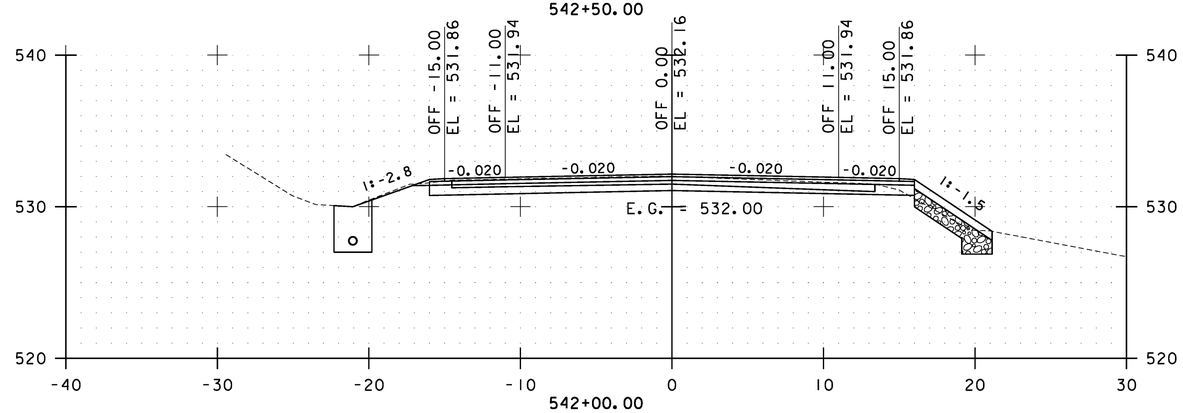
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

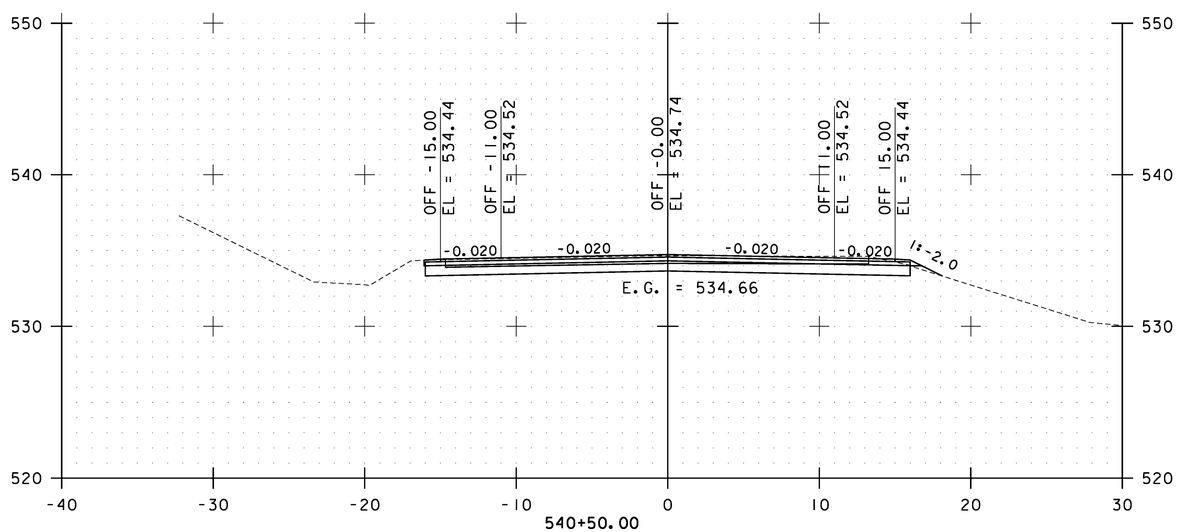
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs19.i

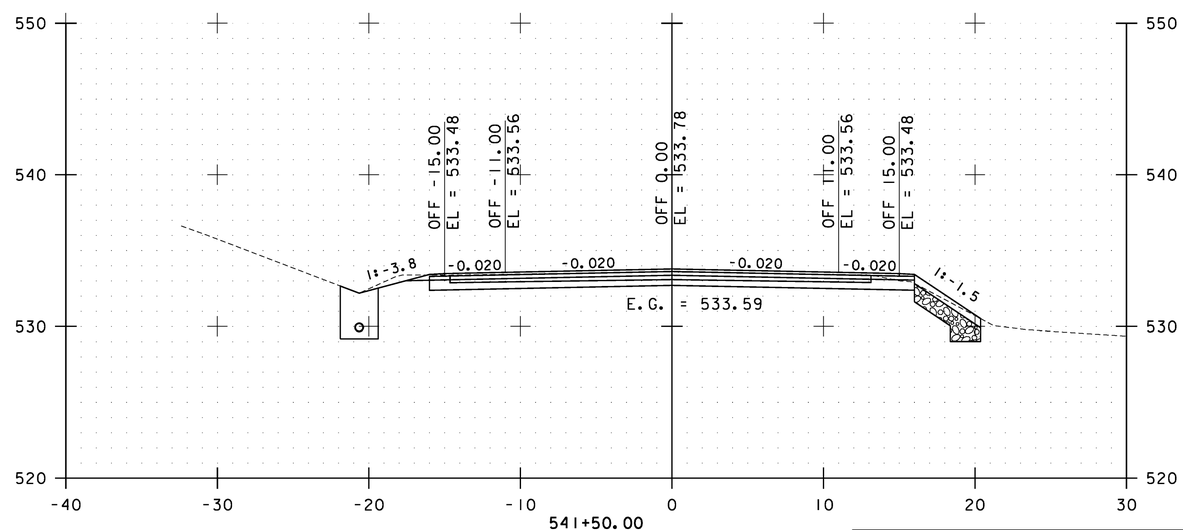
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 154 OF 387











STA. 540+50.00 TO STA. 542+50.00

0 10 20
SCALE

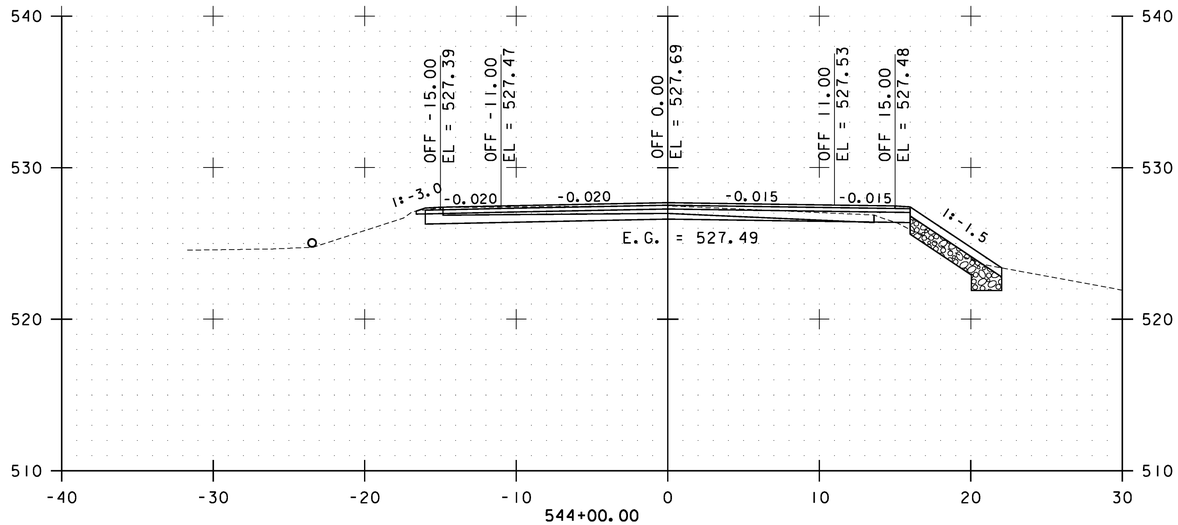
Stantec

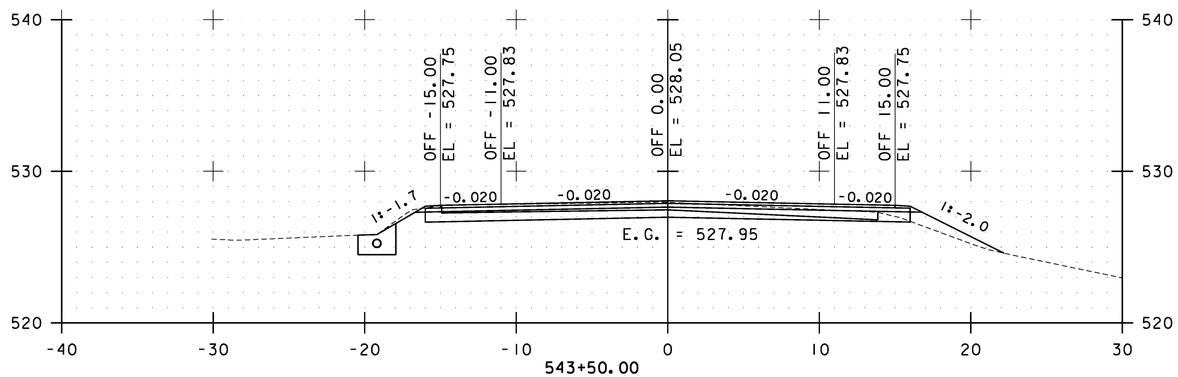
CAMBRIDGE CROSS SECTIONS SHEET #20

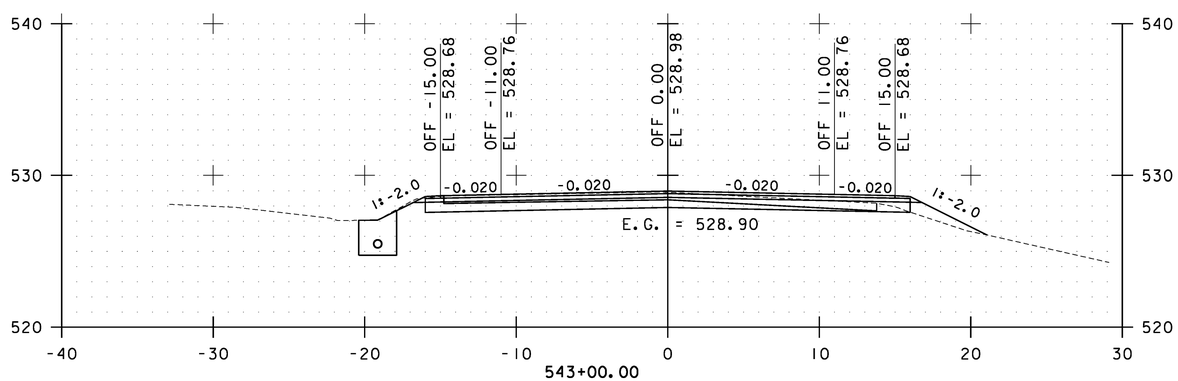
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

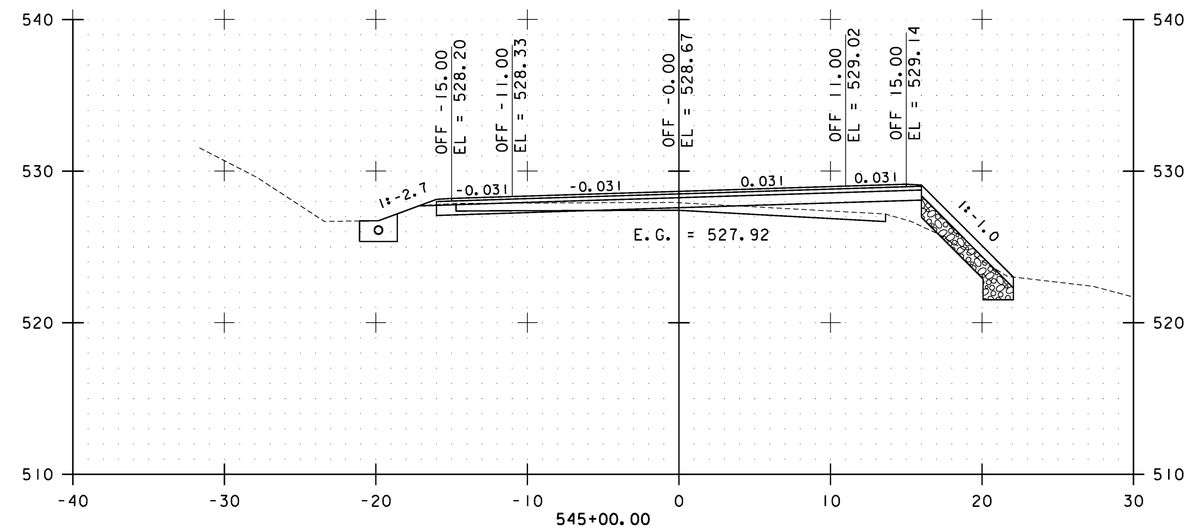
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs20.i

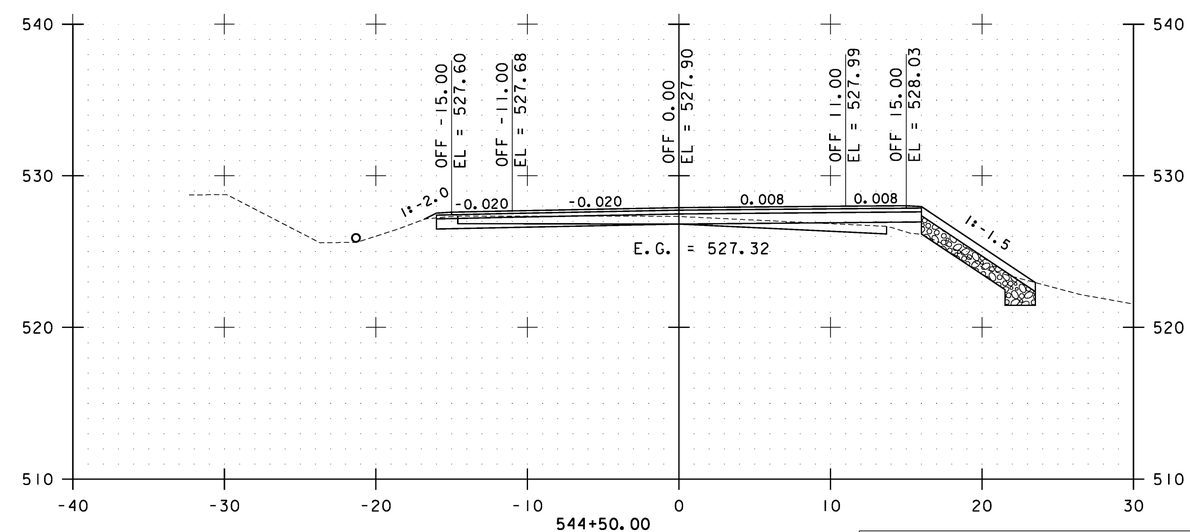
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 155 OF 387











STA. 543+00.00 TO STA. 545+00.00

0 10 20
SCALE

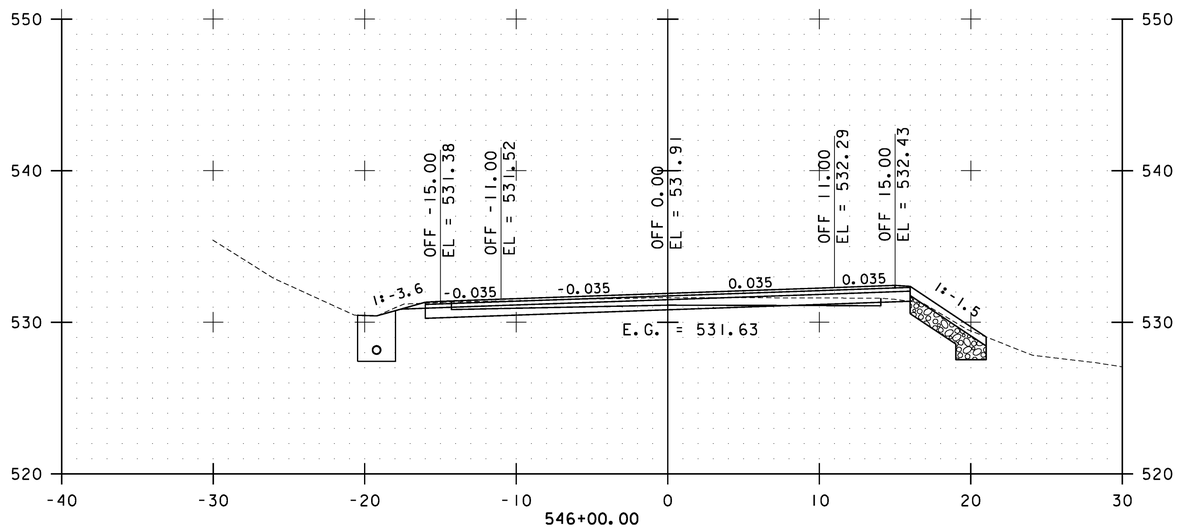
Stantec

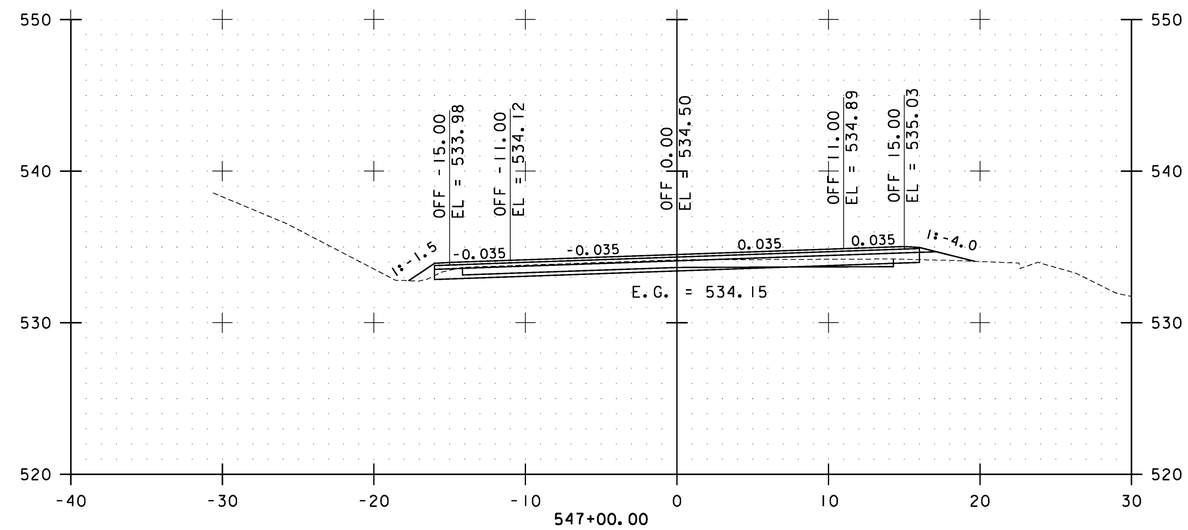
CAMBRIDGE CROSS SECTIONS SHEET #21

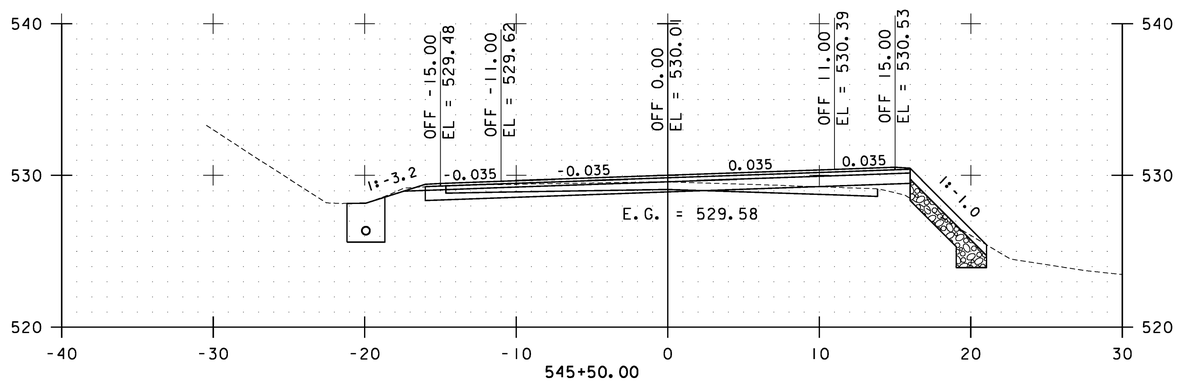
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

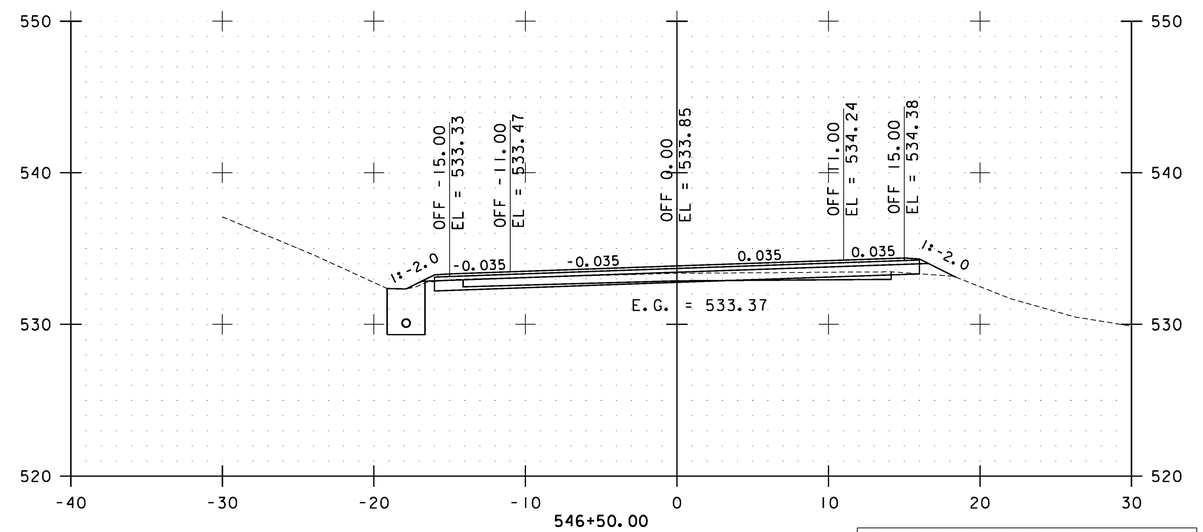
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs21.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 156 OF 387









STA. 545+50.00 TO STA. 547+00.00

0 10 20
SCALE

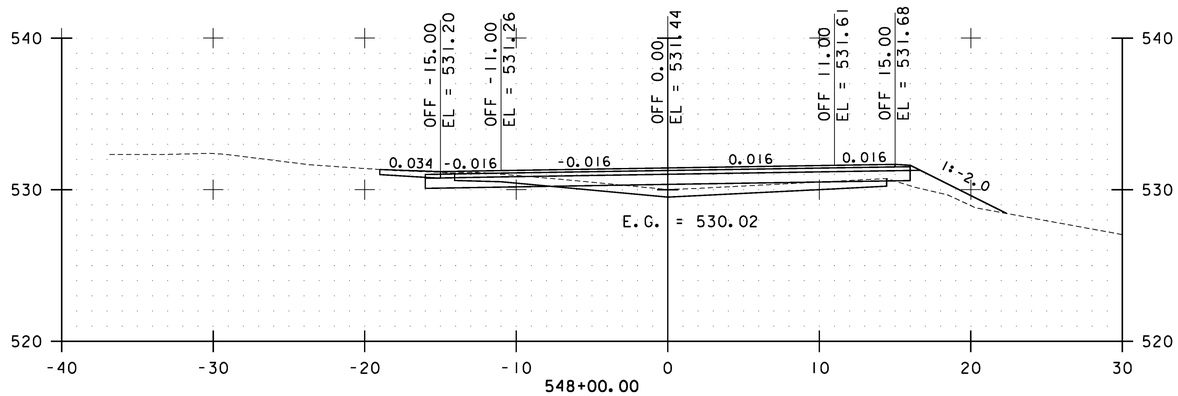
Stantec

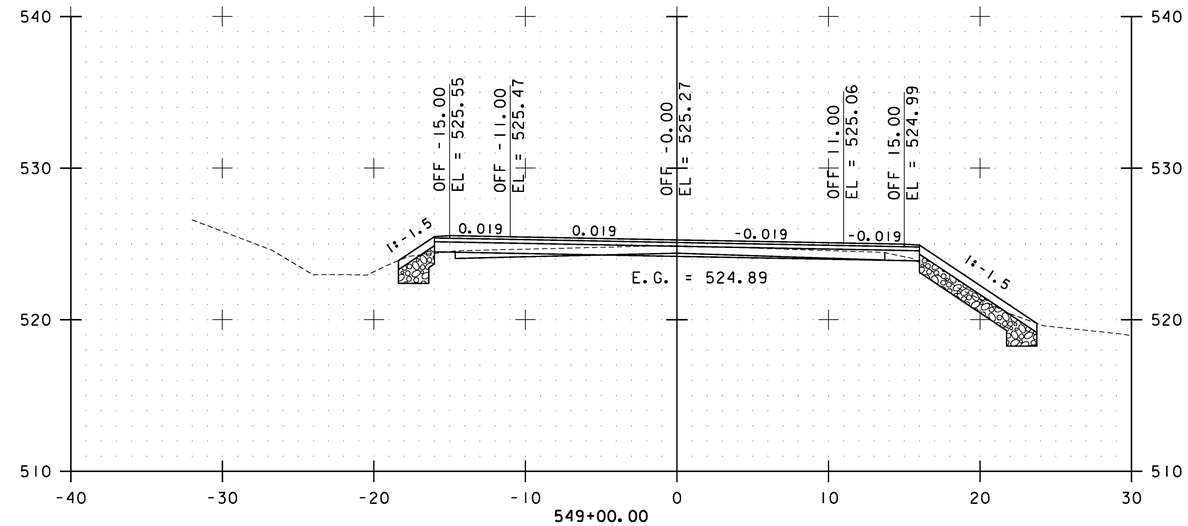
CAMBRIDGE CROSS SECTIONS SHEET #22

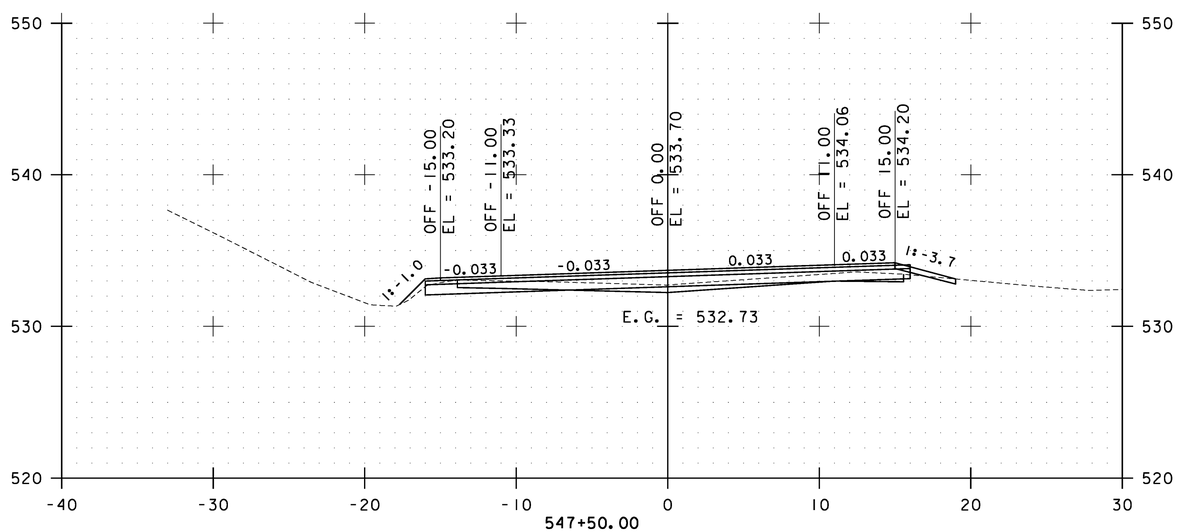
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

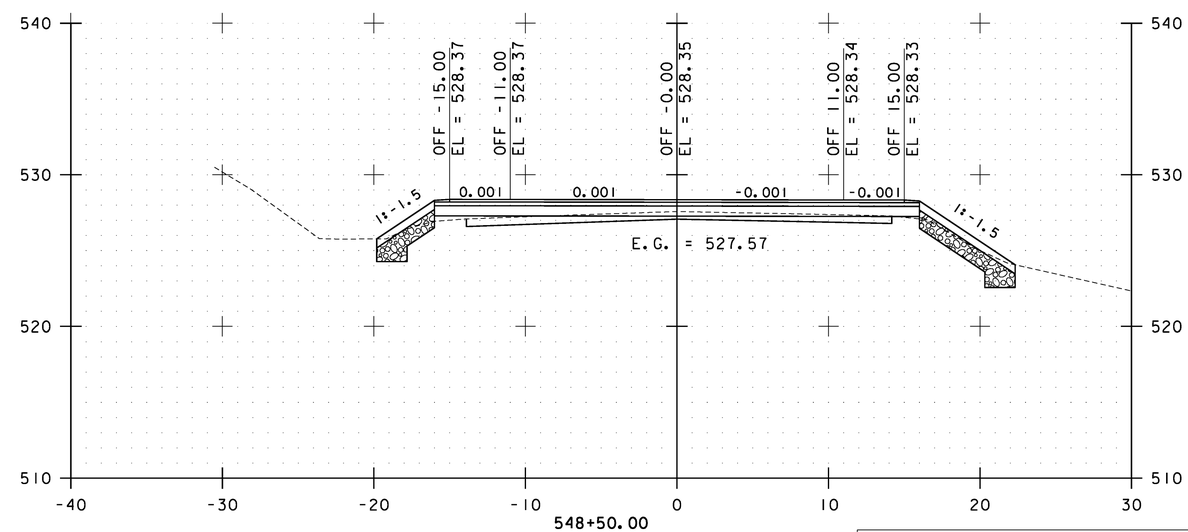
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs22.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 157 OF 387









STA. 547+50.00 TO STA. 549+00.00

0 10 20
SCALE

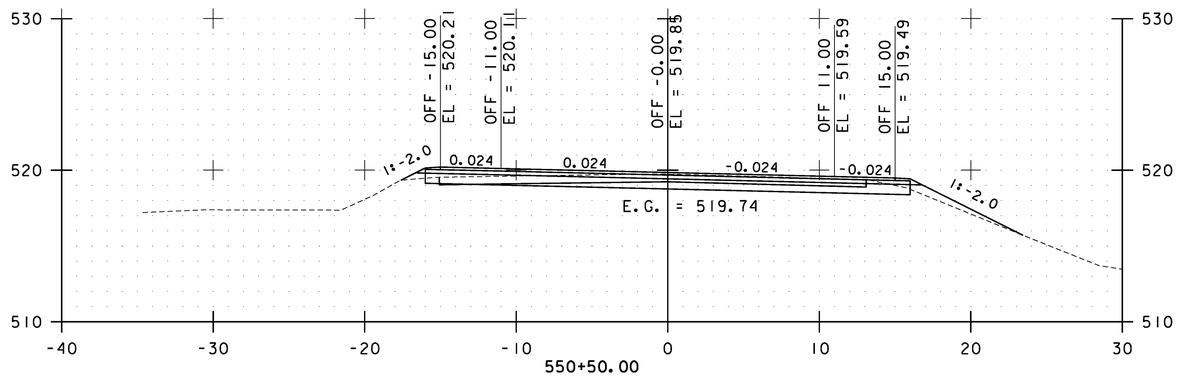
Stantec

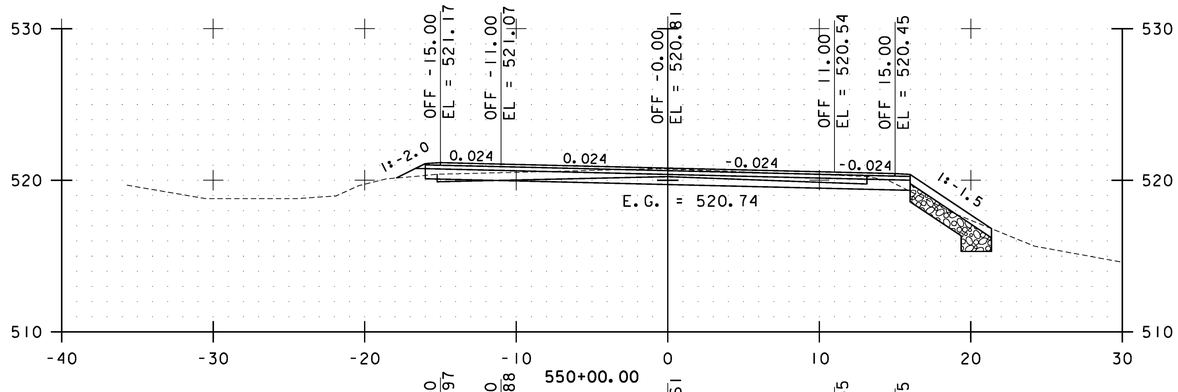
CAMBRIDGE CROSS SECTIONS SHEET #23

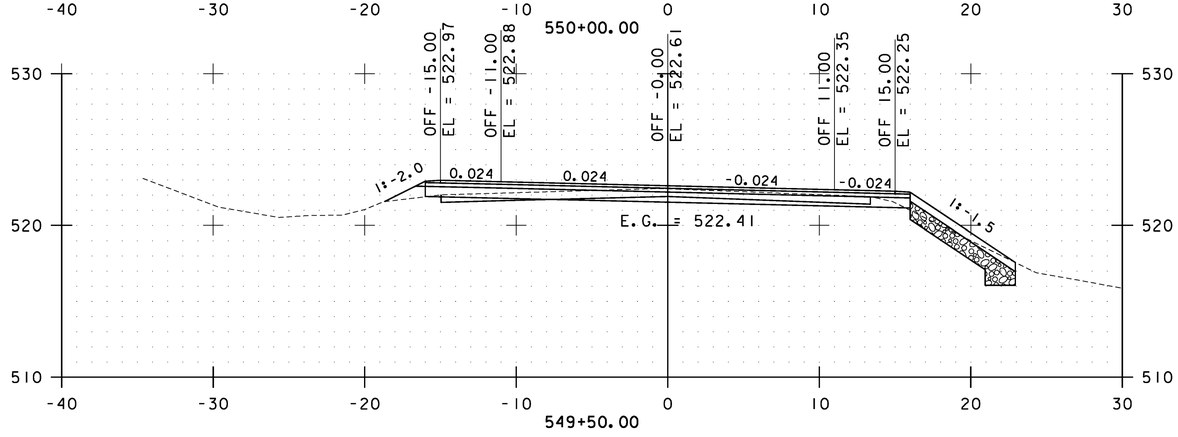
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

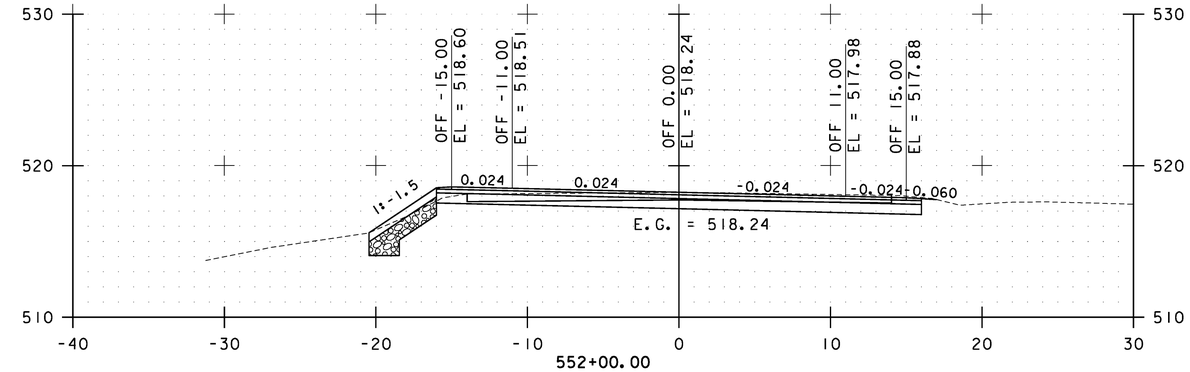
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs23.i

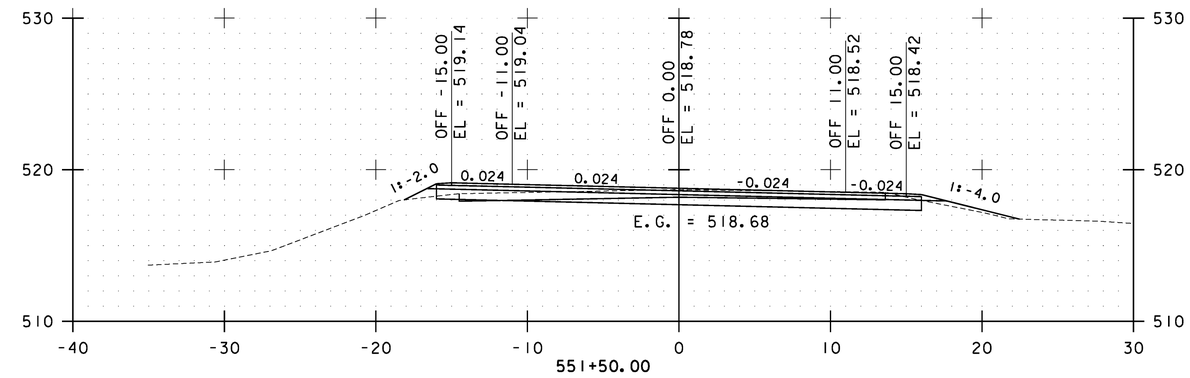
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 158 OF 387

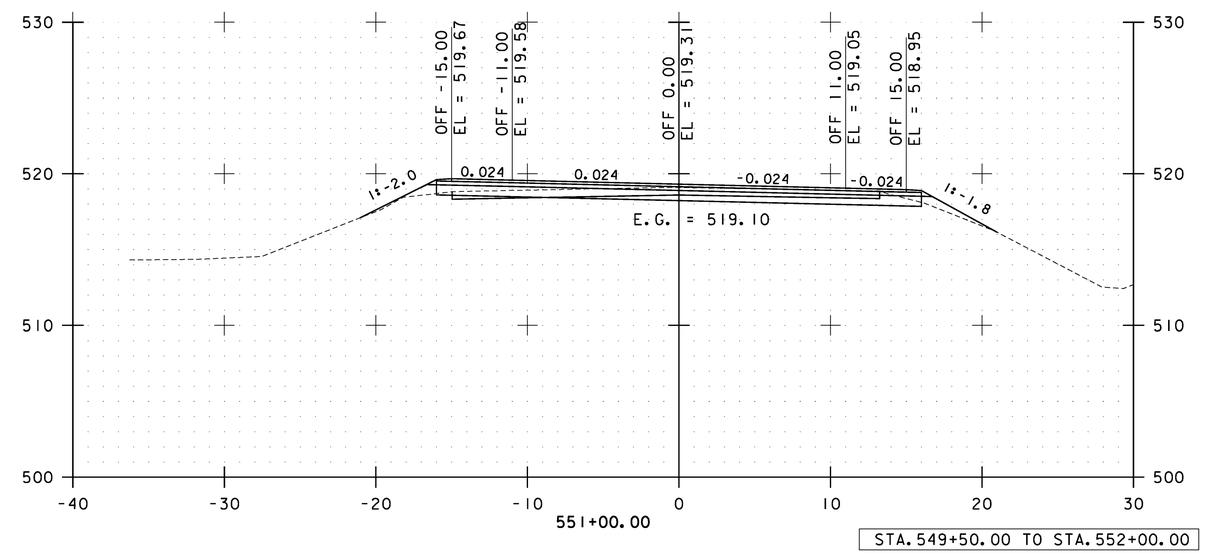












STA. 549+50.00 TO STA. 552+00.00

0 10 20
SCALE

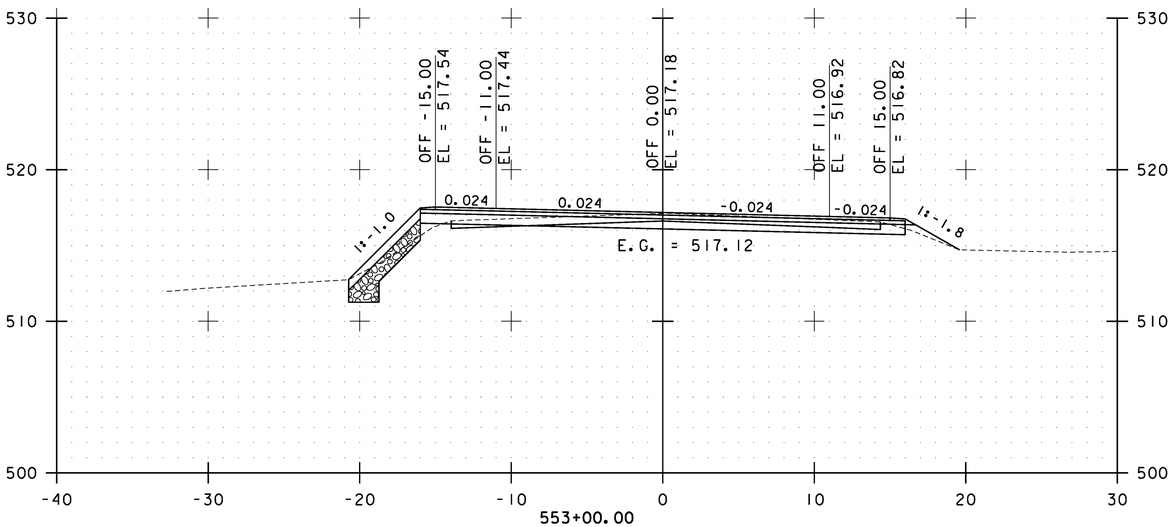
Stantec

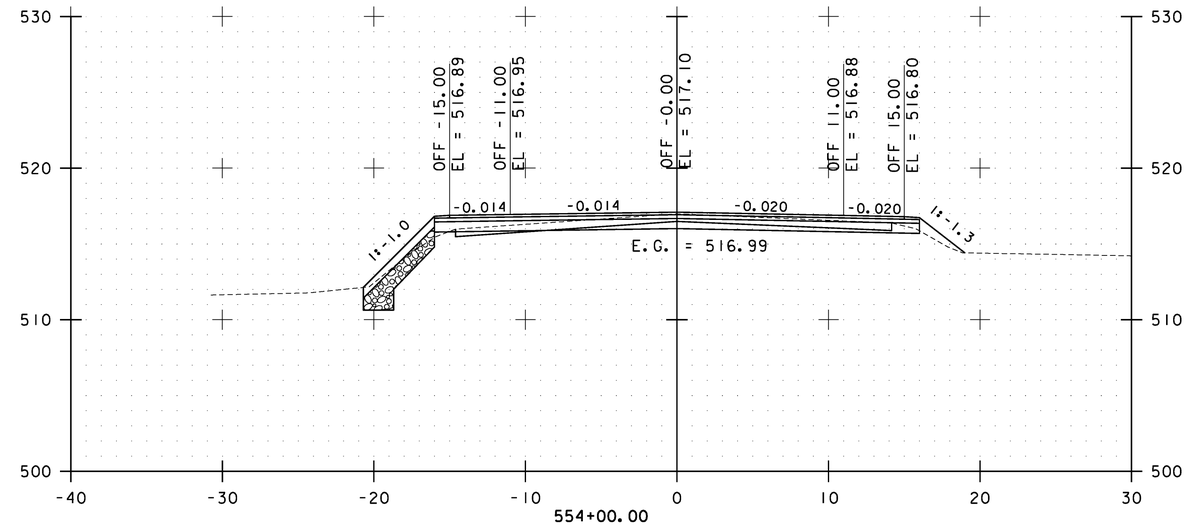
CAMBRIDGE CROSS SECTIONS SHEET #24

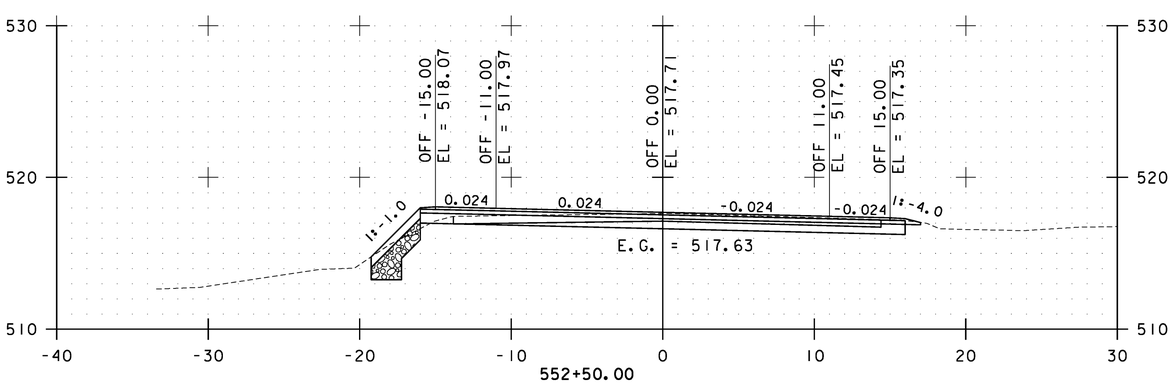
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

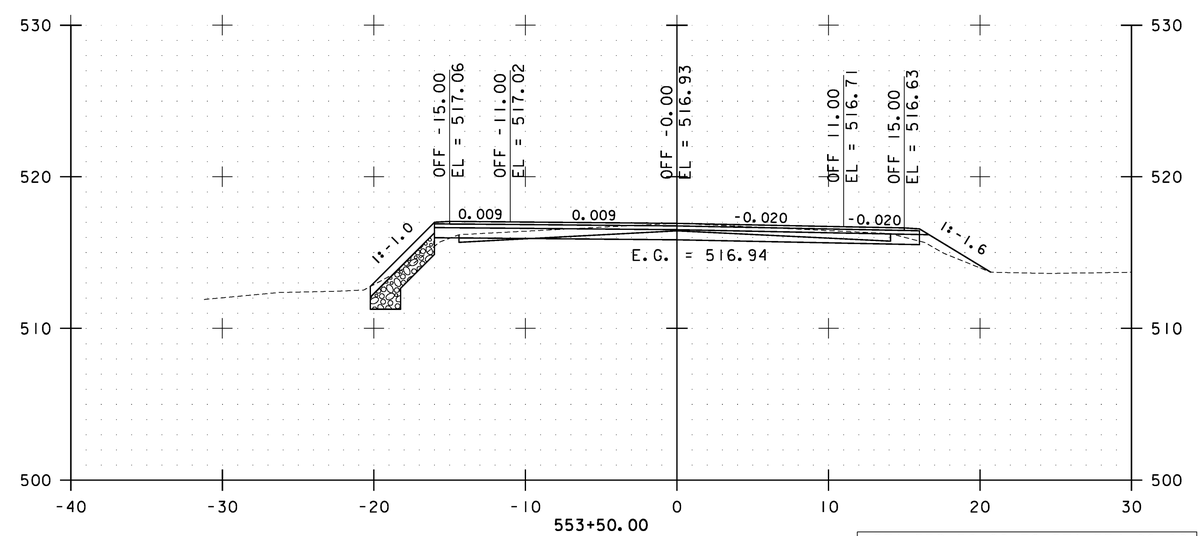
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs24.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 159 OF 387









STA. 552+50.00 TO STA. 554+00.00

0 10 20
SCALE

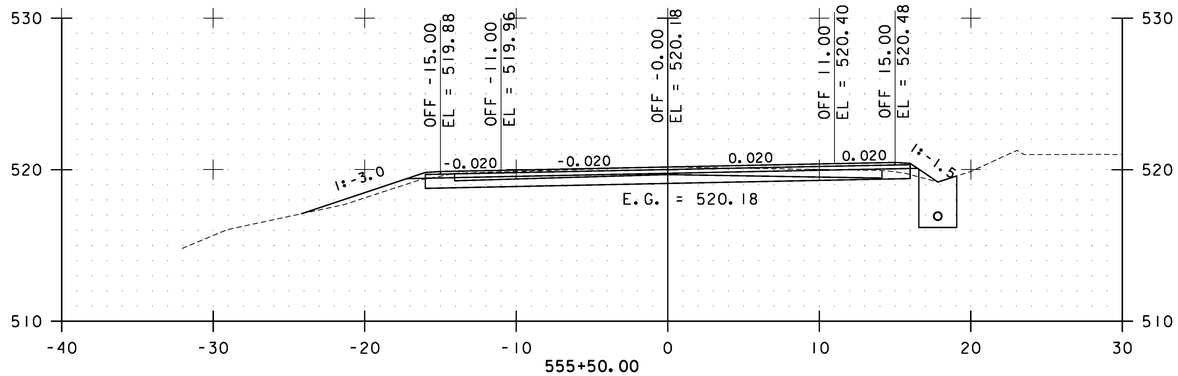
Stantec

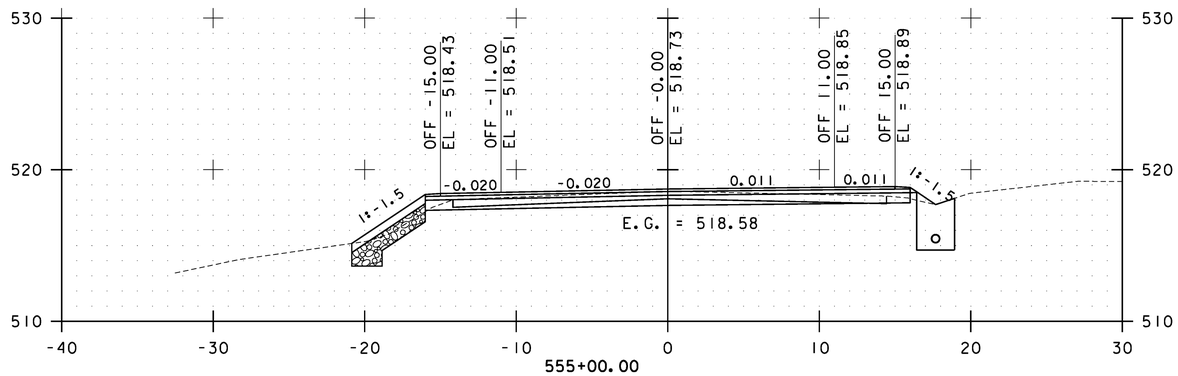
CAMBRIDGE CROSS SECTIONS SHEET #25

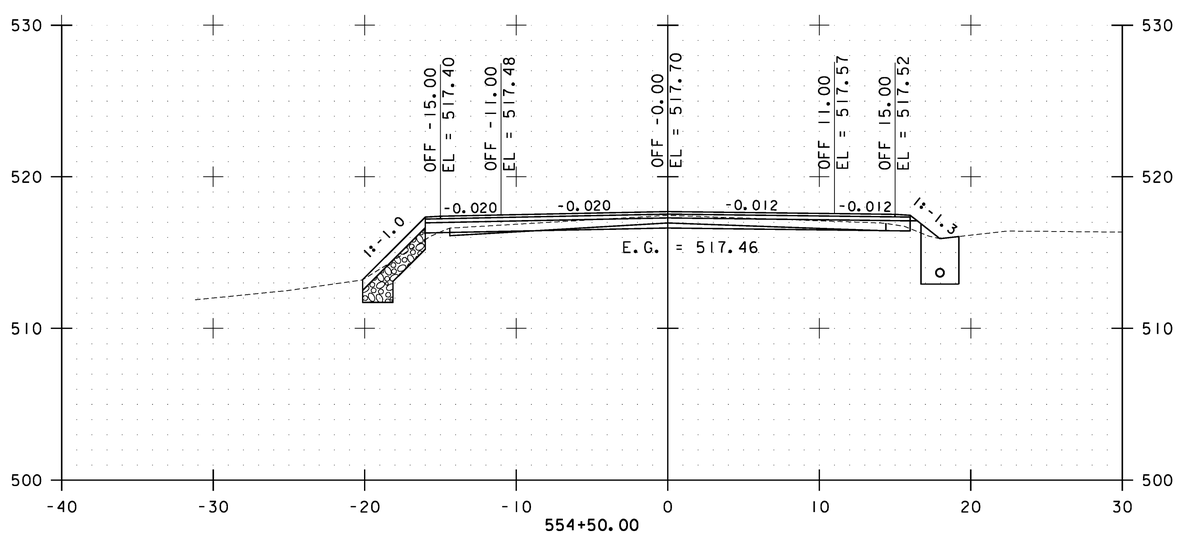
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

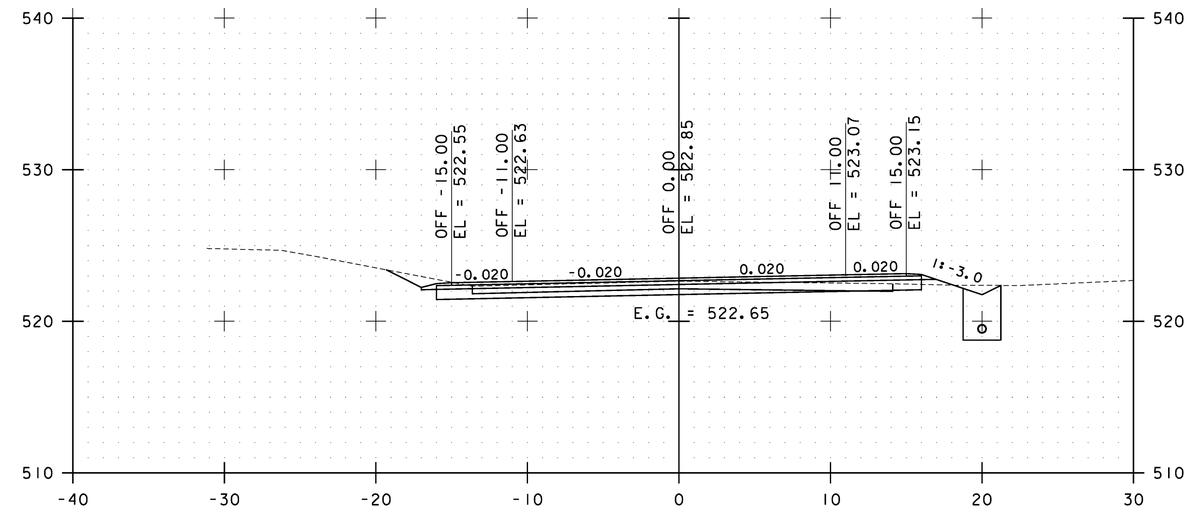
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs25.i

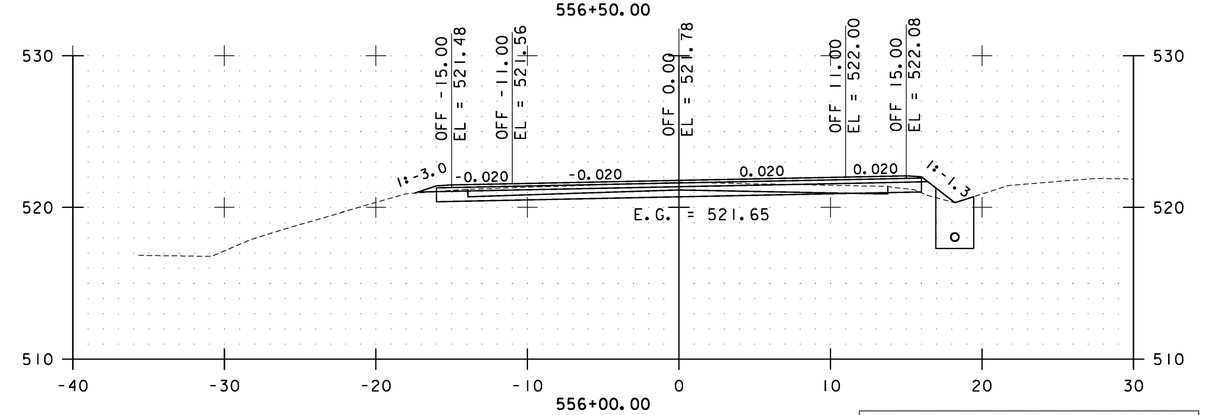
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 160 OF 387











STA. 554+50.00 TO STA. 556+50.00

0 10 20
SCALE

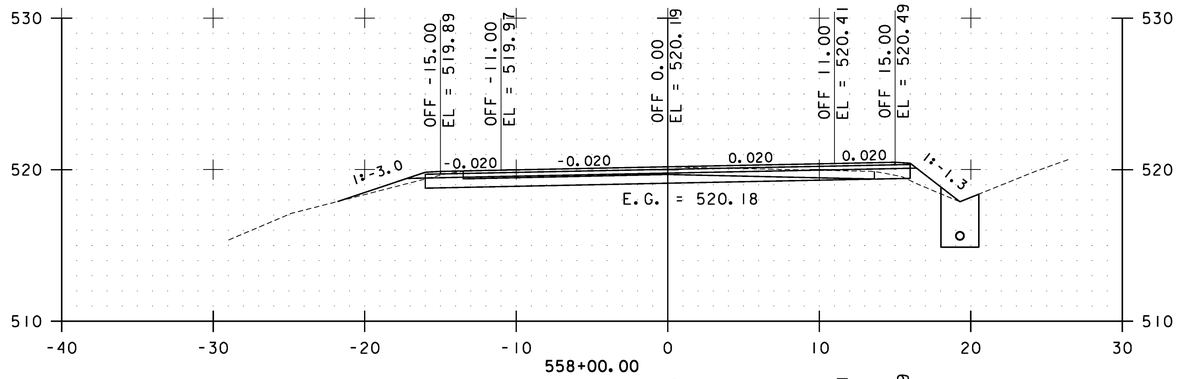
Stantec

CAMBRIDGE CROSS SECTIONS SHEET #26

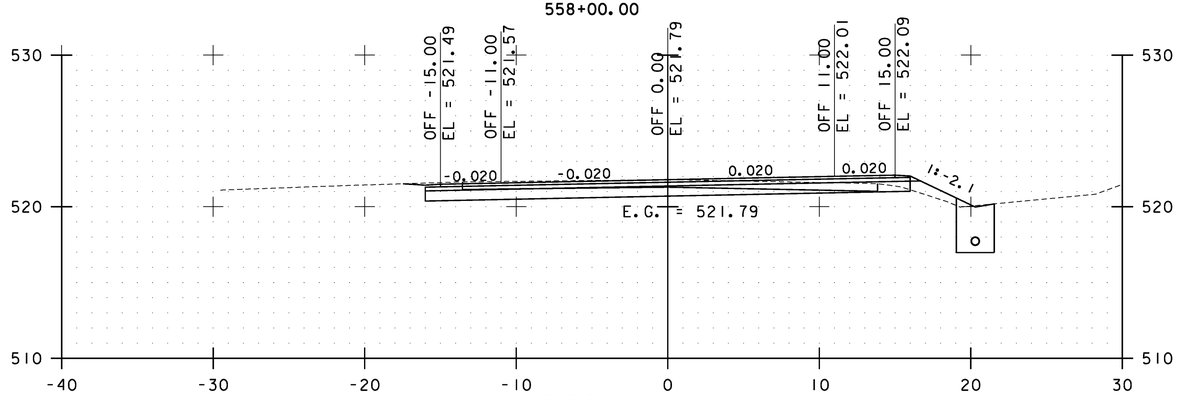
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs26.i

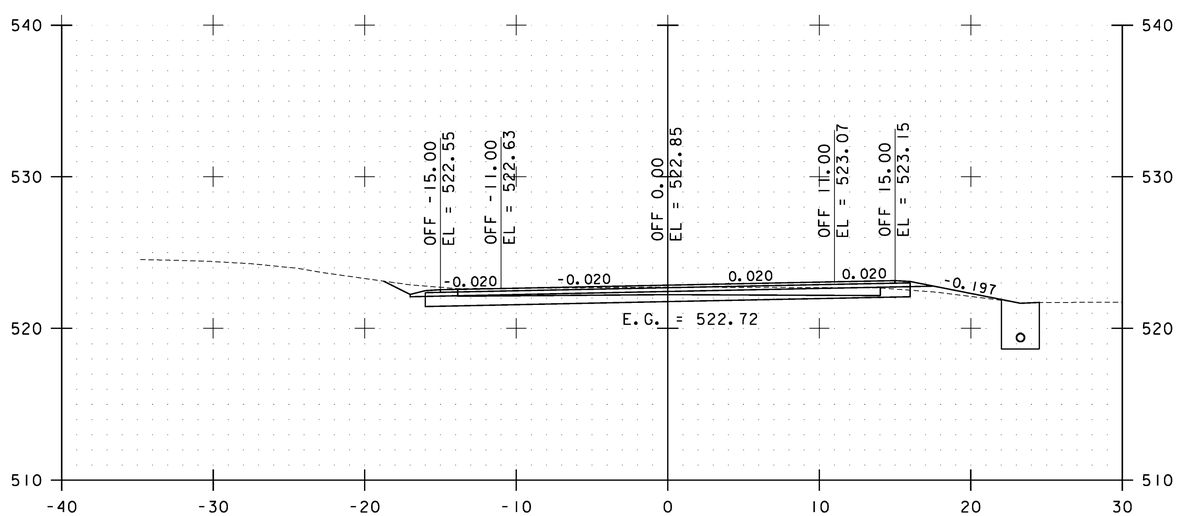
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 161 OF 387



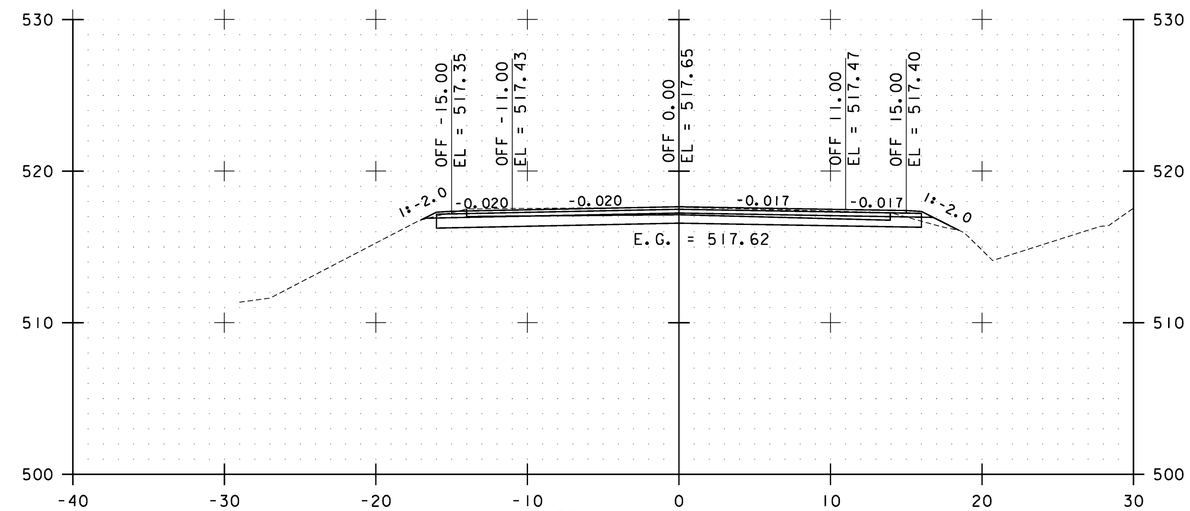
558+00.00



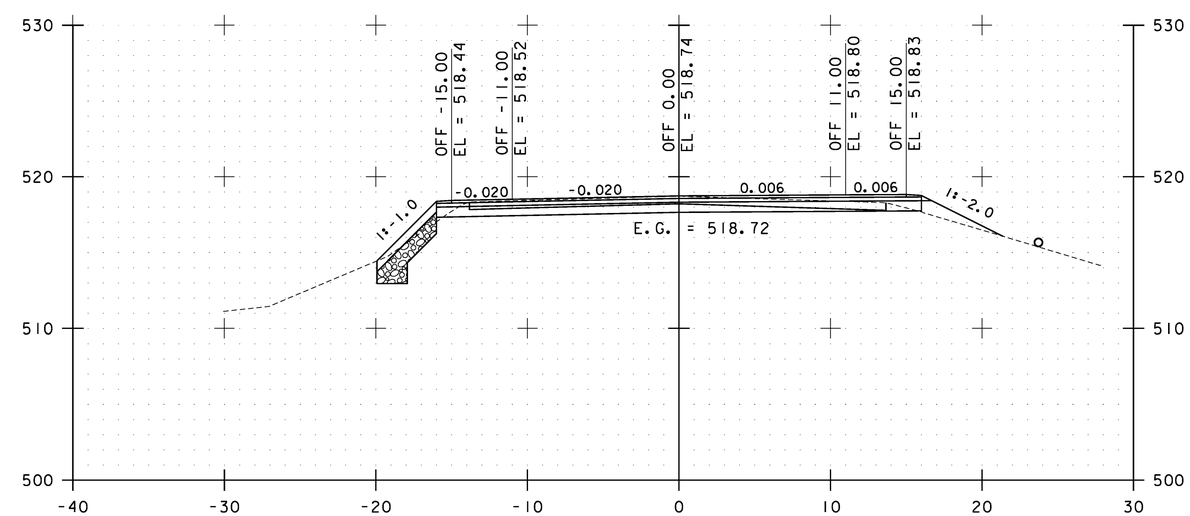
557+50.00



557+00.00



559+00.00



558+50.00

STA. 557+00.00 TO STA. 559+00.00

0 10 20
SCALE

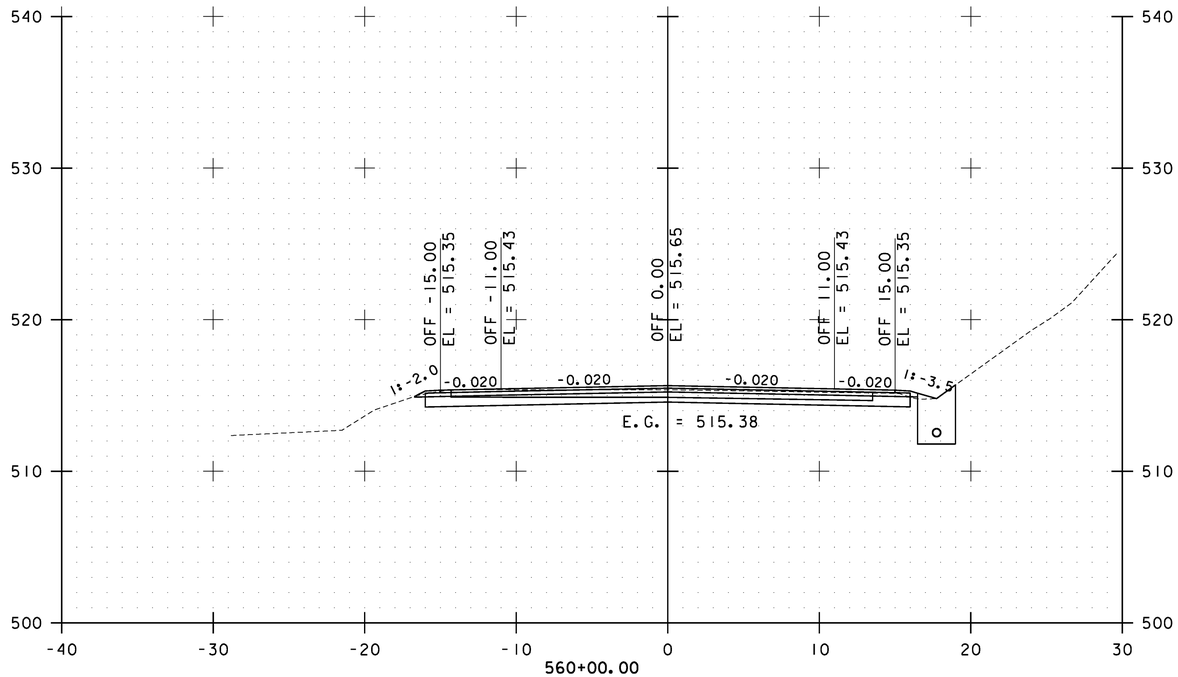
Stantec

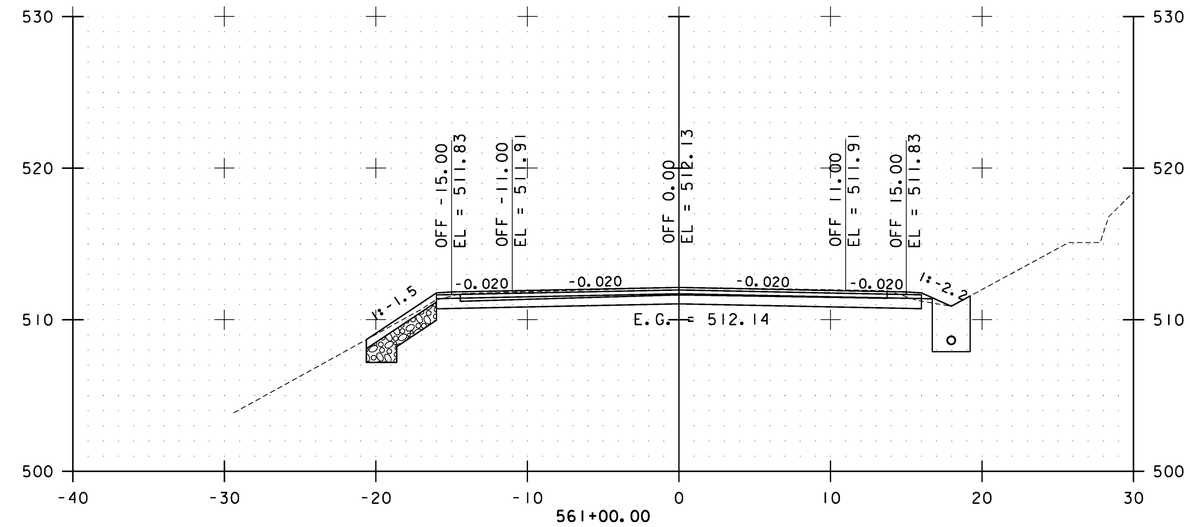
CAMBRIDGE CROSS SECTIONS SHEET #27

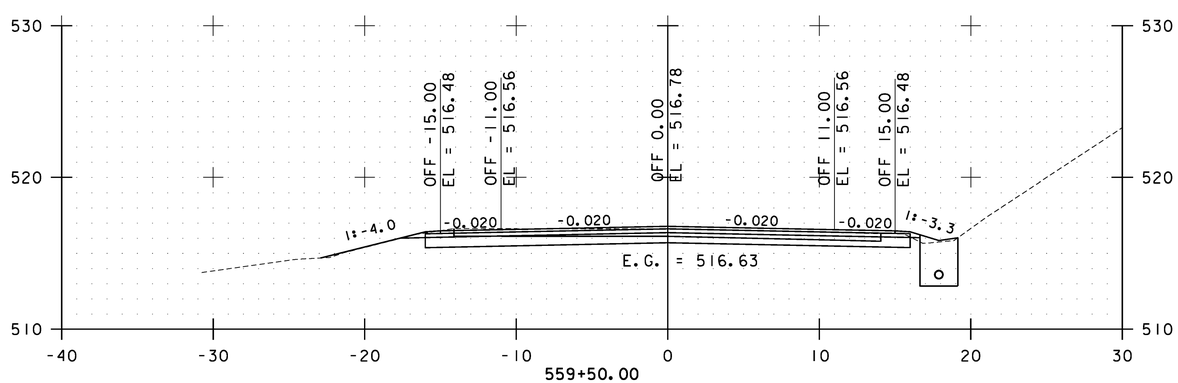
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

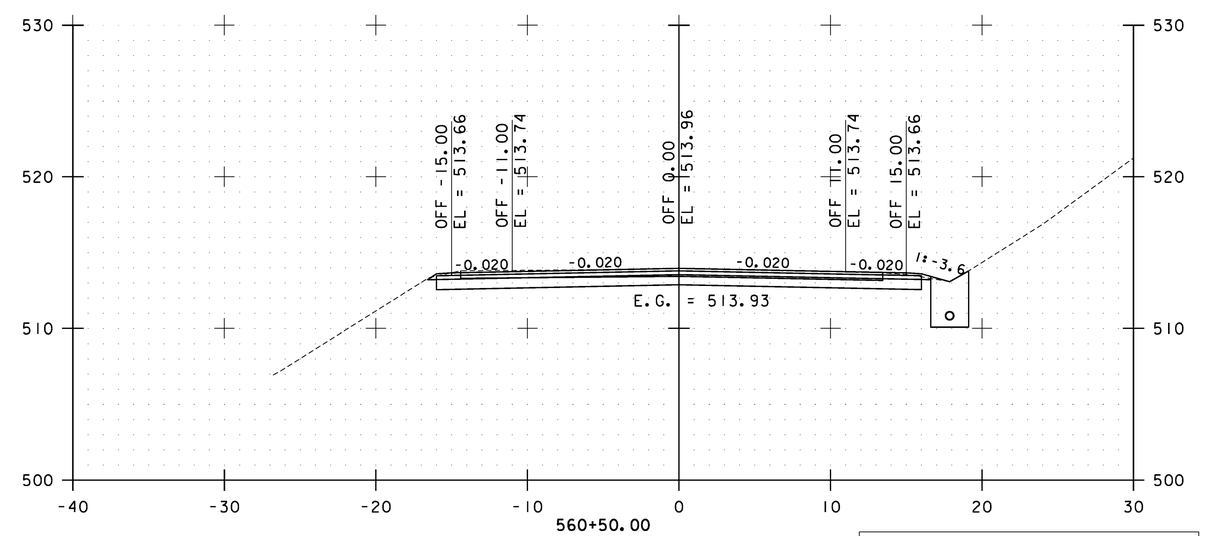
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs27.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 162 OF 387









STA. 559+50.00 TO STA. 561+00.00

0 10 20
SCALE

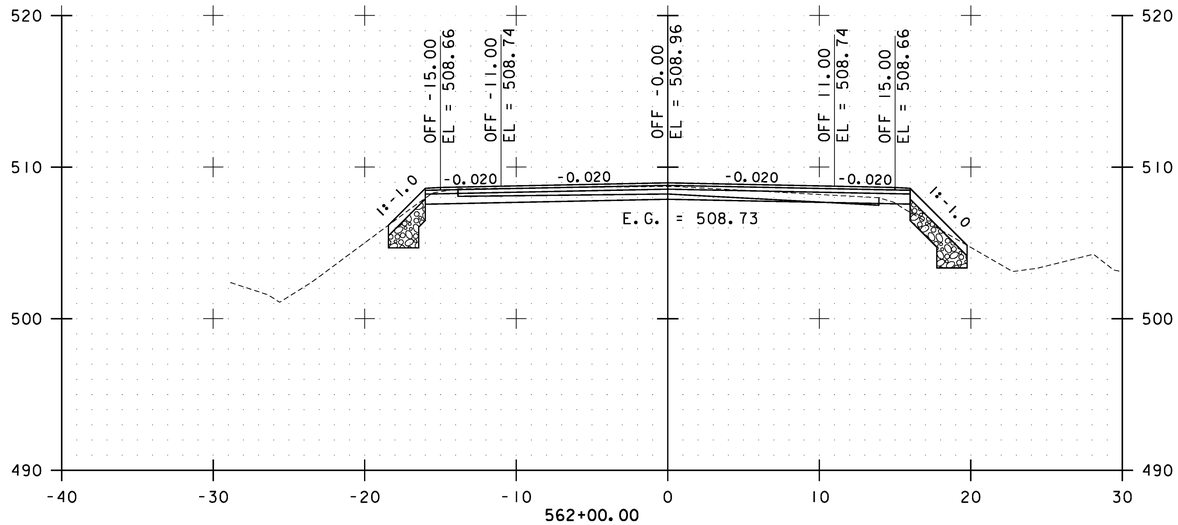
Stantec

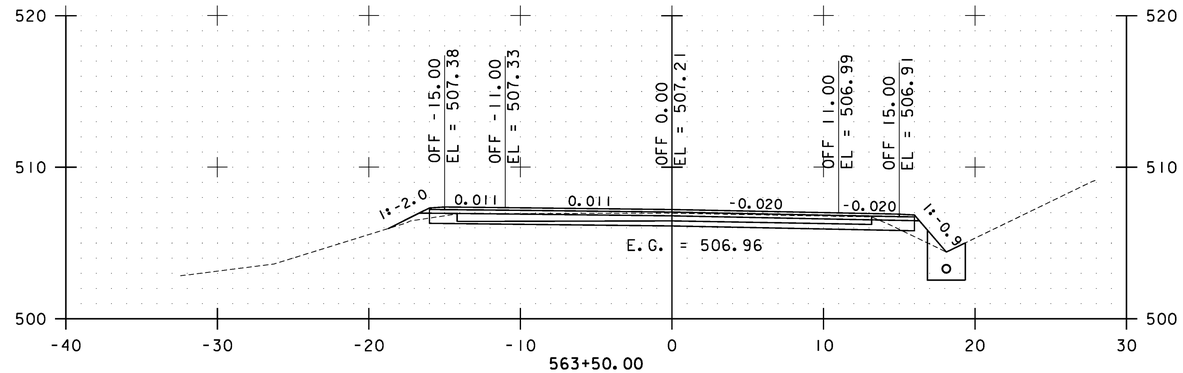
CAMBRIDGE CROSS SECTIONS SHEET #28

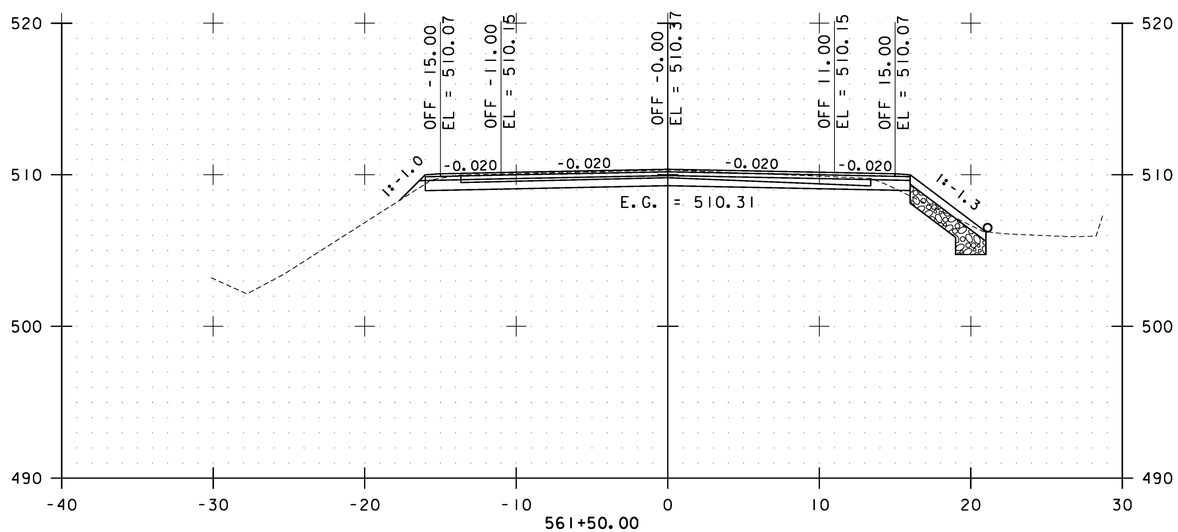
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

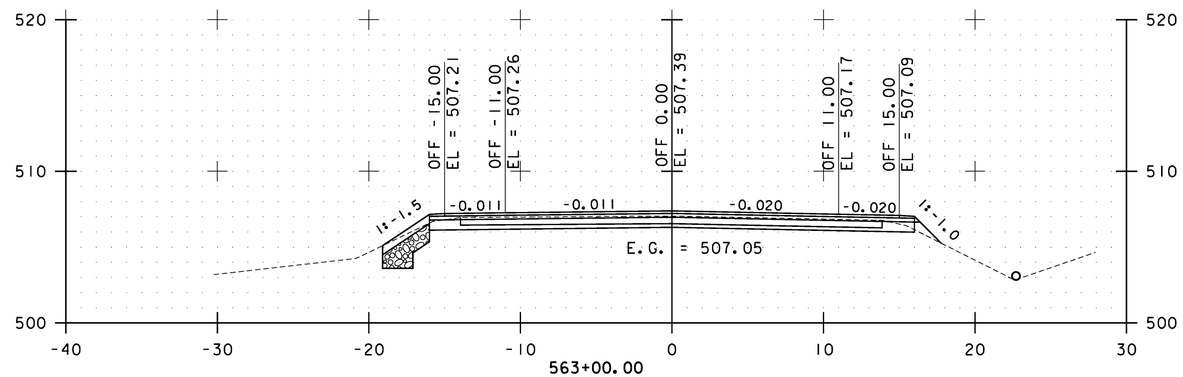
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs28.i

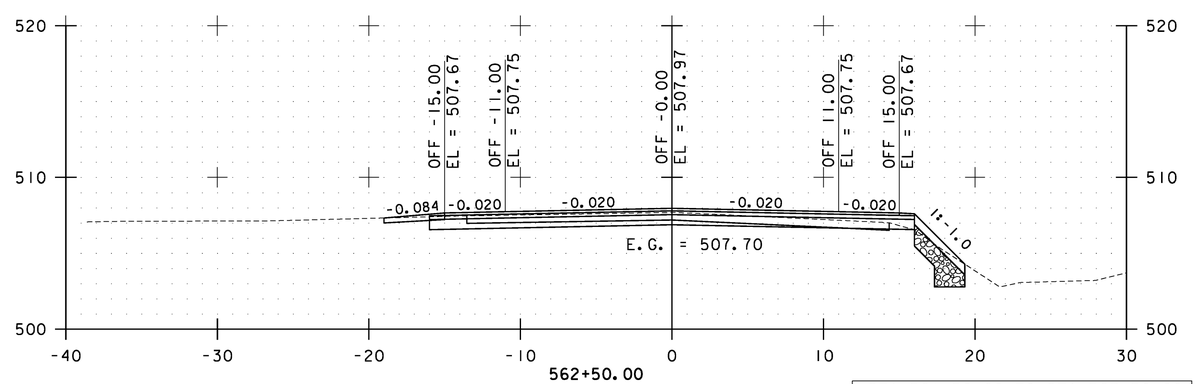
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 163 OF 387











STA. 561+50.00 TO STA. 563+50.00

0 10 20
SCALE

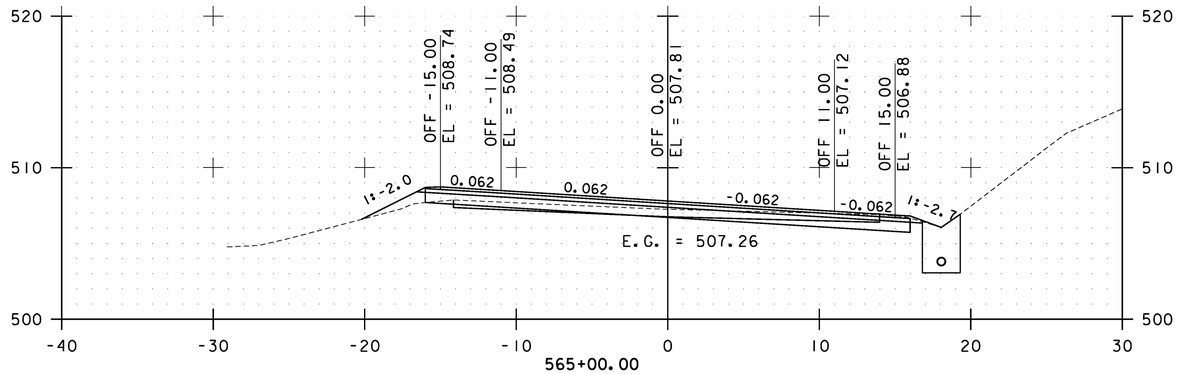
Stantec

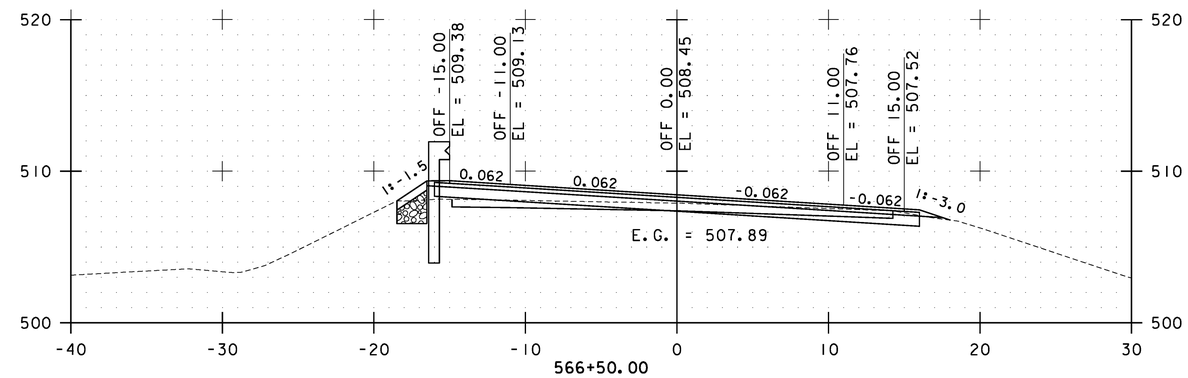
CAMBRIDGE CROSS SECTIONS SHEET #29

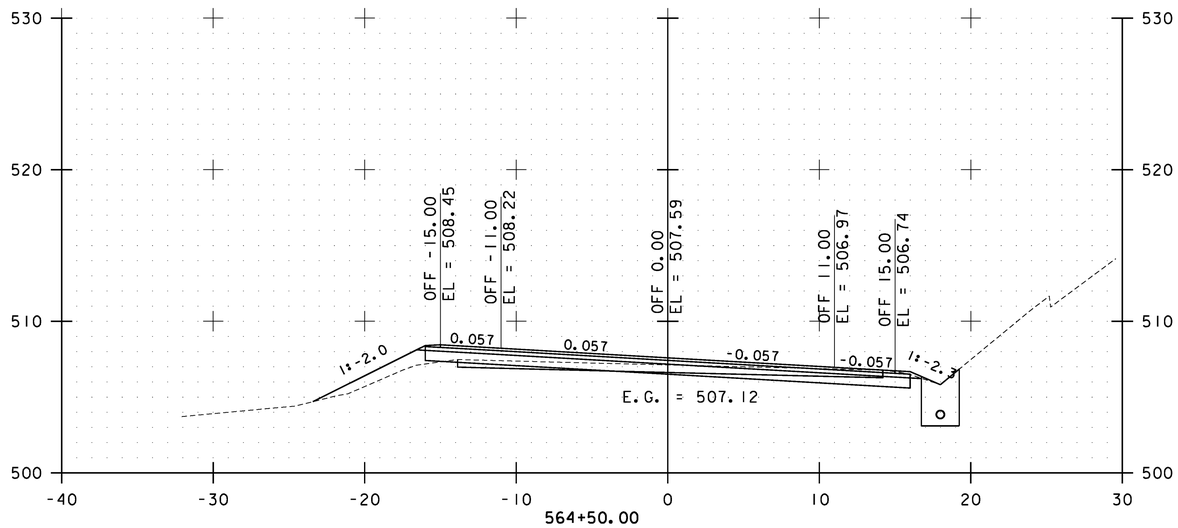
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

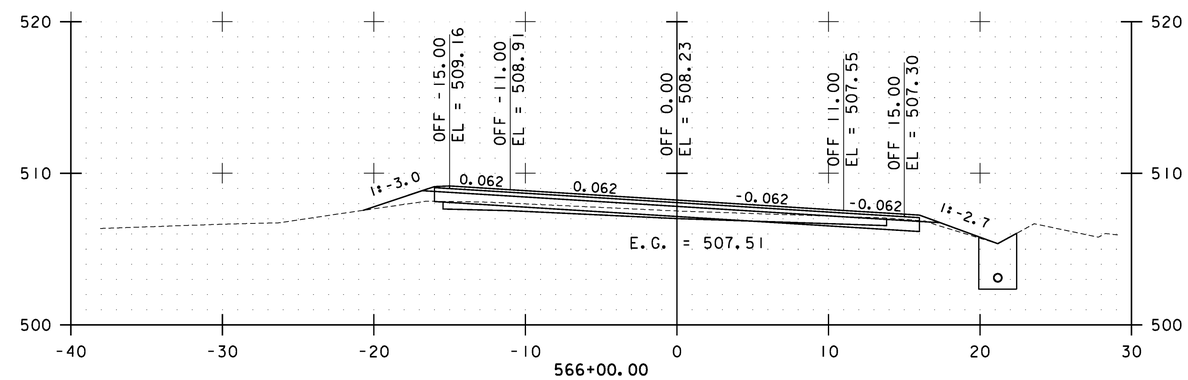
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs29.i

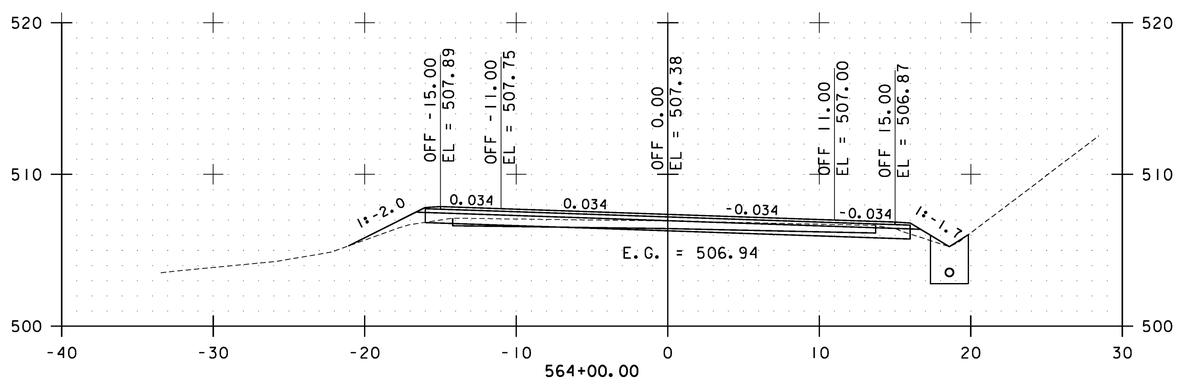
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 164 OF 387

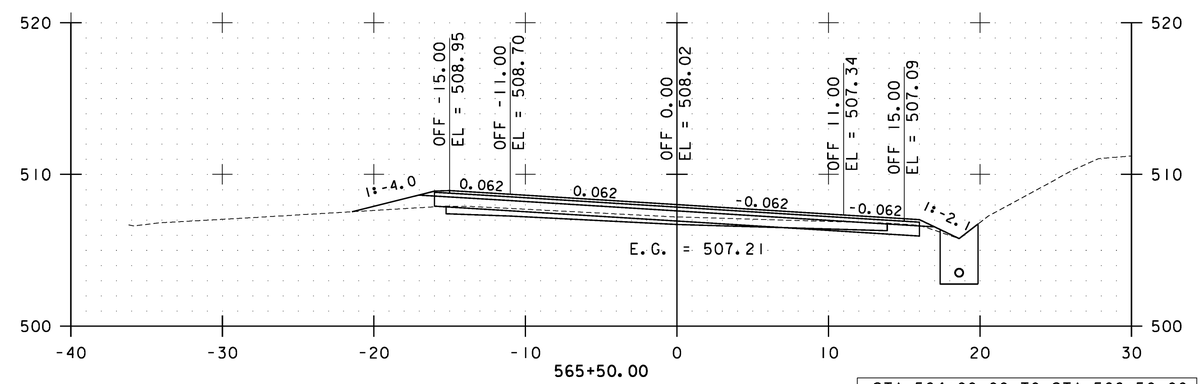












STA. 564+00.00 TO STA. 566+50.00

0 10 20
SCALE

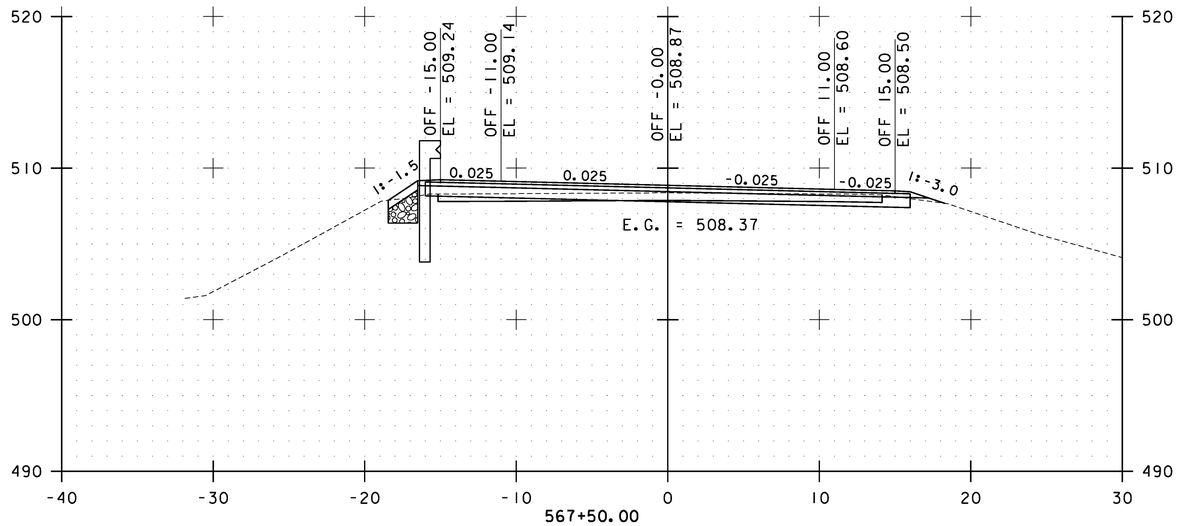
Stantec

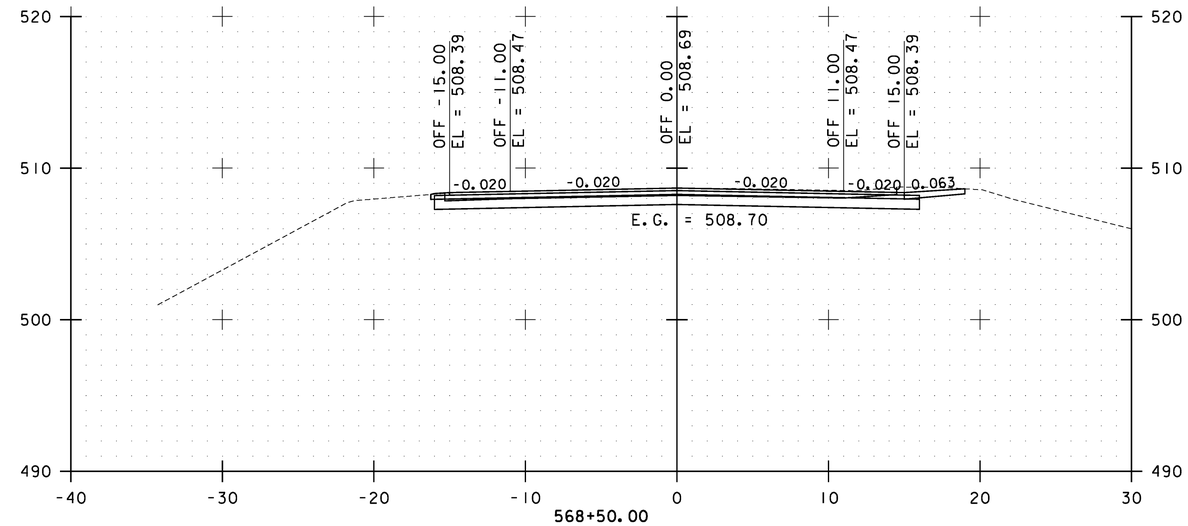
CAMBRIDGE CROSS SECTIONS SHEET #30

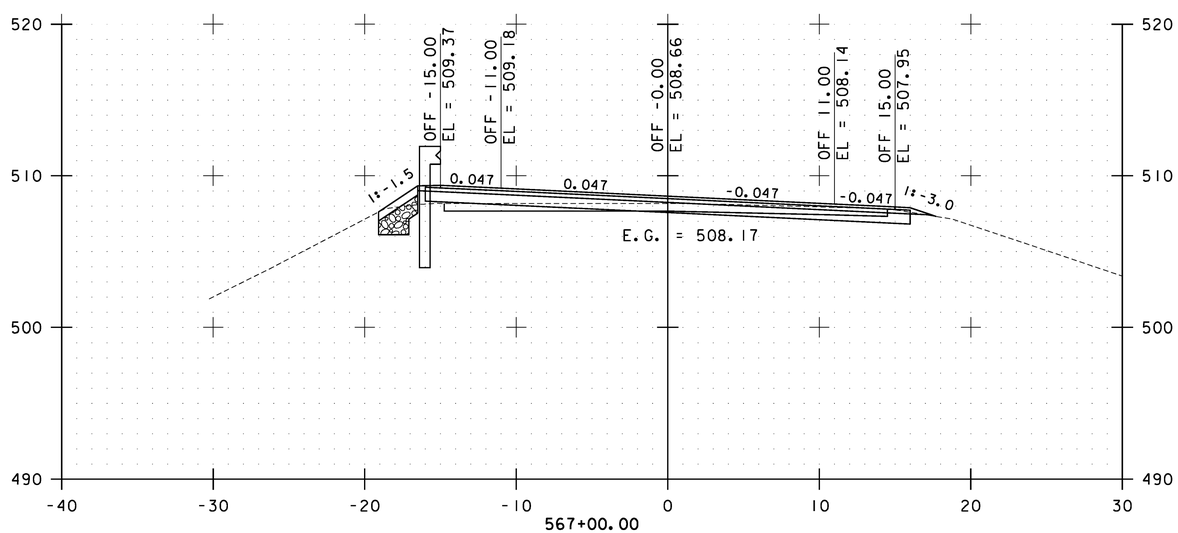
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

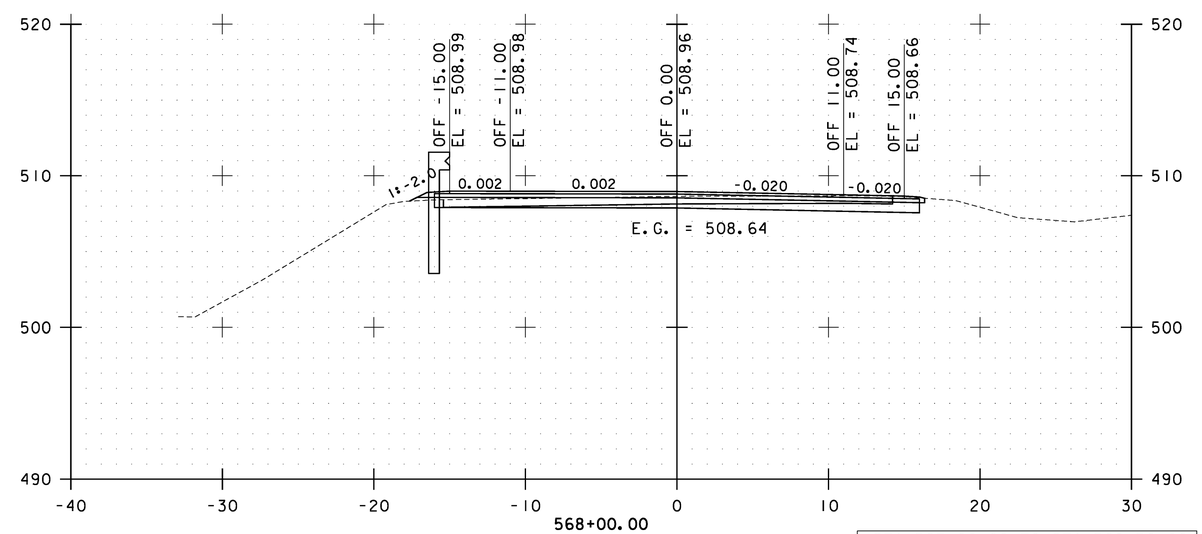
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs30.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 165 OF 387









STA. 567+00.00 TO STA. 568+50.00

0 10 20
SCALE

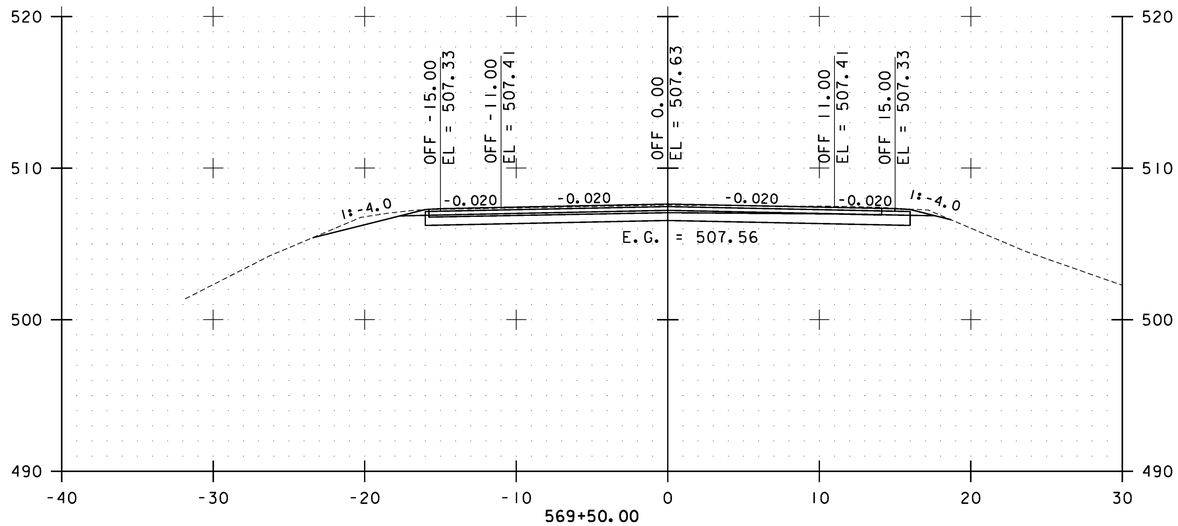
Stantec

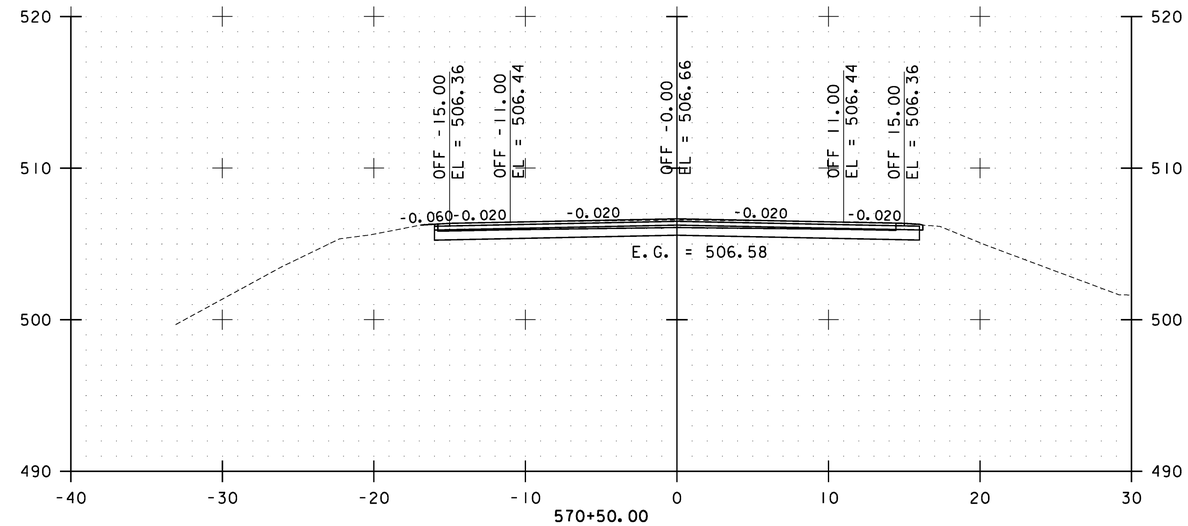
CAMBRIDGE CROSS SECTIONS SHEET #31

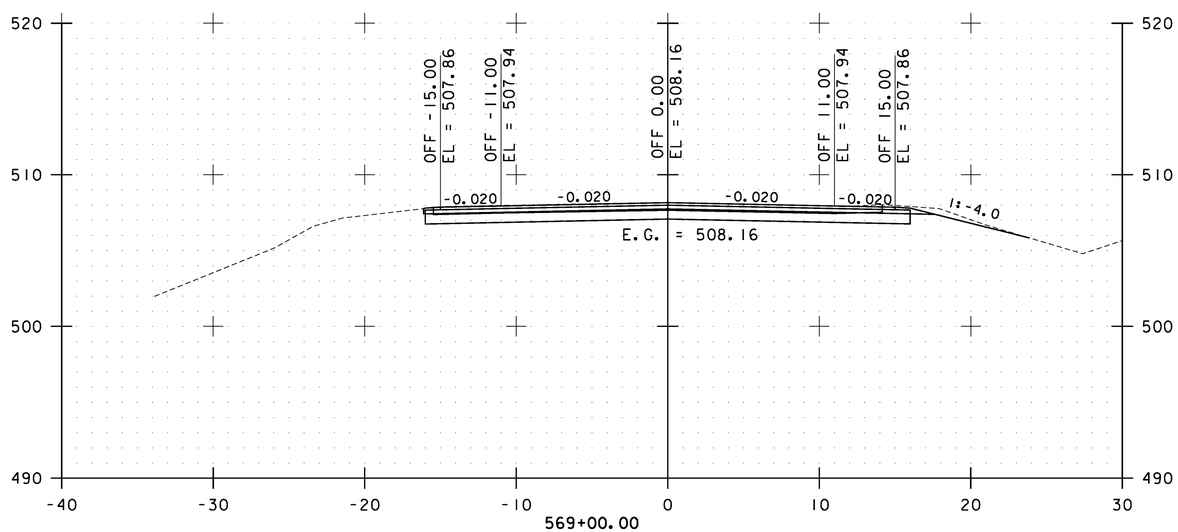
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

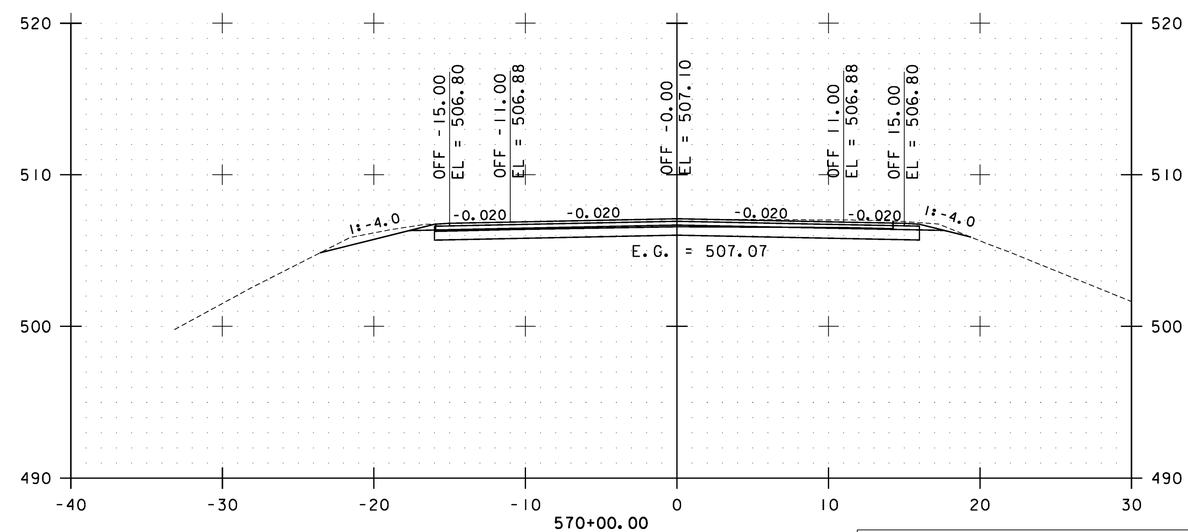
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs31.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 166 OF 387









STA. 569+00.00 TO STA. 570+50.00

0 10 20
SCALE

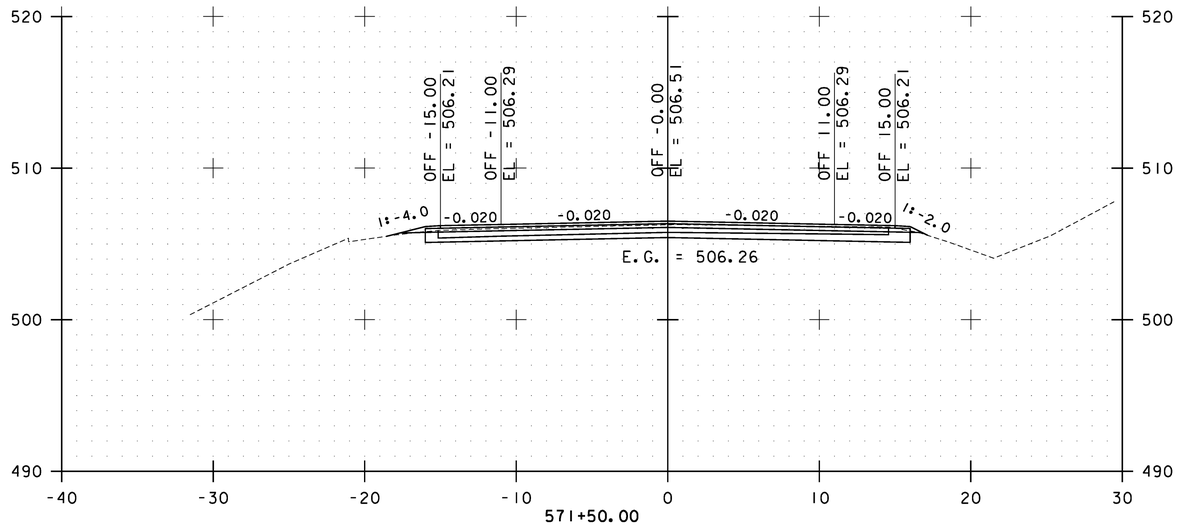
Stantec

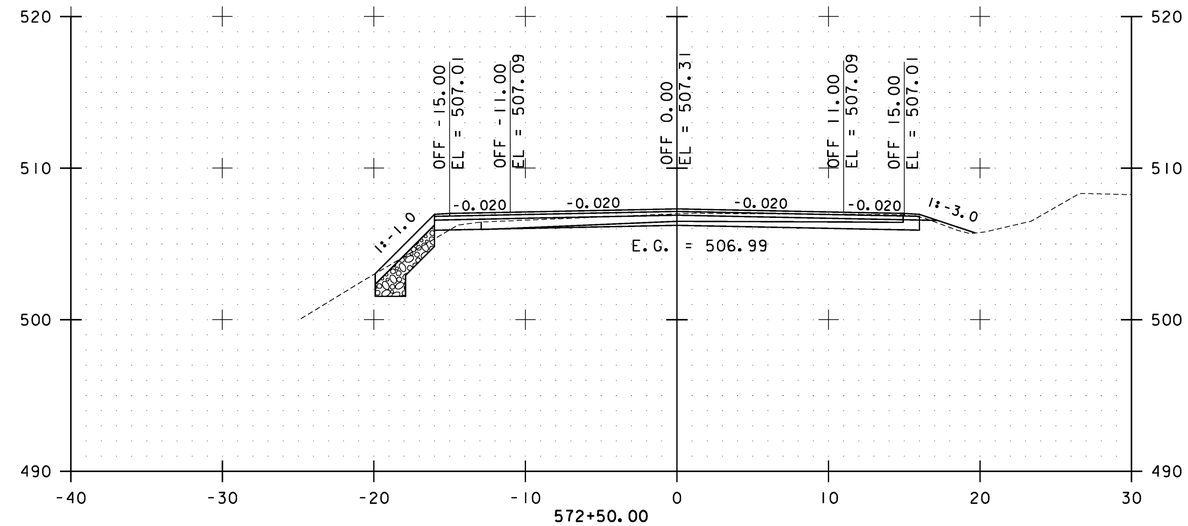
CAMBRIDGE CROSS SECTIONS SHEET #32

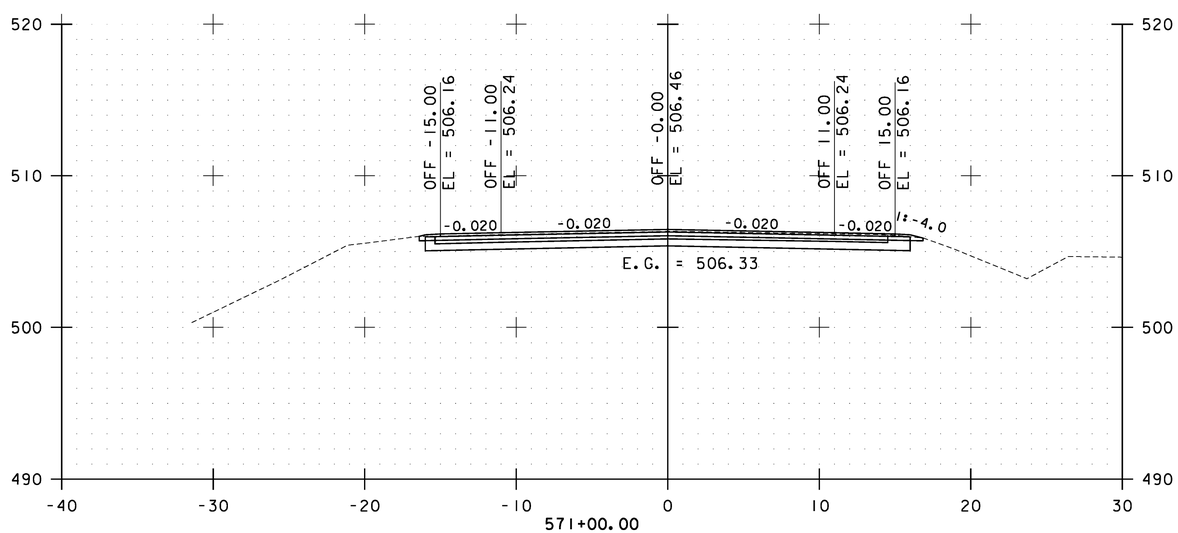
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

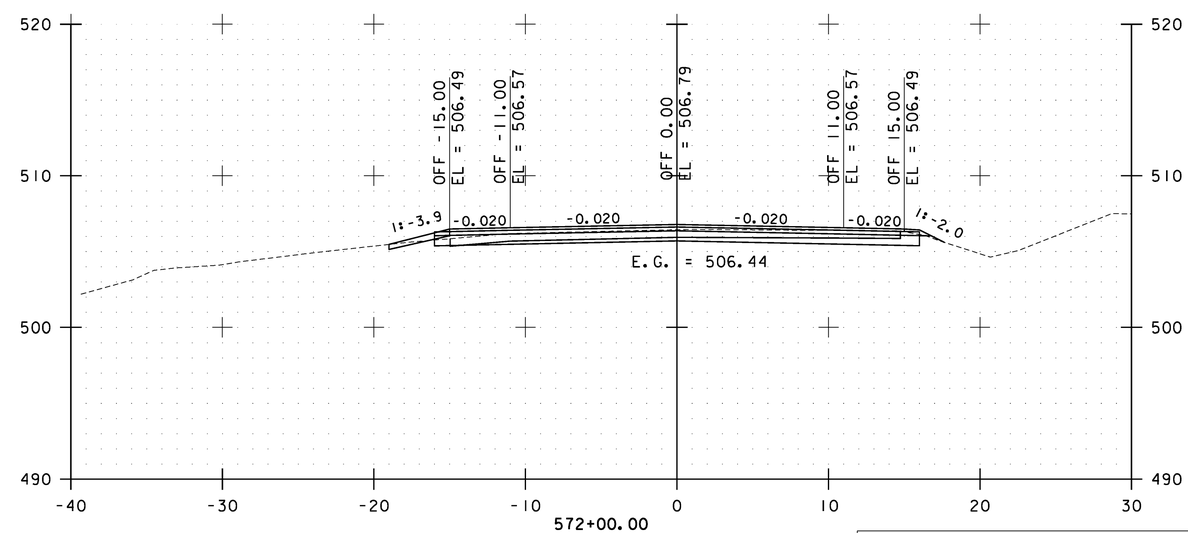
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs32.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 167 OF 387









STA. 571+00.00 TO STA. 572+50.00

0 10 20
SCALE

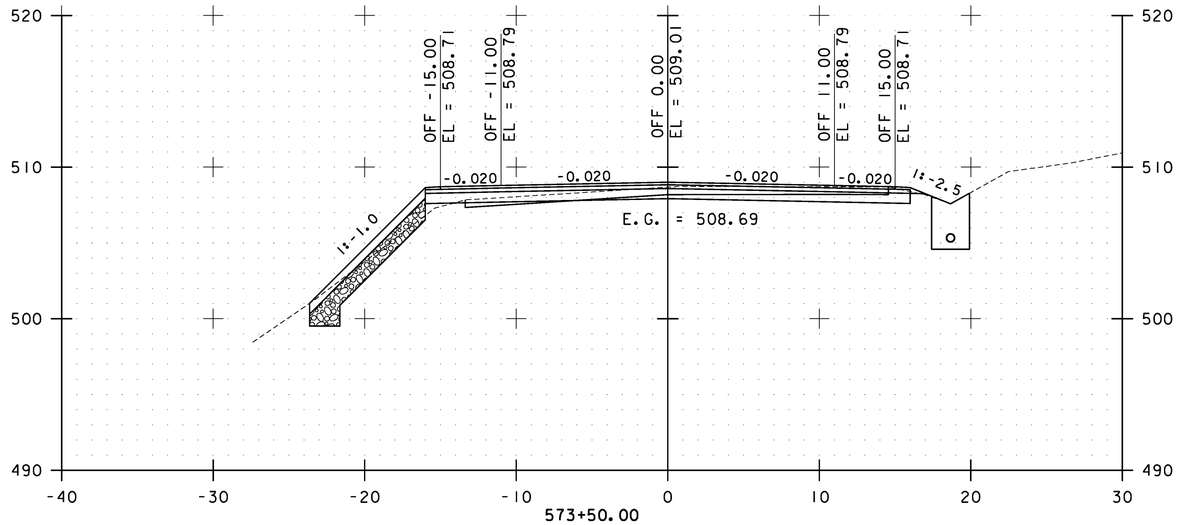
Stantec

CAMBRIDGE CROSS SECTIONS SHEET #33

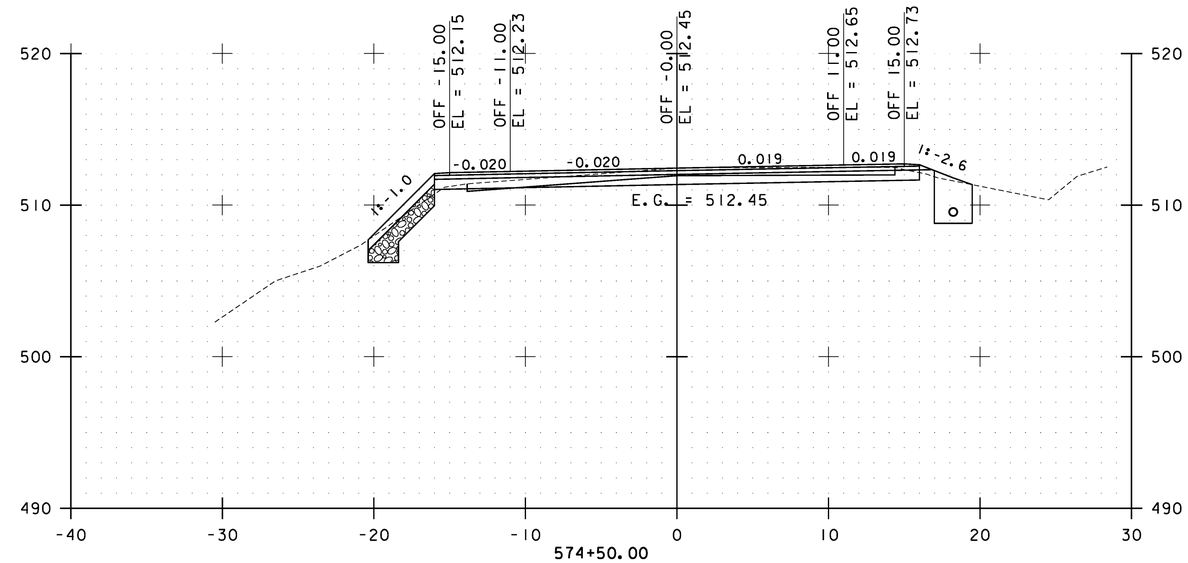
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs33.i

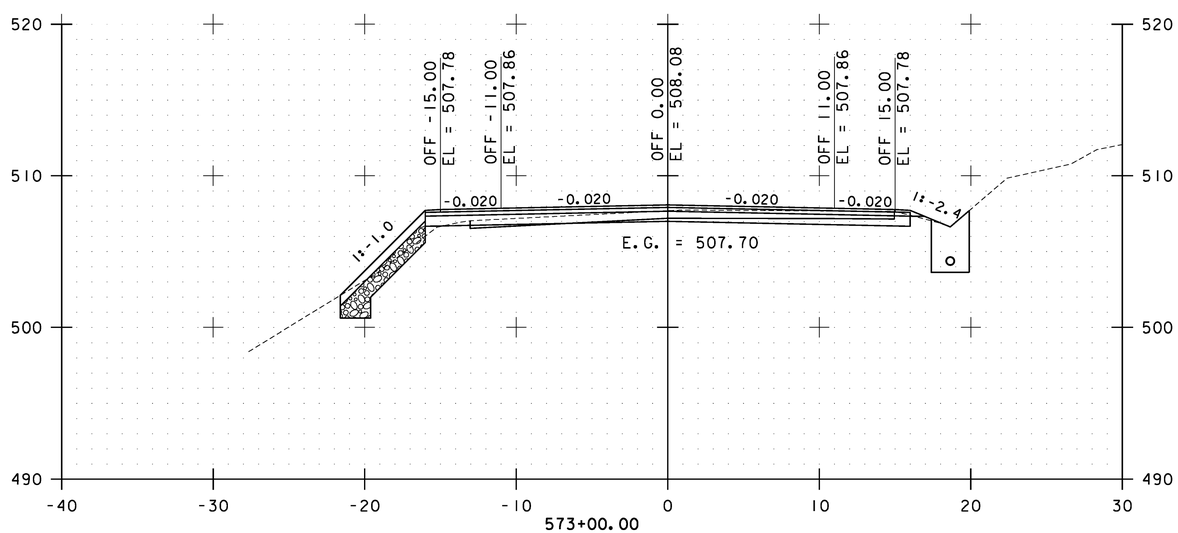
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 168 OF 387



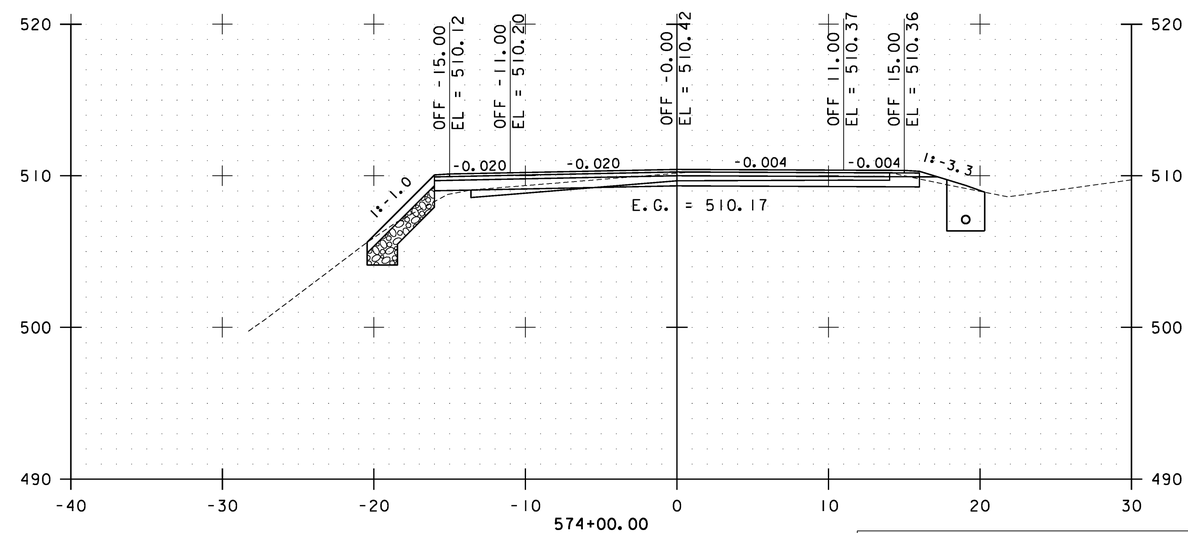
573+50.00



574+50.00



573+00.00



574+00.00

STA. 573+00.00 TO STA. 574+50.00

0 10 20
SCALE

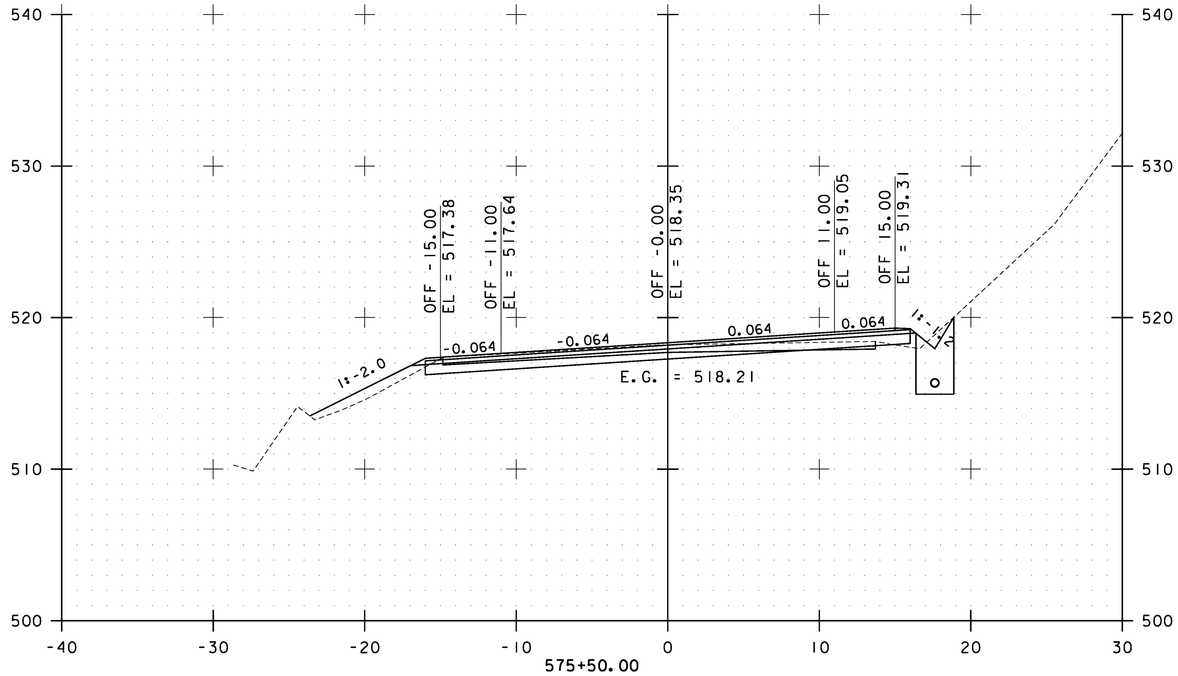
Stantec

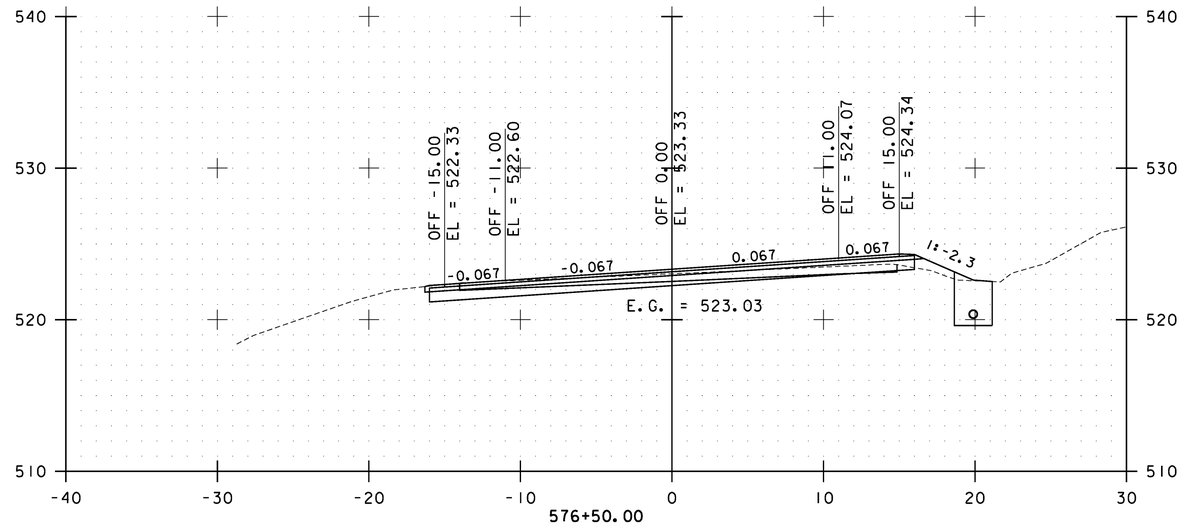
CAMBRIDGE CROSS SECTIONS SHEET #34

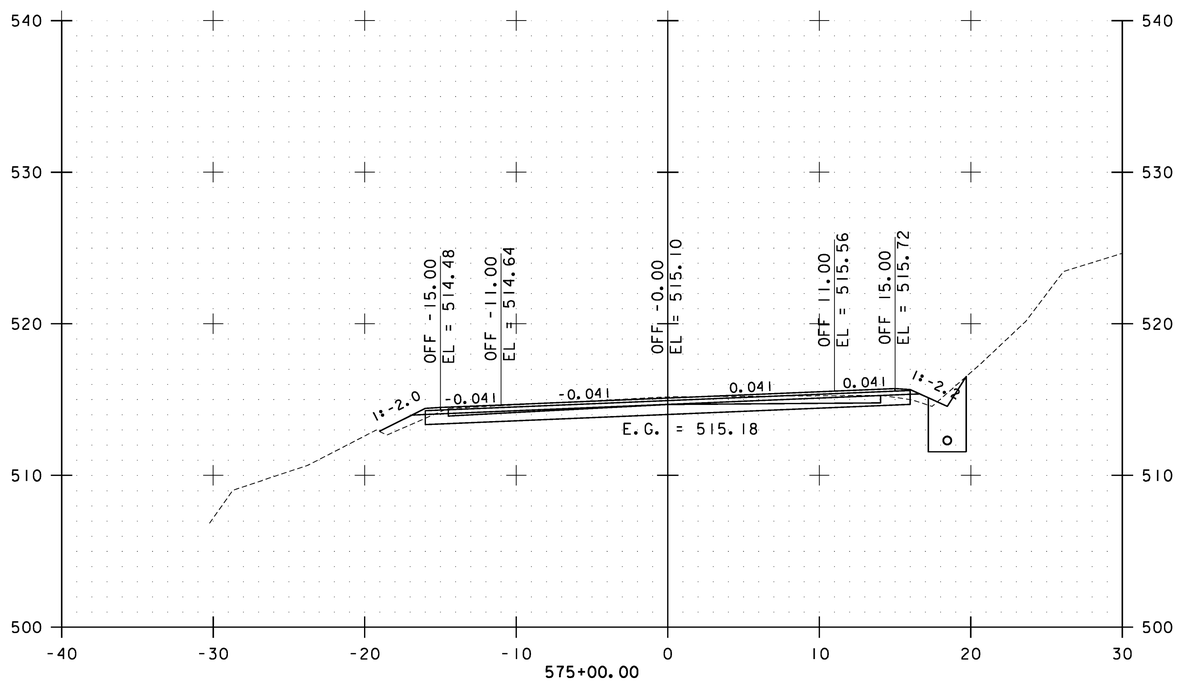
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

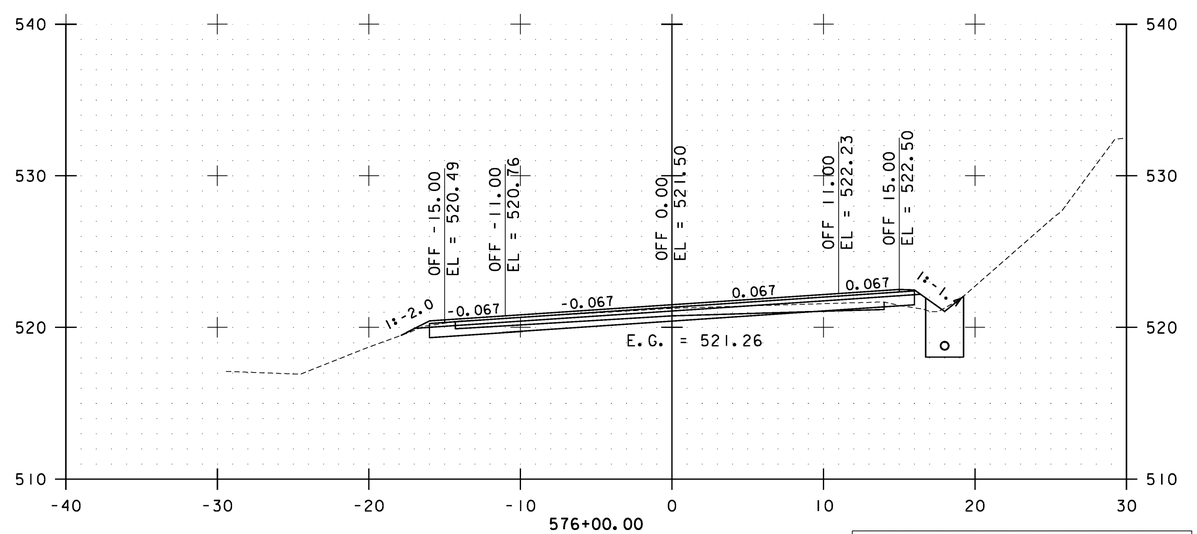
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs34.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 169 OF 387









STA. 575+00.00 TO STA. 576+50.00

0 10 20
SCALE

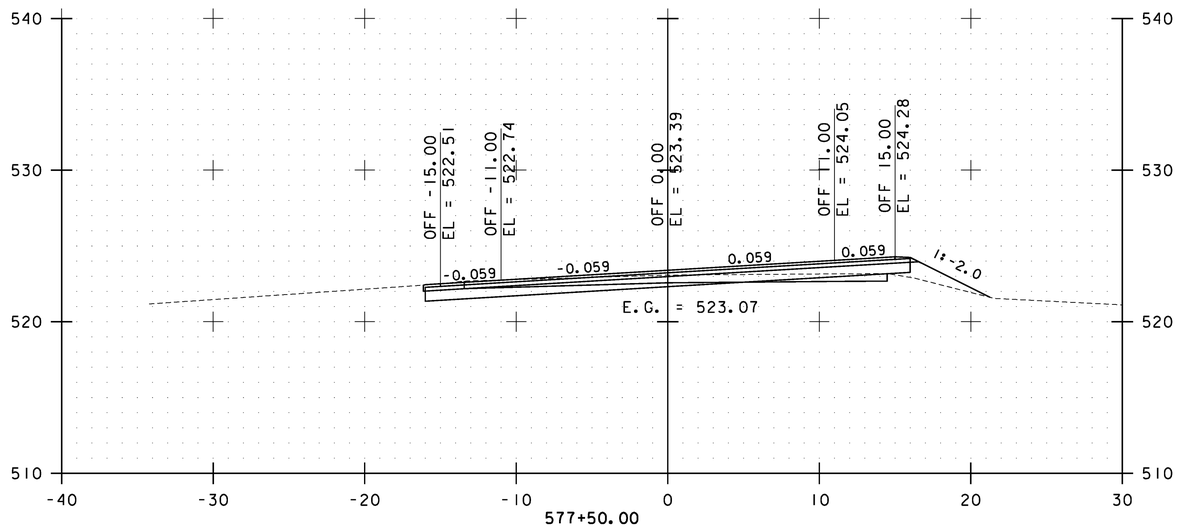
Stantec

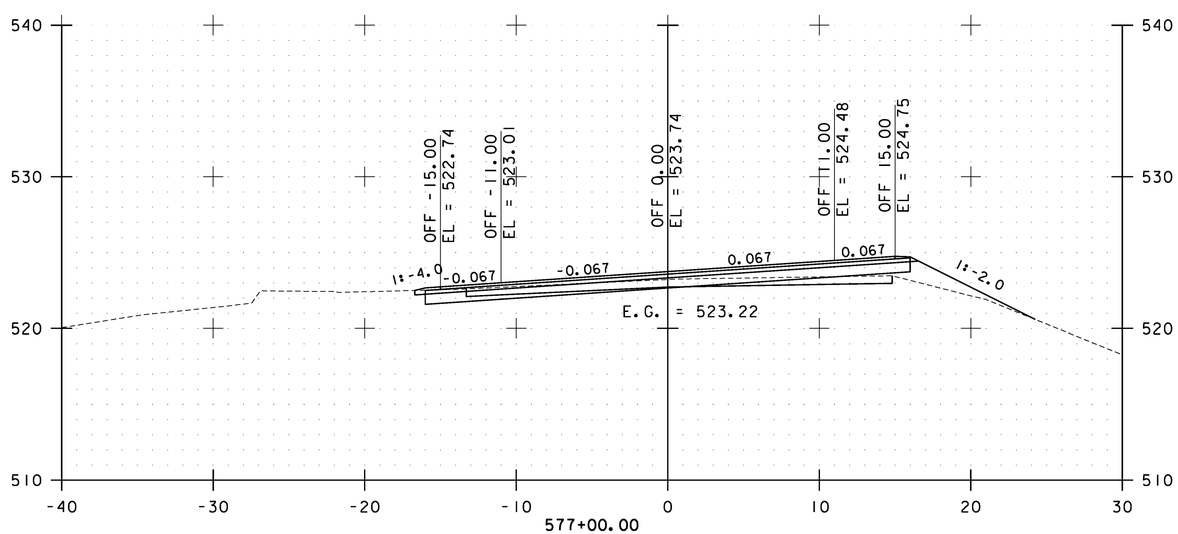
CAMBRIDGE CROSS SECTIONS SHEET #35

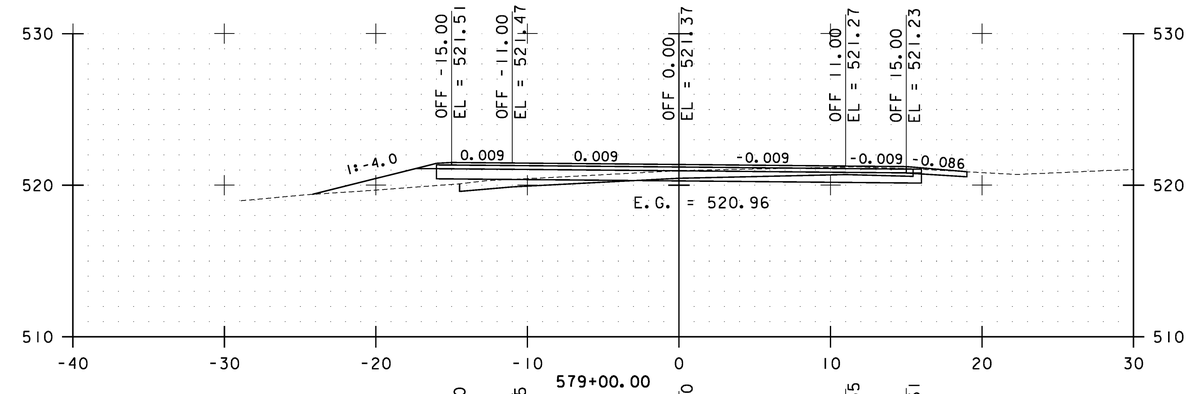
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

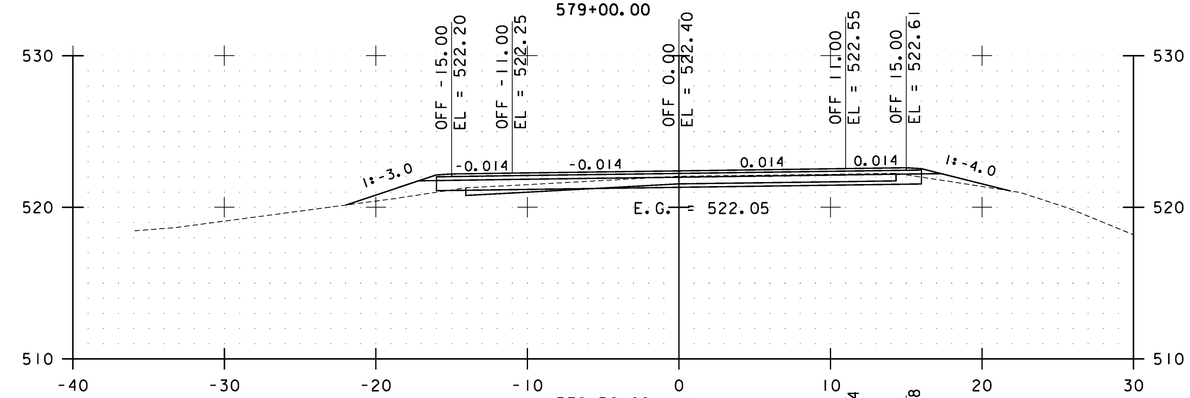
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs35.i

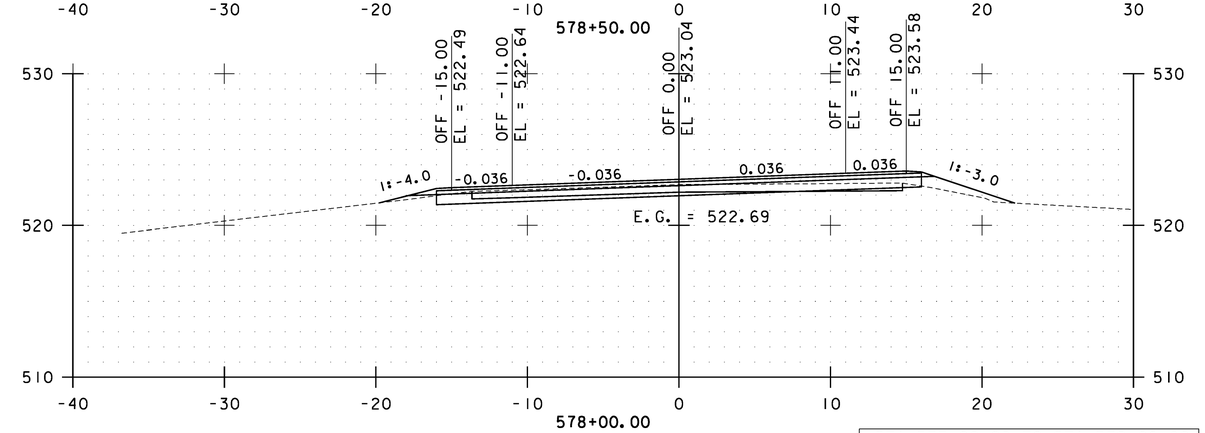
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 170 OF 387











STA. 577+00.00 TO STA. 579+00.00

0 10 20
SCALE

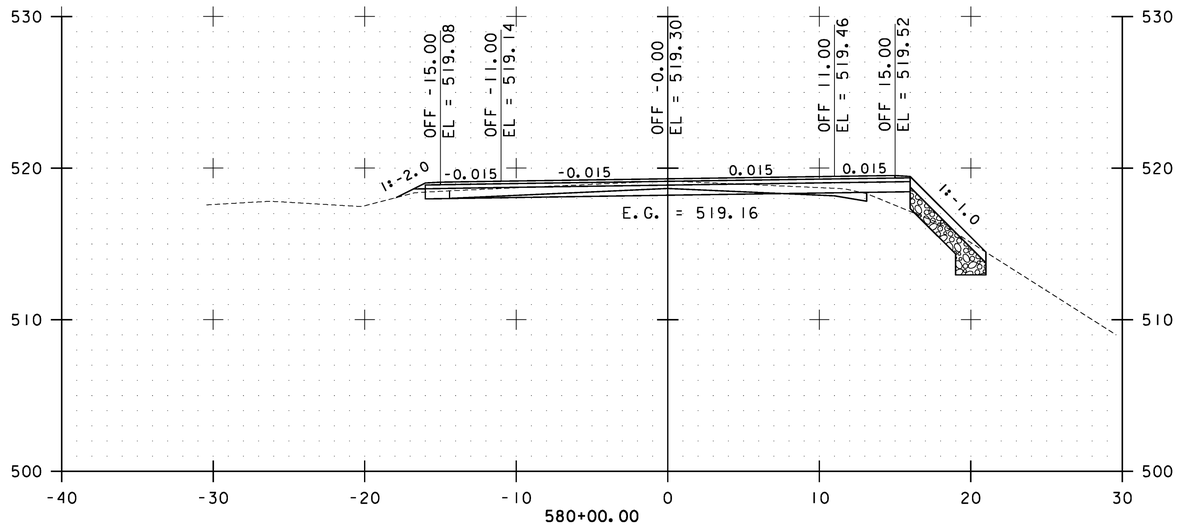
Stantec

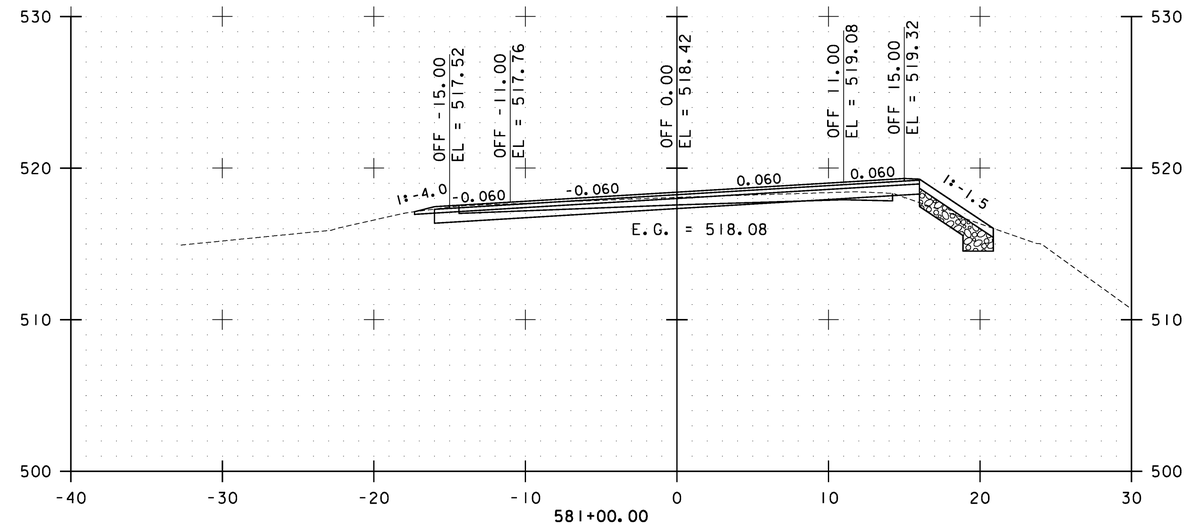
CAMBRIDGE CROSS SECTIONS SHEET #36

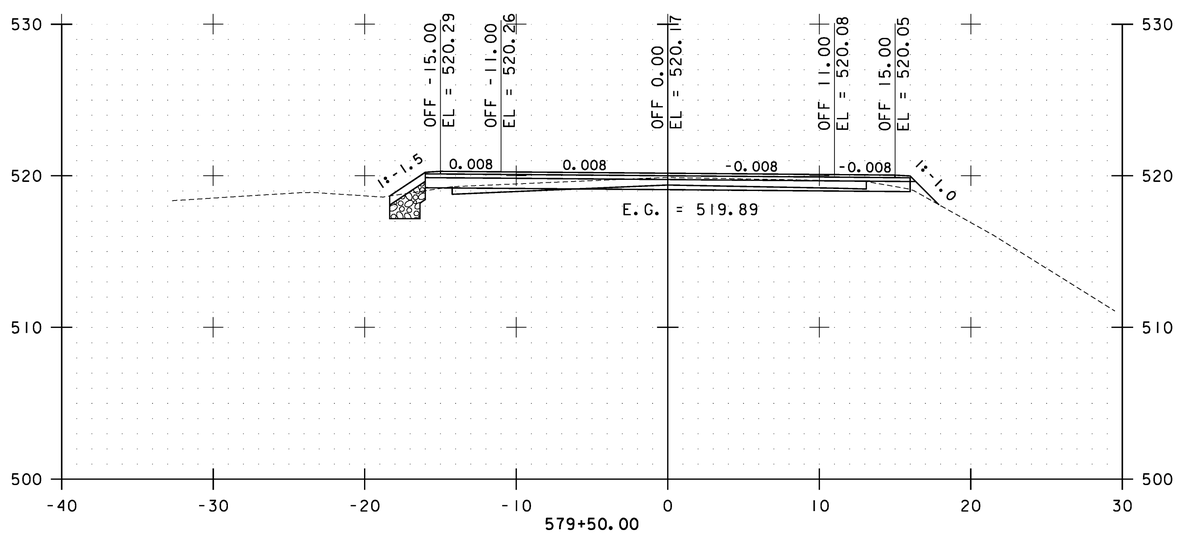
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

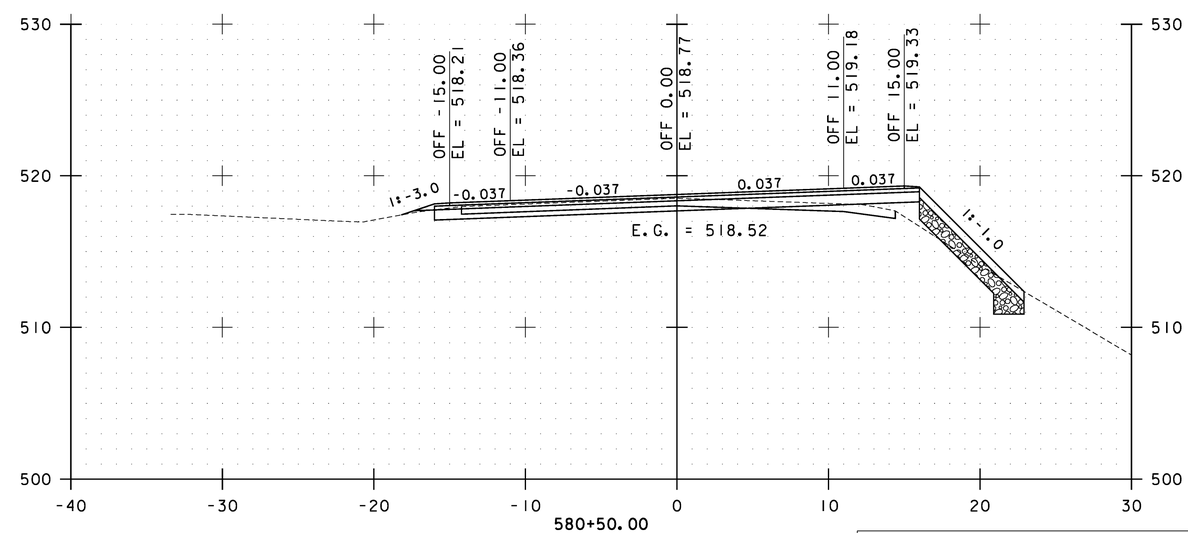
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs36.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 171 OF 387









STA. 579+50.00 TO STA. 581+00.00

0 10 20
SCALE

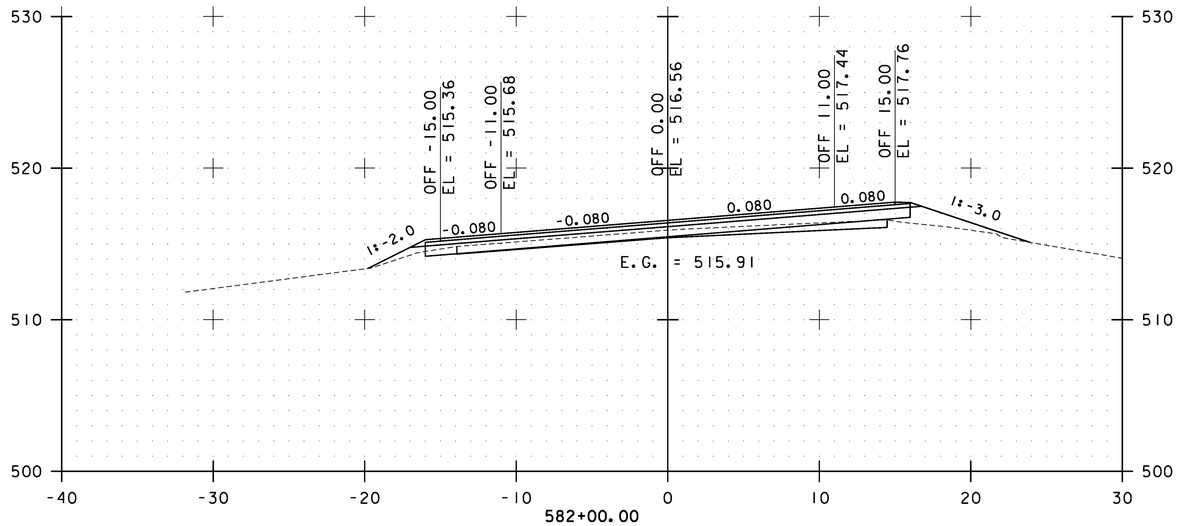
Stantec

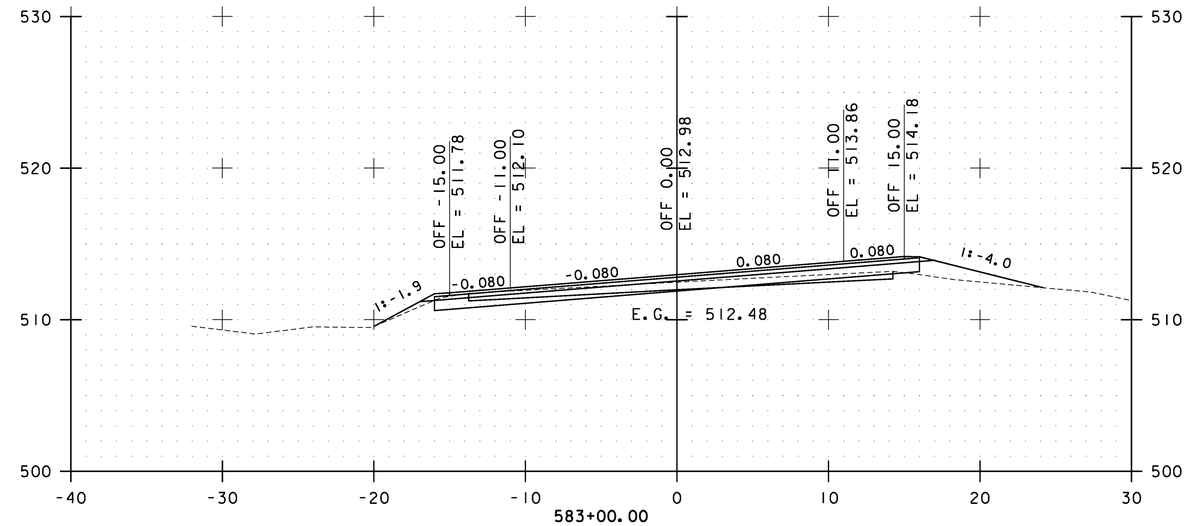
CAMBRIDGE CROSS SECTIONS SHEET #37

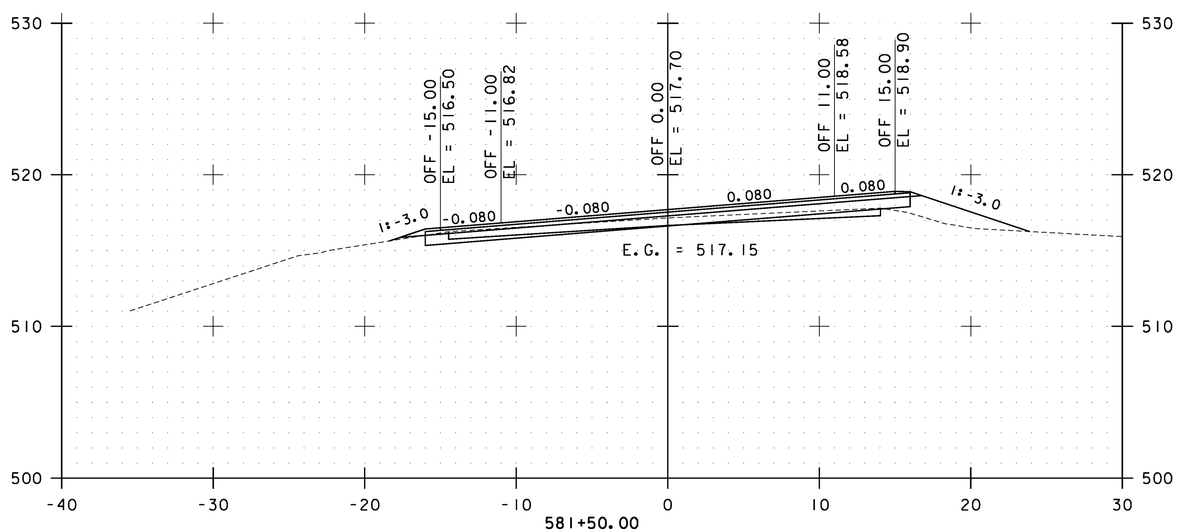
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

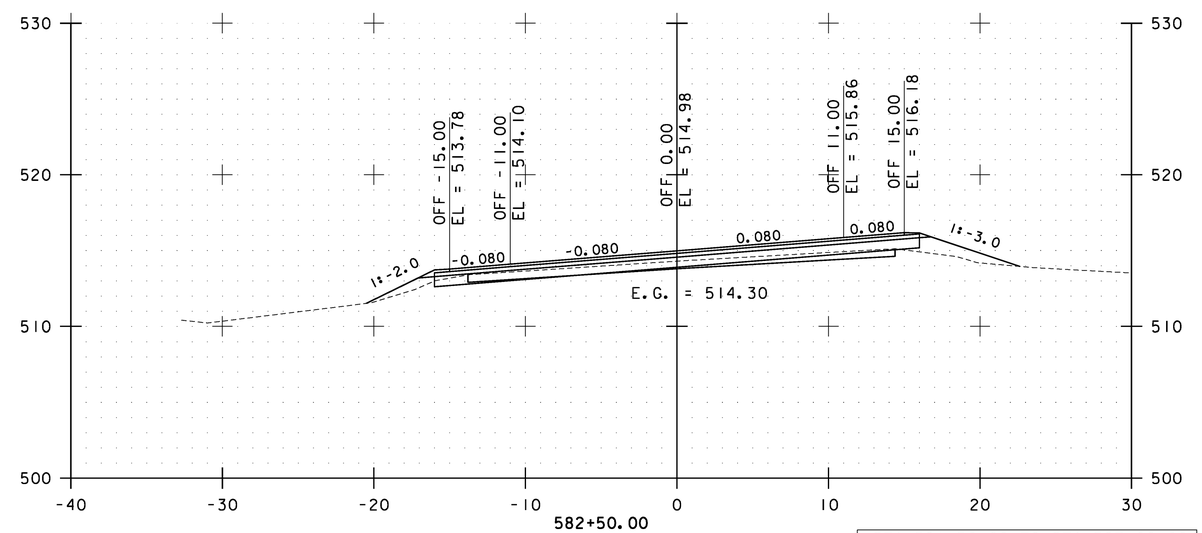
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs37.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 172 OF 387









STA. 581+50.00 TO STA. 583+00.00

0 10 20
SCALE

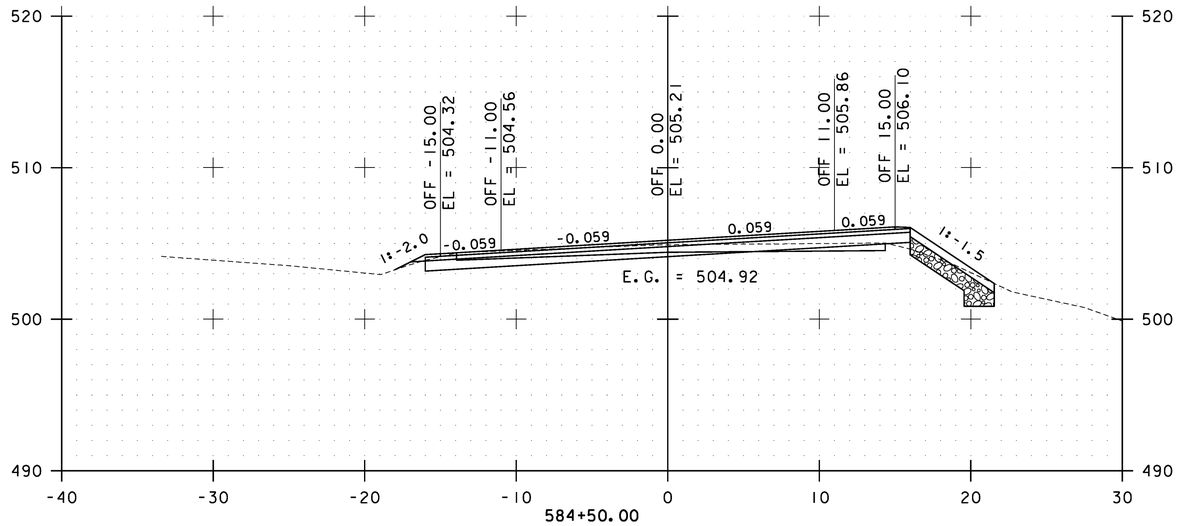
Stantec

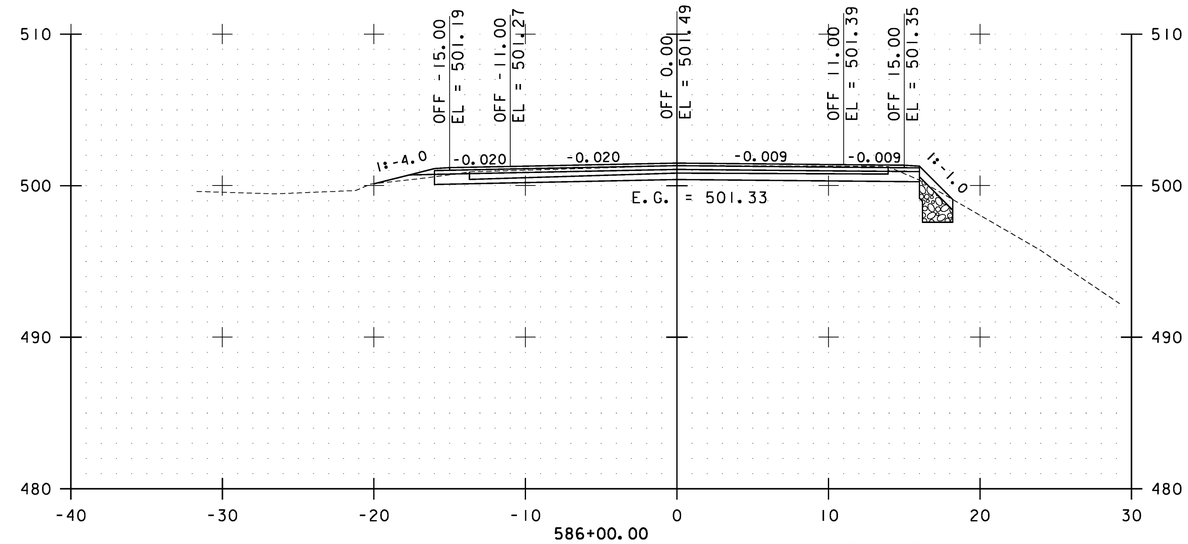
CAMBRIDGE CROSS SECTIONS SHEET #38

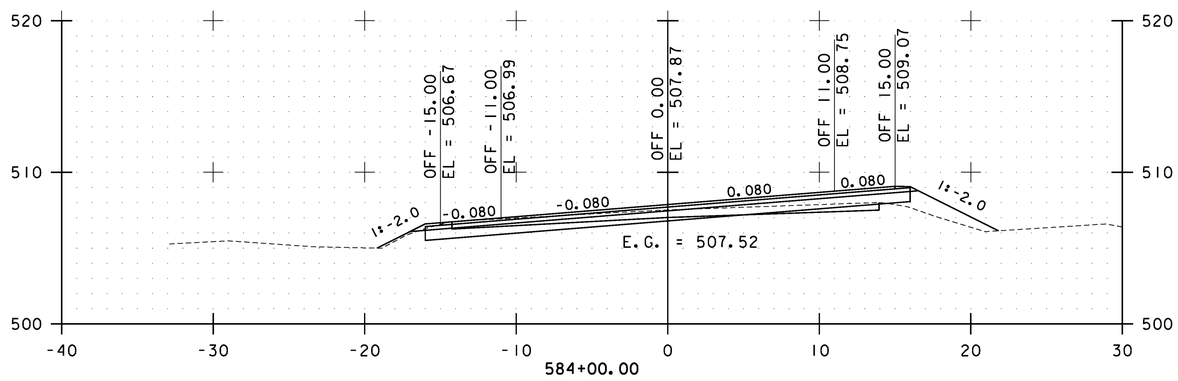
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

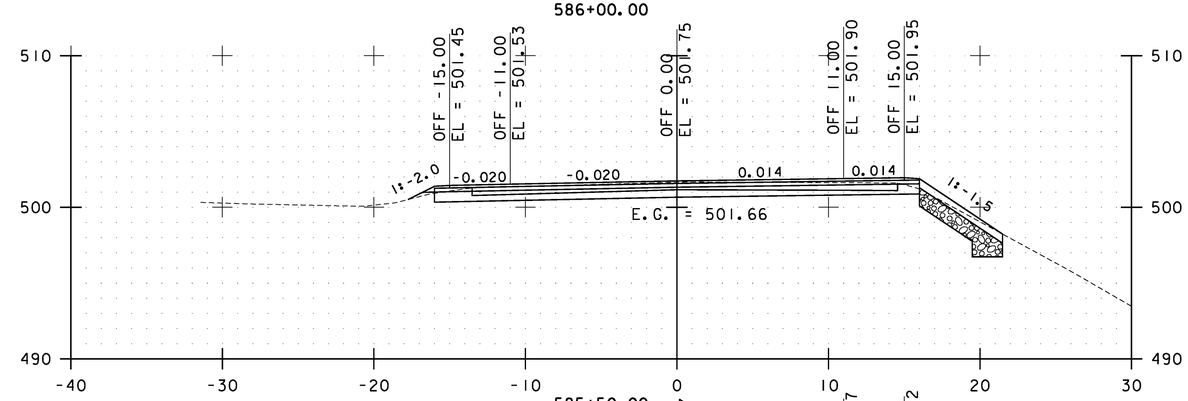
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs38.i

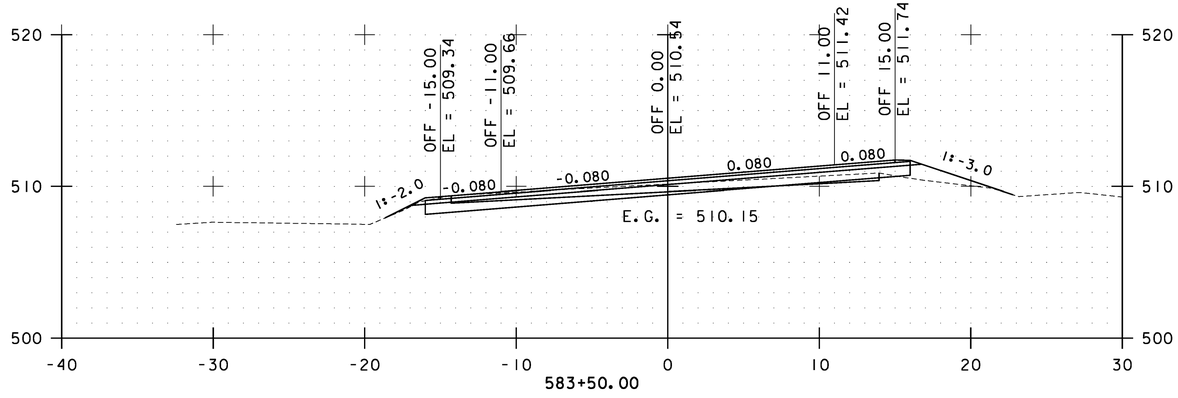
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 173 OF 387

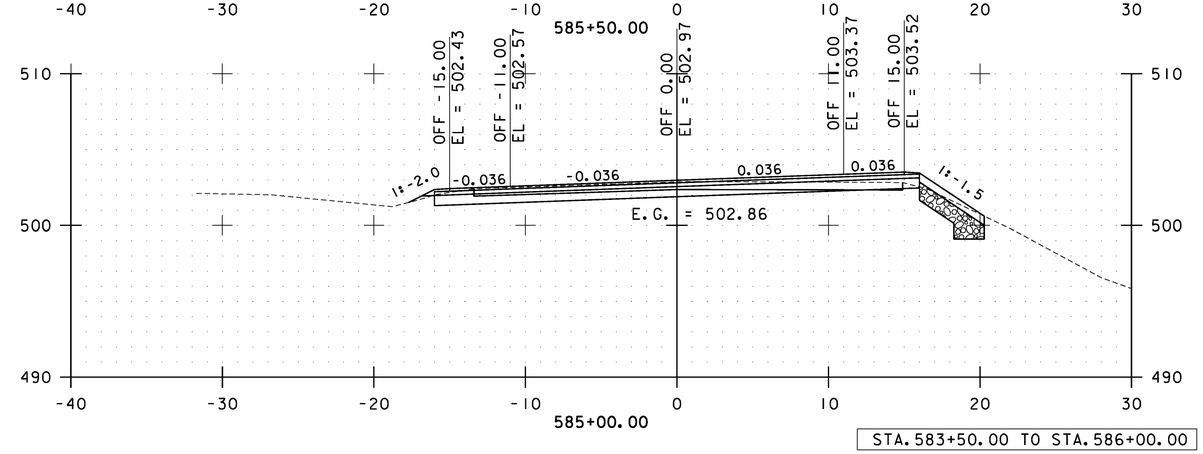












STA. 583+50.00 TO STA. 586+00.00

0 10 20
SCALE

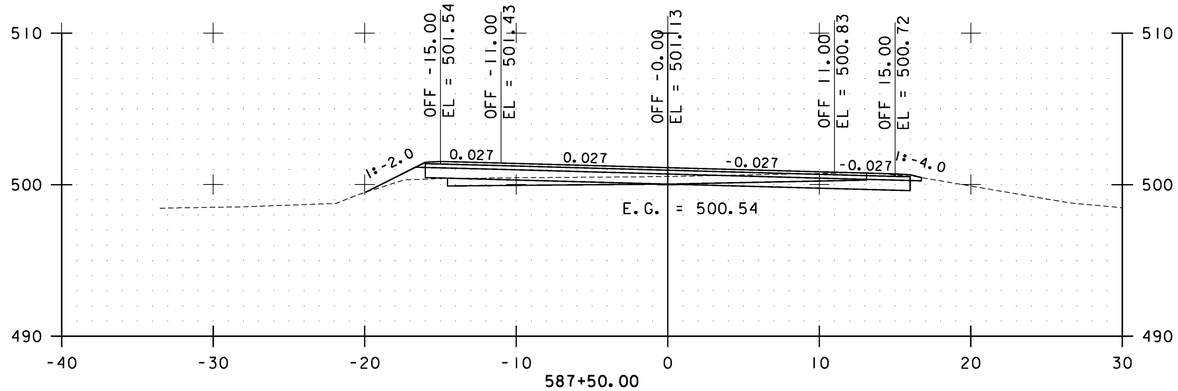
Stantec

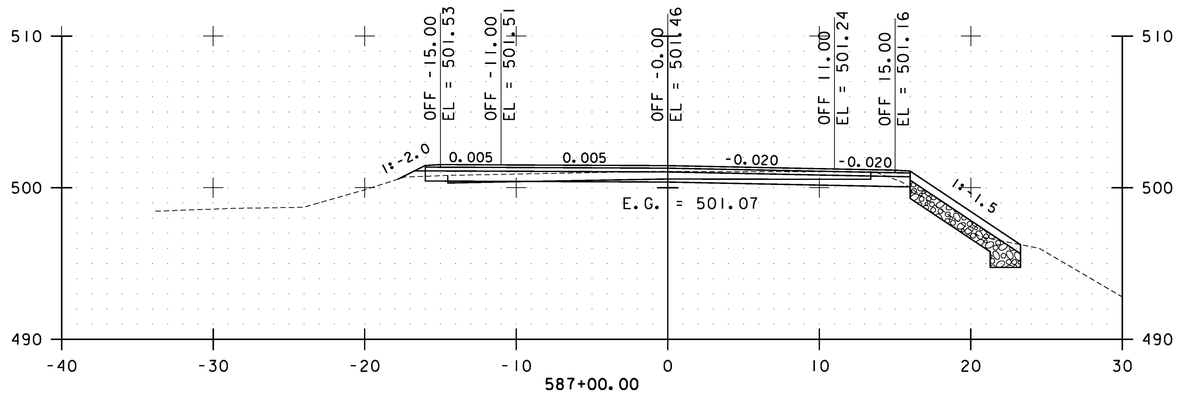
CAMBRIDGE CROSS SECTIONS SHEET #39

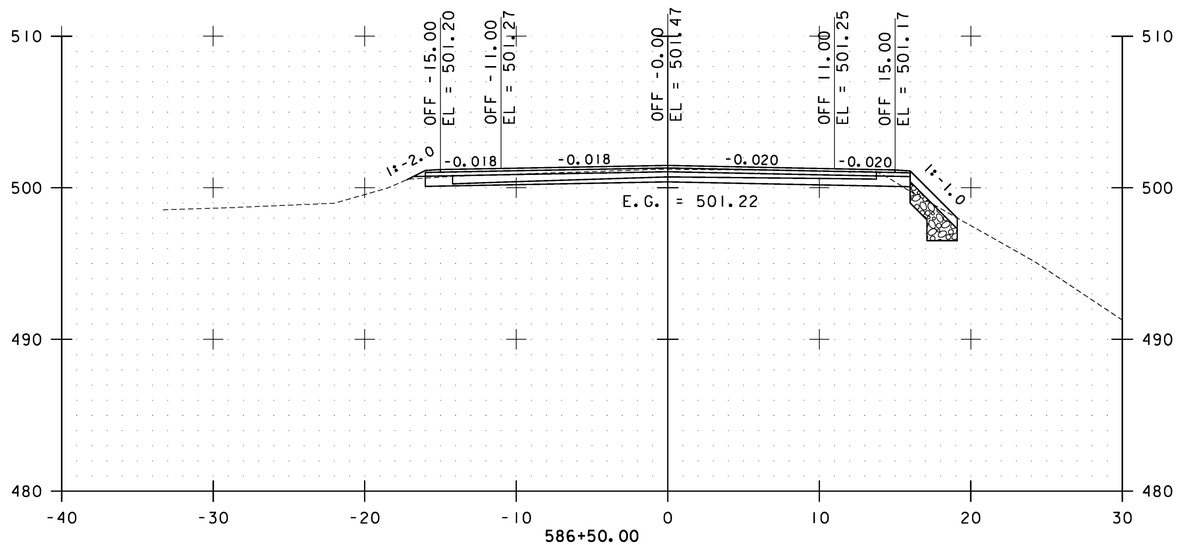
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

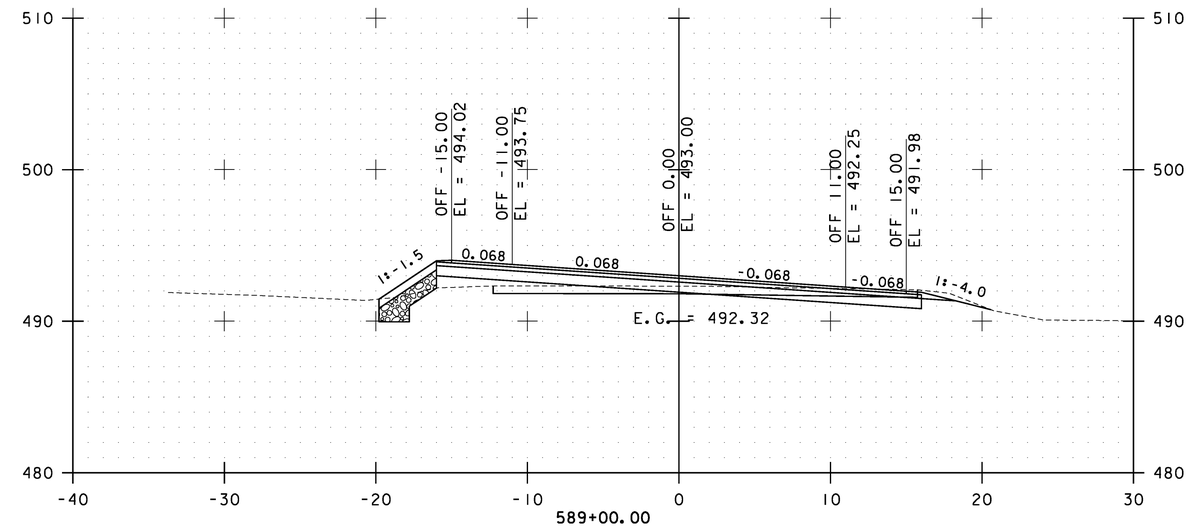
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs39.i

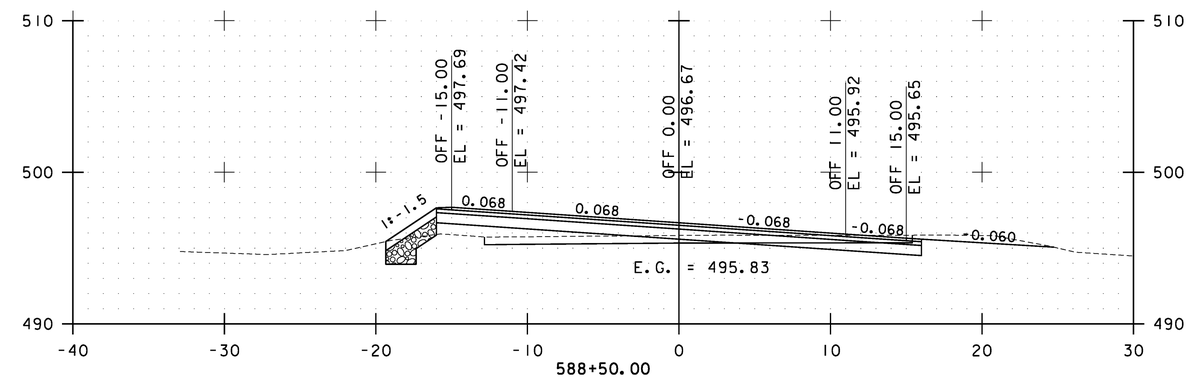
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 174 OF 387

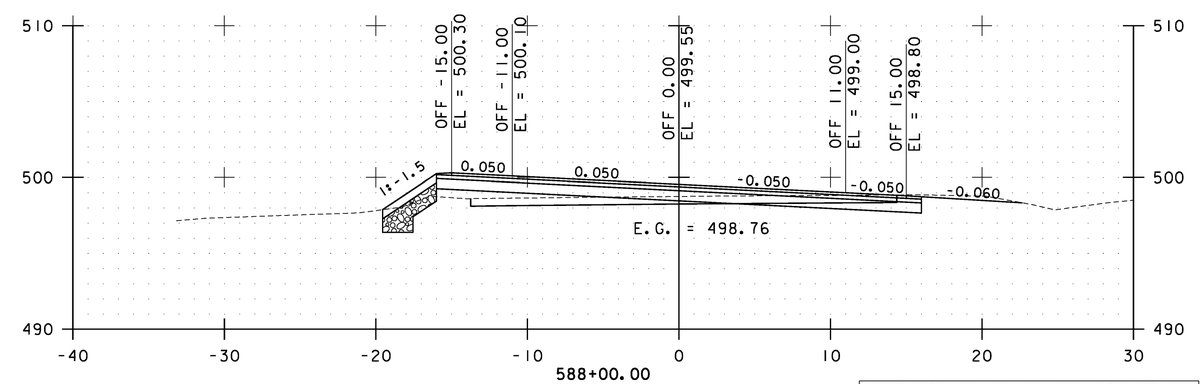












STA. 586+50.00 TO STA. 589+00.00

0 10 20
SCALE

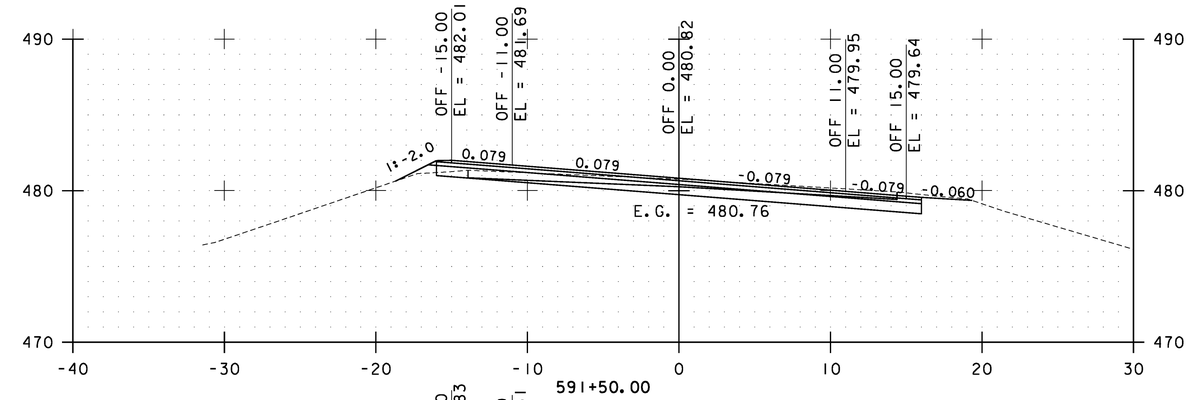
Stantec

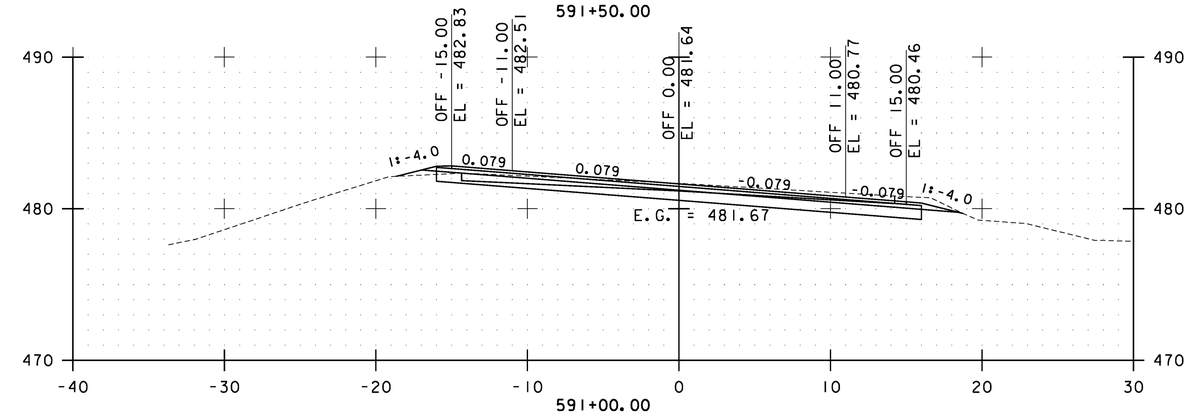
CAMBRIDGE CROSS SECTIONS SHEET #40

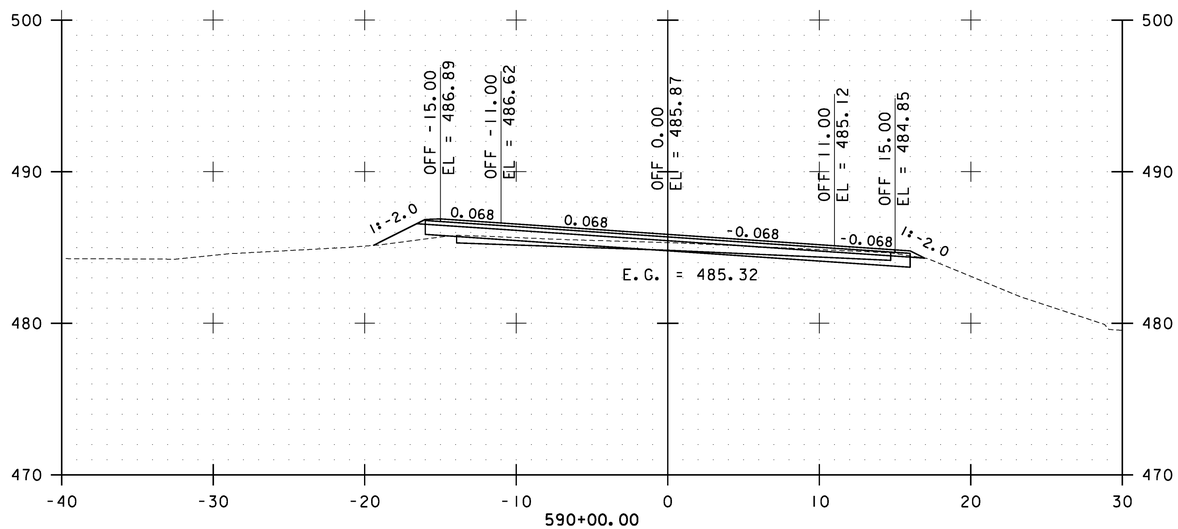
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

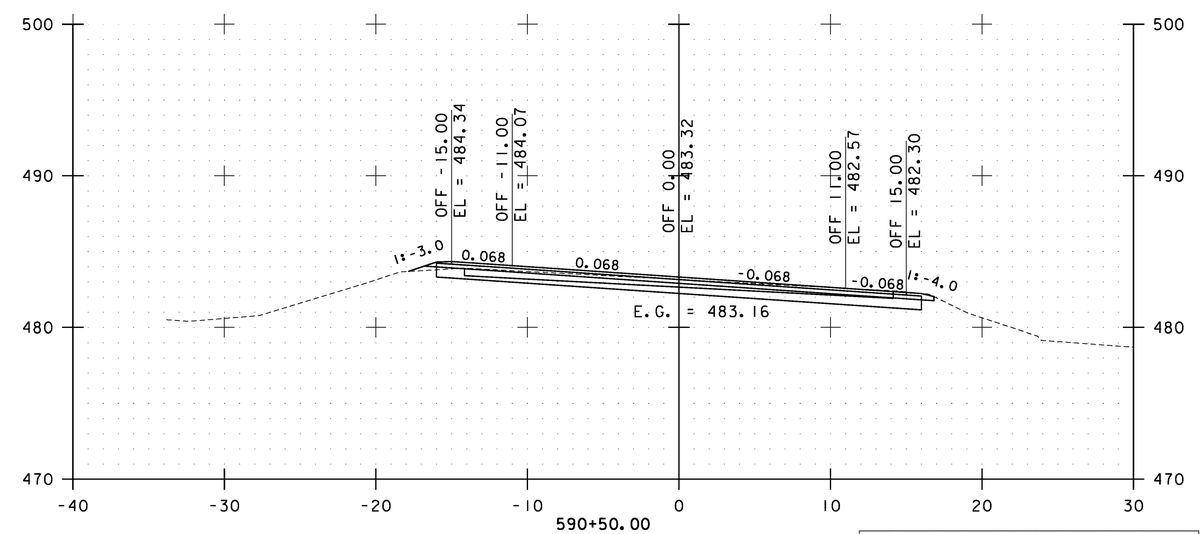
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs40.i

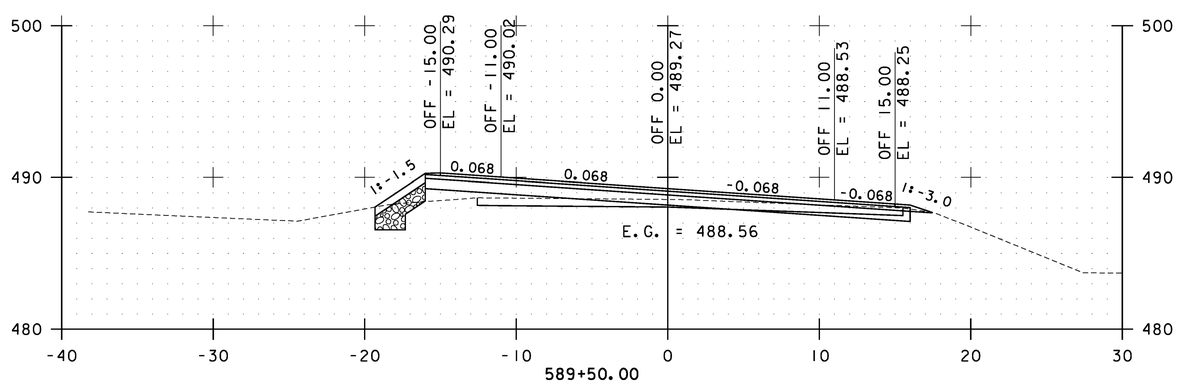
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 175 OF 387











STA. 589+50.00 TO STA. 591+50.00

0 10 20
SCALE

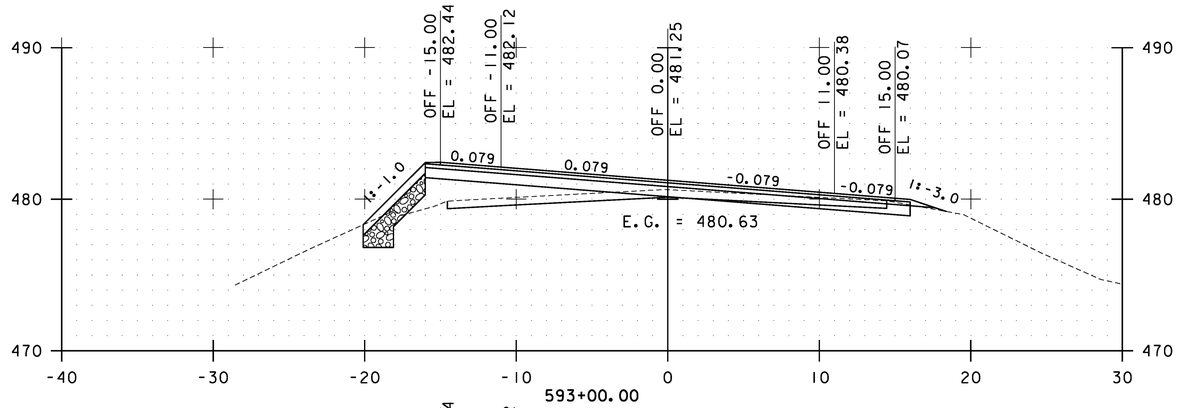
Stantec

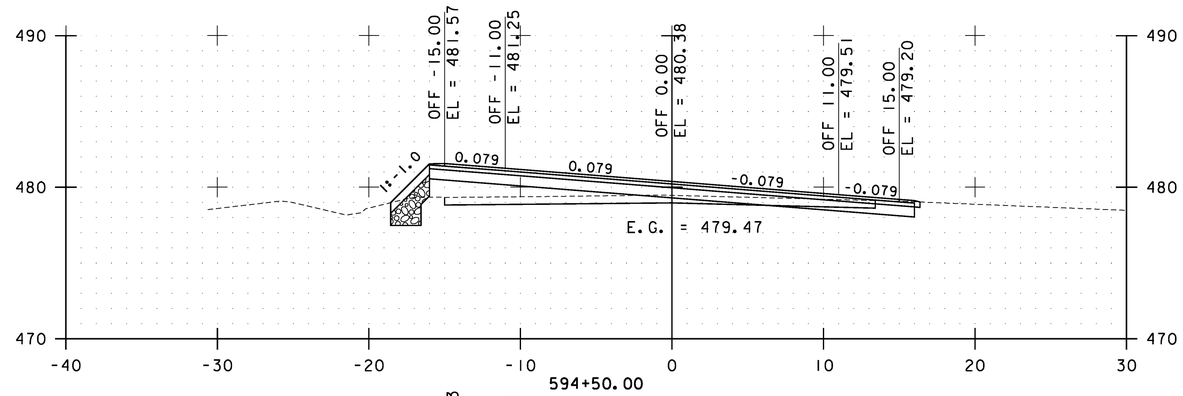
CAMBRIDGE CROSS SECTIONS SHEET #41

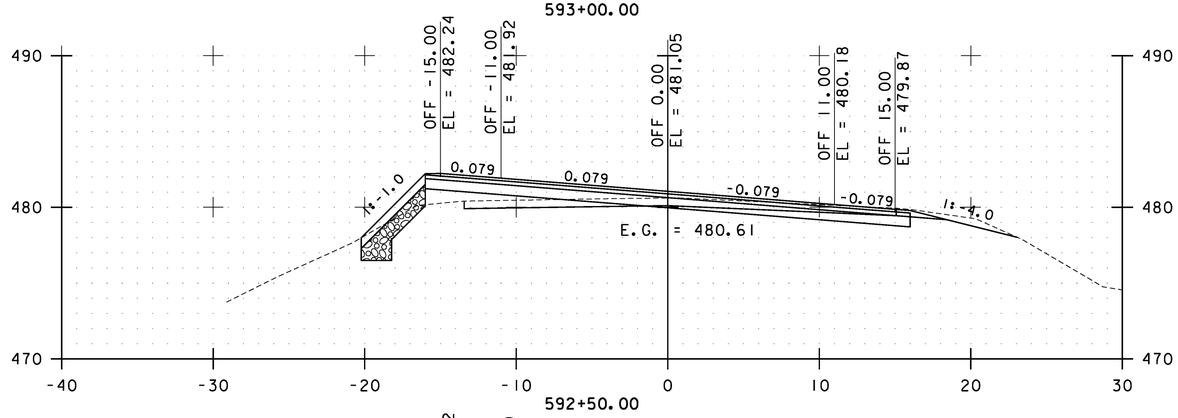
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

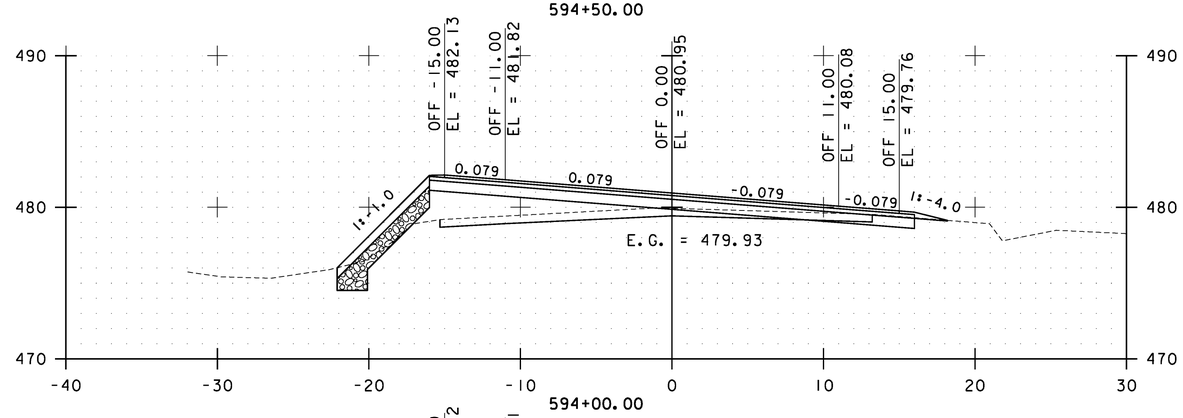
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs41.i

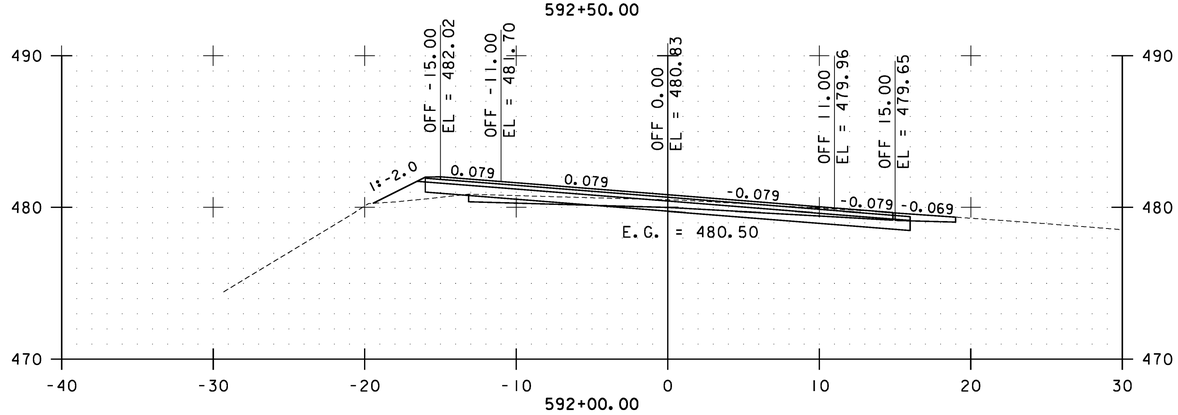
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 176 OF 387

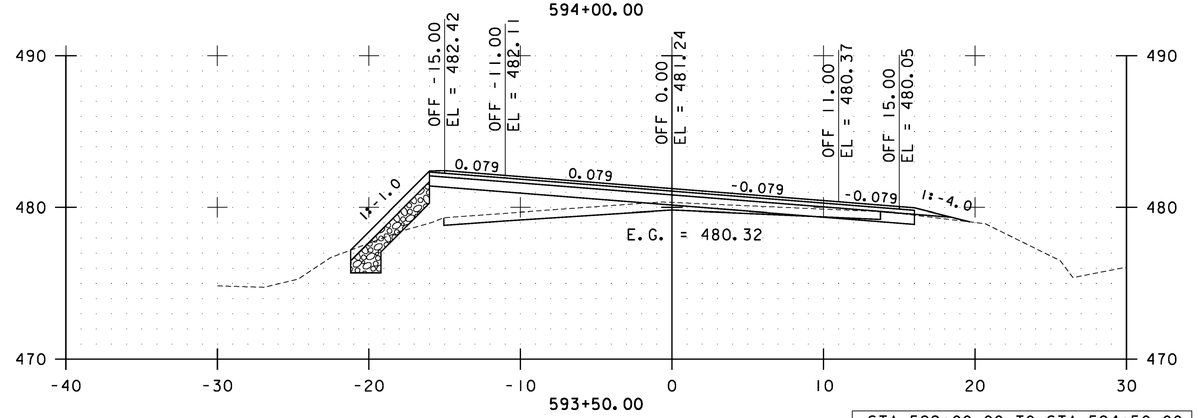












STA. 592+00.00 TO STA. 594+50.00

0 10 20
SCALE

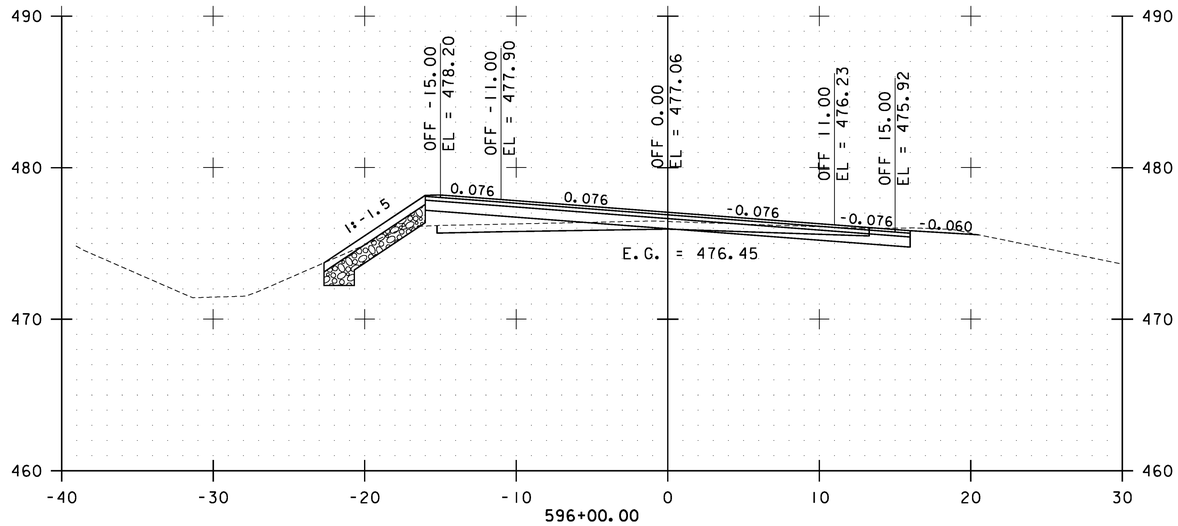
Stantec

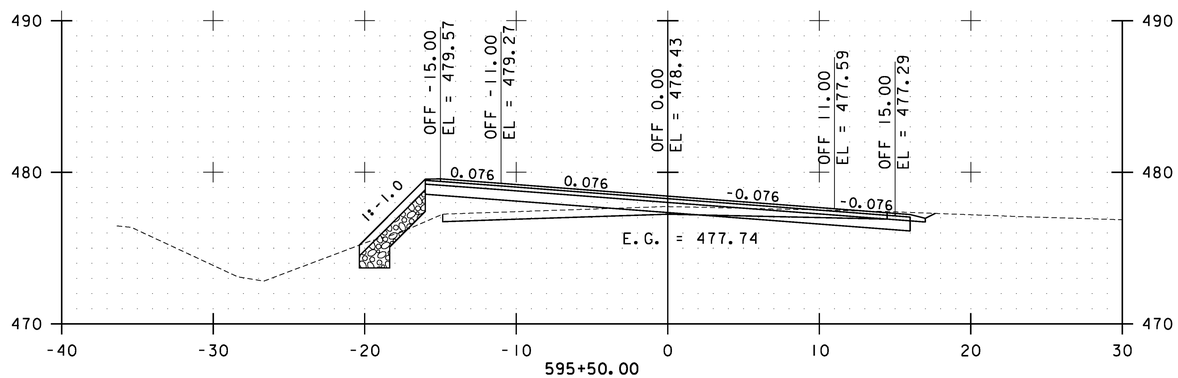
CAMBRIDGE CROSS SECTIONS SHEET #42

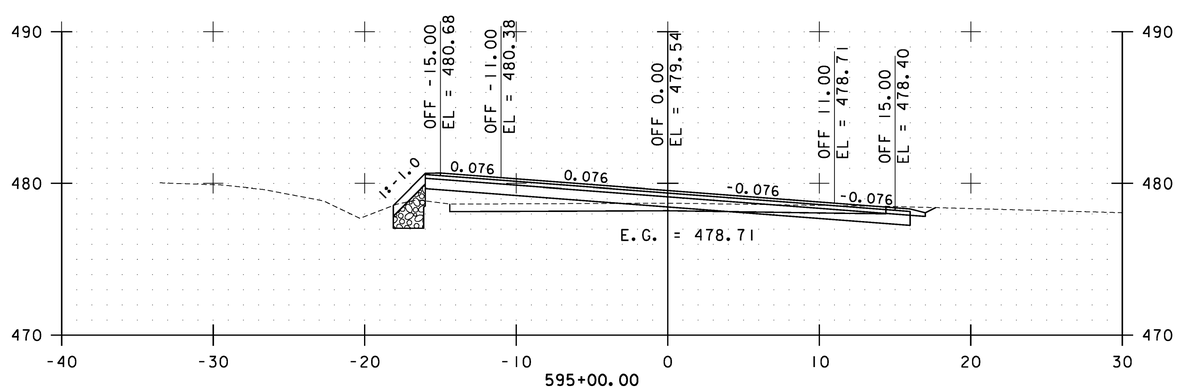
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

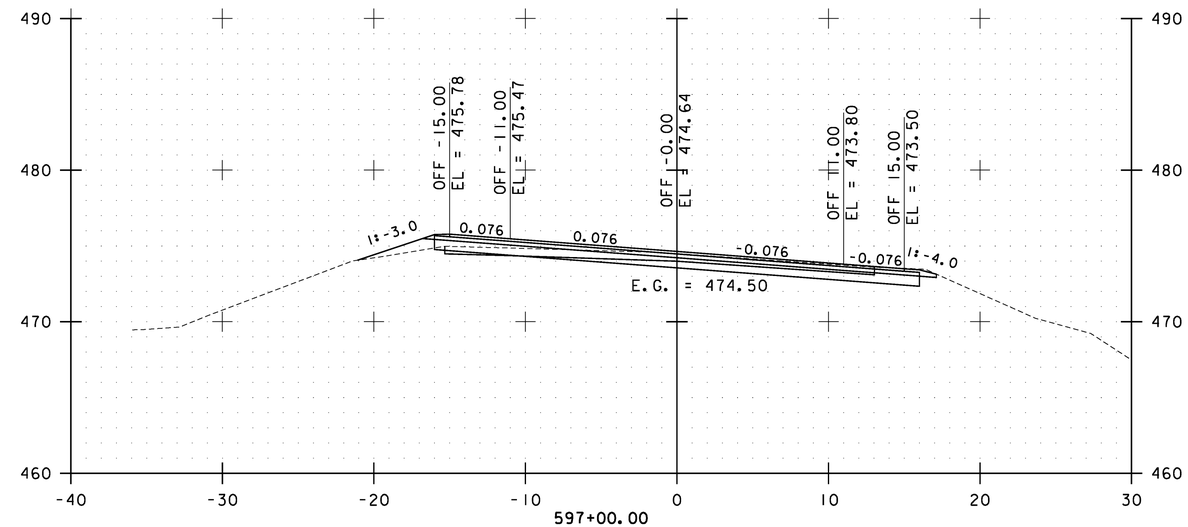
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs42.i

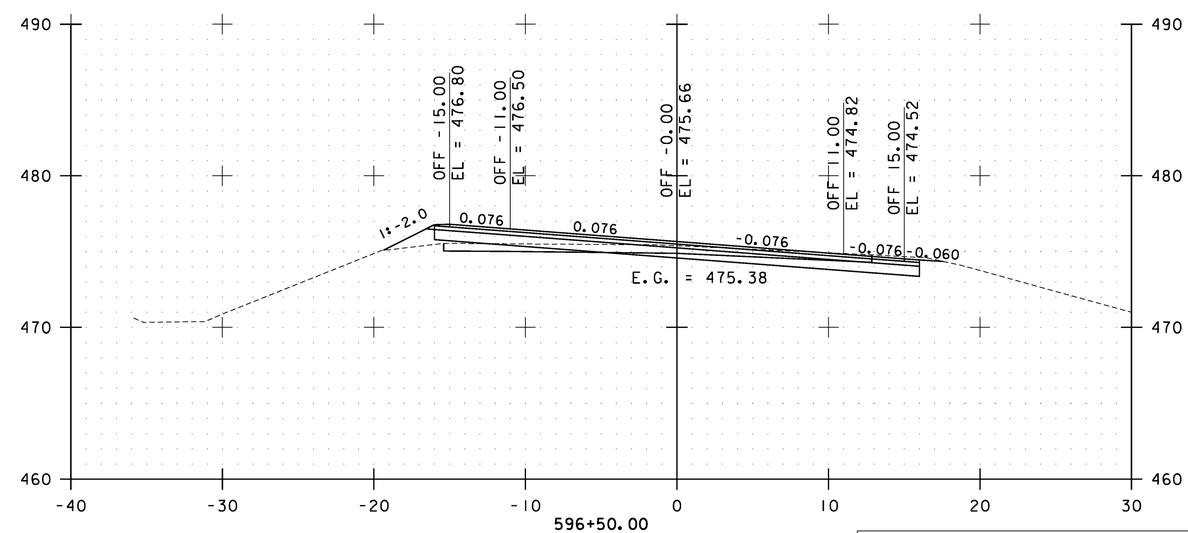
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 177 OF 387











STA. 595+00.00 TO STA. 597+00.00

0 10 20
SCALE

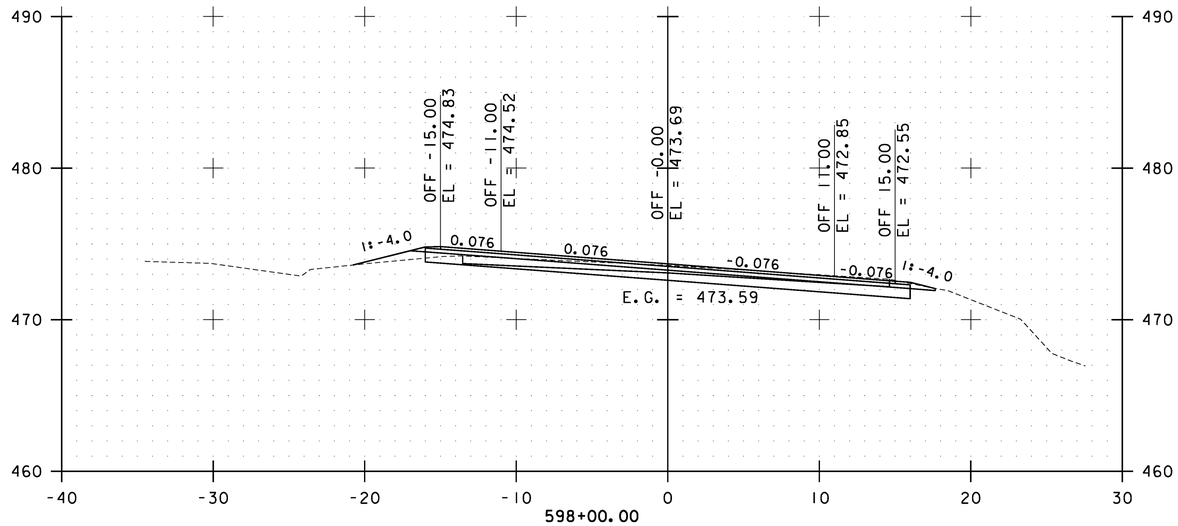
Stantec

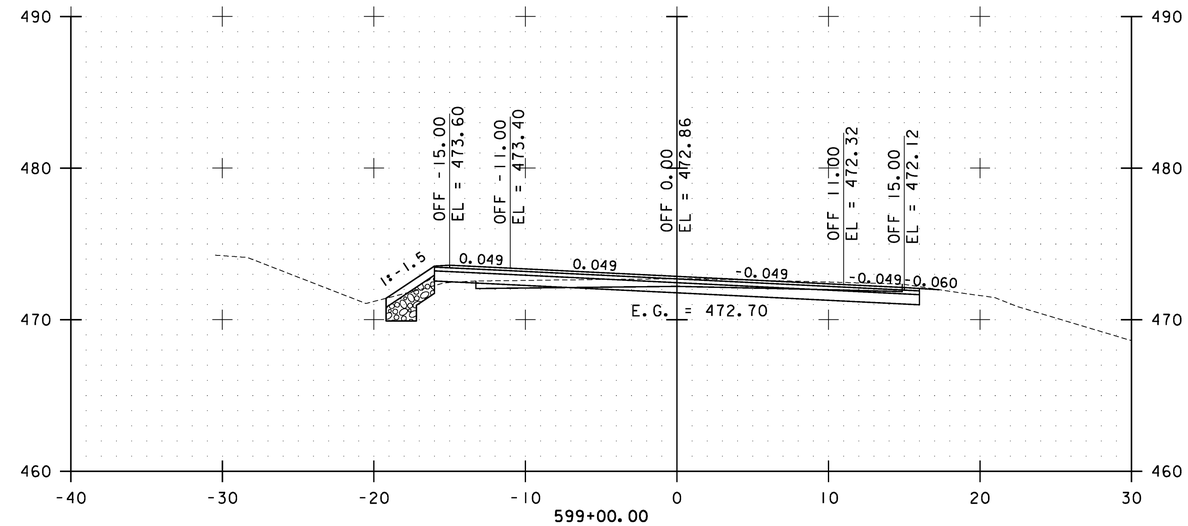
CAMBRIDGE CROSS SECTIONS SHEET #43

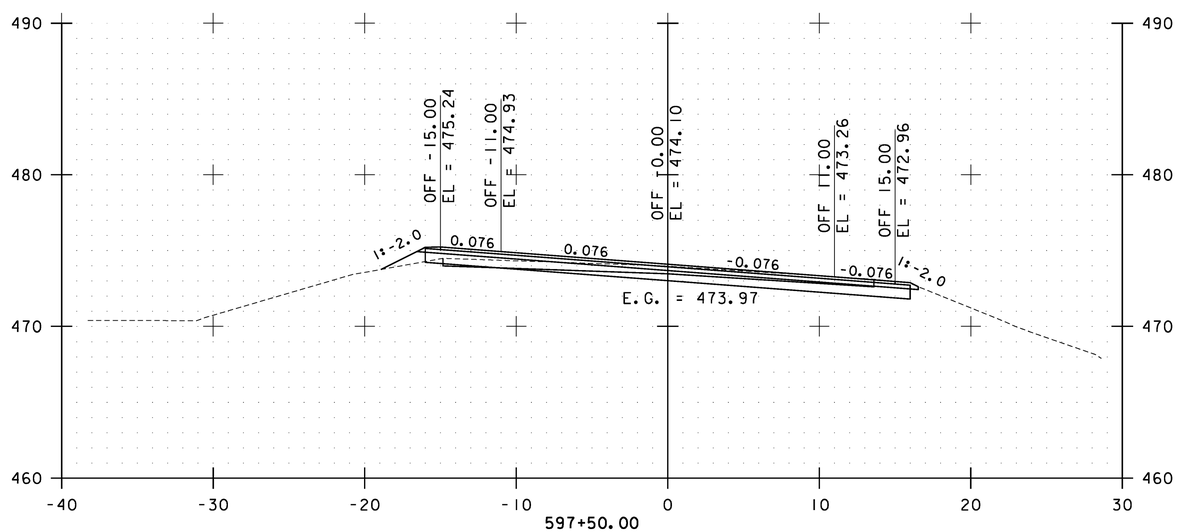
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

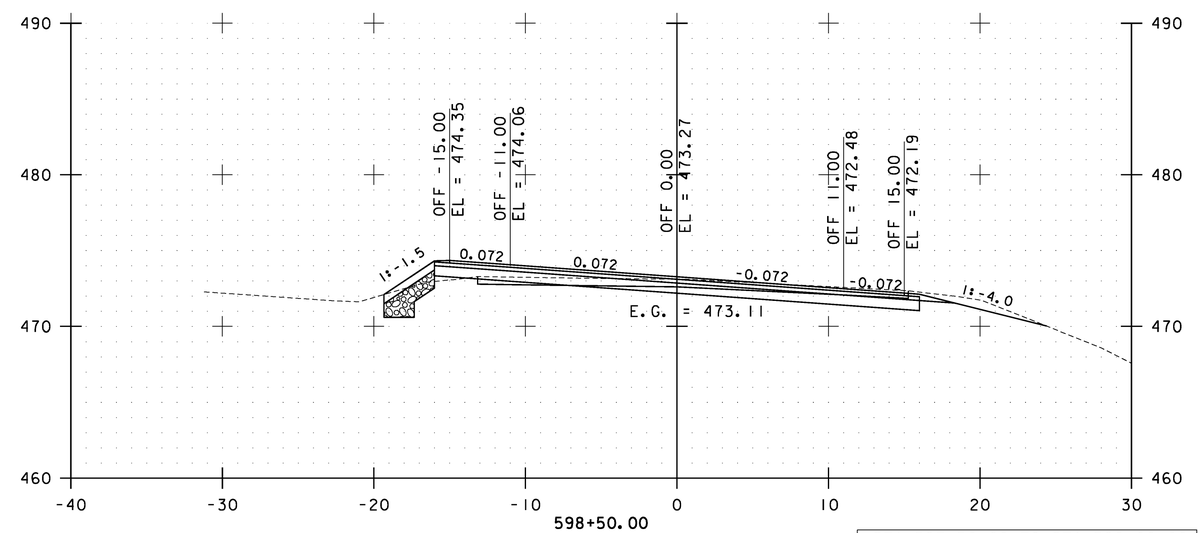
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs43.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 178 OF 387









STA. 597+50.00 TO STA. 599+00.00

0 10 20
SCALE

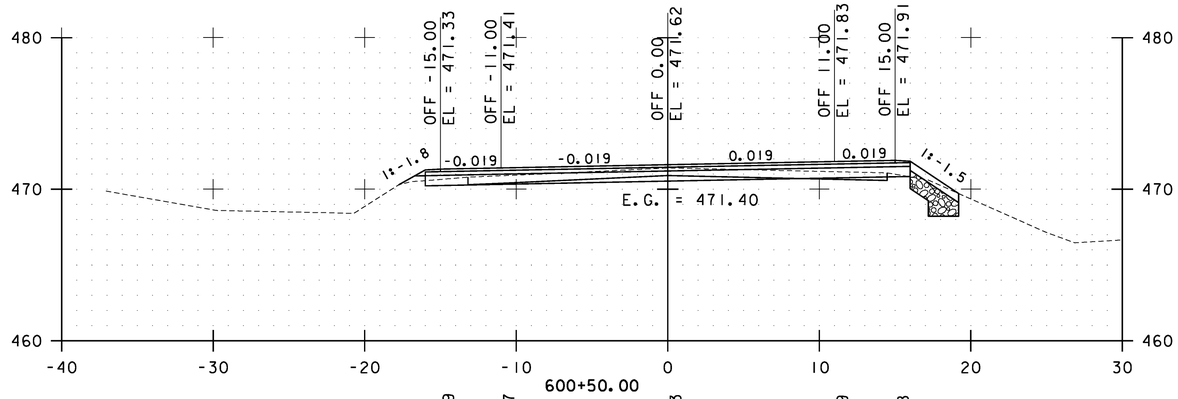
Stantec

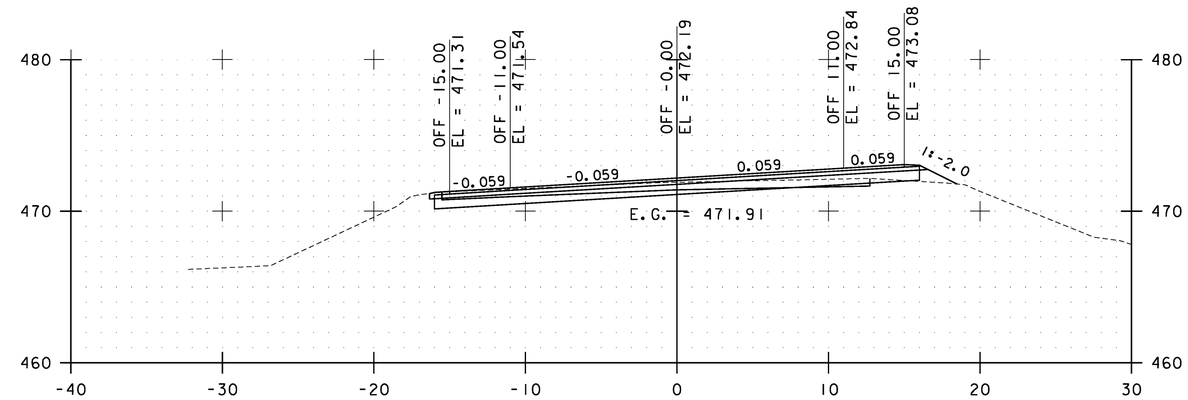
CAMBRIDGE CROSS SECTIONS SHEET #44

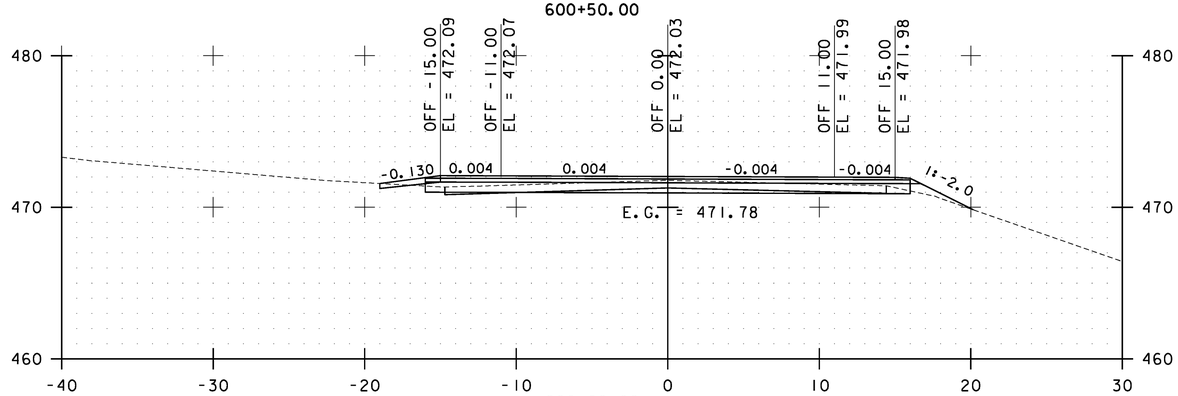
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

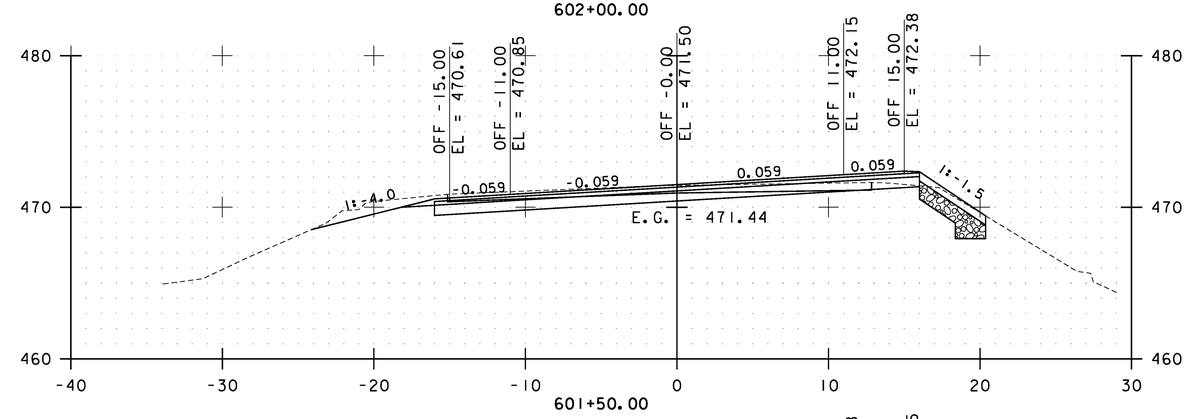
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs44.i

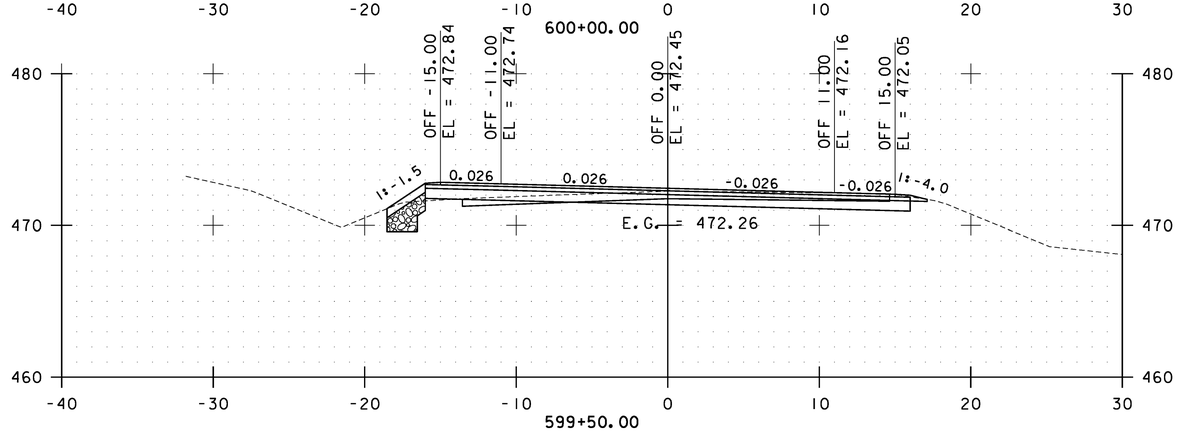
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 179 OF 387

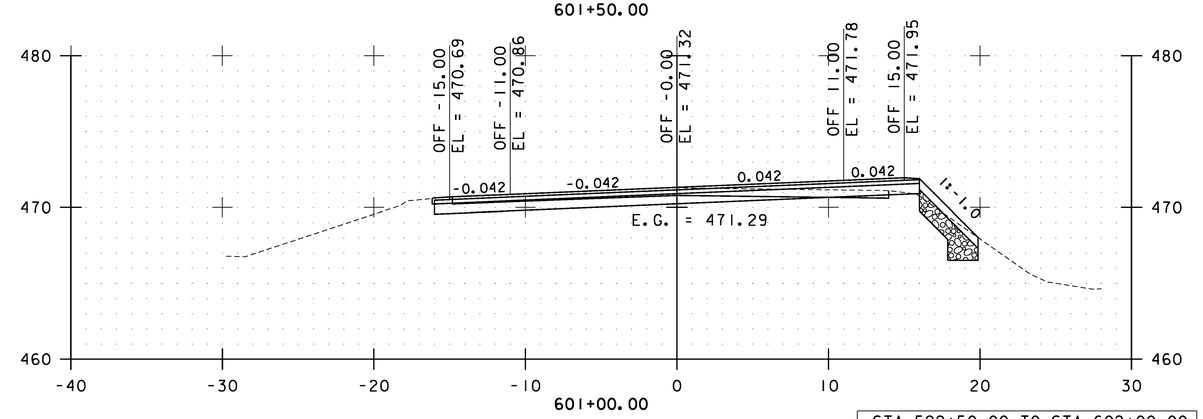












STA. 599+50.00 TO STA. 602+00.00

0 10 20
SCALE

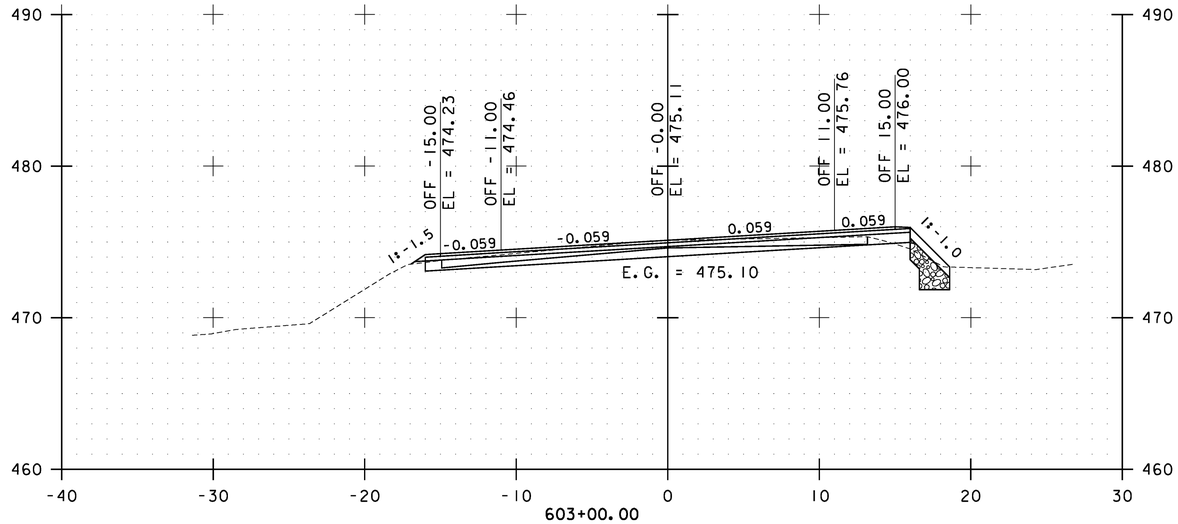
Stantec

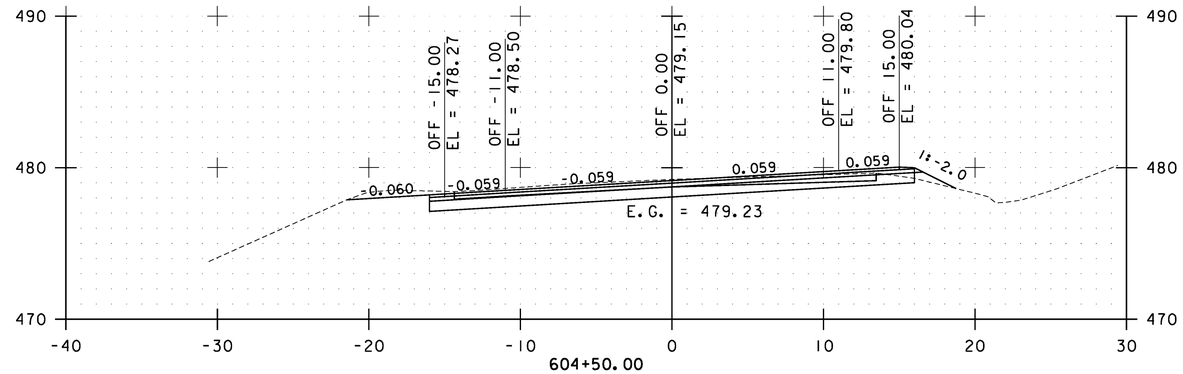
CAMBRIDGE CROSS SECTIONS SHEET #45

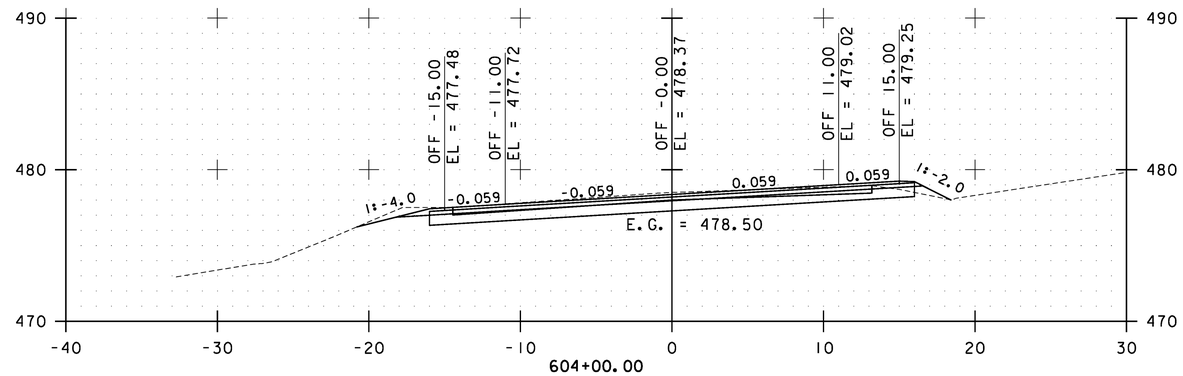
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

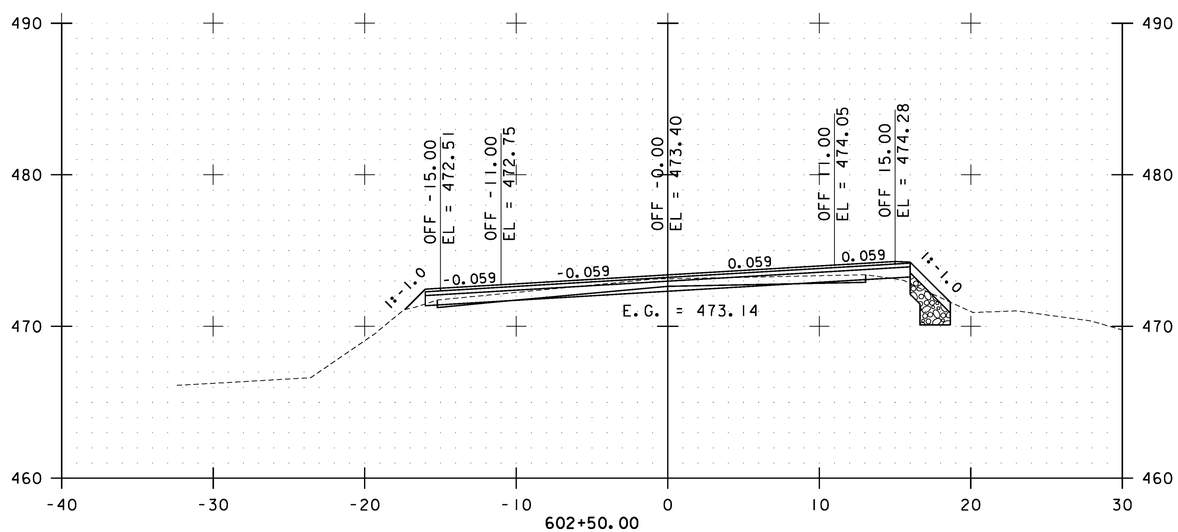
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs45.i

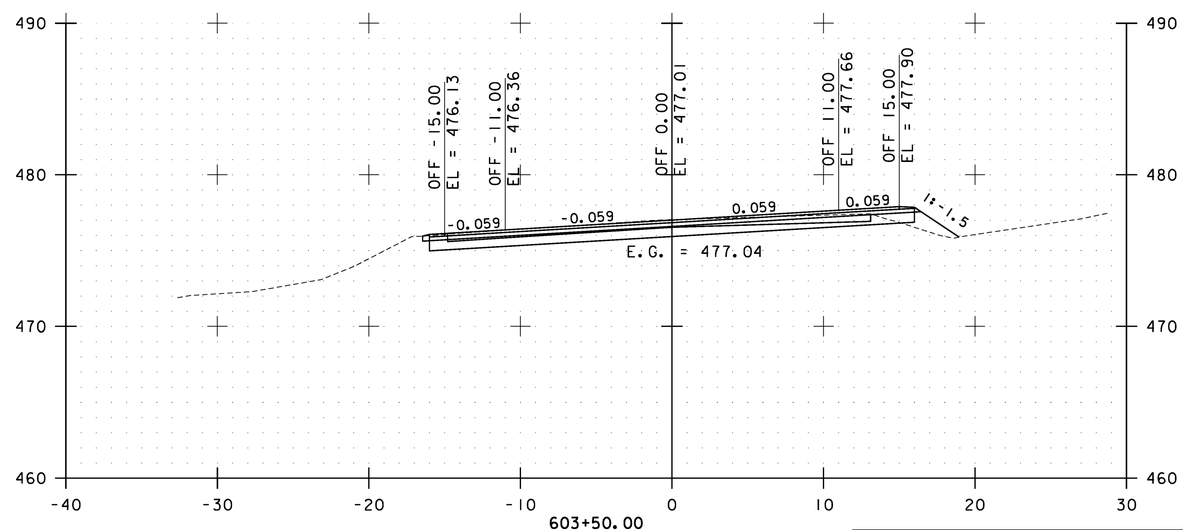
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 180 OF 387











STA. 602+50.00 TO STA. 604+50.00

0 10 20
SCALE

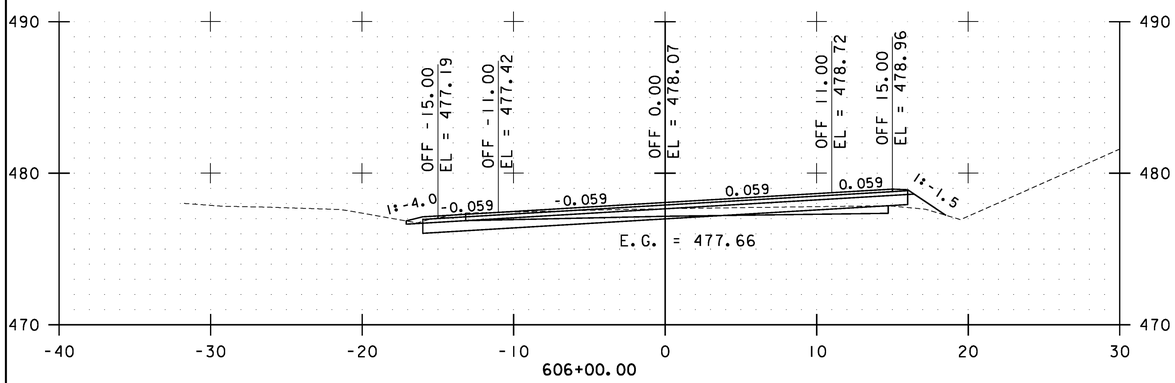
Stantec

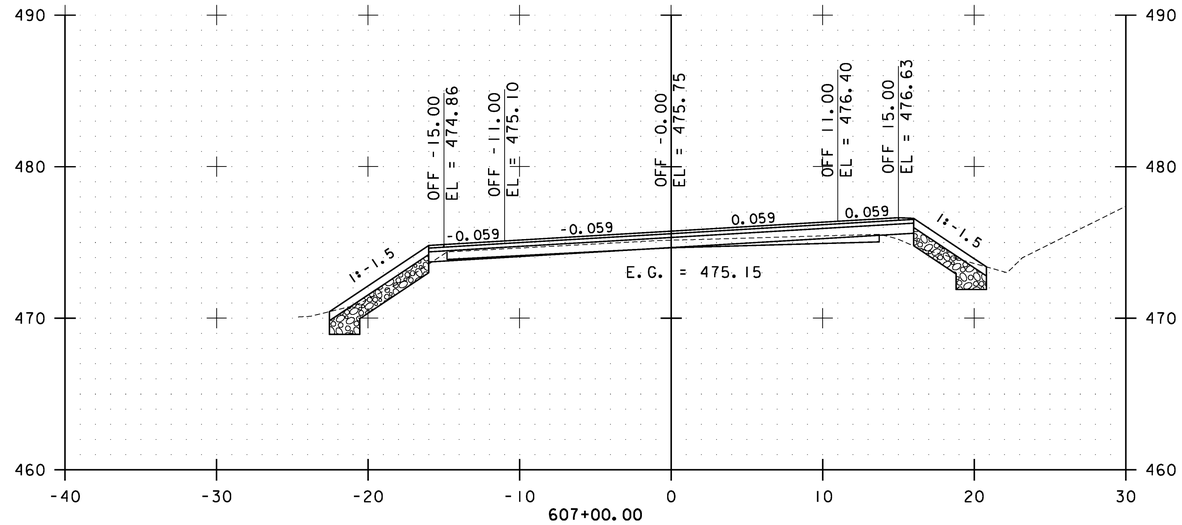
CAMBRIDGE CROSS SECTIONS SHEET #46

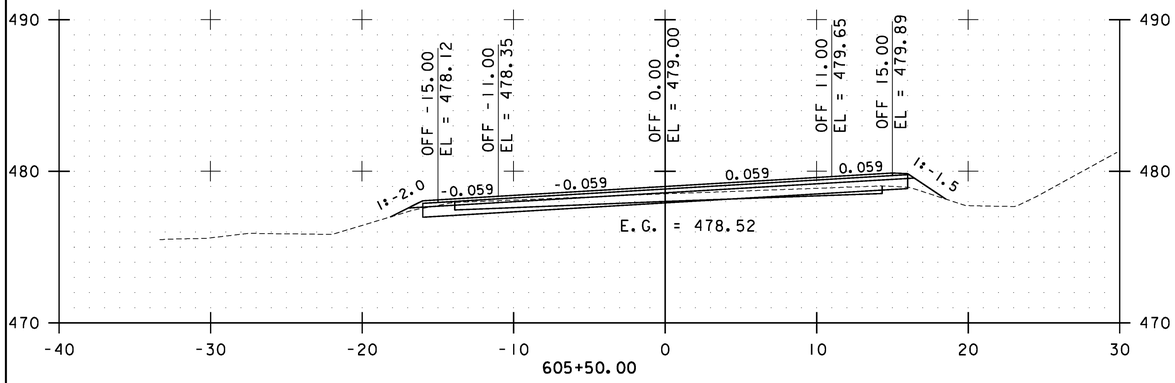
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

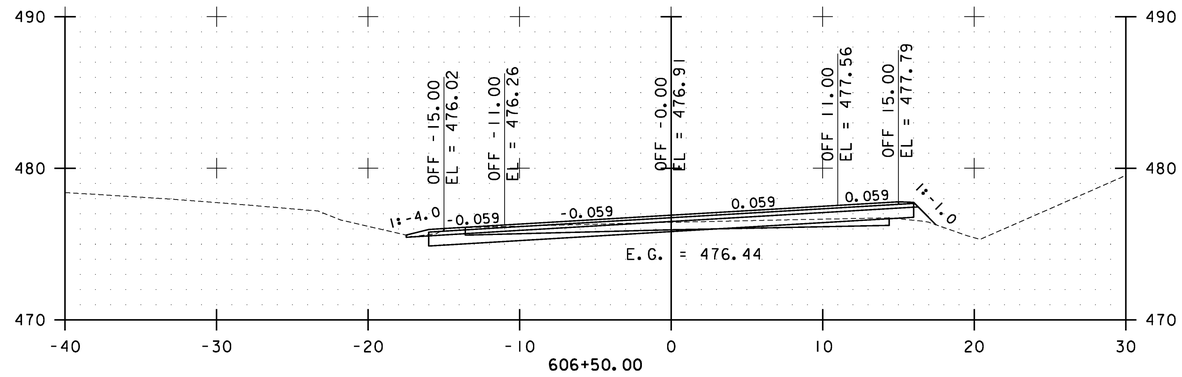
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs46.i

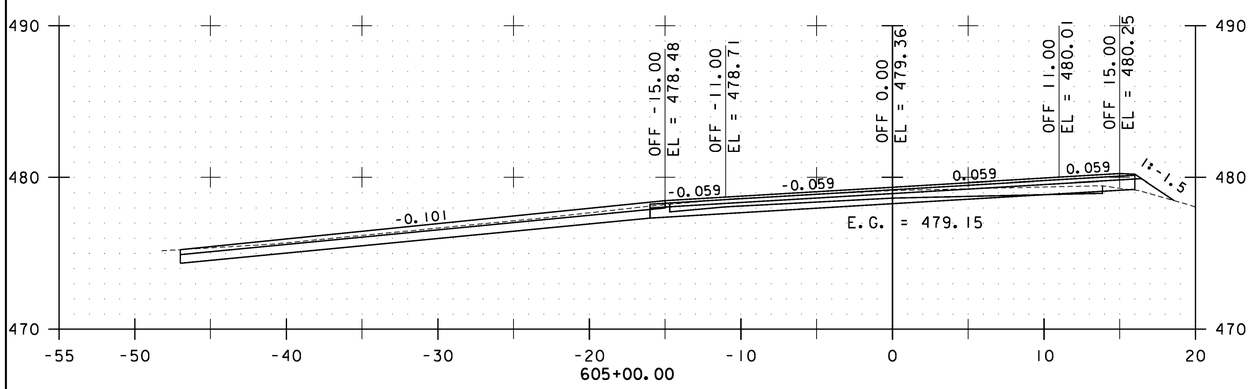
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 181 OF 387











STA. 605+00.00 TO STA. 607+00.00

0 10 20
SCALE

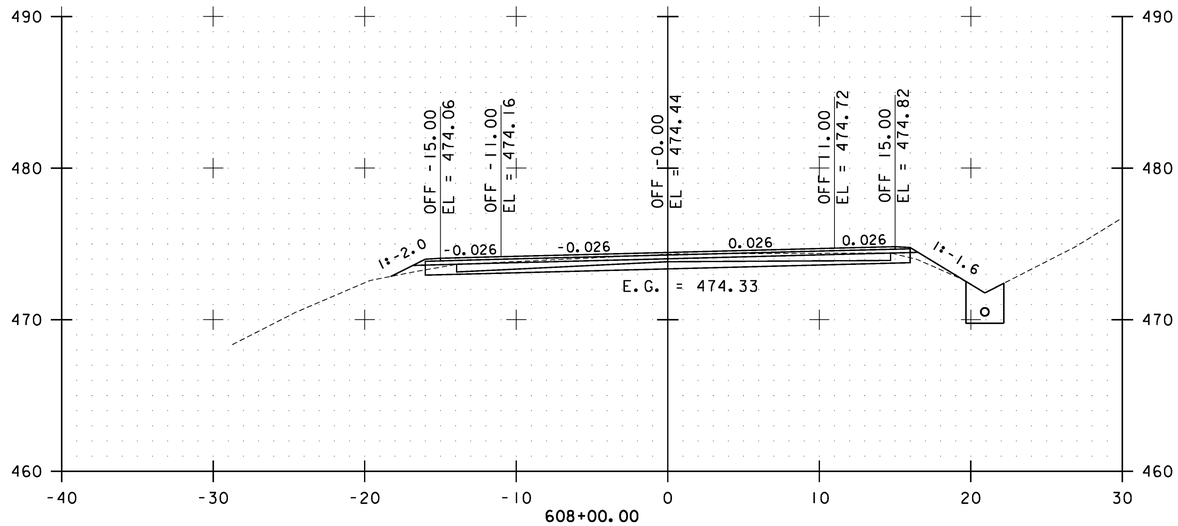
Stantec

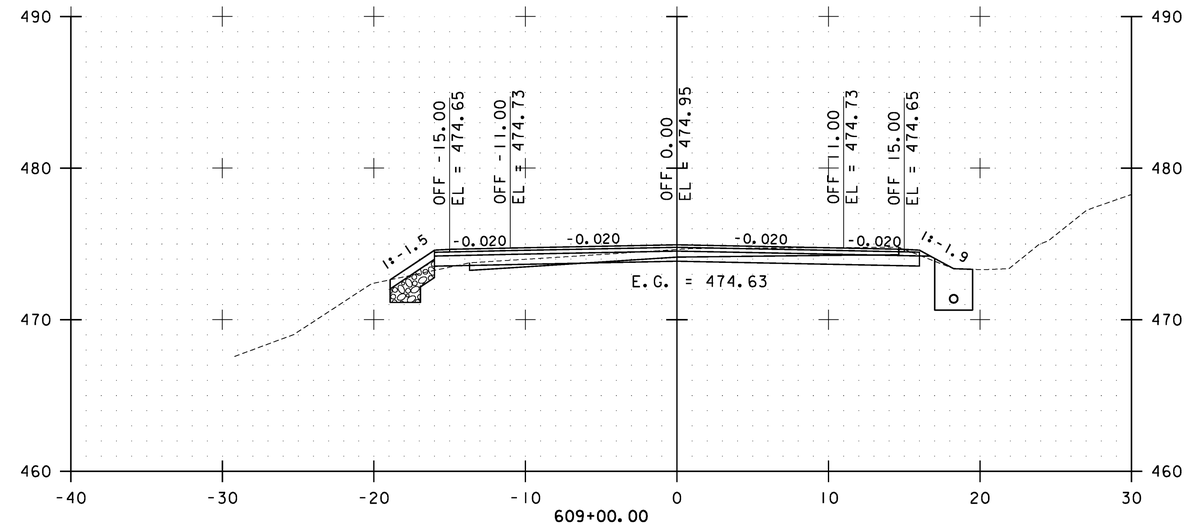
CAMBRIDGE CROSS SECTIONS SHEET #47

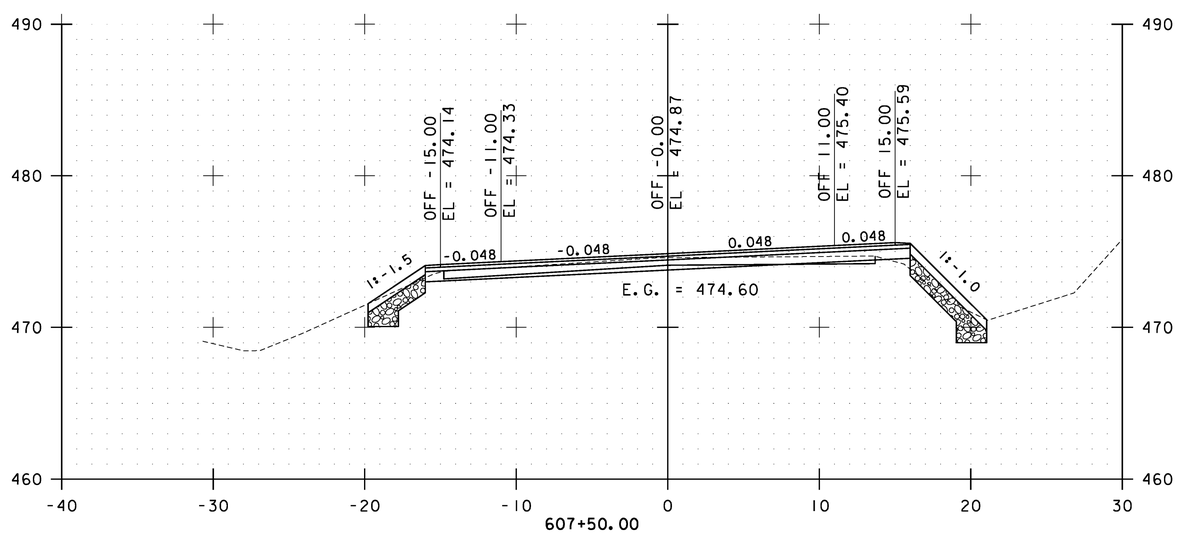
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

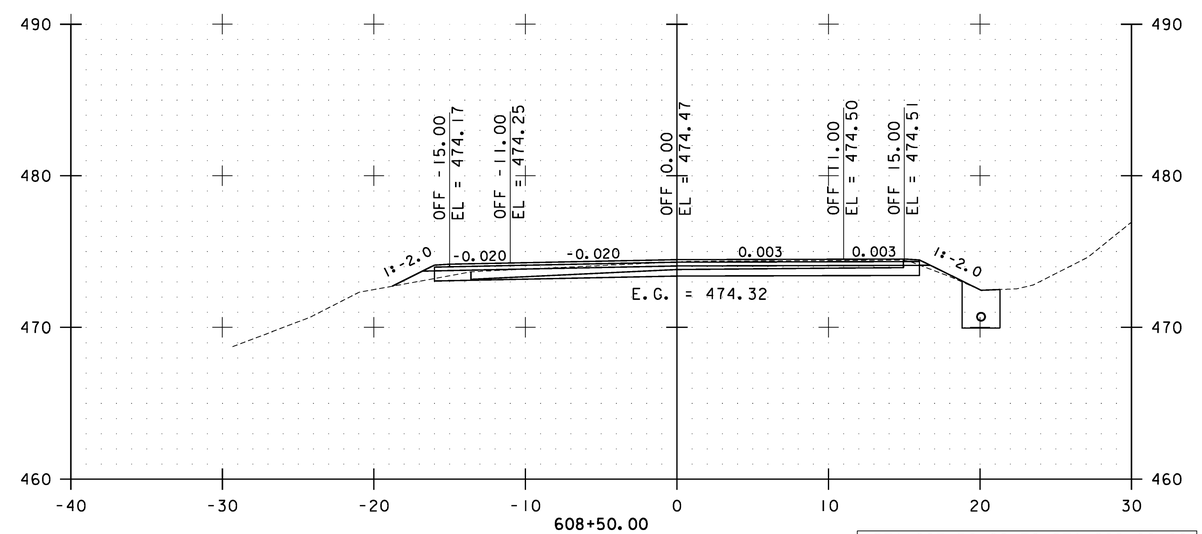
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs47.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 182 OF 387









STA. 607+50.00 TO STA. 609+00.00

0 10 20
SCALE

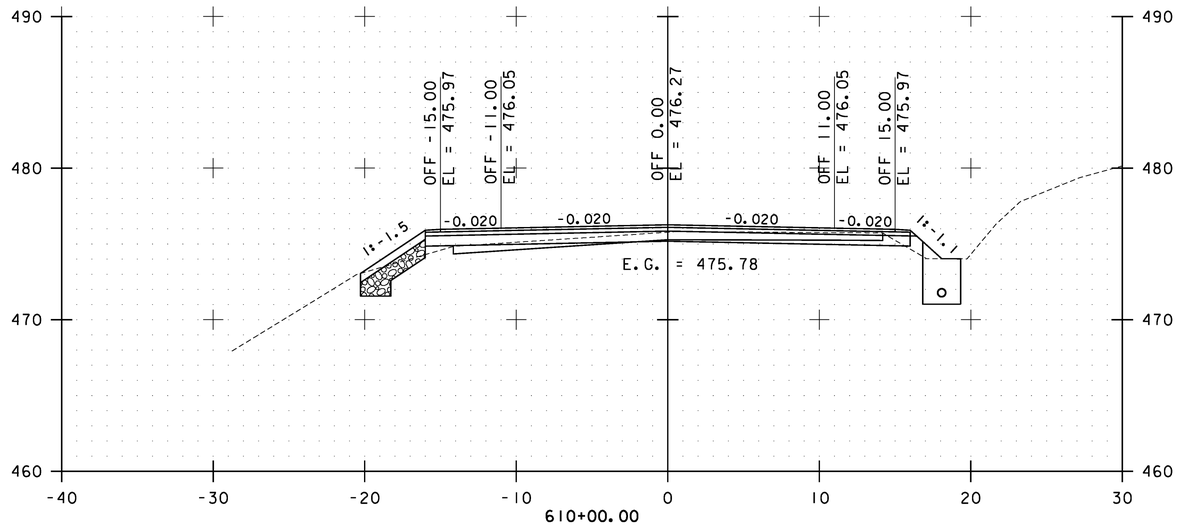
Stantec

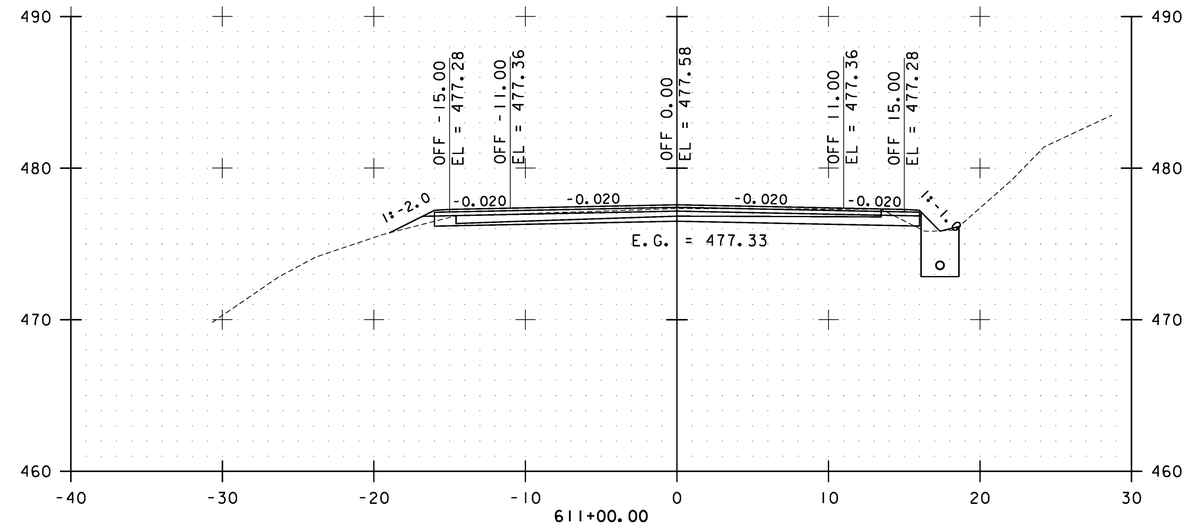
CAMBRIDGE CROSS SECTIONS SHEET #48

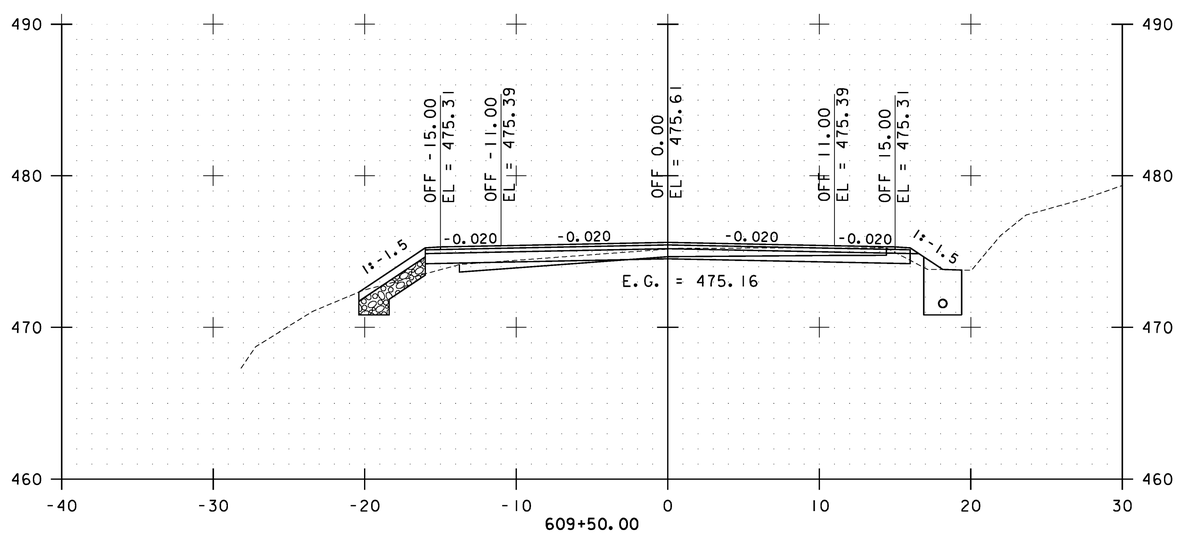
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

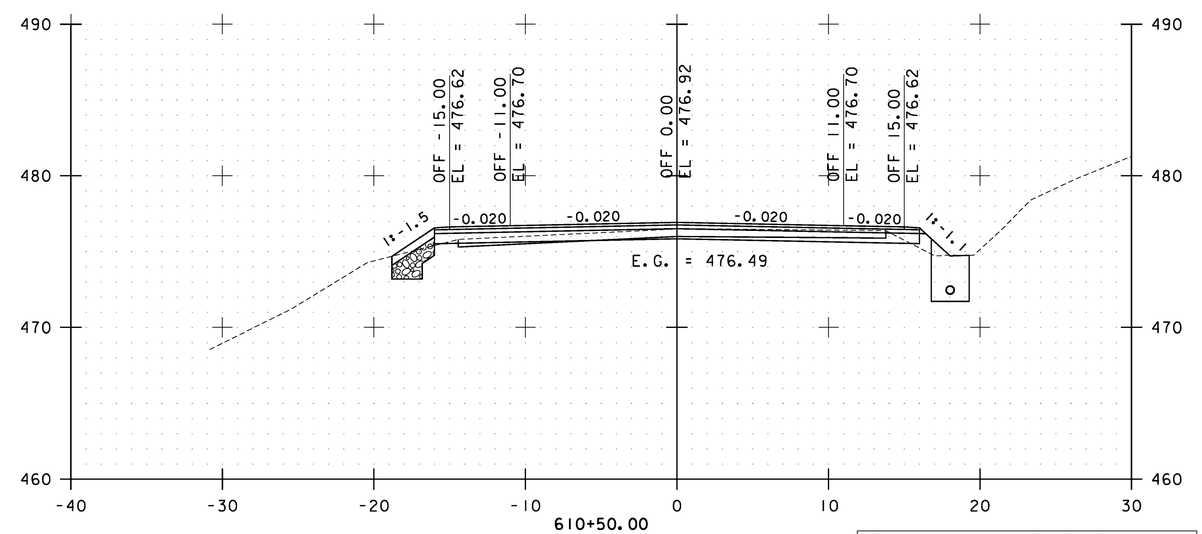
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs48.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 183 OF 387









STA. 609+50.00 TO STA. 611+00.00

0 10 20
SCALE

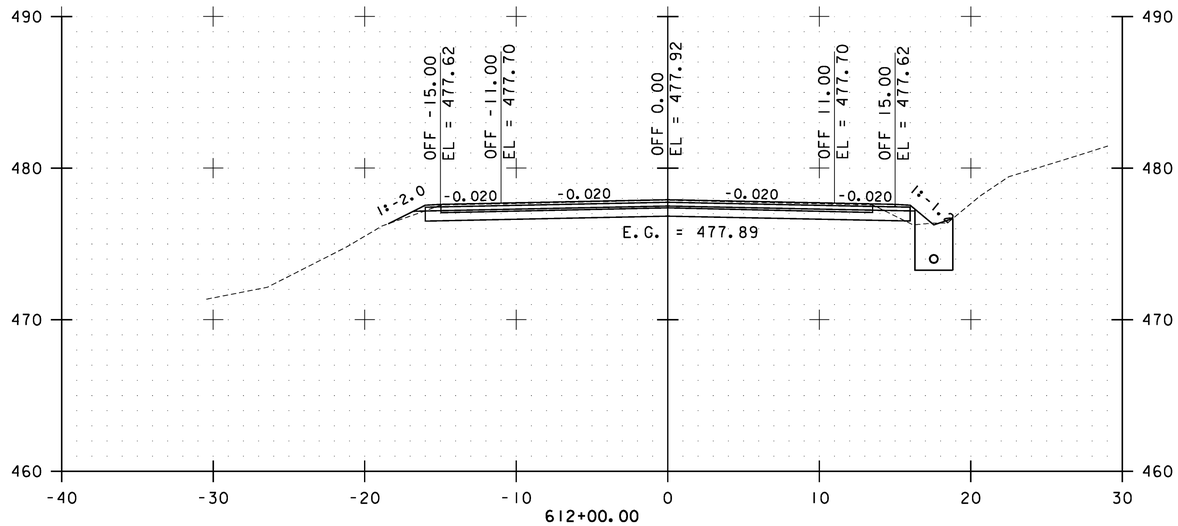
Stantec

CAMBRIDGE CROSS SECTIONS SHEET #49

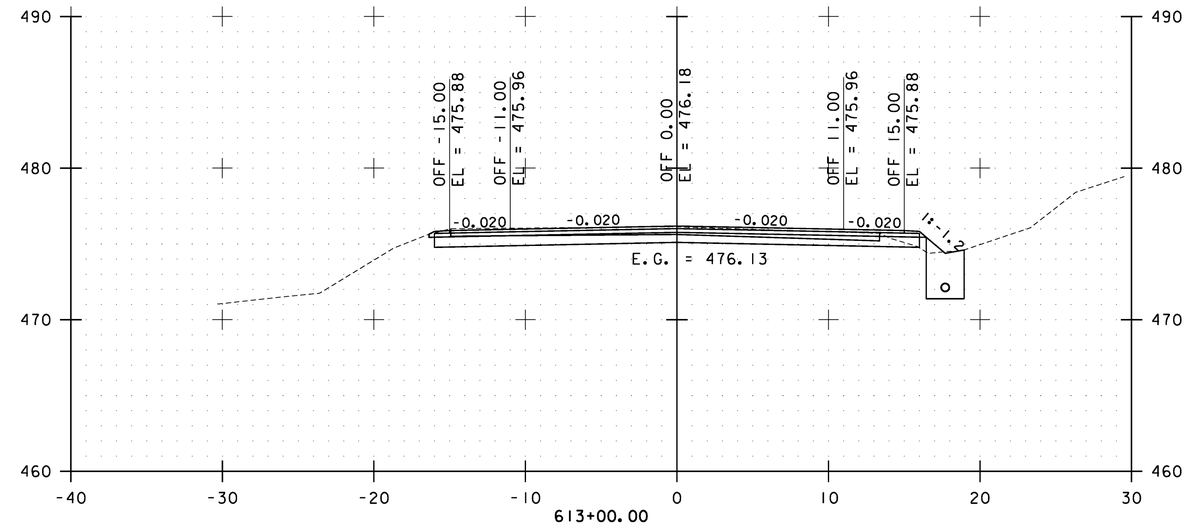
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs49.i

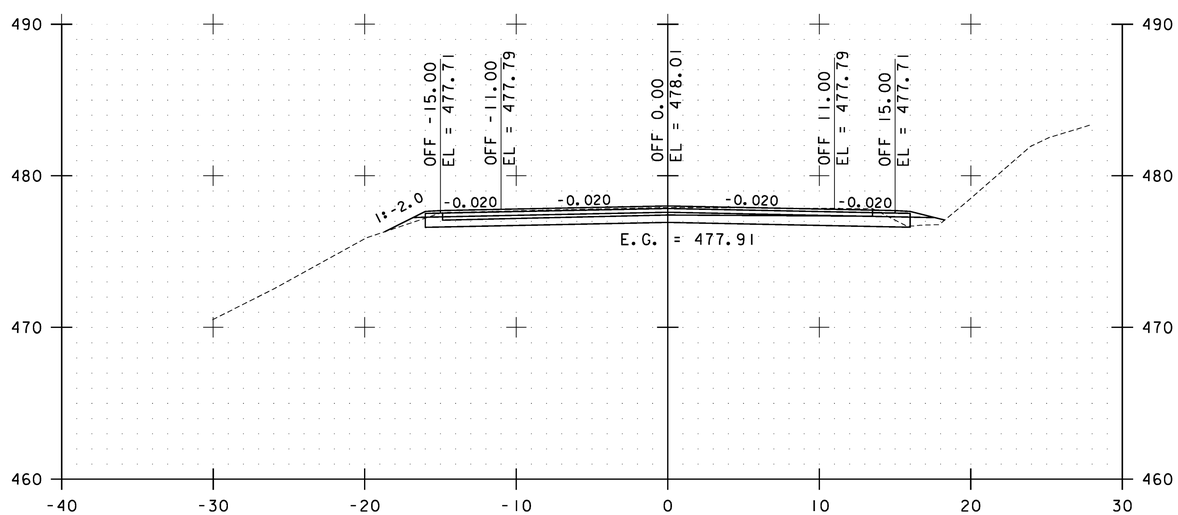
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 184 OF 387



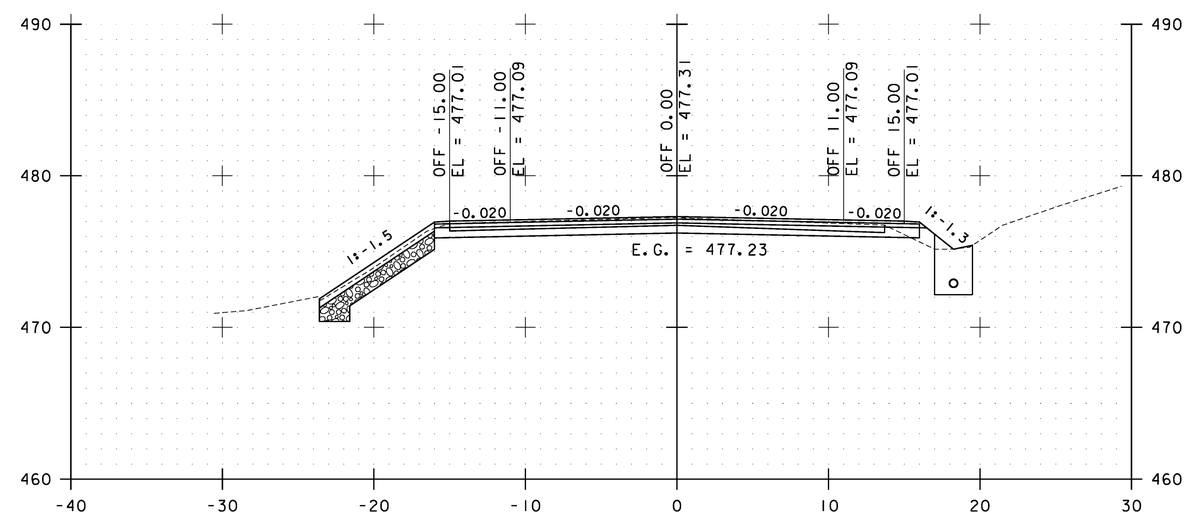
612+00.00



613+00.00



611+50.00



612+50.00

STA. 611+50.00 TO STA. 613+00.00

0 10 20
SCALE

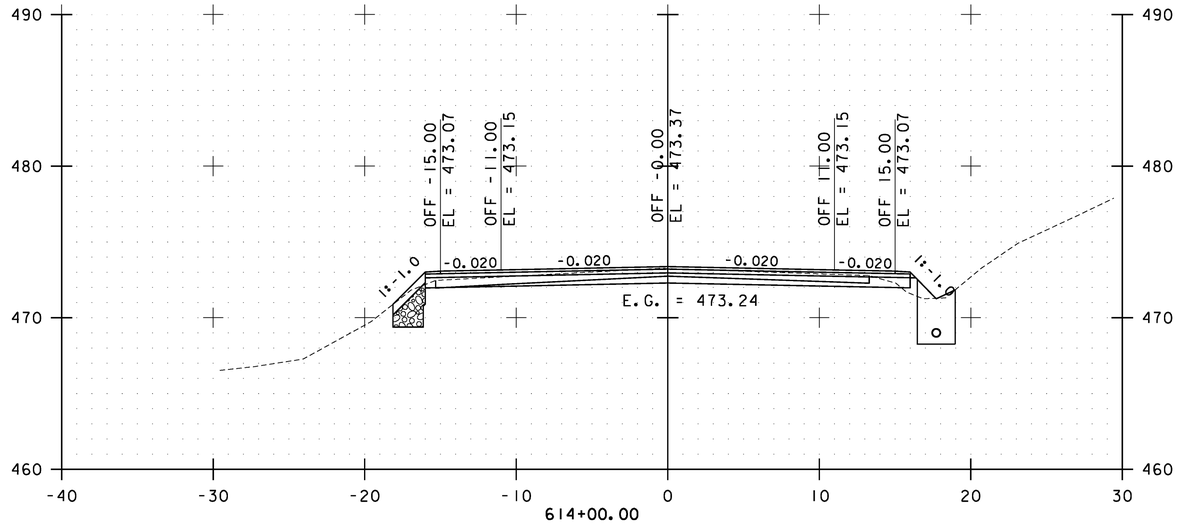
Stantec

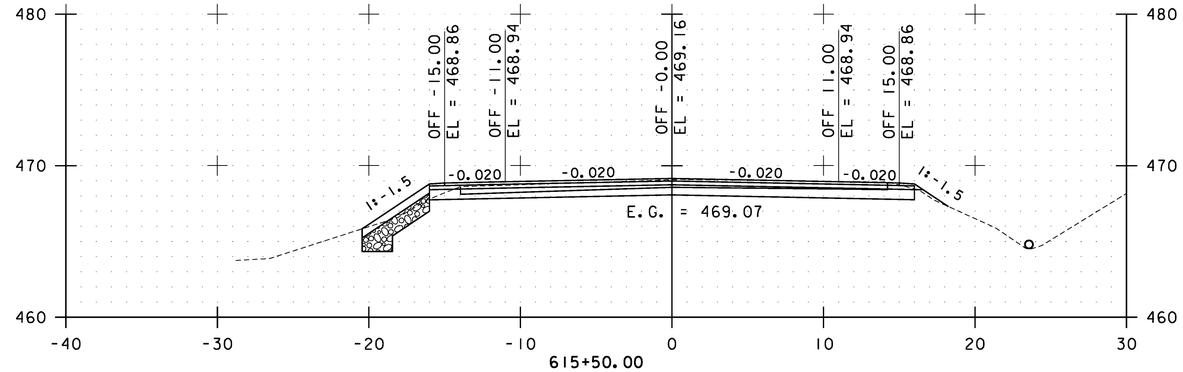
CAMBRIDGE CROSS SECTIONS SHEET #50

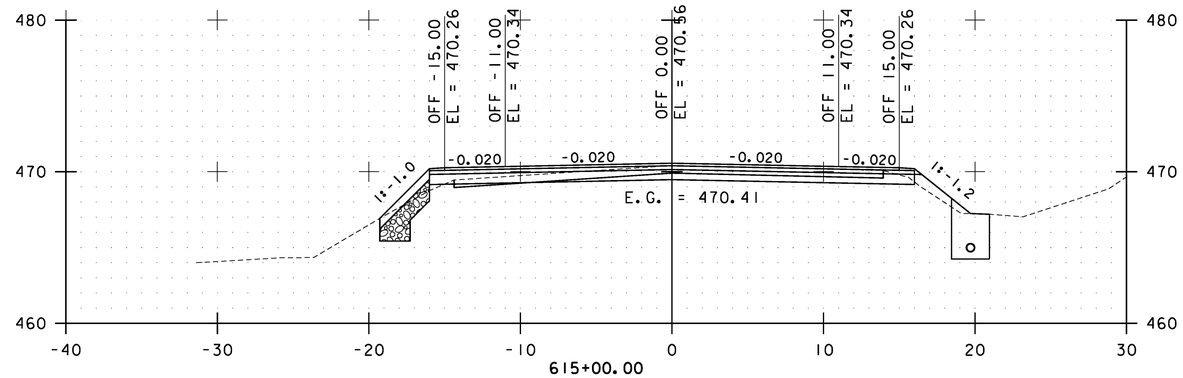
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

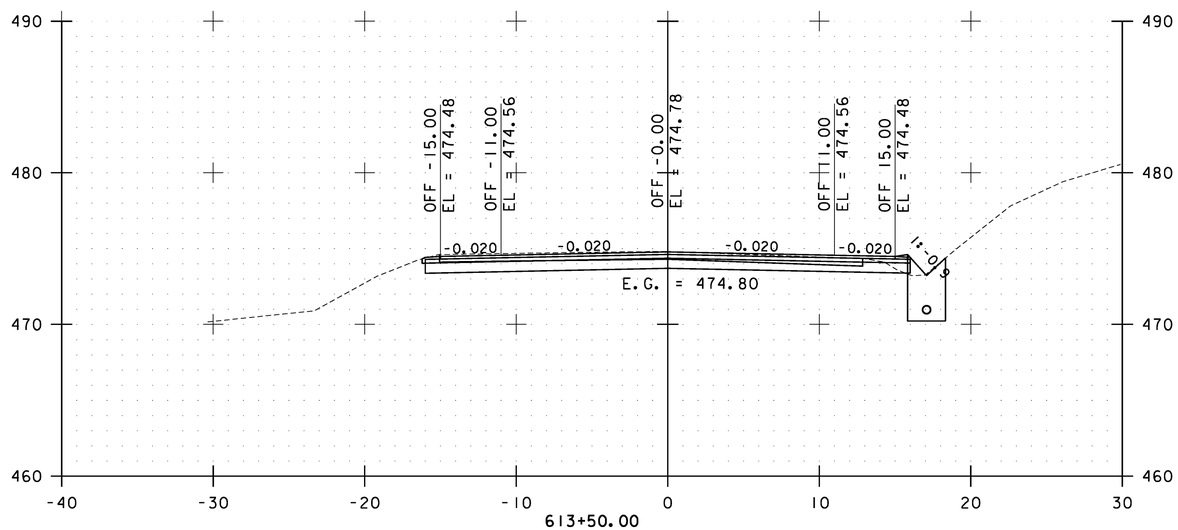
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs50.i

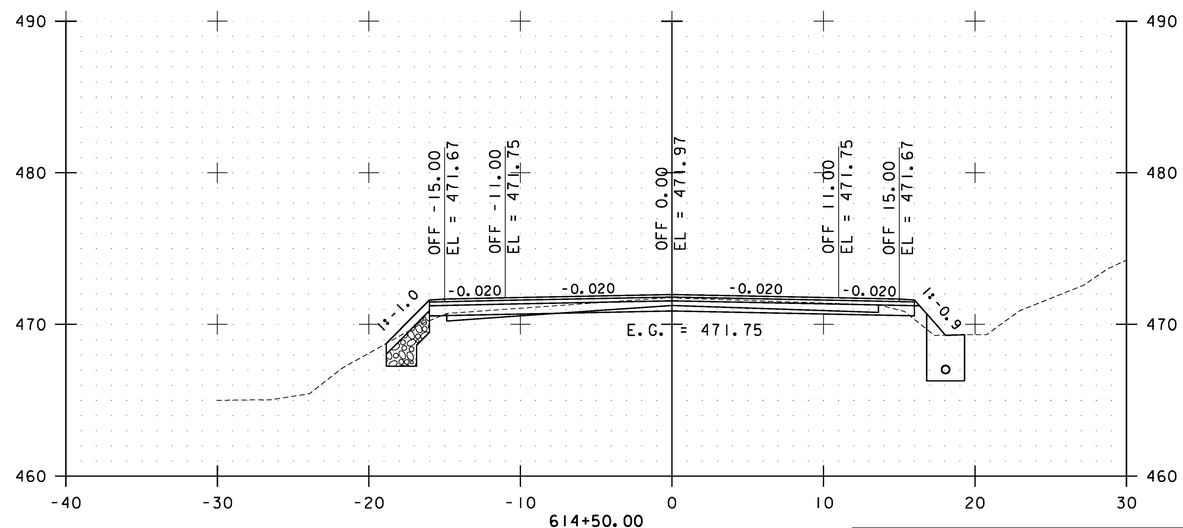
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 185 OF 387











STA. 613+50.00 TO STA. 615+50.00

0 10 20
SCALE

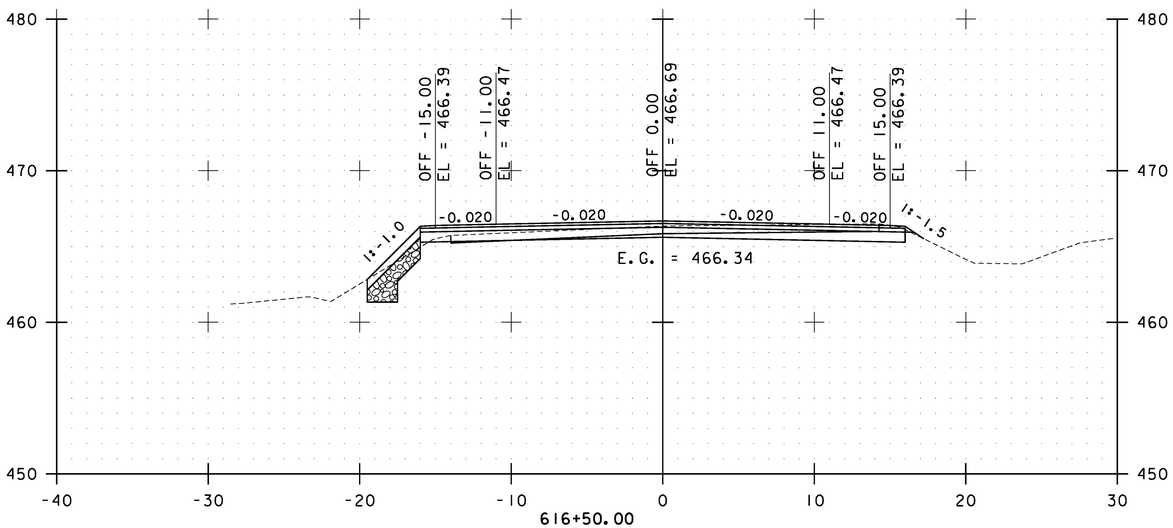
Stantec

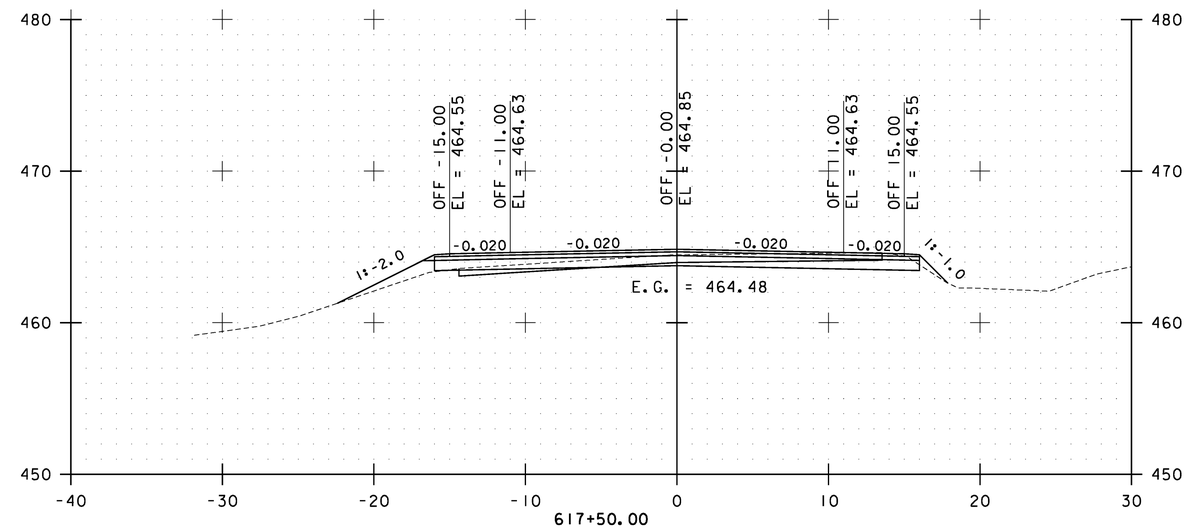
CAMBRIDGE CROSS SECTIONS SHEET #51

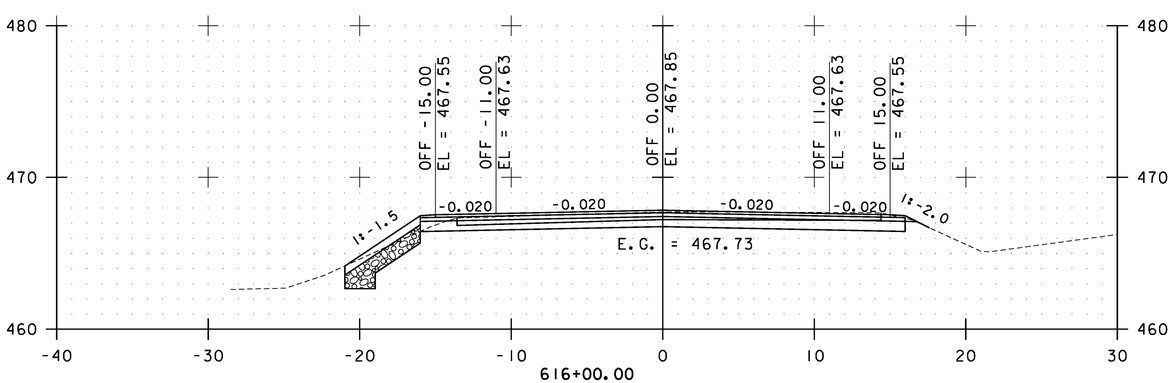
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

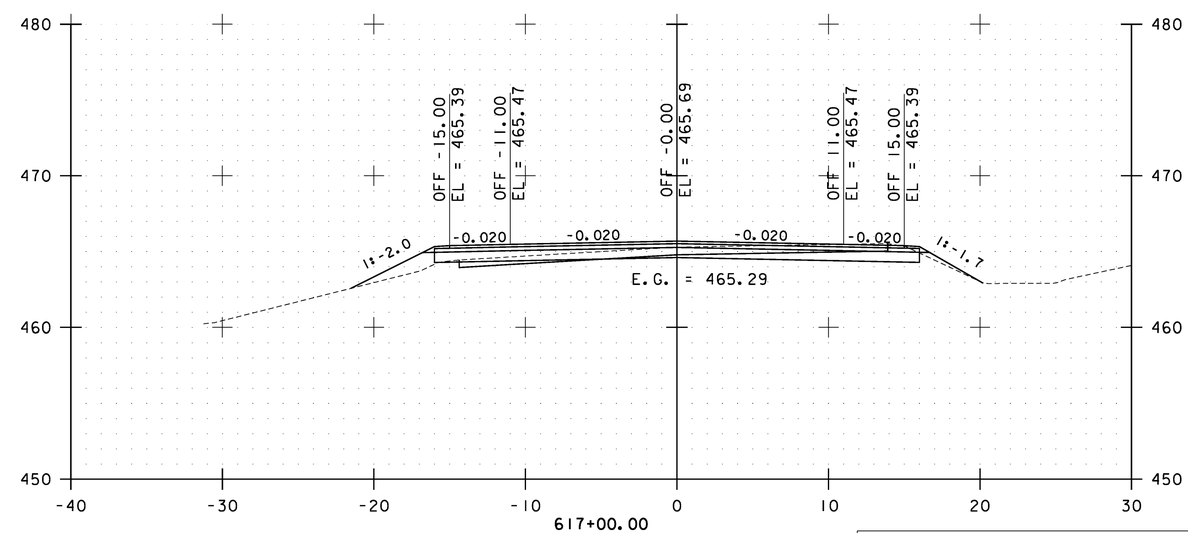
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs51.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 186 OF 387









STA. 616+00.00 TO STA. 617+50.00

0 10 20
SCALE

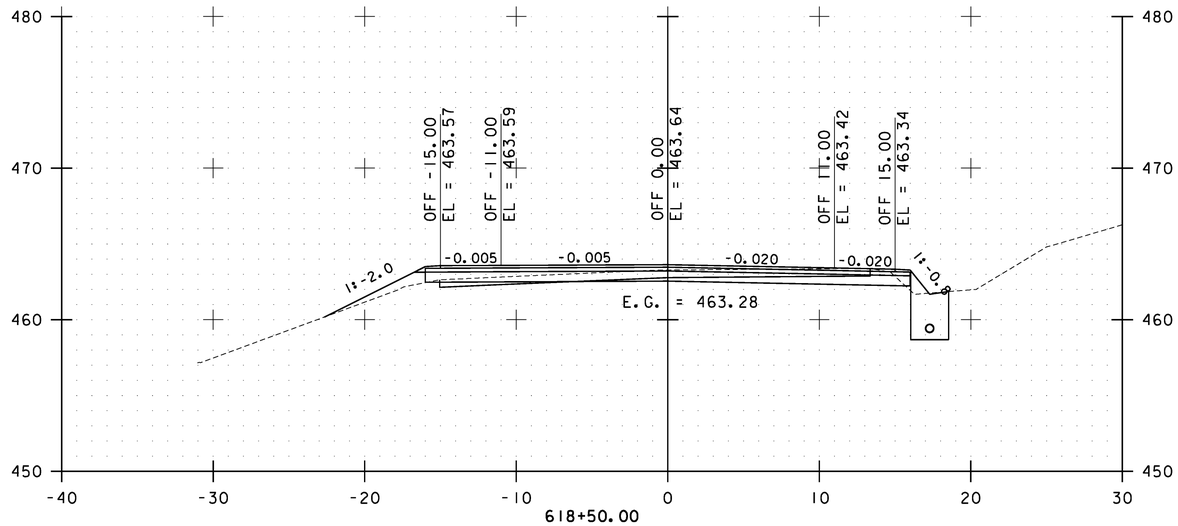
Stantec

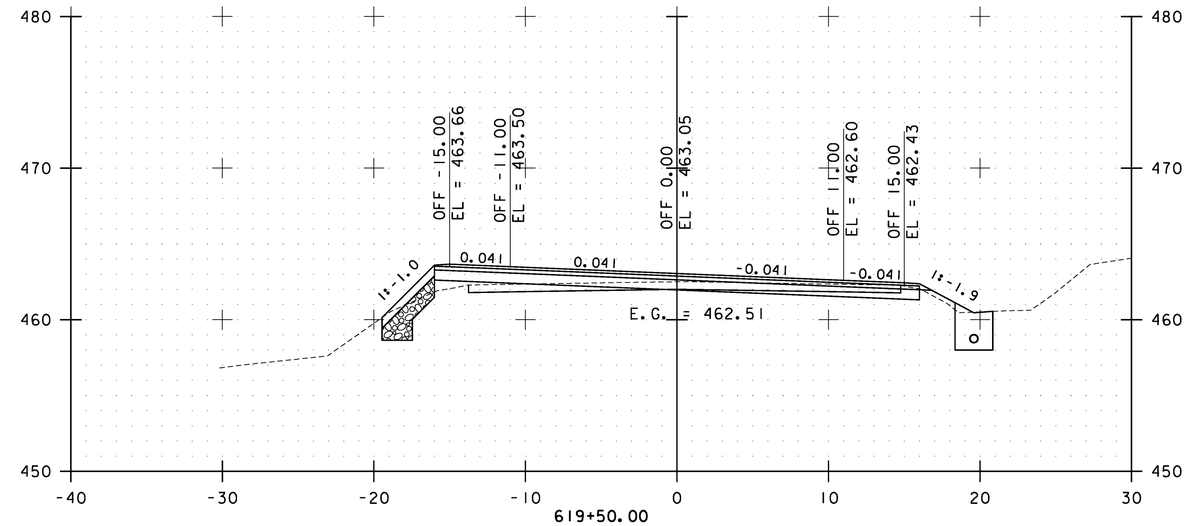
CAMBRIDGE CROSS SECTIONS SHEET #52

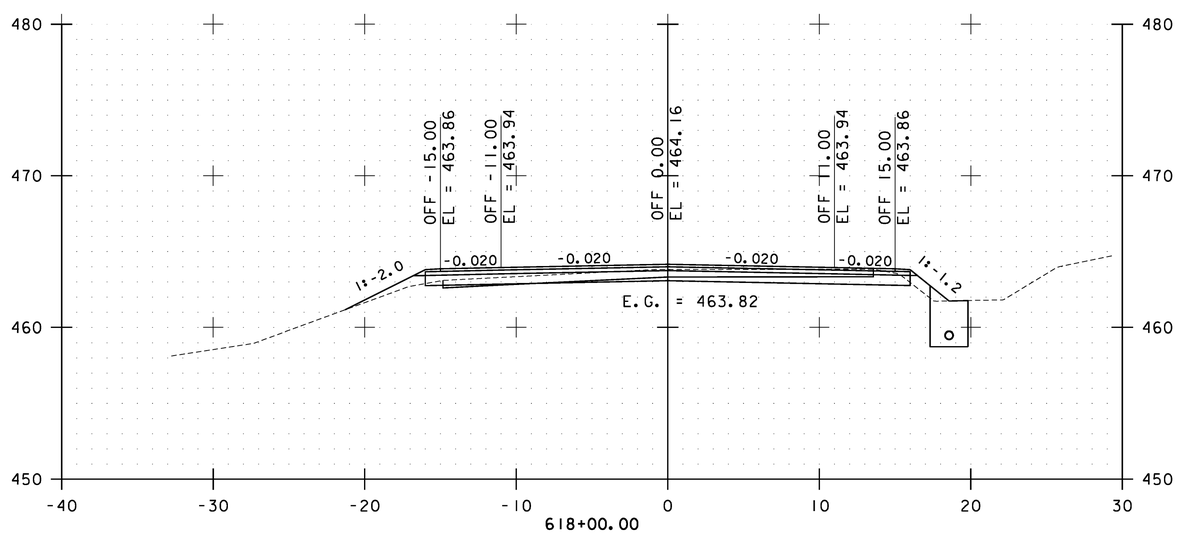
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

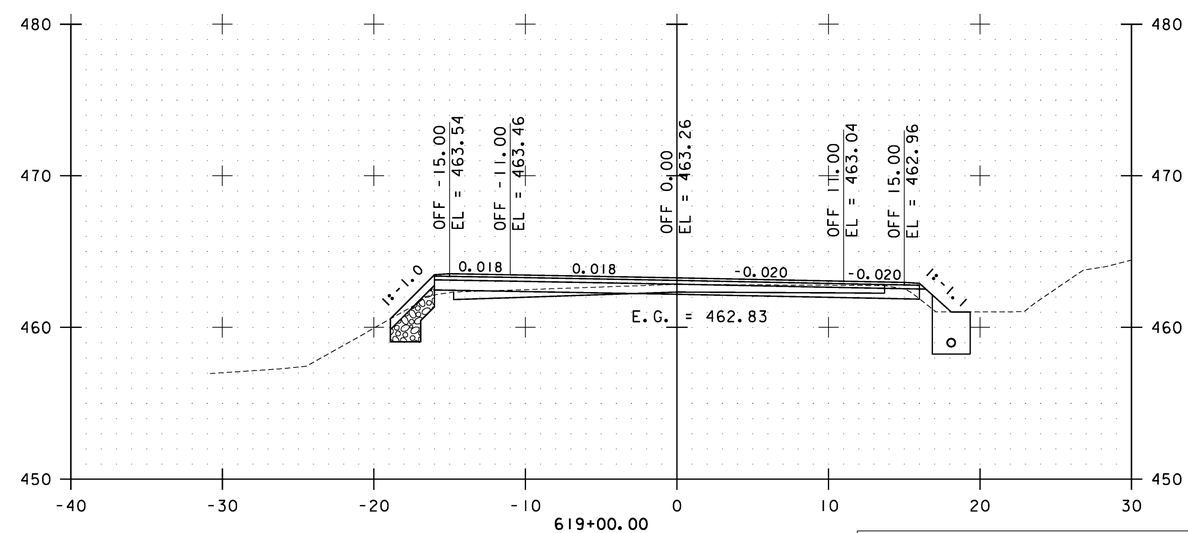
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs52.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 187 OF 387









STA. 618+00.00 TO STA. 619+50.00

0 10 20
SCALE

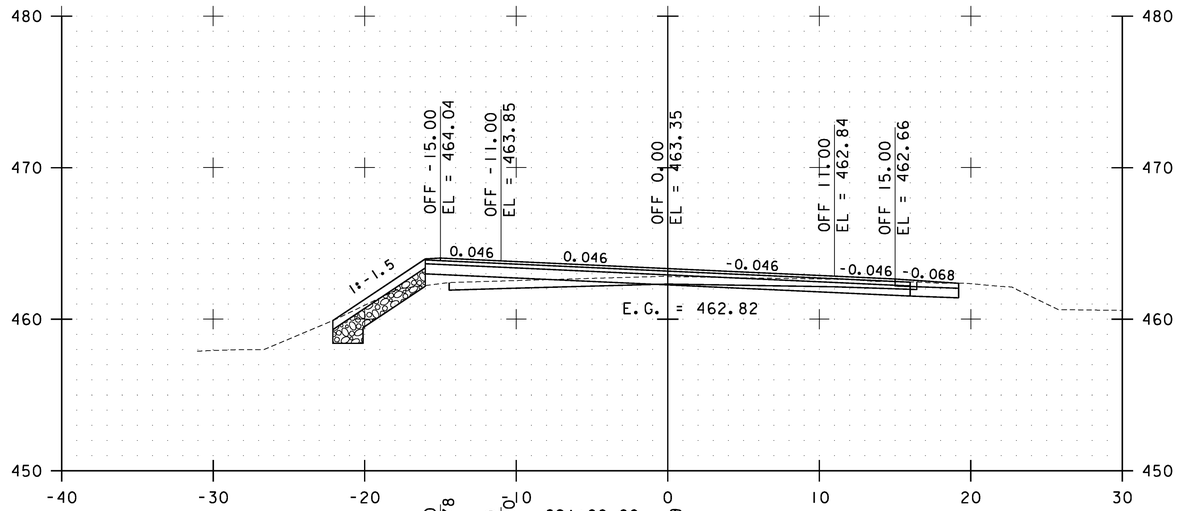
Stantec

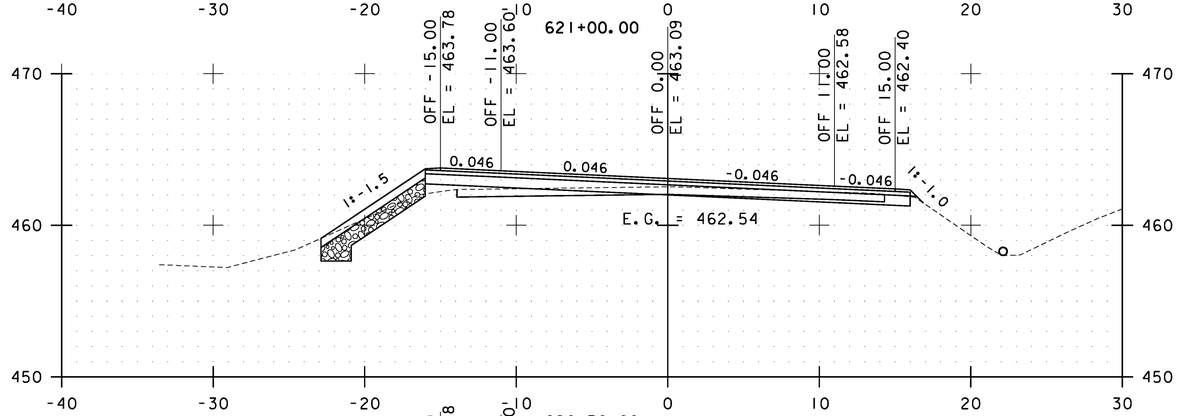
CAMBRIDGE CROSS SECTIONS SHEET #53

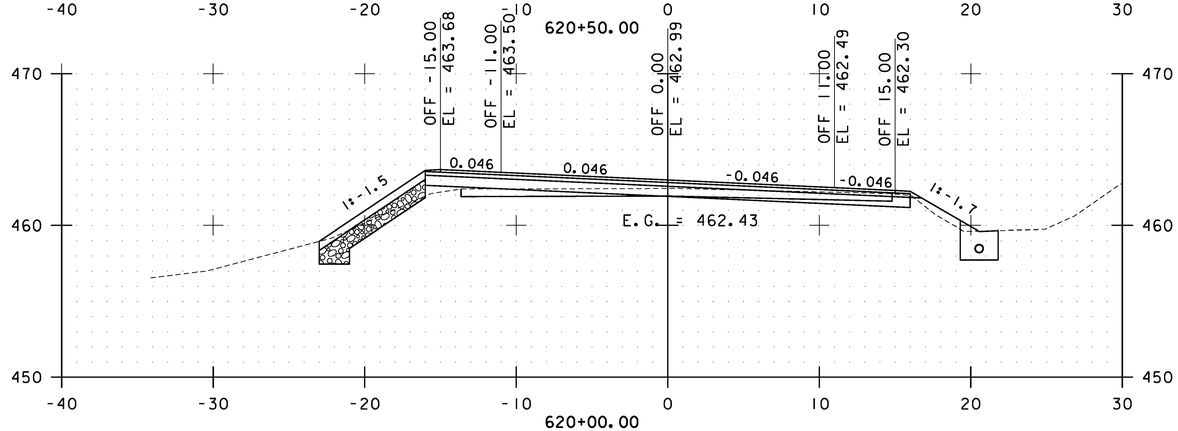
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

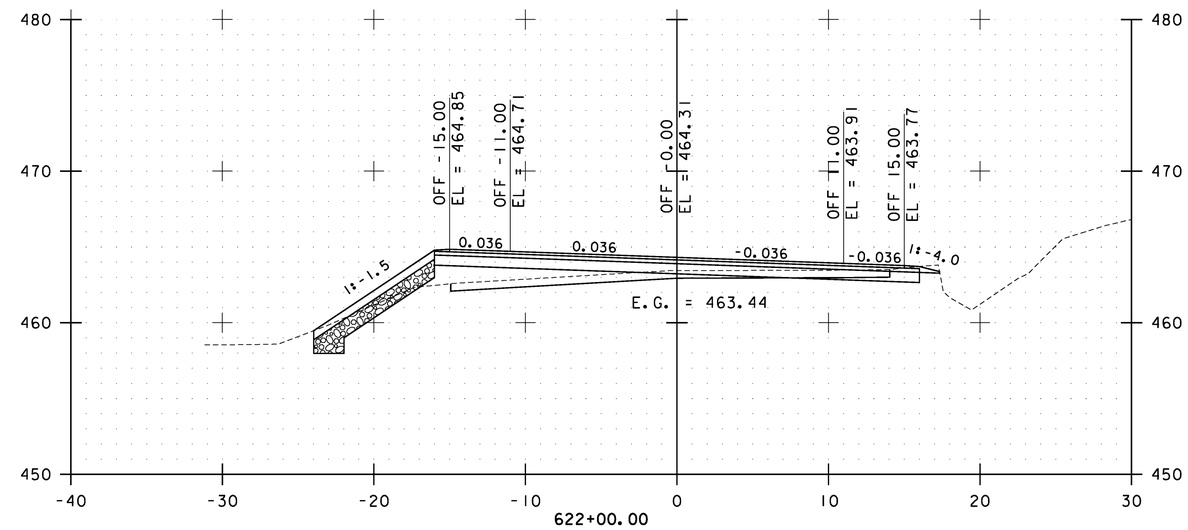
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs53.i

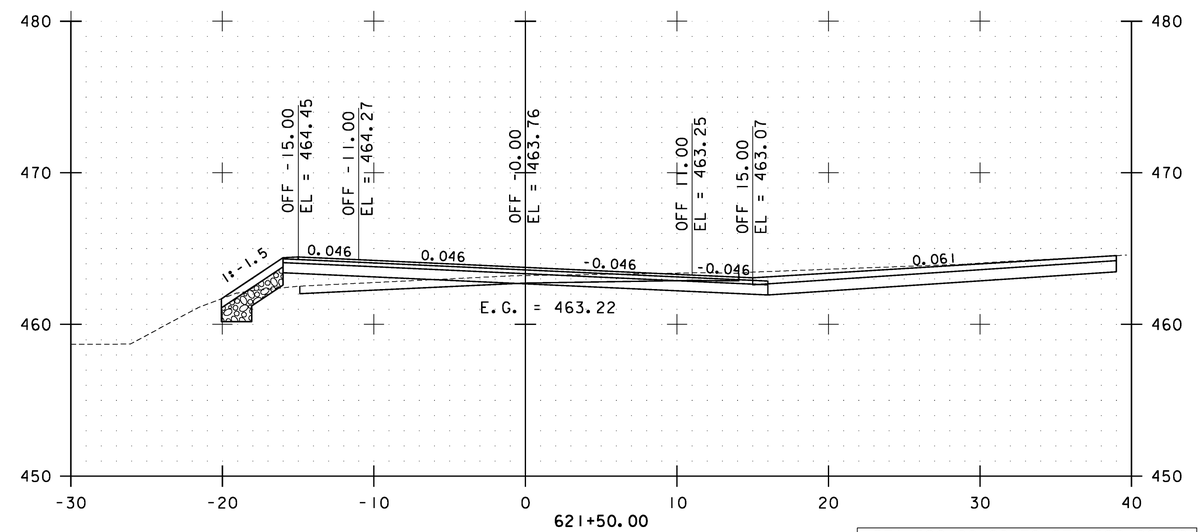
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 188 OF 387











STA. 620+00.00 TO STA. 622+00.00

0 10 20
SCALE

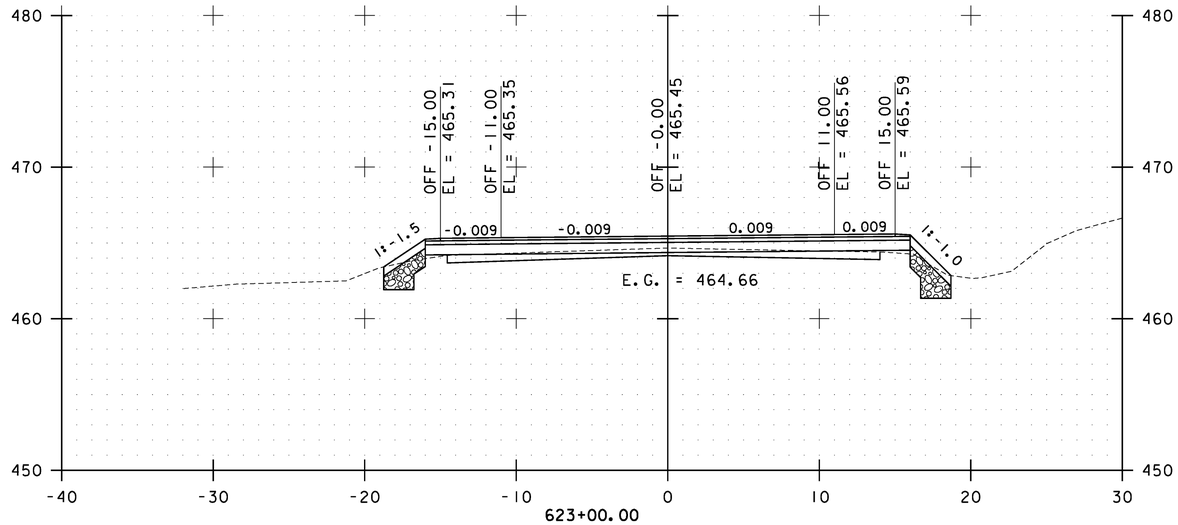
Stantec

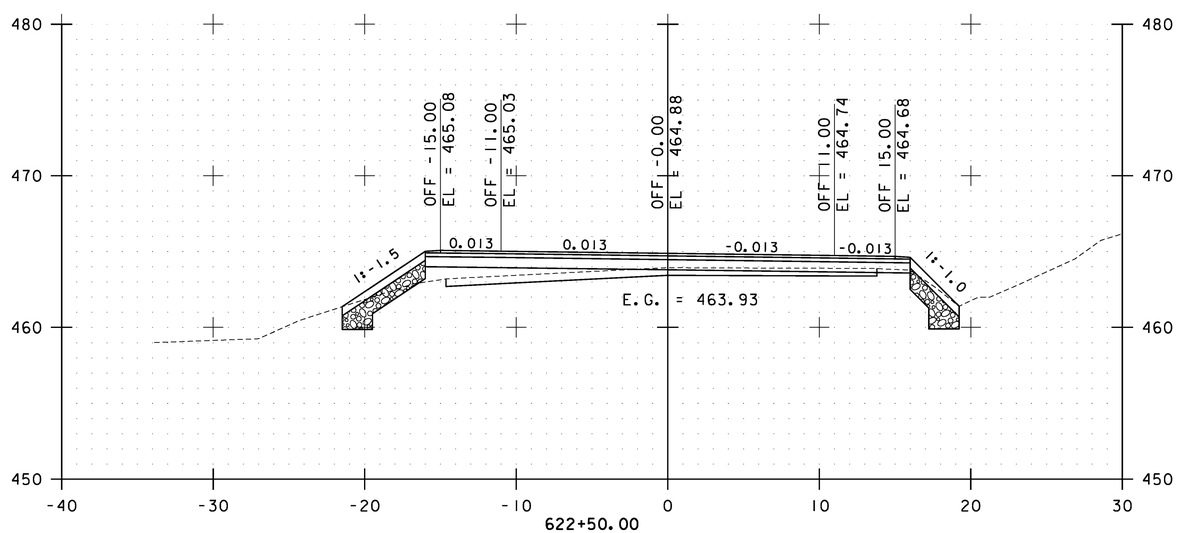
CAMBRIDGE CROSS SECTIONS SHEET #54

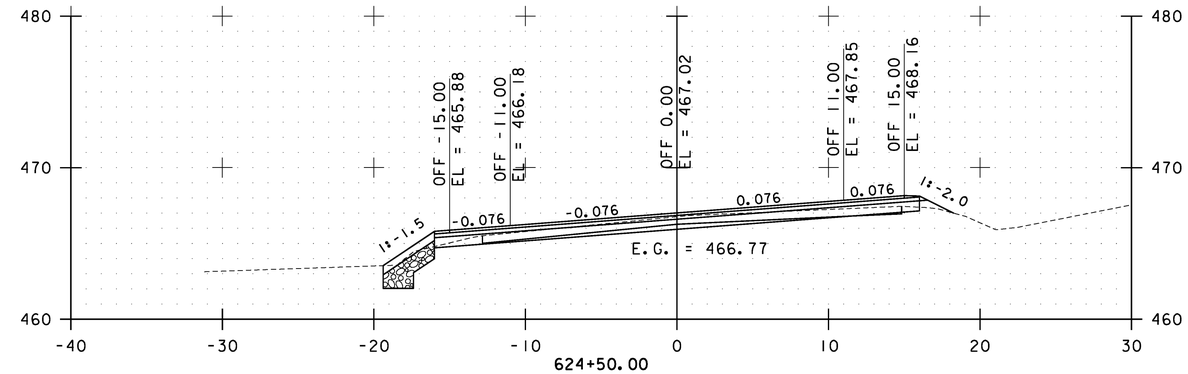
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

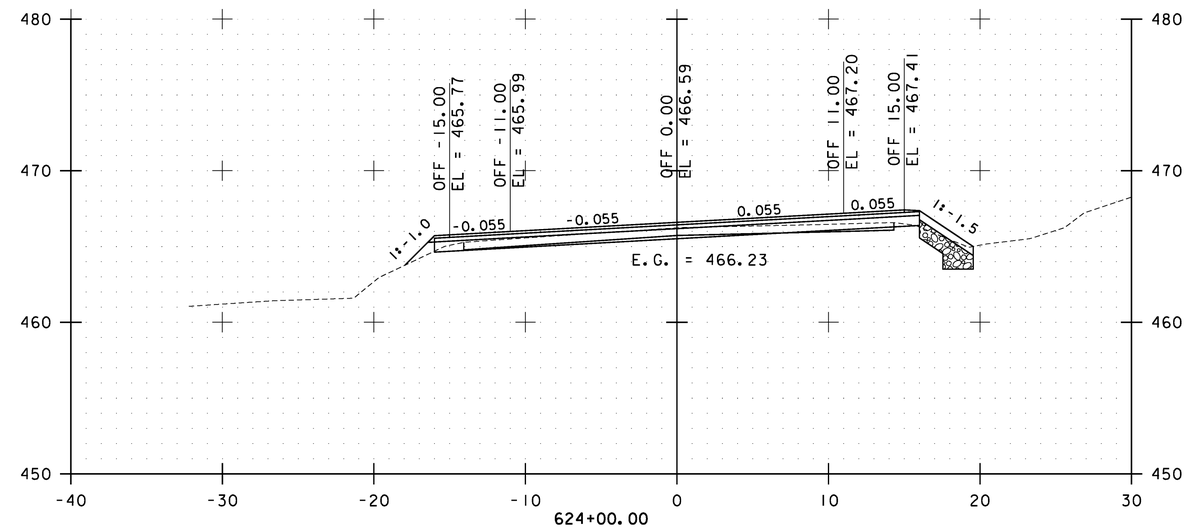
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs54.i

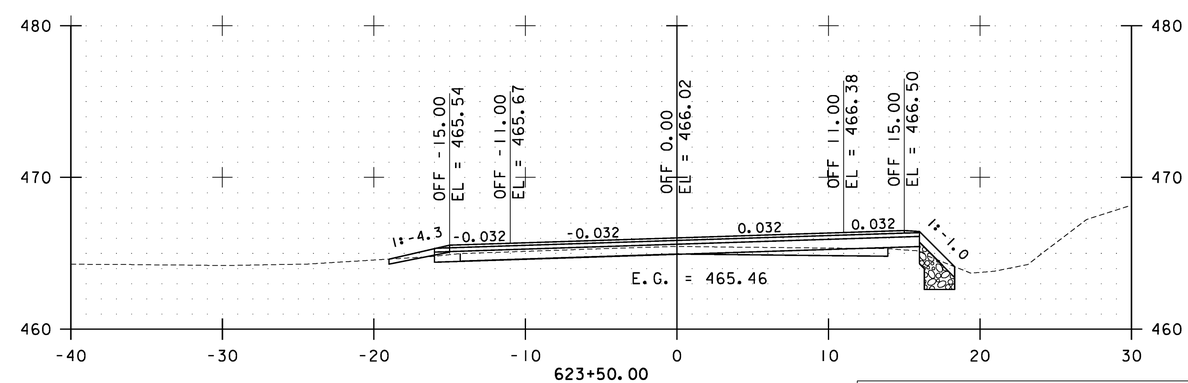
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 189 OF 387











STA. 622+50.00 TO STA. 624+50.00

0 10 20
SCALE

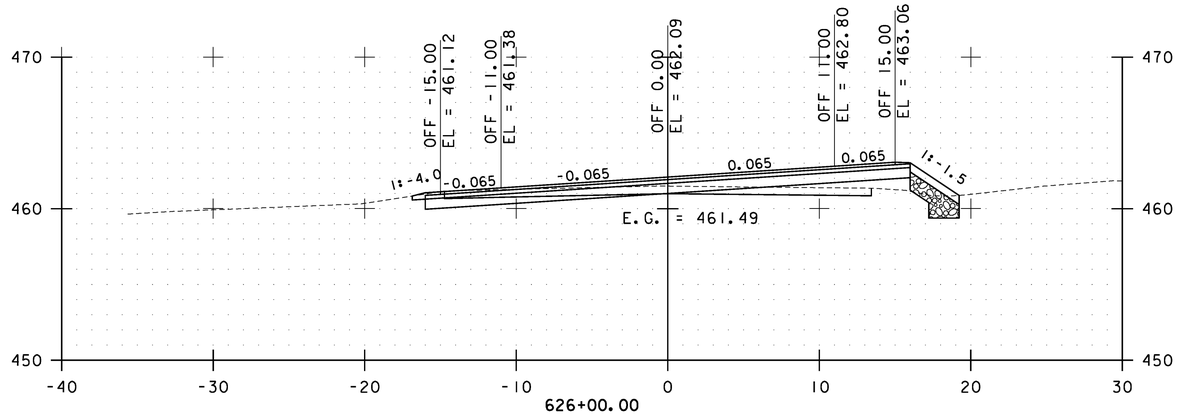
Stantec

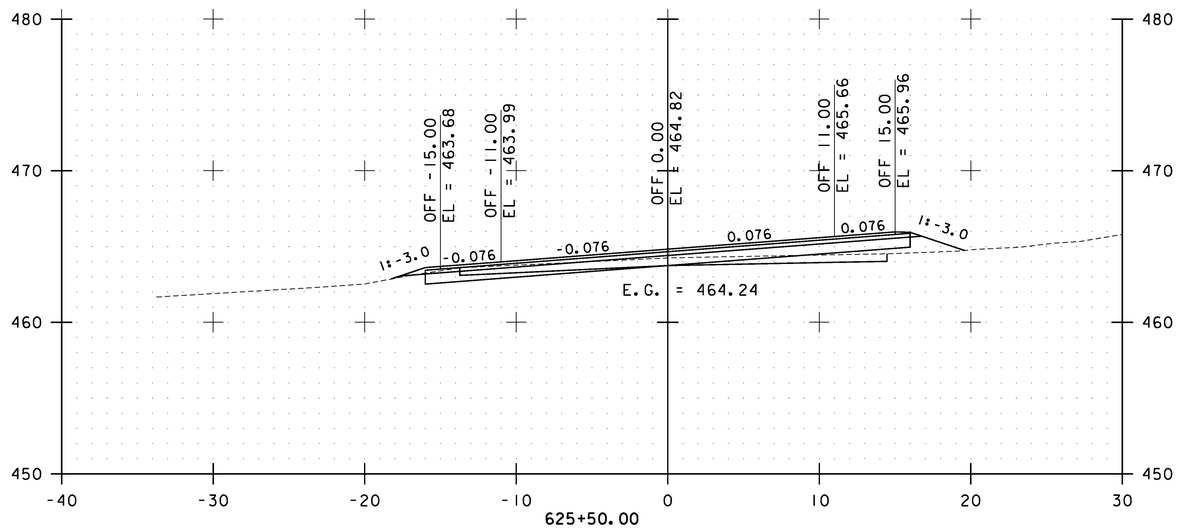
CAMBRIDGE CROSS SECTIONS SHEET #55

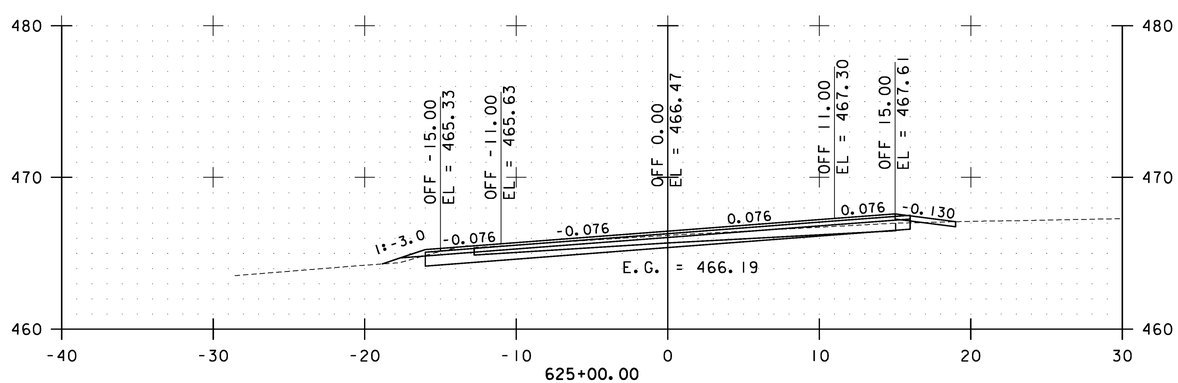
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

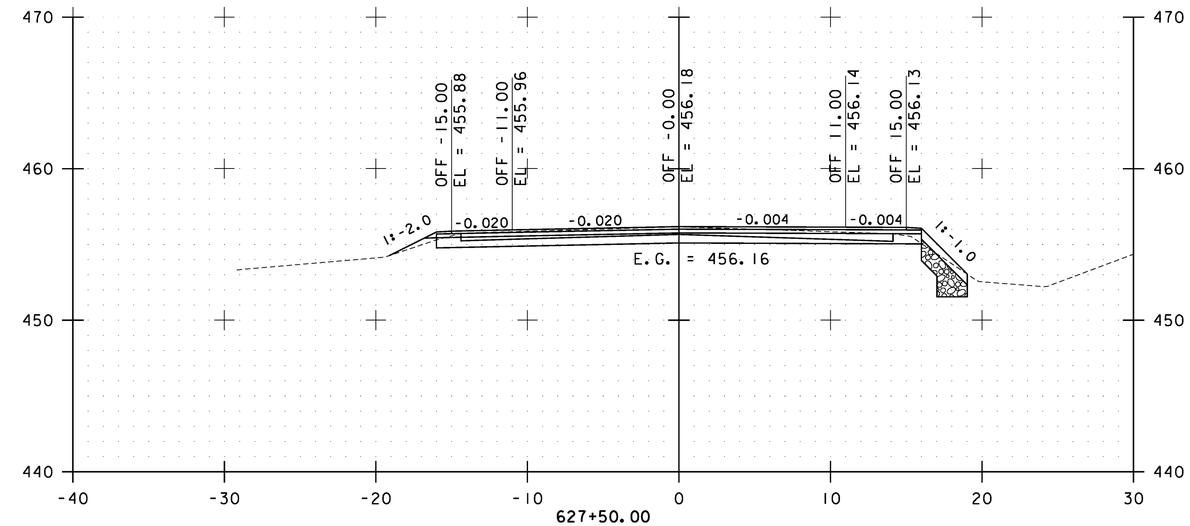
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs55.i

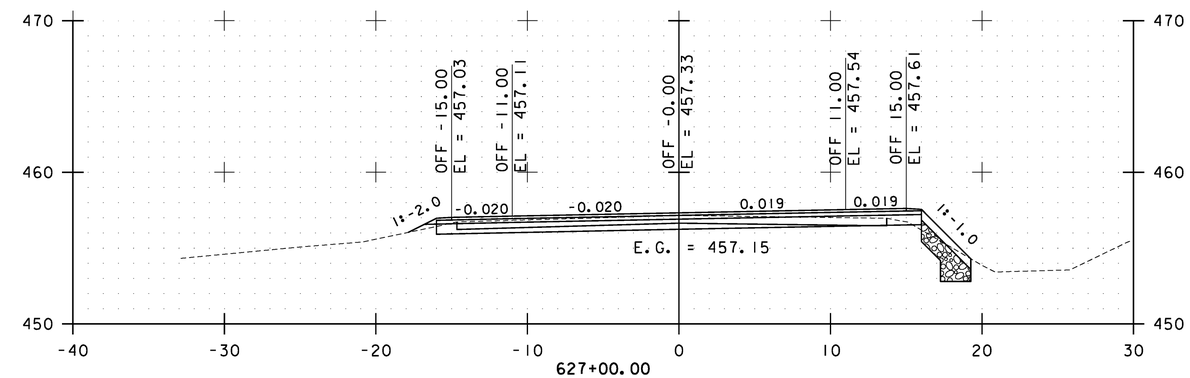
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 190 OF 387

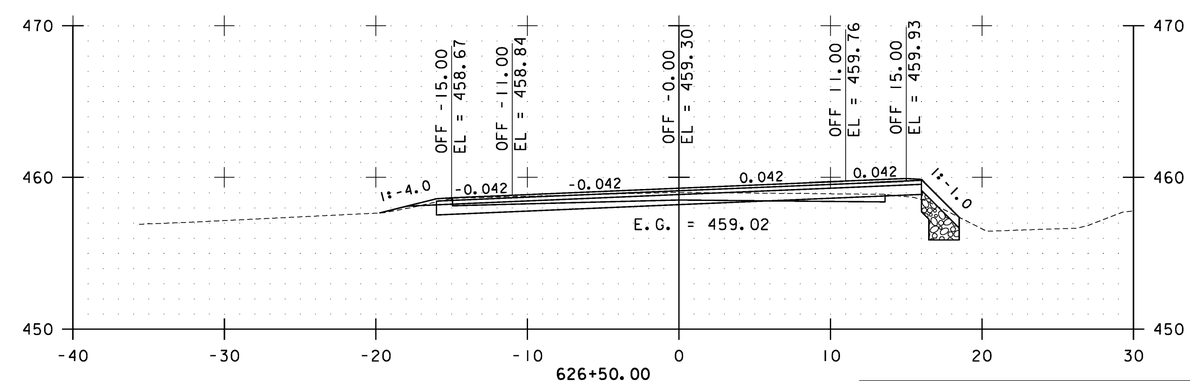












STA. 625+00.00 TO STA. 627+50.00

0 10 20
SCALE

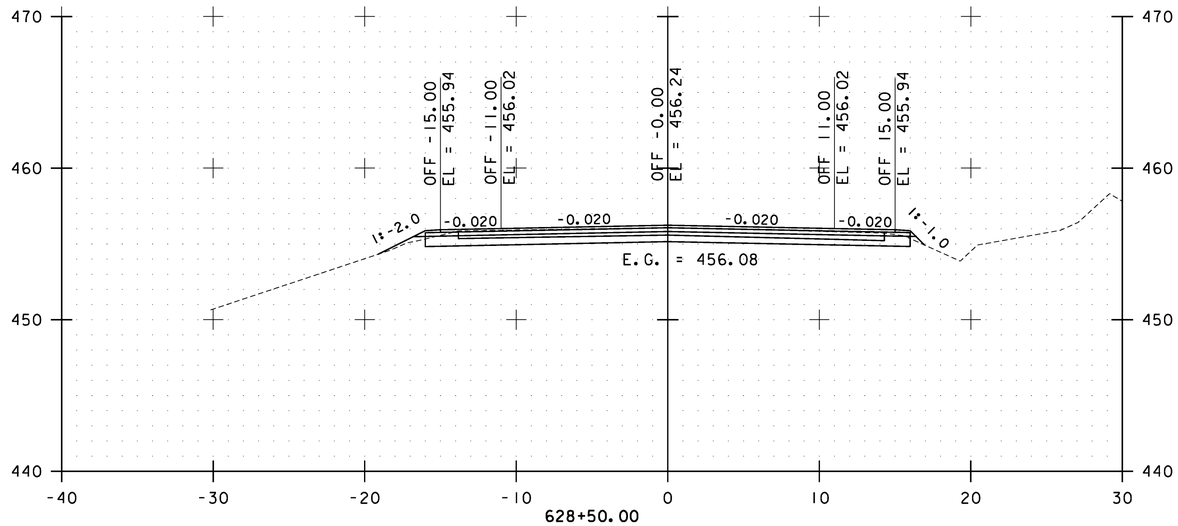
Stantec

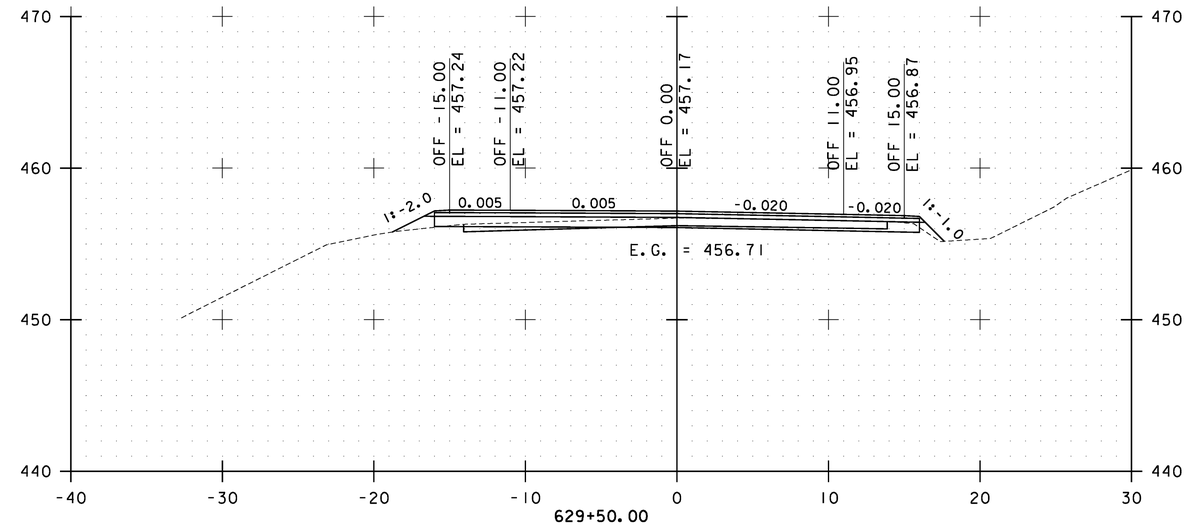
CAMBRIDGE CROSS SECTIONS SHEET #56

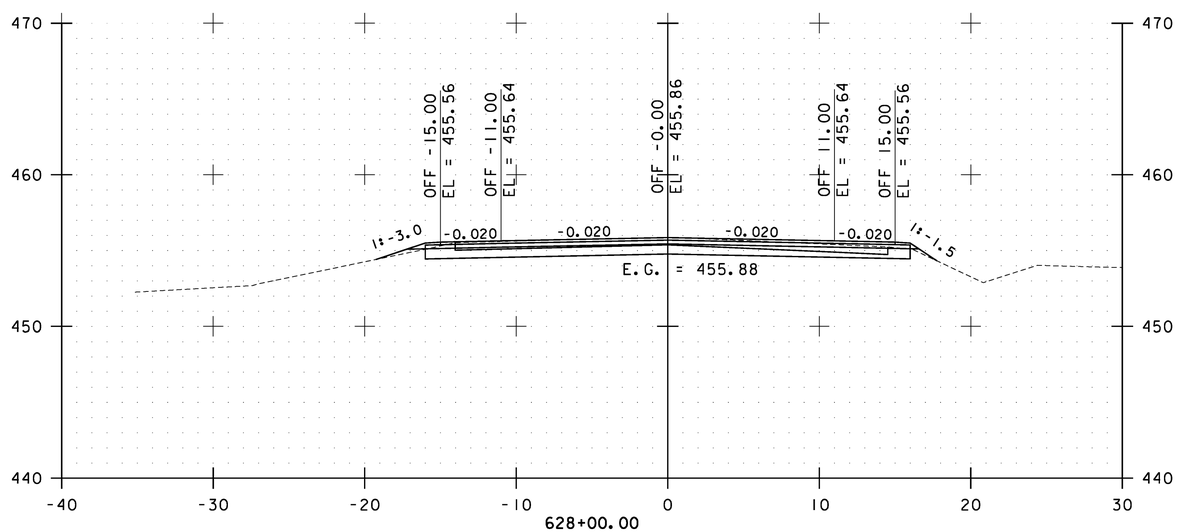
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

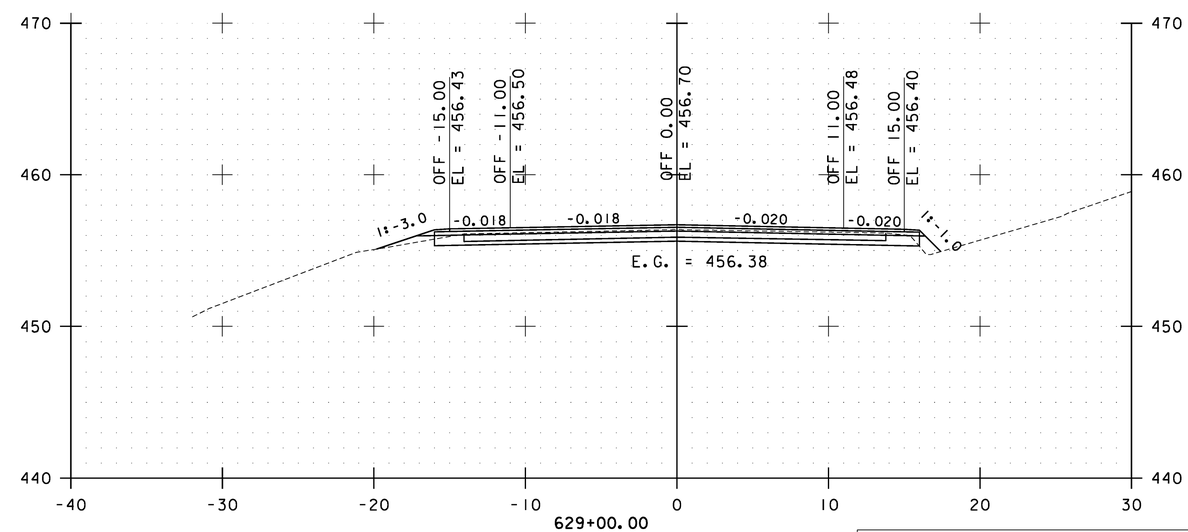
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs56.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 191 OF 387









STA. 628+00.00 TO STA. 629+50.00

0 10 20
SCALE

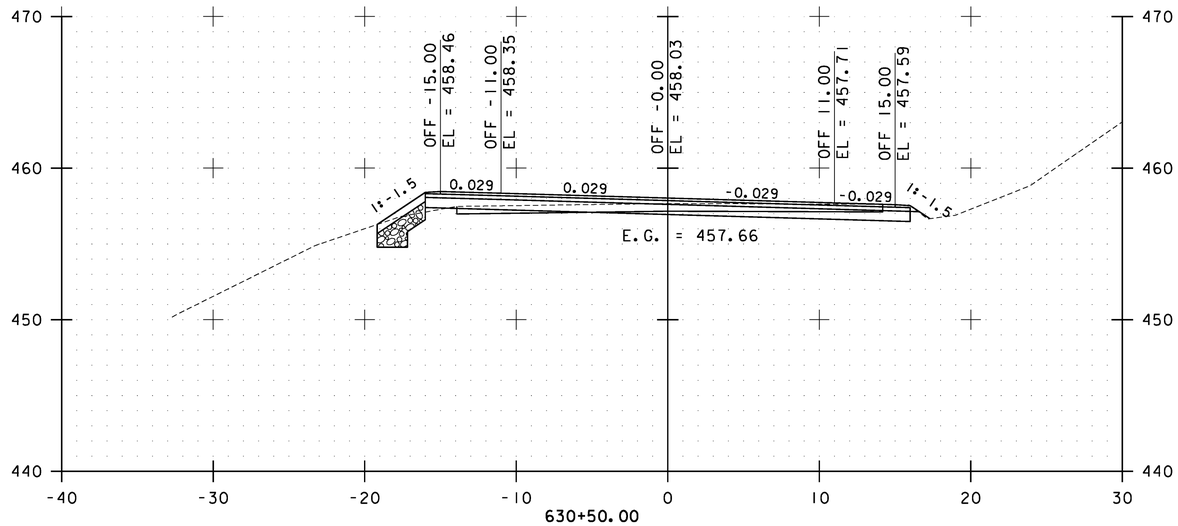
Stantec

CAMBRIDGE CROSS SECTIONS SHEET #57

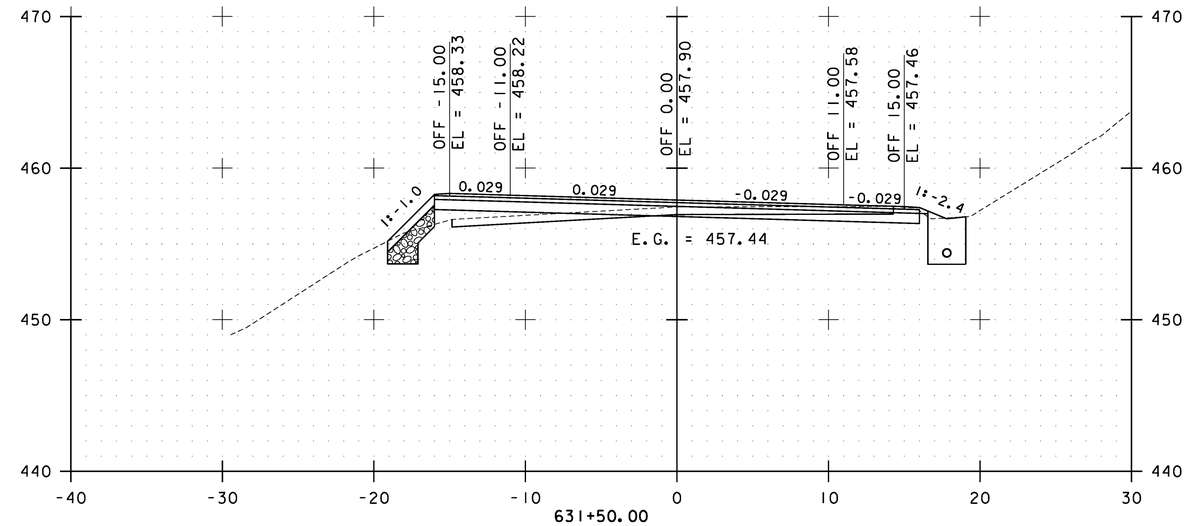
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs57.i

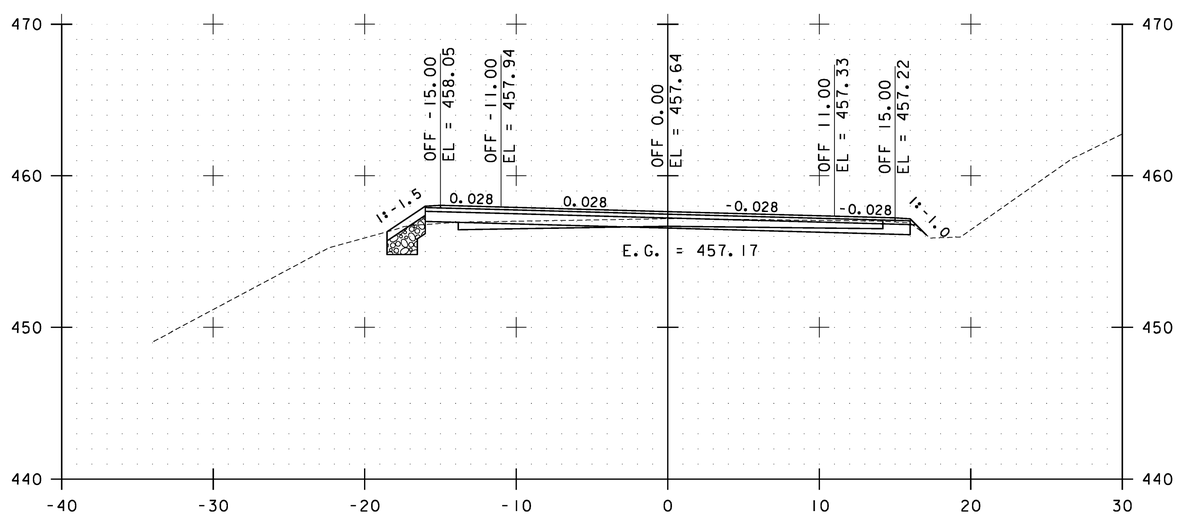
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 192 OF 387



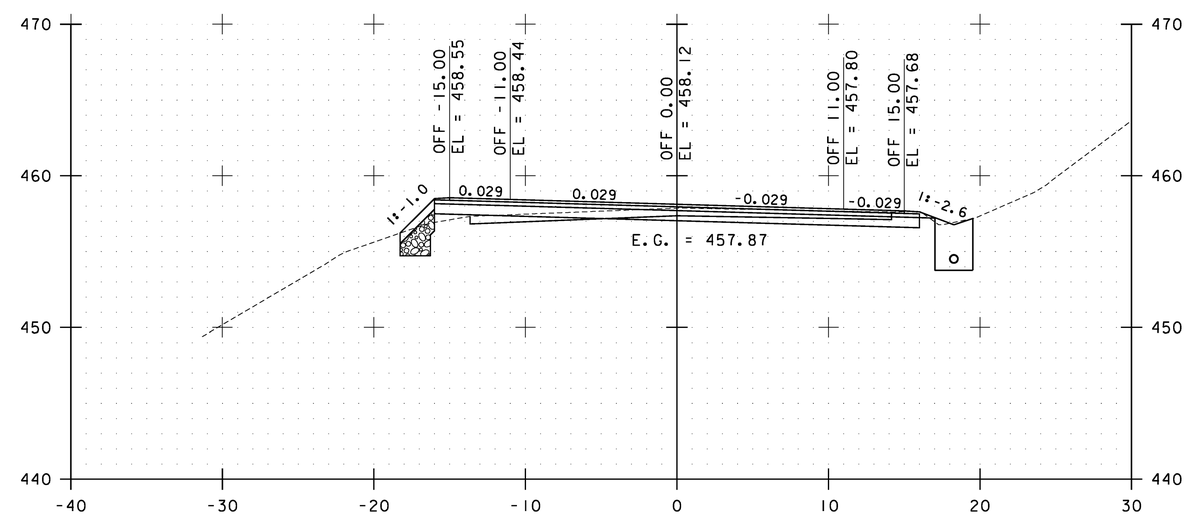
630+50.00



631+50.00



630+00.00



631+00.00

STA. 630+00.00 TO STA. 631+50.00

0 10 20
SCALE

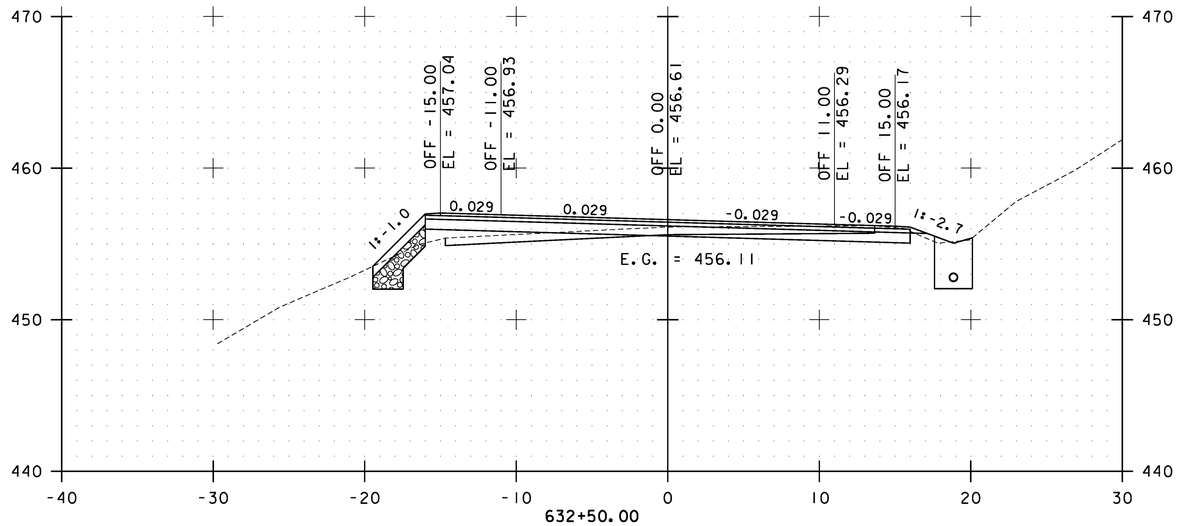
Stantec

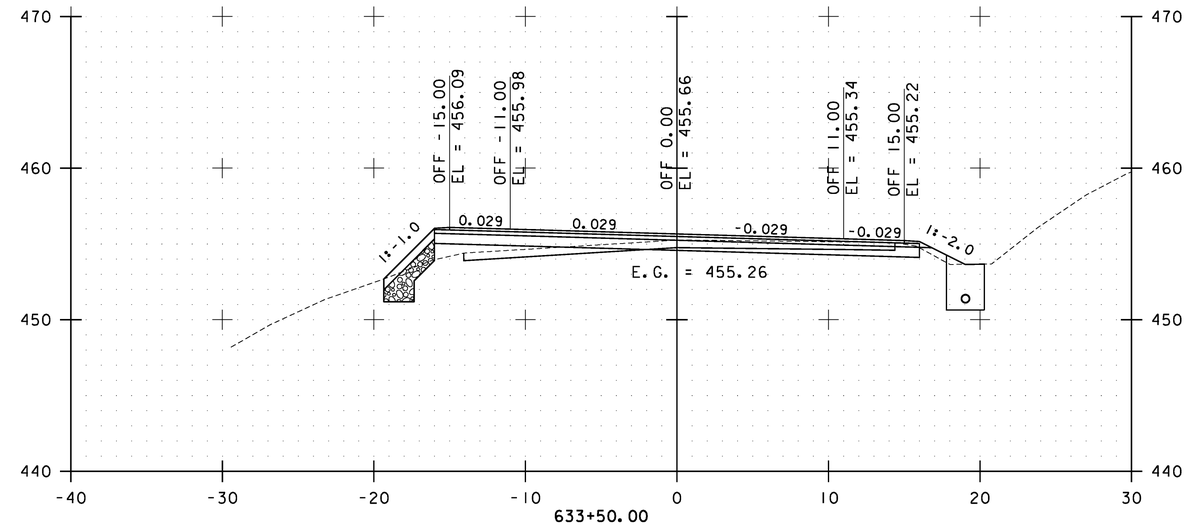
CAMBRIDGE CROSS SECTIONS SHEET #58

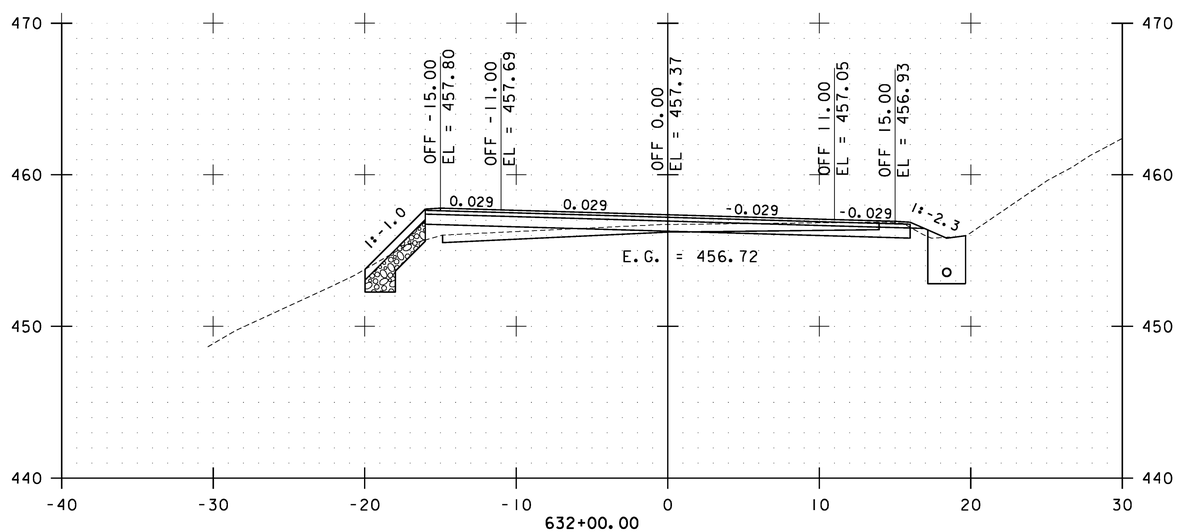
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

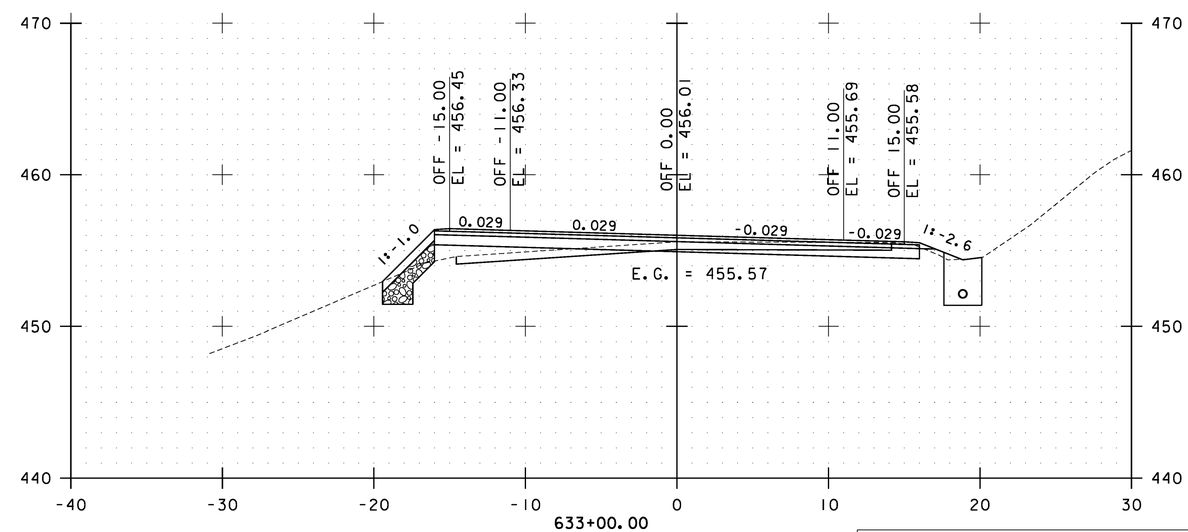
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs58.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 193 OF 387









STA. 632+00.00 TO STA. 633+50.00

0 10 20
SCALE

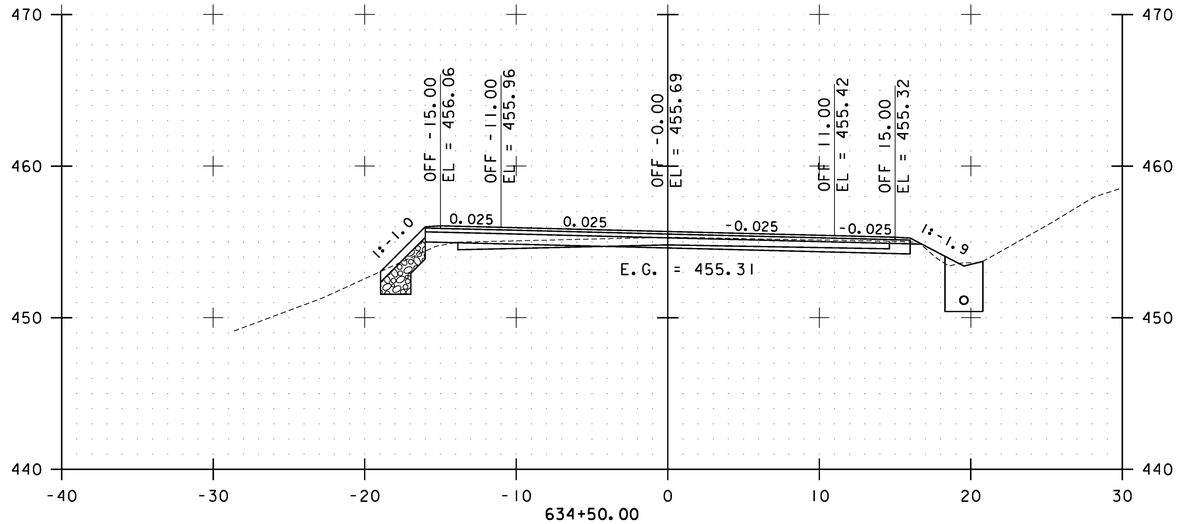
Stantec

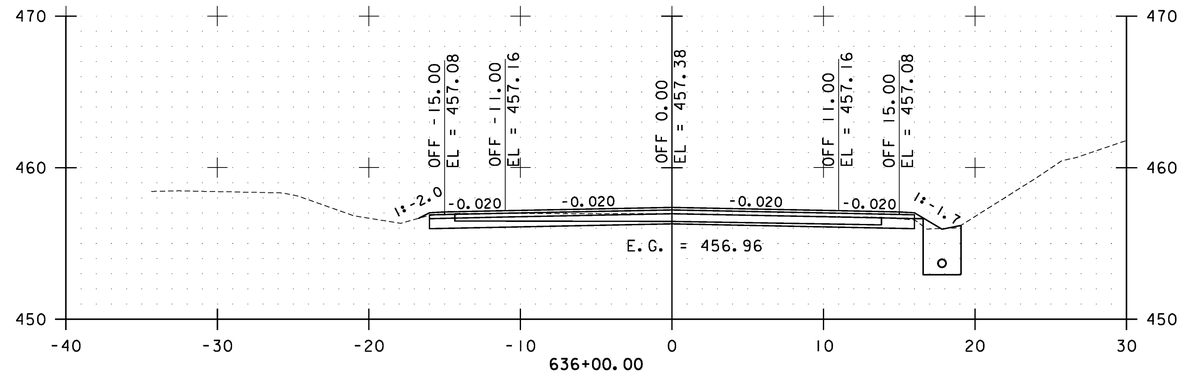
CAMBRIDGE CROSS SECTIONS SHEET #59

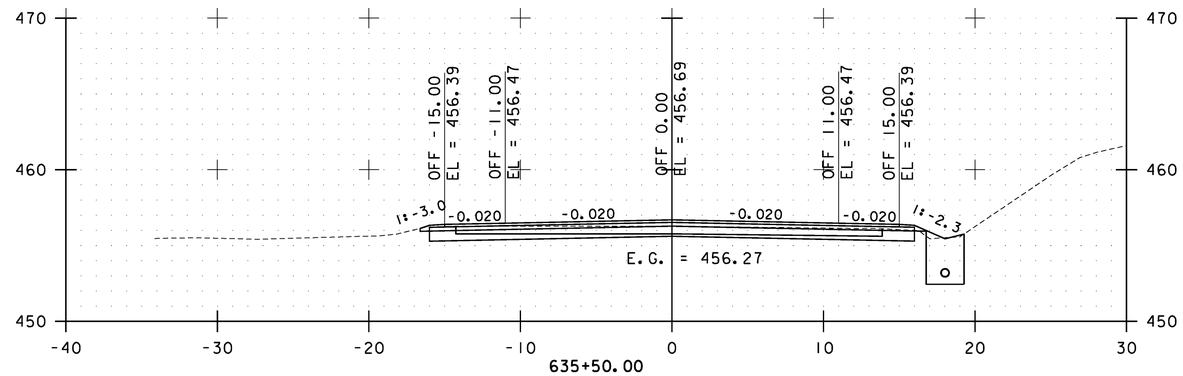
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

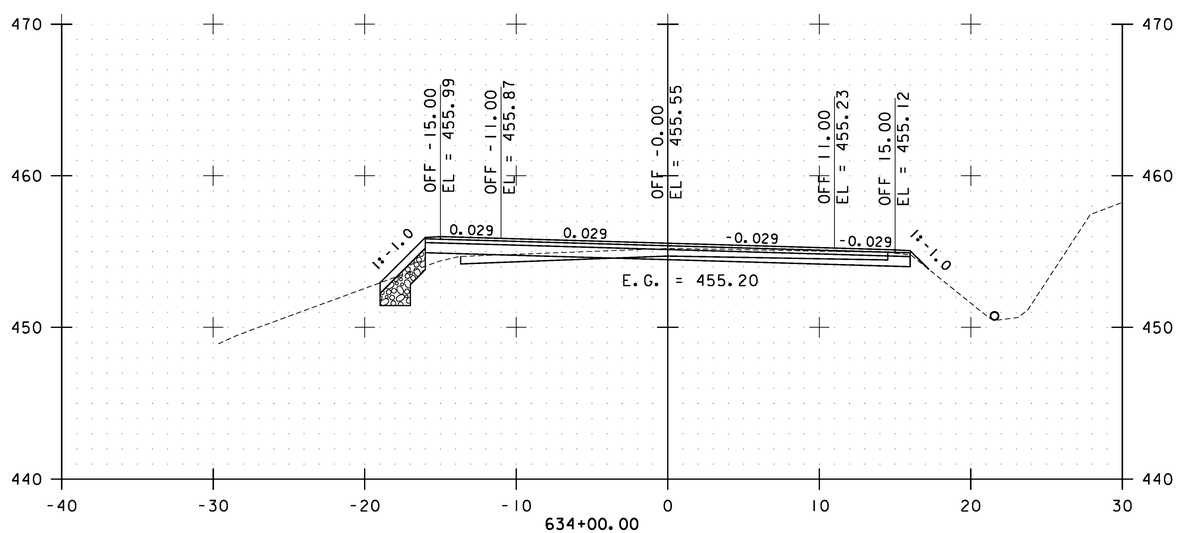
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs59.i

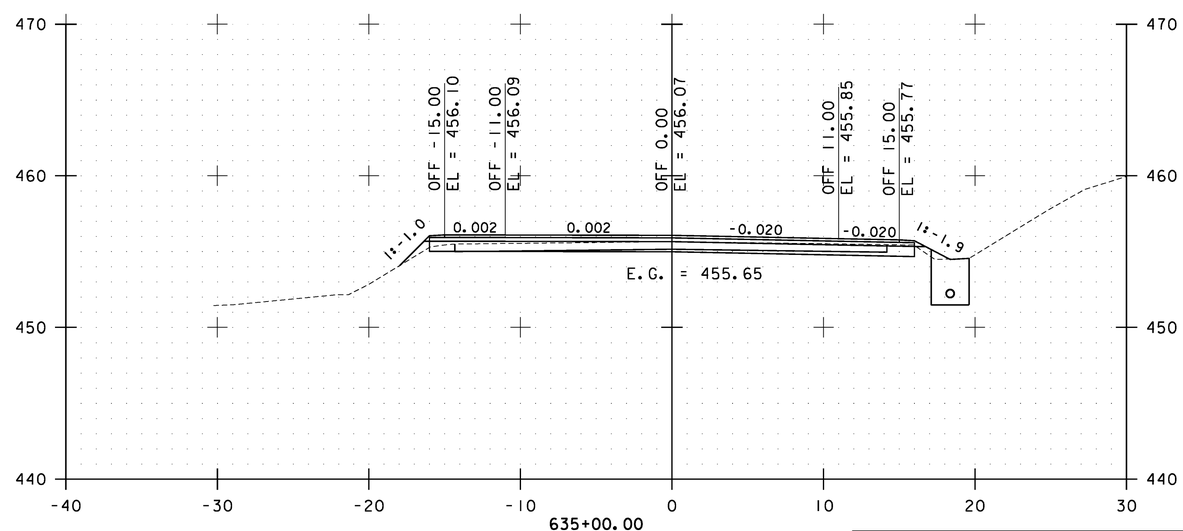
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 194 OF 387











STA. 634+00.00 TO STA. 636+00.00

0 10 20
SCALE

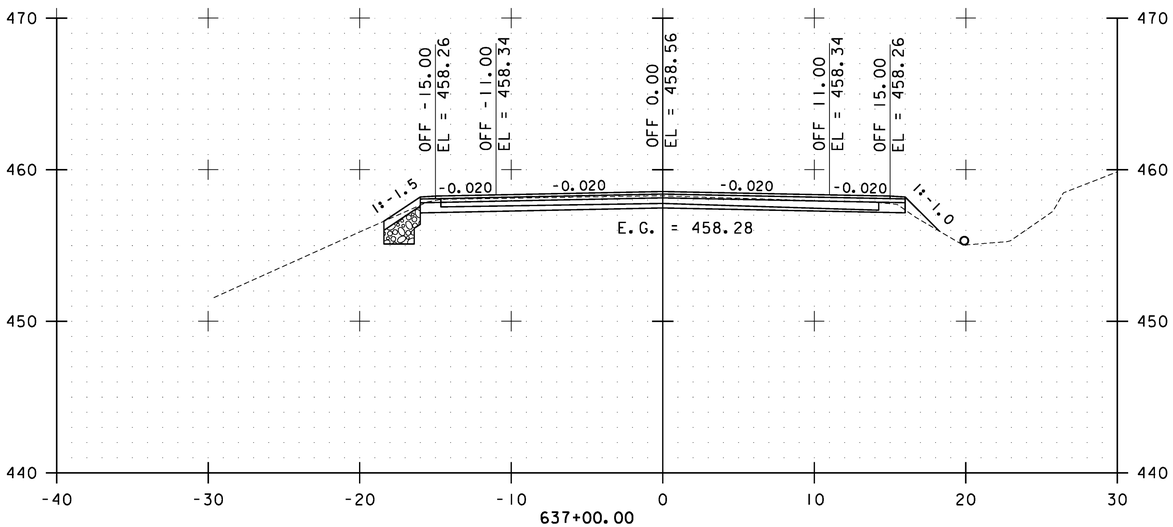
Stantec

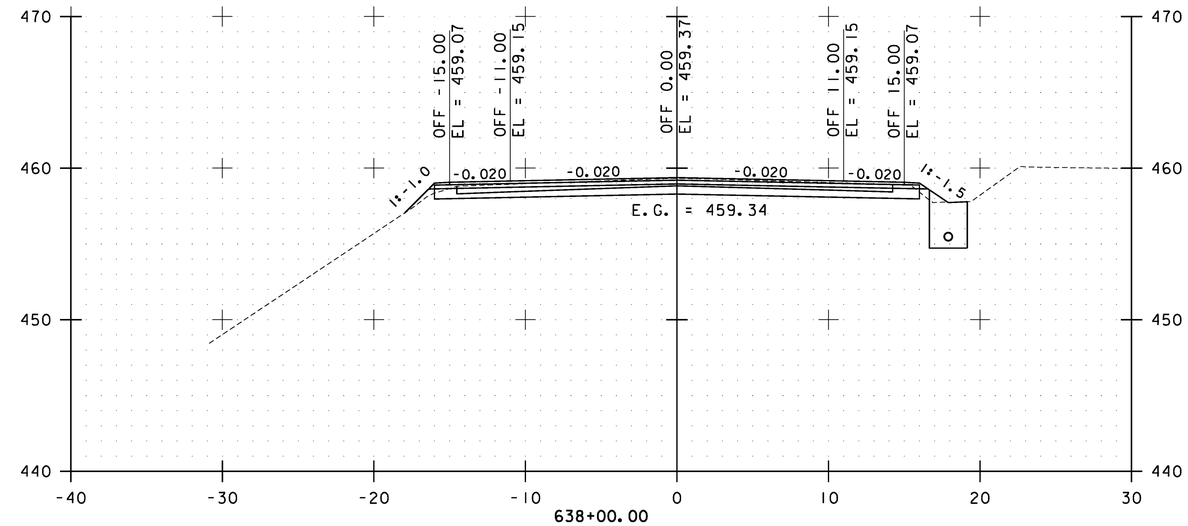
CAMBRIDGE CROSS SECTIONS SHEET #60

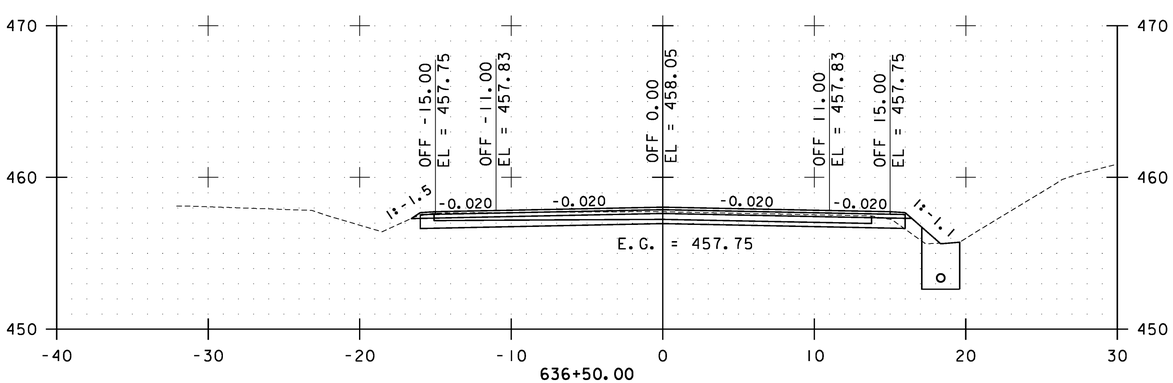
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

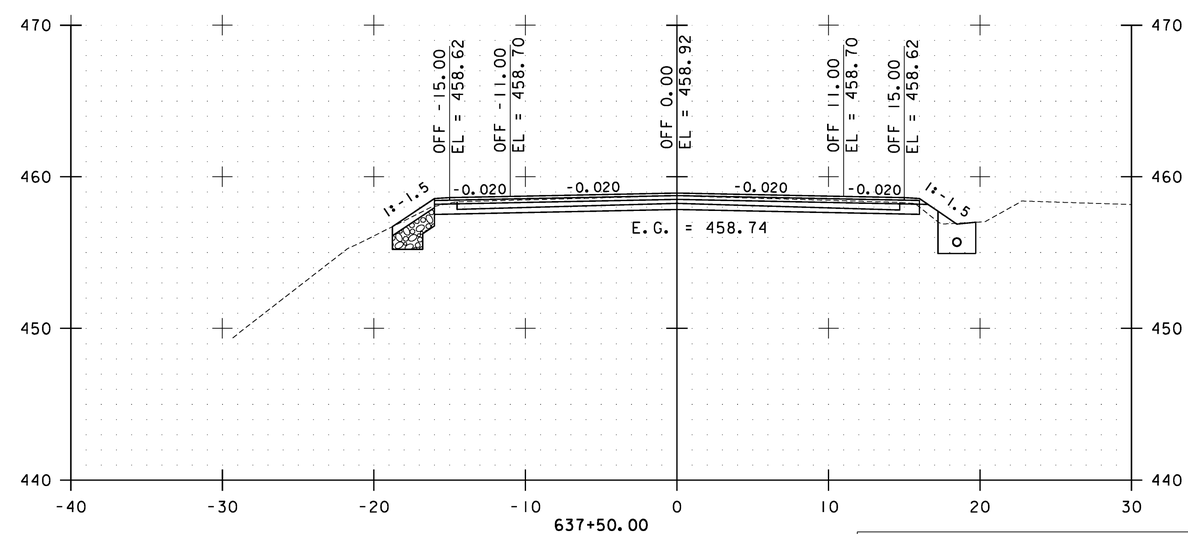
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs60.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 195 OF 387









STA. 636+50.00 TO STA. 638+00.00

0 10 20
SCALE

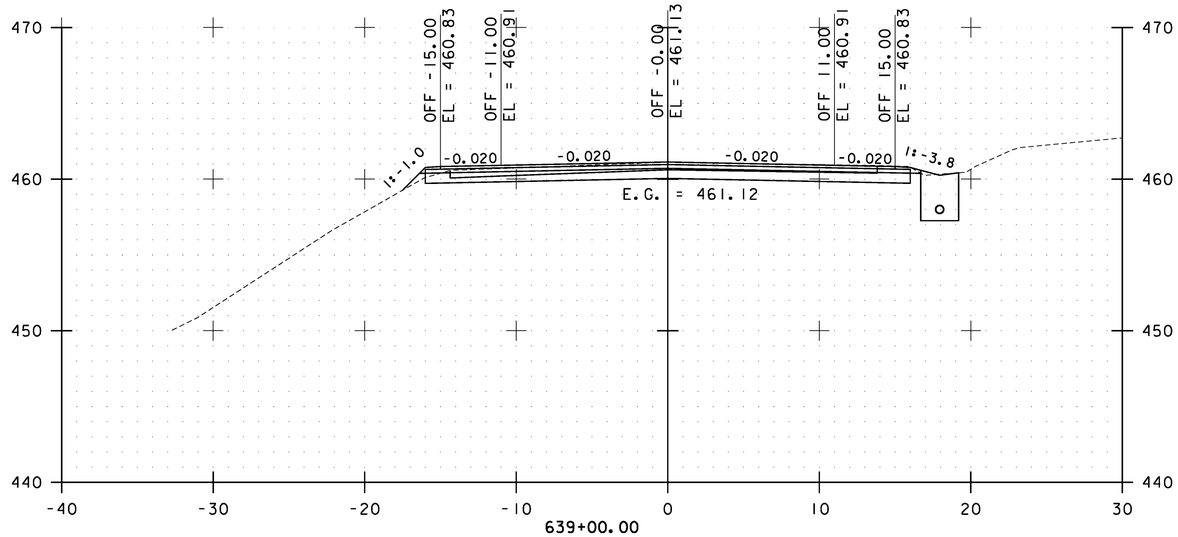
Stantec

CAMBRIDGE CROSS SECTIONS SHEET #61

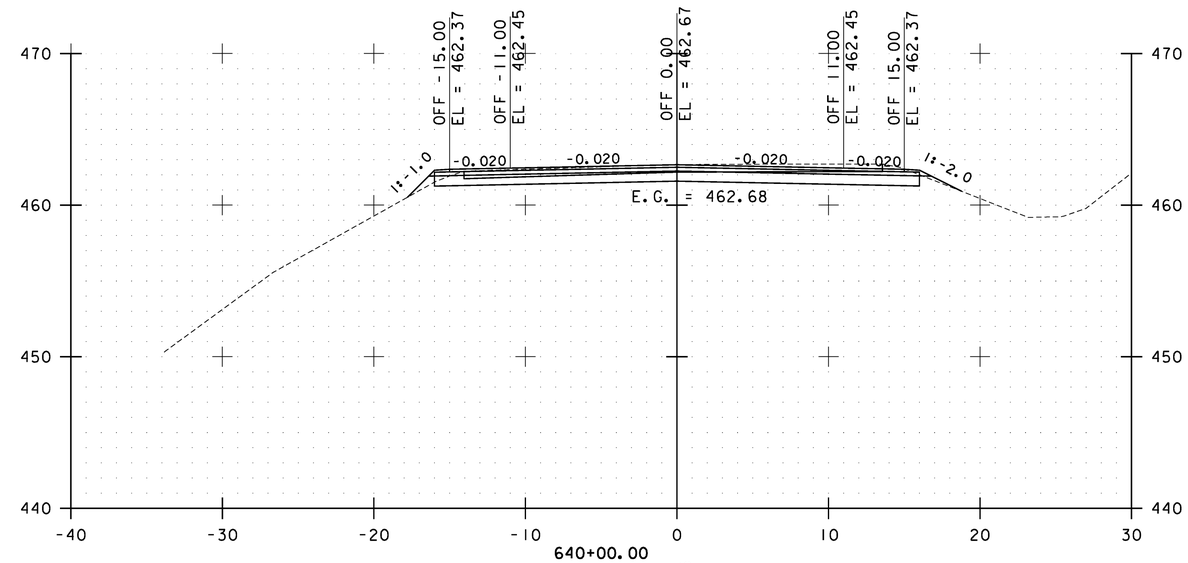
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs61.i

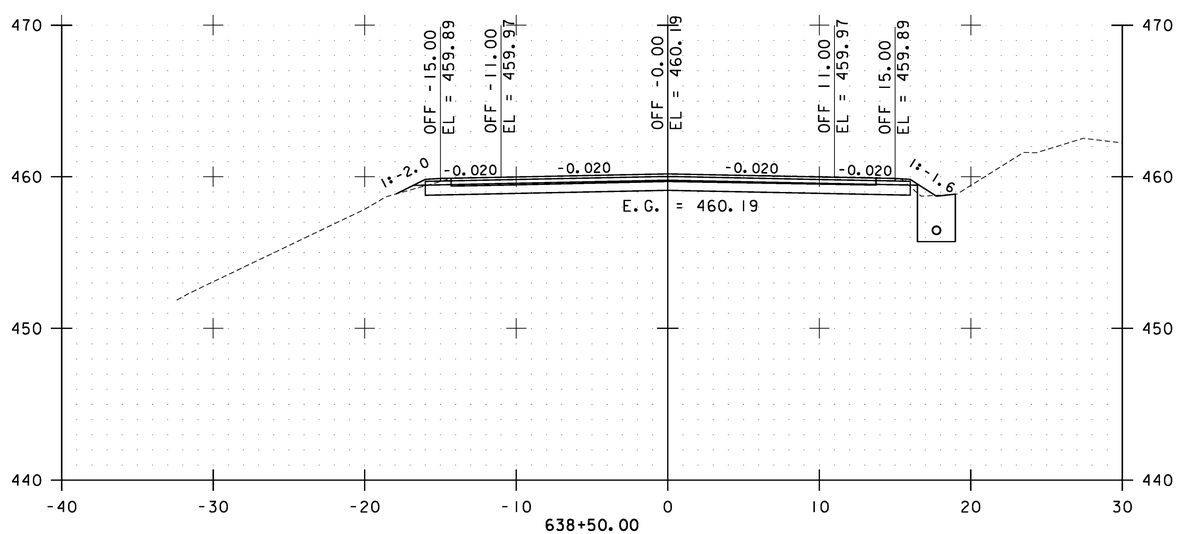
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 196 OF 387



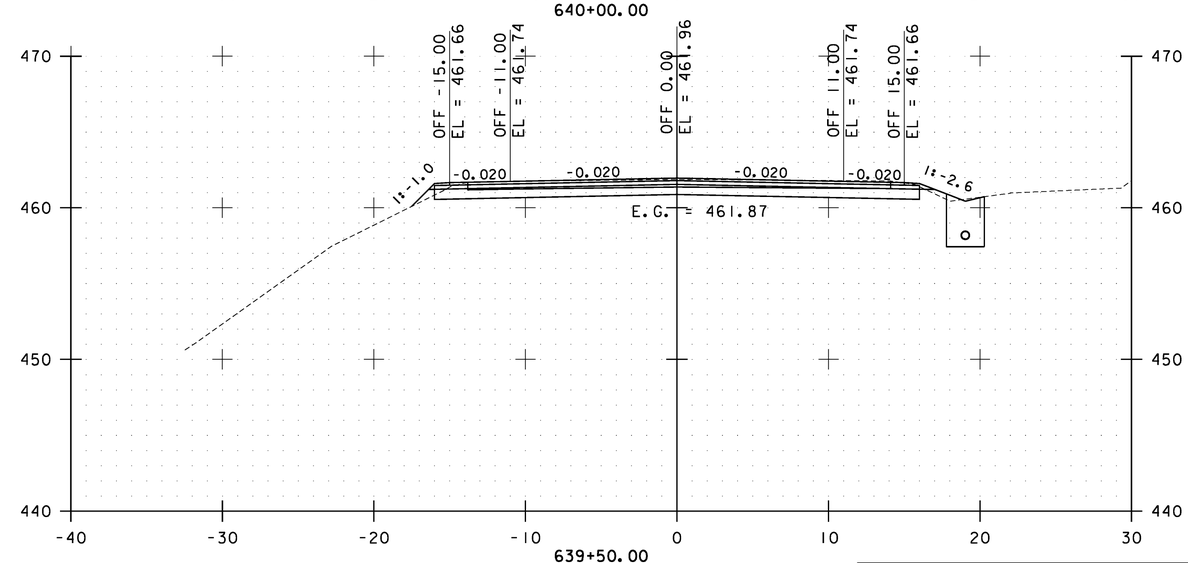
639+00.00



640+00.00



638+50.00



639+50.00

STA. 638+50.00 TO STA. 640+00.00

0 10 20
SCALE

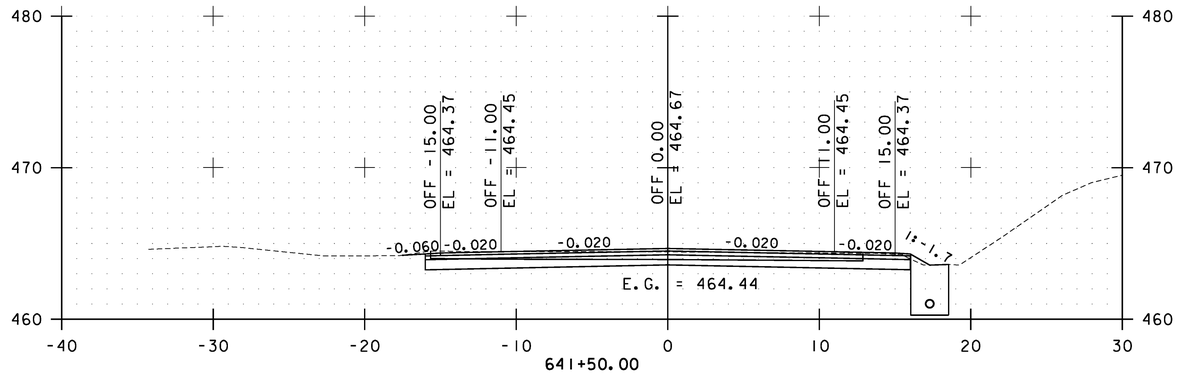
Stantec

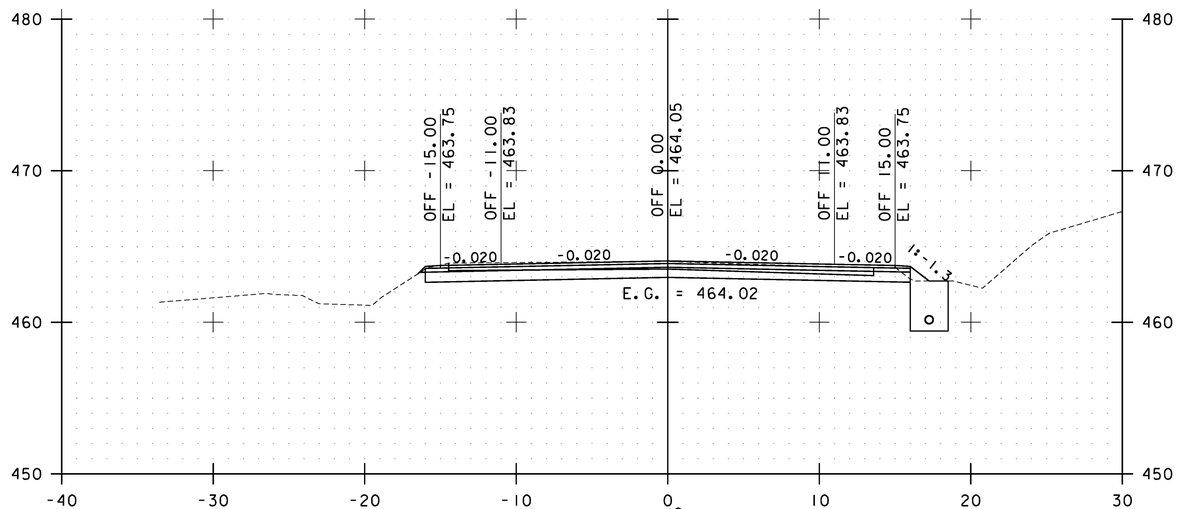
CAMBRIDGE CROSS SECTIONS SHEET #62

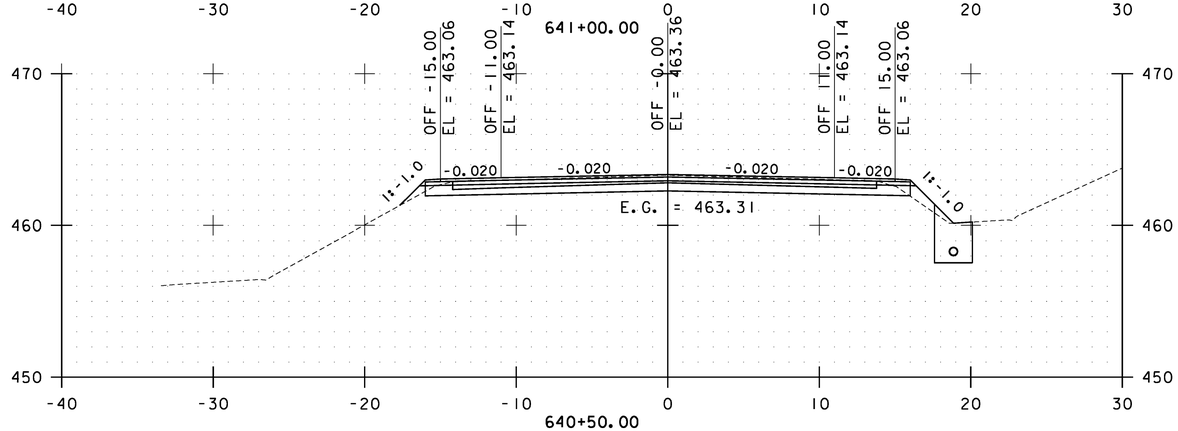
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

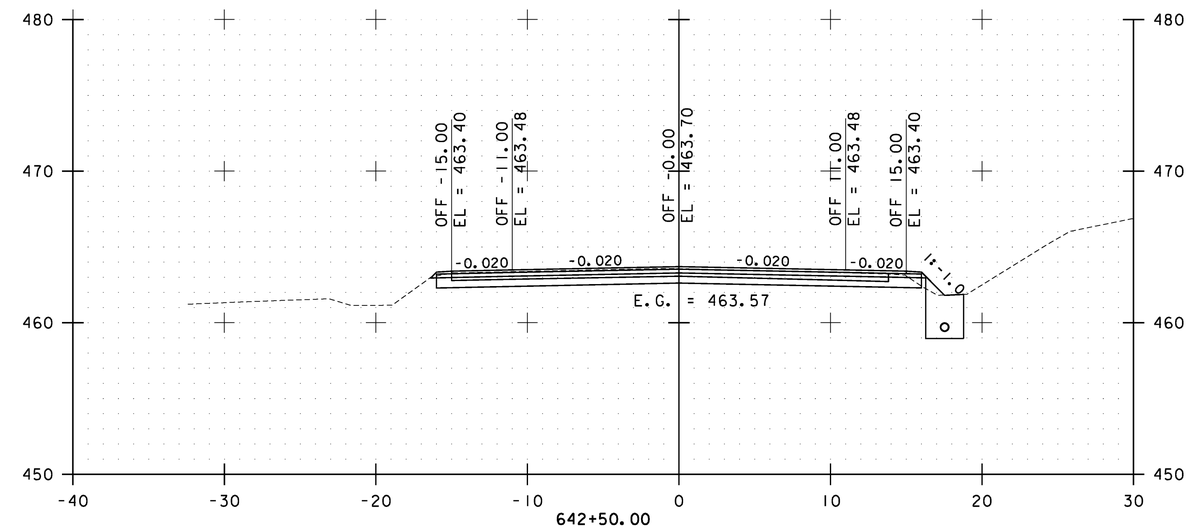
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs62.i

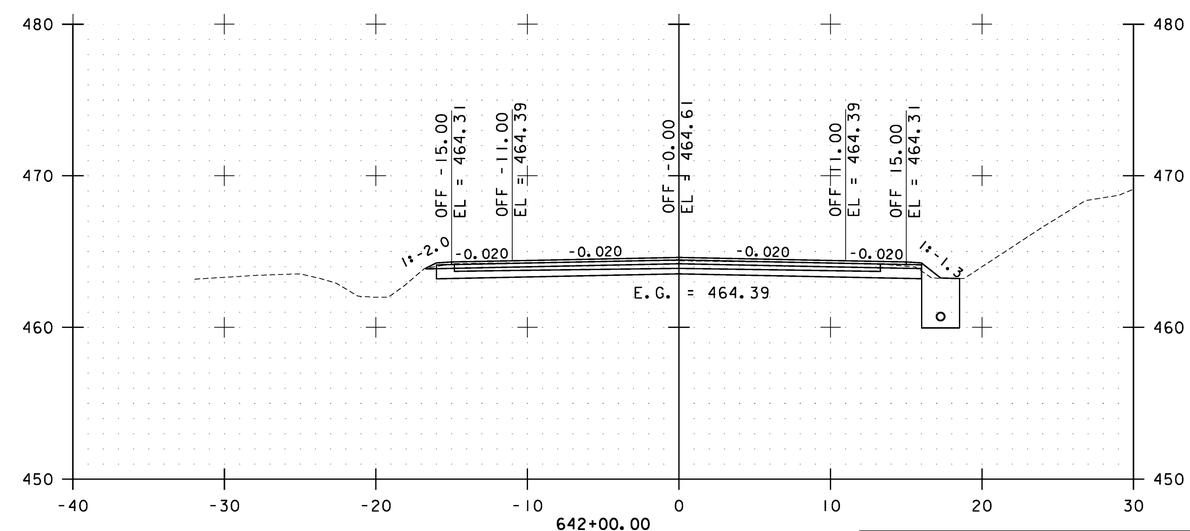
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 197 OF 387











STA. 640+50.00 TO STA. 642+50.00

0 10 20
SCALE

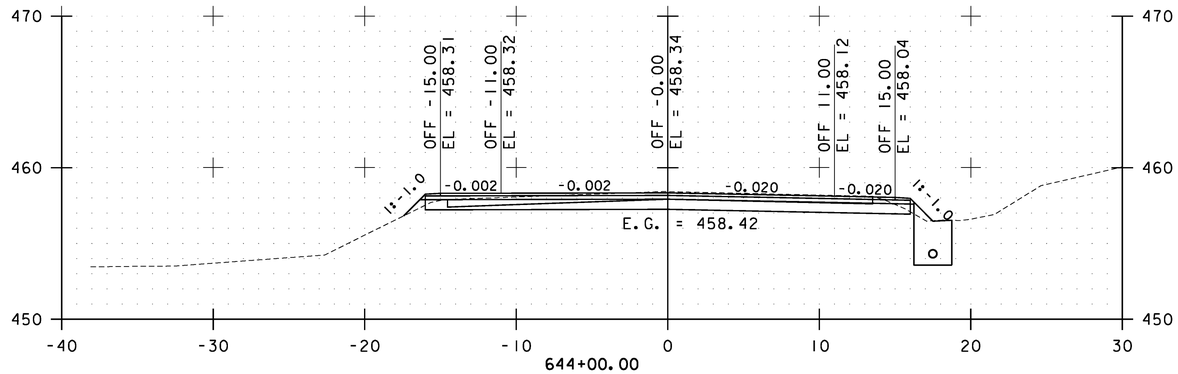
Stantec

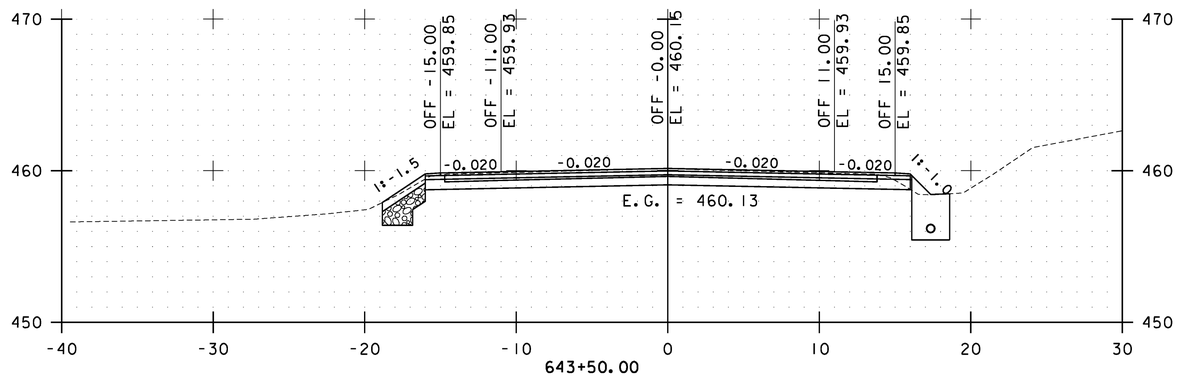
CAMBRIDGE CROSS SECTIONS SHEET #63

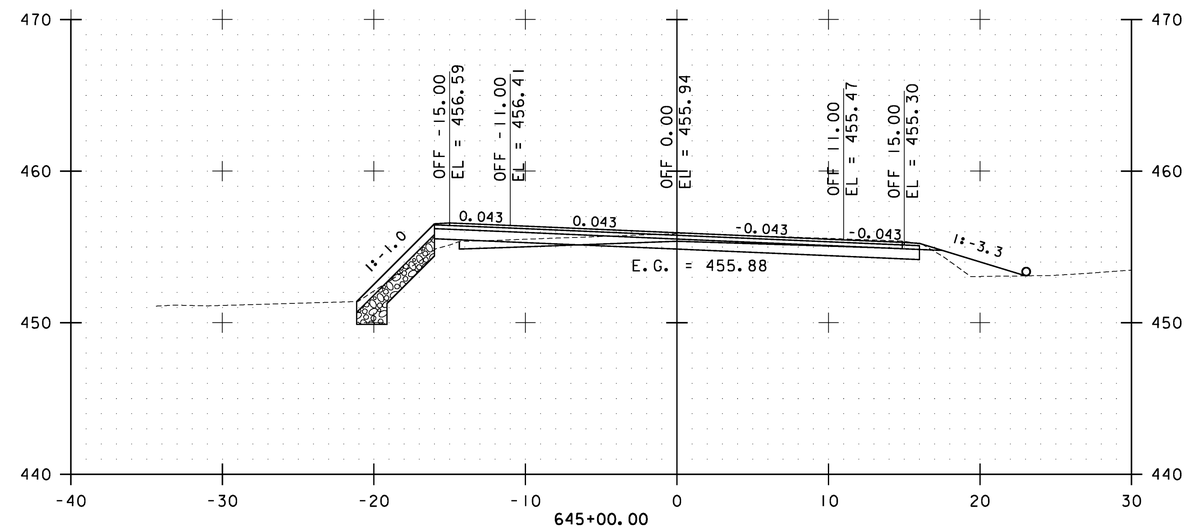
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

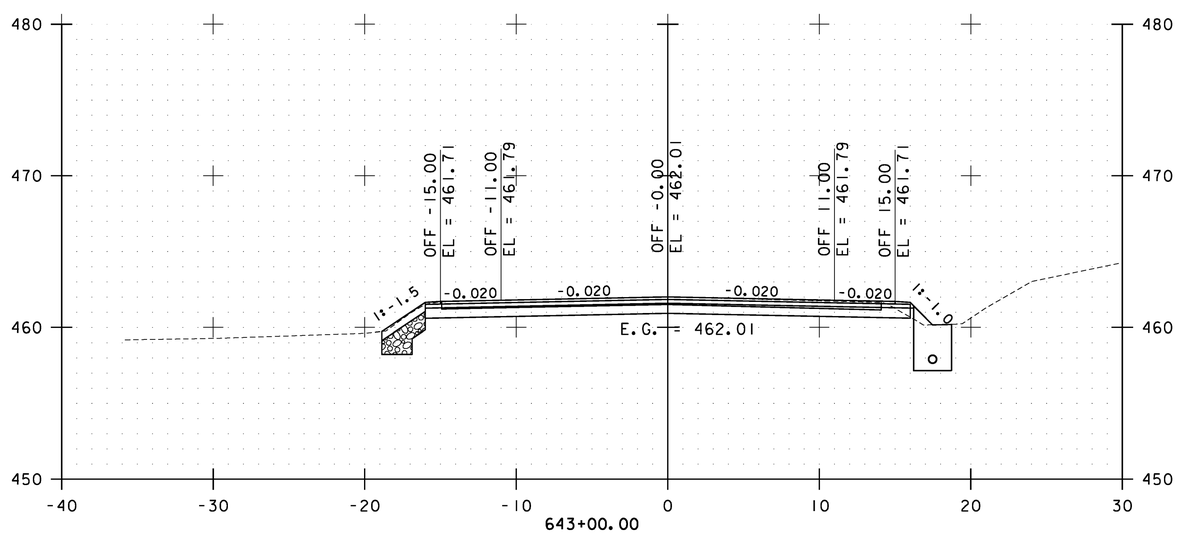
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs63.i

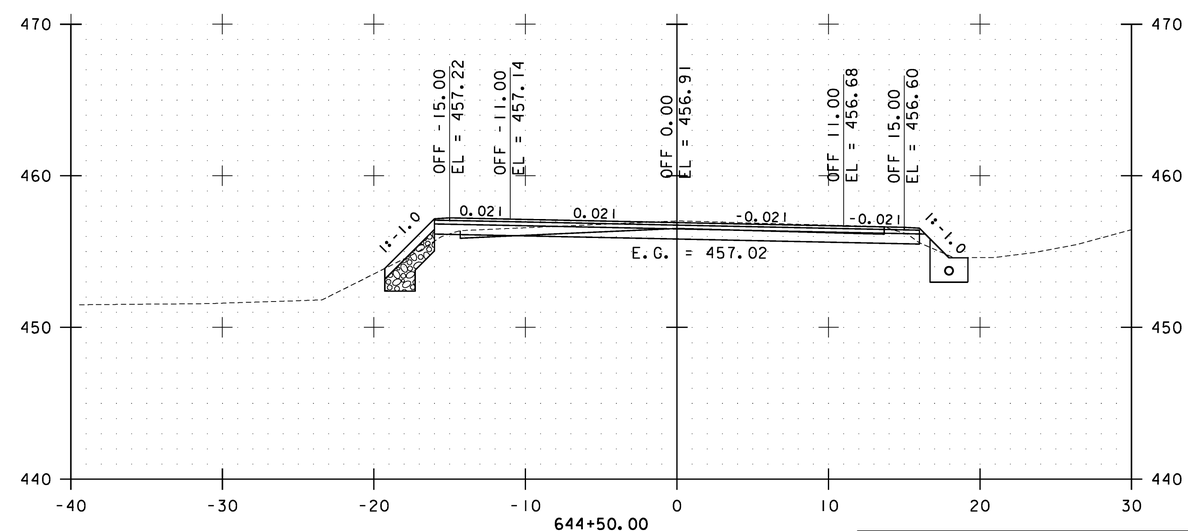
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 198 OF 387











STA. 643+00.00 TO STA. 645+00.00

0 10 20
SCALE

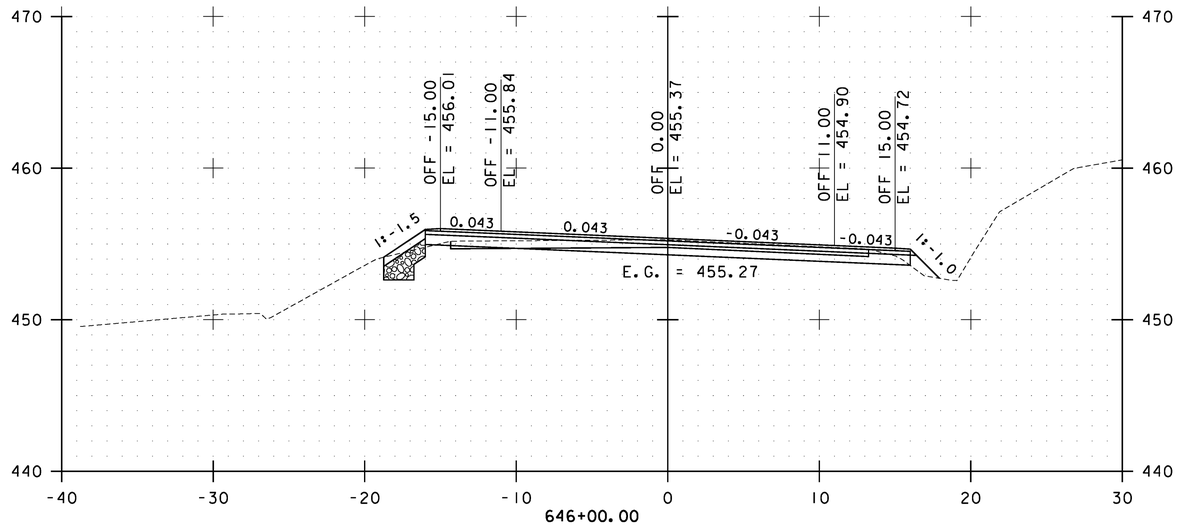
Stantec

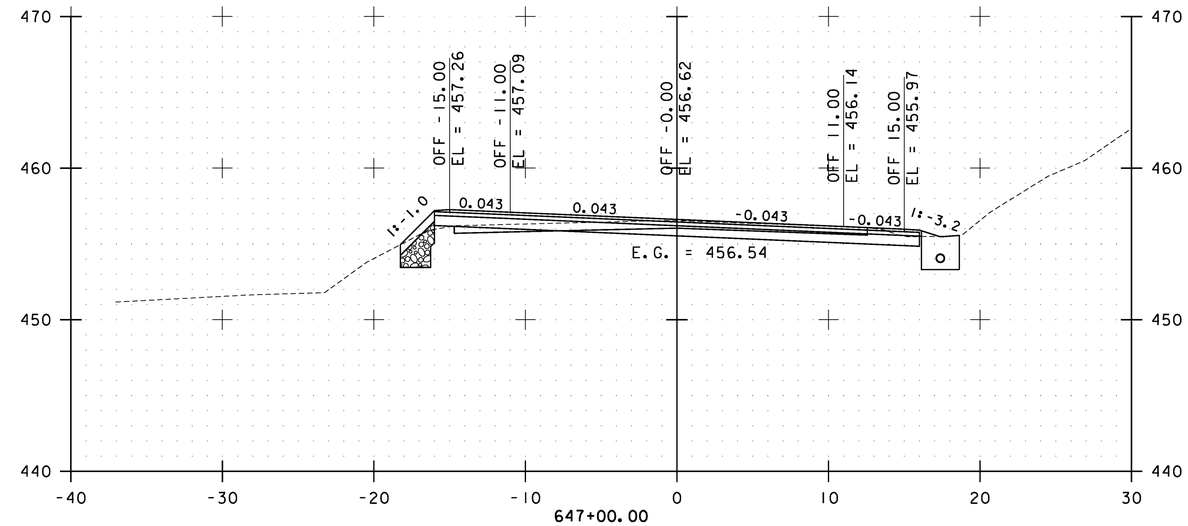
CAMBRIDGE CROSS SECTIONS SHEET #64

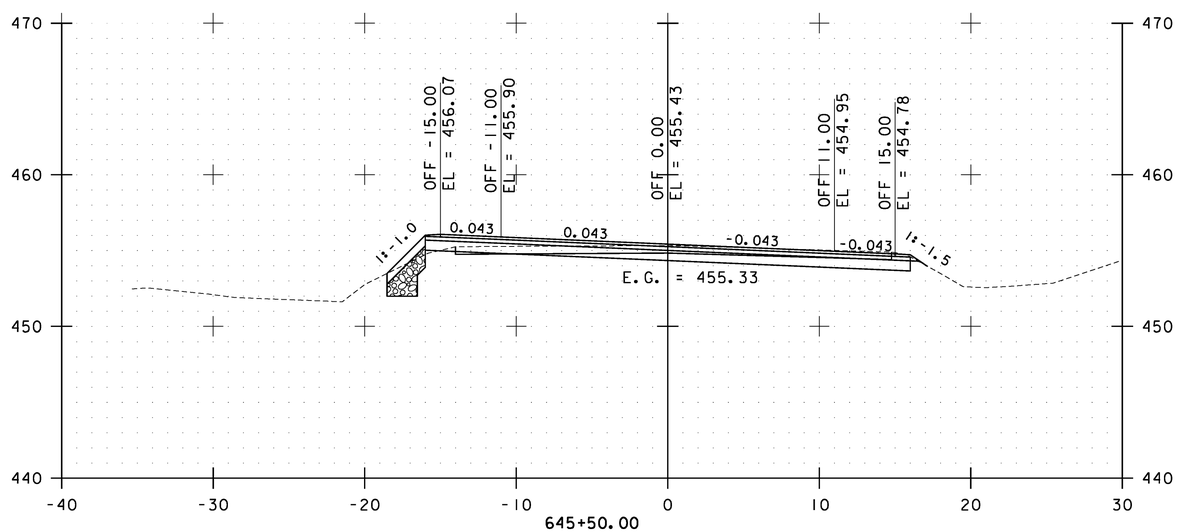
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

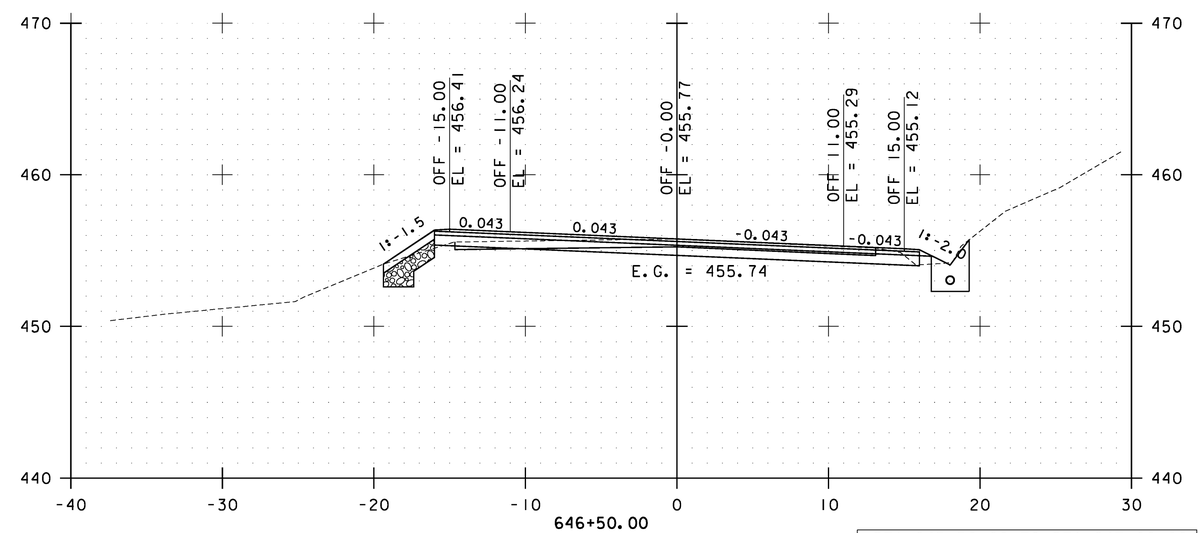
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs64.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 199 OF 387









STA. 645+50.00 TO STA. 647+00.00

0 10 20
SCALE

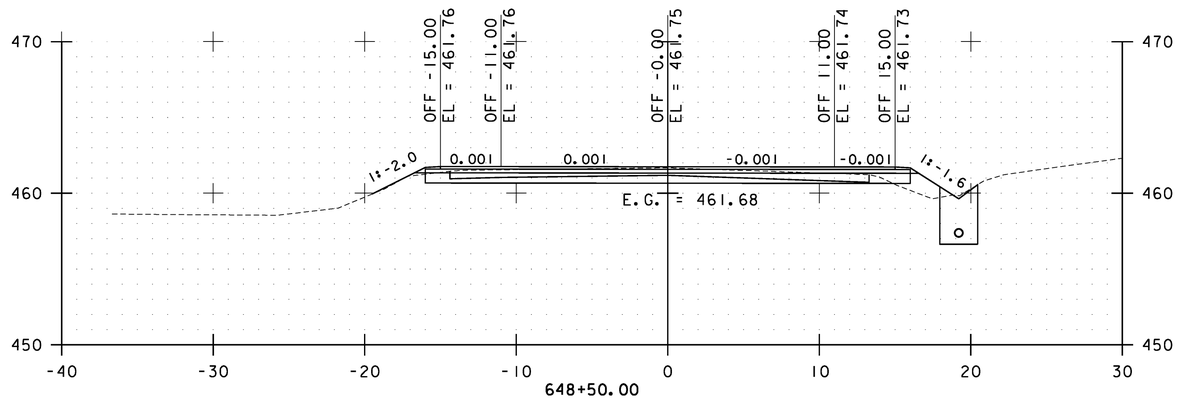
Stantec

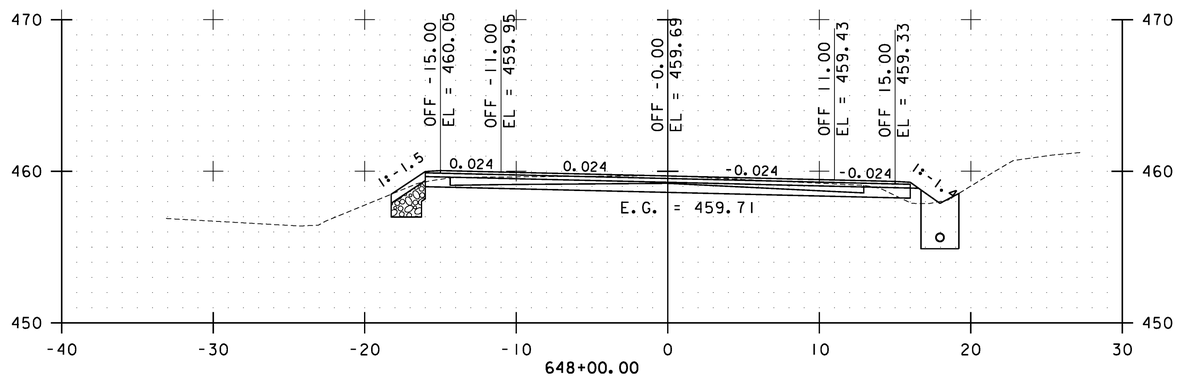
CAMBRIDGE CROSS SECTIONS SHEET #65

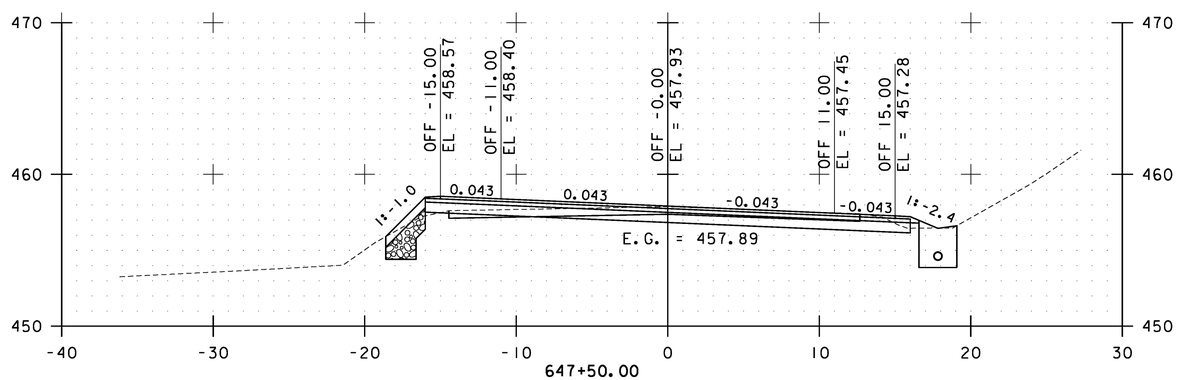
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

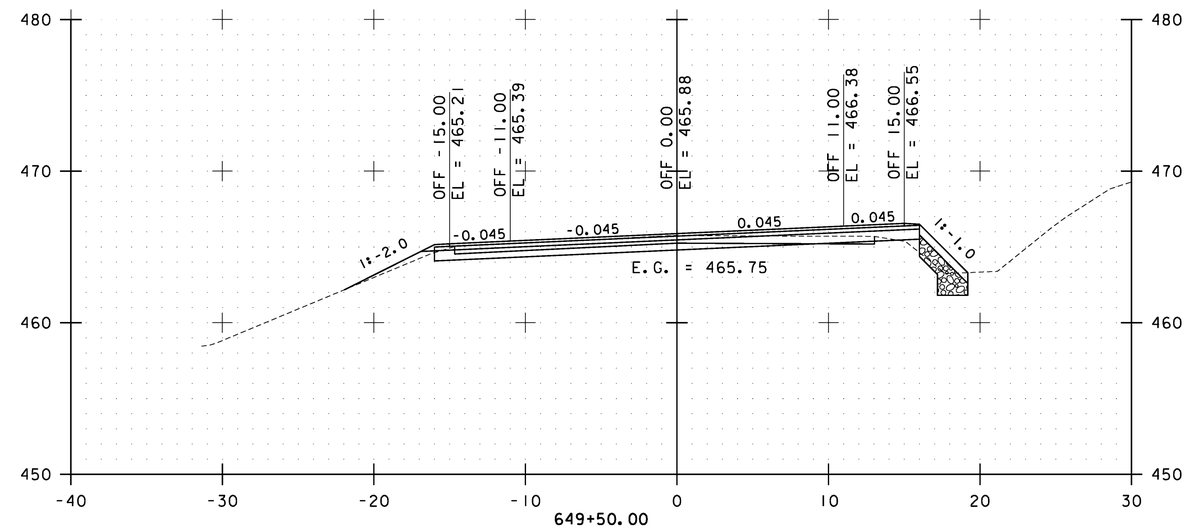
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs65.i

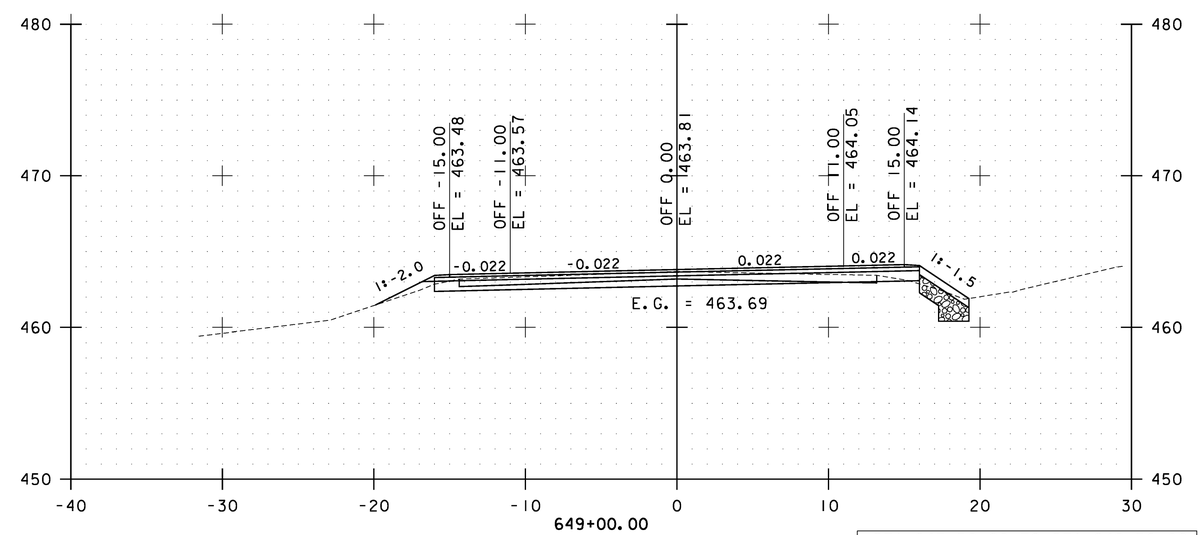
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 200 OF 387











STA. 647+50.00 TO STA. 649+50.00

0 10 20
SCALE

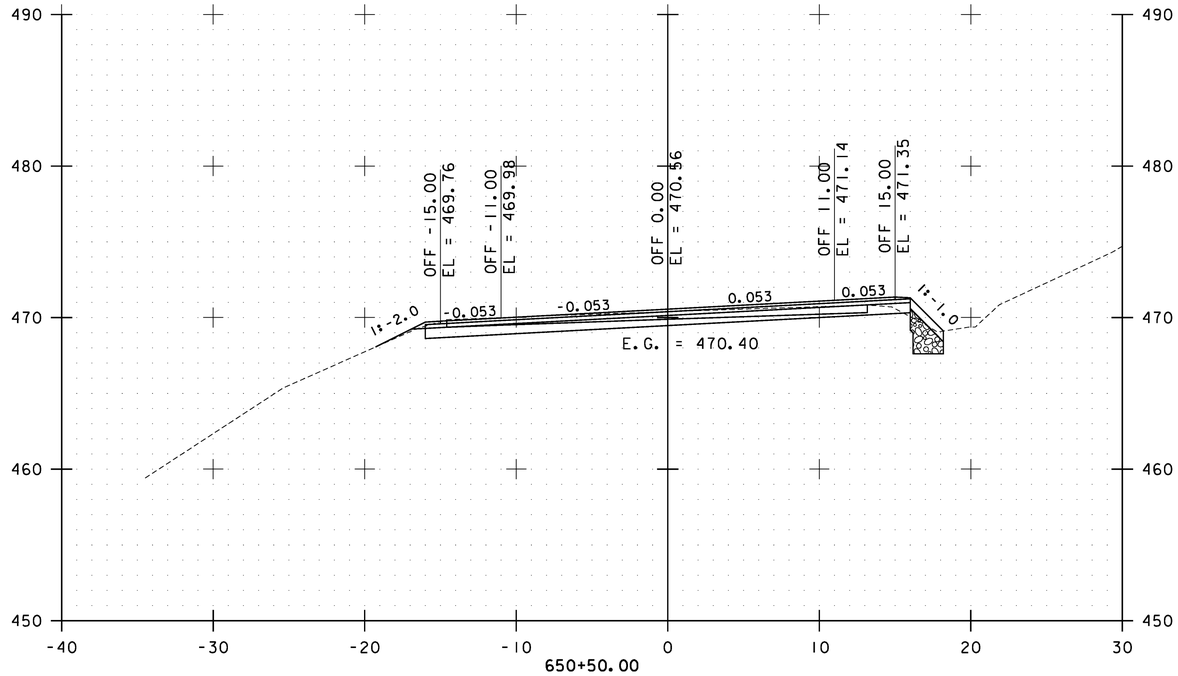
Stantec

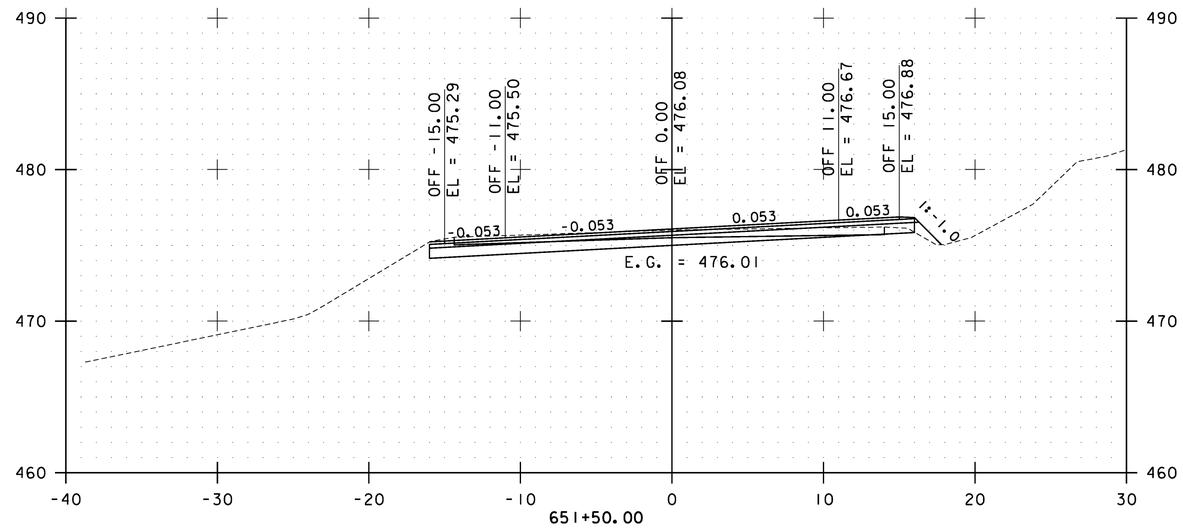
CAMBRIDGE CROSS SECTIONS SHEET #66

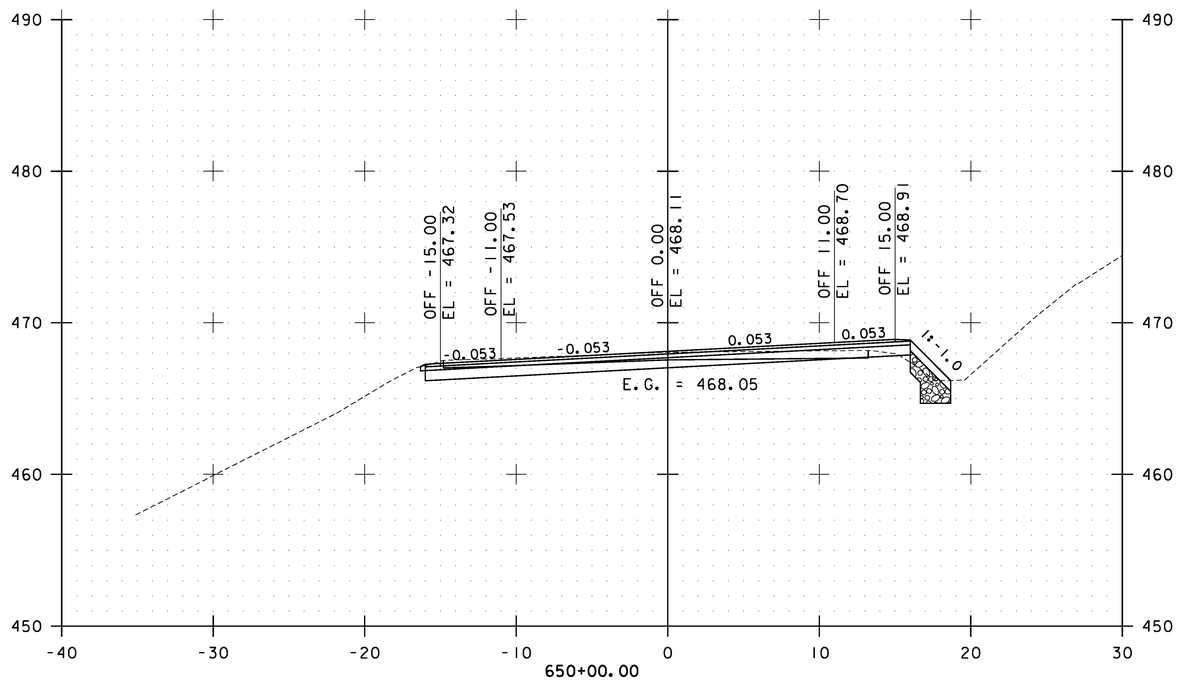
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

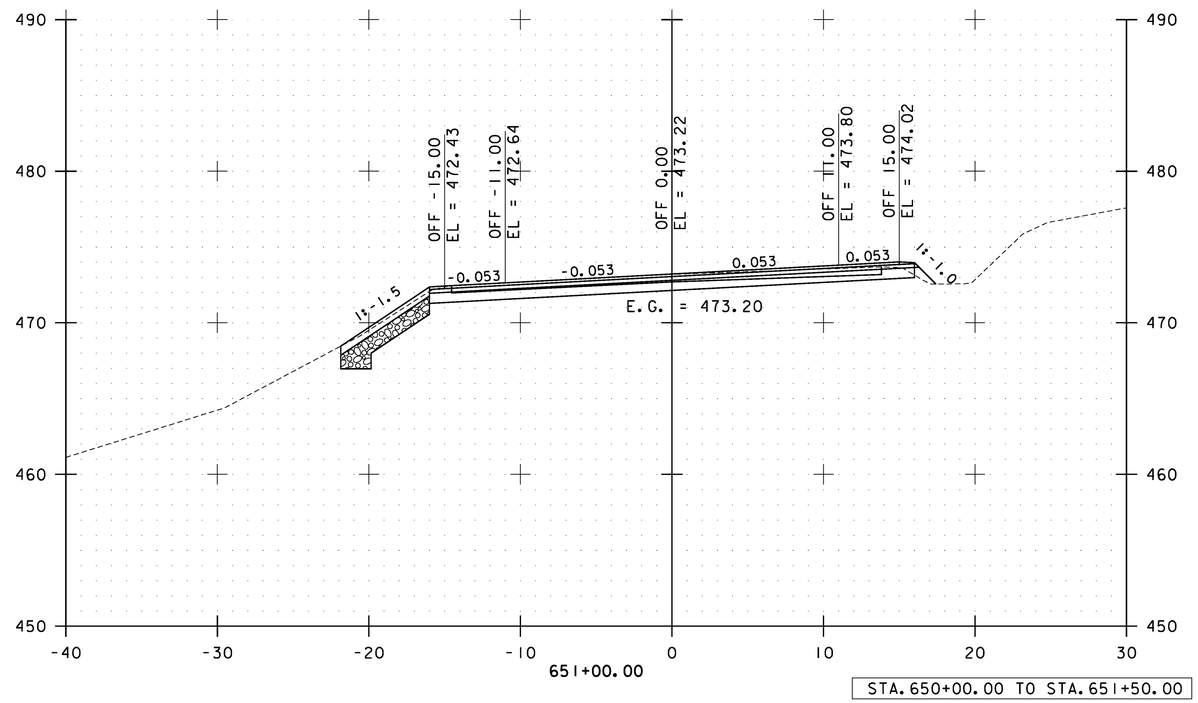
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs66.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 201 OF 387









STA. 650+00.00 TO STA. 651+50.00

0 10 20
SCALE

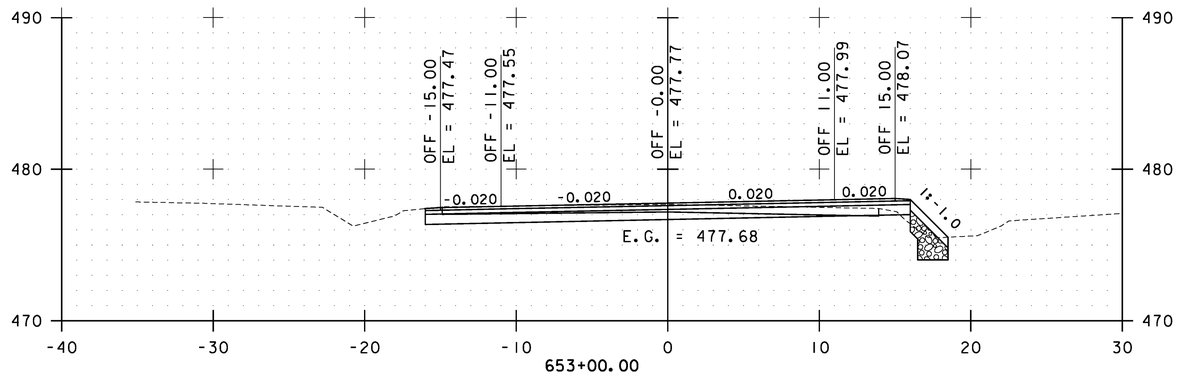
Stantec

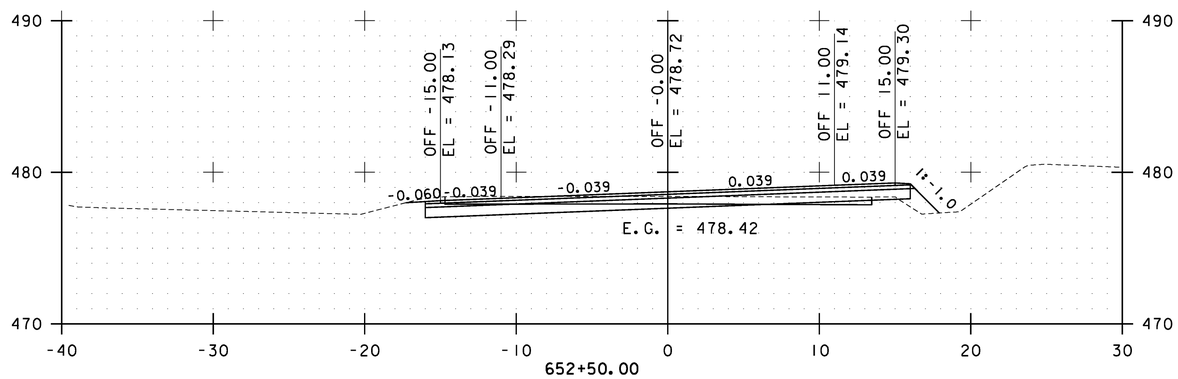
CAMBRIDGE CROSS SECTIONS SHEET #67

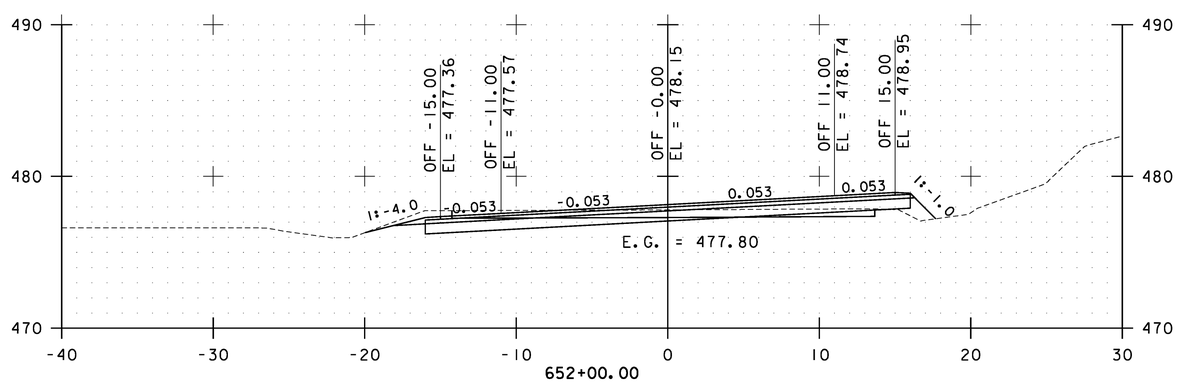
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

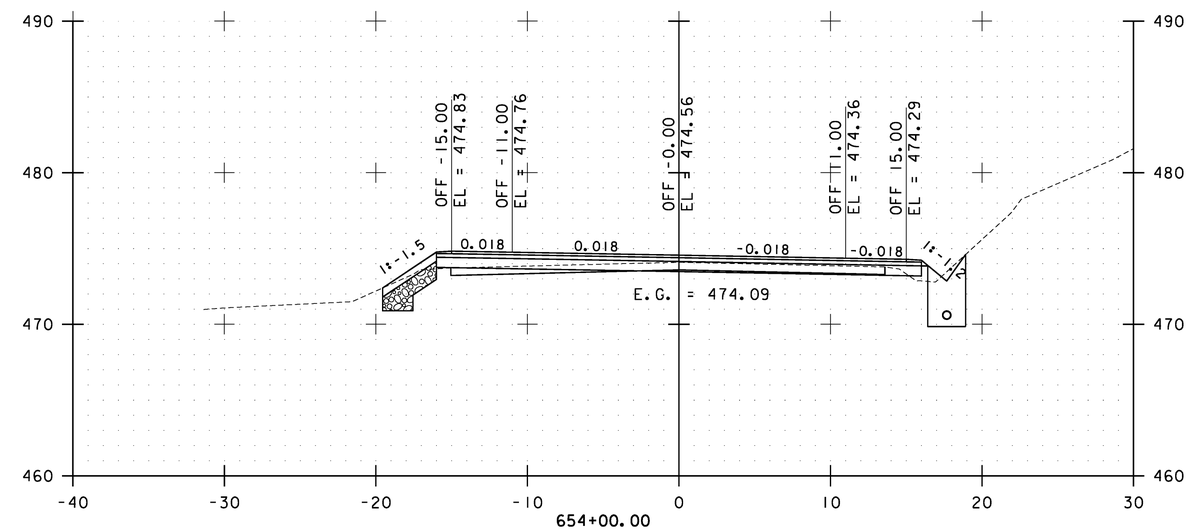
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs67.i

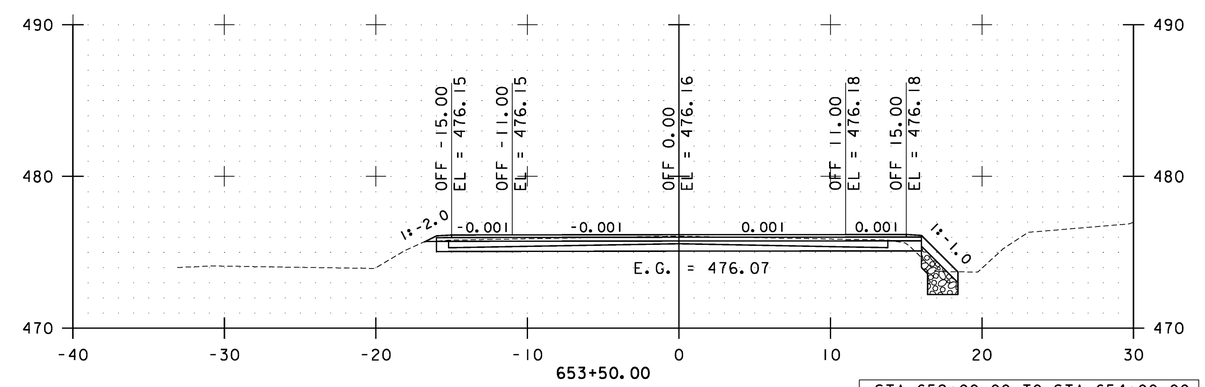
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 202 OF 387











STA. 652+00.00 TO STA. 654+00.00

0 10 20
SCALE

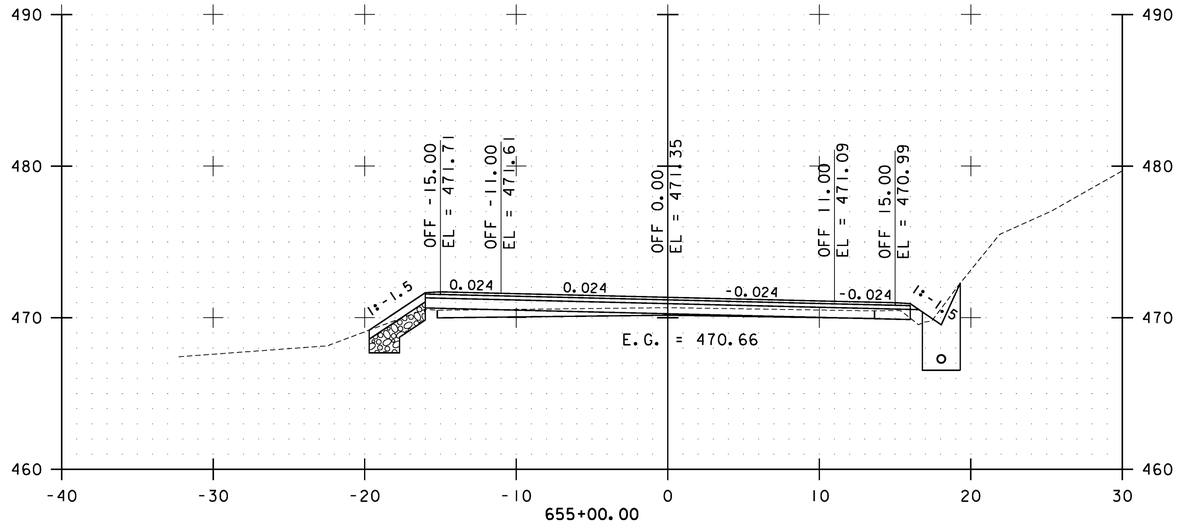
Stantec

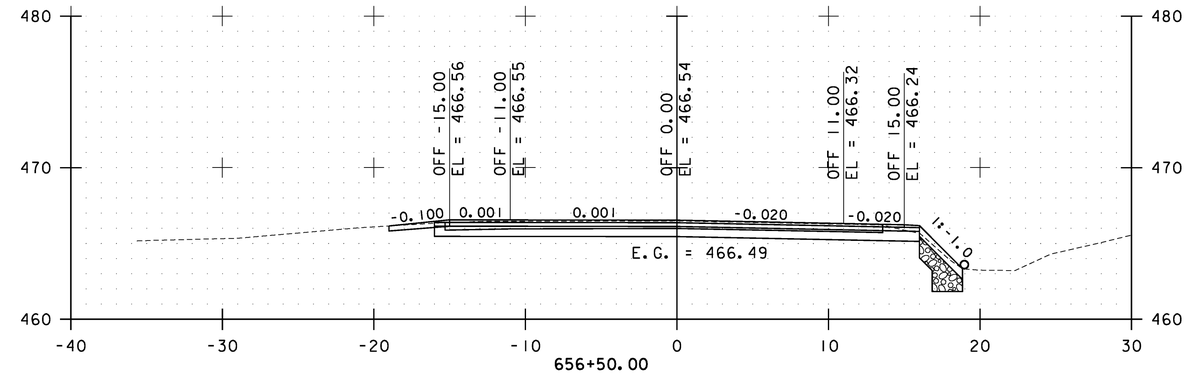
CAMBRIDGE CROSS SECTIONS SHEET #68

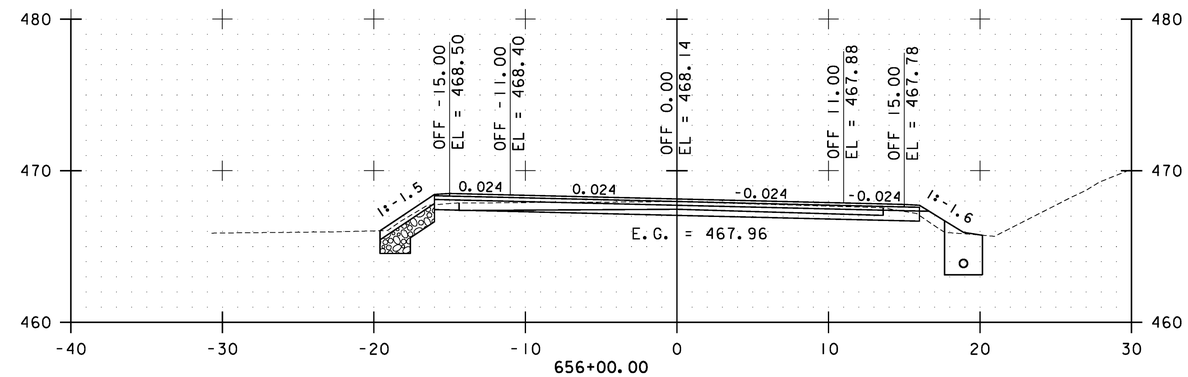
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

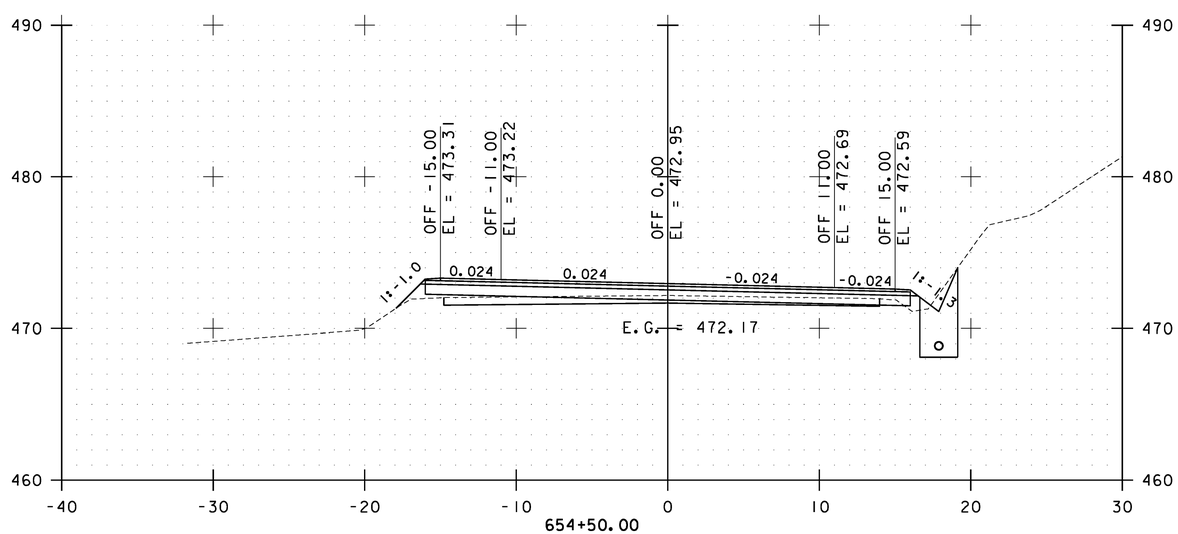
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs68.i

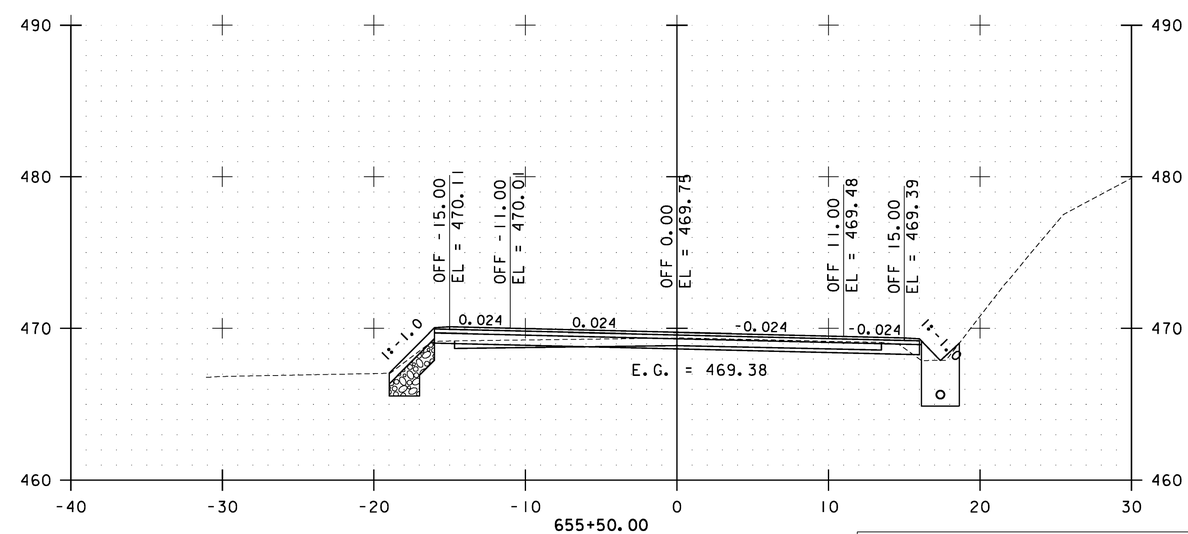
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 203 OF 387











STA. 654+50.00 TO STA. 656+50.00

0 10 20
SCALE

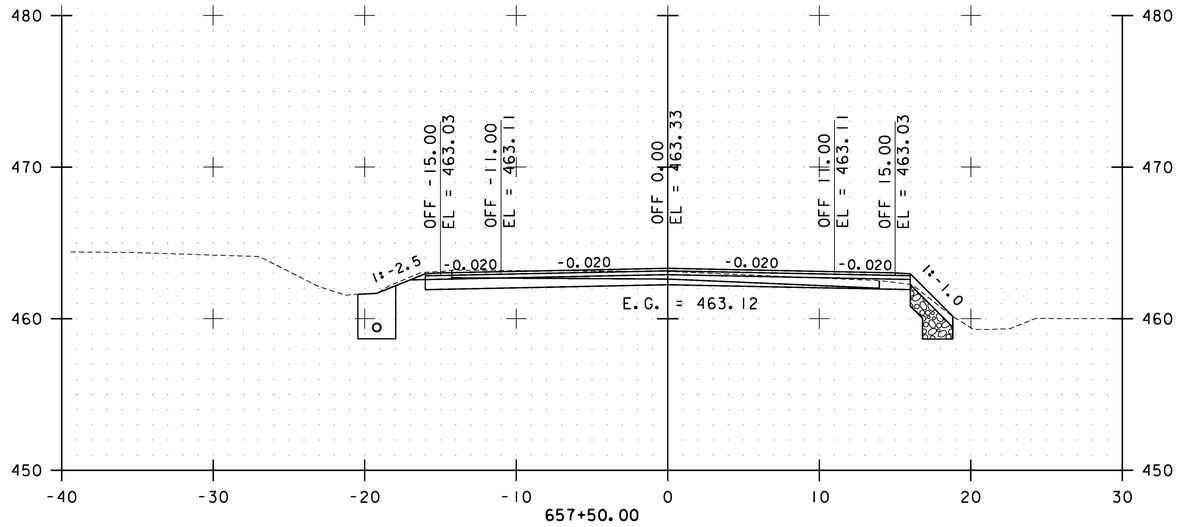
Stantec

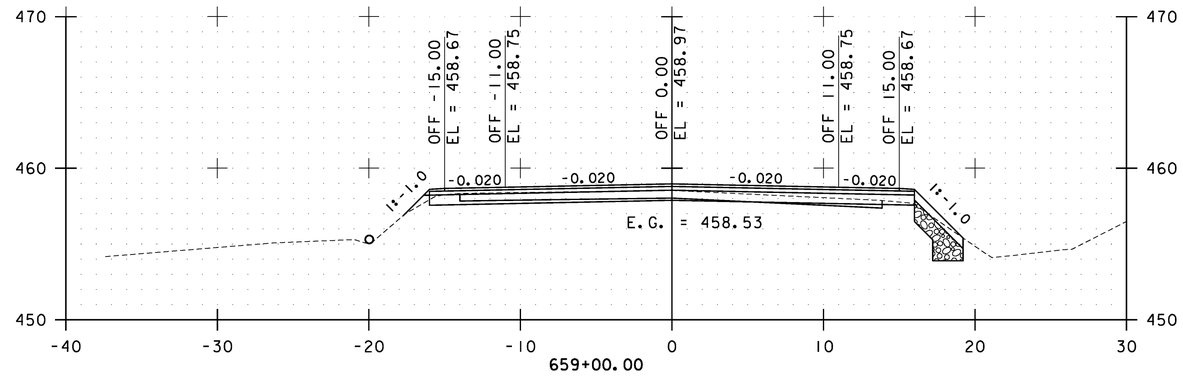
CAMBRIDGE CROSS SECTIONS SHEET #69

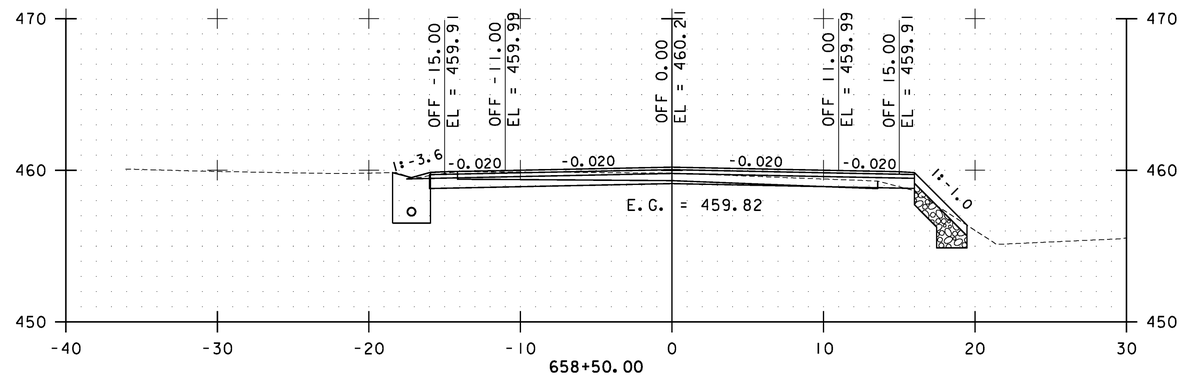
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

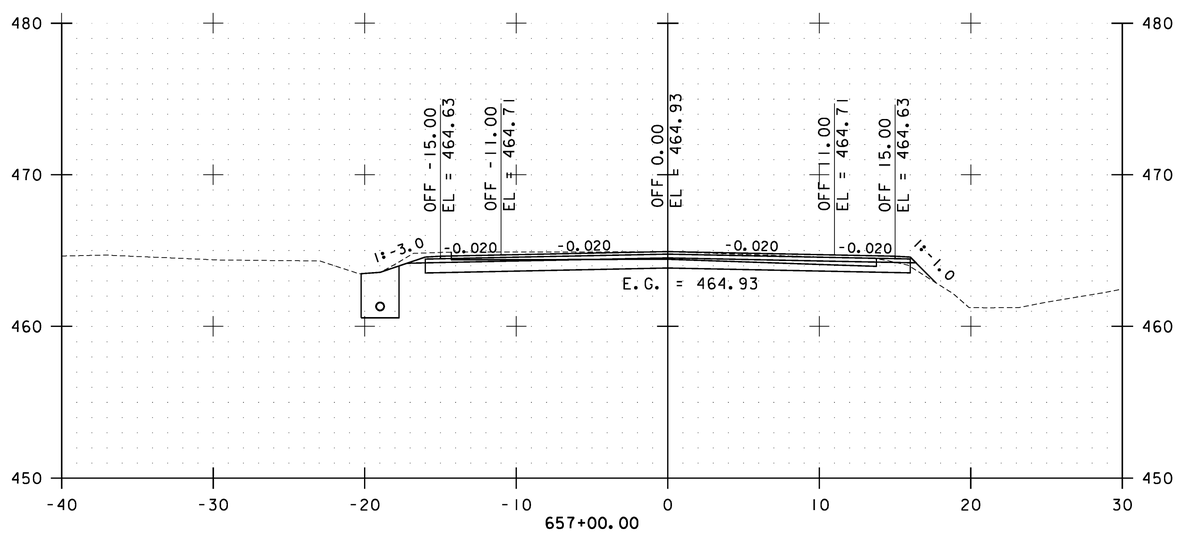
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs69.i

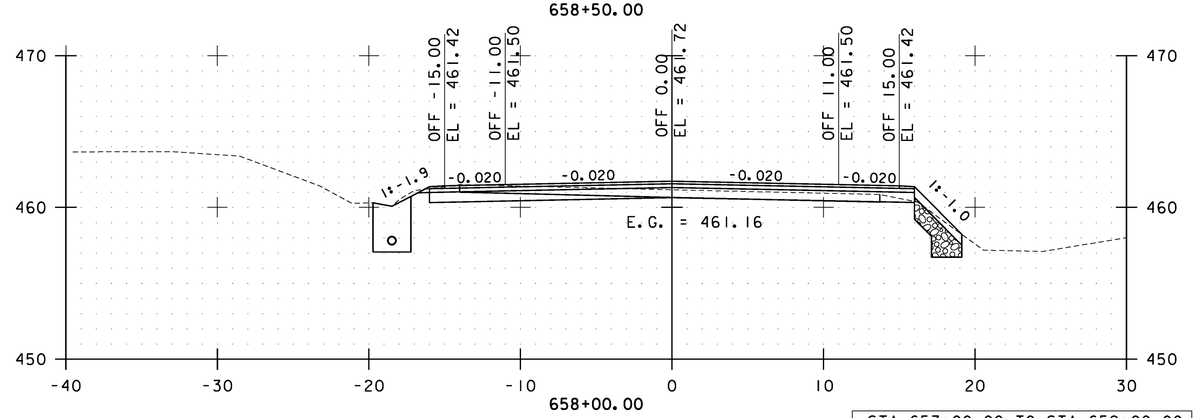
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 204 OF 387











STA. 657+00.00 TO STA. 659+00.00

0 10 20
SCALE

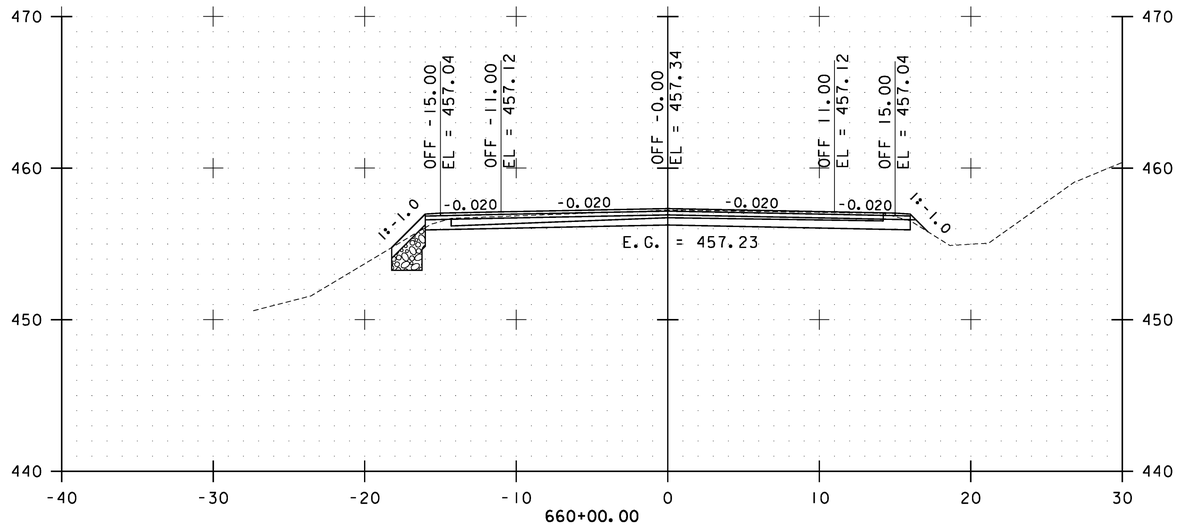
Stantec

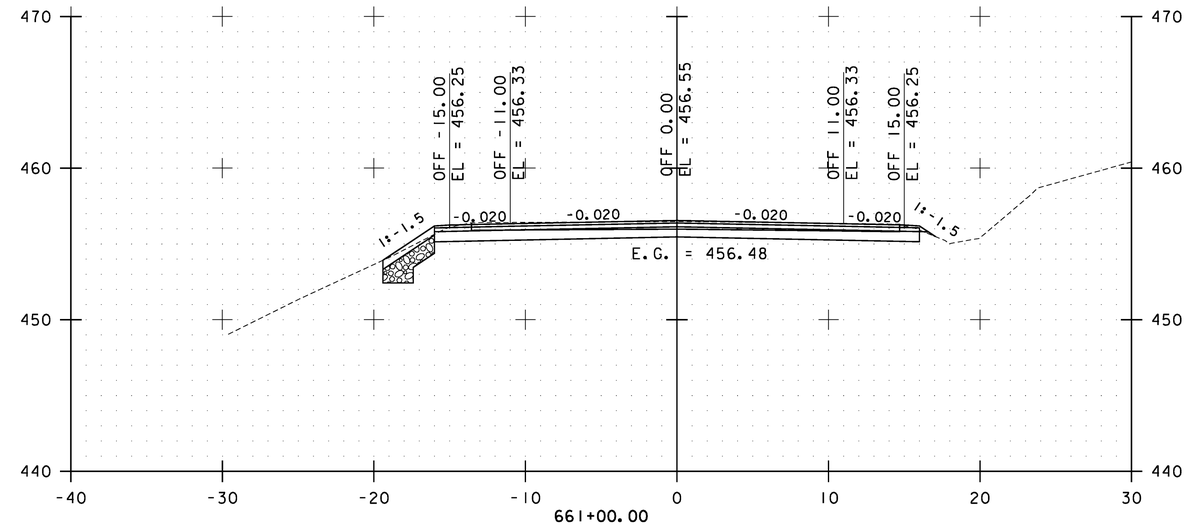
CAMBRIDGE CROSS SECTIONS SHEET #70

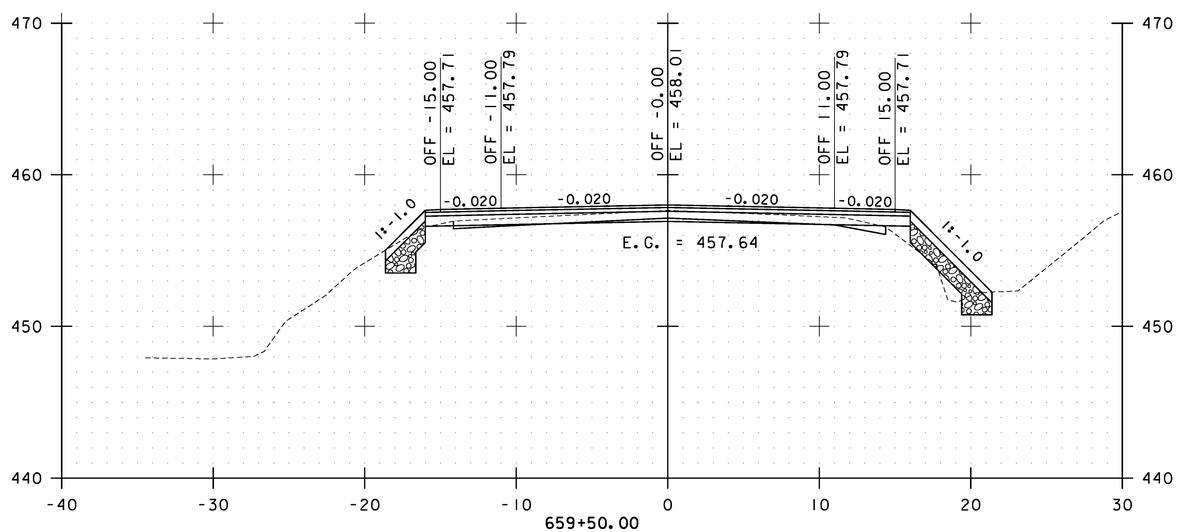
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

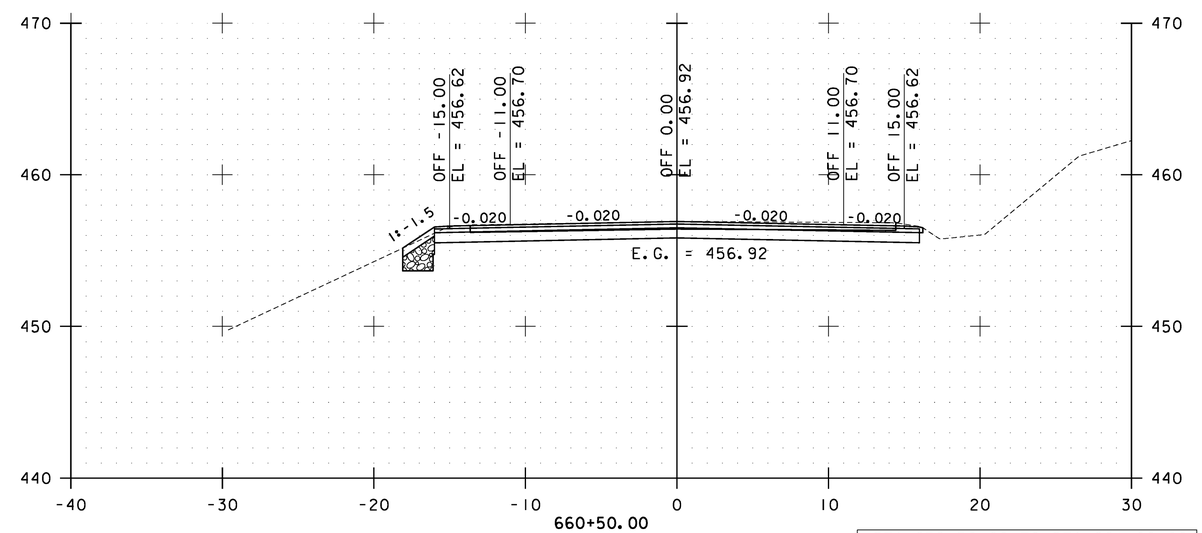
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs70.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 205 OF 387









STA. 659+50.00 TO STA. 661+00.00

0 10 20
SCALE

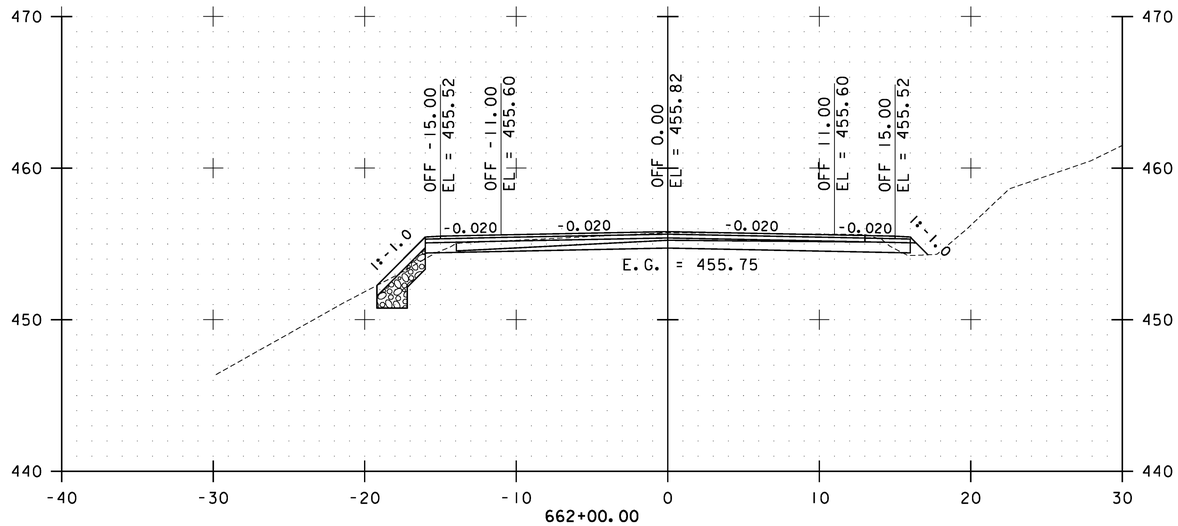
Stantec

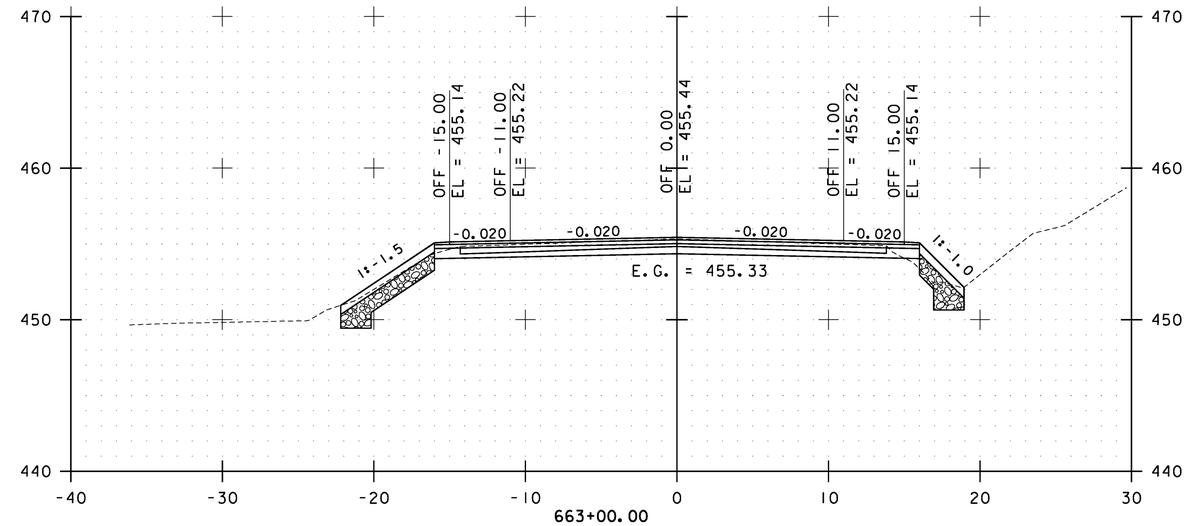
CAMBRIDGE CROSS SECTIONS SHEET #71

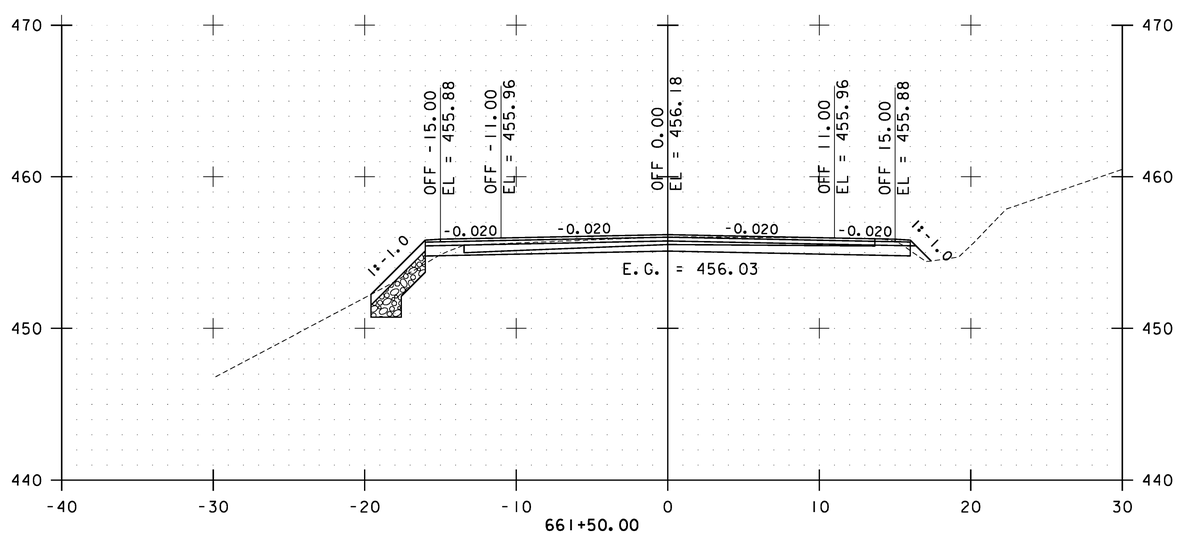
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

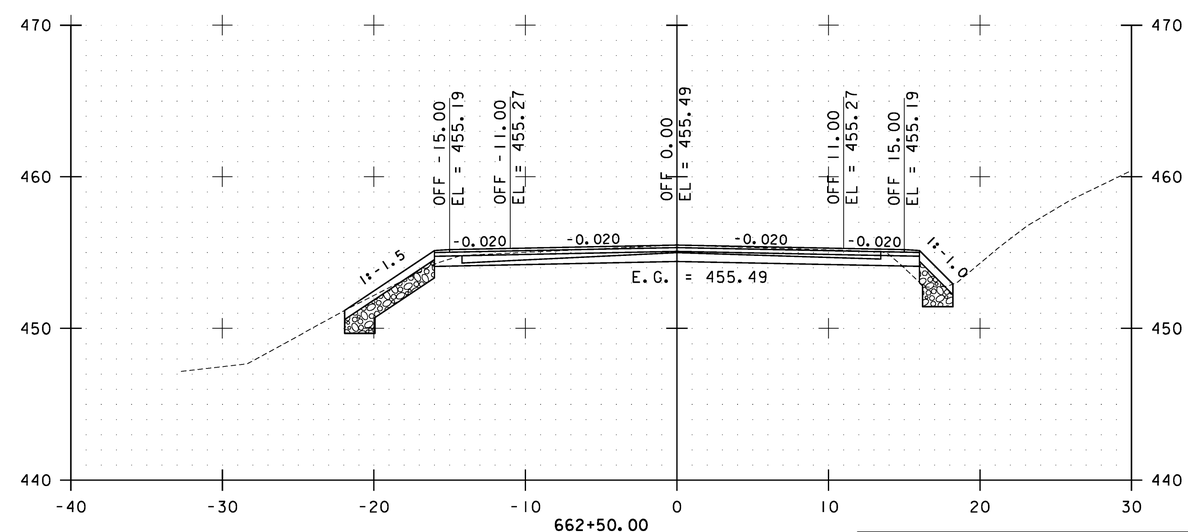
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs71.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 206 OF 387









STA. 661+50.00 TO STA. 663+00.00

0 10 20
SCALE

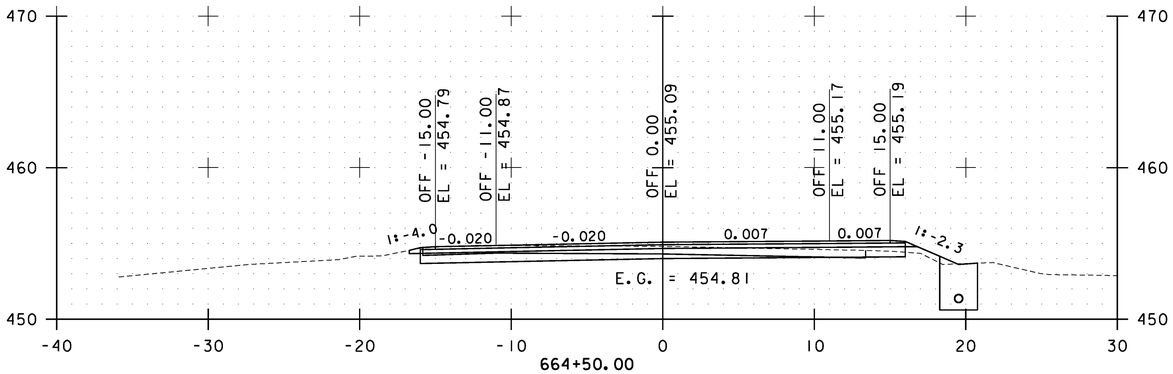
Stantec

CAMBRIDGE CROSS SECTIONS SHEET #72

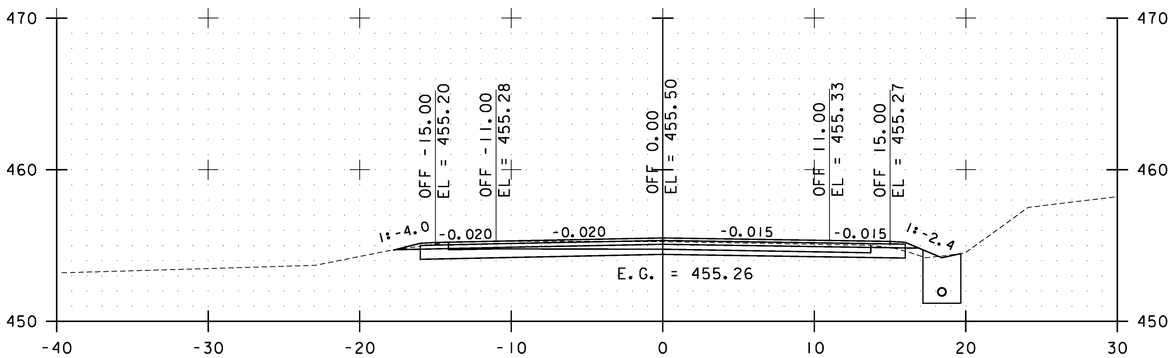
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs72.i

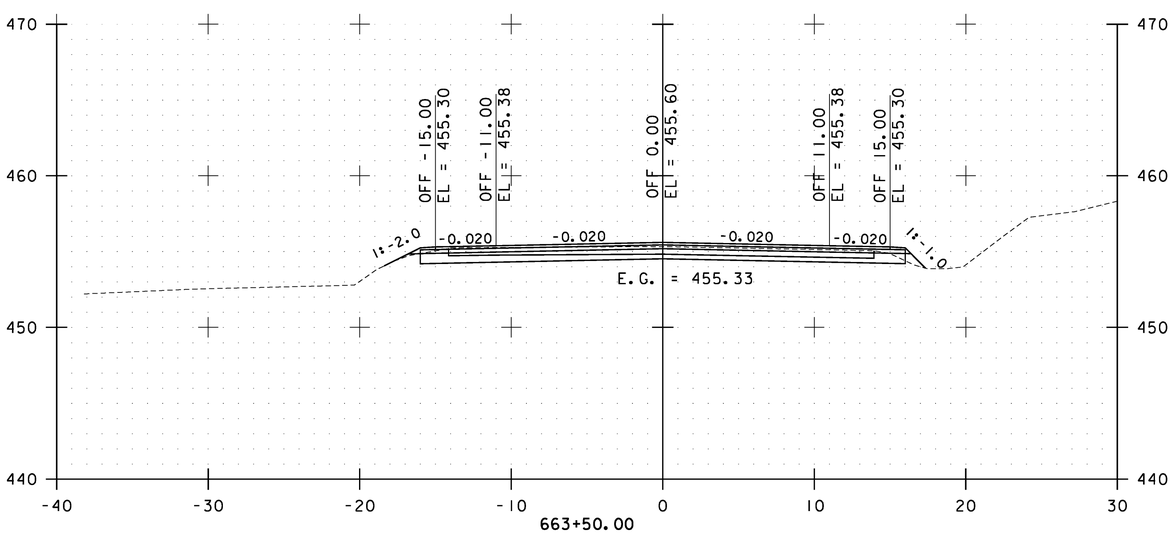
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 207 OF 387



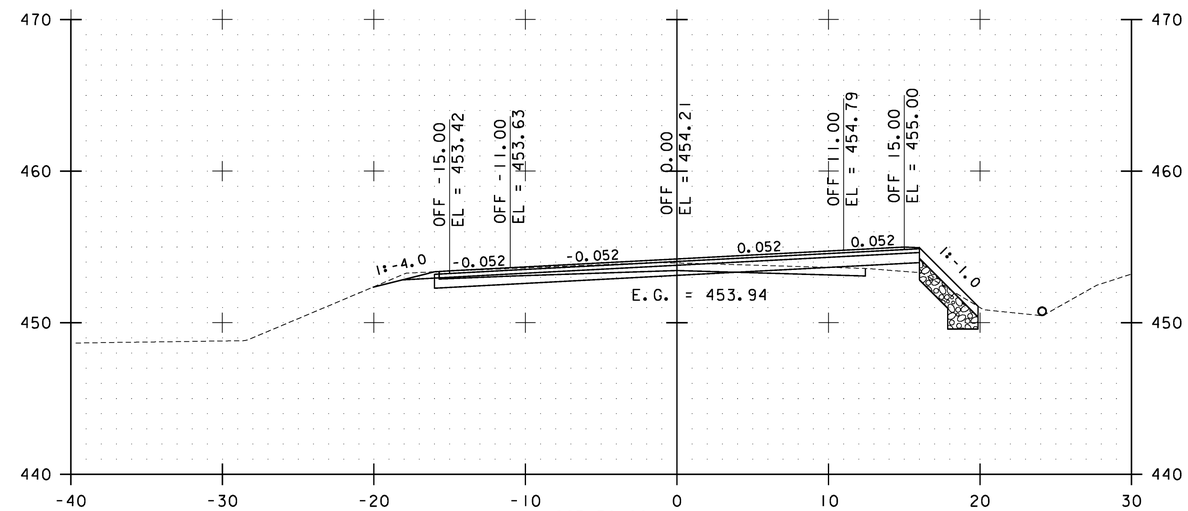
664+50.00



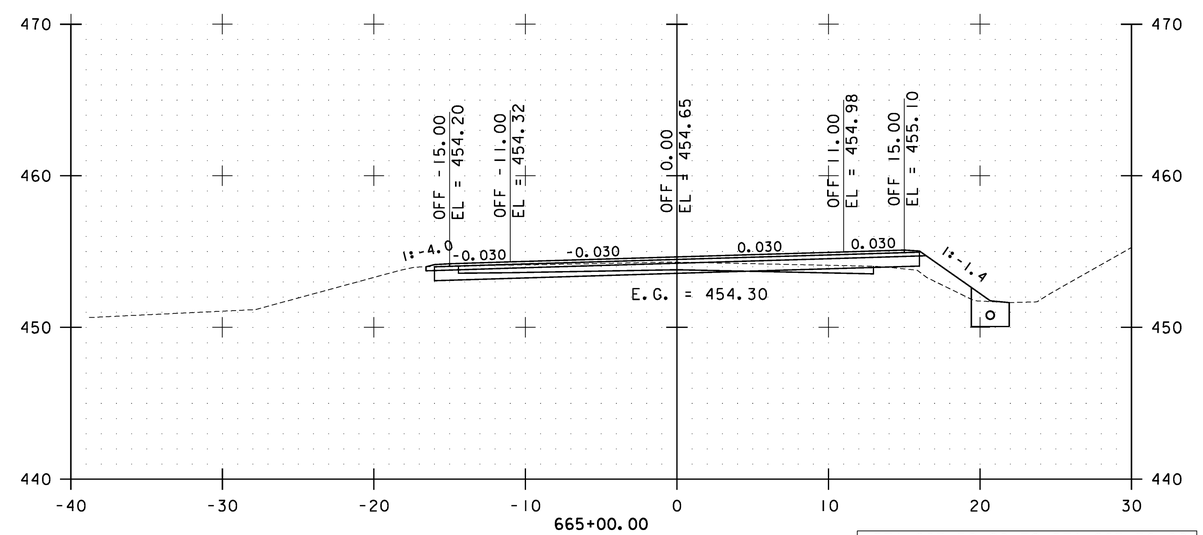
664+00.00



663+50.00



665+50.00



665+00.00

STA. 663+50.00 TO STA. 665+50.00

0 10 20
SCALE

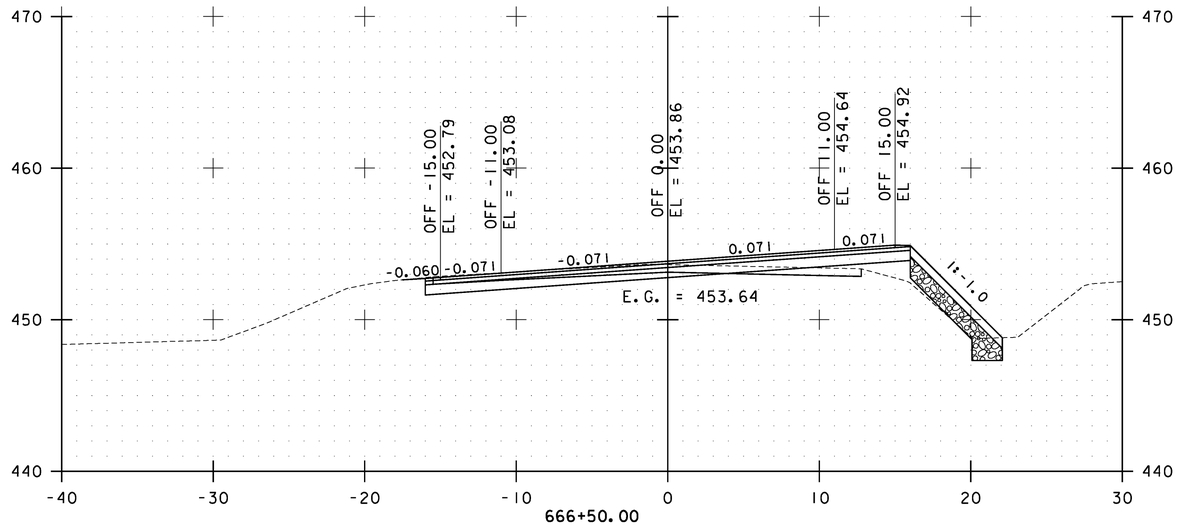
Stantec

CAMBRIDGE CROSS SECTIONS SHEET #73

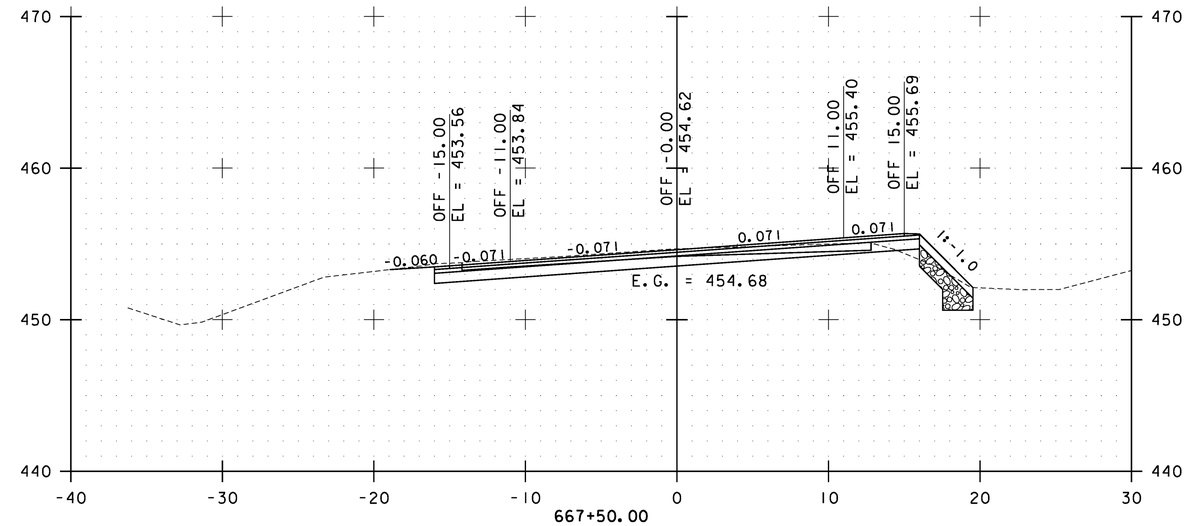
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs73.i

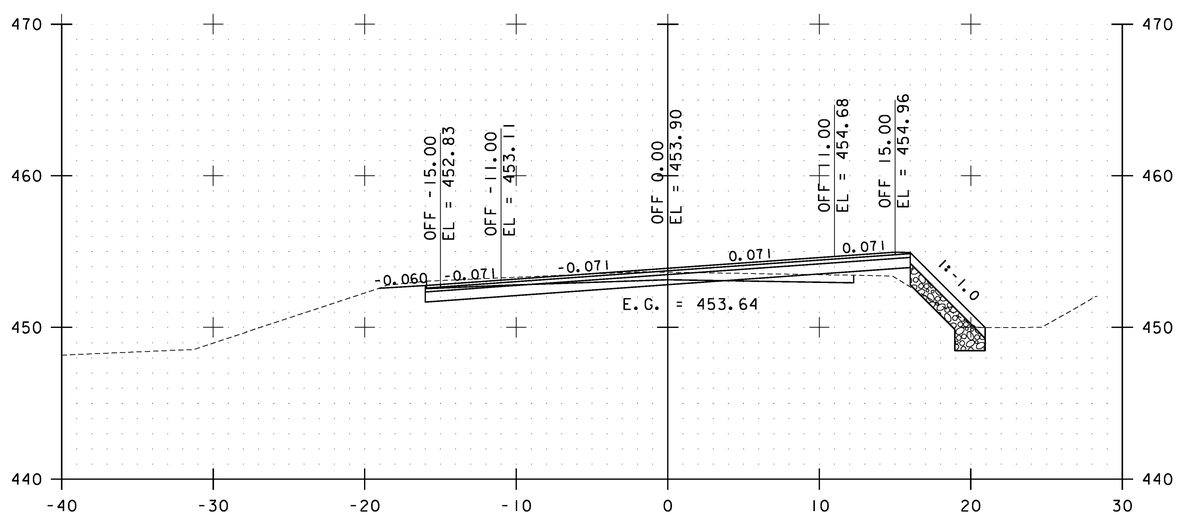
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 208 OF 387



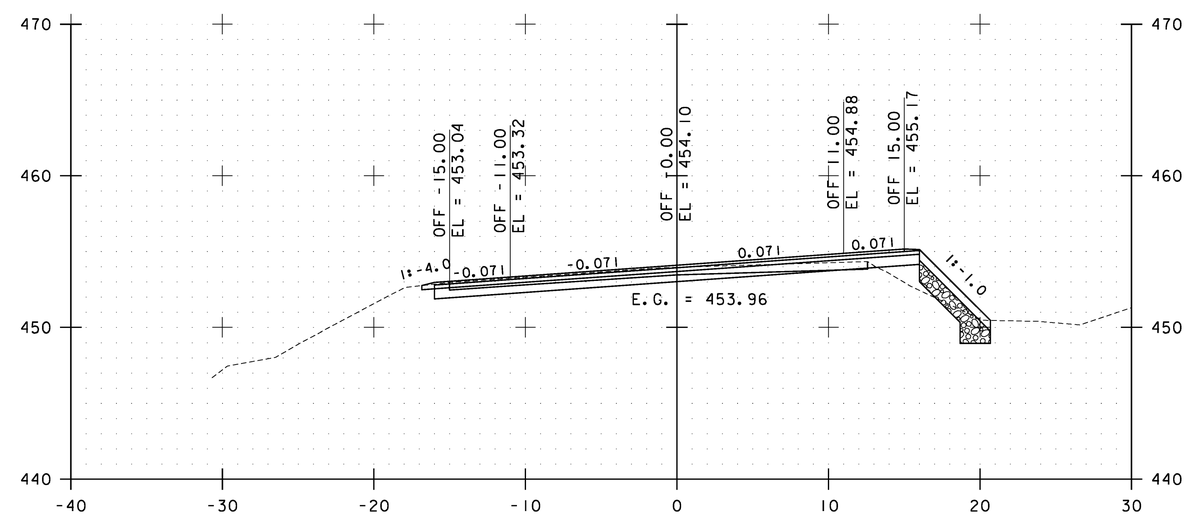
666+50.00



667+50.00



666+00.00



667+00.00

STA. 666+00.00 TO STA. 667+50.00

0 10 20
SCALE

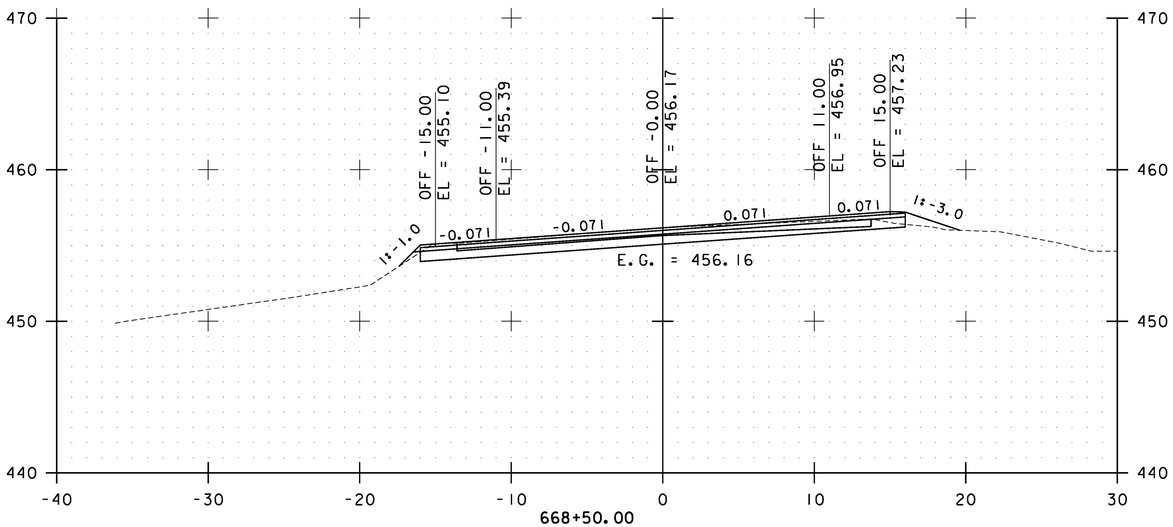
Stantec

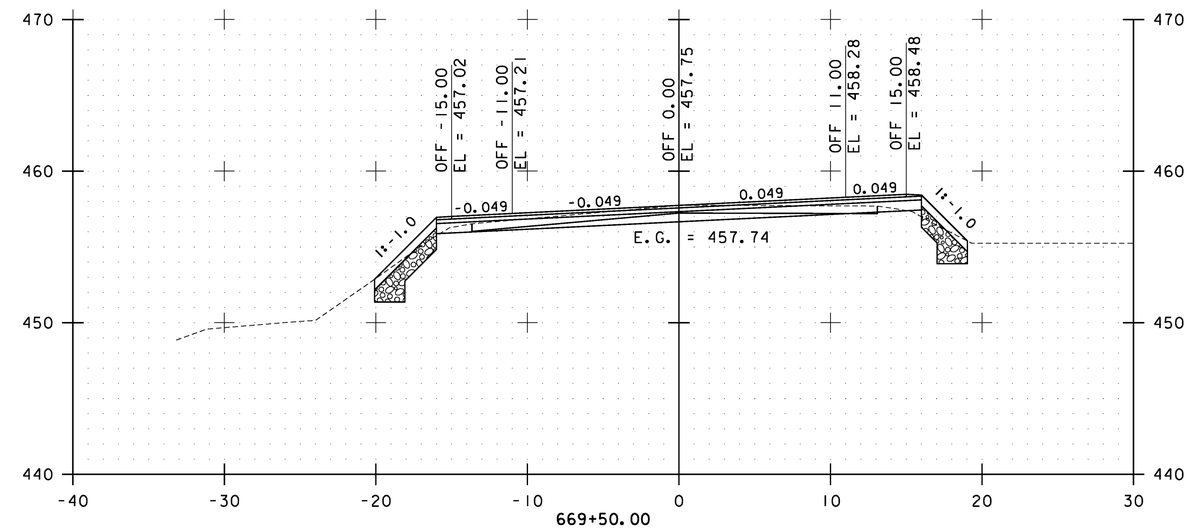
CAMBRIDGE CROSS SECTIONS SHEET #74

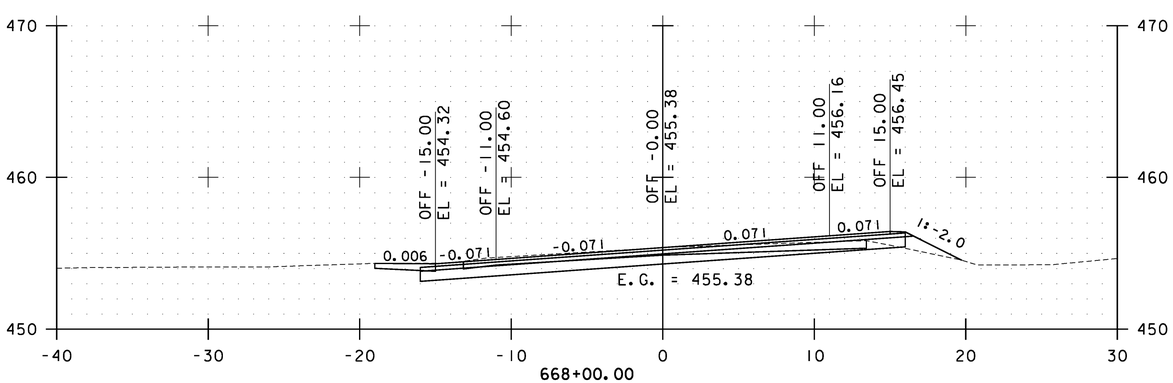
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

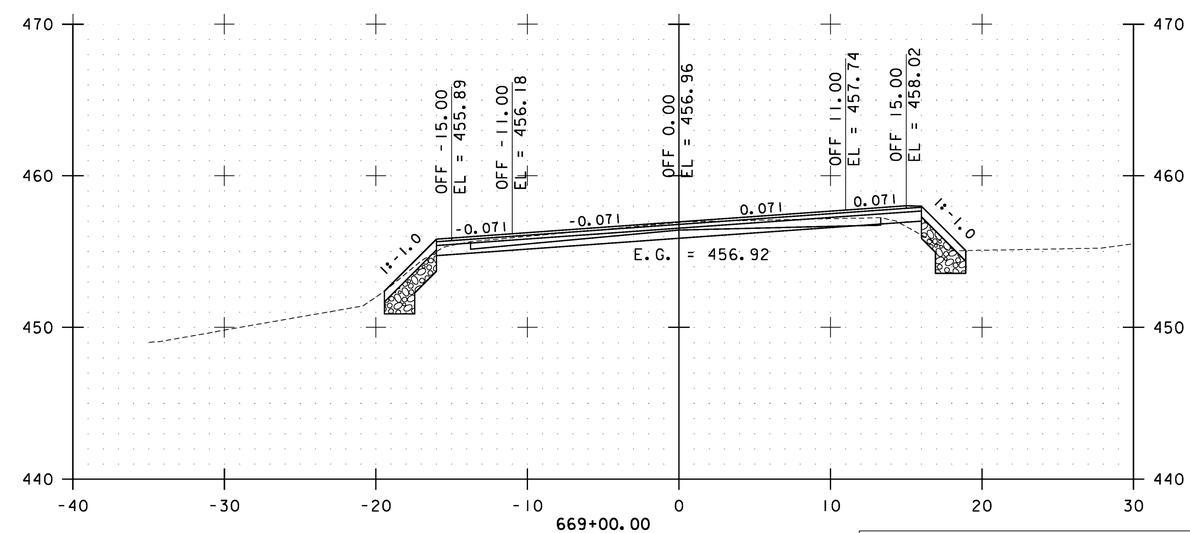
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs74.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 209 OF 387









STA. 668+00.00 TO STA. 669+50.00

0 10 20
SCALE

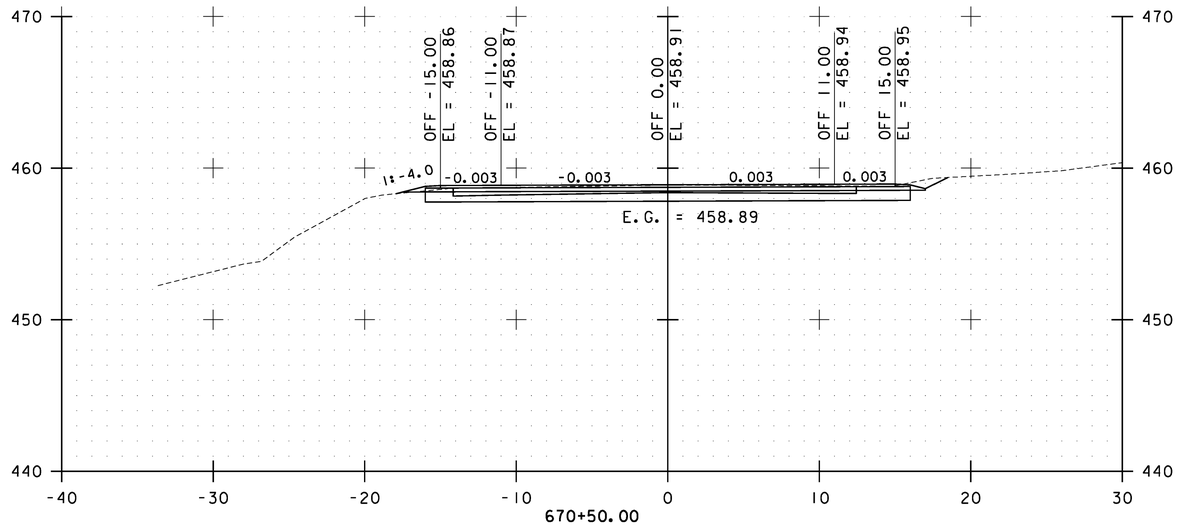
Stantec

CAMBRIDGE CROSS SECTIONS SHEET #75

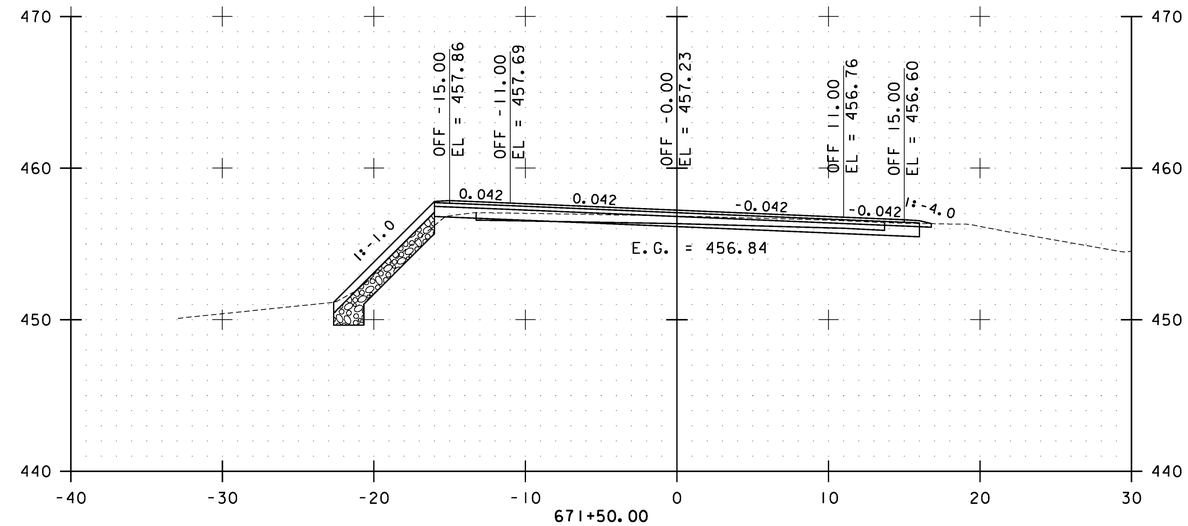
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs75.i

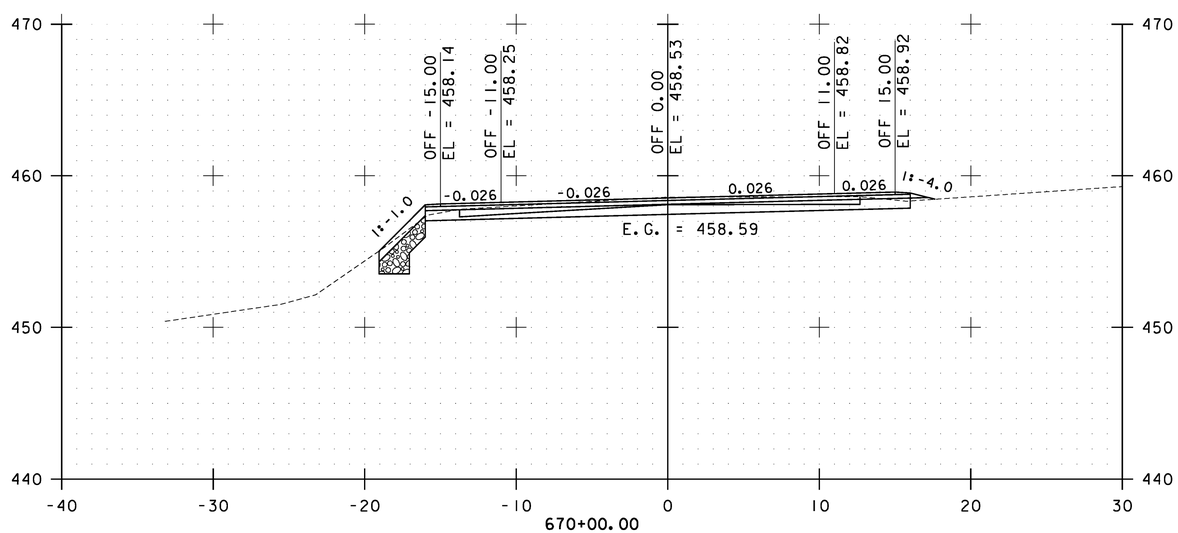
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 210 OF 387



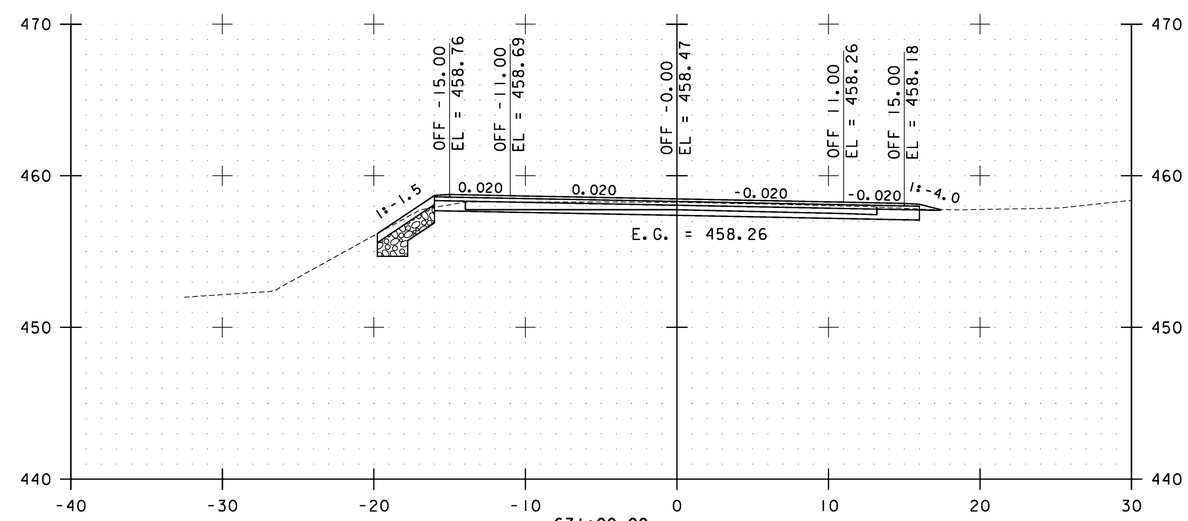
670+50.00



671+50.00



670+00.00



671+00.00

STA. 670+00.00 TO STA. 671+50.00

0 10 20
SCALE

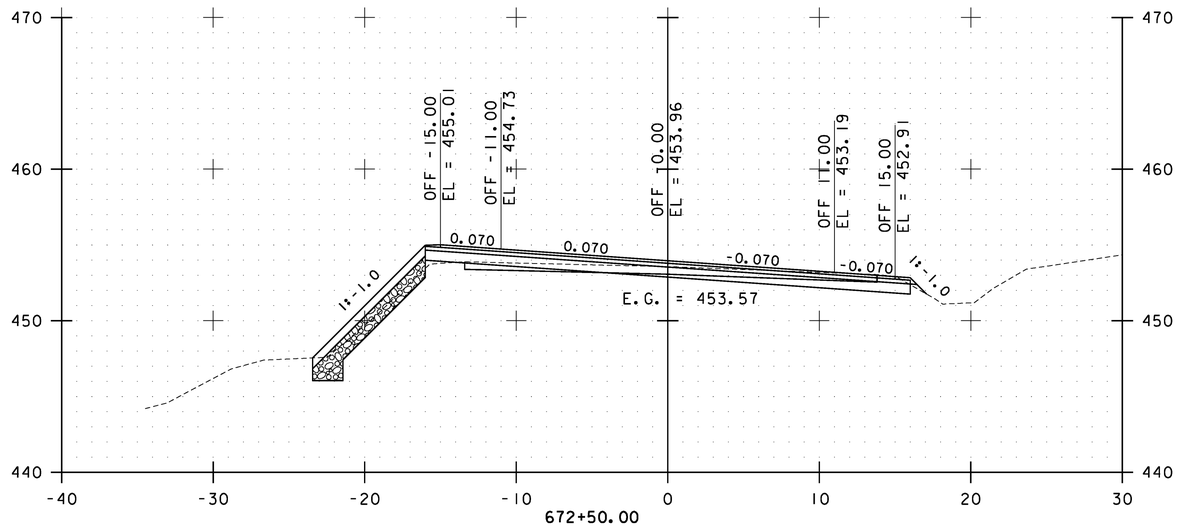
Stantec

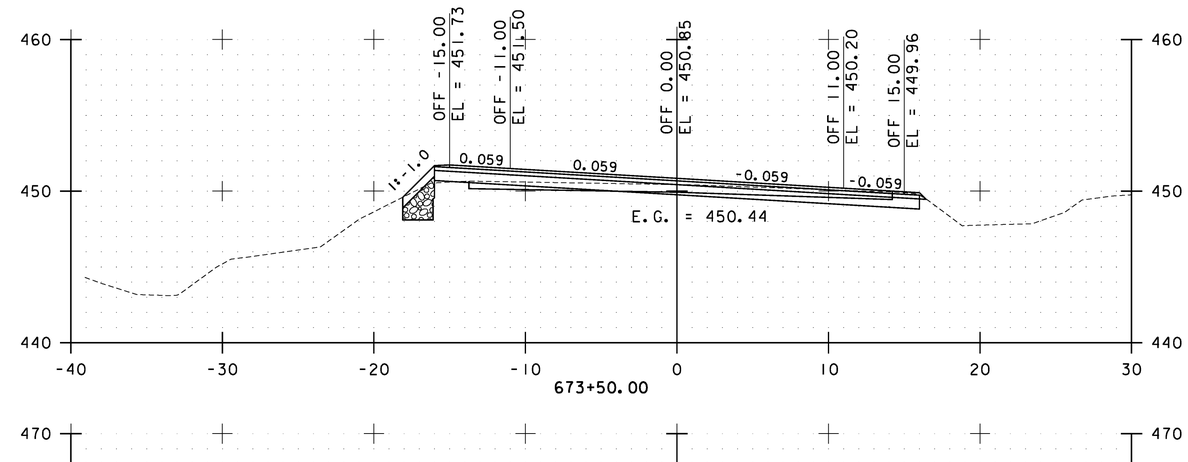
CAMBRIDGE CROSS SECTIONS SHEET #76

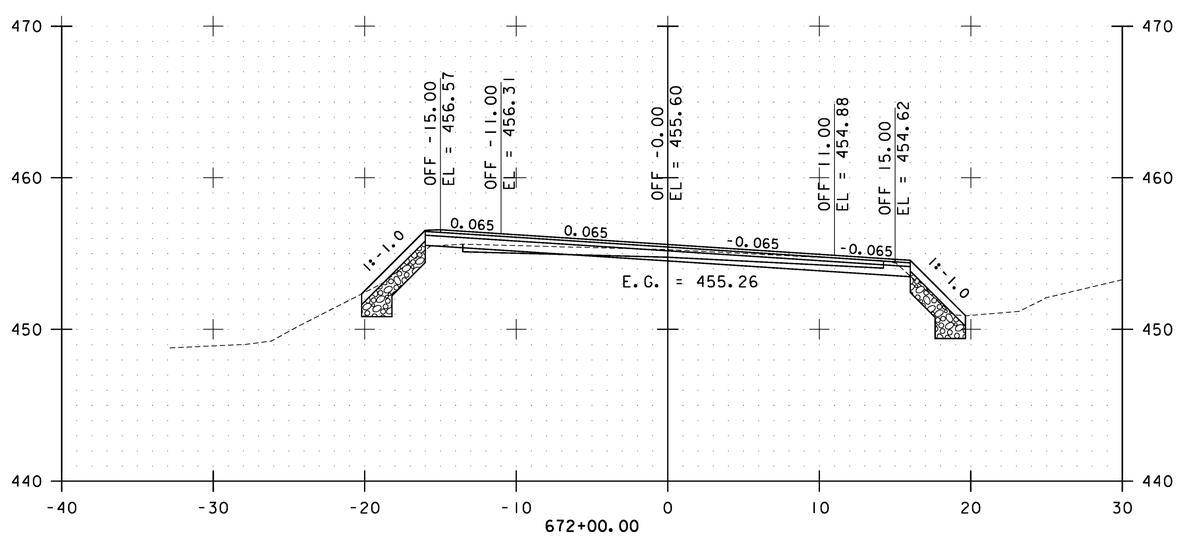
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

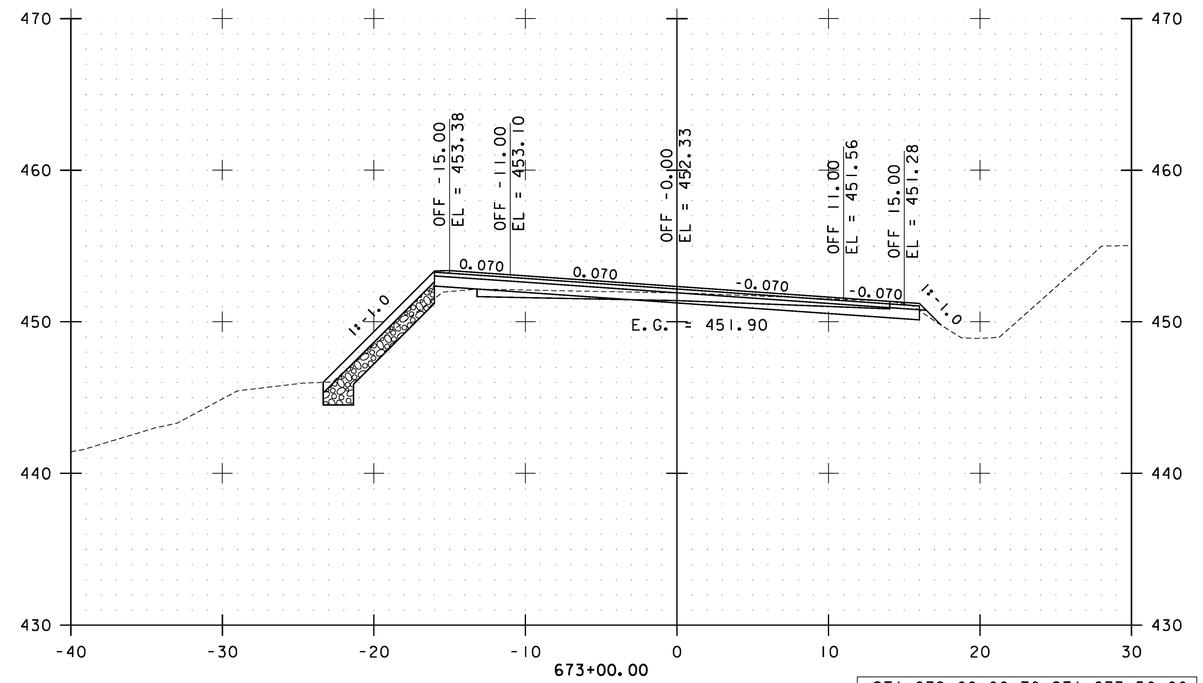
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs76.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 211 OF 387









STA. 672+00.00 TO STA. 673+50.00

0 10 20
SCALE

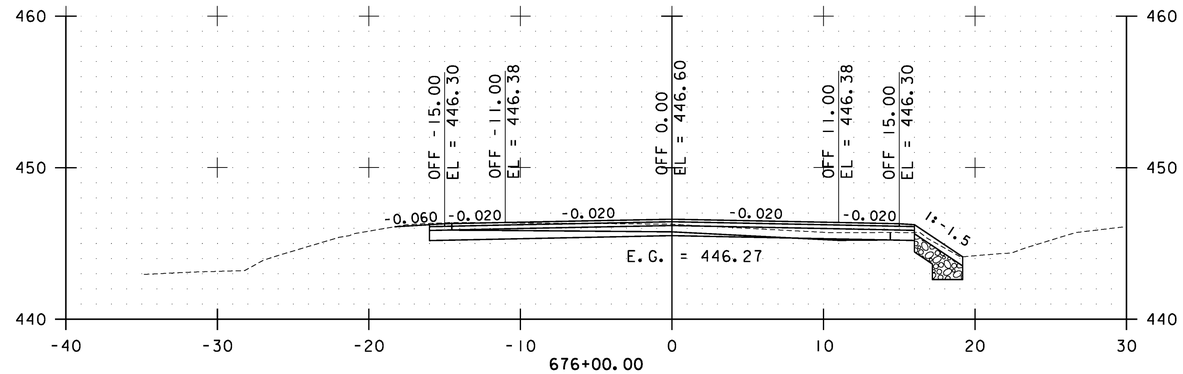
Stantec

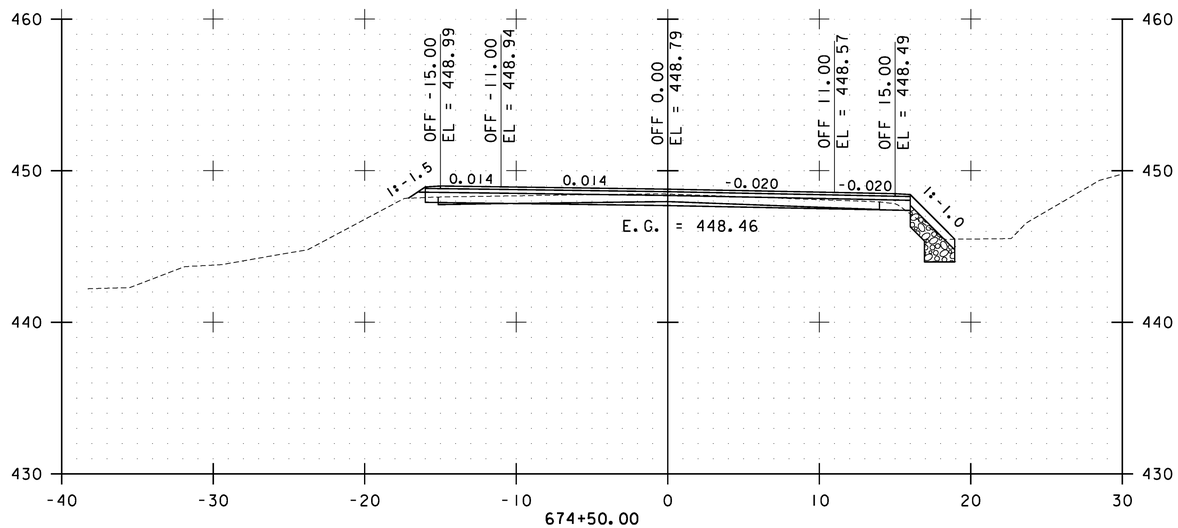
CAMBRIDGE CROSS SECTIONS SHEET #77

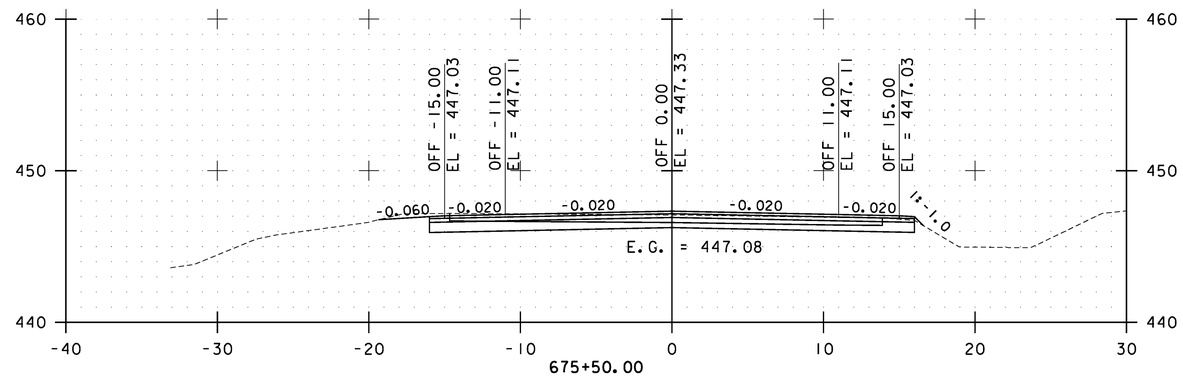
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

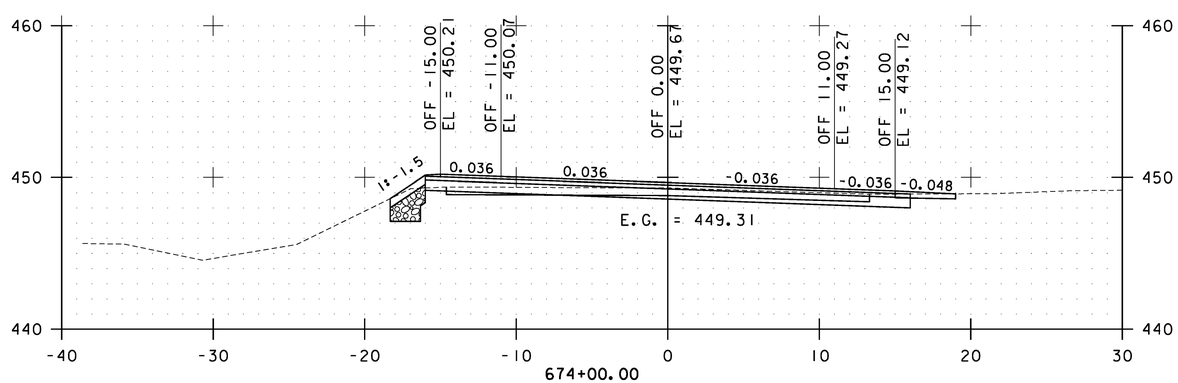
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs77.i

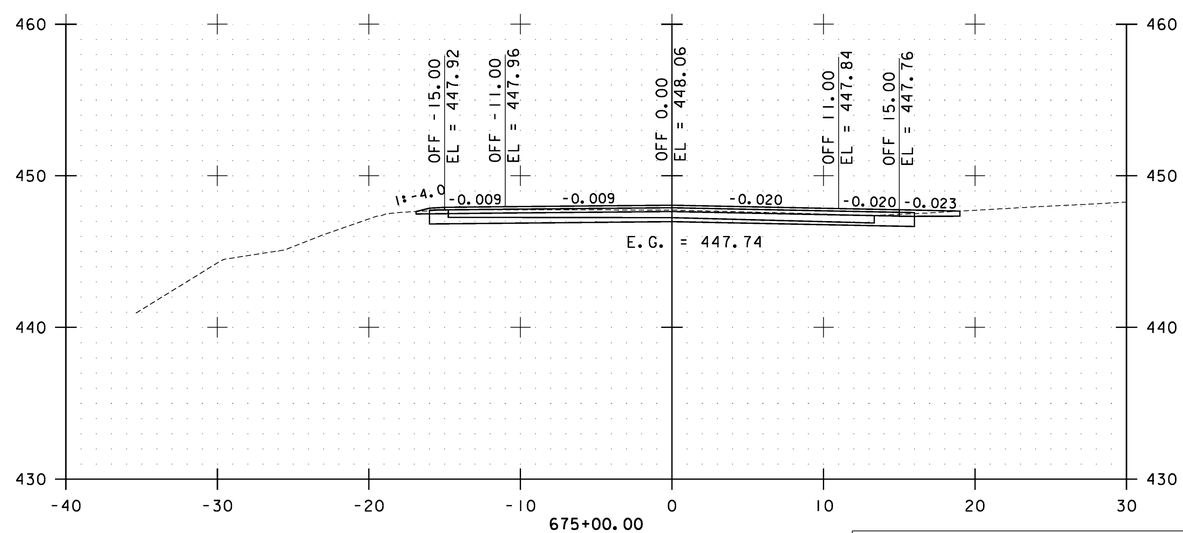
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 212 OF 387











STA. 674+00.00 TO STA. 676+00.00

0 10 20
SCALE

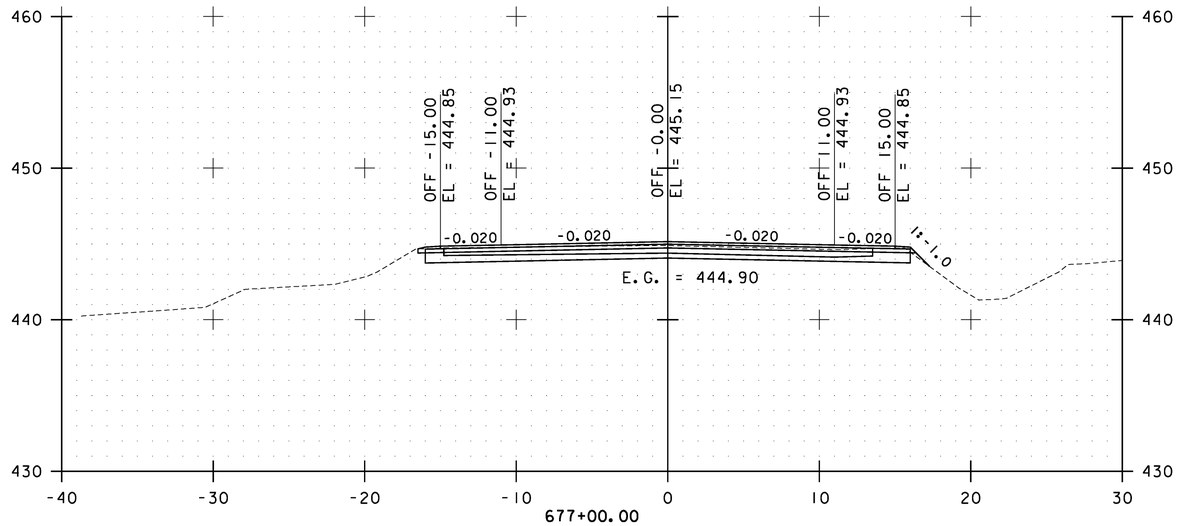
Stantec

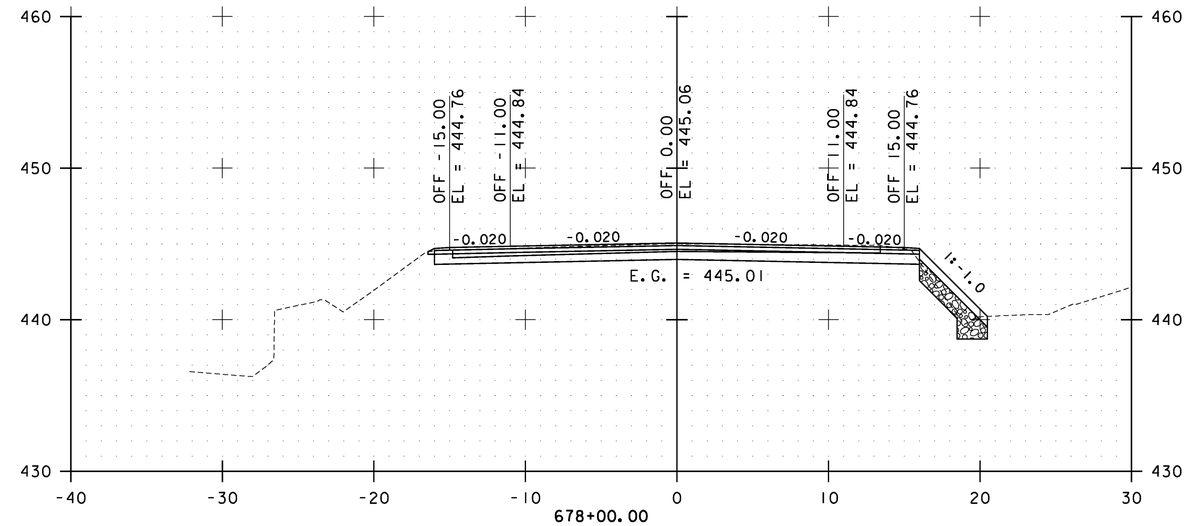
CAMBRIDGE CROSS SECTIONS SHEET #78

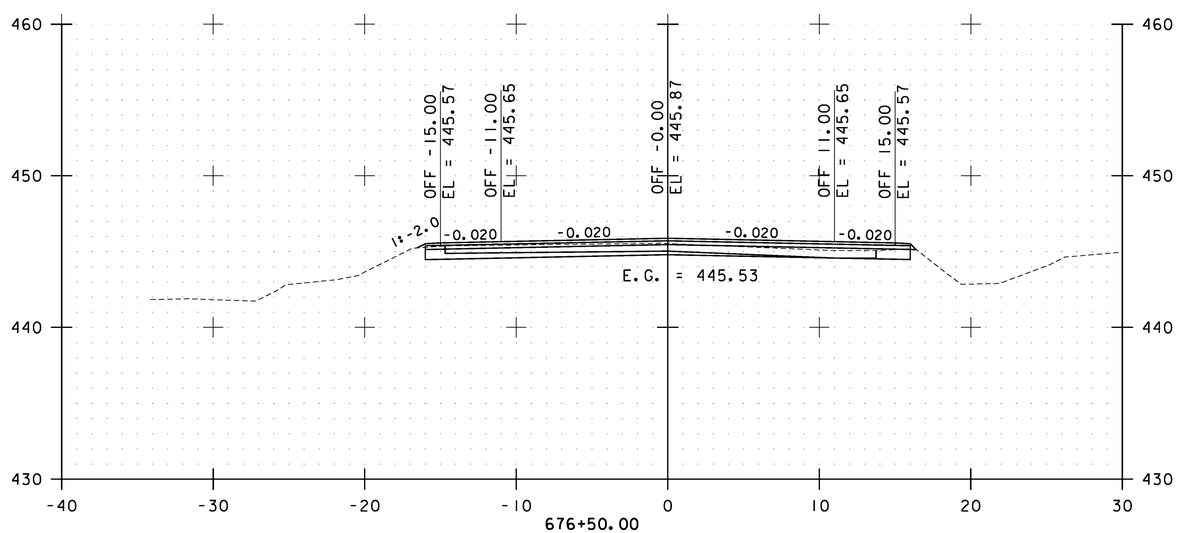
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

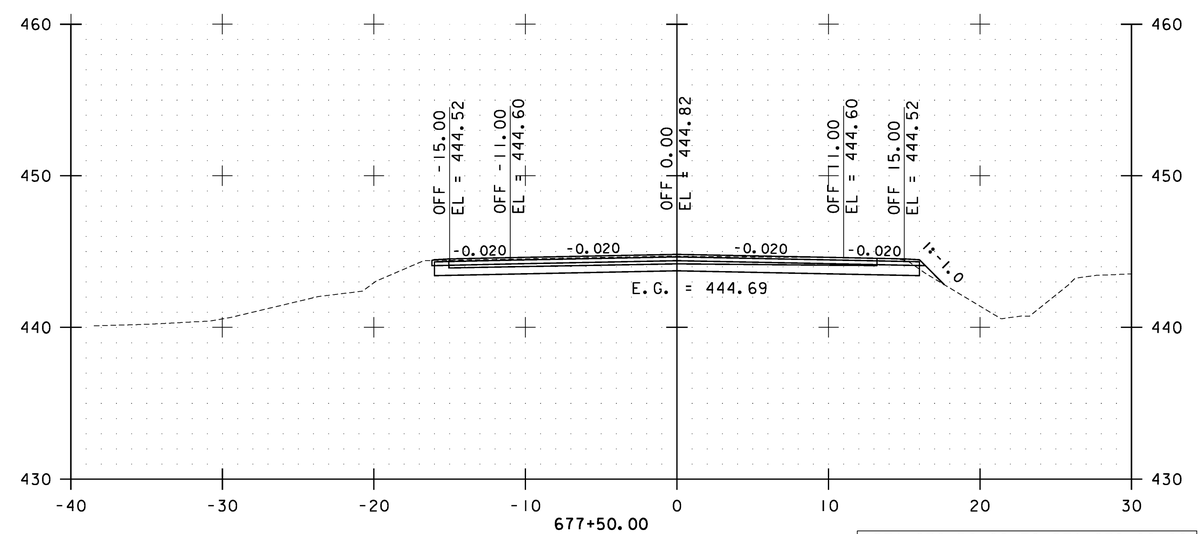
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs78.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 213 OF 387









STA. 676+50.00 TO STA. 678+00.00

0 10 20
SCALE

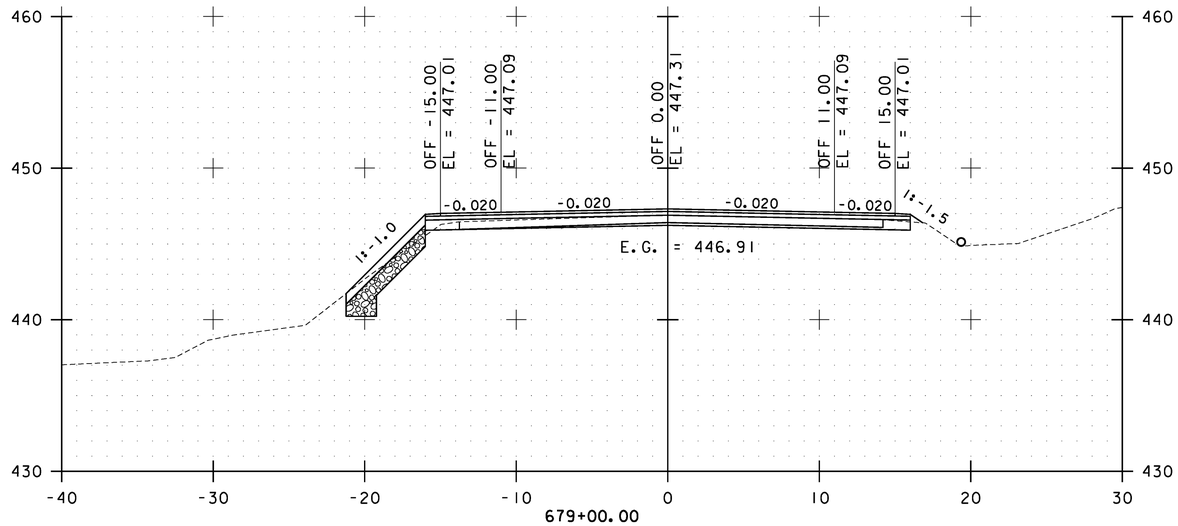
Stantec

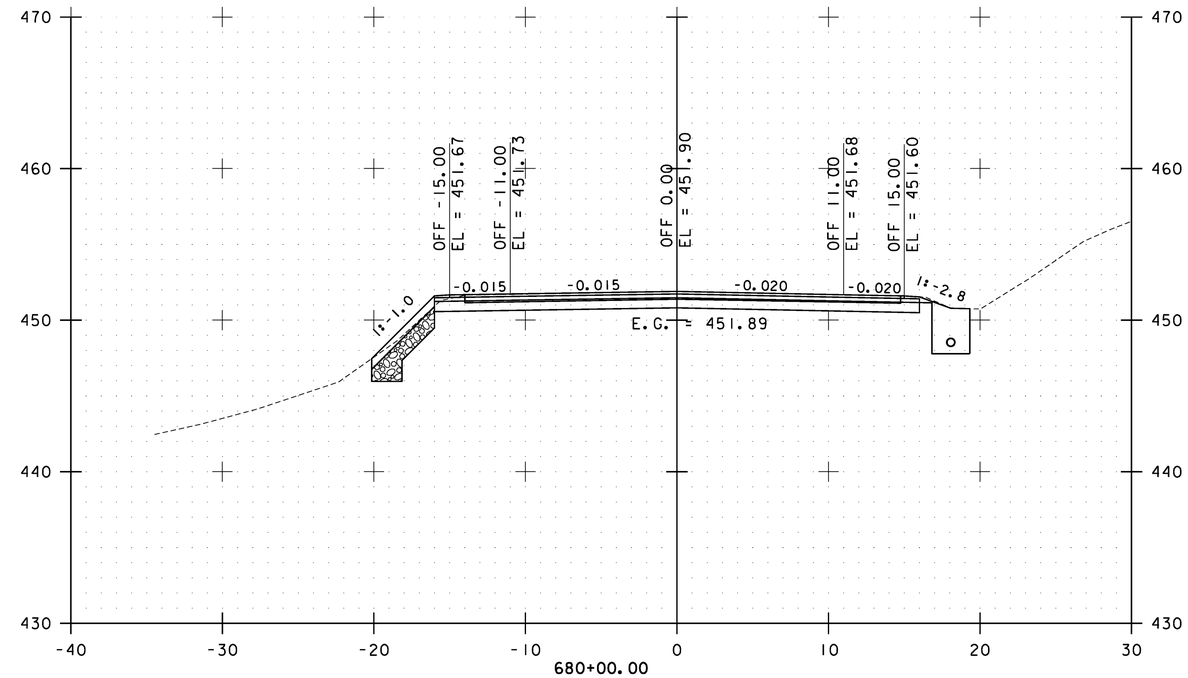
CAMBRIDGE CROSS SECTIONS SHEET #79

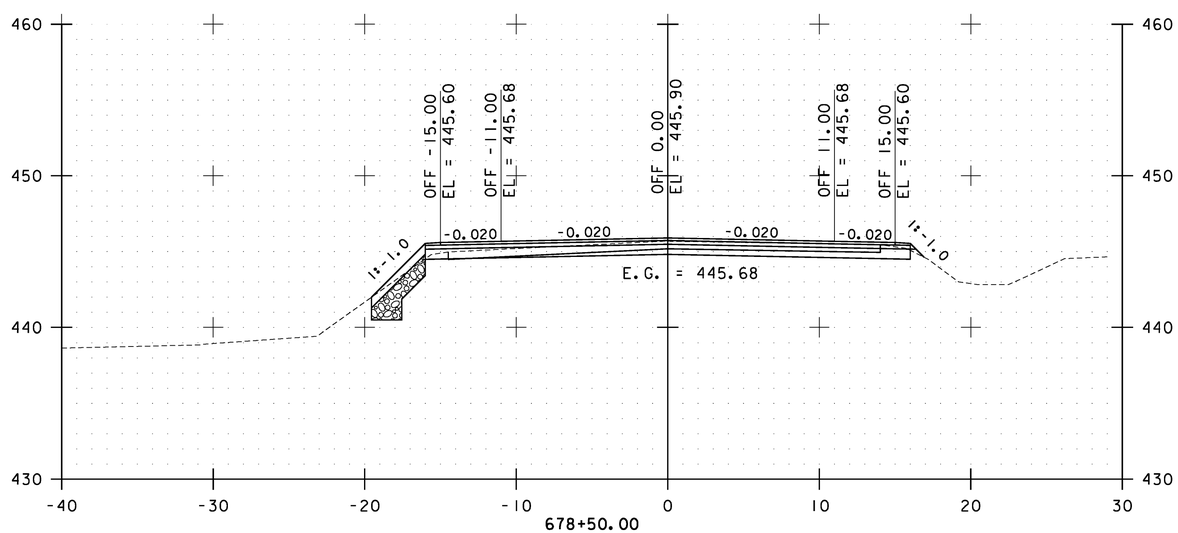
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

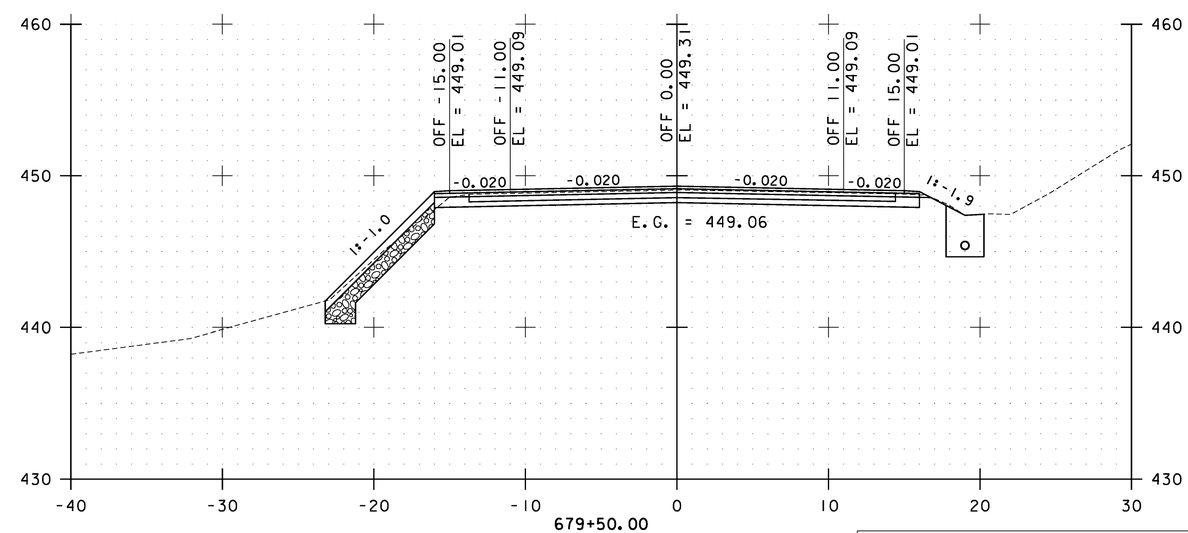
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs79.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 214 OF 387









STA. 678+50.00 TO STA. 680+00.00

0 10 20
SCALE

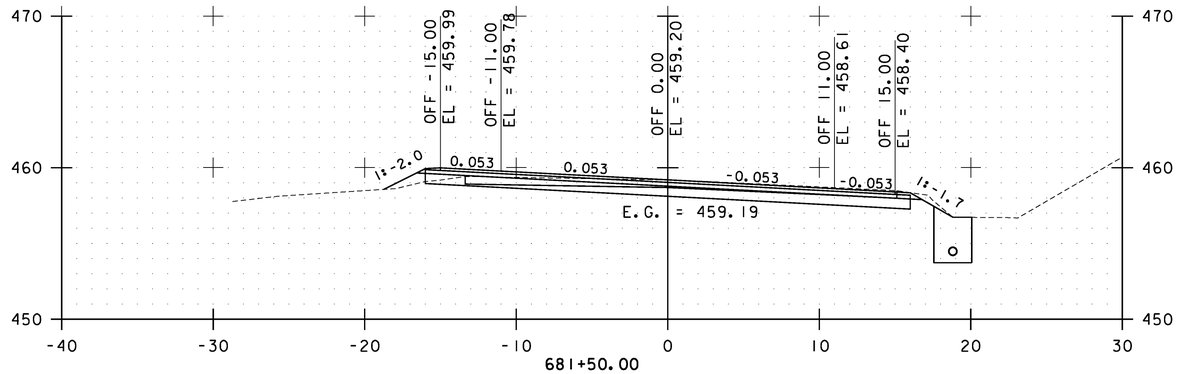
Stantec

CAMBRIDGE CROSS SECTIONS SHEET #80

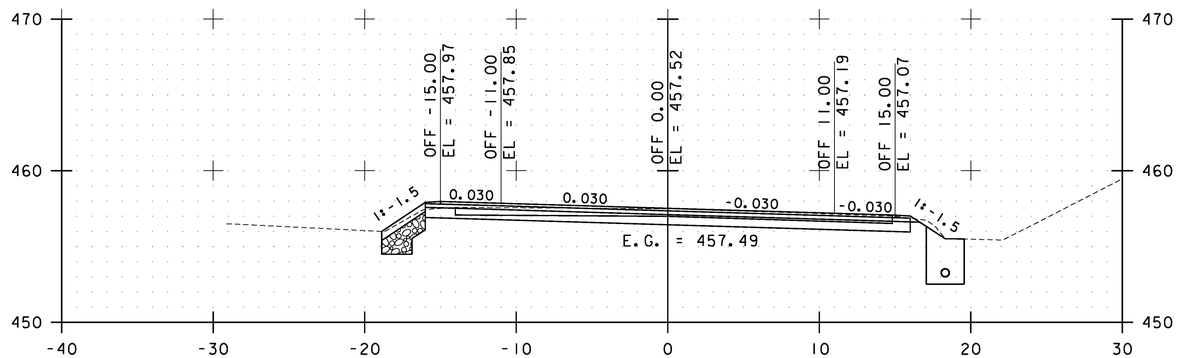
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs80.i

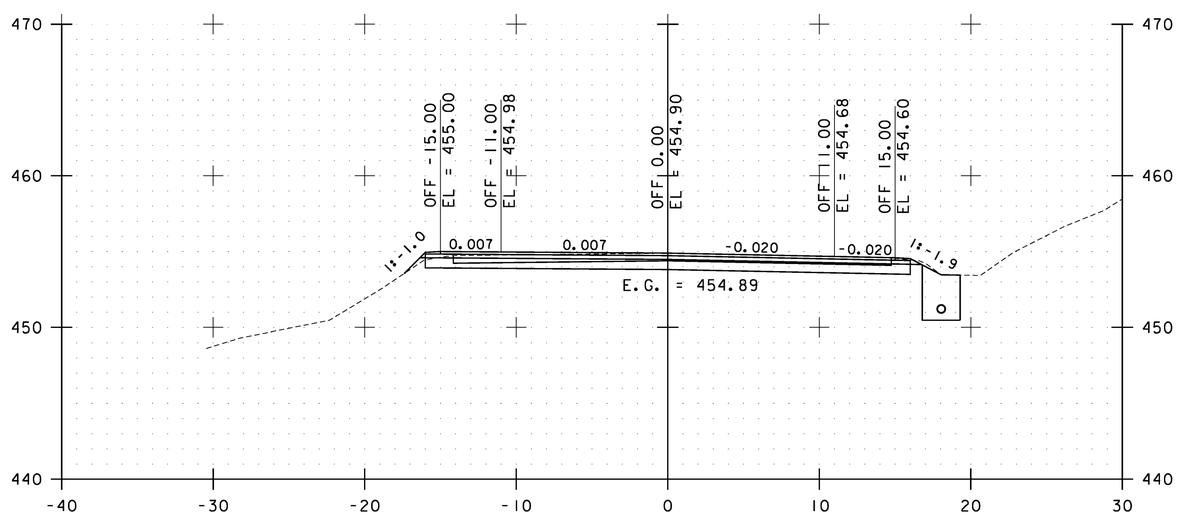
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 215 OF 387



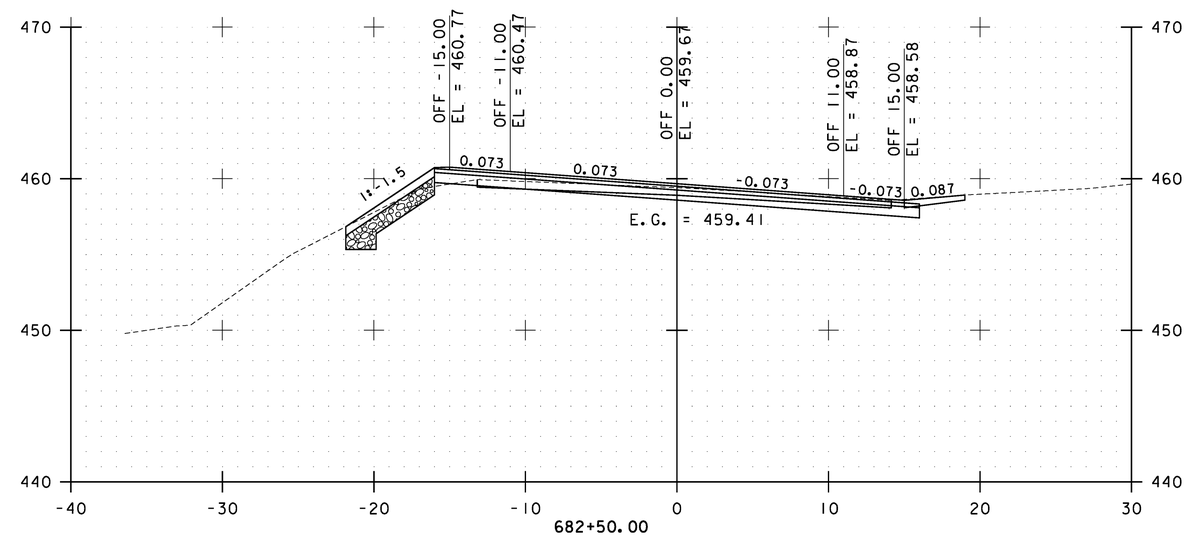
681+50.00



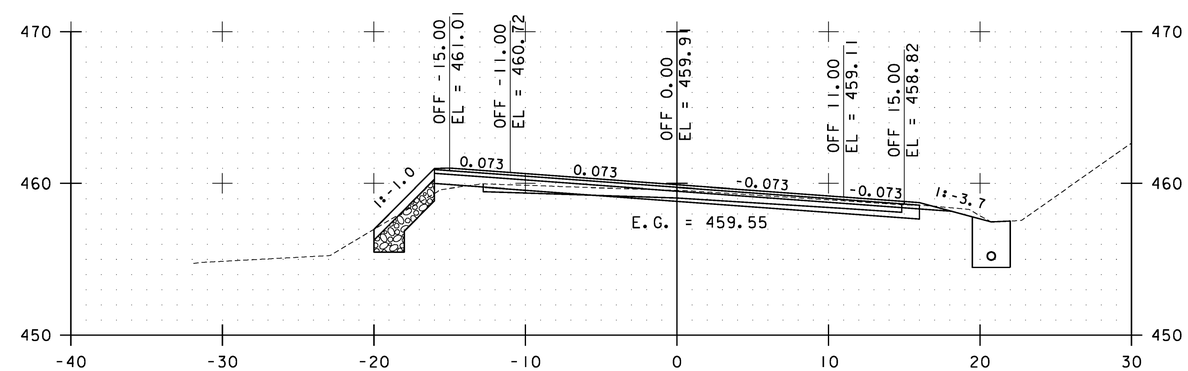
681+00.00



680+50.00



682+50.00



682+00.00

STA. 680+50.00 TO STA. 682+50.00

0 10 20
SCALE

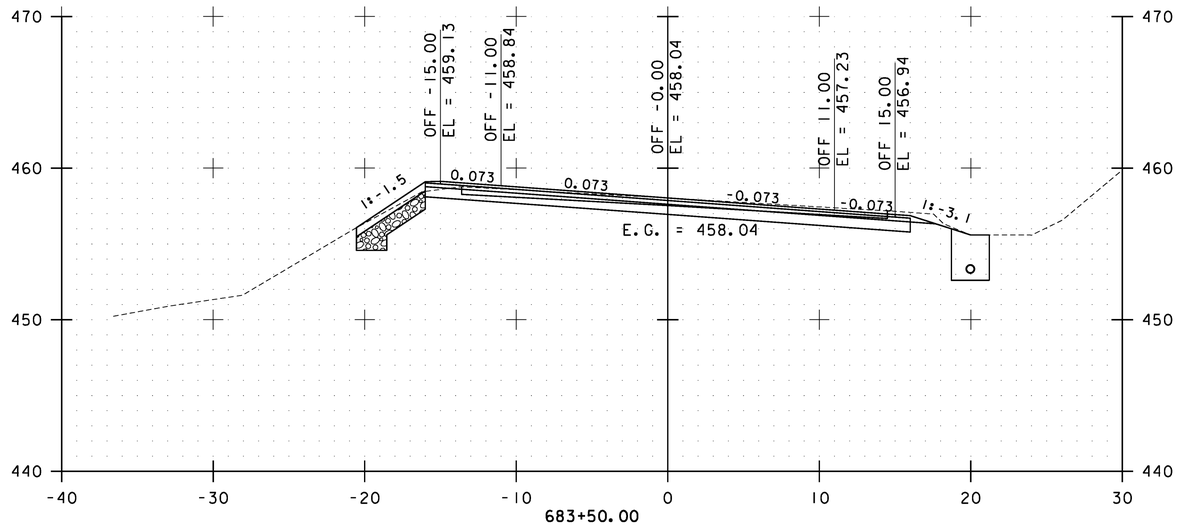
Stantec

CAMBRIDGE CROSS SECTIONS SHEET #81

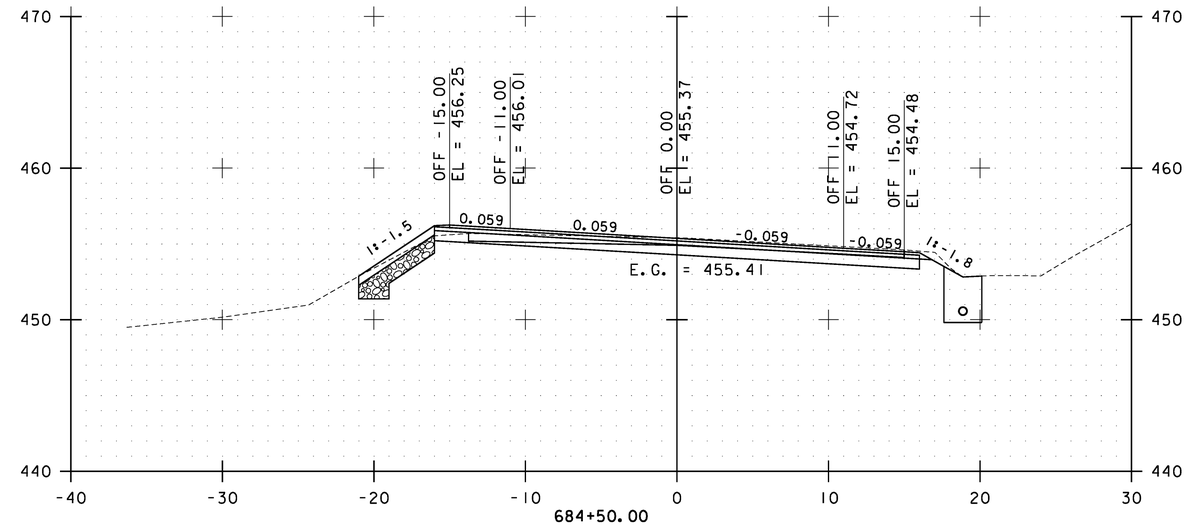
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs81.i

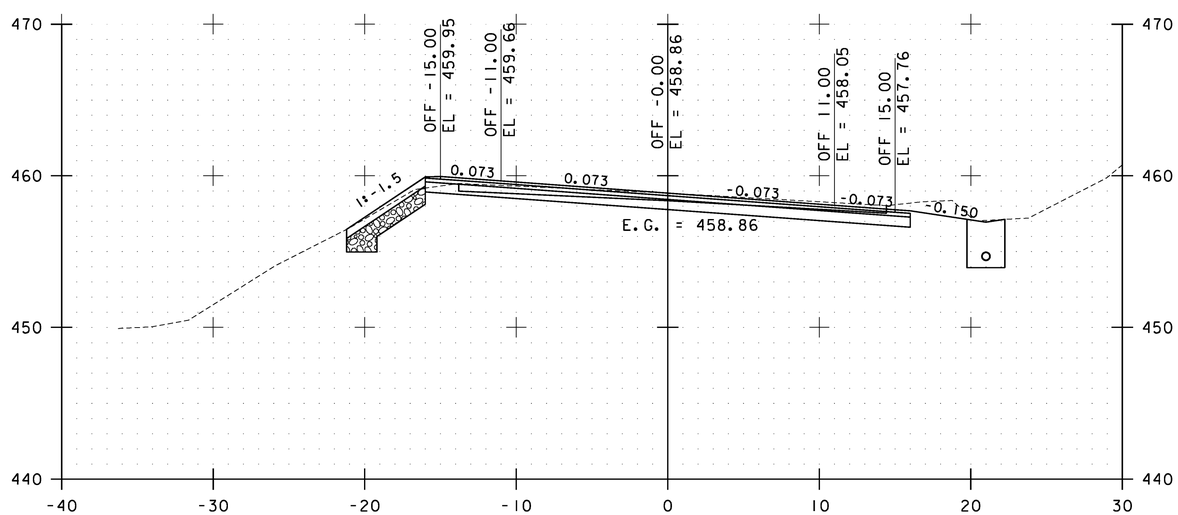
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 216 OF 387



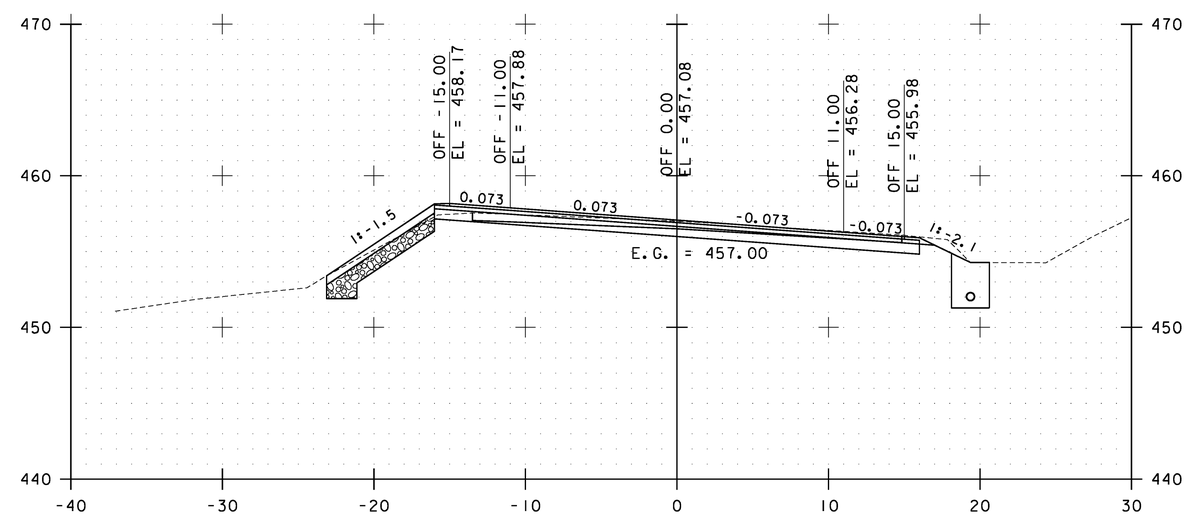
683+50.00



684+50.00



683+00.00



684+00.00

STA. 683+00.00 TO STA. 684+50.00

0 10 20
SCALE

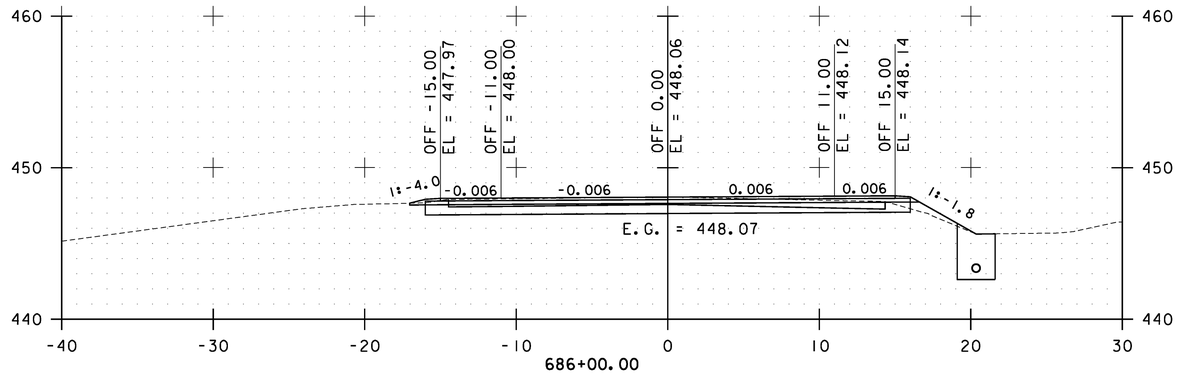
Stantec

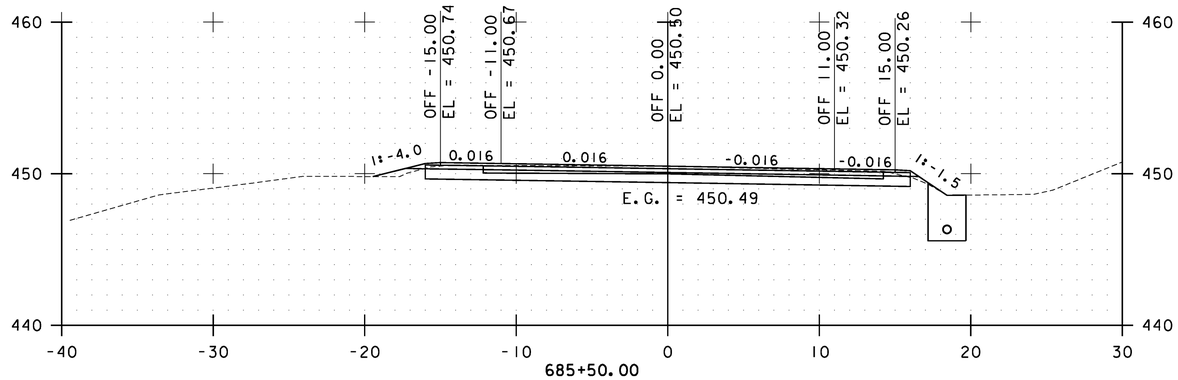
CAMBRIDGE CROSS SECTIONS SHEET #82

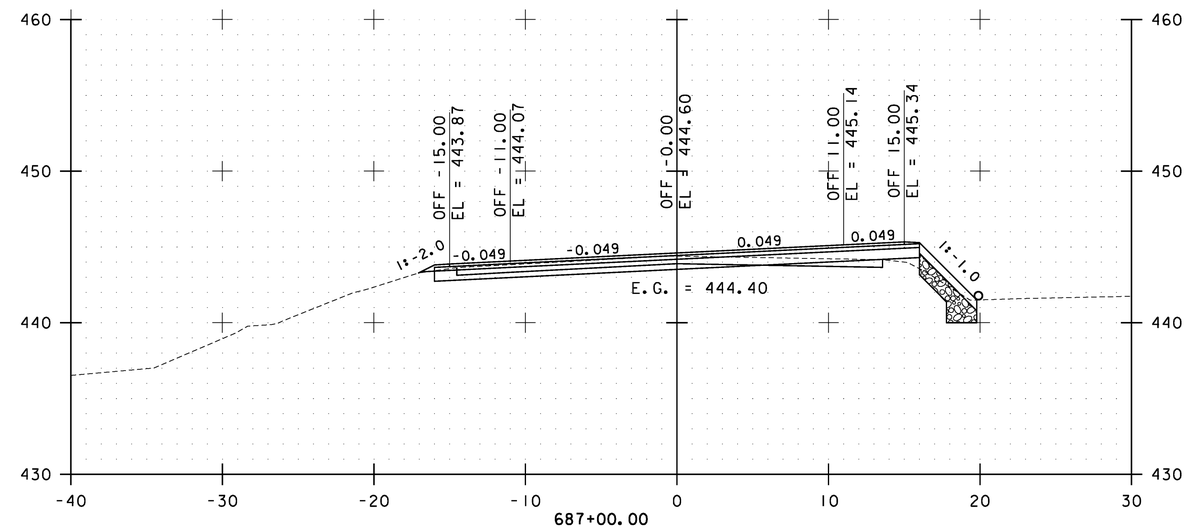
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

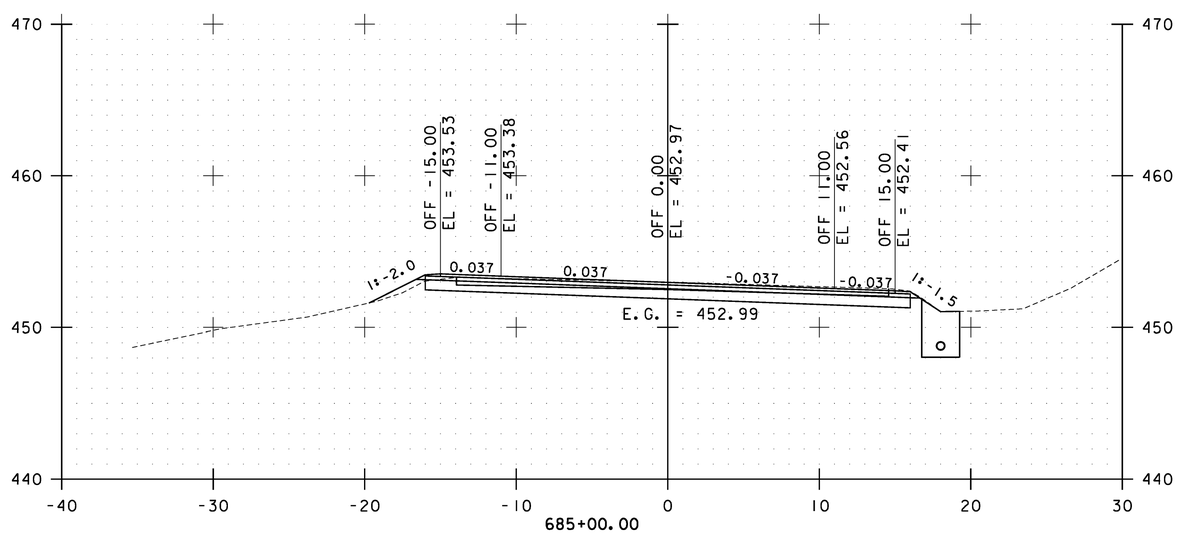
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs82.i

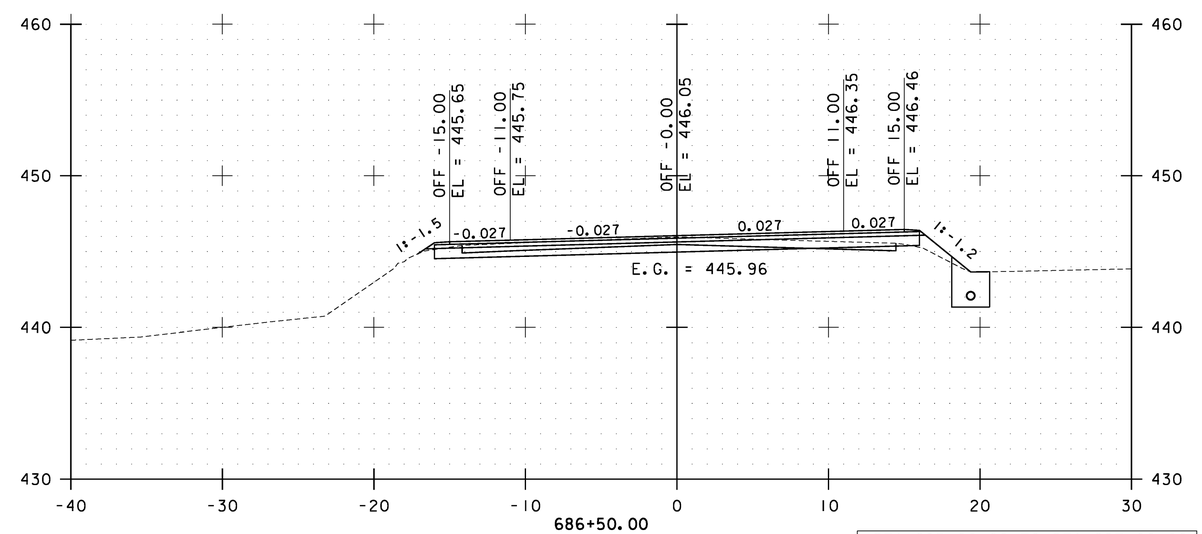
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 217 OF 387











STA. 685+00.00 TO STA. 687+00.00

0 10 20
SCALE

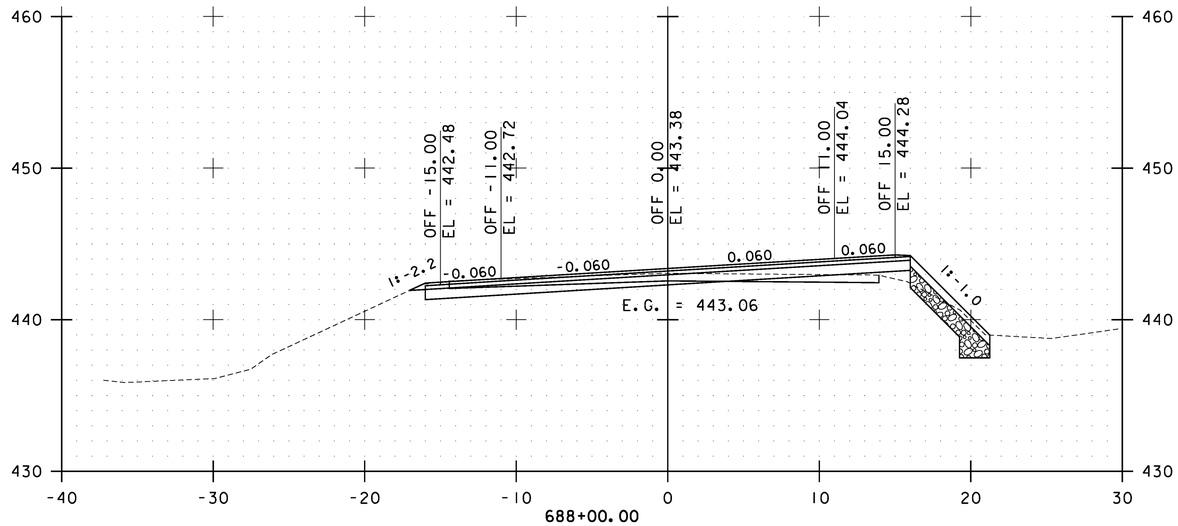
Stantec

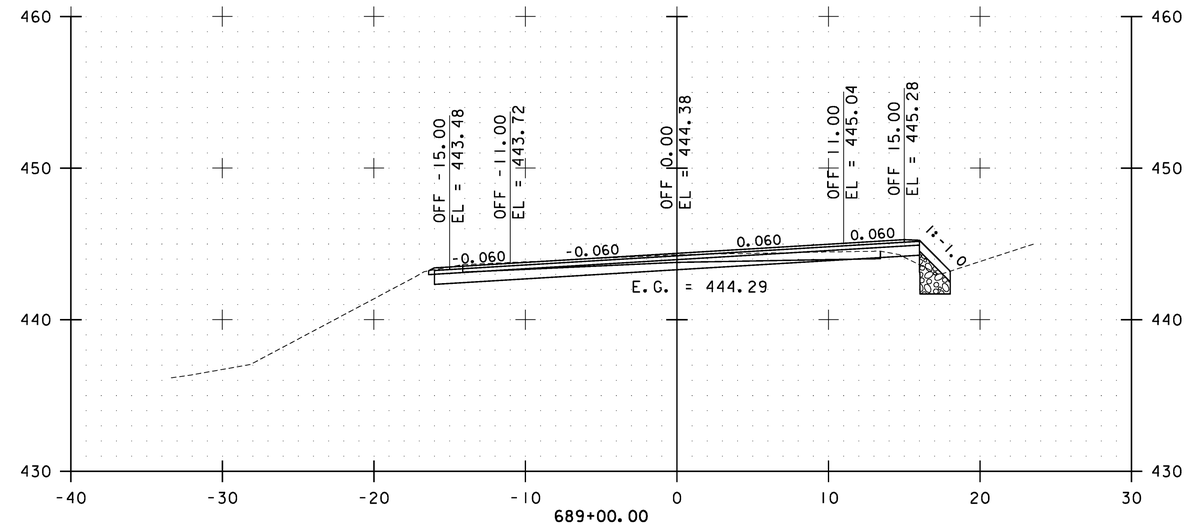
CAMBRIDGE CROSS SECTIONS SHEET #83

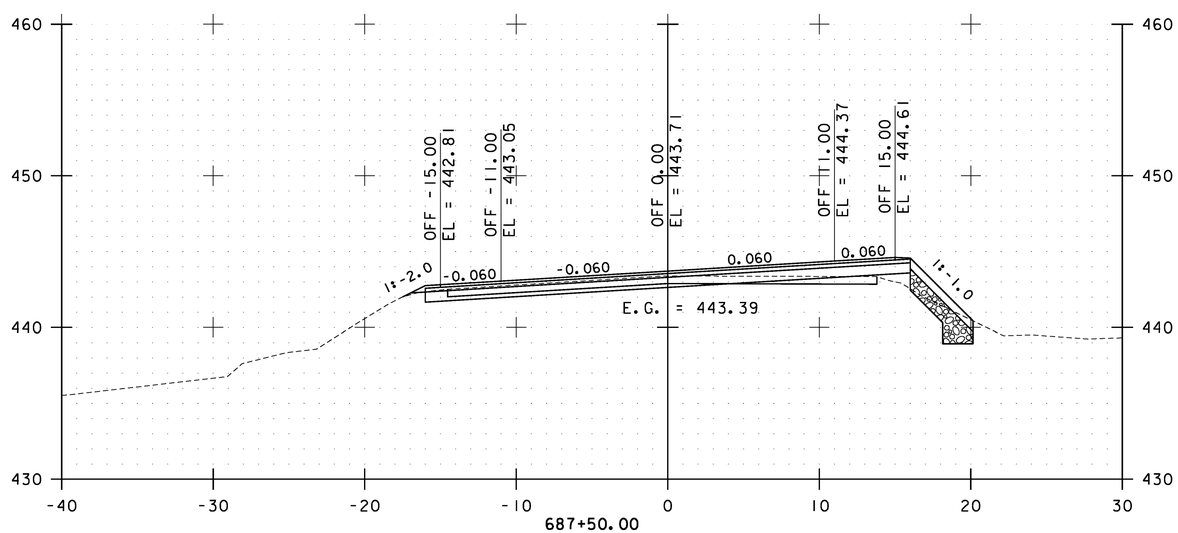
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

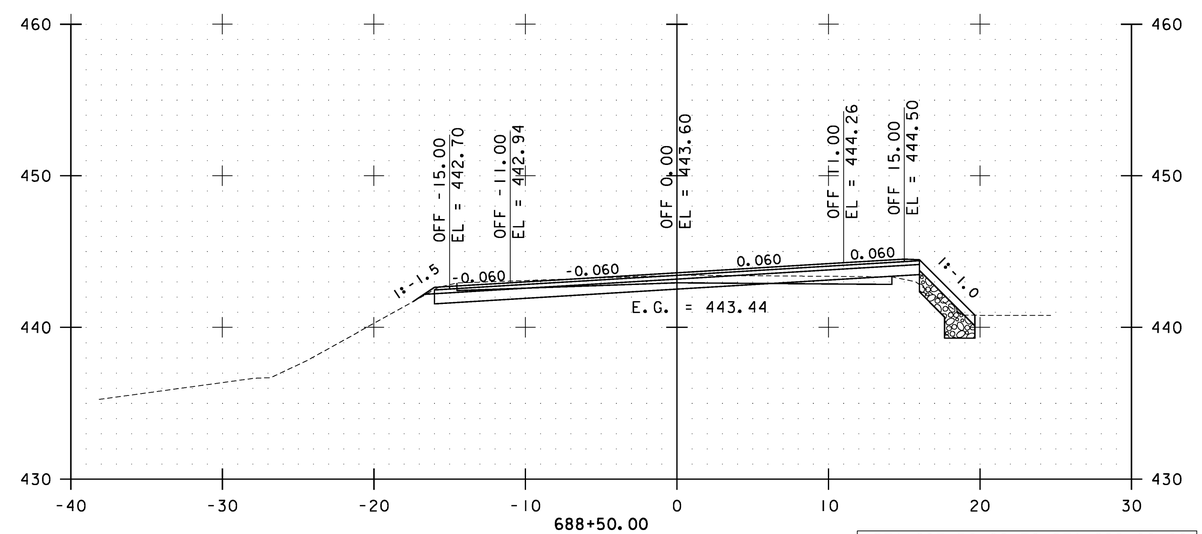
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs83.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 218 OF 387









STA. 687+50.00 TO STA. 689+00.00

0 10 20
SCALE

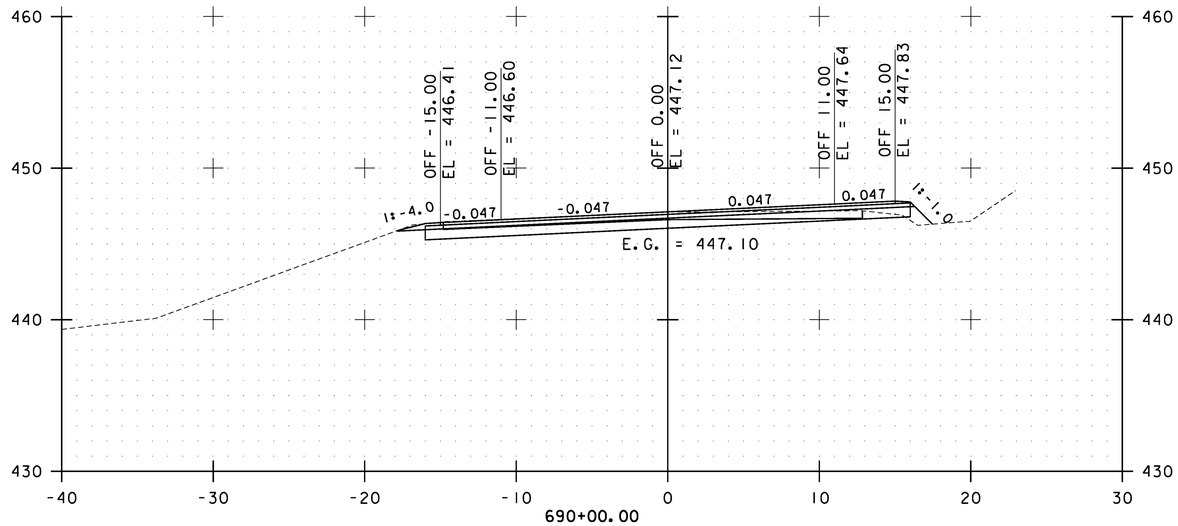
Stantec

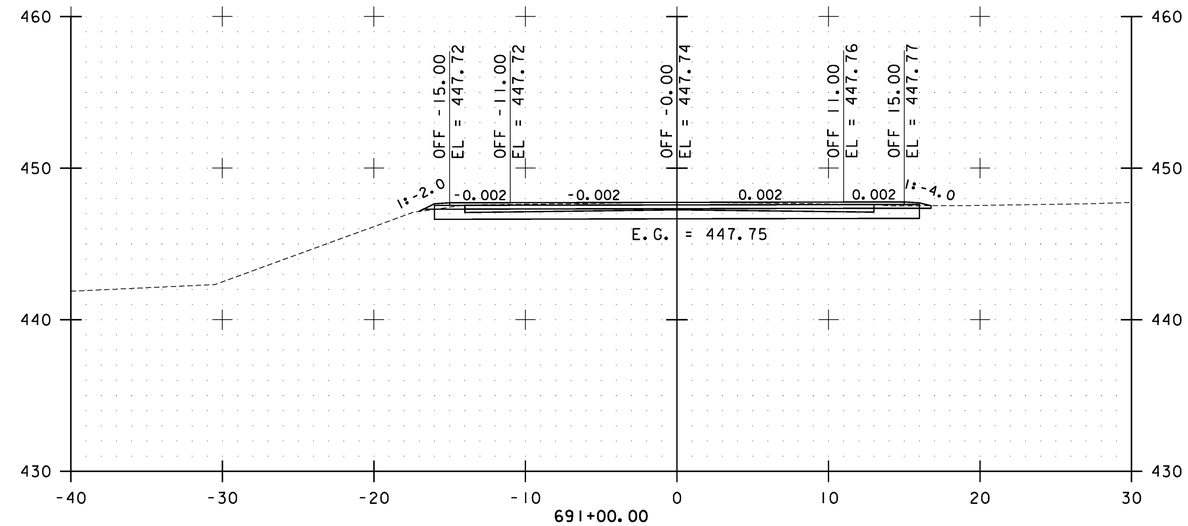
CAMBRIDGE CROSS SECTIONS SHEET #84

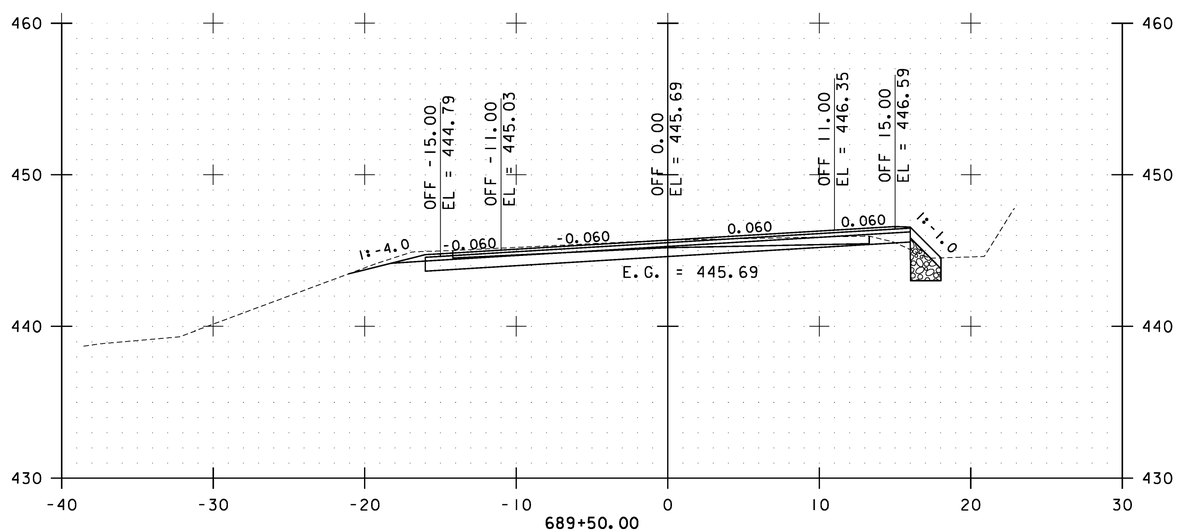
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

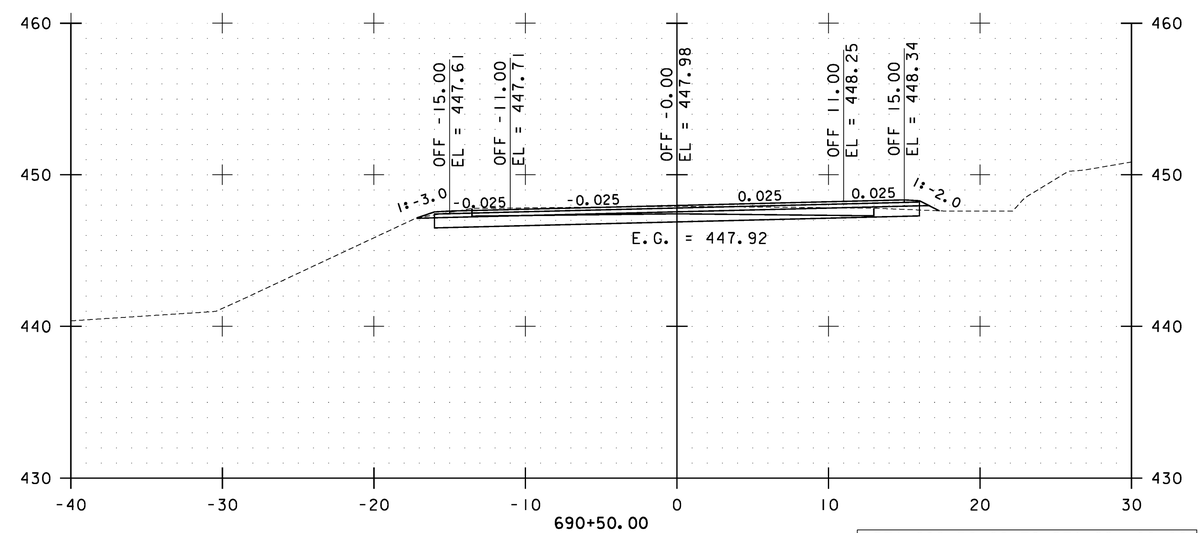
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs84.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 219 OF 387









STA. 689+50.00 TO STA. 691+00.00

0 10 20
SCALE

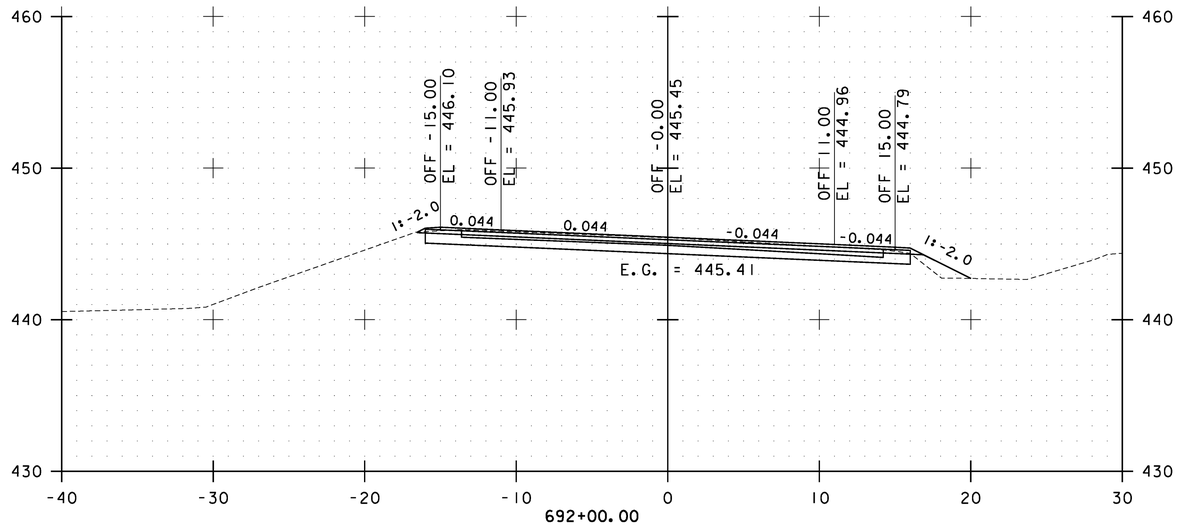
Stantec

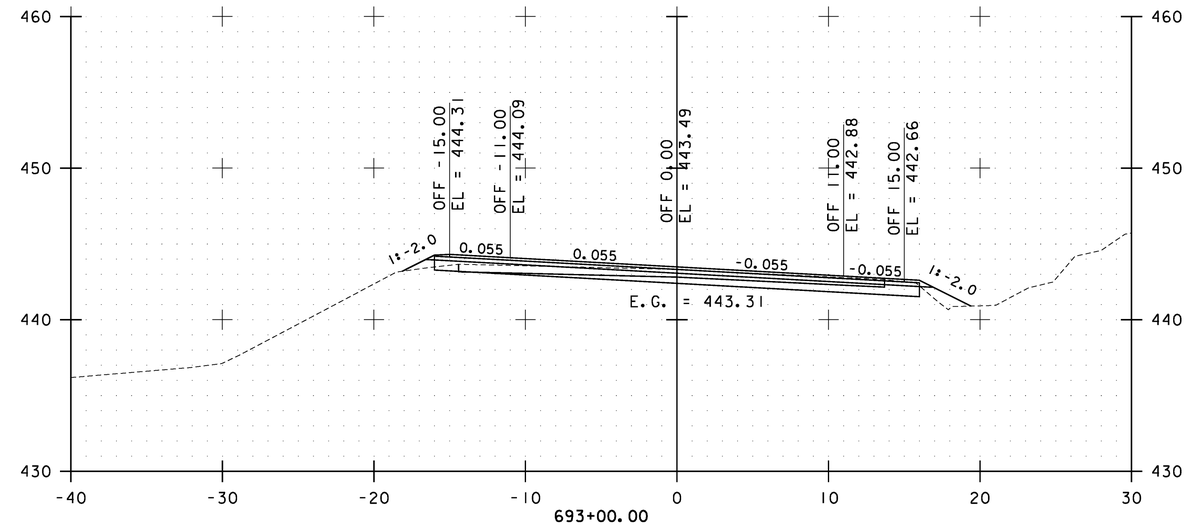
CAMBRIDGE CROSS SECTIONS SHEET #85

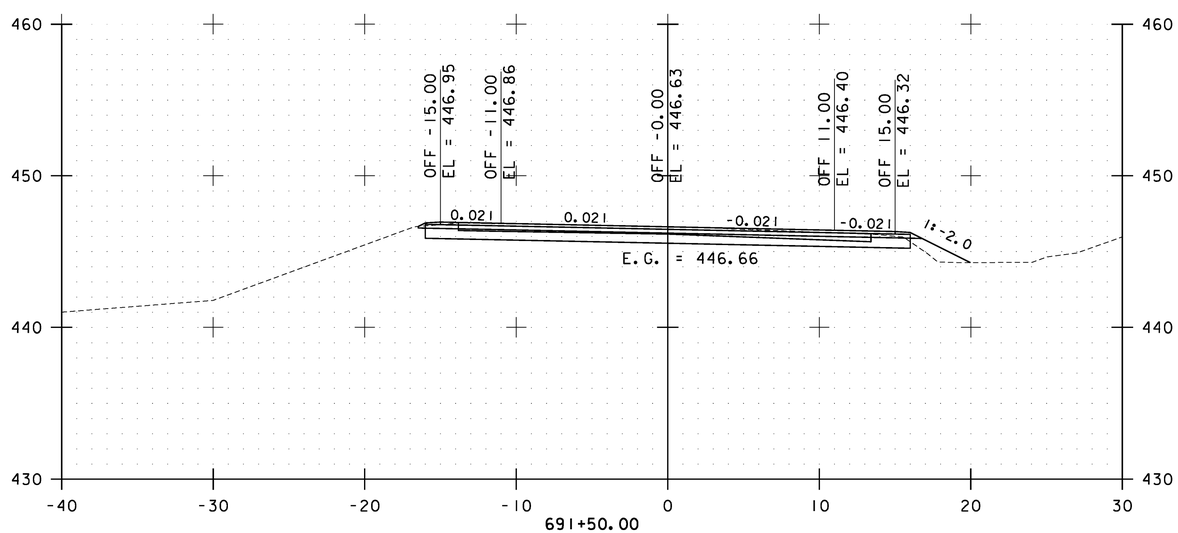
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

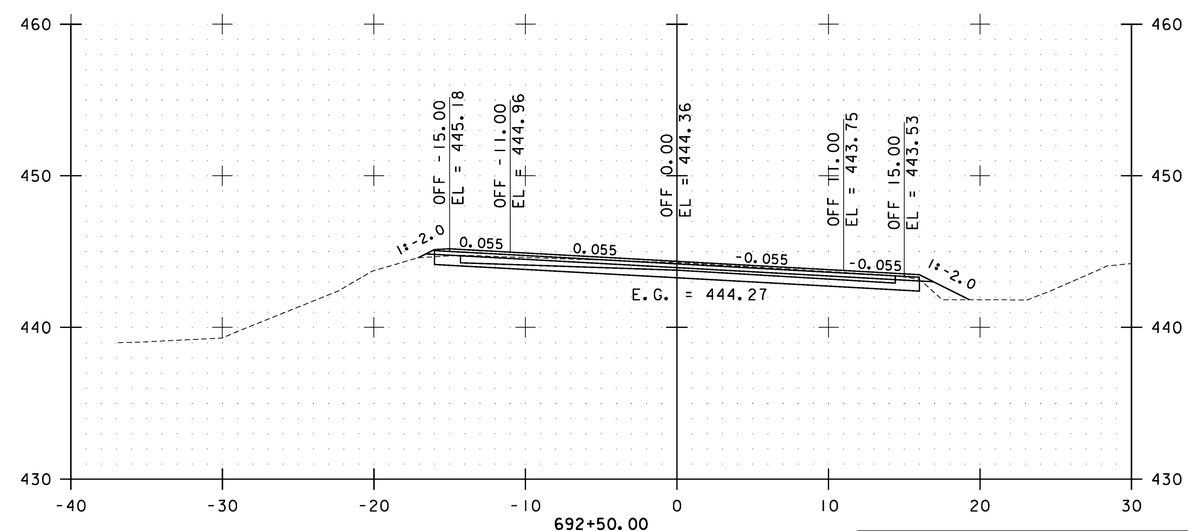
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs85.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 220 OF 387









STA. 691+50.00 TO STA. 693+00.00

0 10 20
SCALE

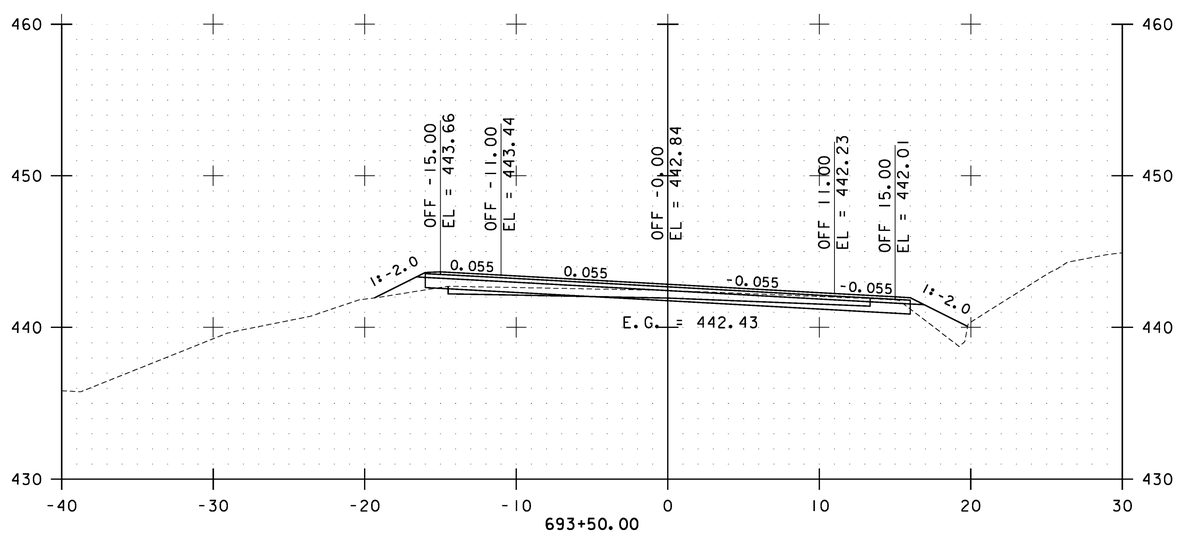
Stantec

CAMBRIDGE CROSS SECTIONS SHEET #86

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs86.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 221 OF 387



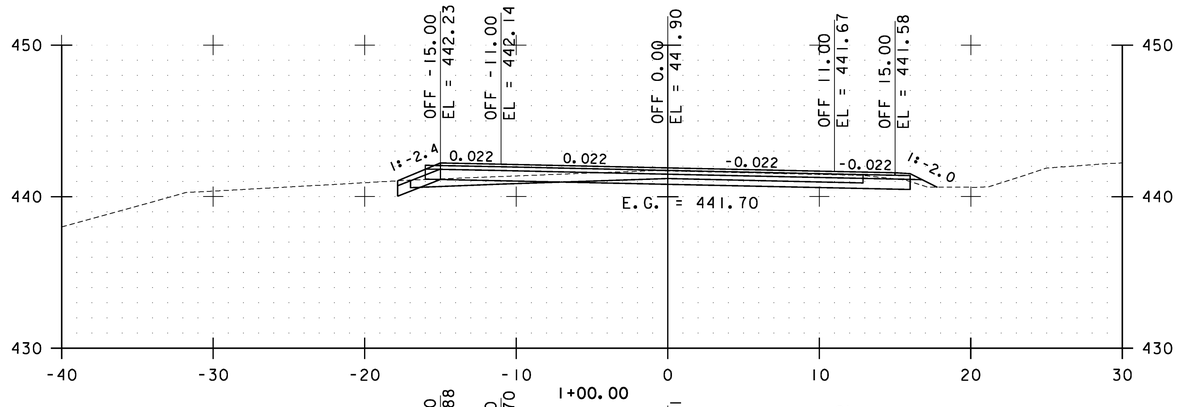
STA. 693+50.00

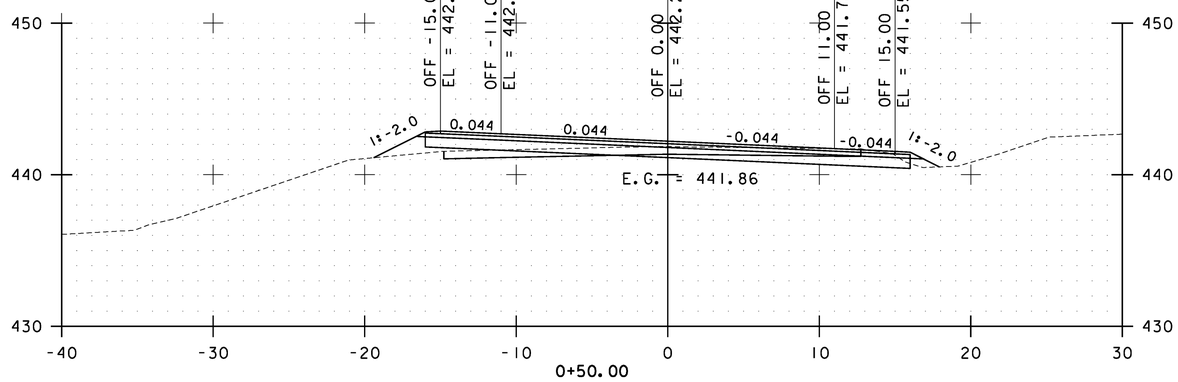
0 10 20
SCALE

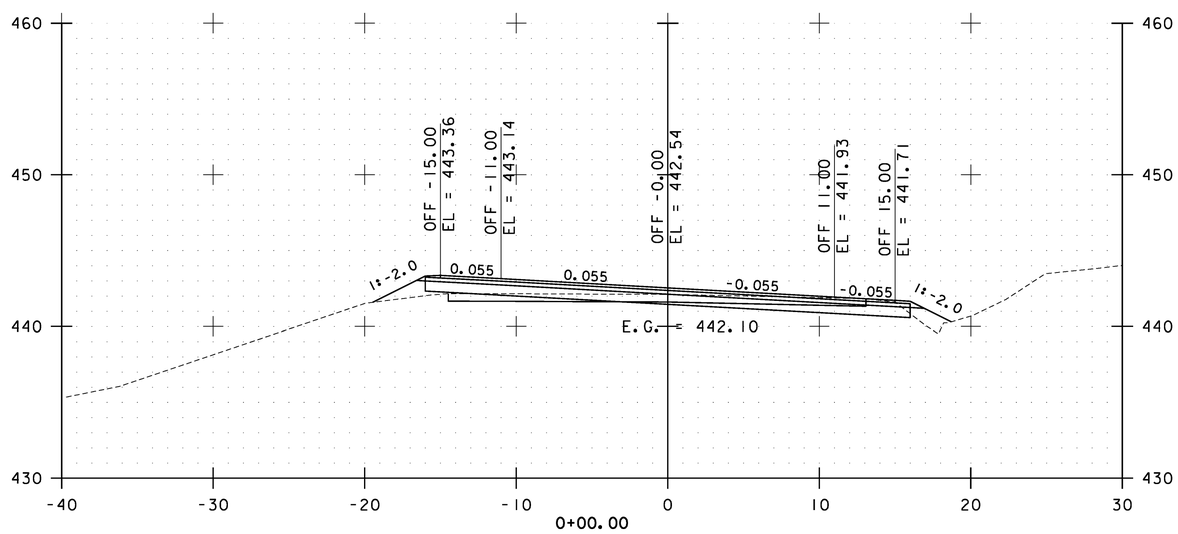
Stantec

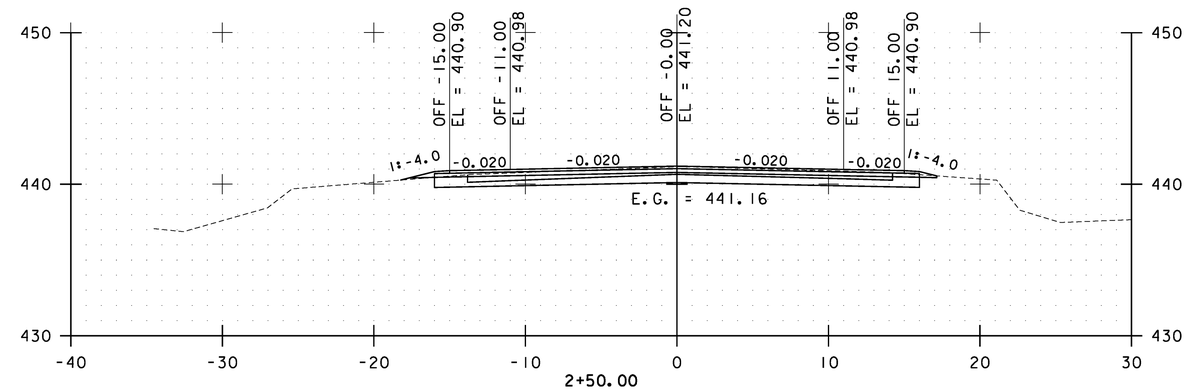
CAMBRIDGE CROSS SECTIONS SHEET #87

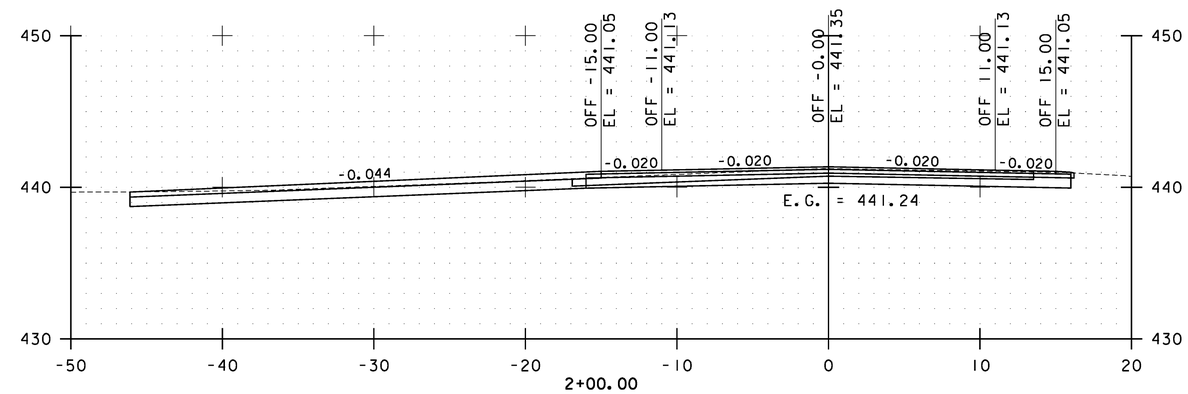
PROJECT NAME: CAMBRIDGE-BAKERSFIELD	
PROJECT NUMBER: STP 2926(1)	
FILE NAME: p10b258.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10b258xs87.i	SHEET 222 OF 387

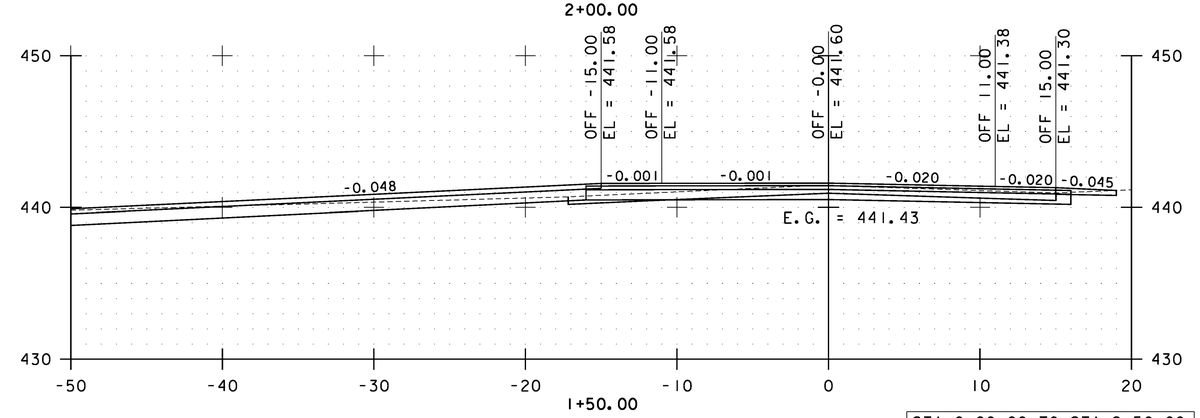












STA. 0+00.00 TO STA. 2+50.00

0 10 20
SCALE

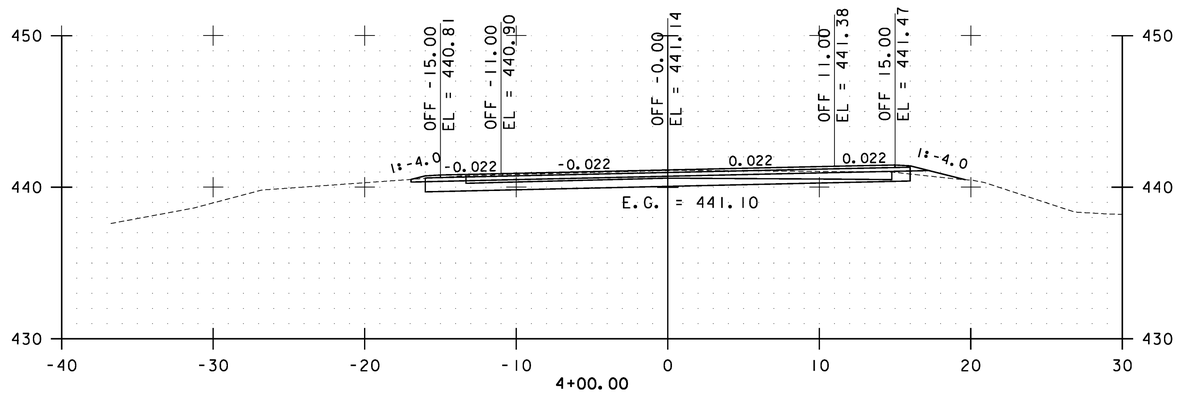
Stantec

FLETCHER CROSS SECTIONS SHEET #1

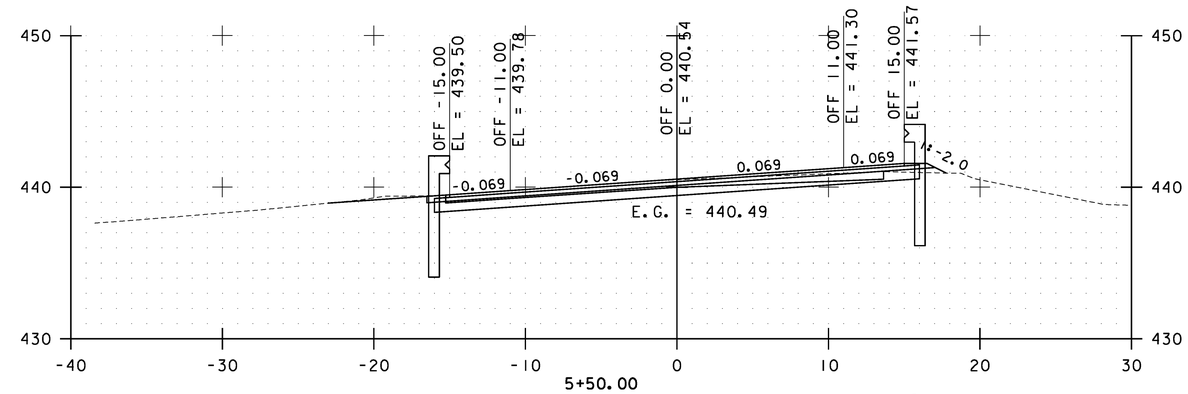
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs01.i

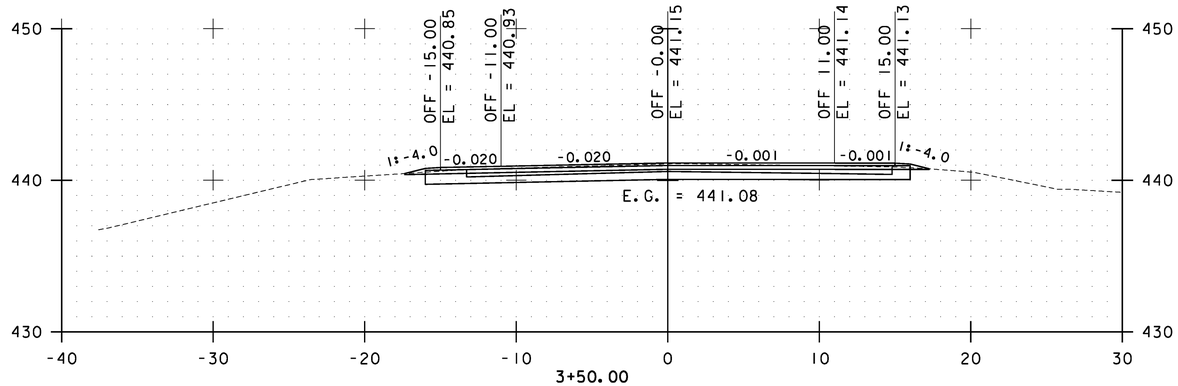
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 223 OF 387



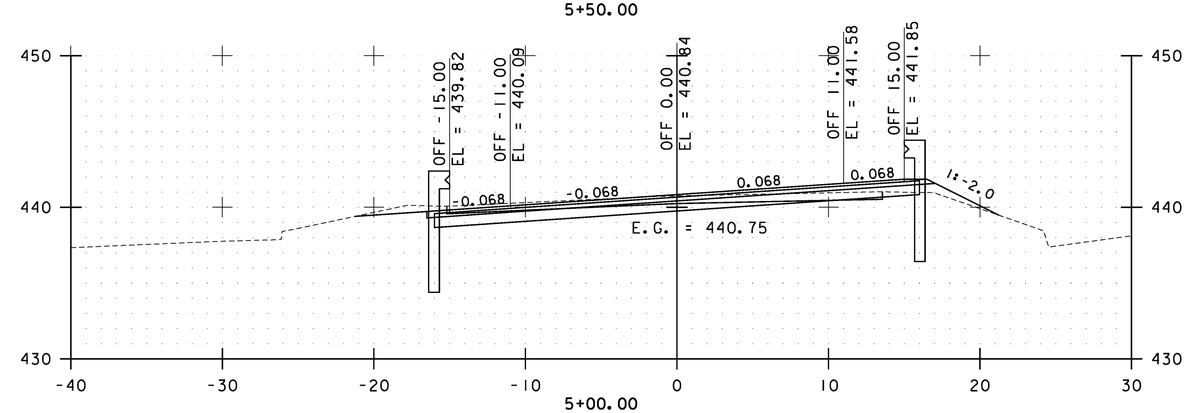
4+00.00



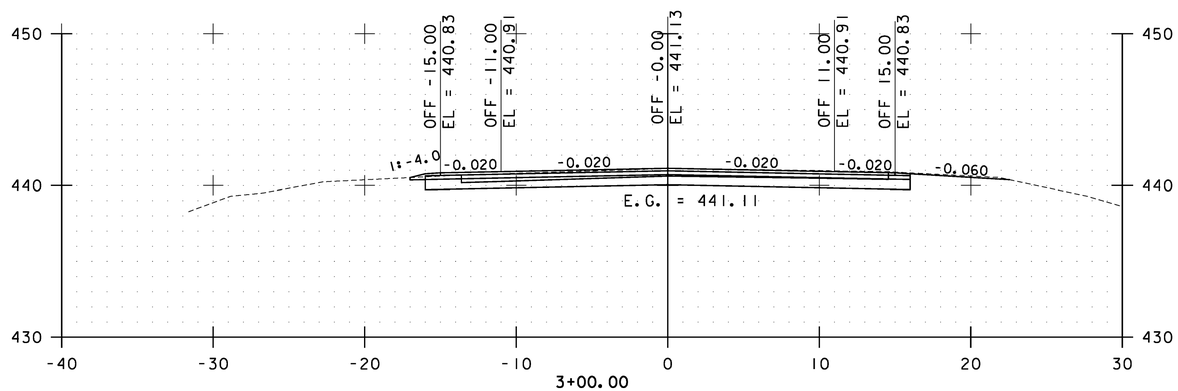
5+50.00



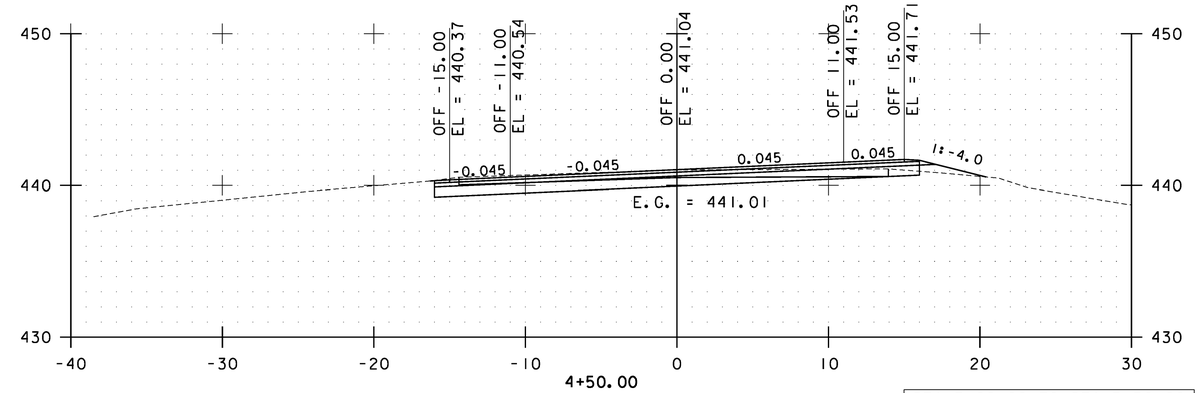
3+50.00



5+00.00

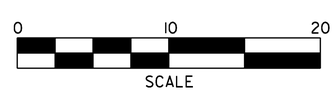


3+00.00



4+50.00

STA. 3+00.00 TO STA. 5+50.00



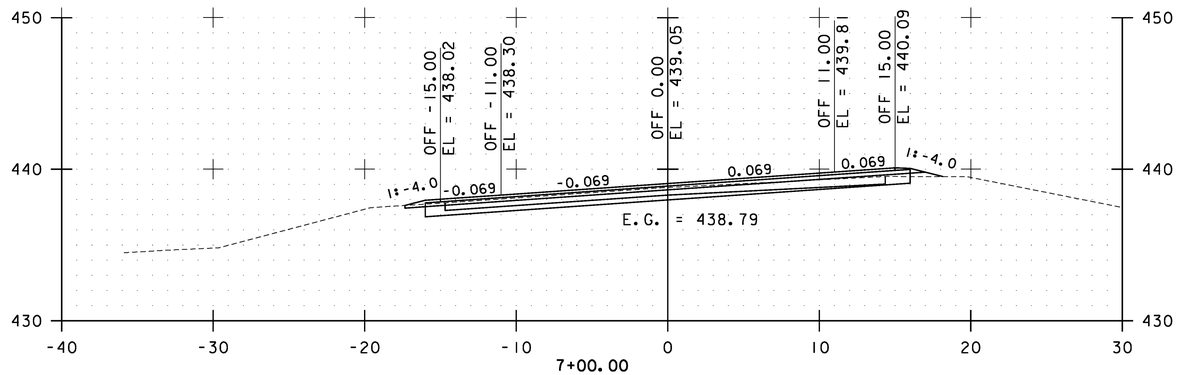
Stantec

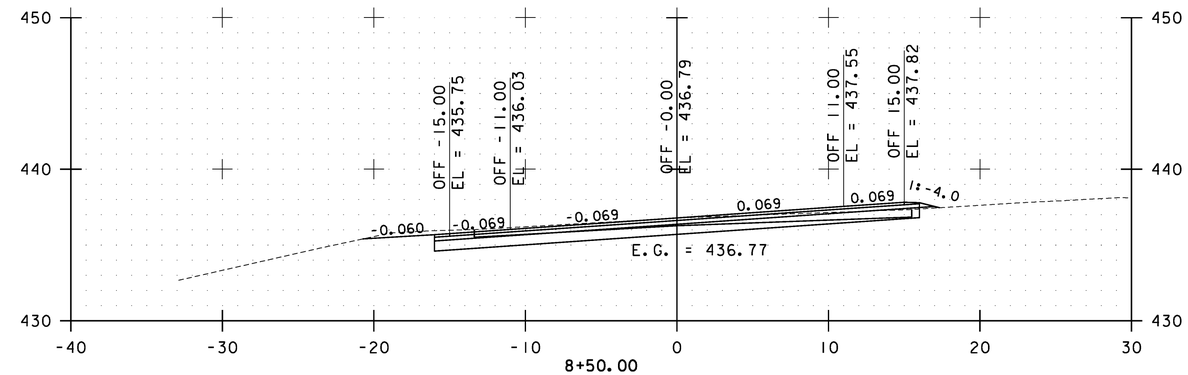
FLETCHER CROSS SECTIONS SHEET #2

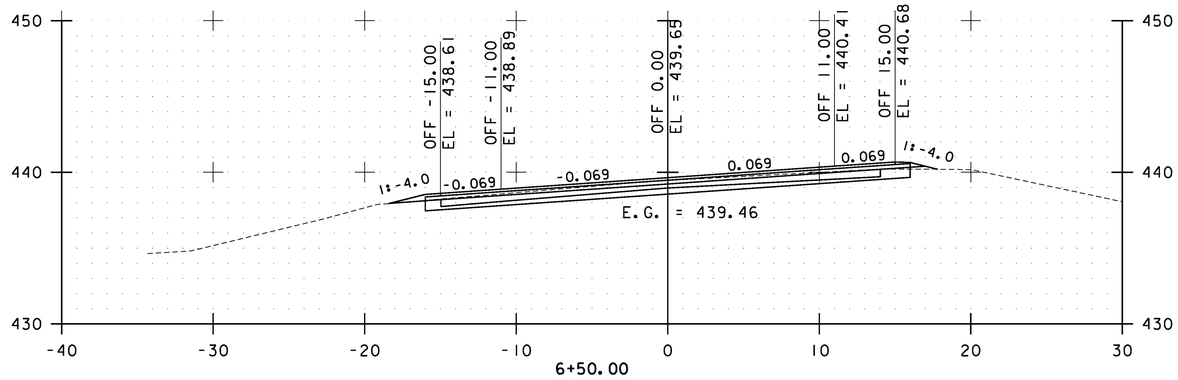
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

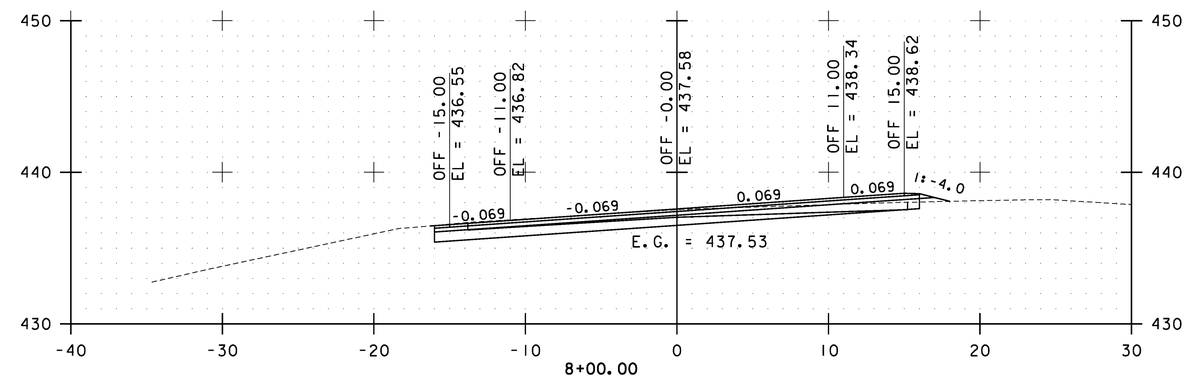
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs02.i

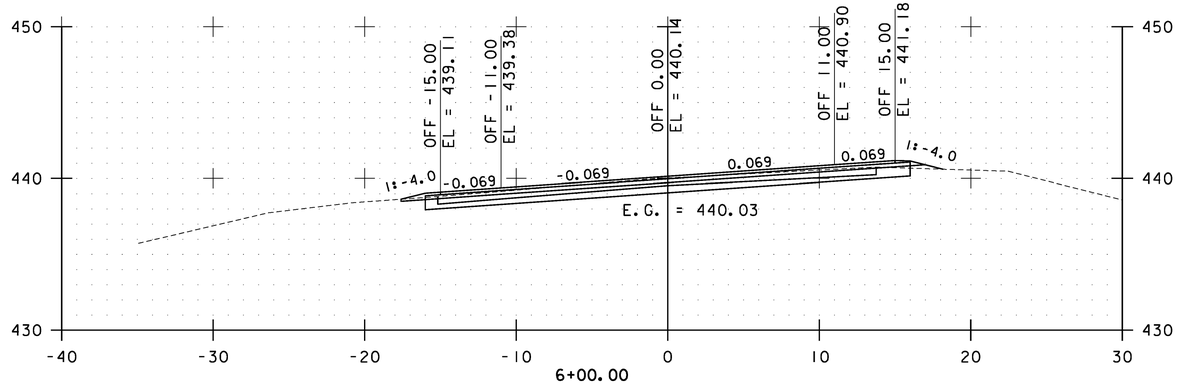
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 224 OF 387

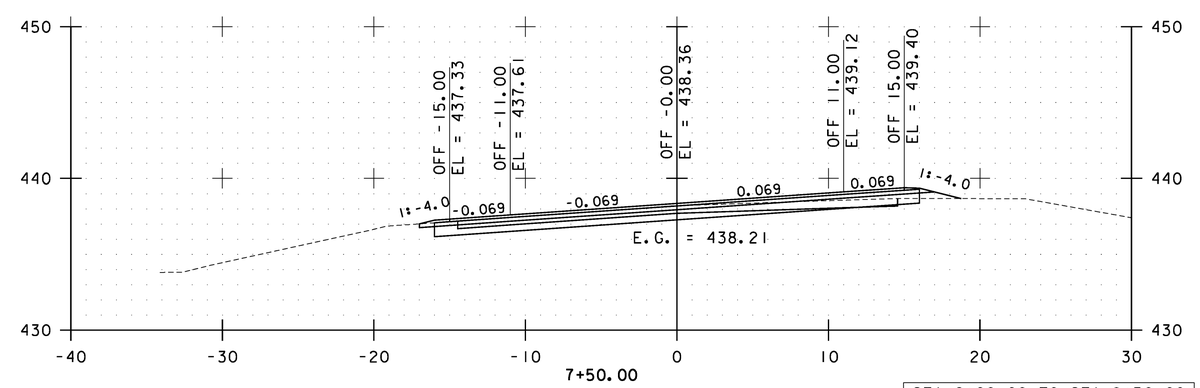












STA. 6+00.00 TO STA. 8+50.00

0 10 20
SCALE

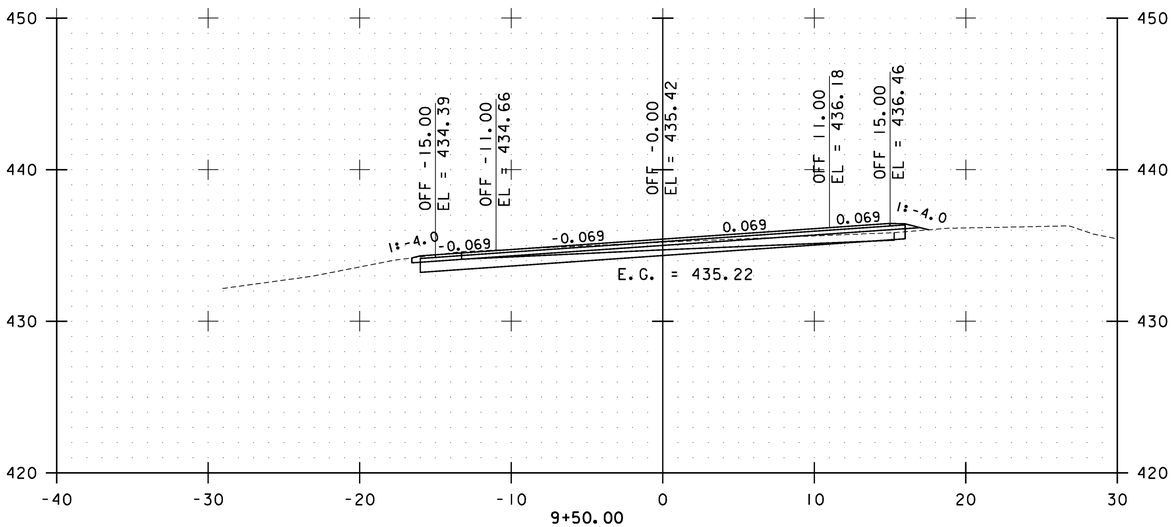
Stantec

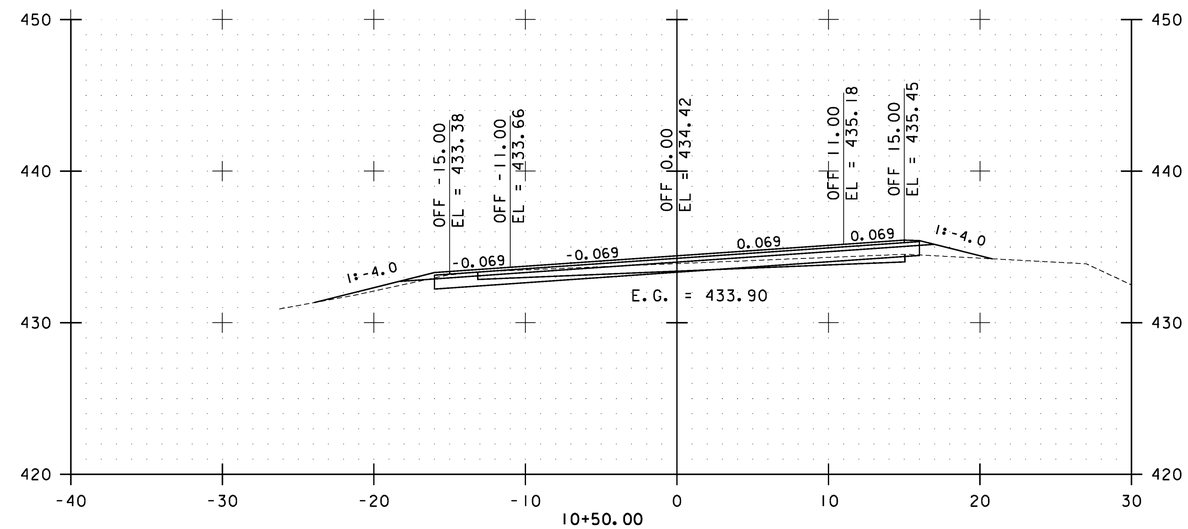
FLETCHER CROSS SECTIONS SHEET #3

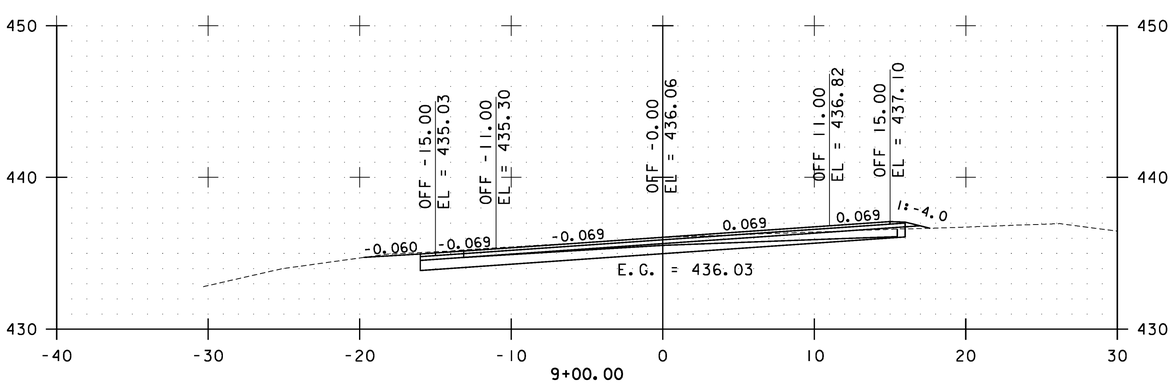
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

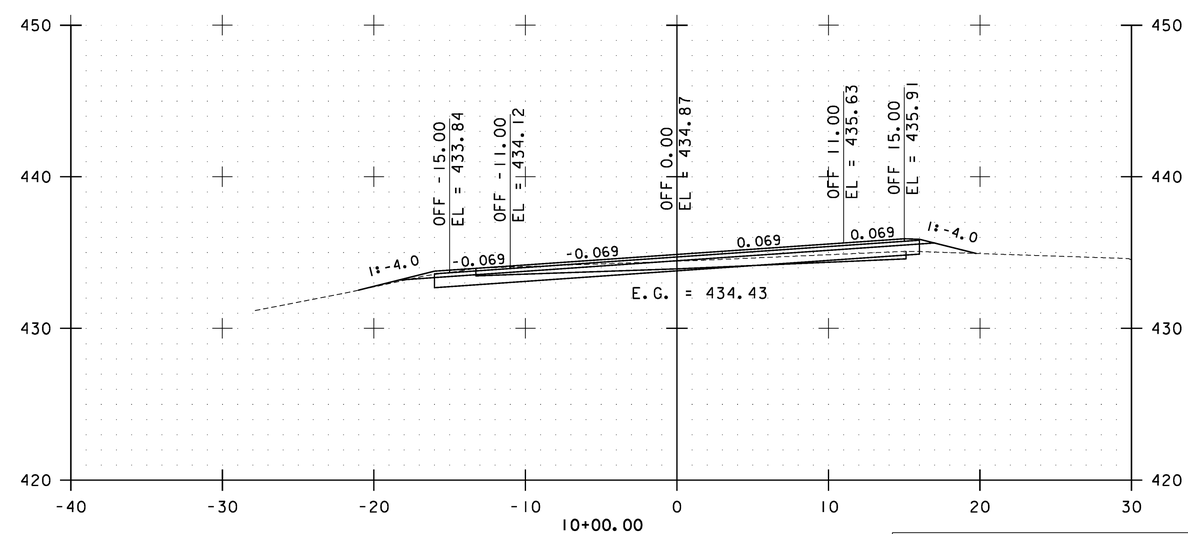
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs03.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 225 OF 387









STA. 9+00.00 TO STA. 10+50.00

0 10 20
SCALE

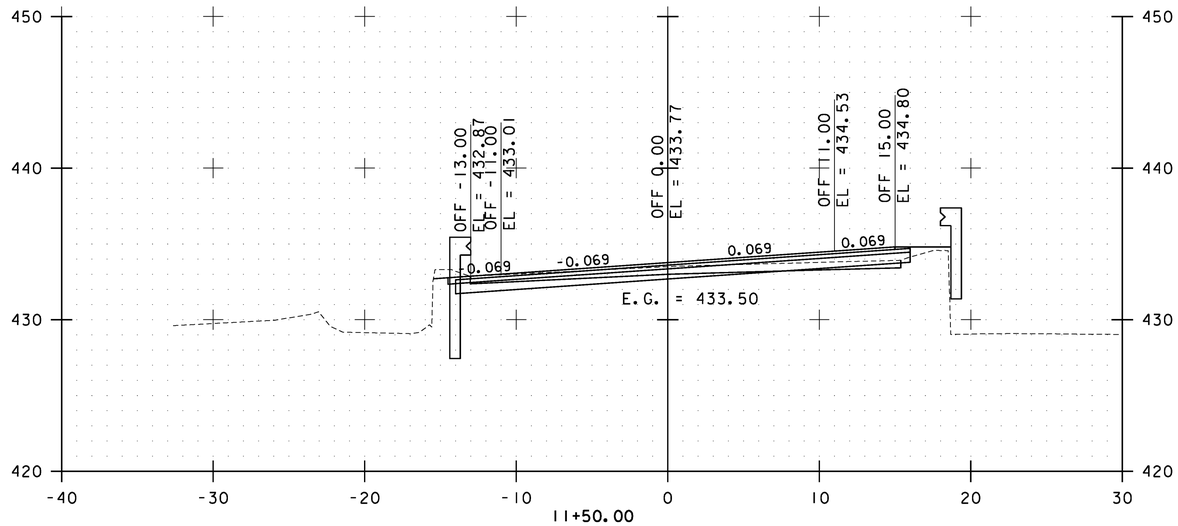
Stantec

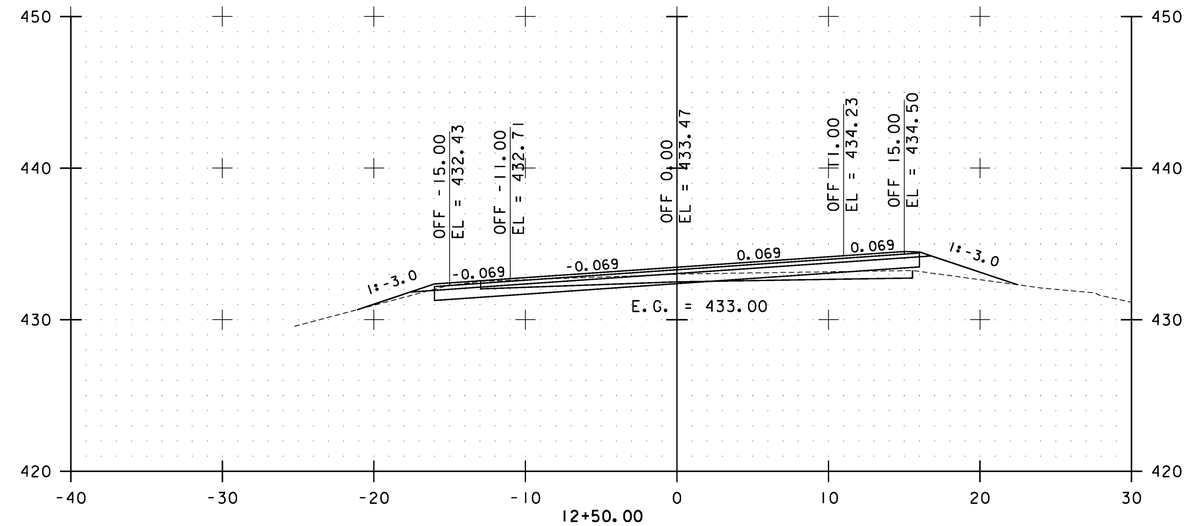
FLETCHER CROSS SECTIONS SHEET #4

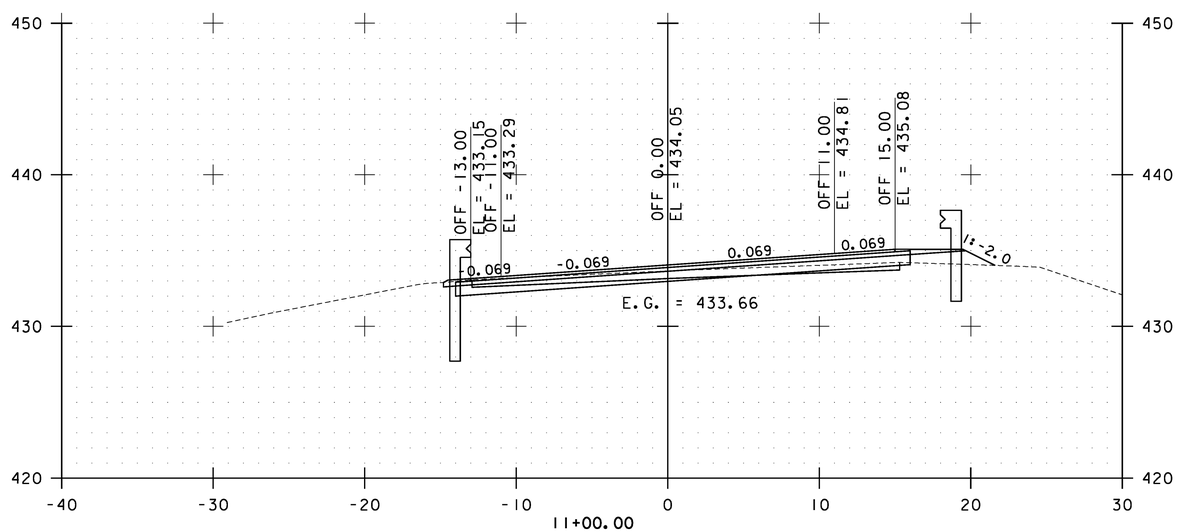
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

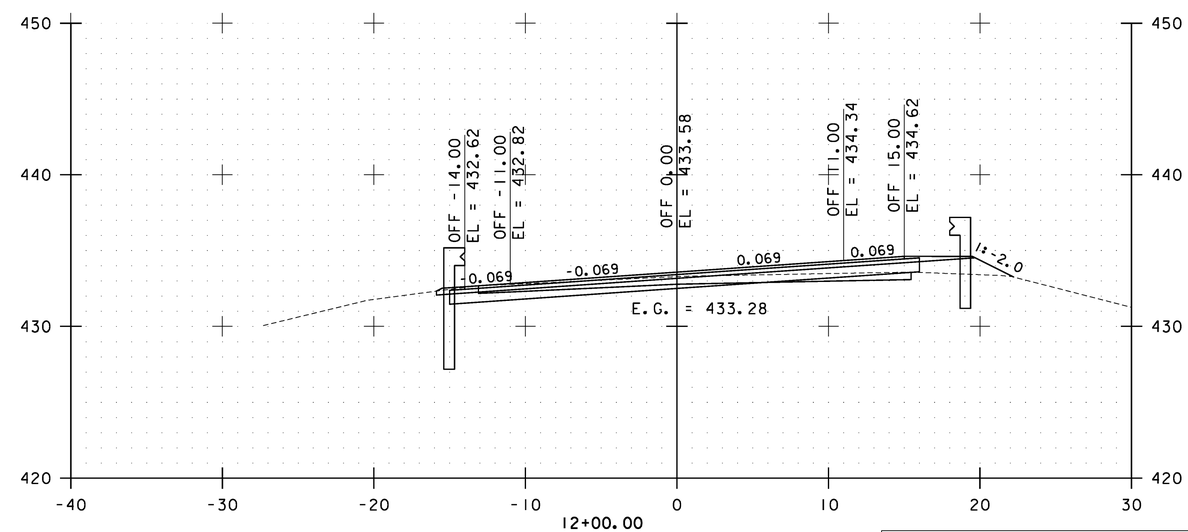
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs04.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 226 OF 387









STA. 11+00.00 TO STA. 12+50.00

0 10 20
SCALE

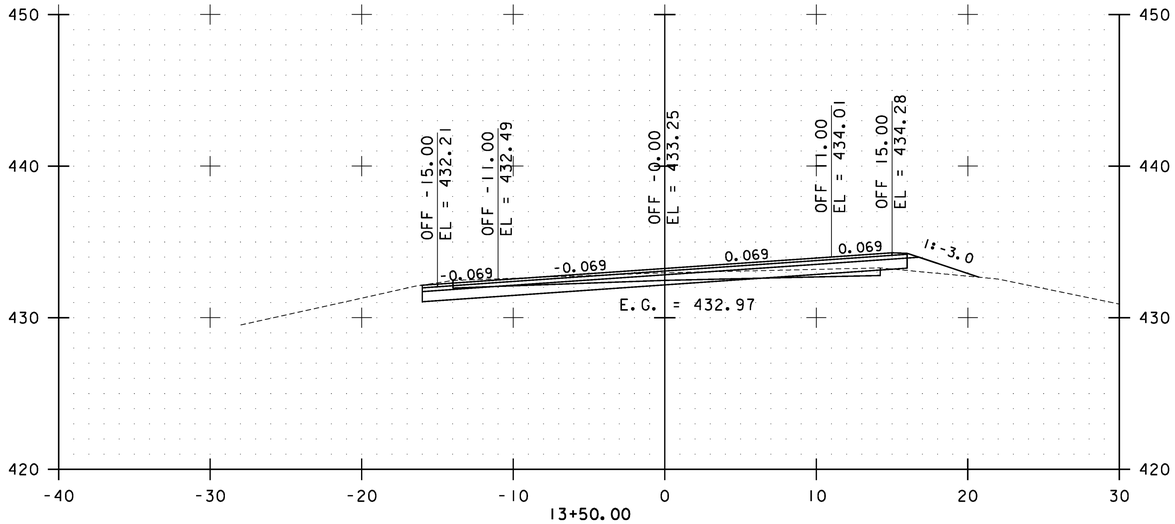
Stantec

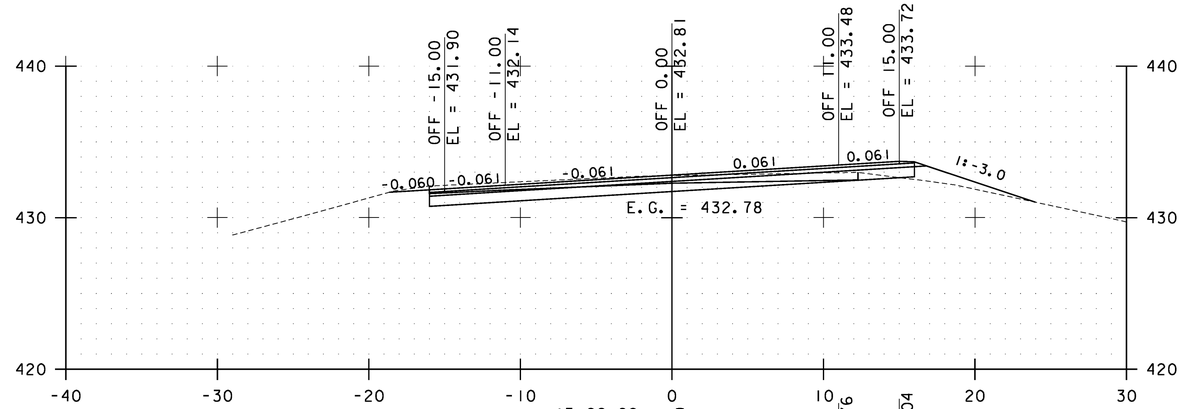
FLETCHER CROSS SECTIONS SHEET #5

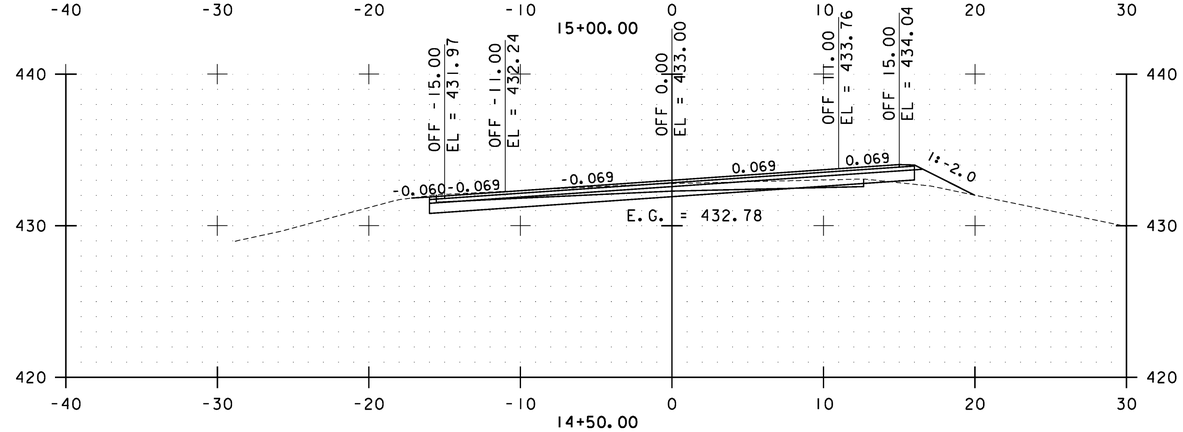
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

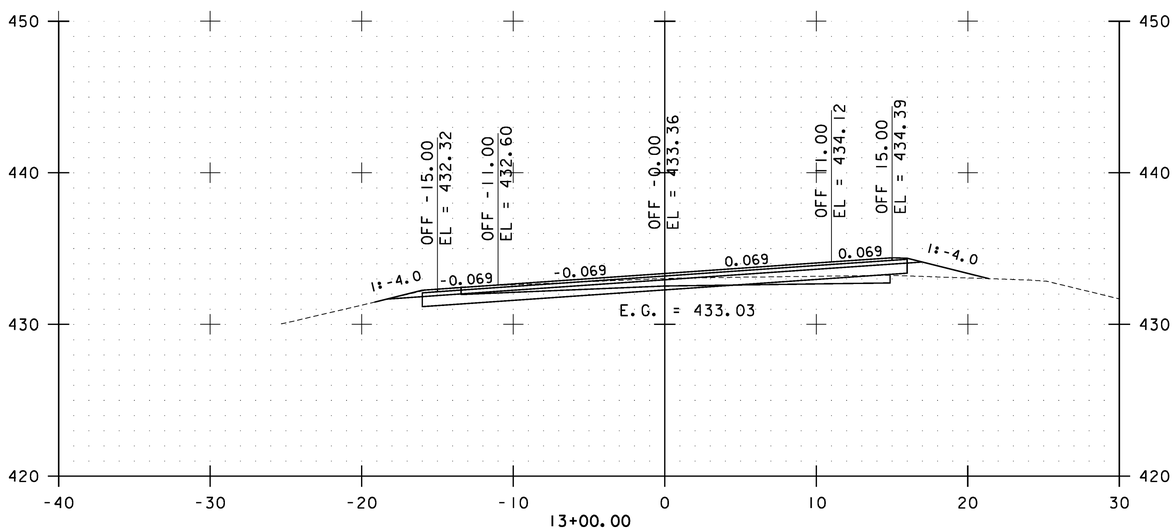
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs05.i

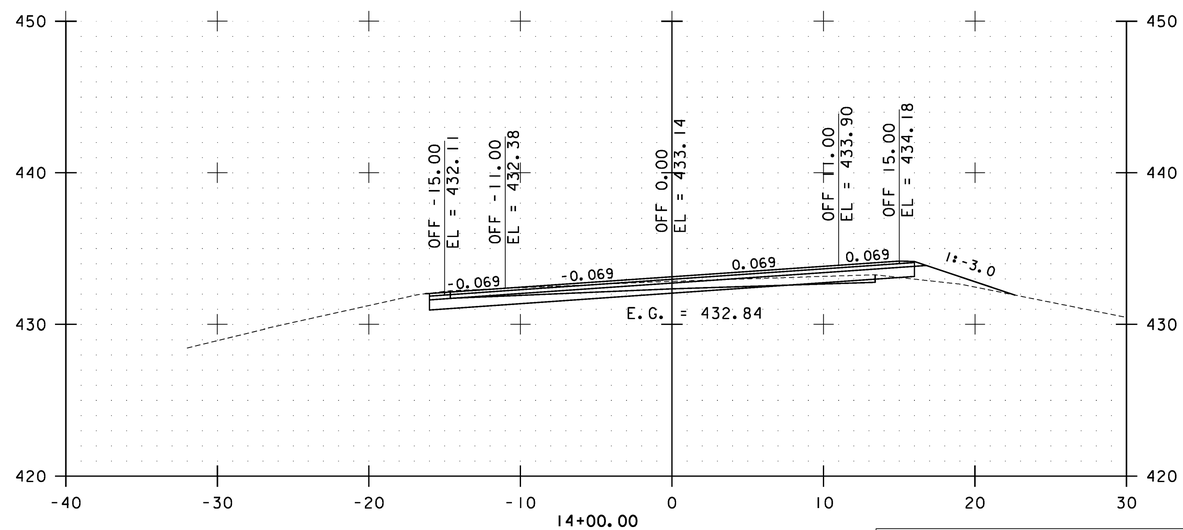
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 227 OF 387











STA. 13+00.00 TO STA. 15+00.00

0 10 20
SCALE

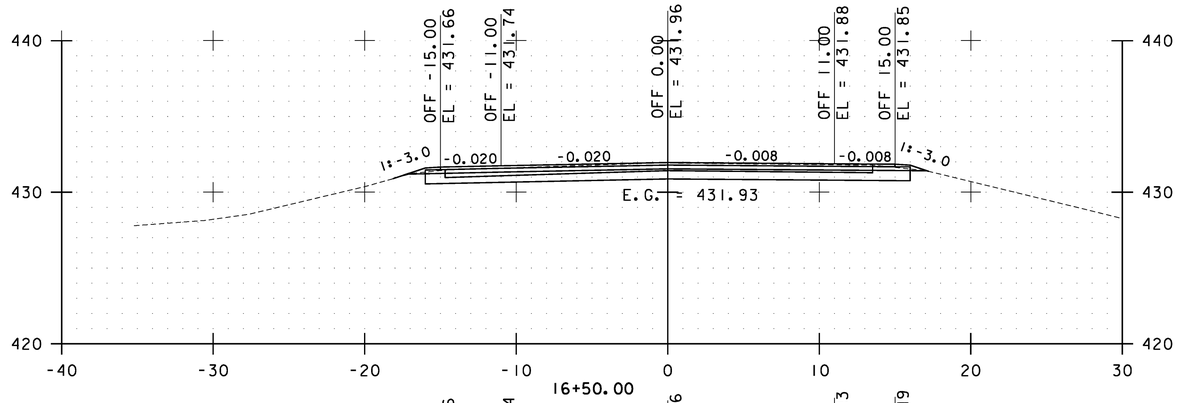
Stantec

FLETCHER CROSS SECTIONS SHEET #6

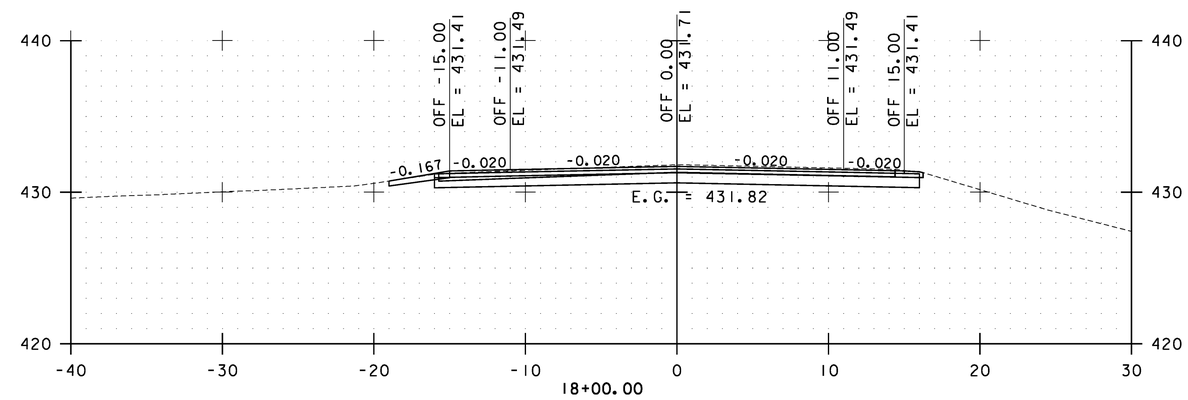
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs06.i

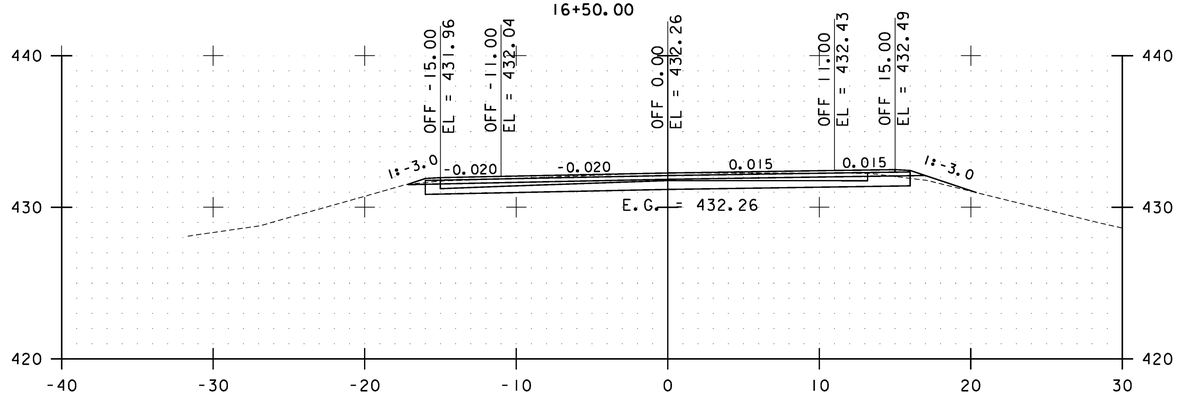
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 228 OF 387



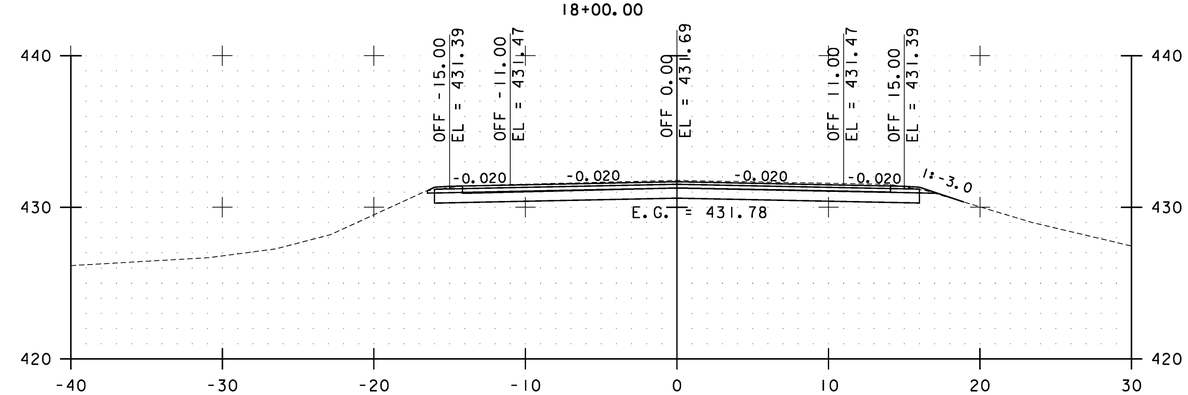
16+50.00



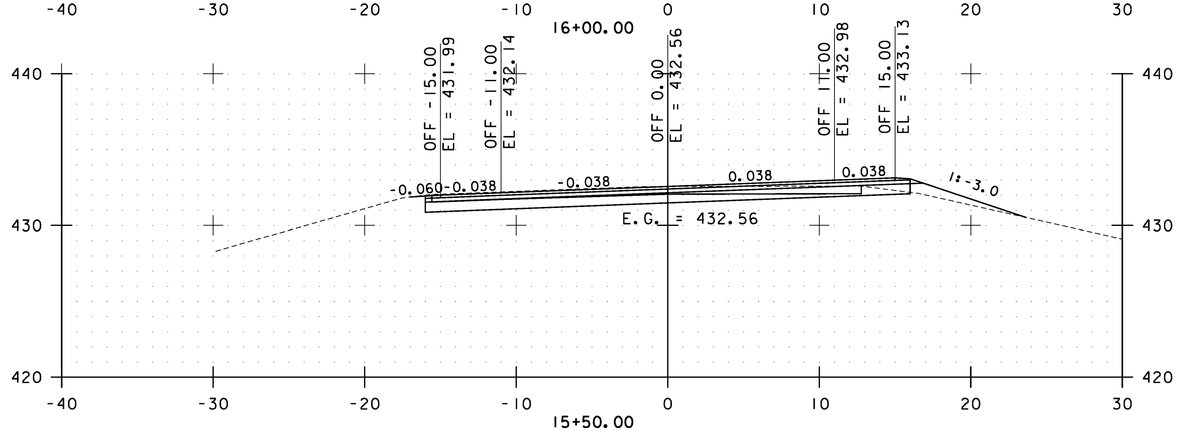
18+00.00



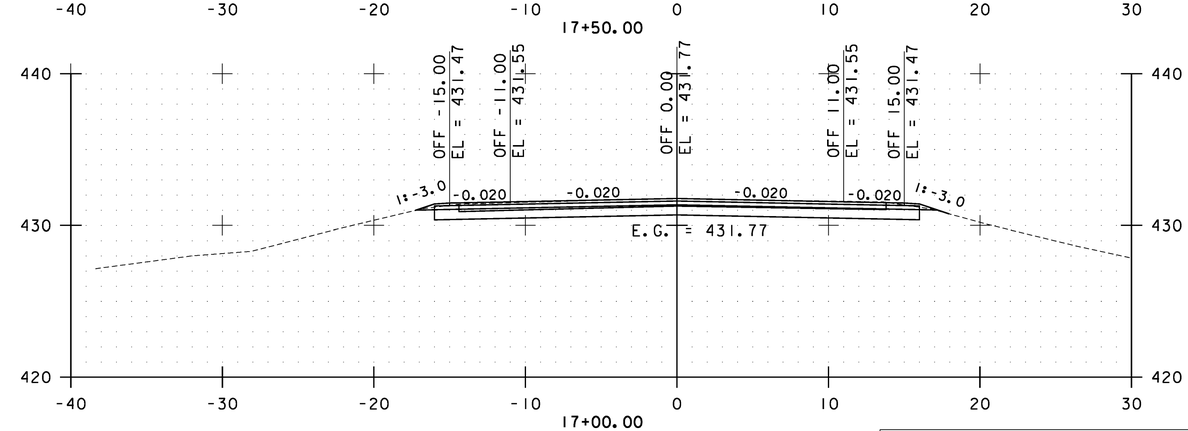
16+00.00



17+50.00



15+50.00



17+00.00

STA. 15+50.00 TO STA. 18+00.00

0 10 20
SCALE

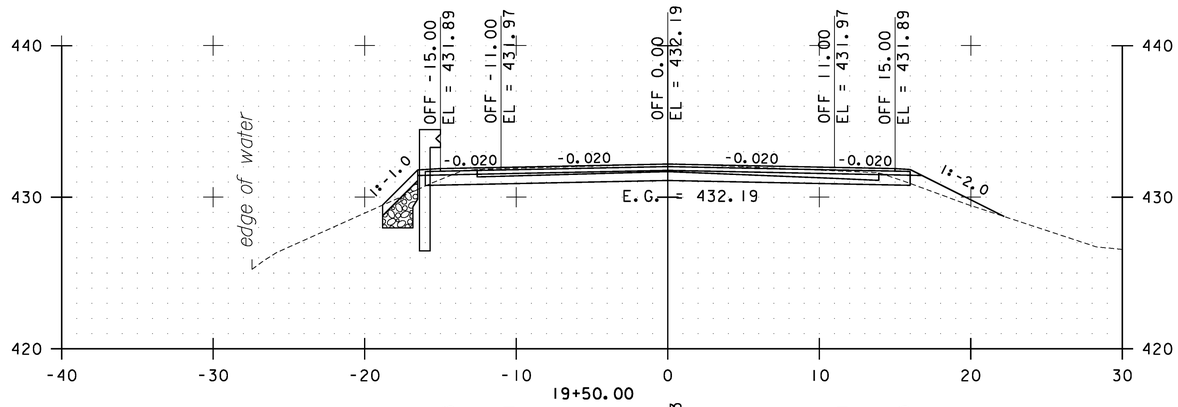
Stantec

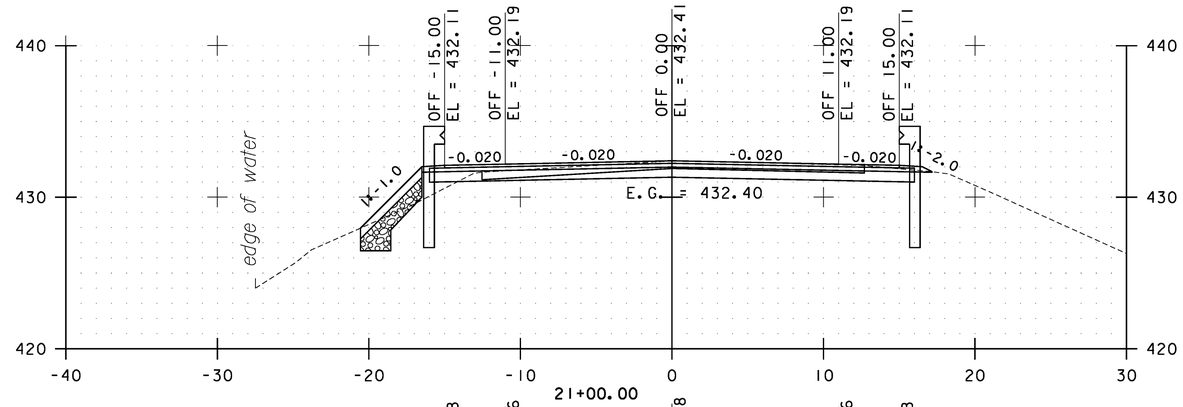
FLETCHER CROSS SECTIONS SHEET #7

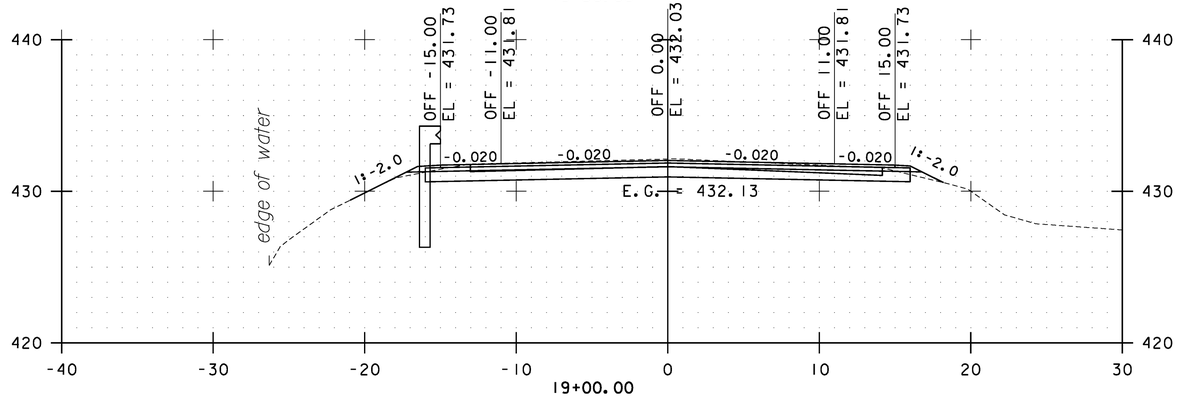
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

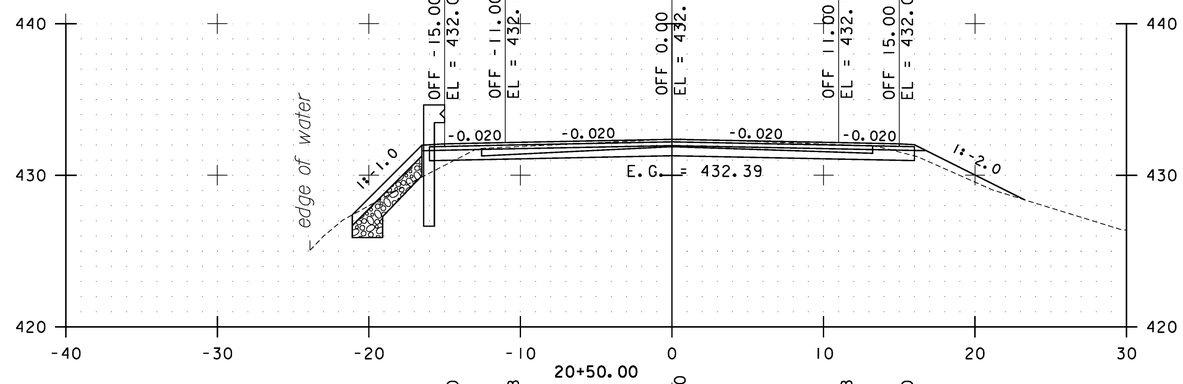
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs07.i

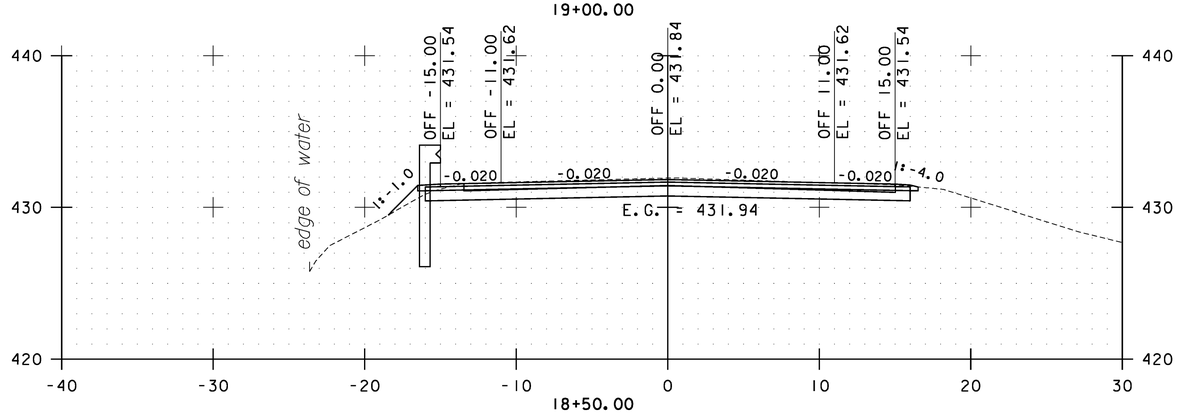
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 229 OF 387

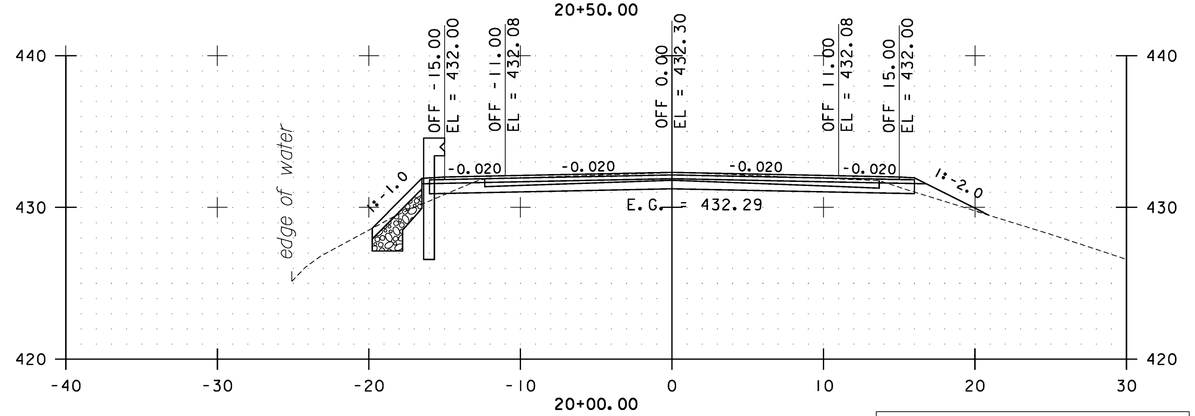












STA. 18+50.00 TO STA. 21+00.00

0 10 20
SCALE

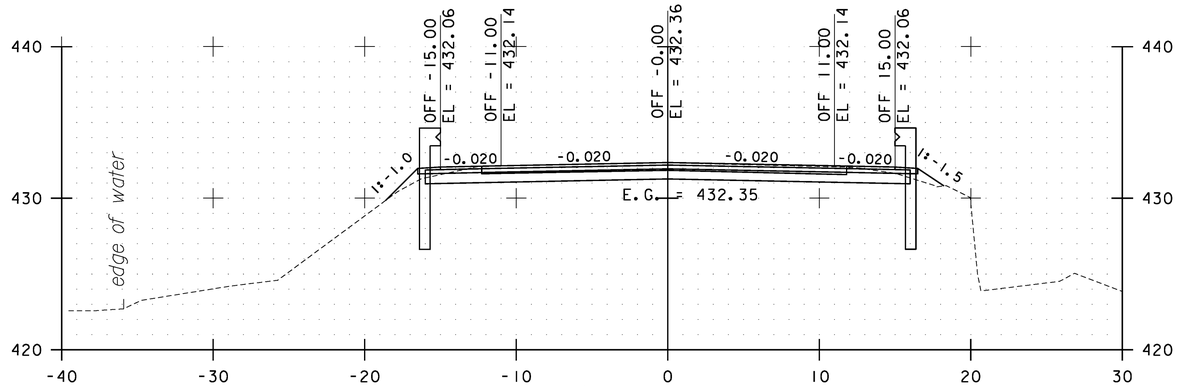
Stantec

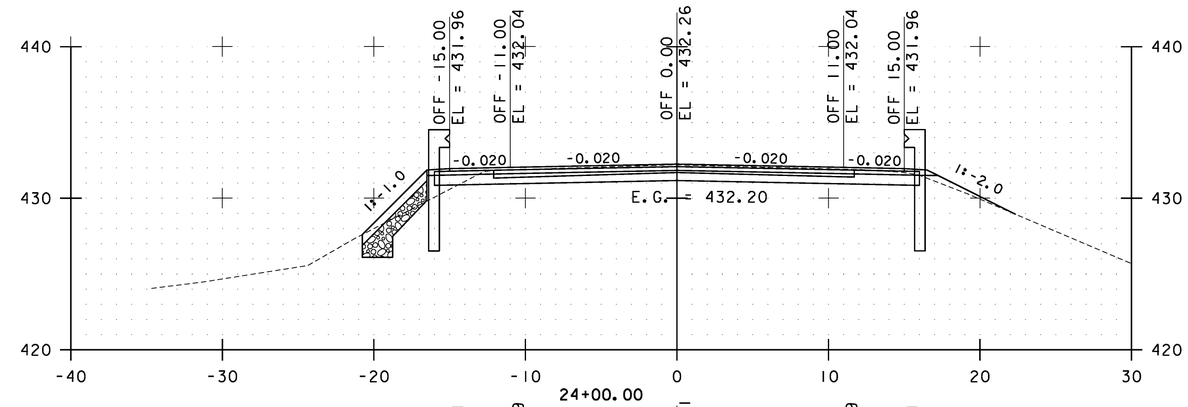
FLETCHER CROSS SECTIONS SHEET #8

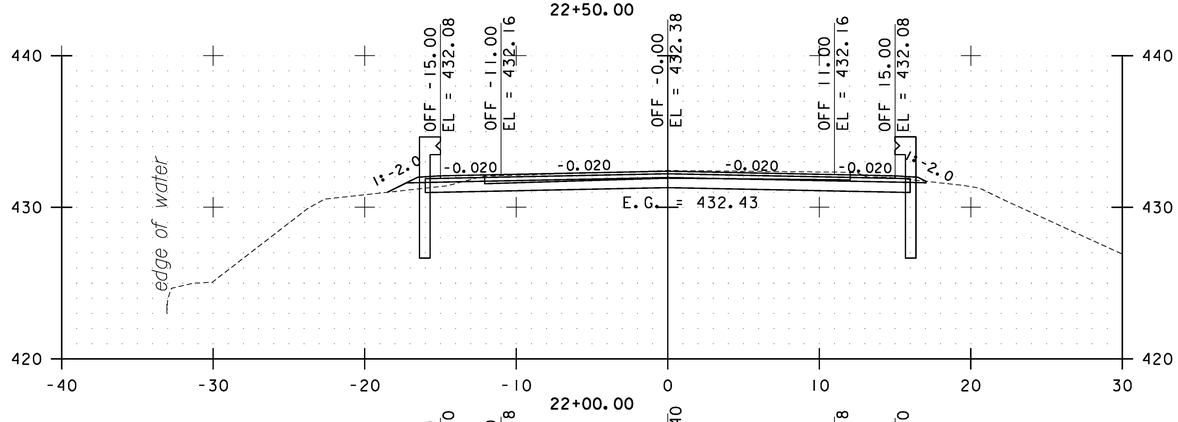
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

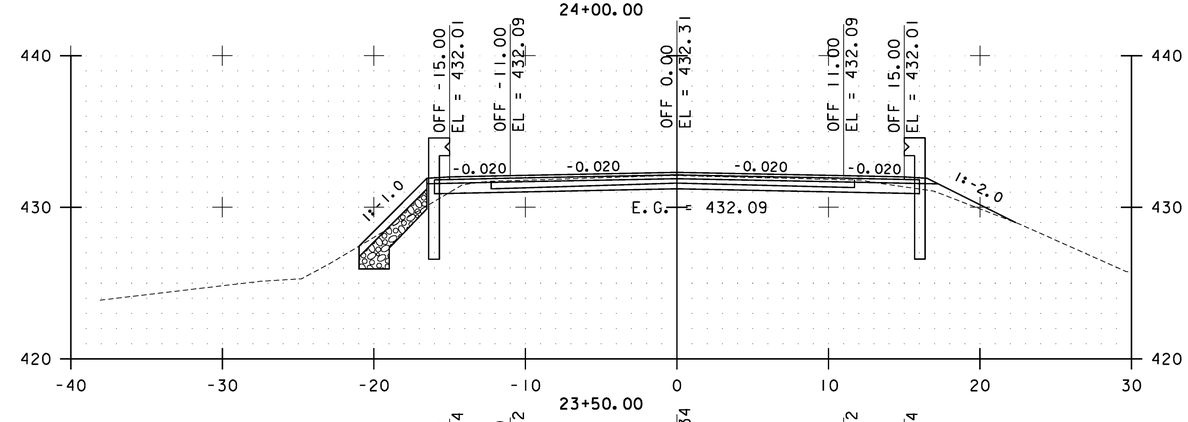
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs08.i

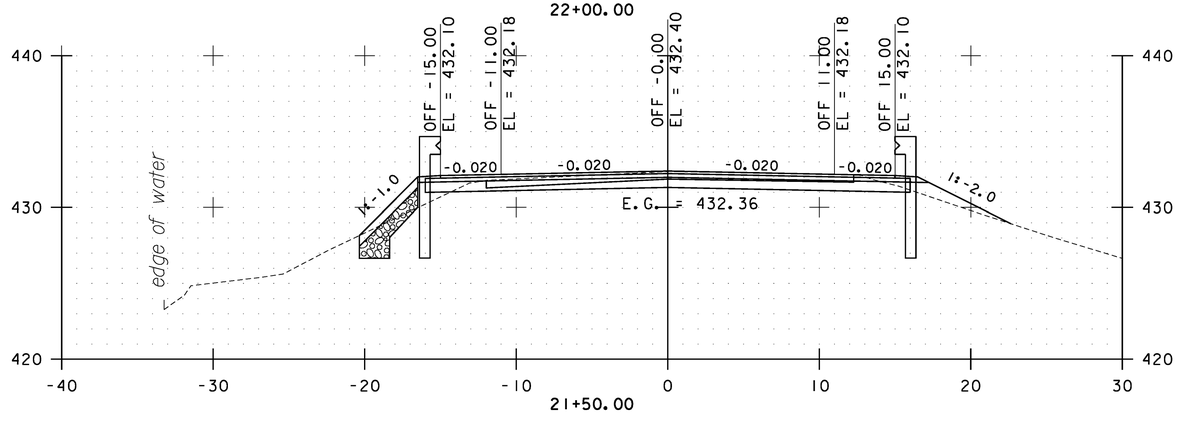
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 230 OF 387

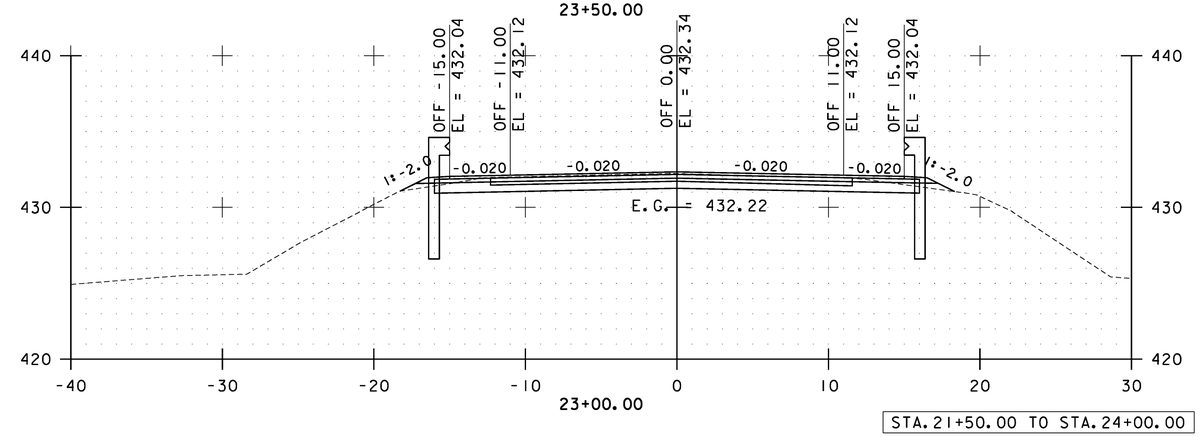












STA. 21+50.00 TO STA. 24+00.00

0 10 20
SCALE

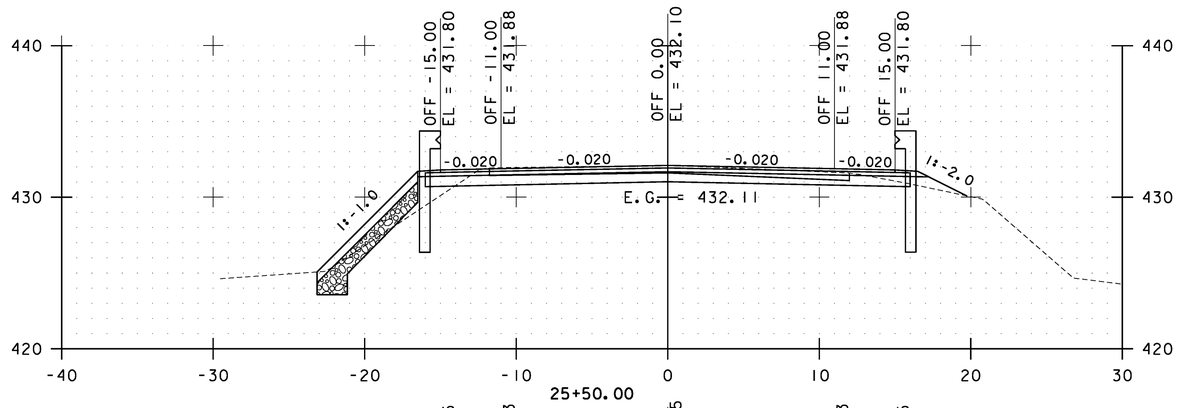
Stantec

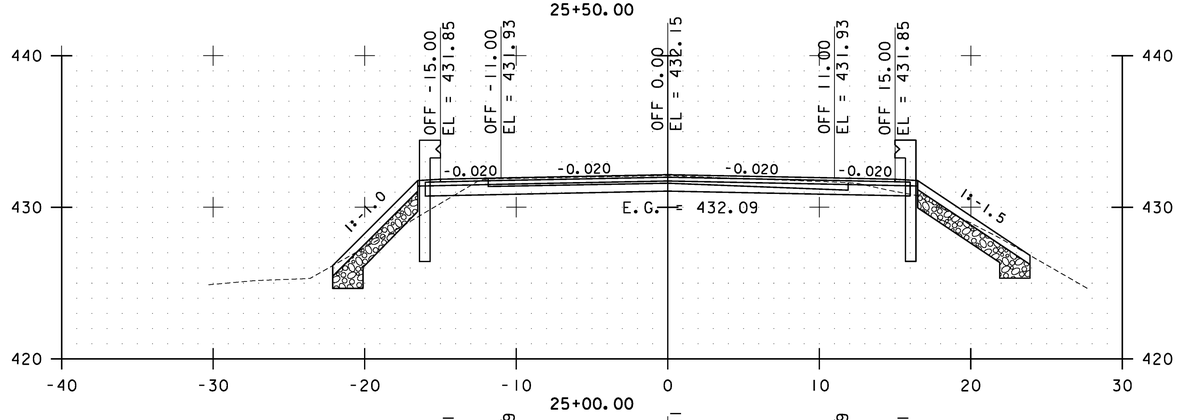
FLETCHER CROSS SECTIONS SHEET #9

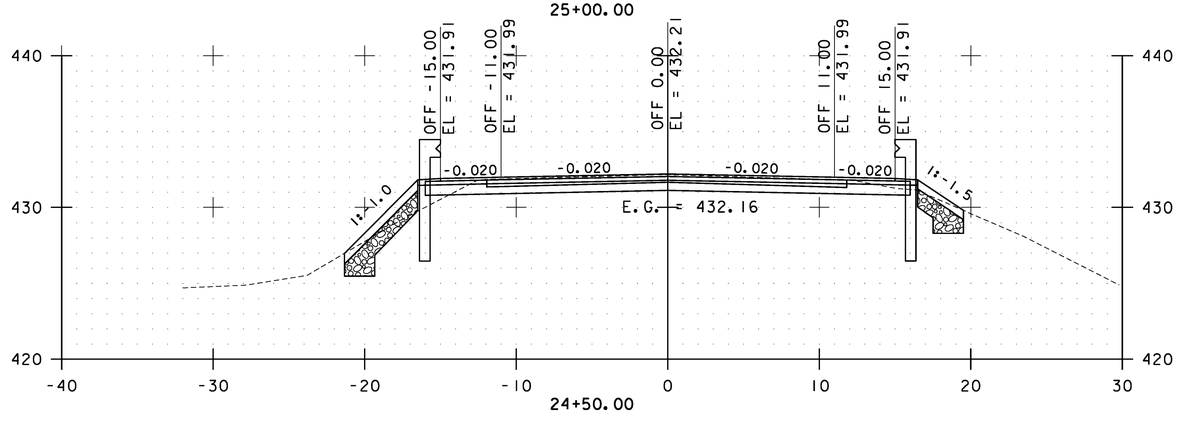
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

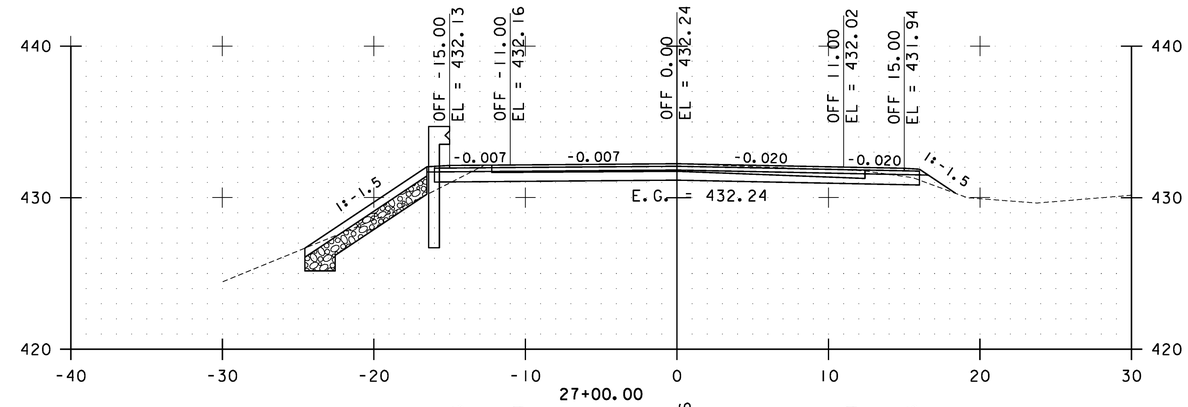
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs09.i

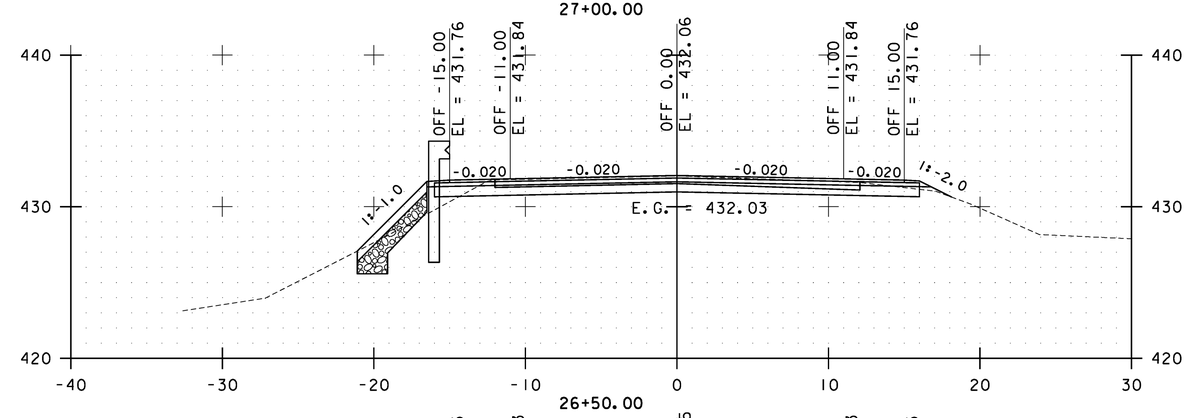
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 231 OF 387

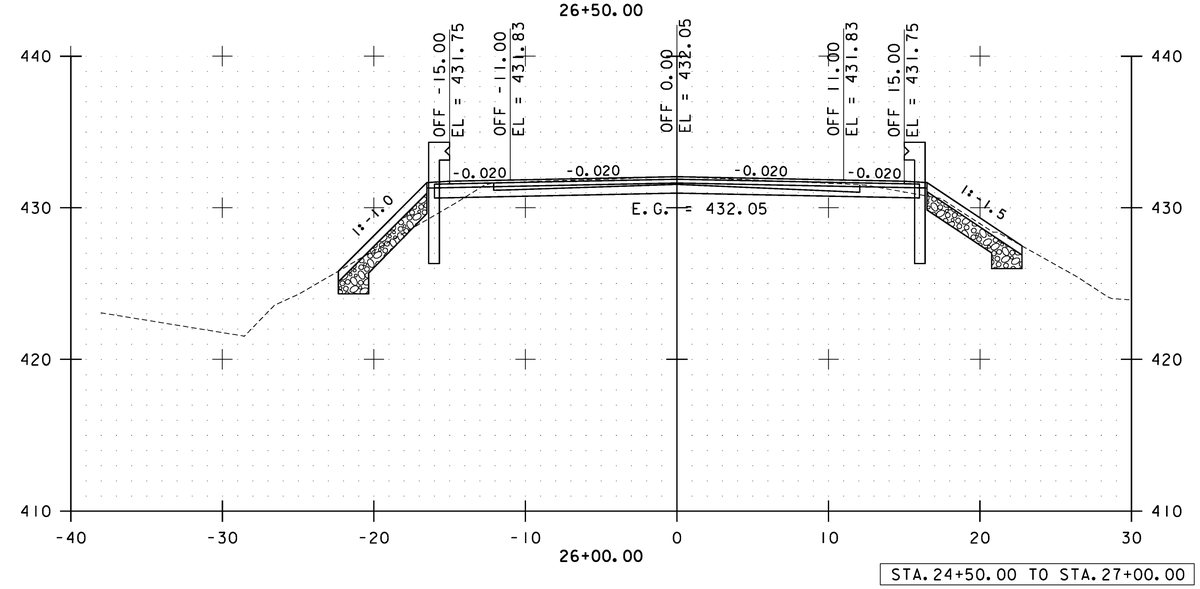












STA. 24+50.00 TO STA. 27+00.00

0 10 20
SCALE

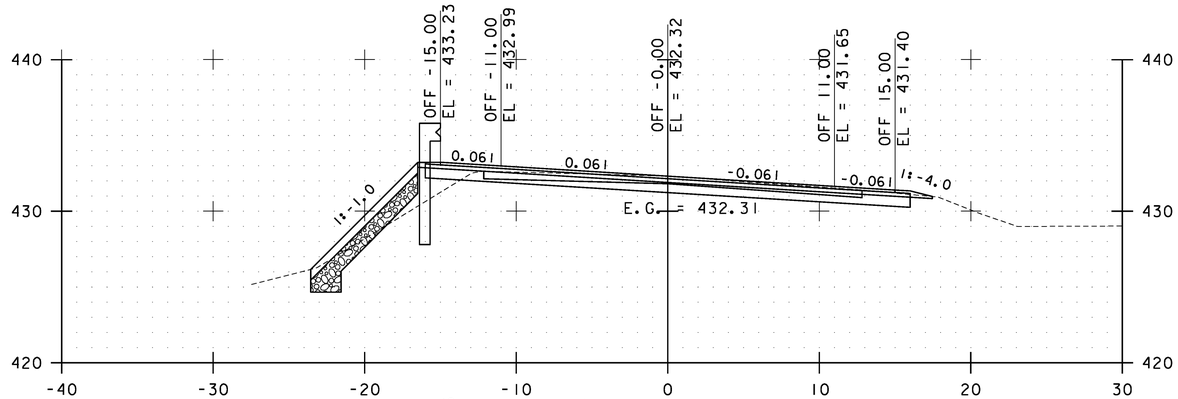
Stantec

FLETCHER CROSS SECTIONS SHEET #10

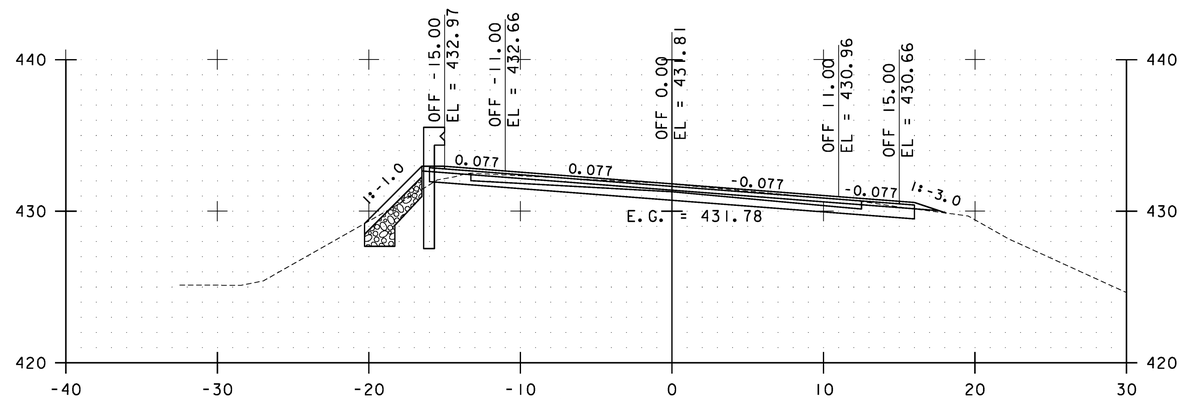
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs10.i

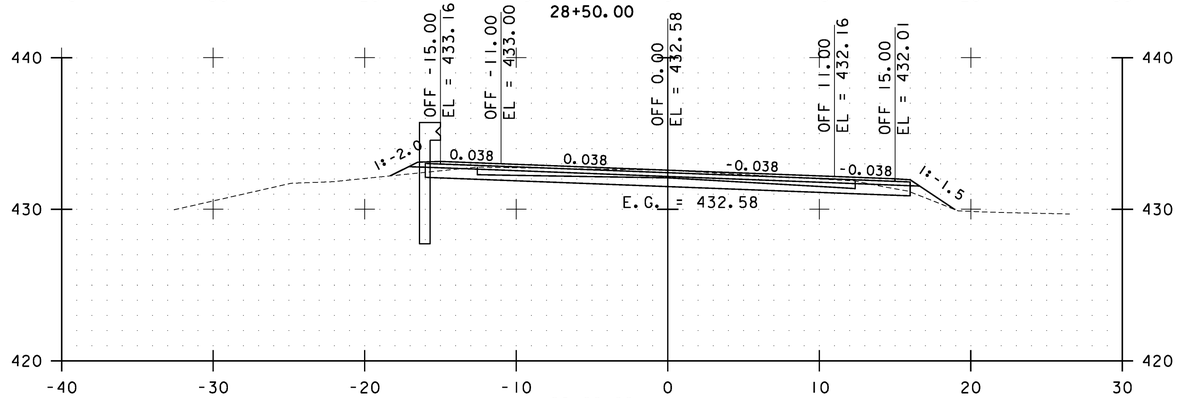
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 232 OF 387



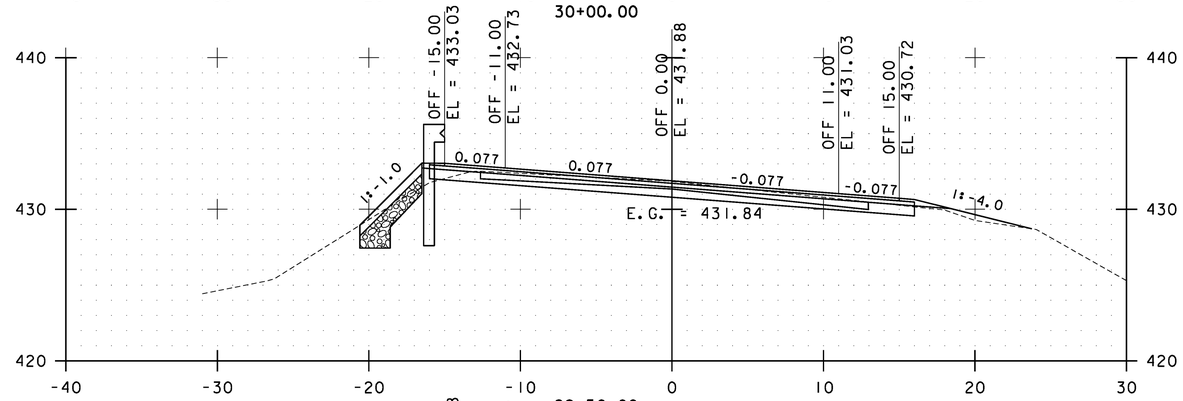
28+50.00



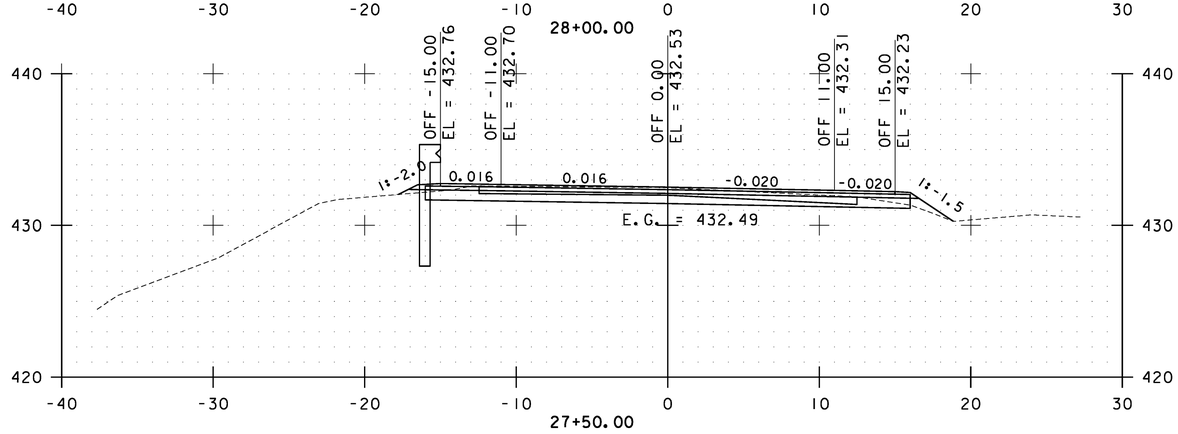
30+00.00



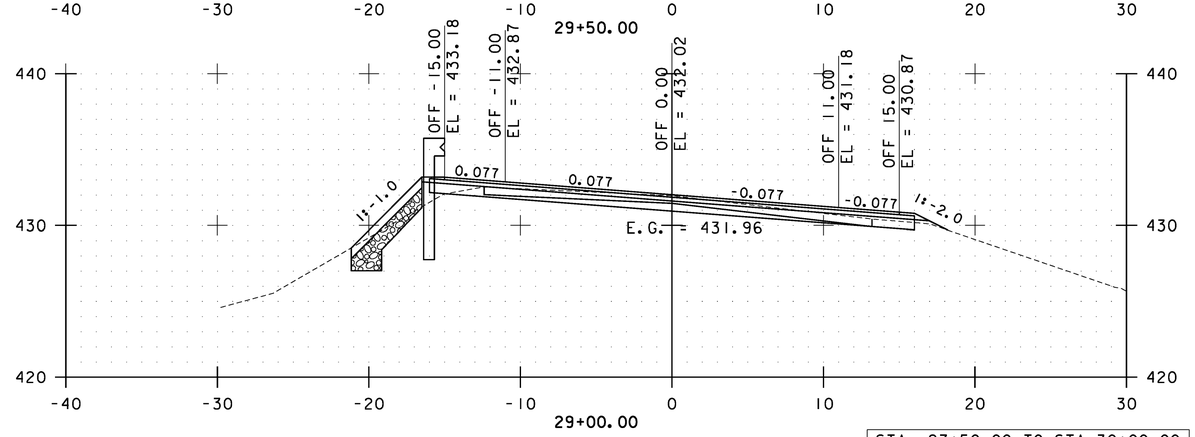
28+00.00



29+50.00



27+50.00



29+00.00

STA. 27+50.00 TO STA. 30+00.00

0 10 20
SCALE

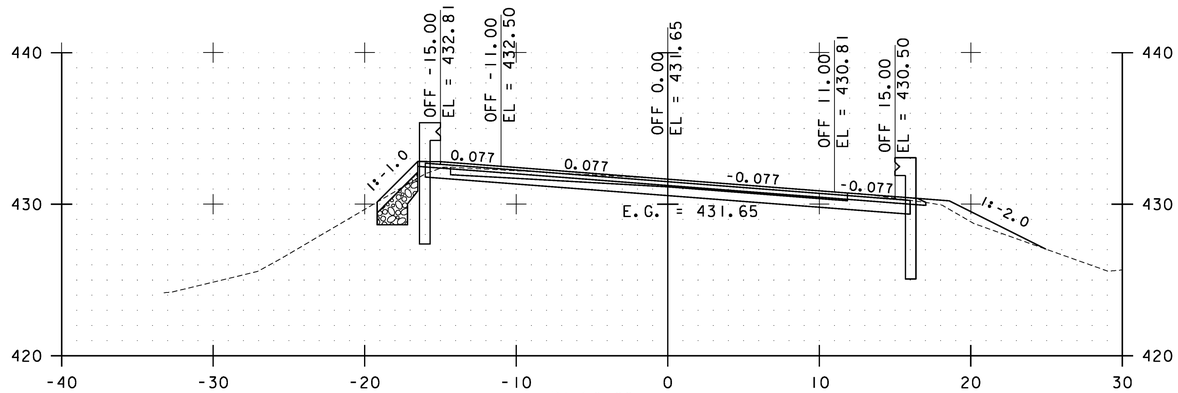
Stantec

FLETCHER CROSS SECTIONS SHEET #11

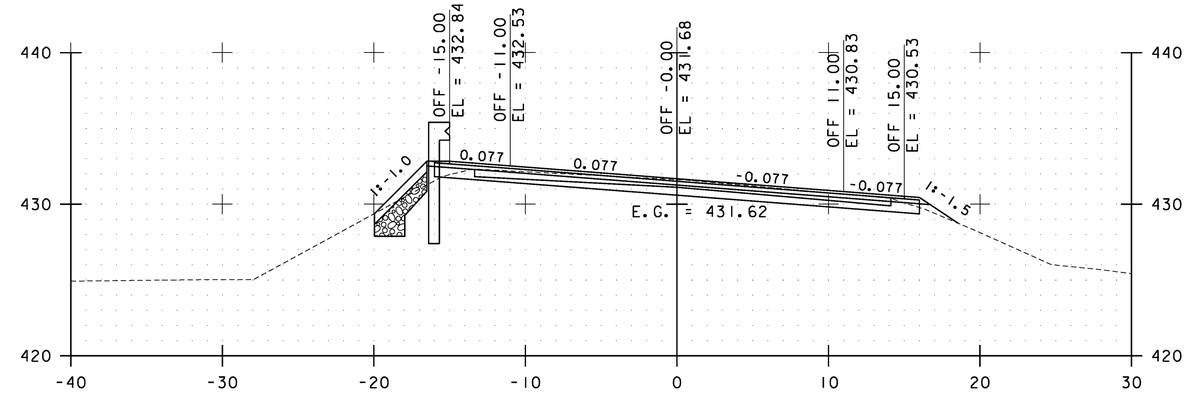
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs11.i

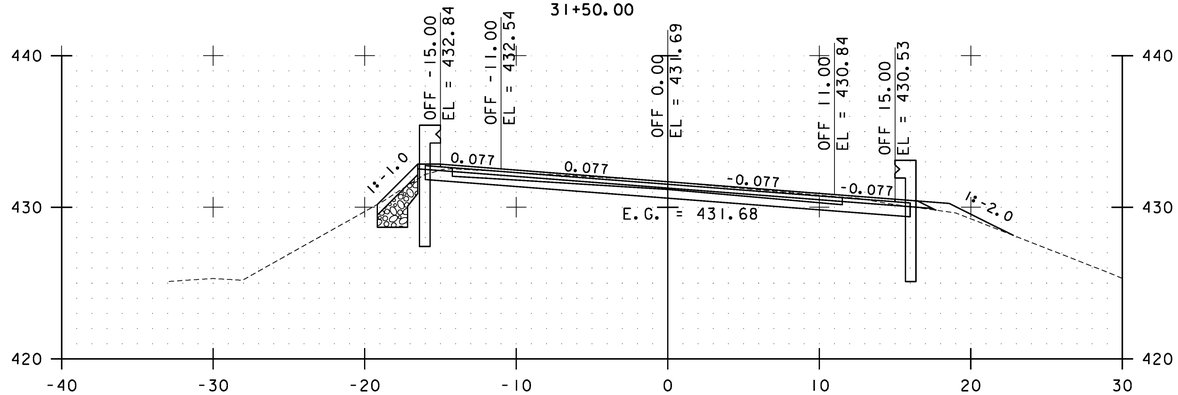
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 233 OF 387



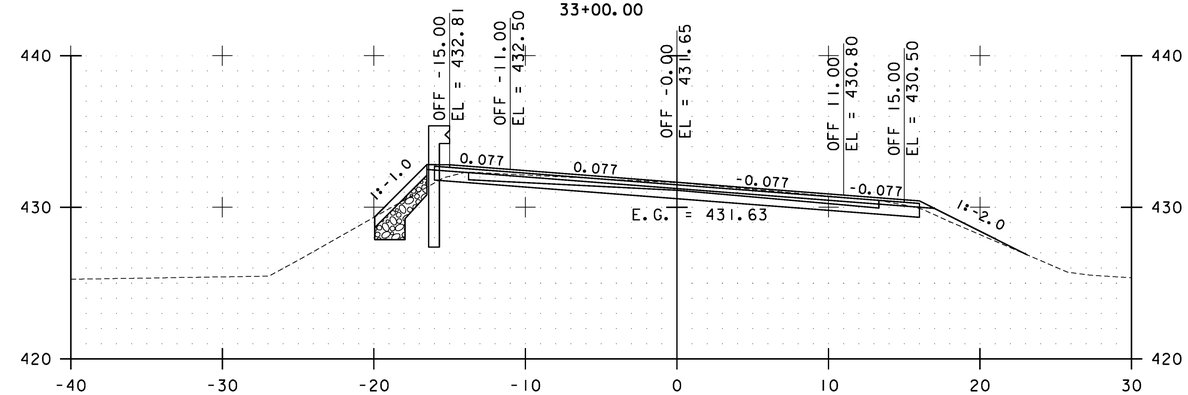
31+50.00



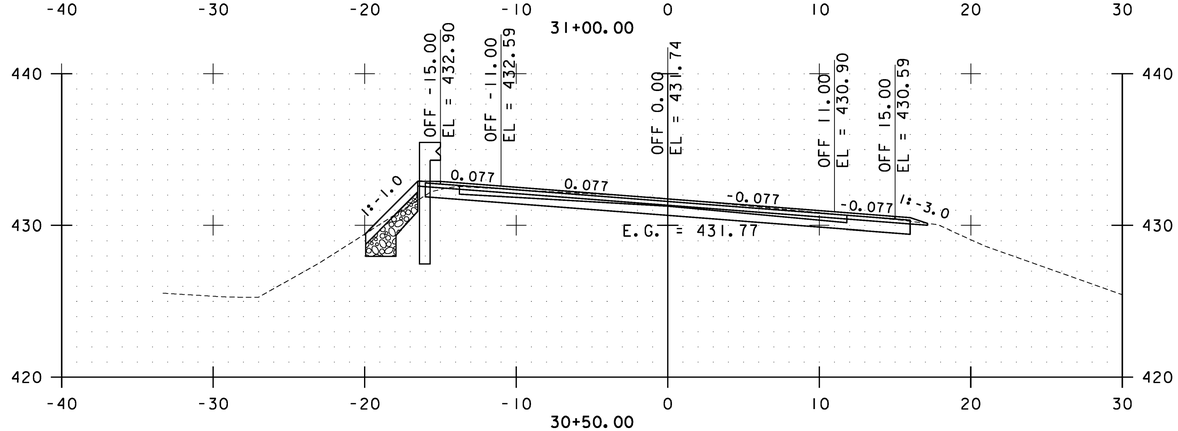
33+00.00



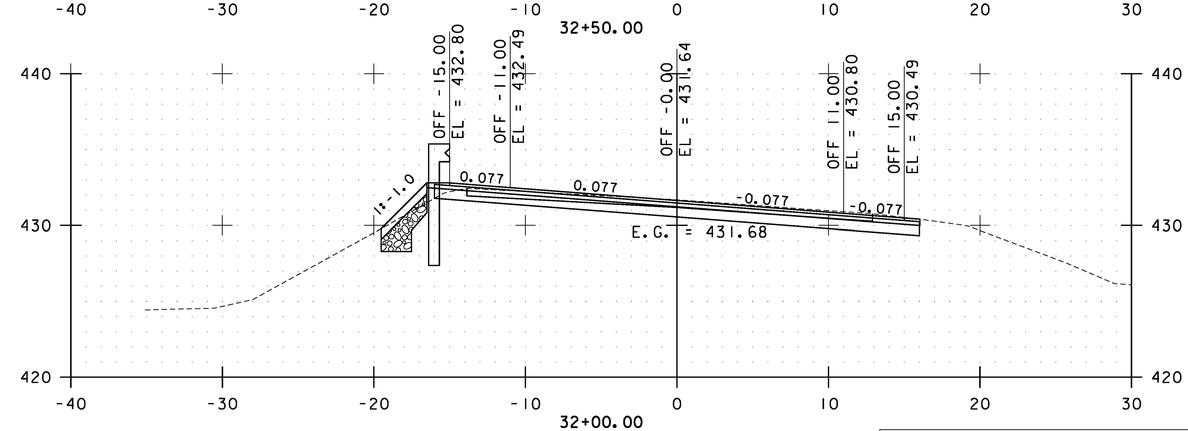
31+00.00



32+50.00



30+50.00



32+00.00

STA. 30+50.00 TO STA. 33+00.00

0 10 20
SCALE

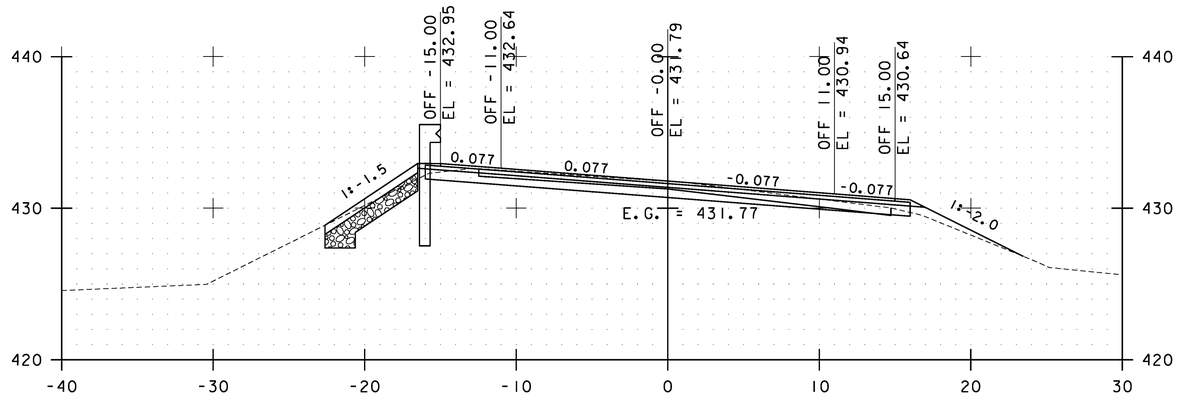
Stantec

FLETCHER CROSS SECTIONS SHEET #12

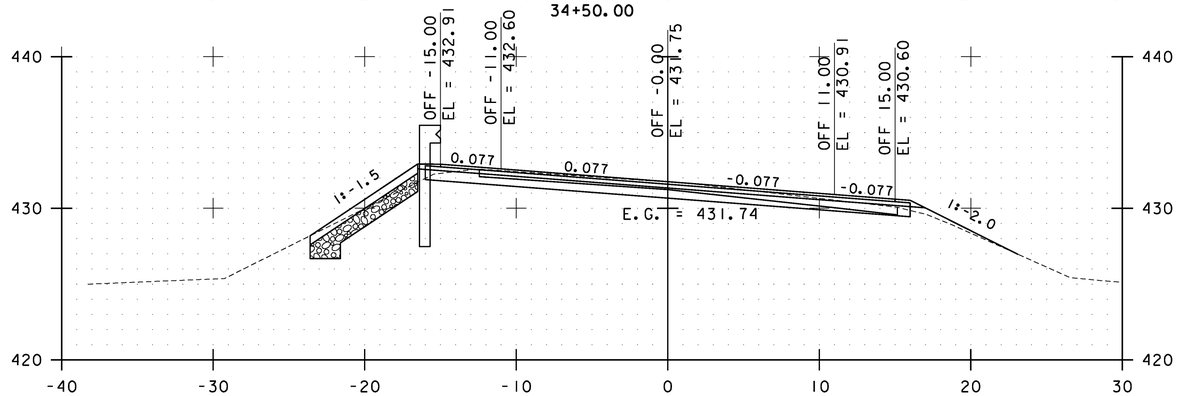
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs12.i

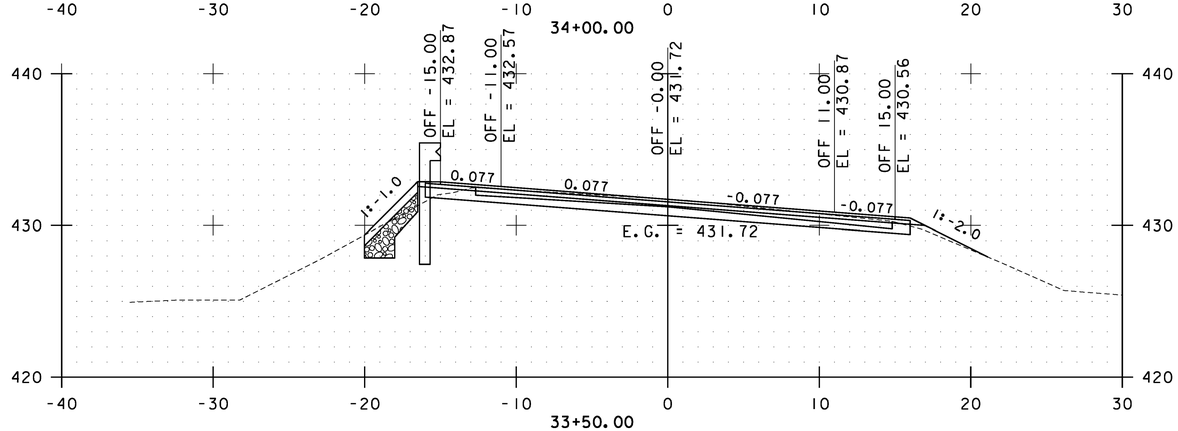
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 234 OF 387



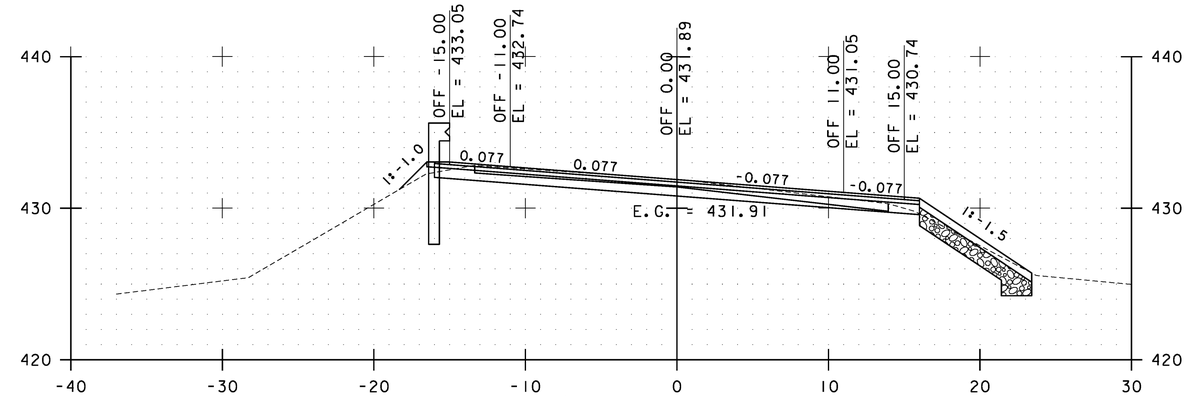
34+50.00



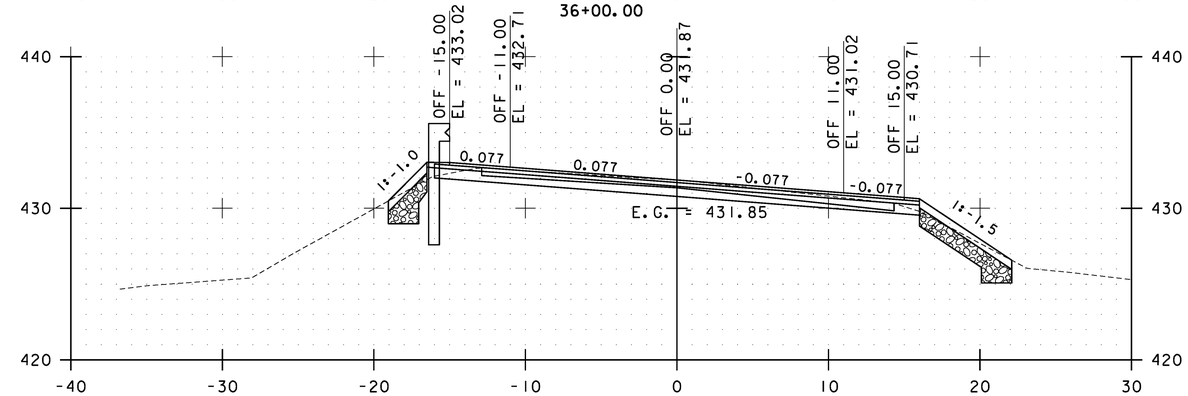
34+00.00



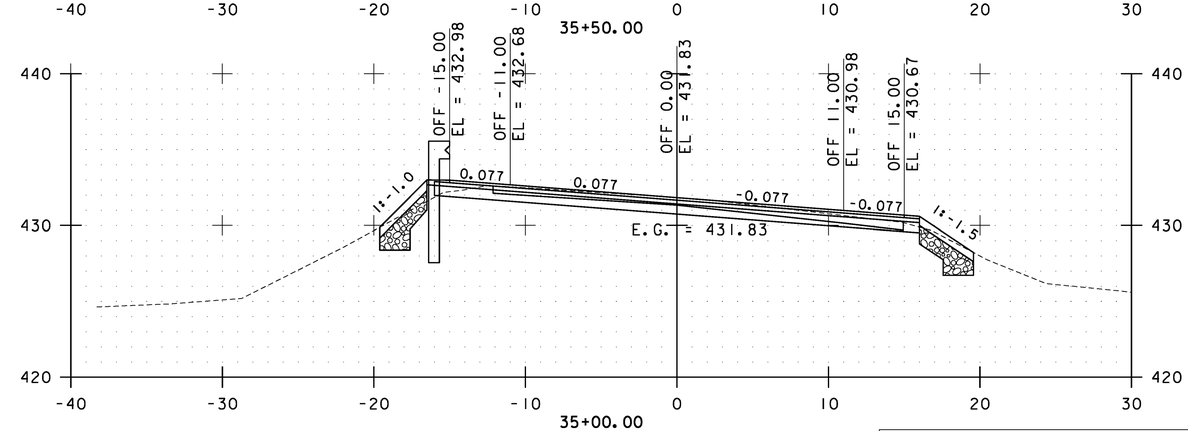
33+50.00



36+00.00



35+50.00



35+00.00

STA. 33+50.00 TO STA. 36+00.00

0 10 20
SCALE

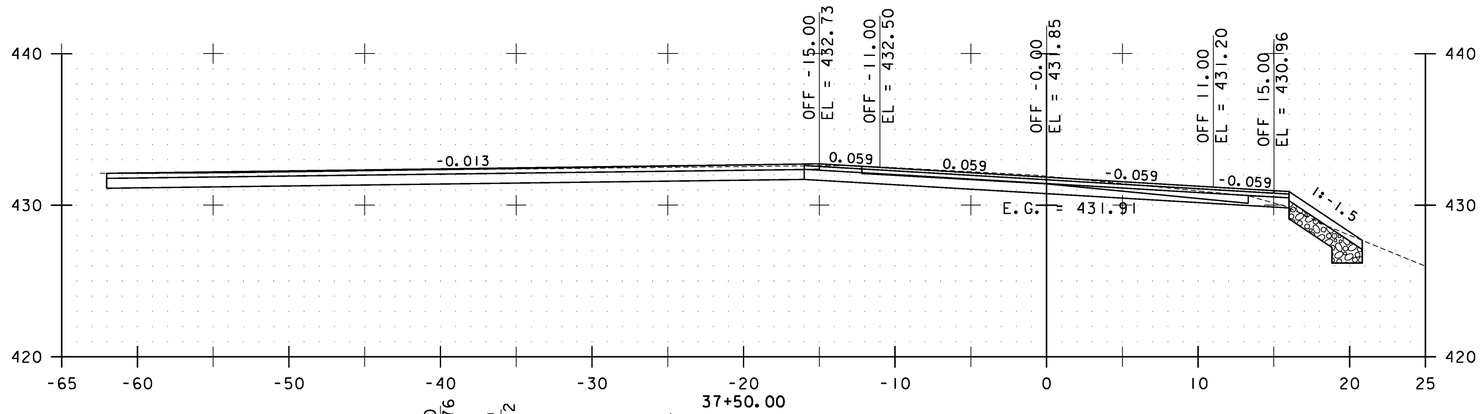
Stantec

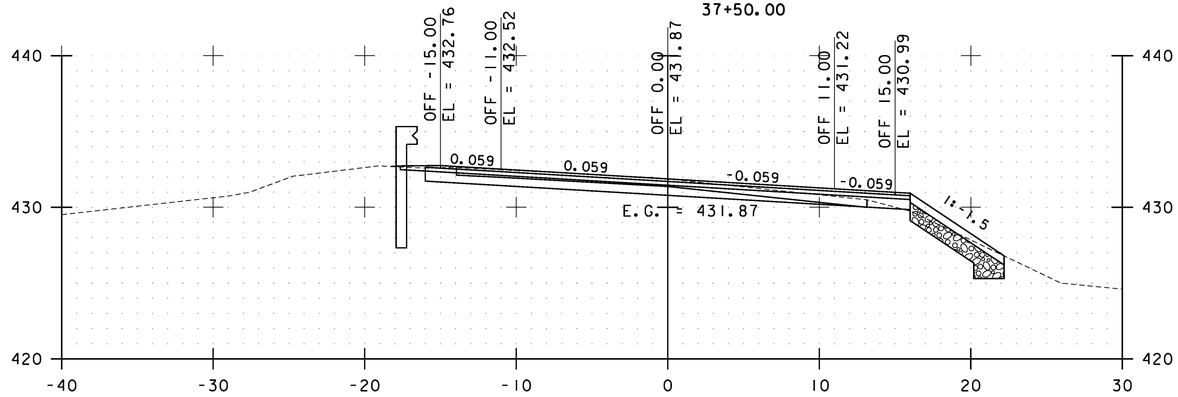
FLETCHER CROSS SECTIONS SHEET #13

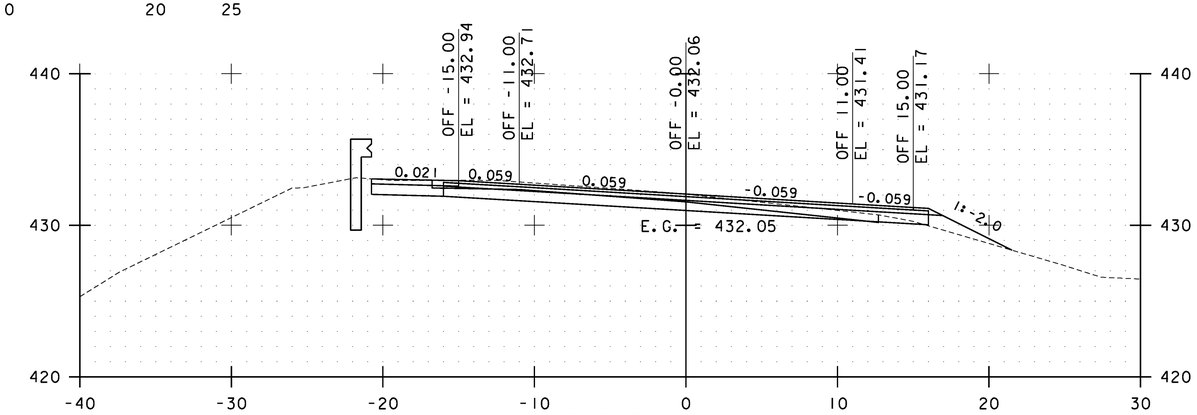
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

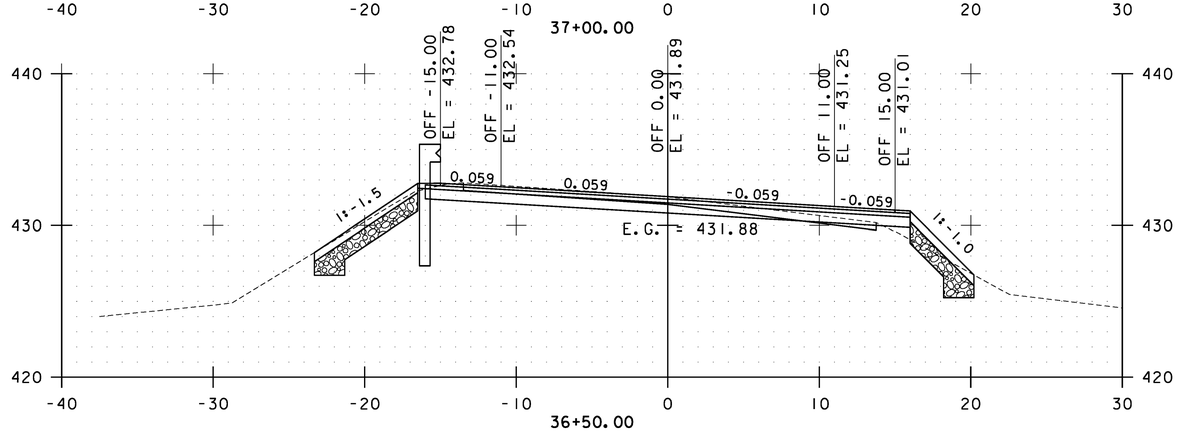
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs13.i

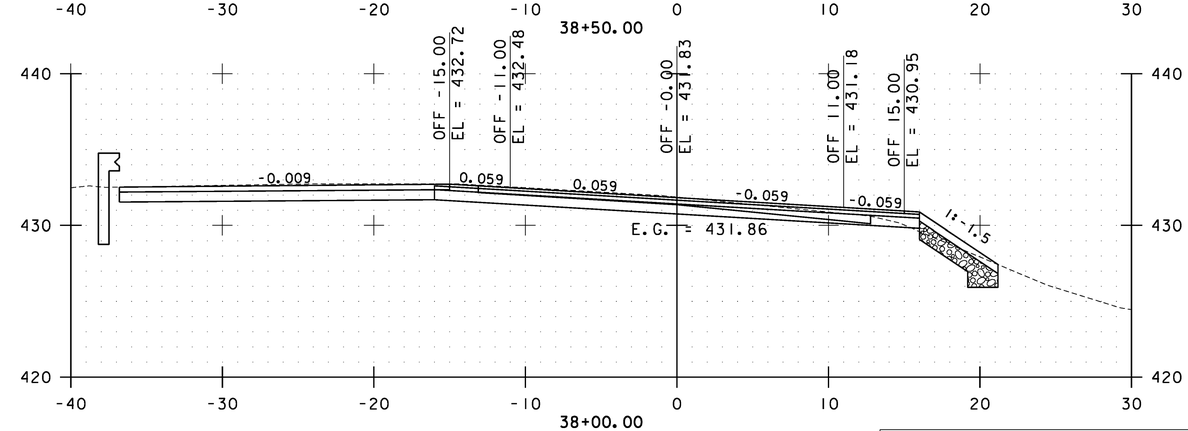
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 235 OF 387











STA. 36+50.00 TO STA. 38+50.00

0 10 20
SCALE

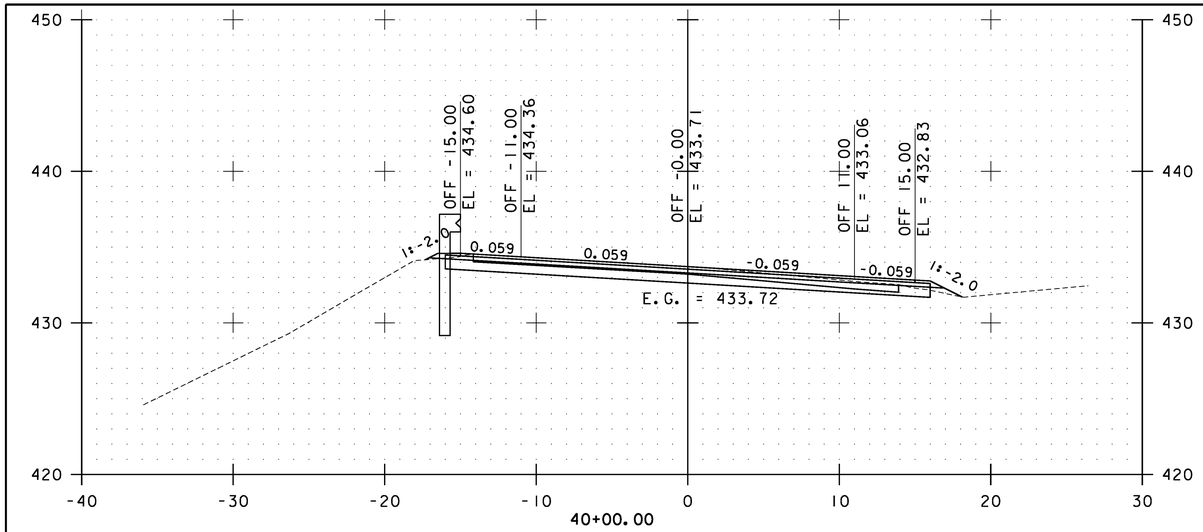
Stantec

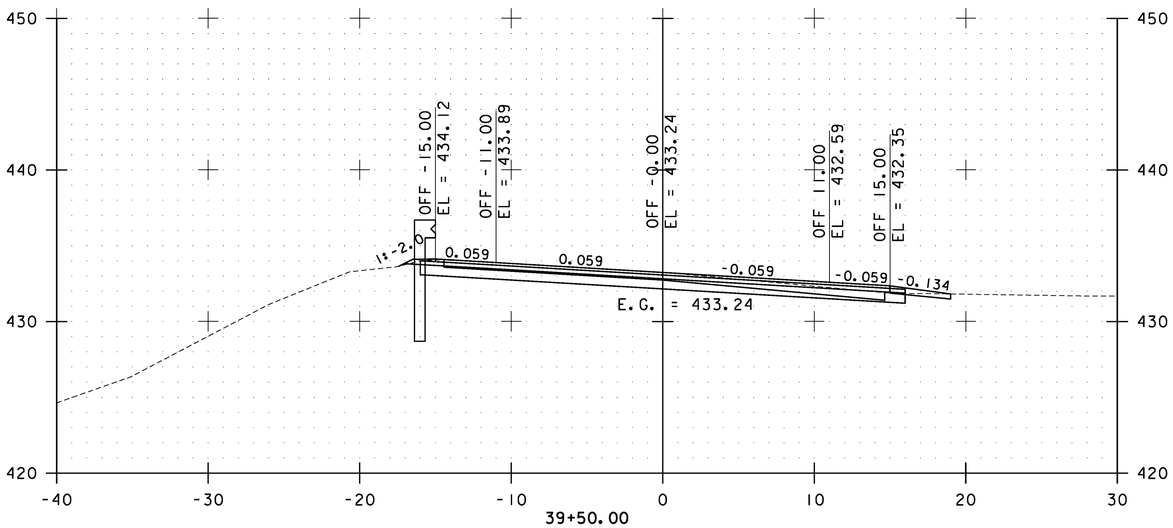
FLETCHER CROSS SECTIONS SHEET #14

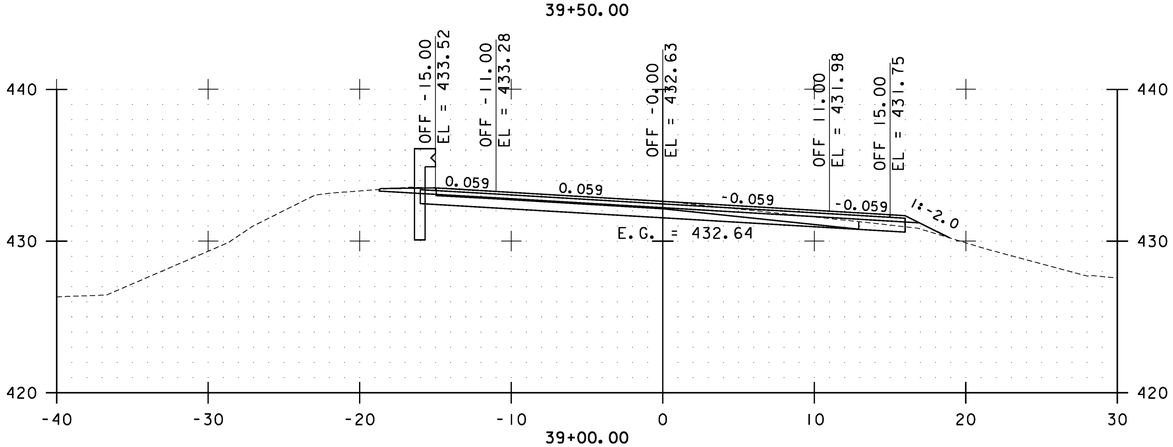
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

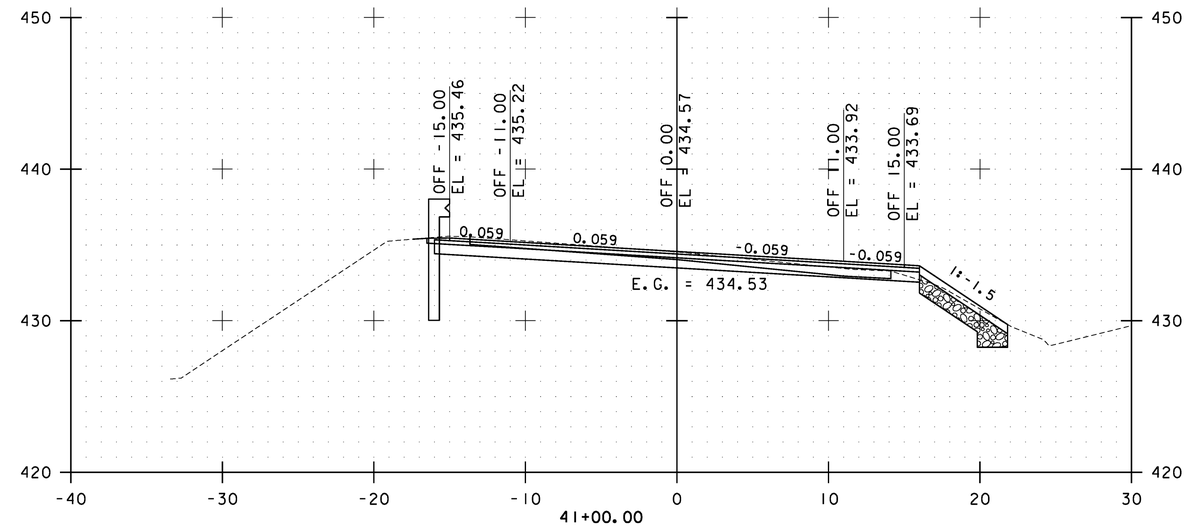
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs14.i

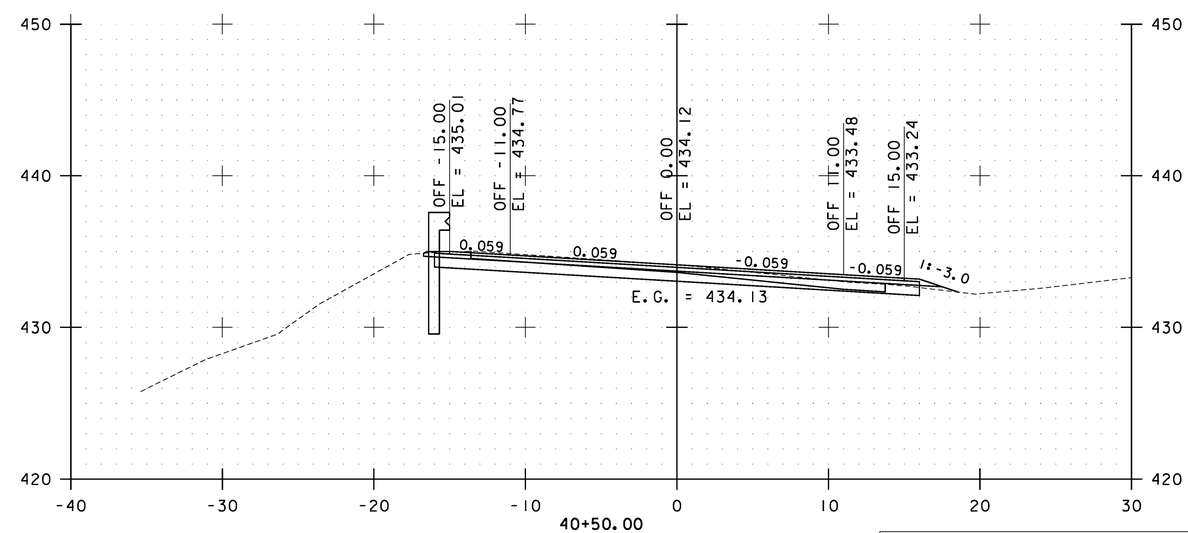
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 236 OF 387











STA. 39+00.00 TO STA. 41+00.00

0 10 20
SCALE

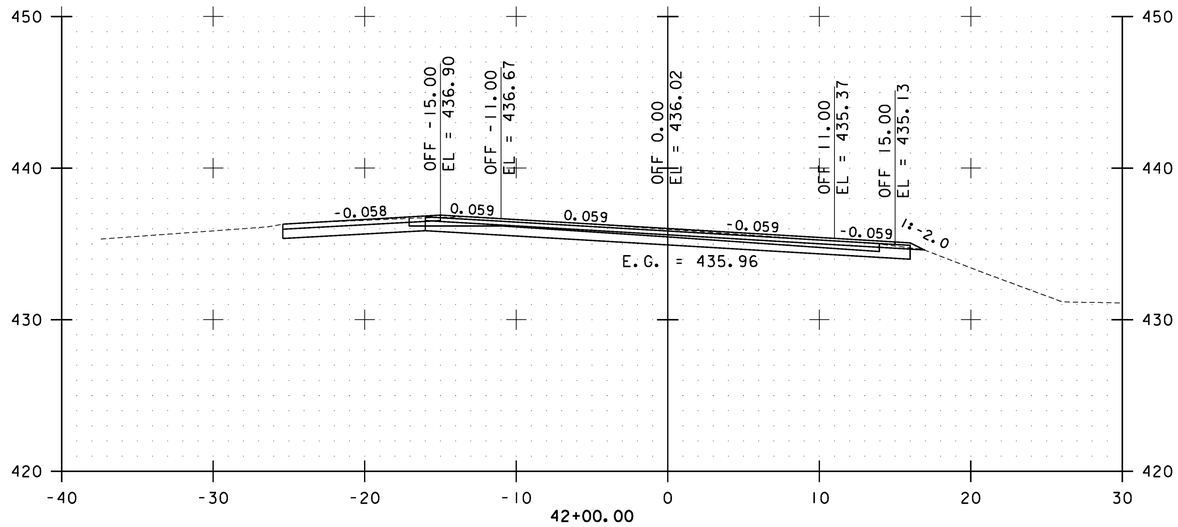
Stantec

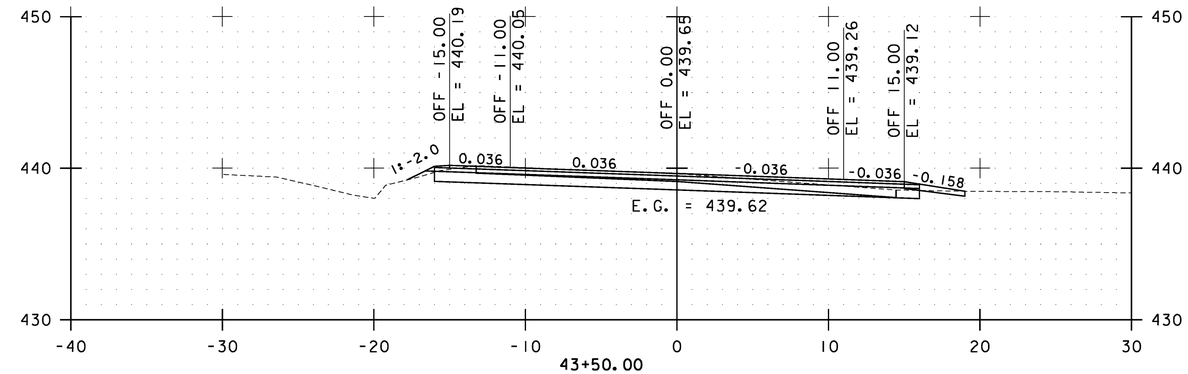
FLETCHER CROSS SECTIONS SHEET #15

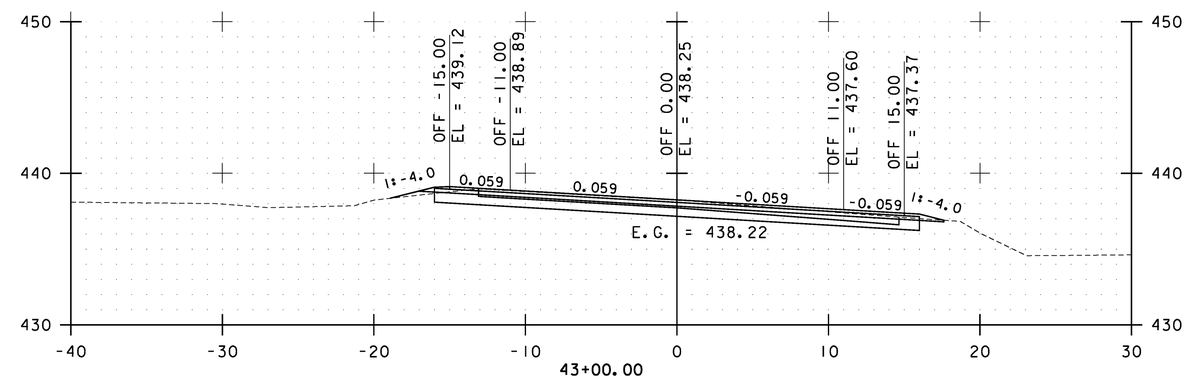
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

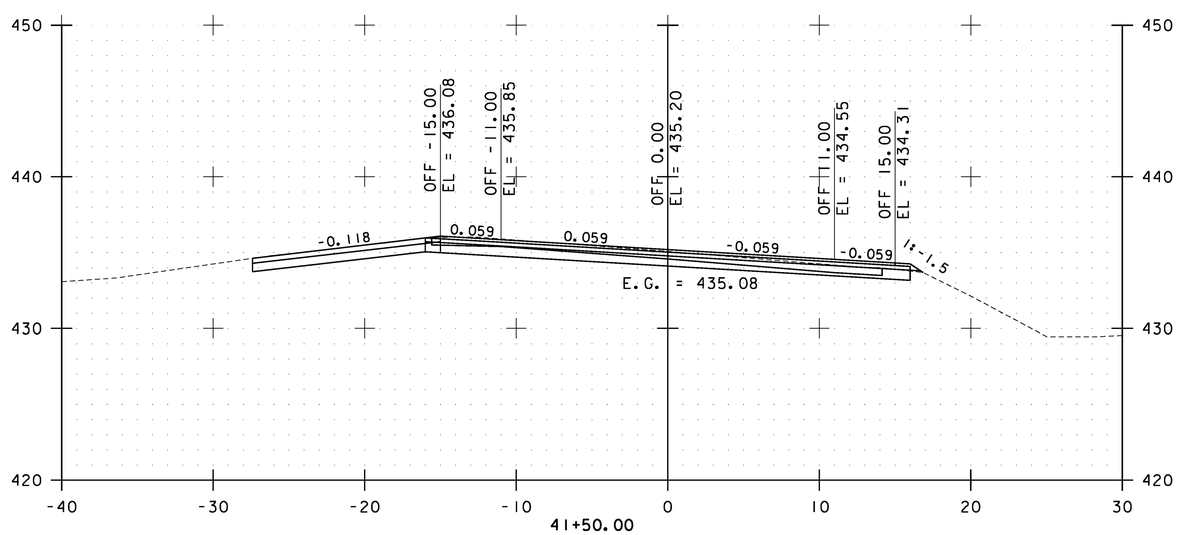
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs15.i

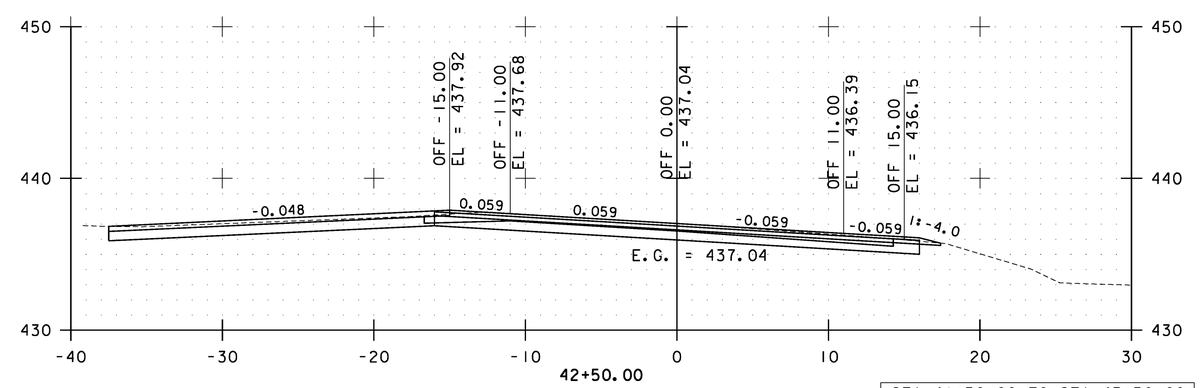
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 237 OF 387











STA. 41+50.00 TO STA. 43+50.00

0 10 20
SCALE

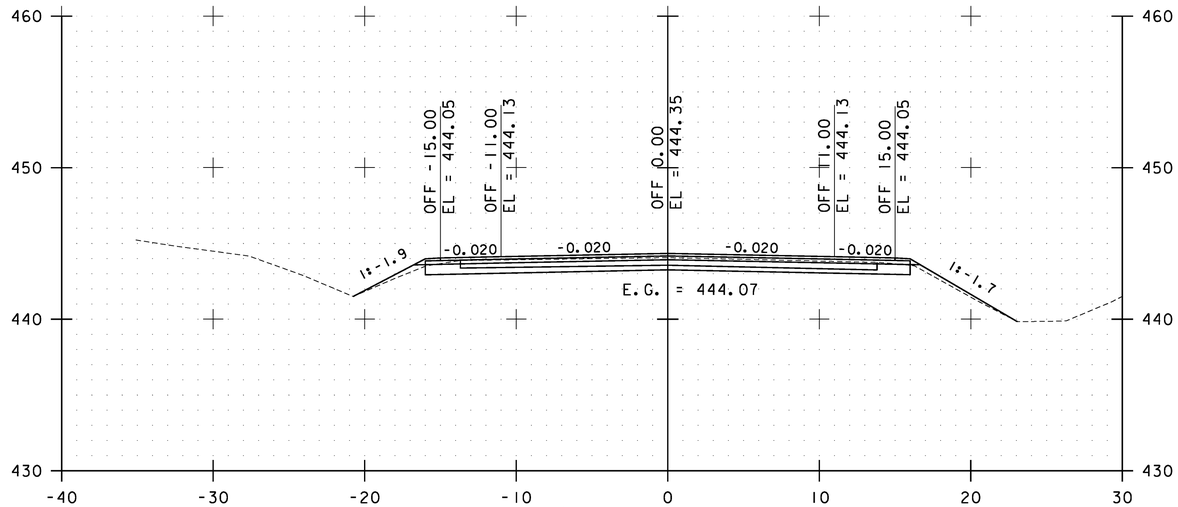
Stantec

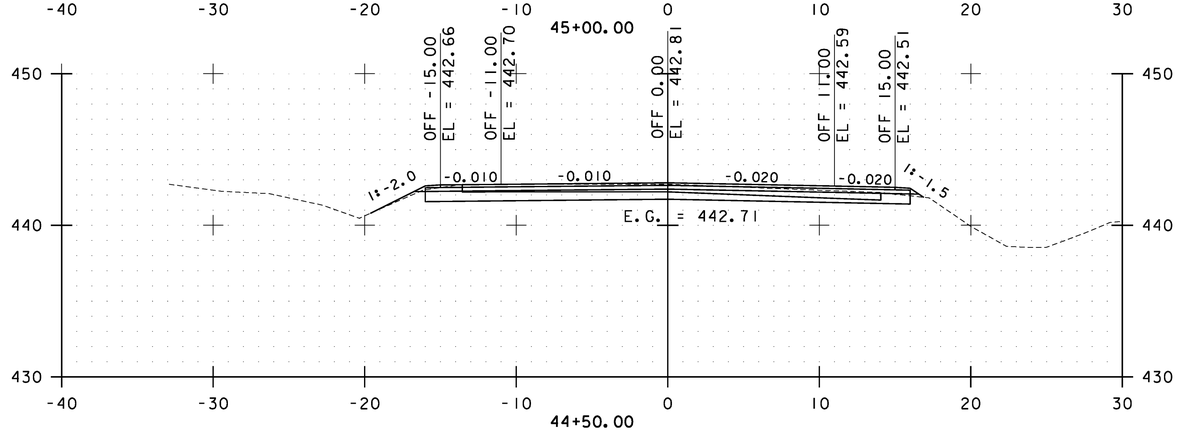
FLETCHER CROSS SECTIONS SHEET #16

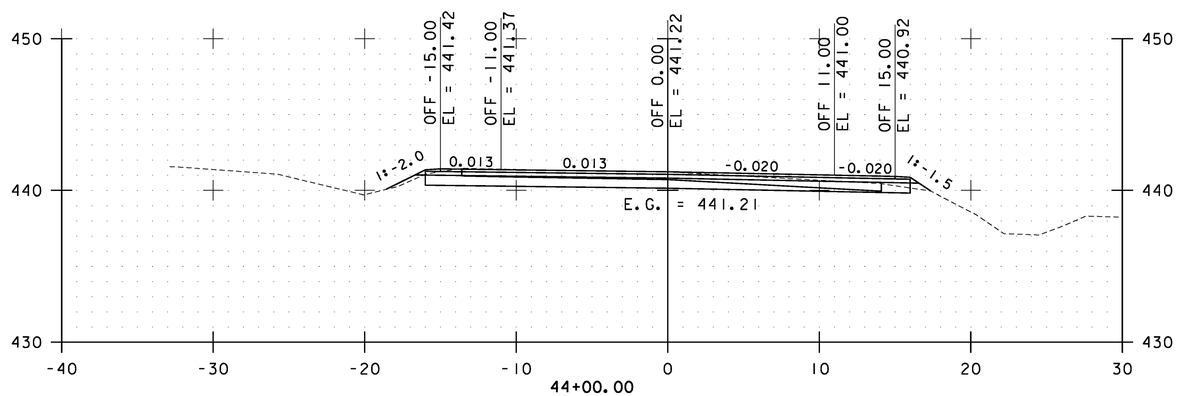
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

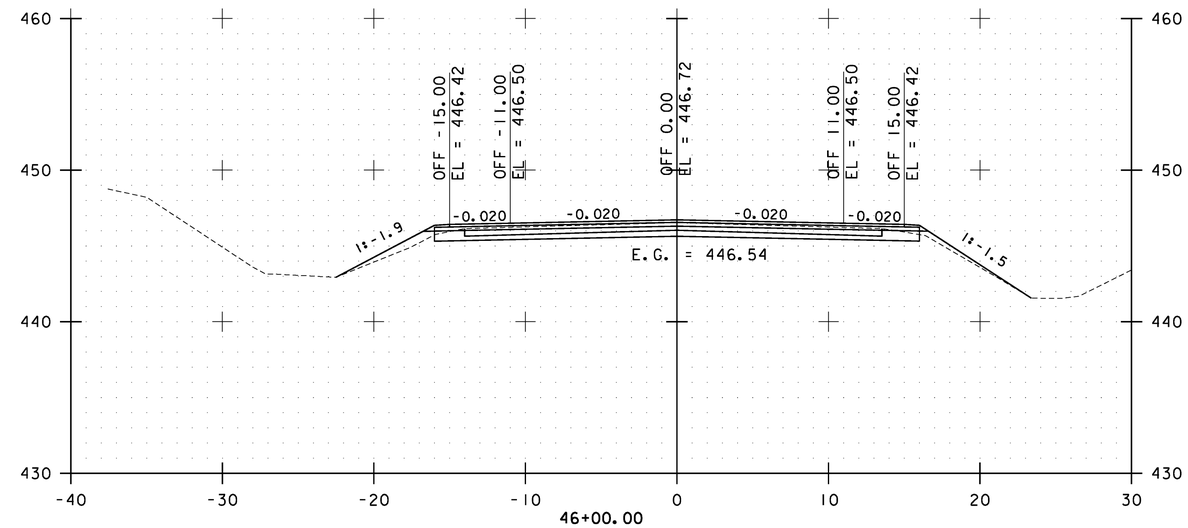
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs16.i

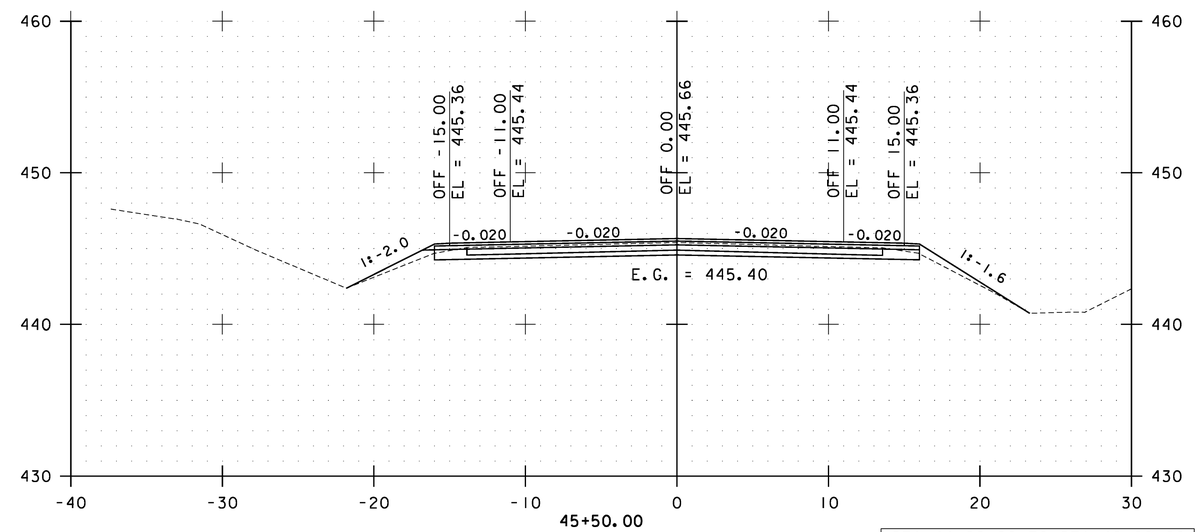
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 238 OF 387











STA. 44+00.00 TO STA. 46+00.00

0 10 20
SCALE

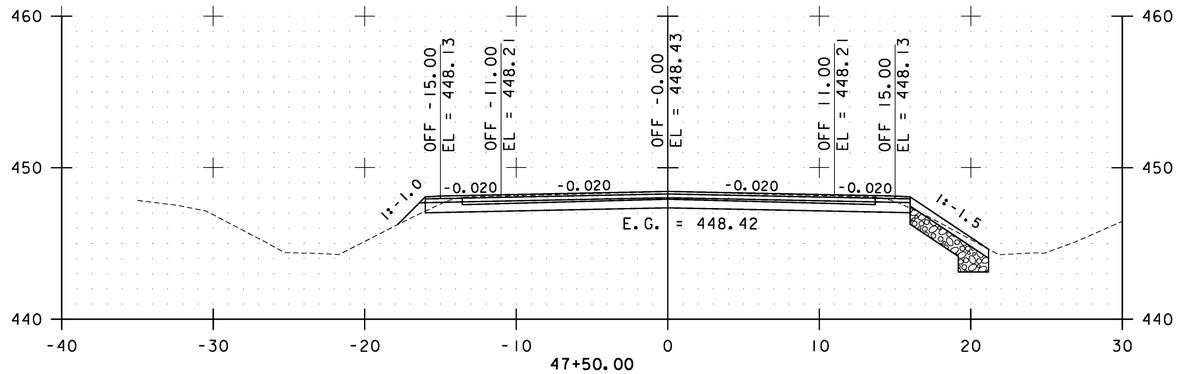
Stantec

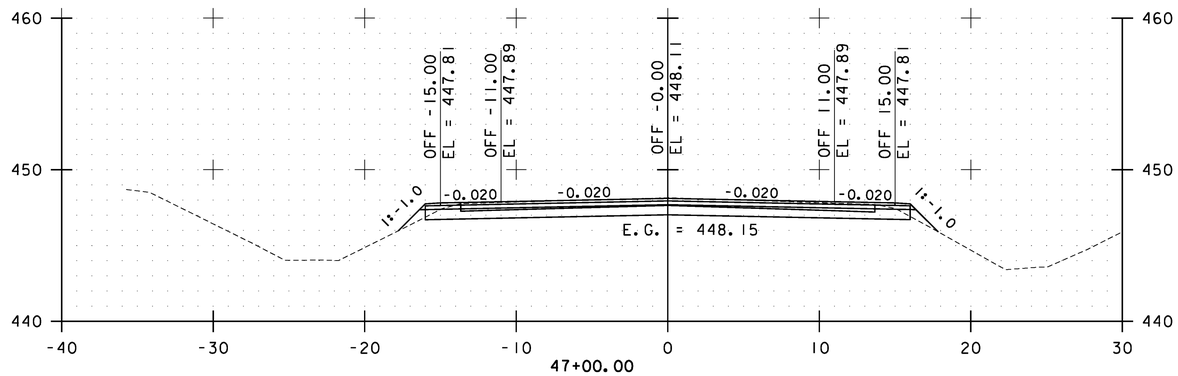
FLETCHER CROSS SECTIONS SHEET #17

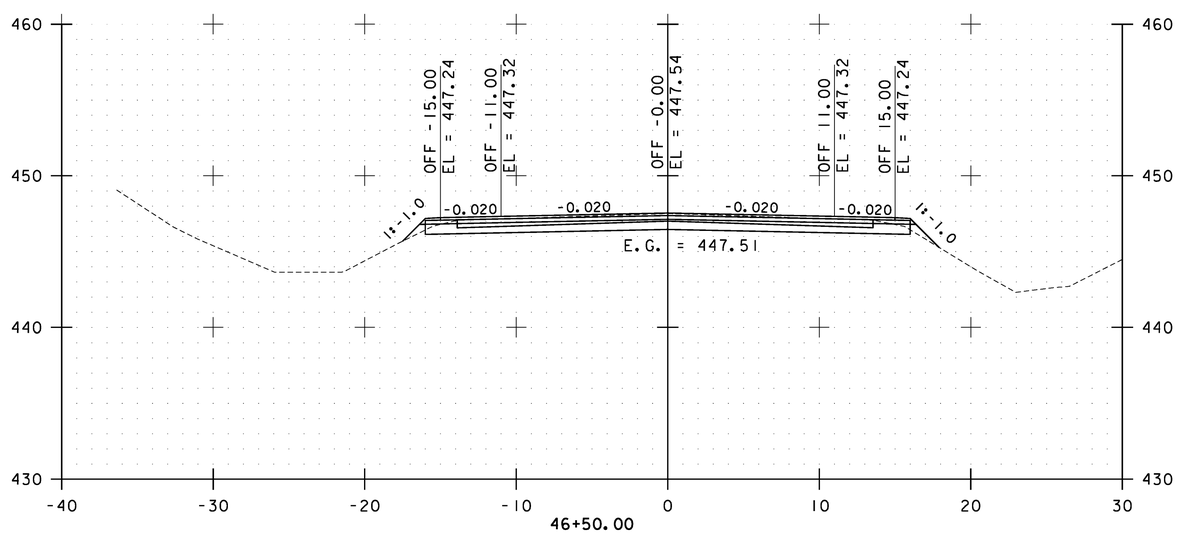
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

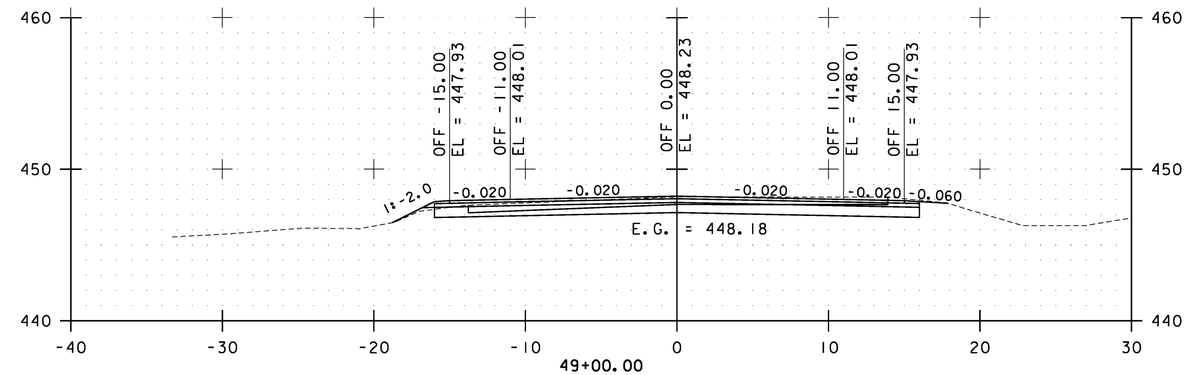
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs17.i

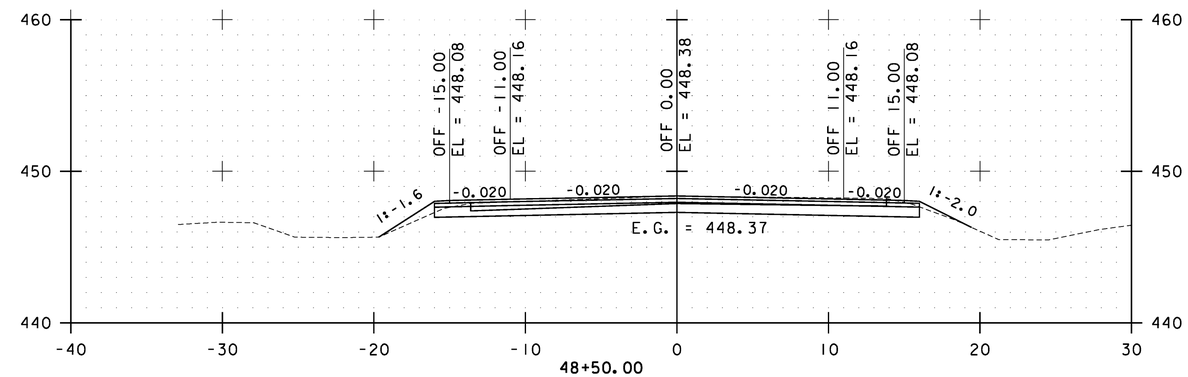
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 239 OF 387

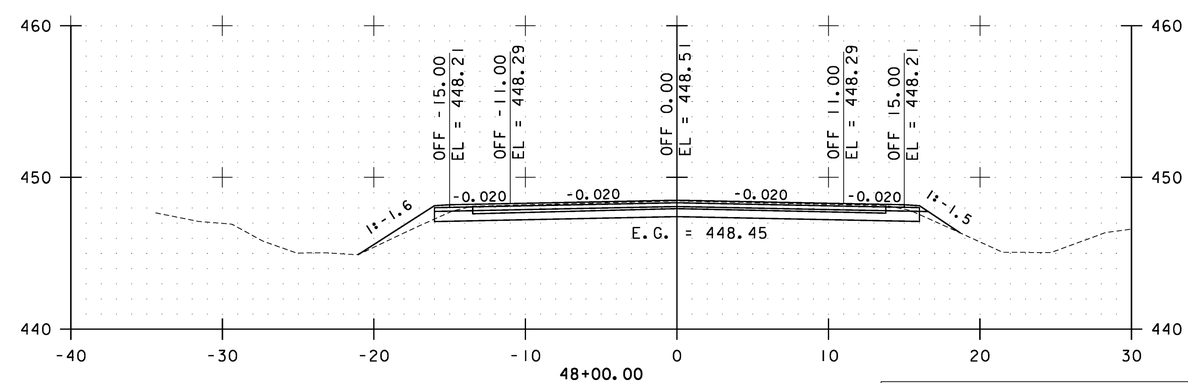












STA. 46+50.00 TO STA. 49+00.00

0 10 20
SCALE

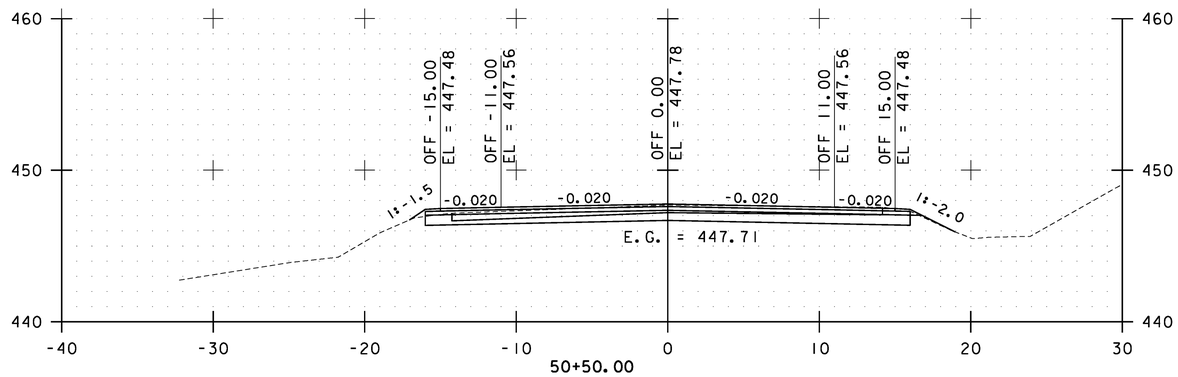
Stantec

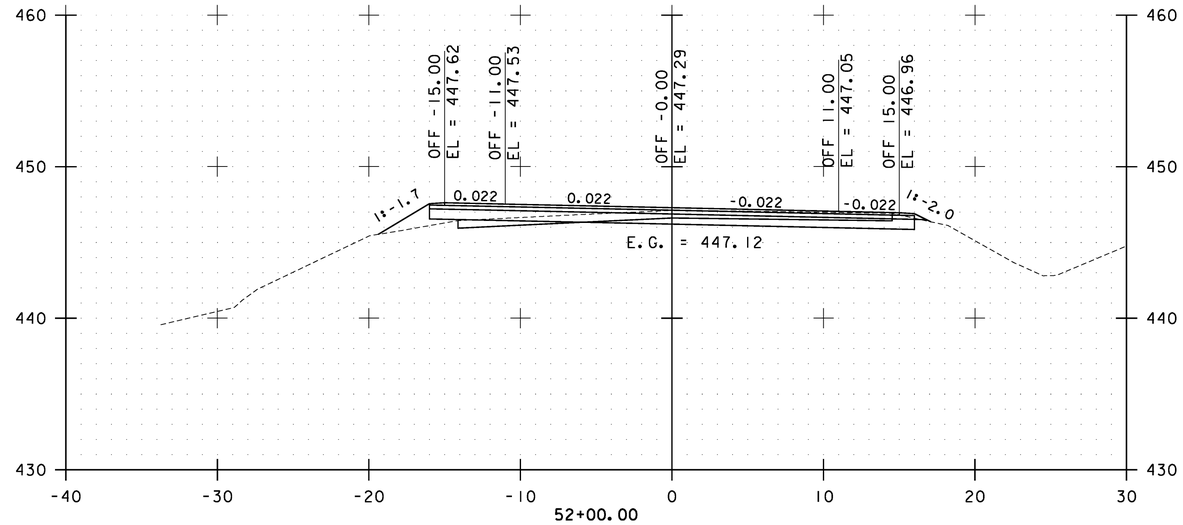
FLETCHER CROSS SECTIONS SHEET #18

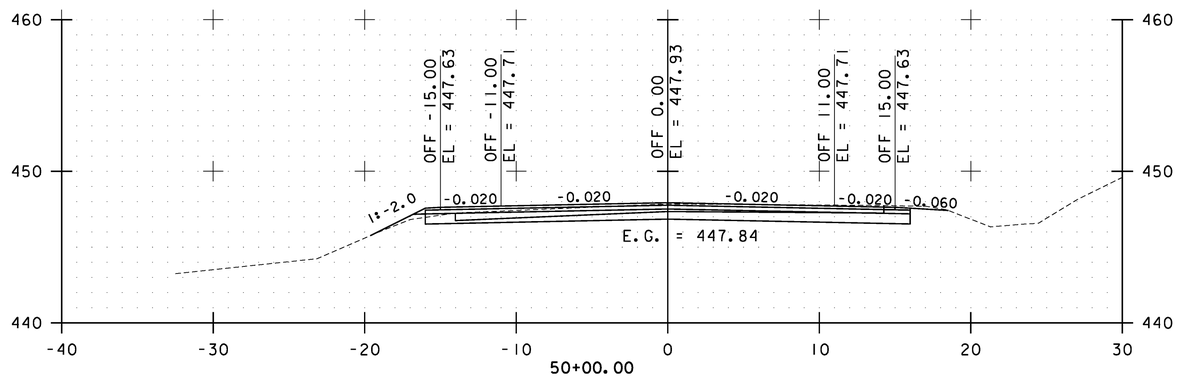
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

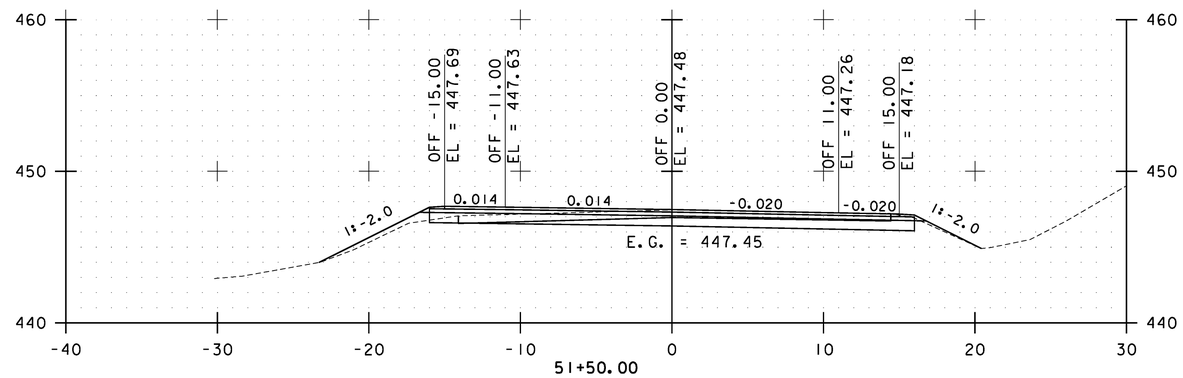
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs18.i

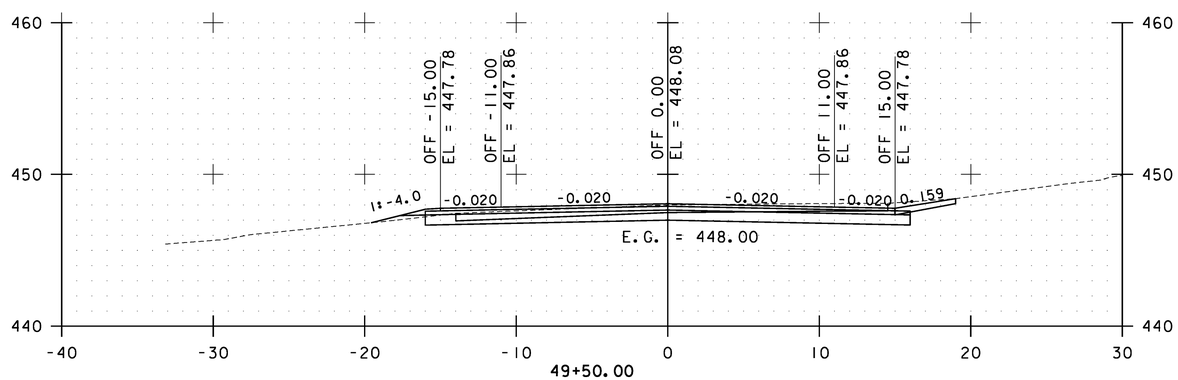
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 240 OF 387

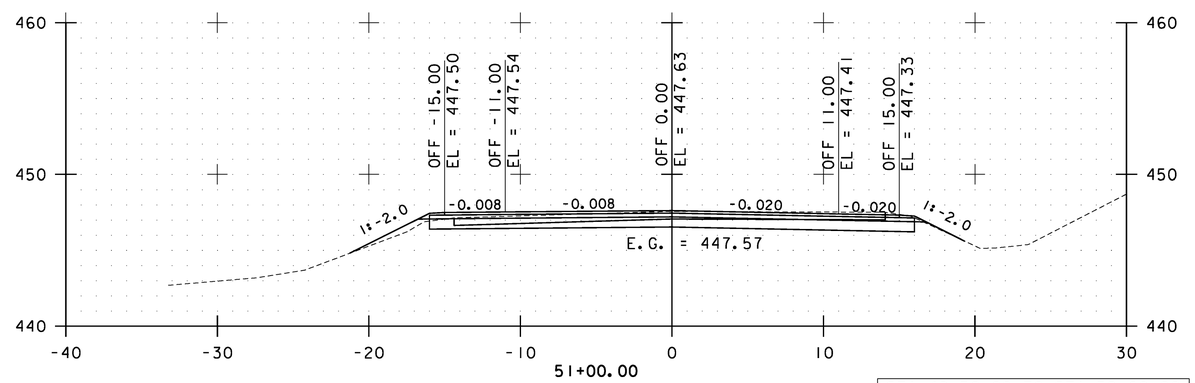












STA. 49+50.00 TO STA. 52+00.00

0 10 20
SCALE

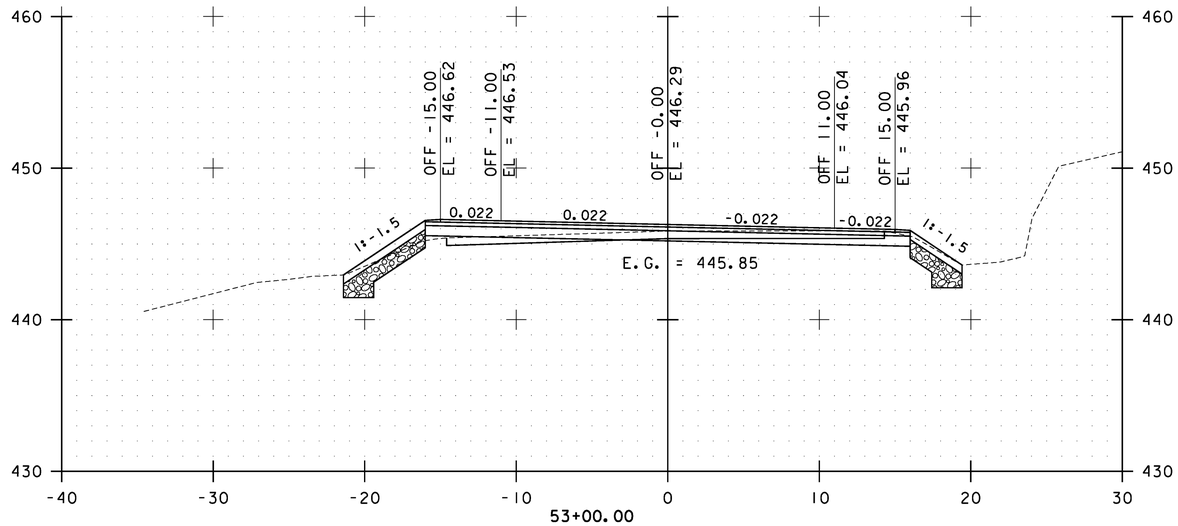
Stantec

FLETCHER CROSS SECTIONS SHEET #19

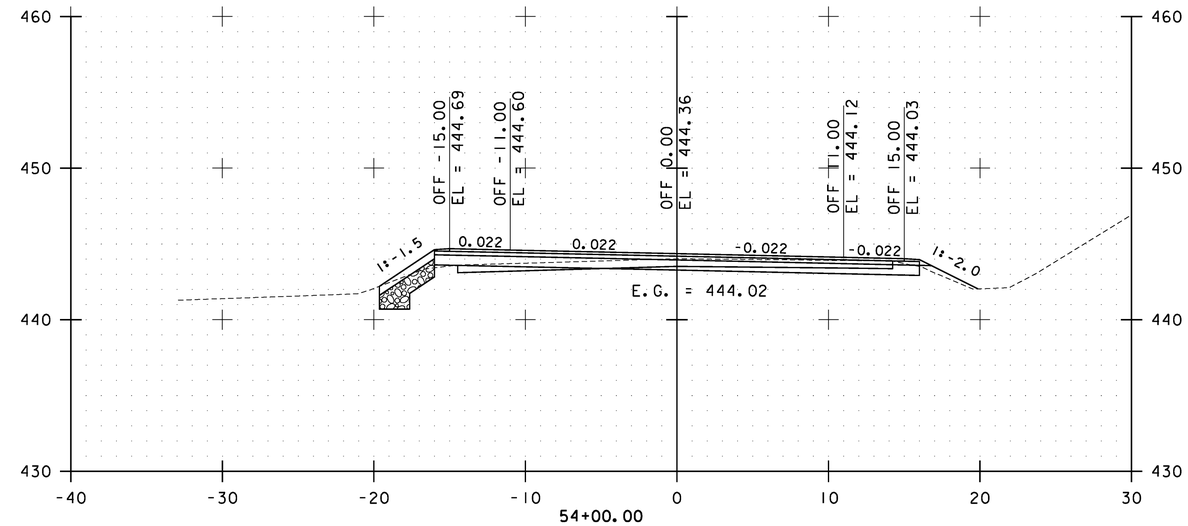
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs19.i

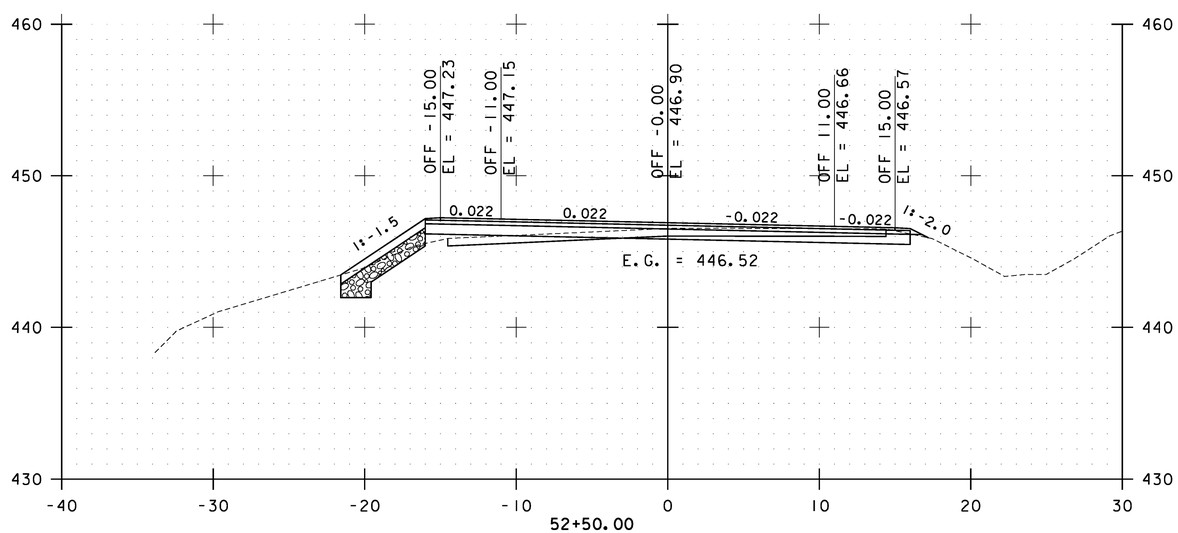
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 241 OF 387



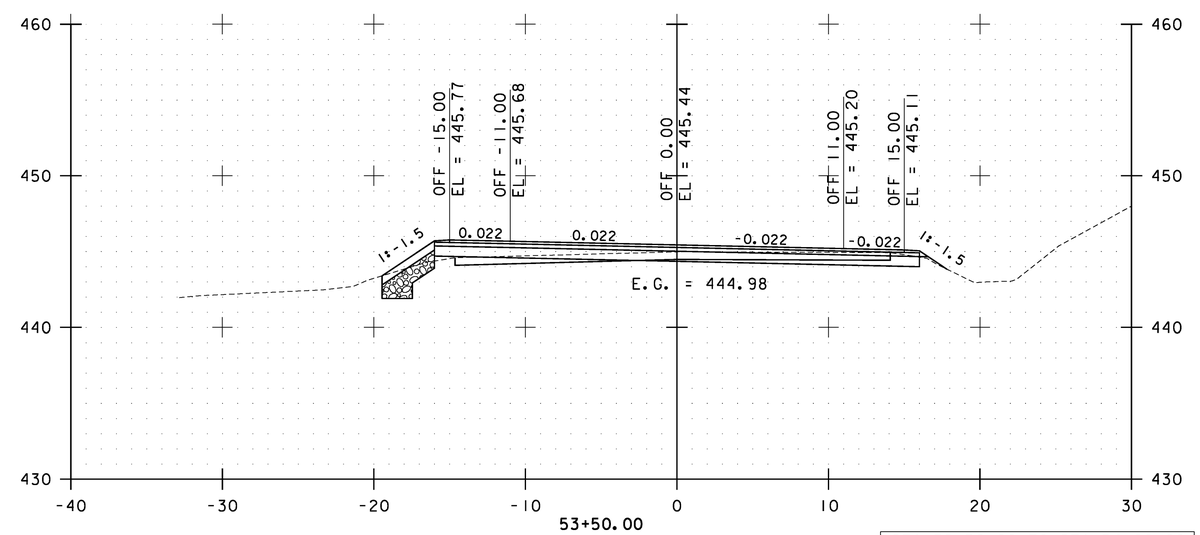
53+00.00



54+00.00



52+50.00



53+50.00

STA. 52+50.00 TO STA. 54+00.00

0 10 20
SCALE

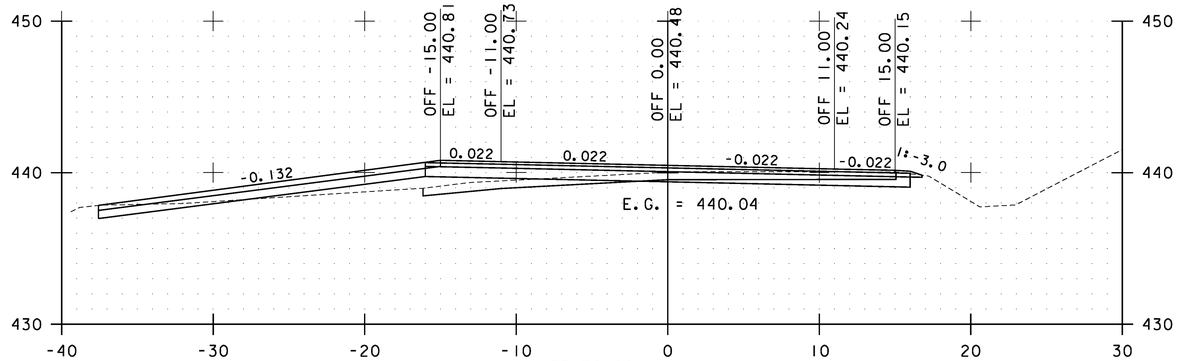
Stantec

FLETCHER CROSS SECTIONS SHEET #20

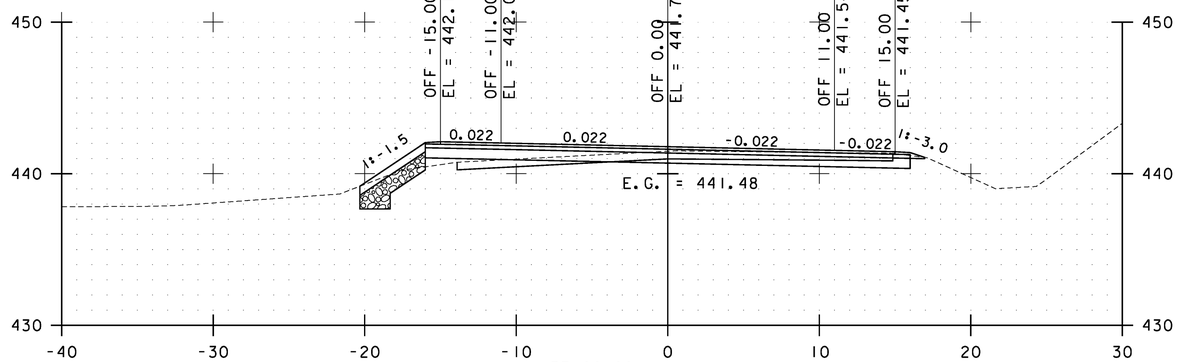
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs20.i

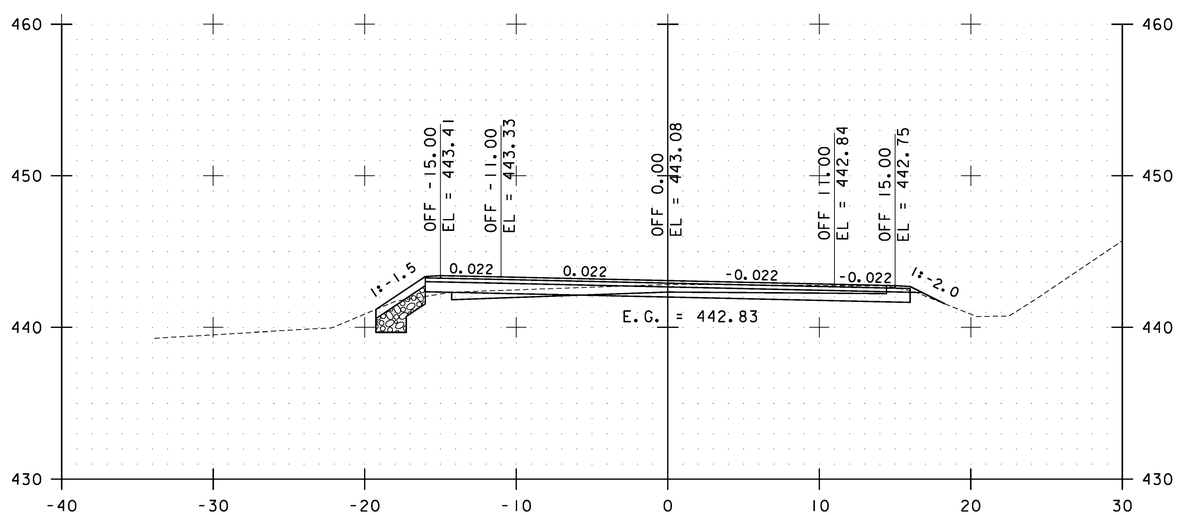
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 242 OF 387



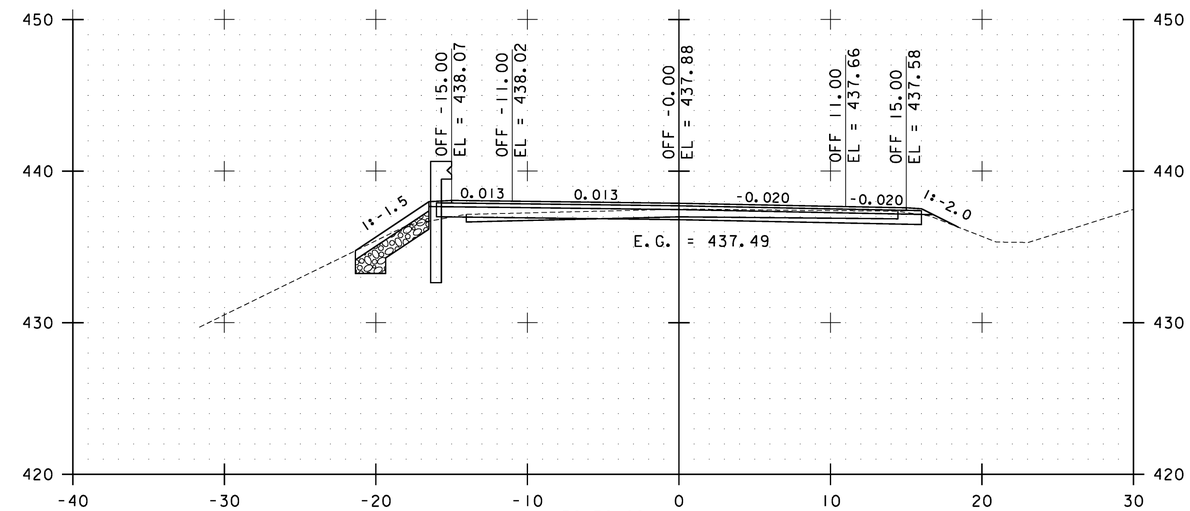
55+50.00



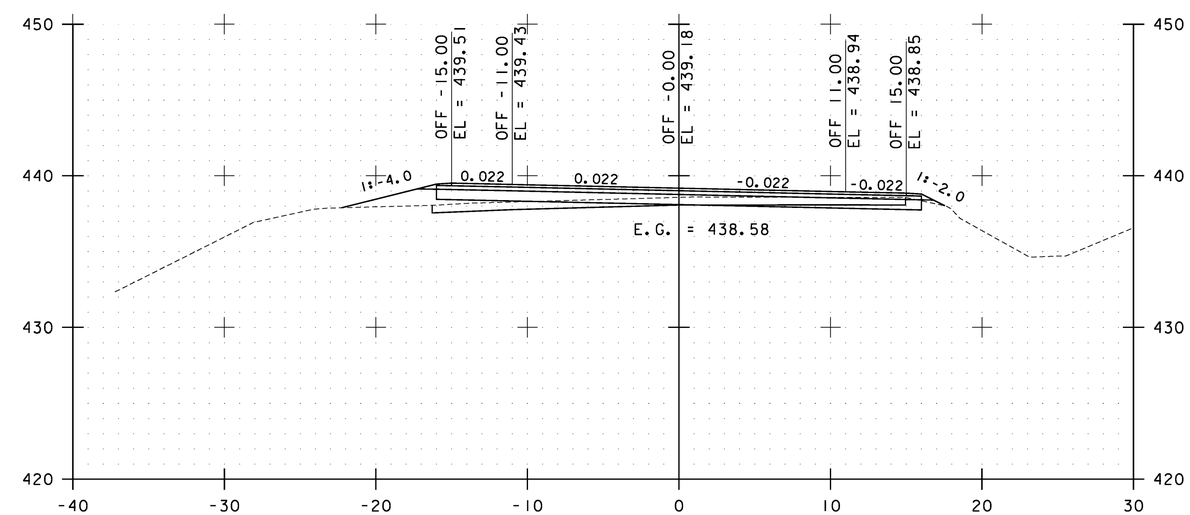
55+00.00



54+50.00



56+50.00



56+00.00

STA. 54+50.00 TO STA. 56+50.00

0 10 20
SCALE

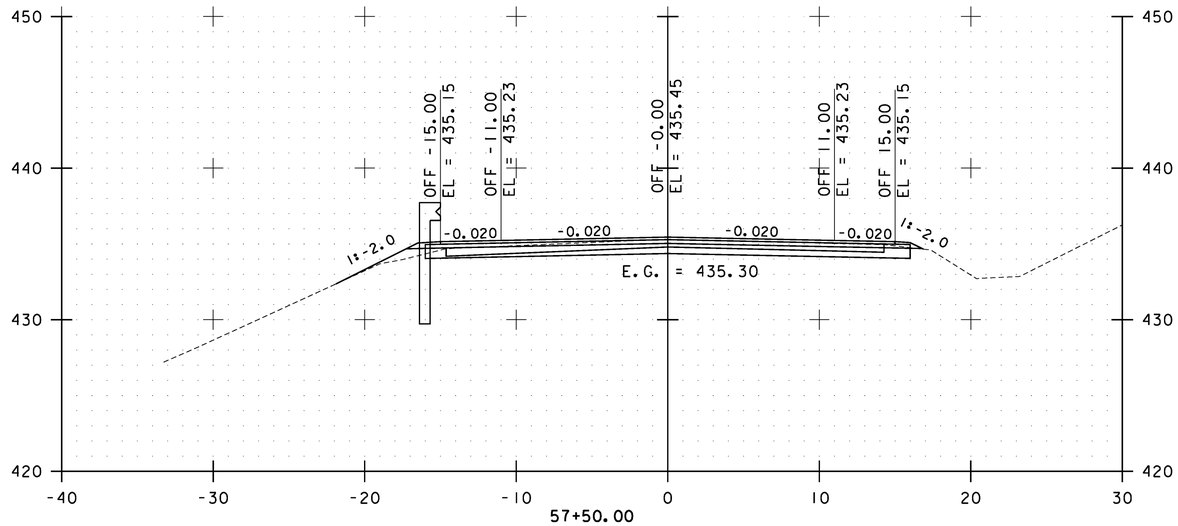
Stantec

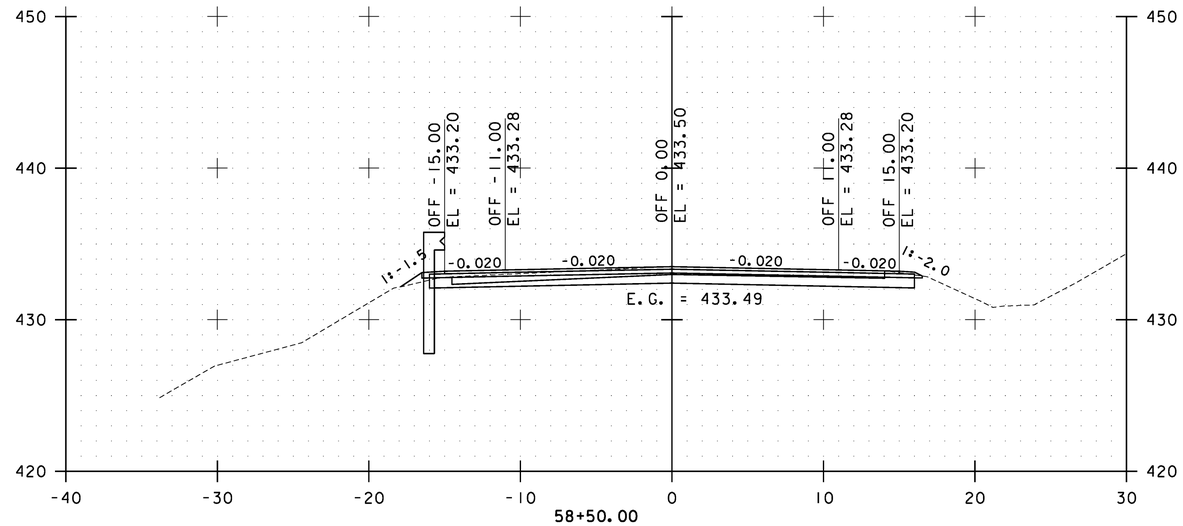
FLETCHER CROSS SECTIONS SHEET #21

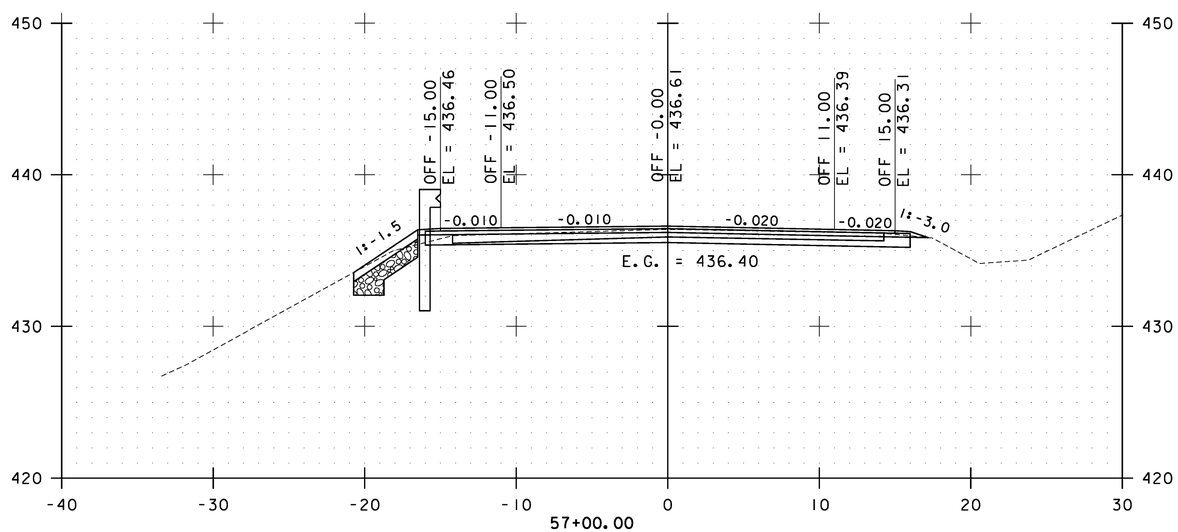
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

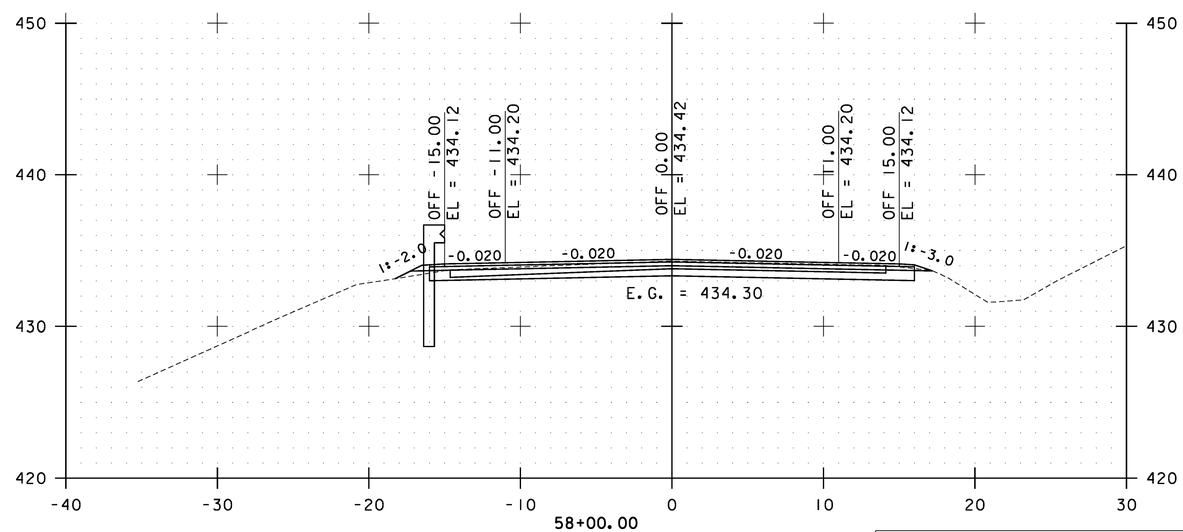
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs21.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 243 OF 387









STA. 57+00.00 TO STA. 58+50.00

0 10 20
SCALE

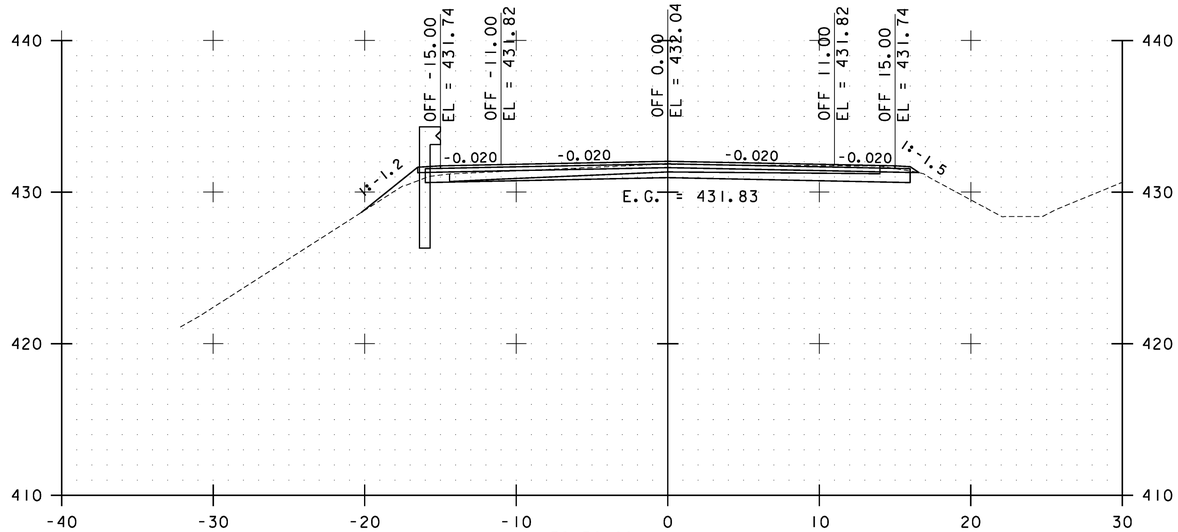
Stantec

FLETCHER CROSS SECTIONS SHEET #22

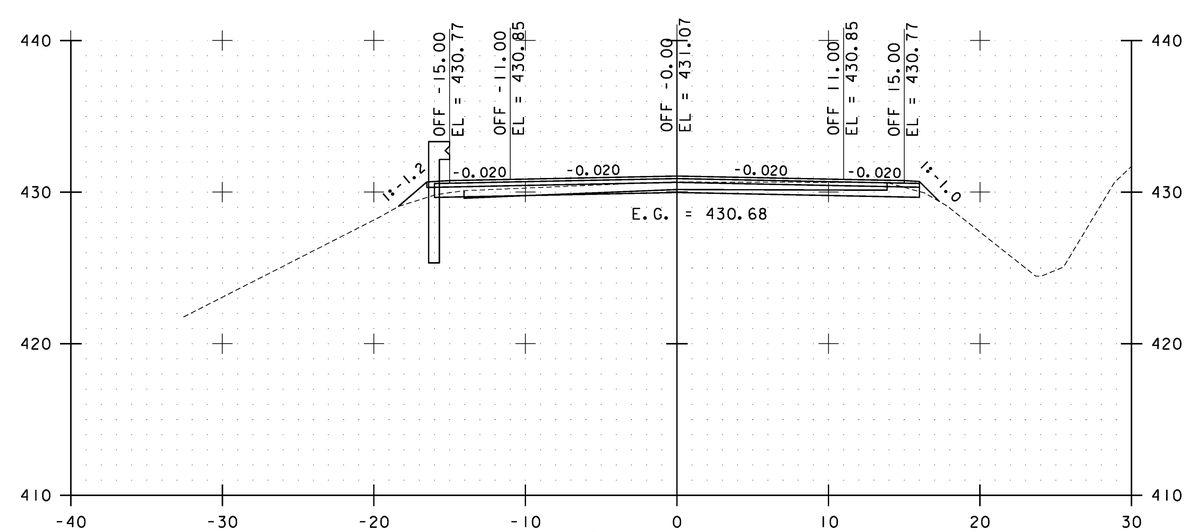
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs22.i

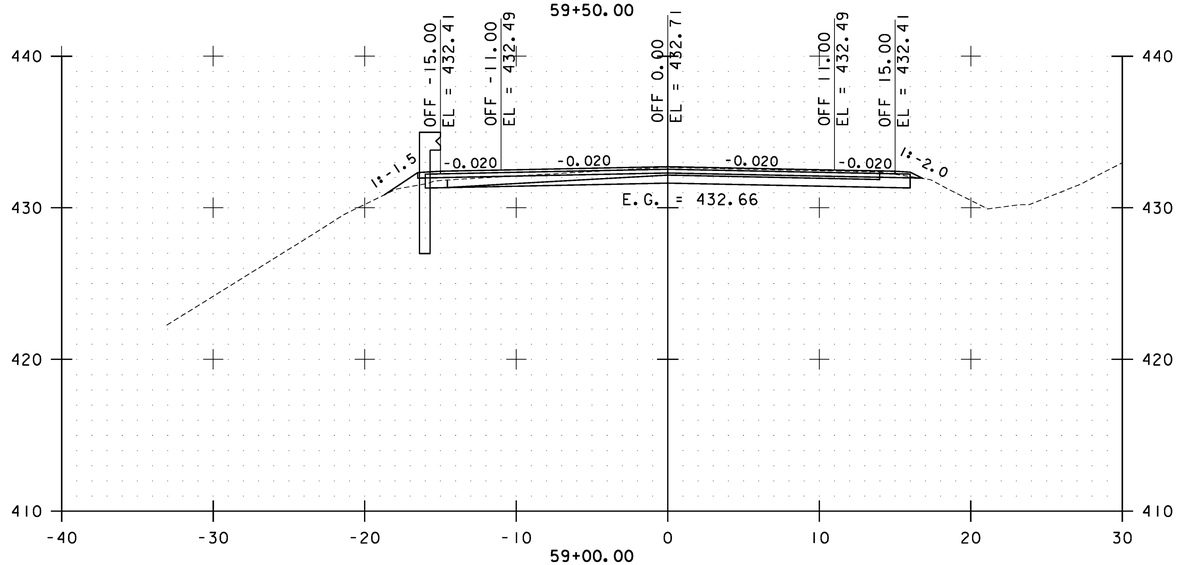
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 244 OF 387



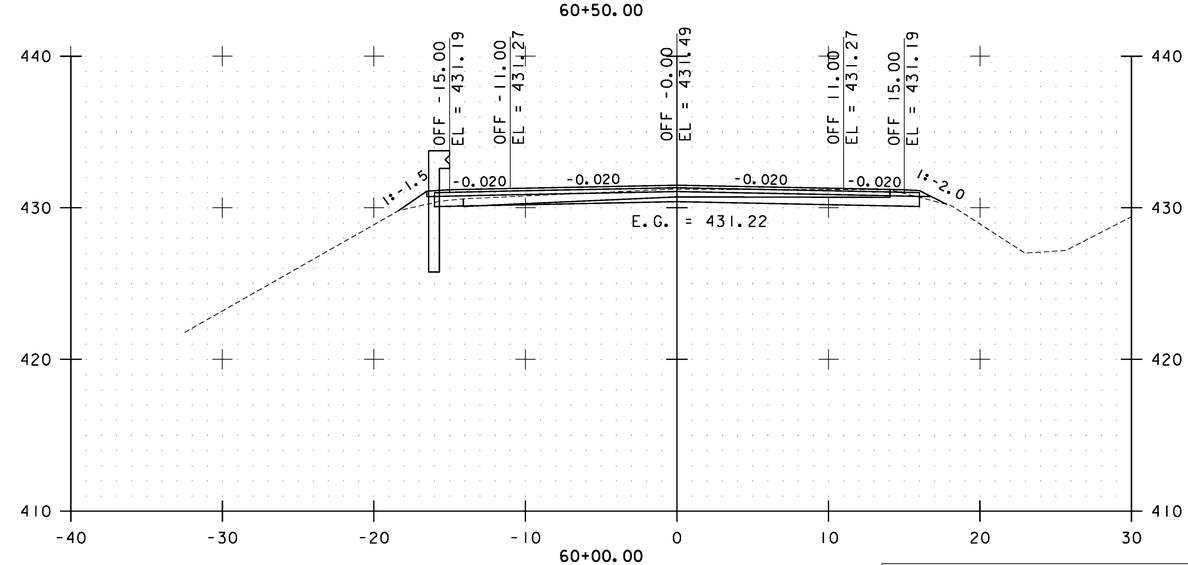
59+50.00



60+50.00



59+00.00



60+00.00

STA. 59+00.00 TO STA. 60+50.00

0 10 20
SCALE

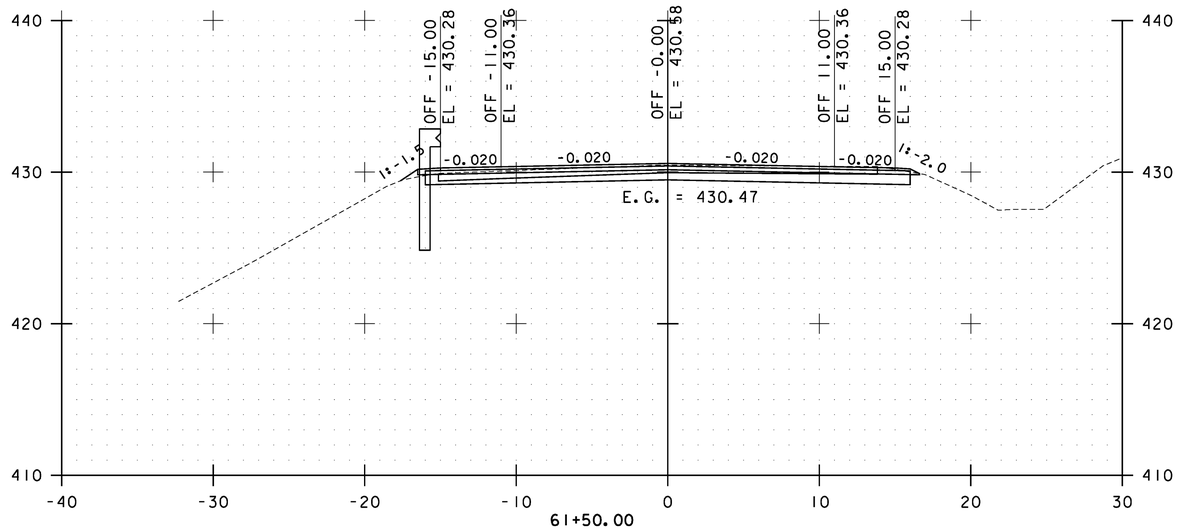
Stantec

FLETCHER CROSS SECTIONS SHEET #23

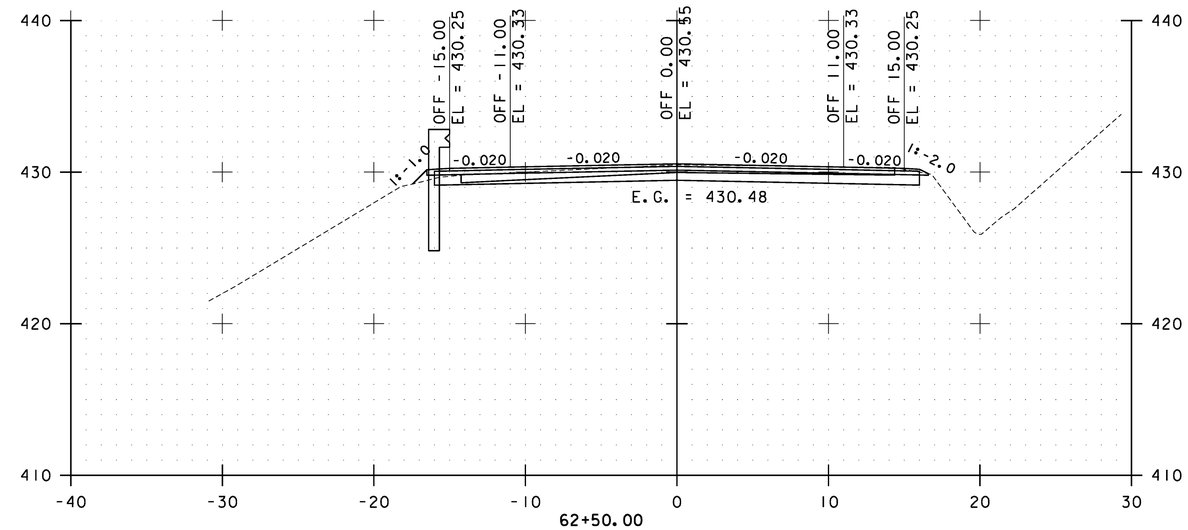
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs23.i

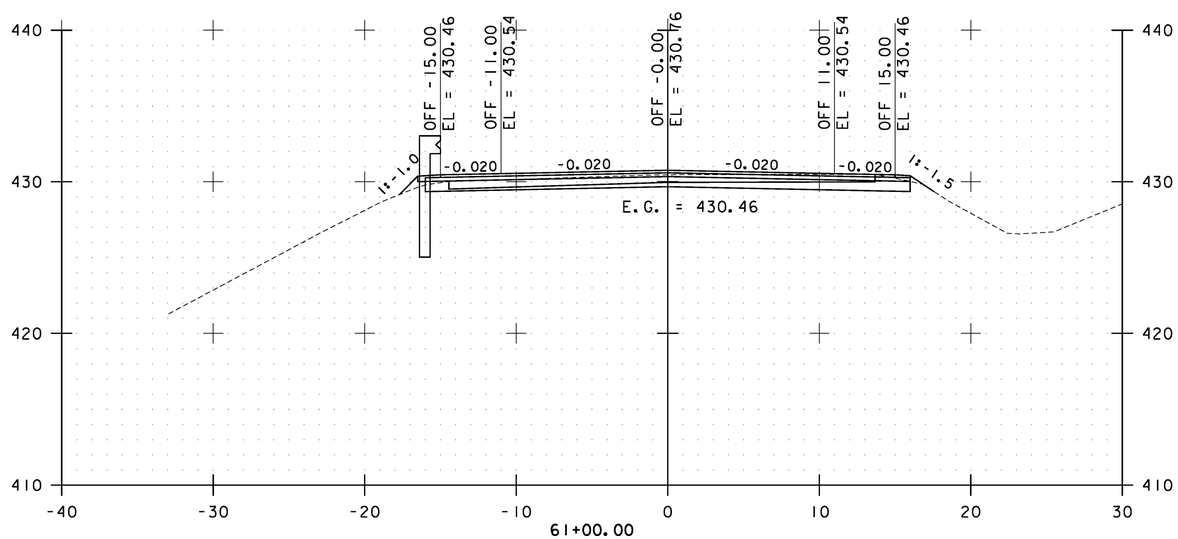
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 245 OF 387



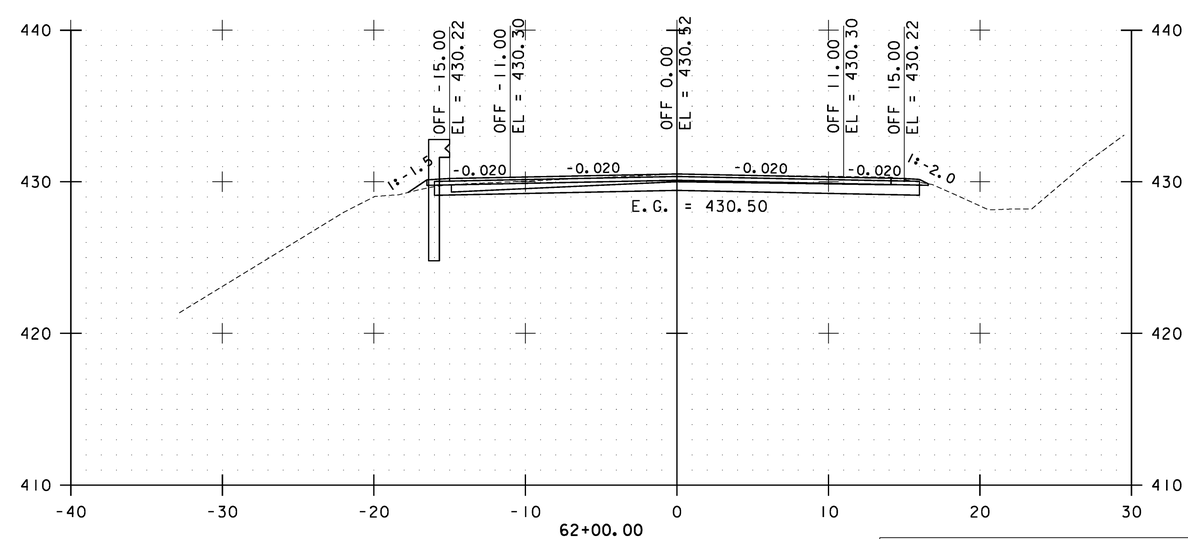
61+50.00



62+50.00



61+00.00



62+00.00

STA. 61+00.00 TO STA. 62+50.00

0 10 20
SCALE

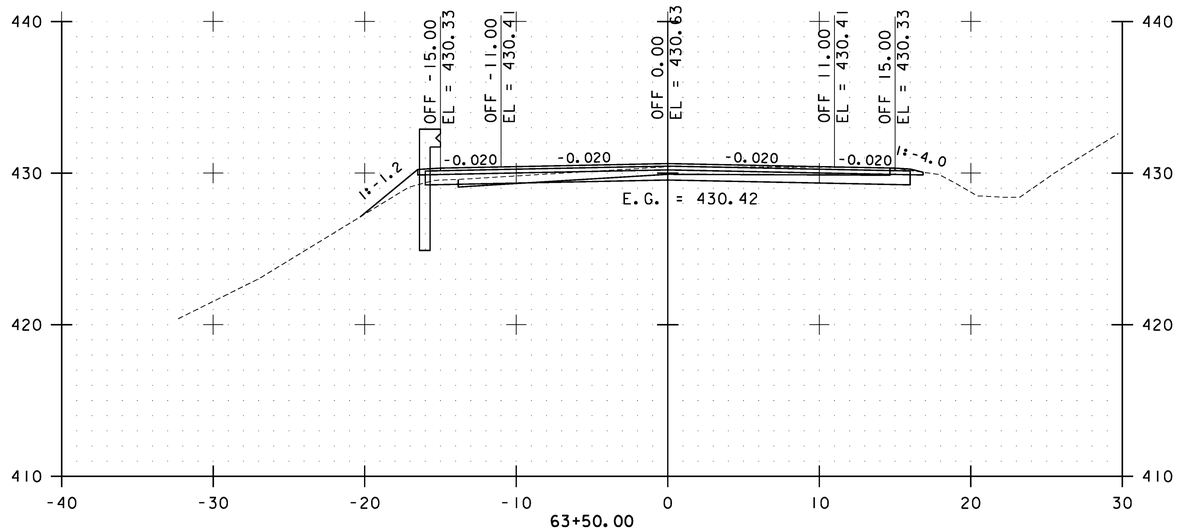
Stantec

FLETCHER CROSS SECTIONS SHEET #24

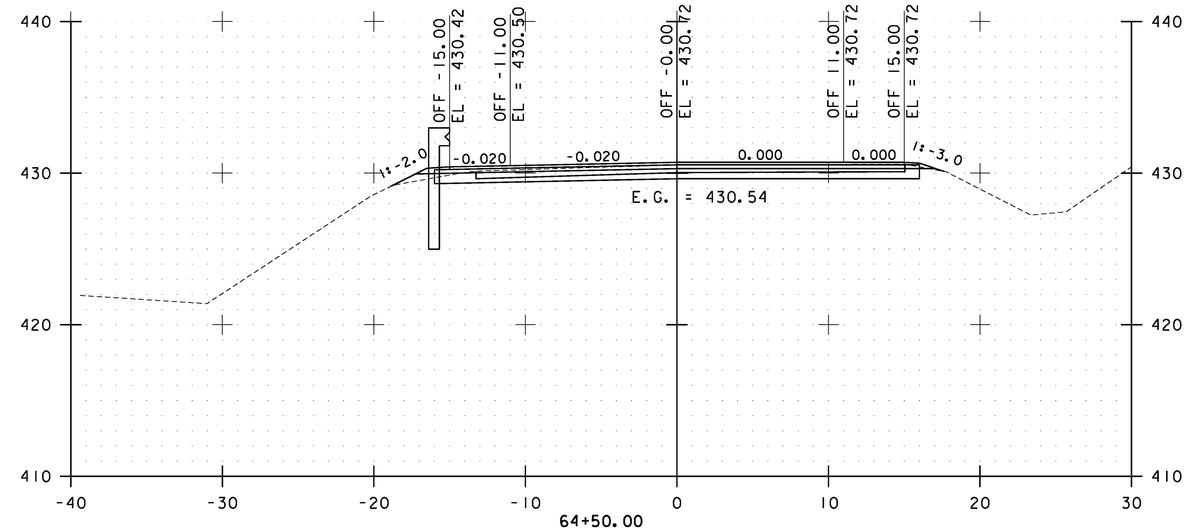
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs24.i

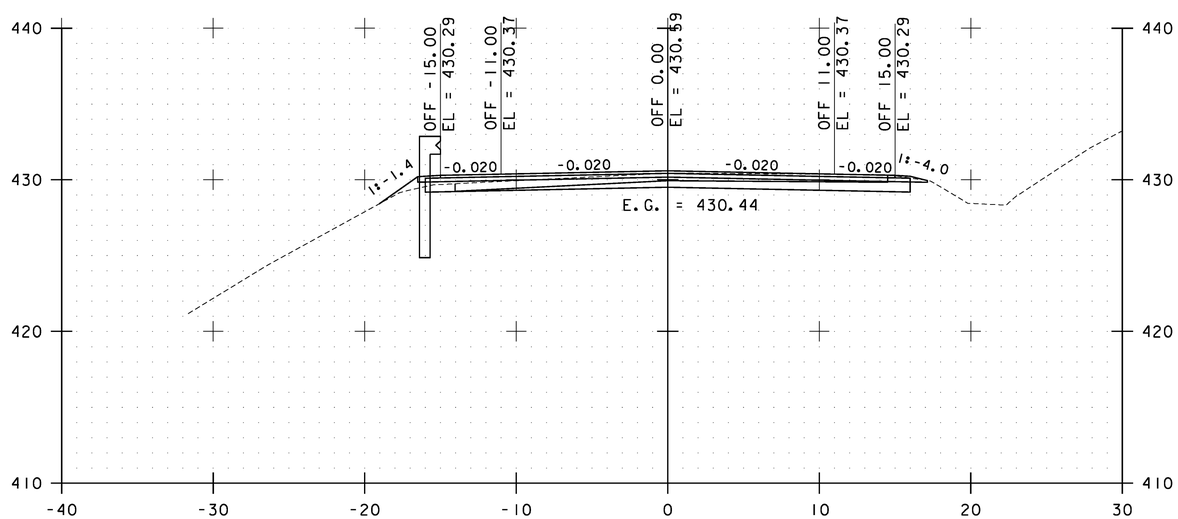
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 246 OF 387



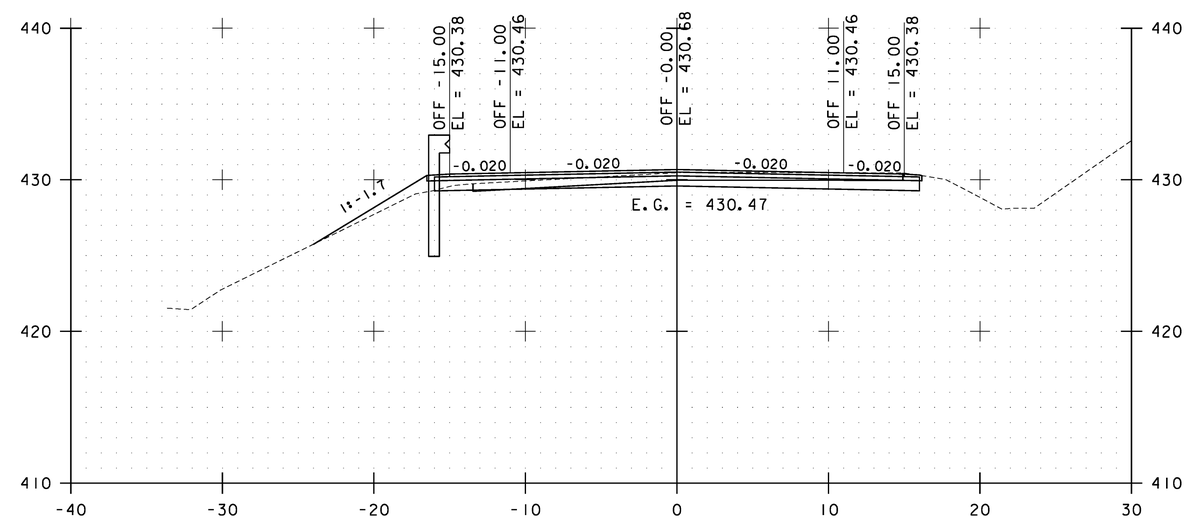
63+50.00



64+50.00



63+00.00



64+00.00

STA. 63+00.00 TO STA. 64+50.00

0 10 20
SCALE

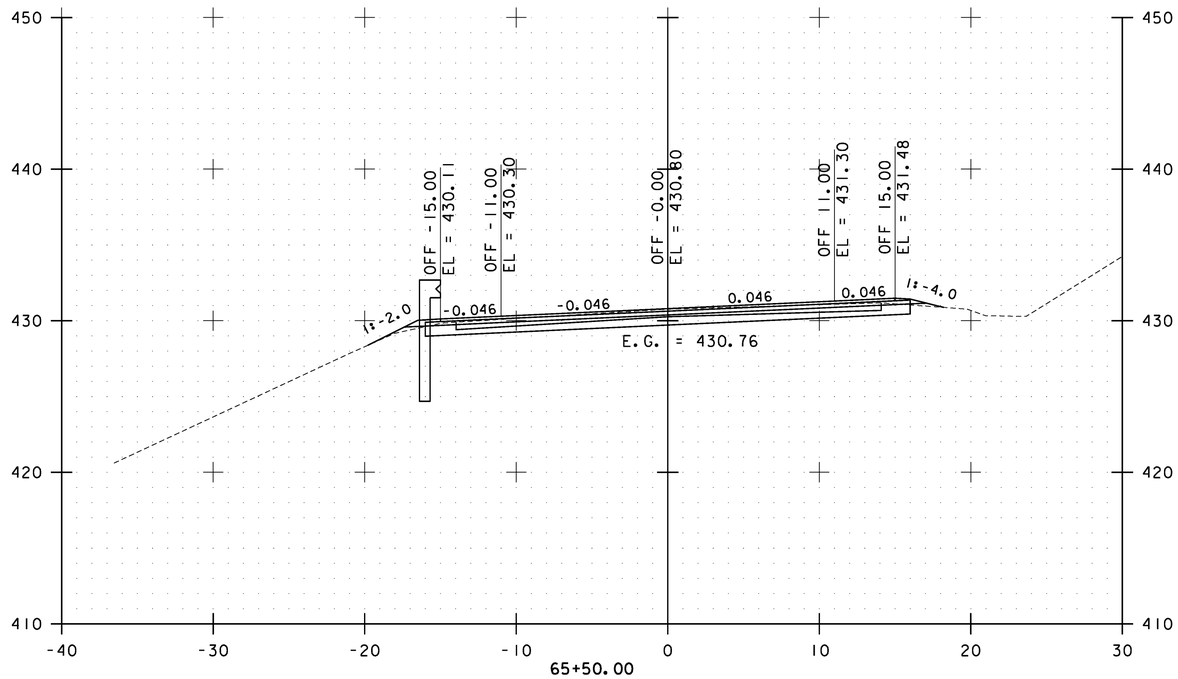
Stantec

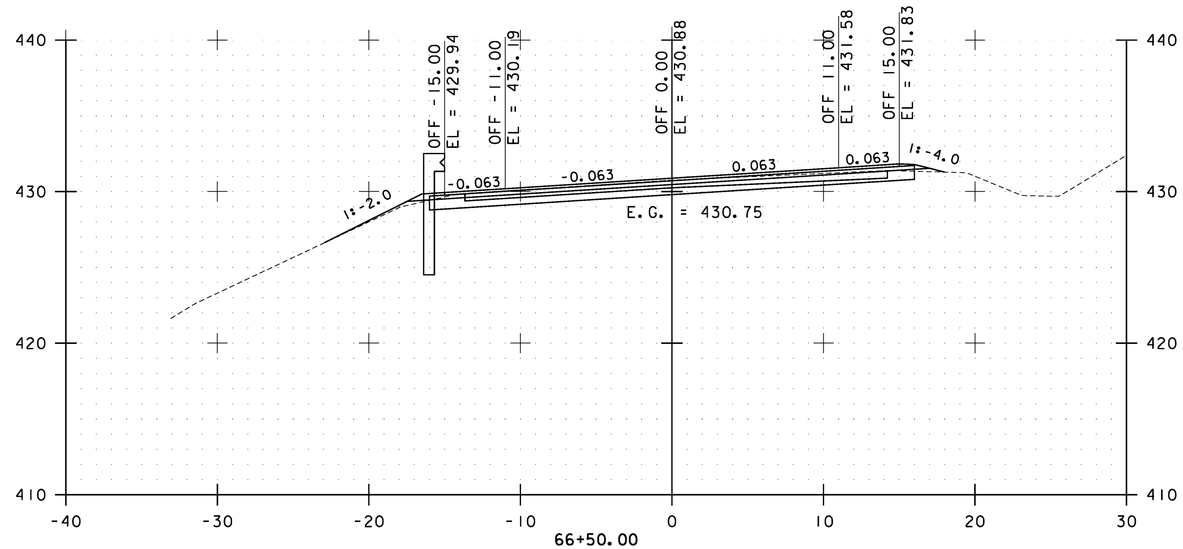
FLETCHER CROSS SECTIONS SHEET #25

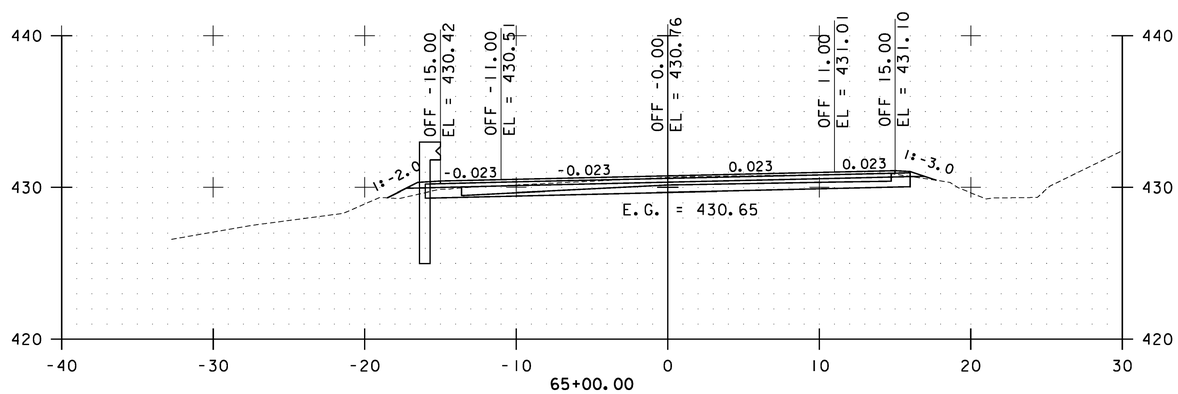
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

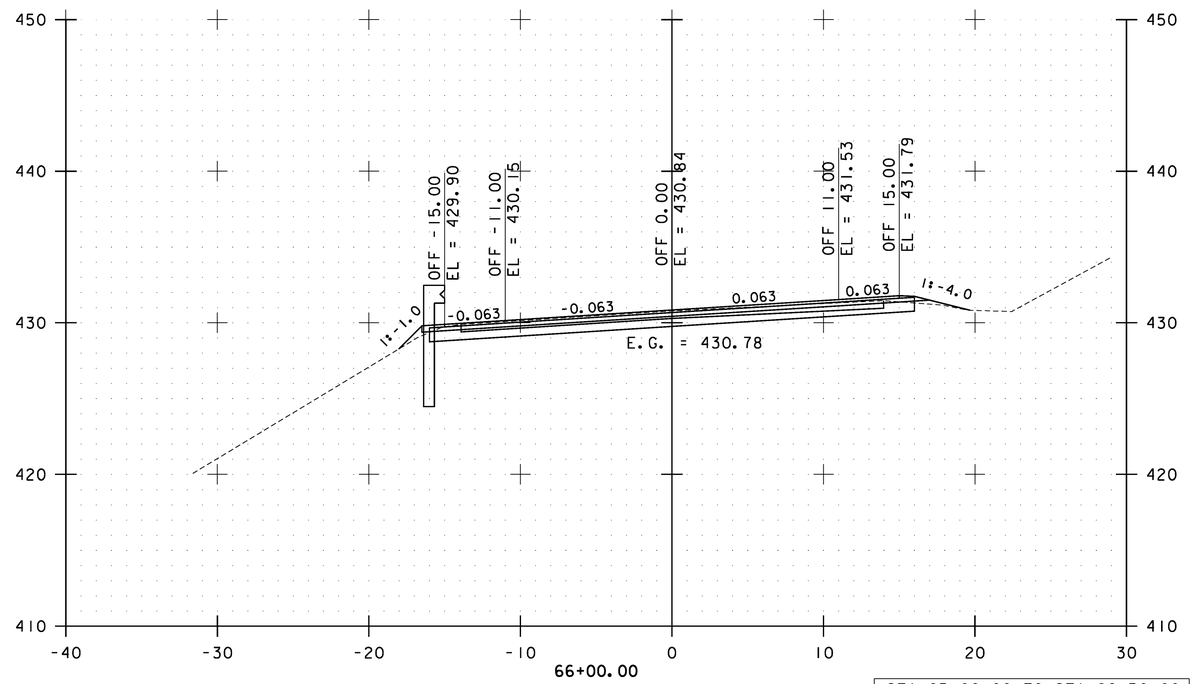
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs25.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 247 OF 387









STA. 65+00.00 TO STA. 66+50.00

0 10 20
SCALE

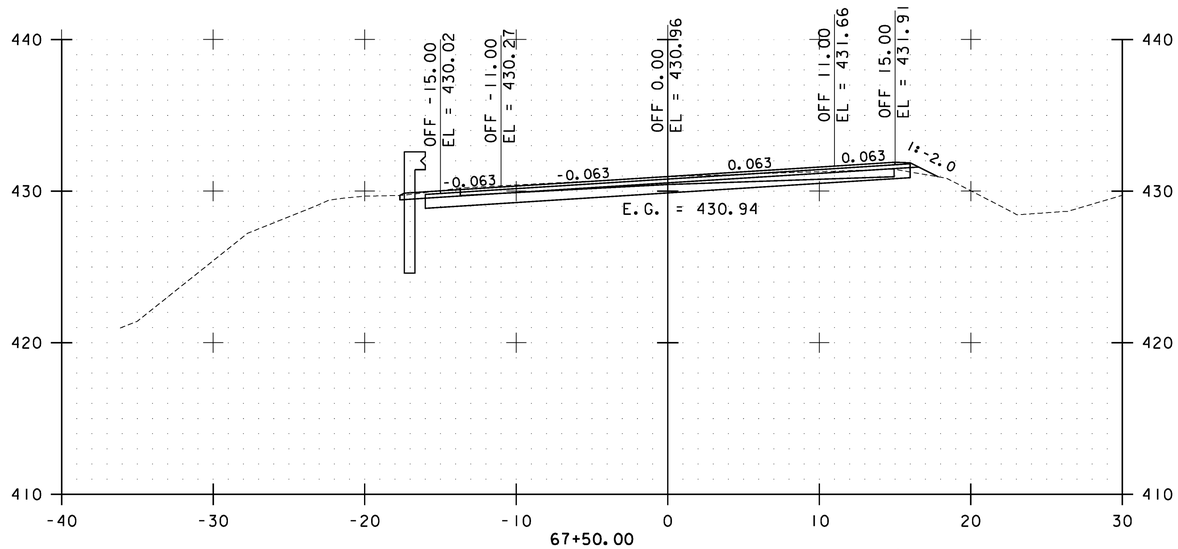
Stantec

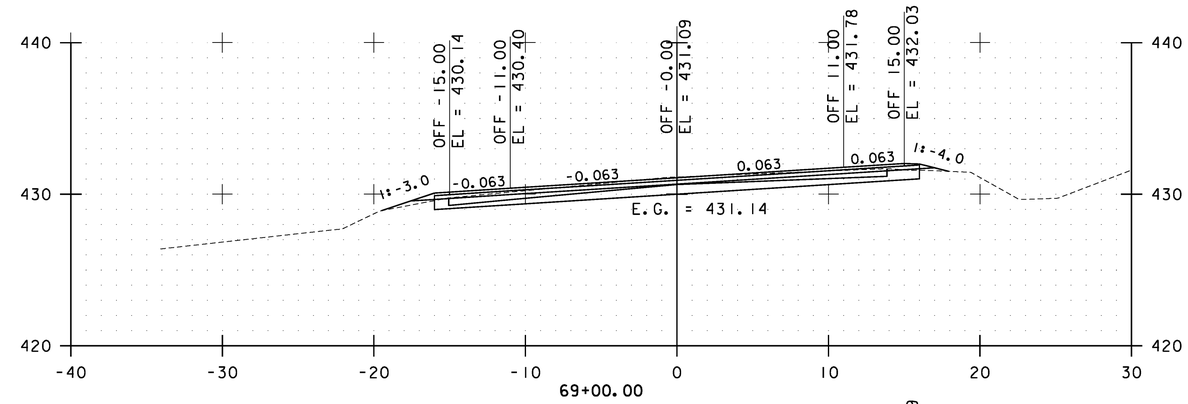
FLETCHER CROSS SECTIONS SHEET #26

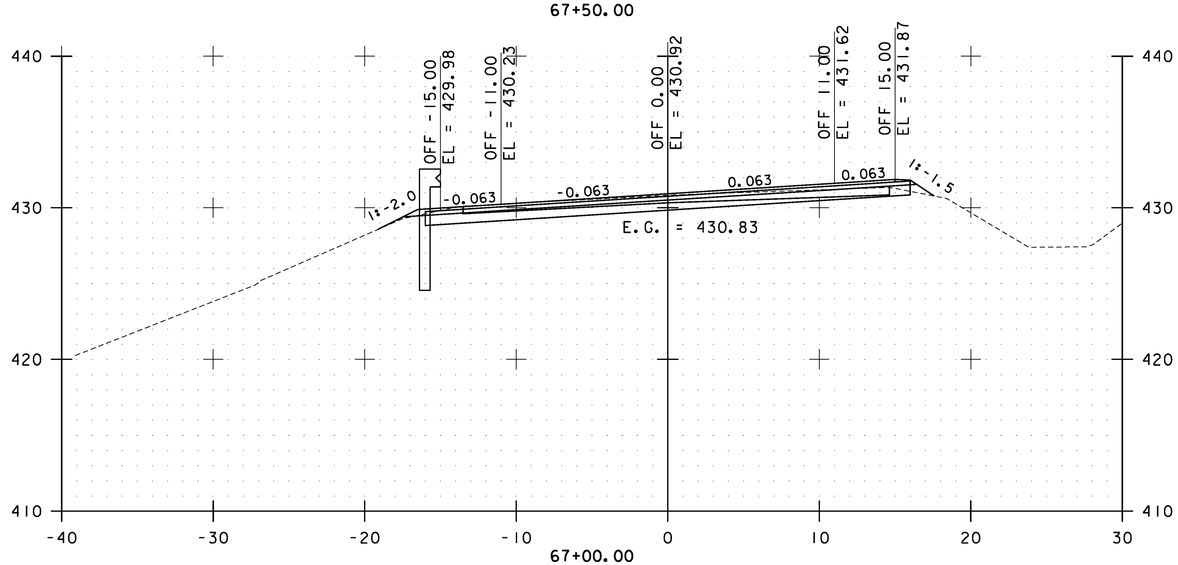
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

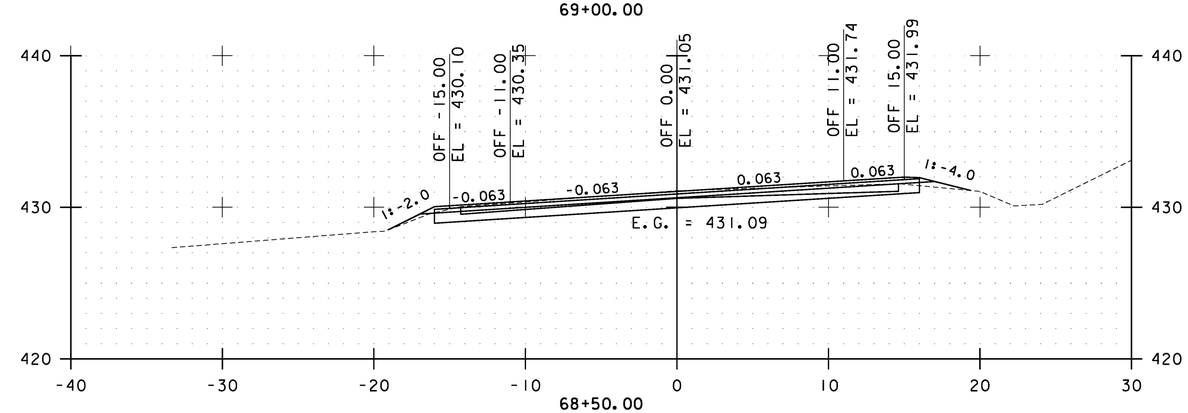
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs26.i

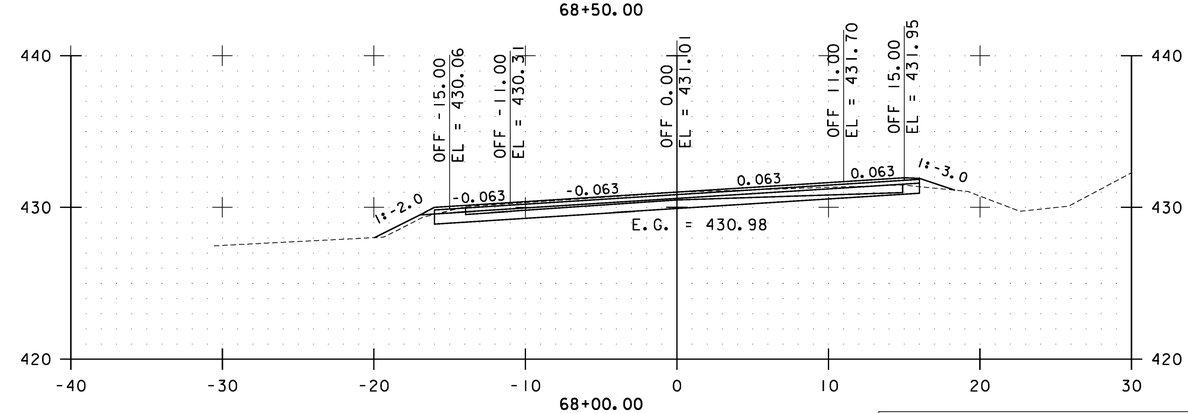
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 248 OF 387











STA. 67+00.00 TO STA. 69+00.00

0 10 20
SCALE

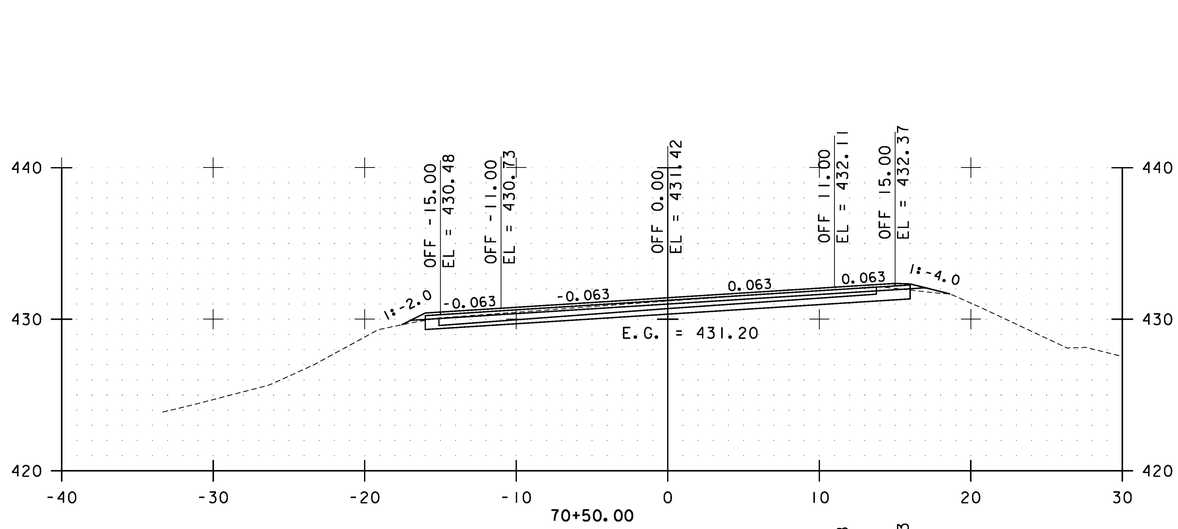
Stantec

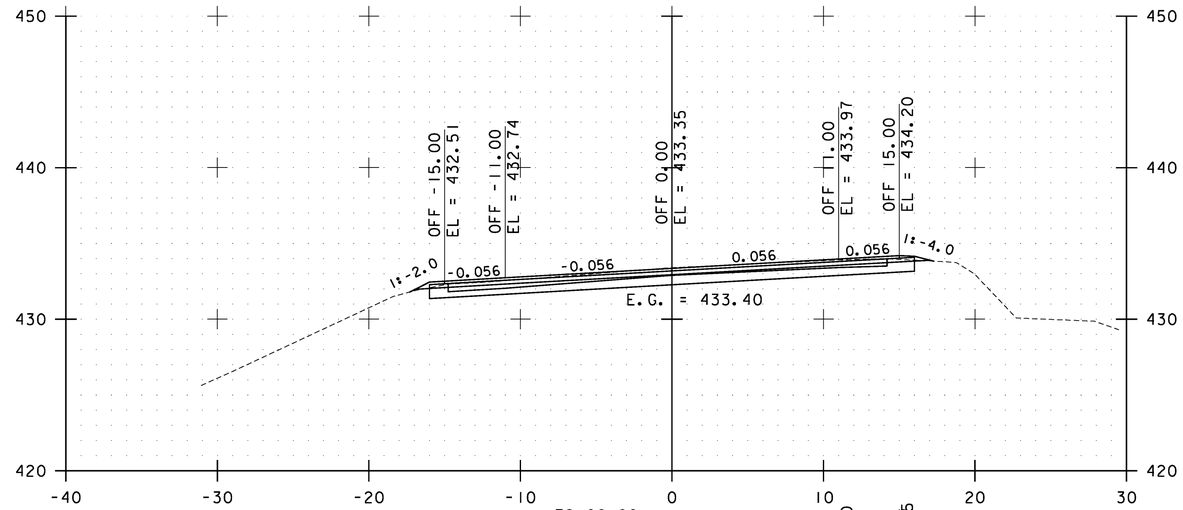
FLETCHER CROSS SECTIONS SHEET #27

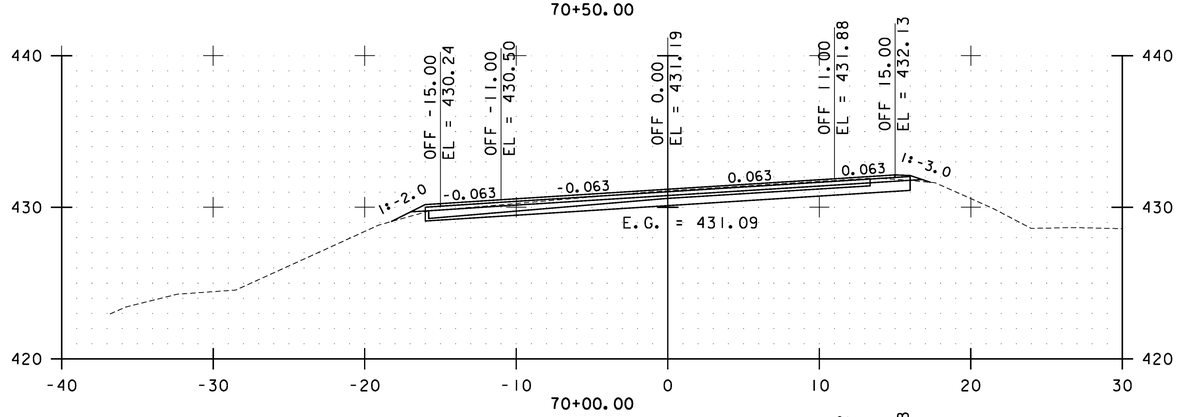
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

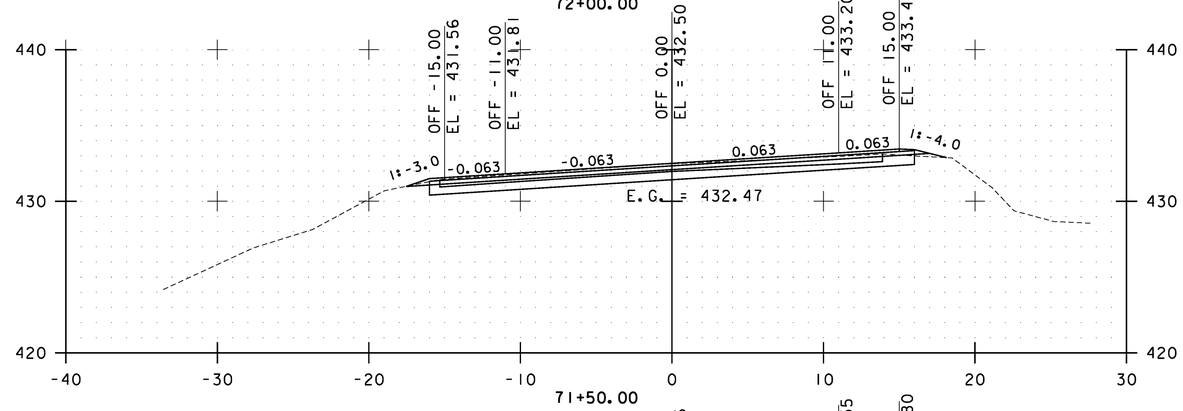
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs27.i

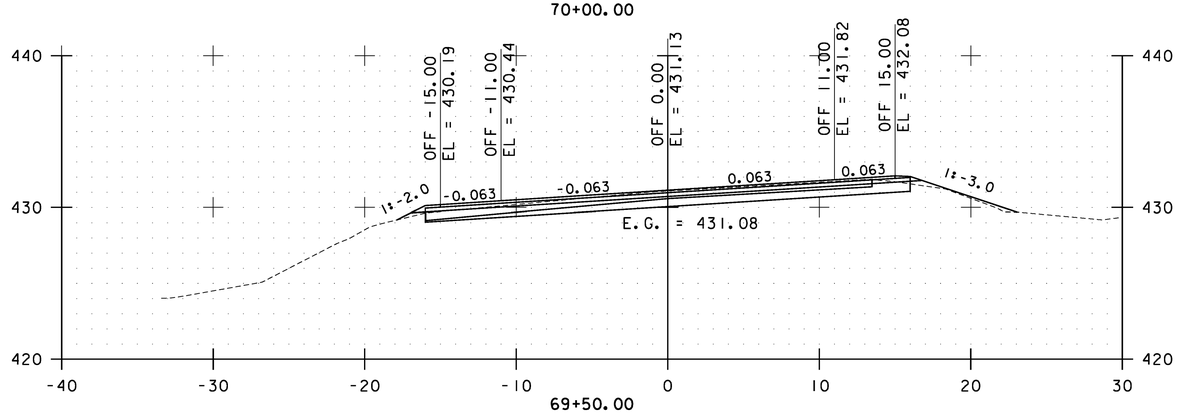
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 249 OF 387

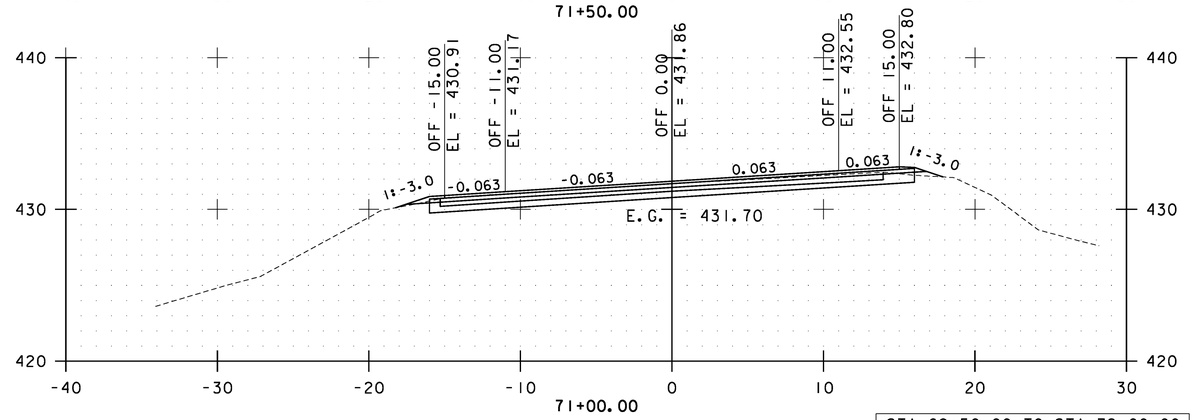












STA. 69+50.00 TO STA. 72+00.00

0 10 20
SCALE

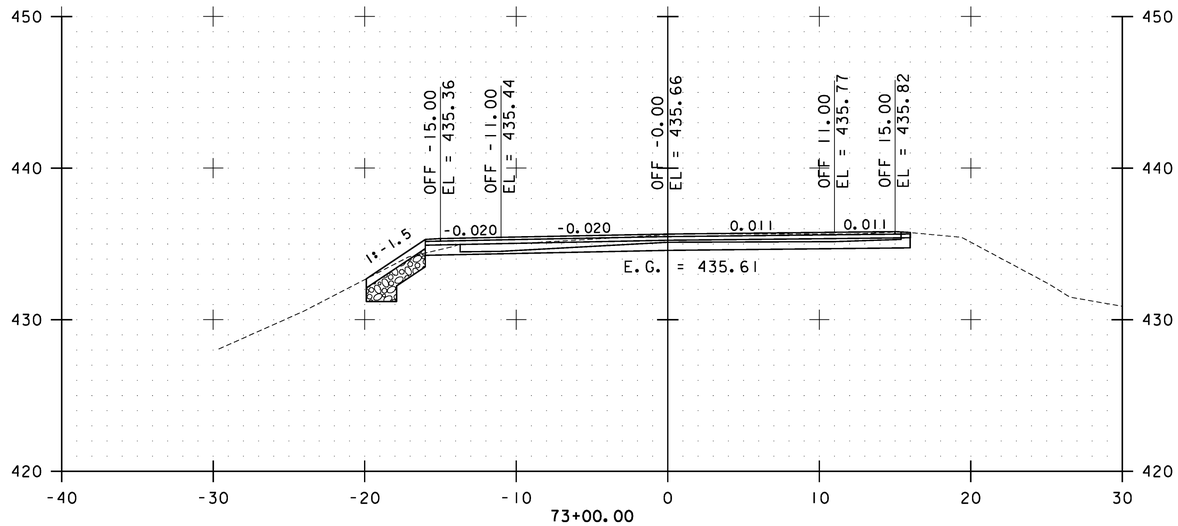
Stantec

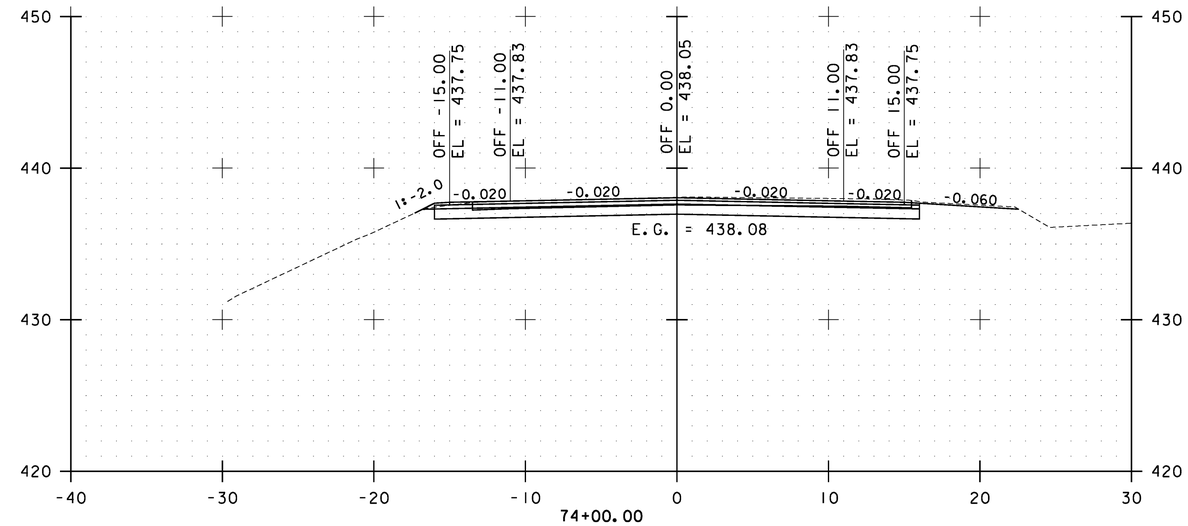
FLETCHER CROSS SECTIONS SHEET #28

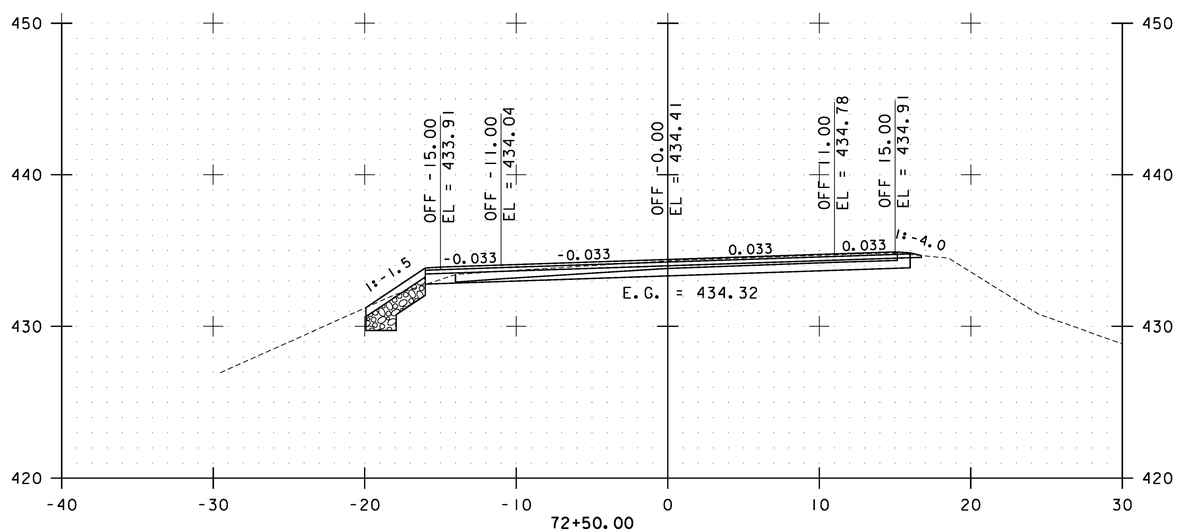
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

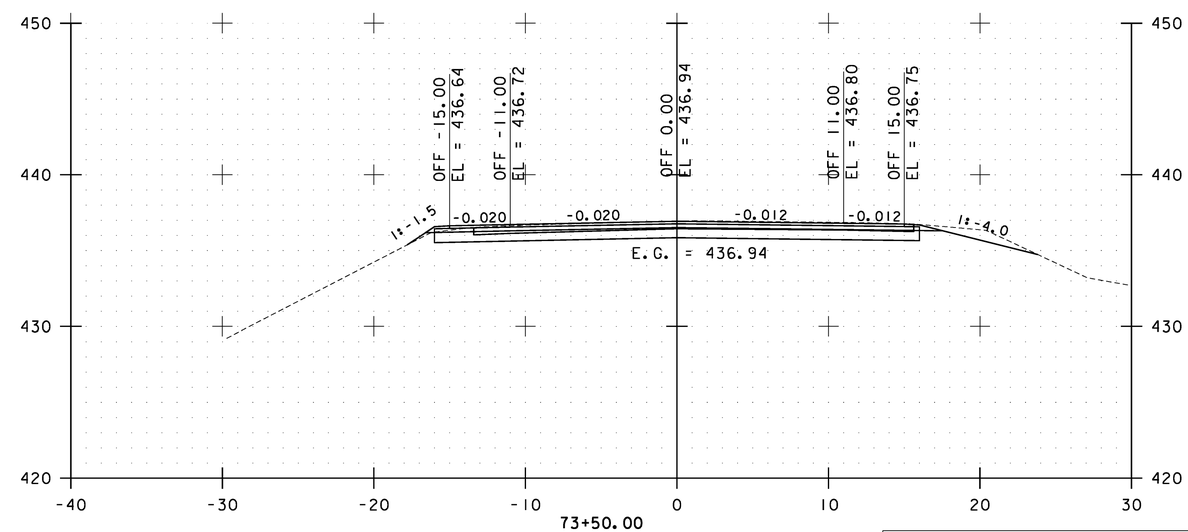
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs28.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 250 OF 387









STA. 72+50.00 TO STA. 74+00.00

0 10 20
SCALE

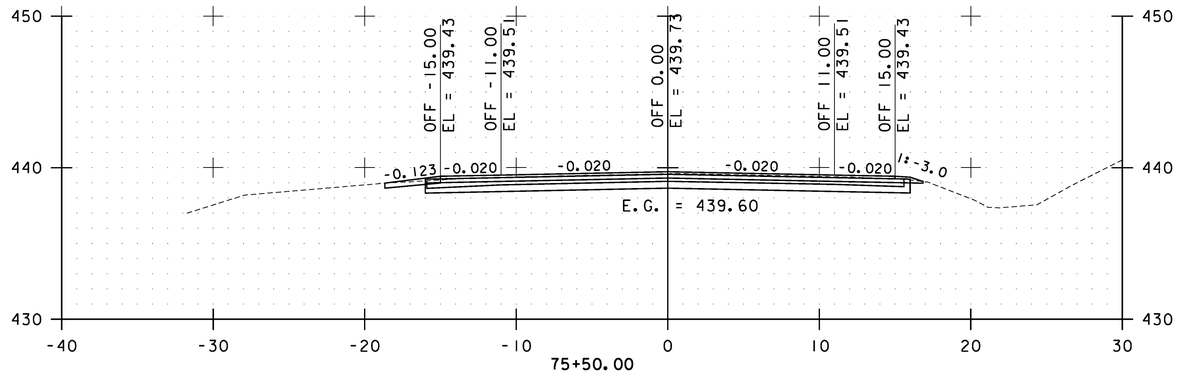
Stantec

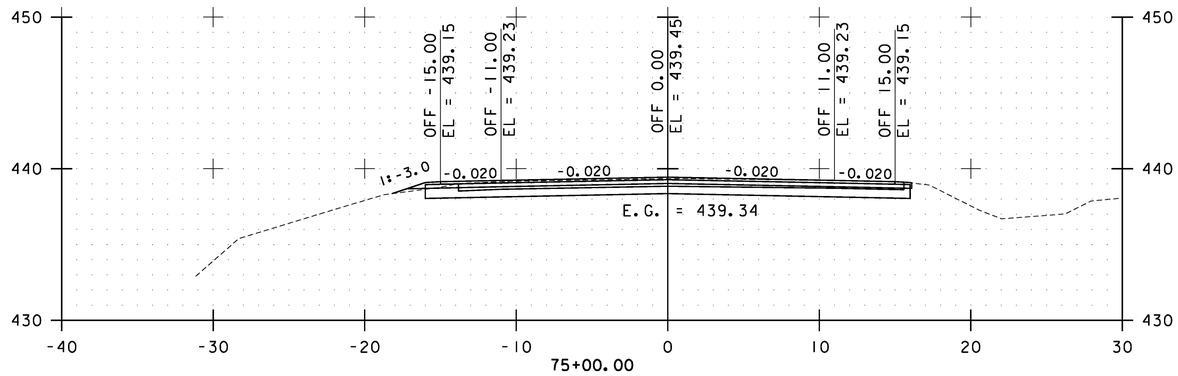
FLETCHER CROSS SECTIONS SHEET #29

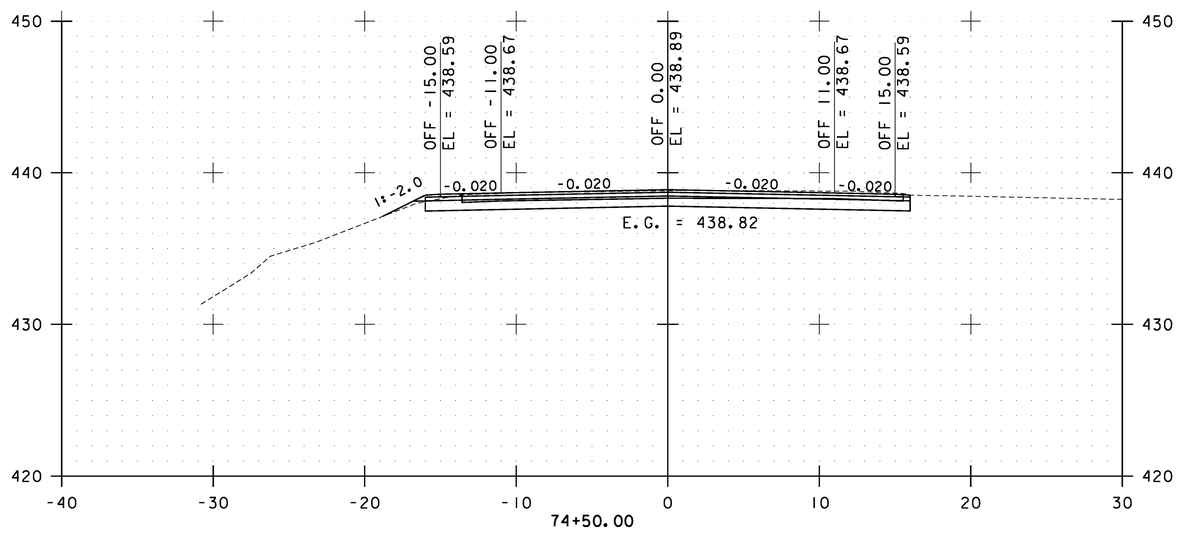
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

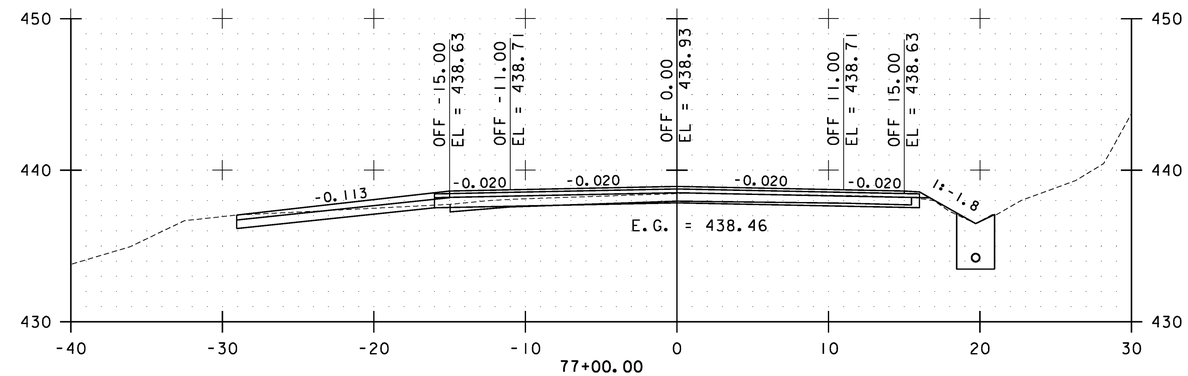
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs29.i

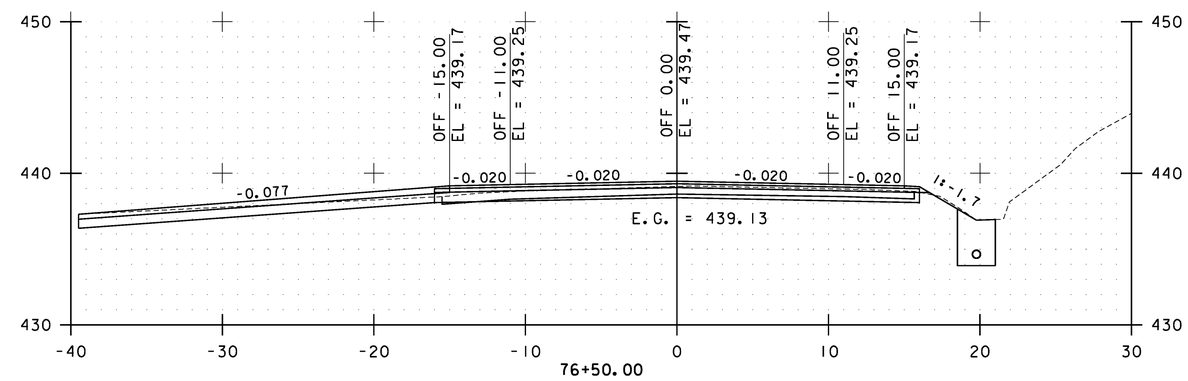
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 251 OF 387

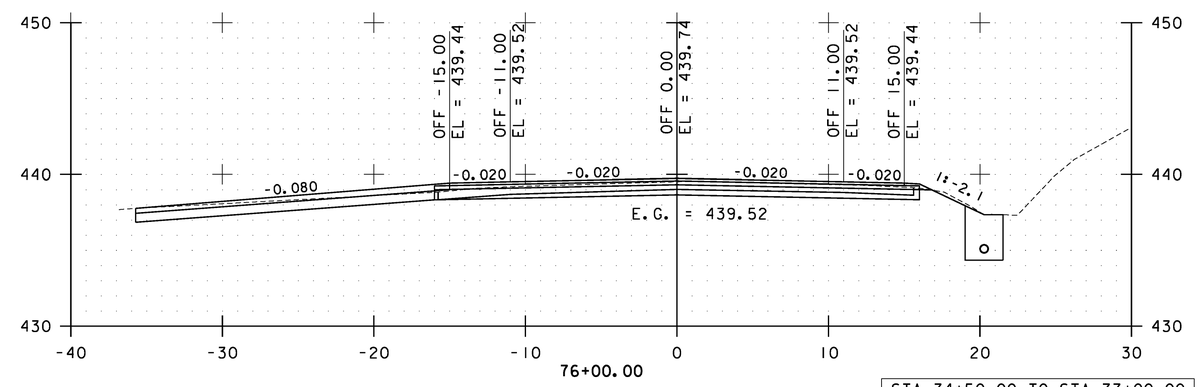












STA. 74+50.00 TO STA. 77+00.00

0 10 20
SCALE

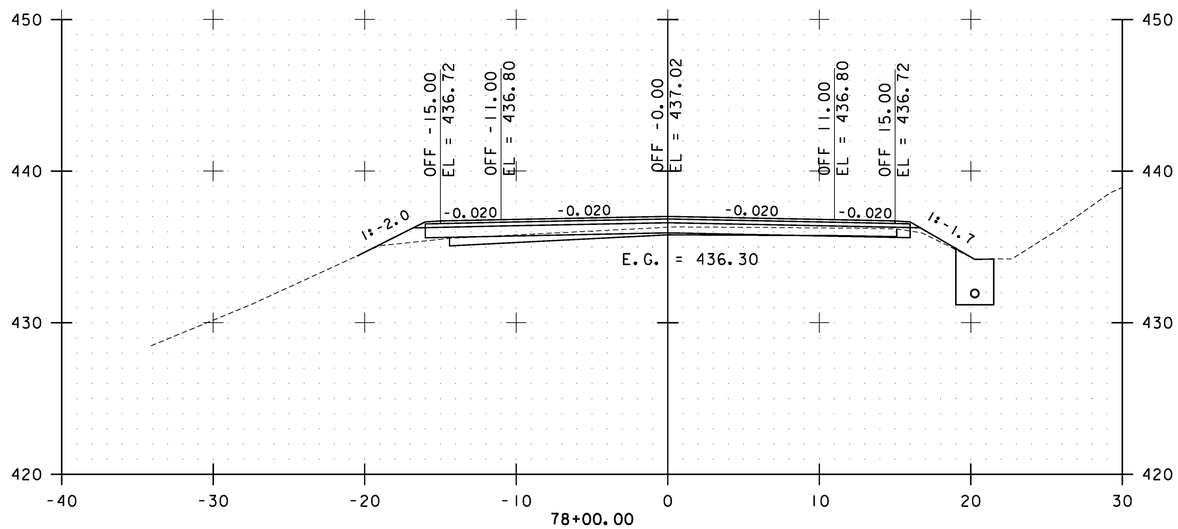
Stantec

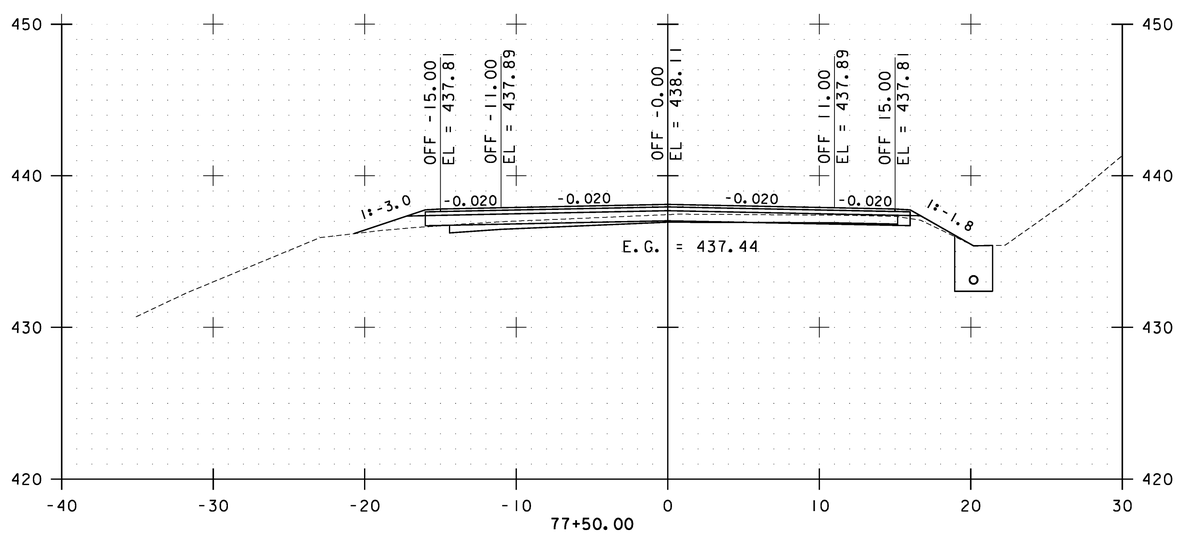
FLETCHER CROSS SECTIONS SHEET #30

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

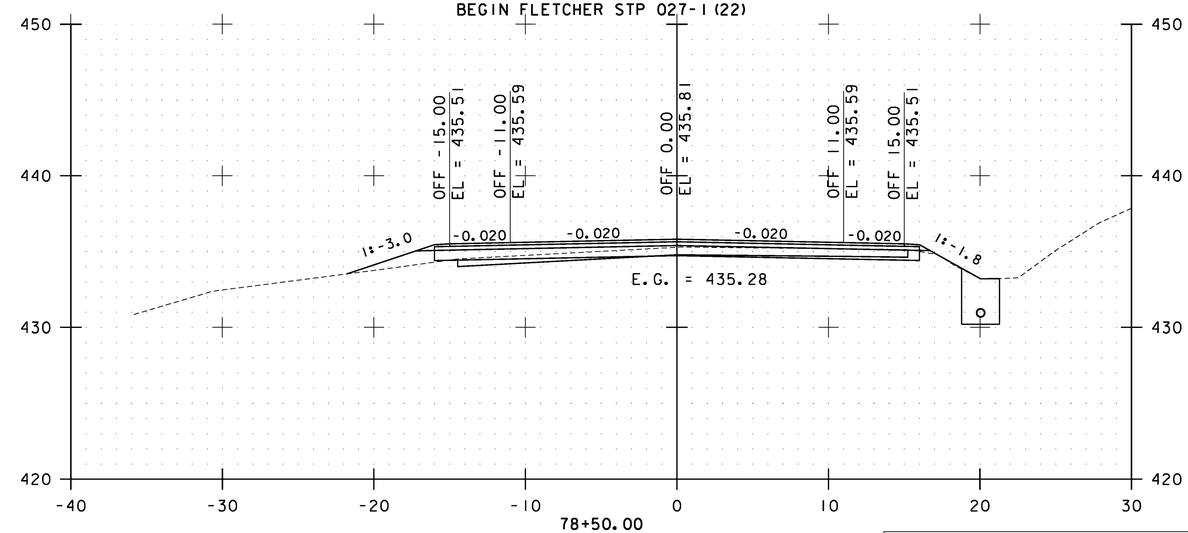
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs30.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 252 OF 387





FLETCHER STA. 78+50.67
STOP STP 2926(1)
BEGIN FLETCHER STP 027-1(22)



STA. 77+50.00 TO STA. 78+50.00

0 10 20
SCALE

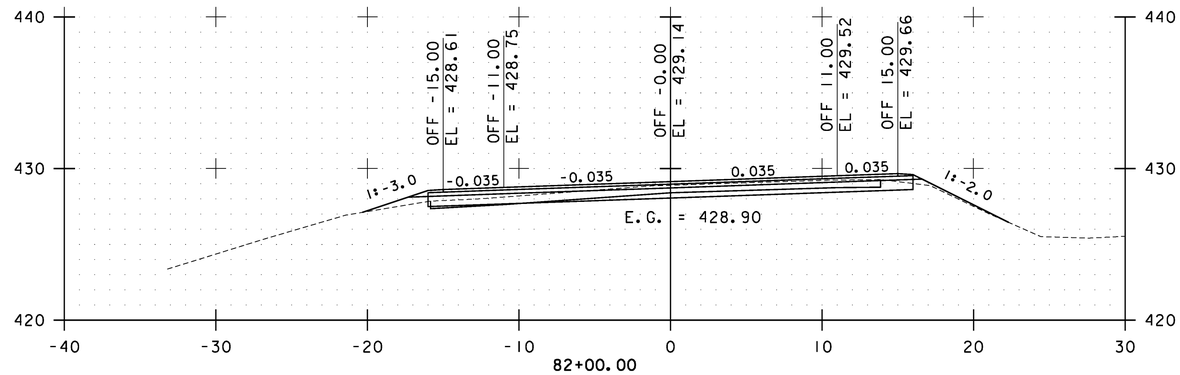
Stantec

FLETCHER CROSS SECTIONS SHEET #31

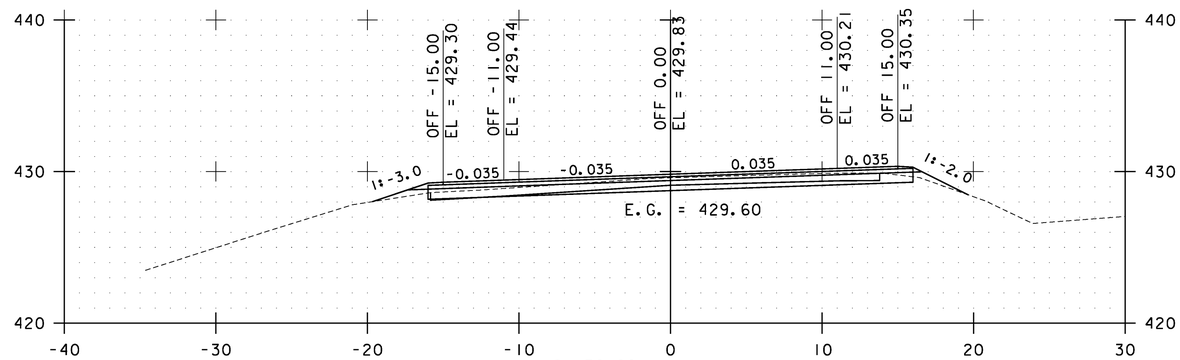
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs31.i

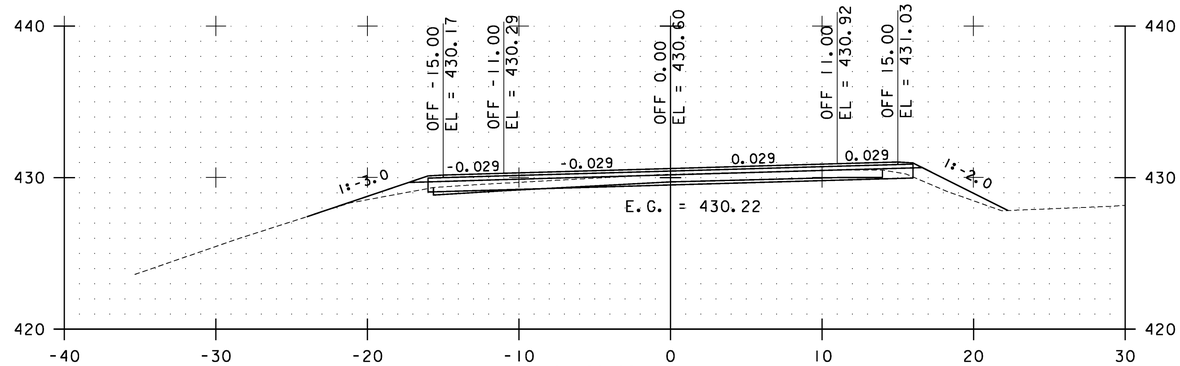
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 253 OF 387



82+00.00



81+50.00



81+00.00

FLETCHER STA. 80+89.33
STOP FLETCHER STP 027-1(22)
RESUME STP 2926(1)

STA. 81+00.00 TO STA. 82+00.00

0 10 20
SCALE

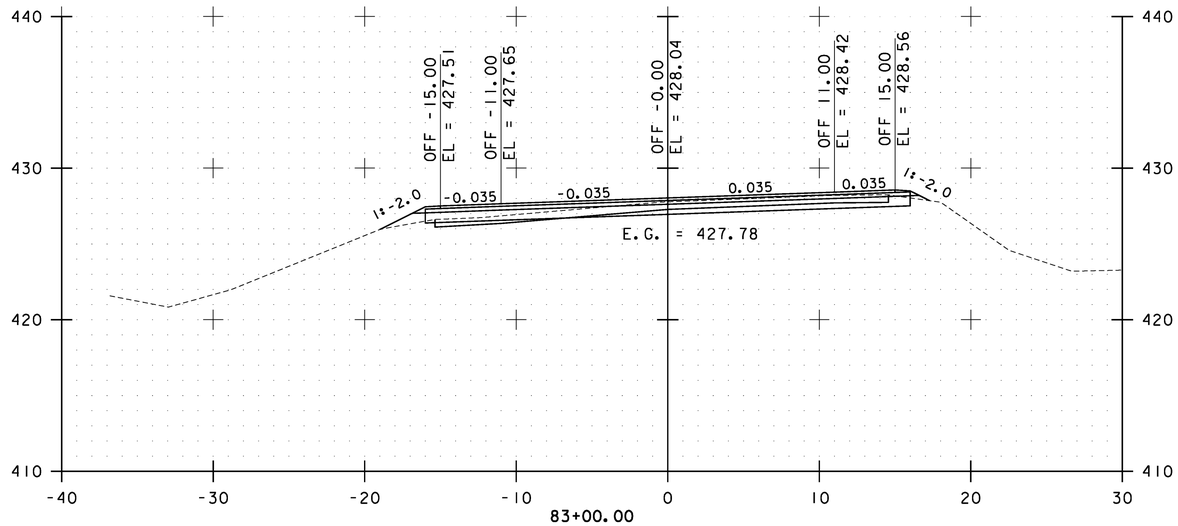
Stantec

FLETCHER CROSS SECTIONS SHEET #32

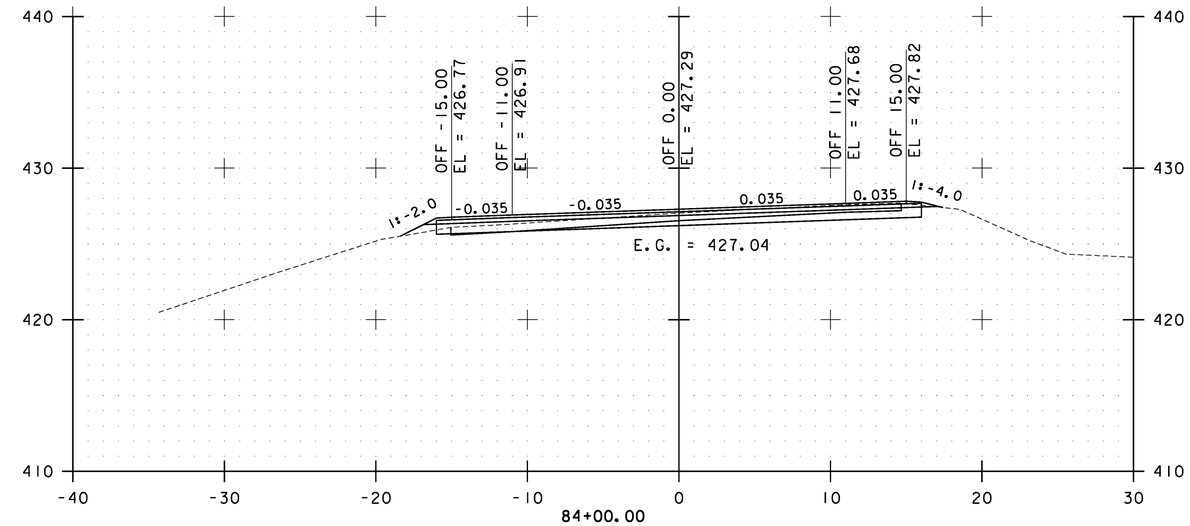
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs32.i

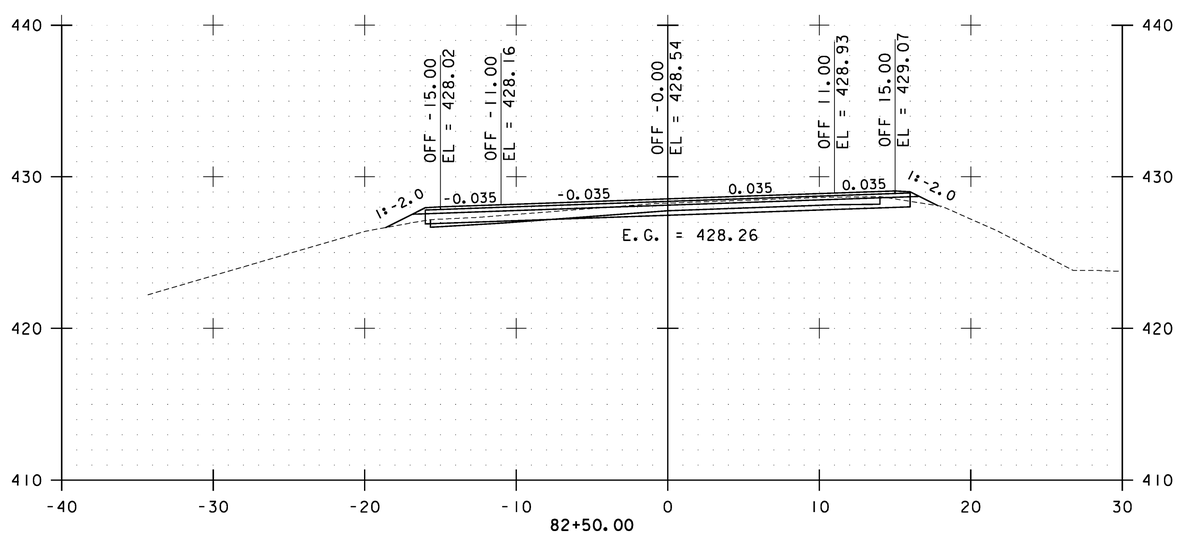
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 254 OF 387



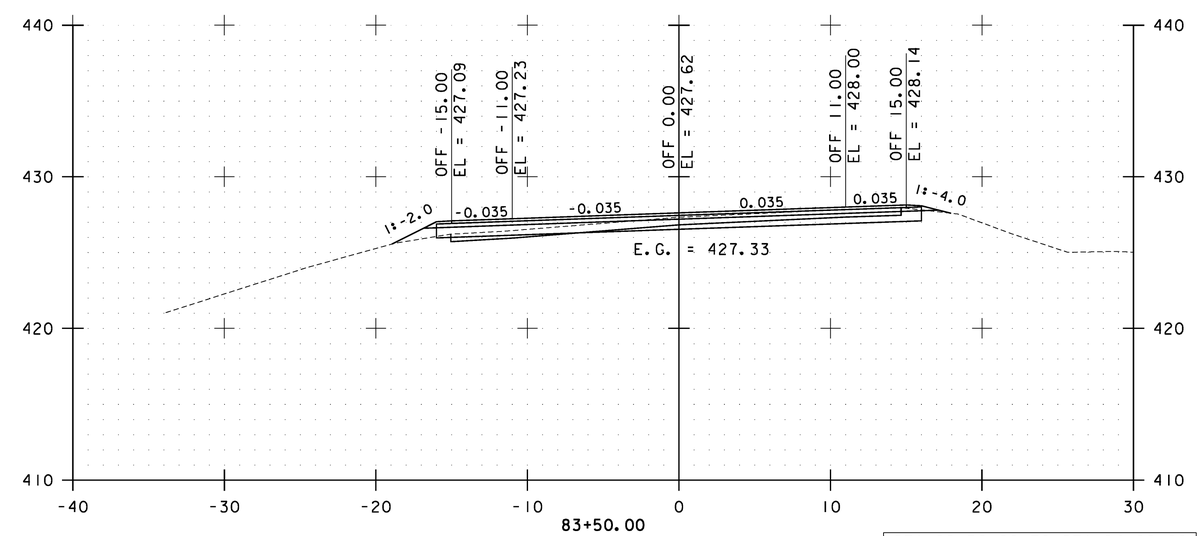
83+00.00



84+00.00



82+50.00



83+50.00

STA. 82+50.00 TO STA. 84+00.00

0 10 20
SCALE

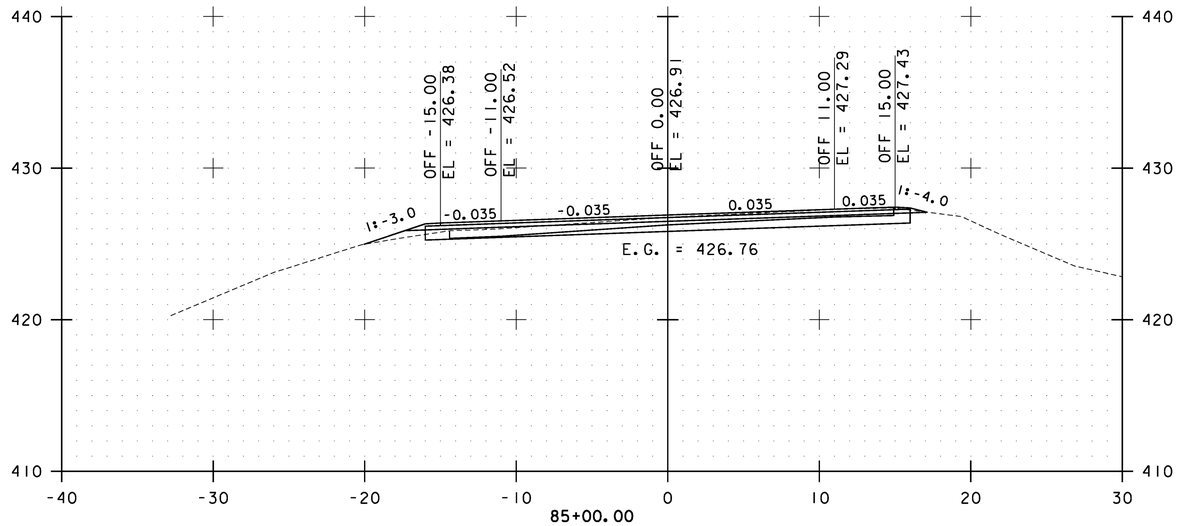
Stantec

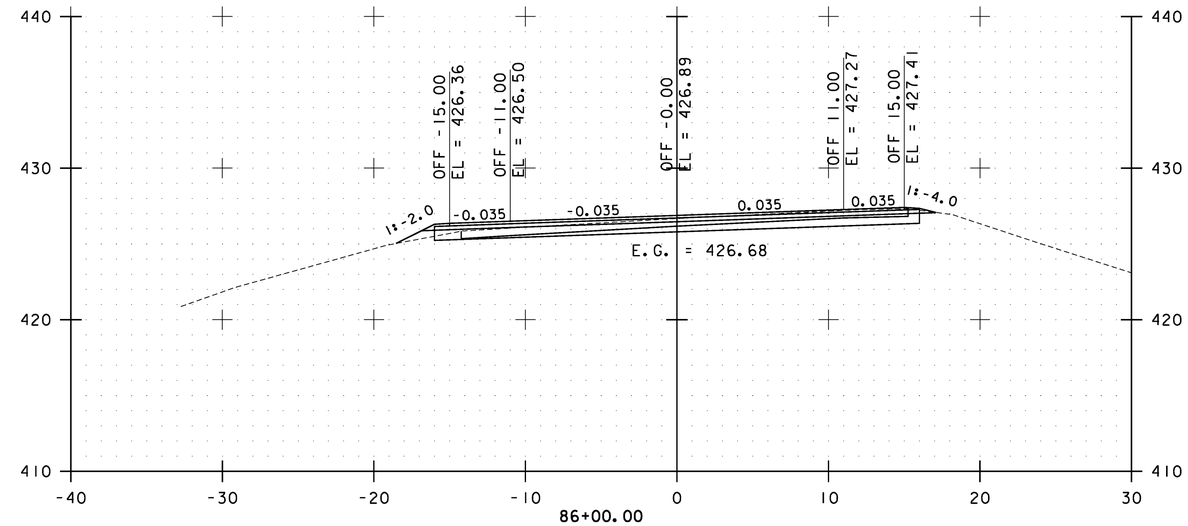
FLETCHER CROSS SECTIONS SHEET #33

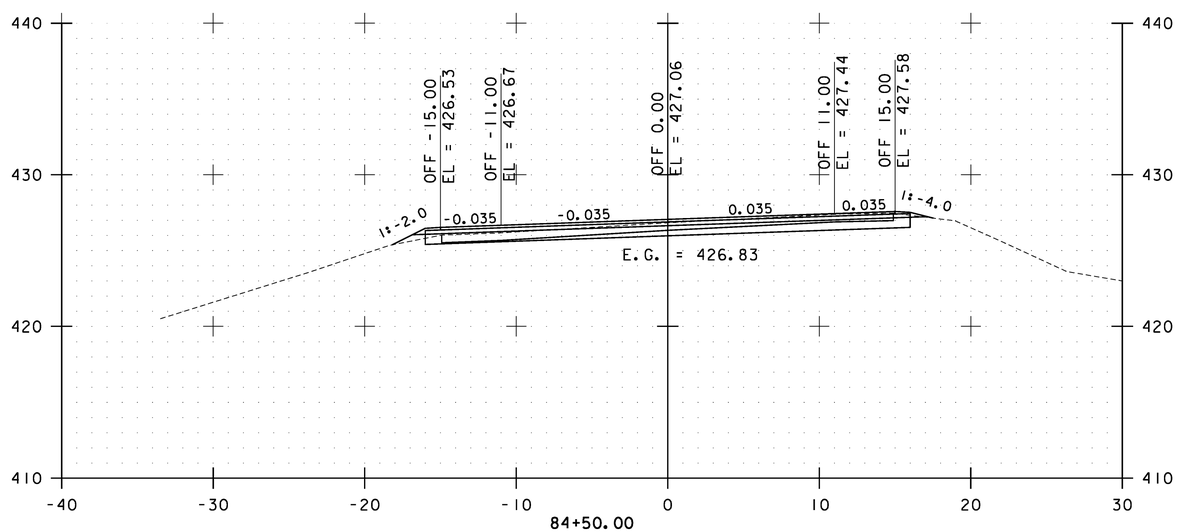
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

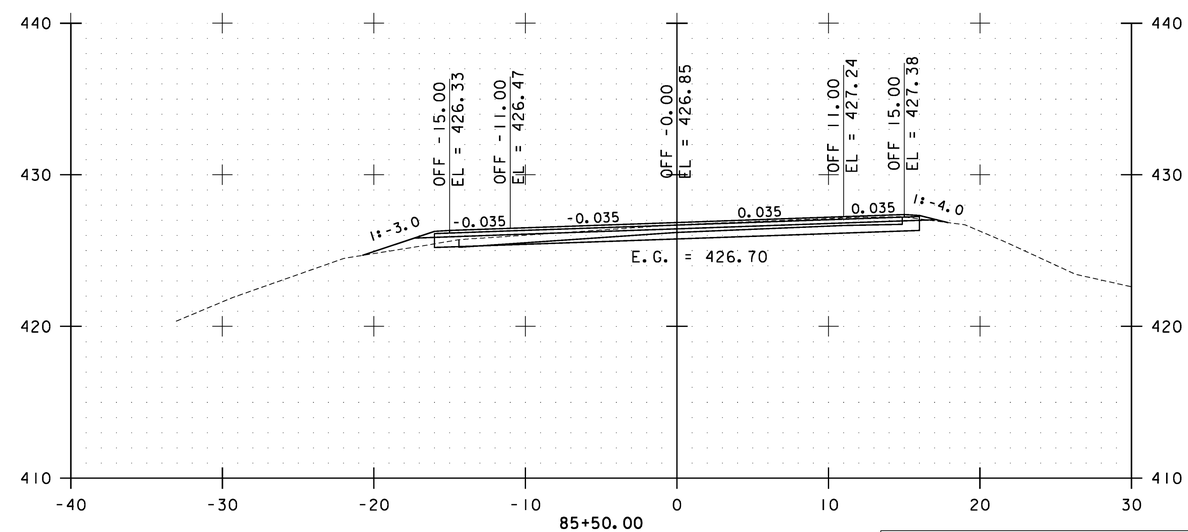
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs33.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 255 OF 387









STA. 84+50.00 TO STA. 86+00.00

0 10 20
SCALE

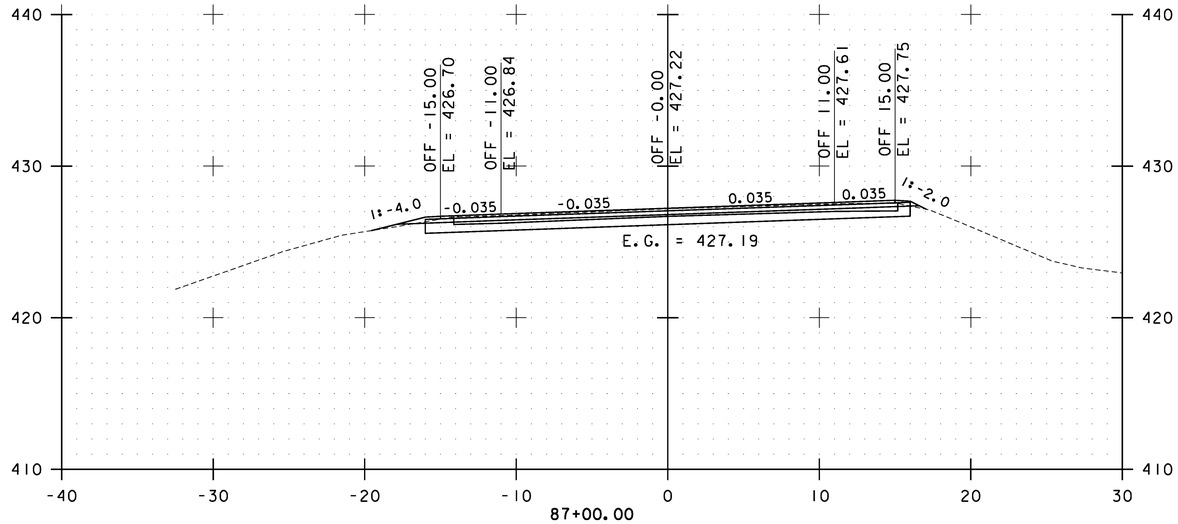
Stantec

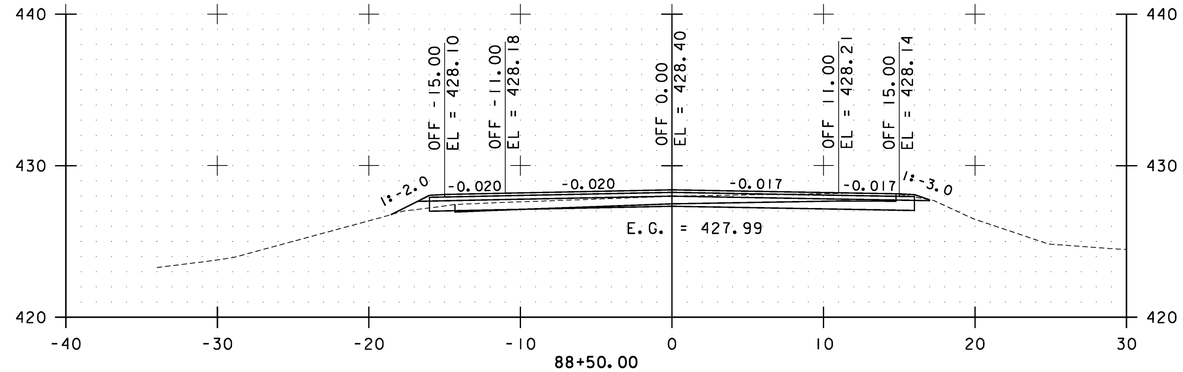
FLETCHER CROSS SECTIONS SHEET #34

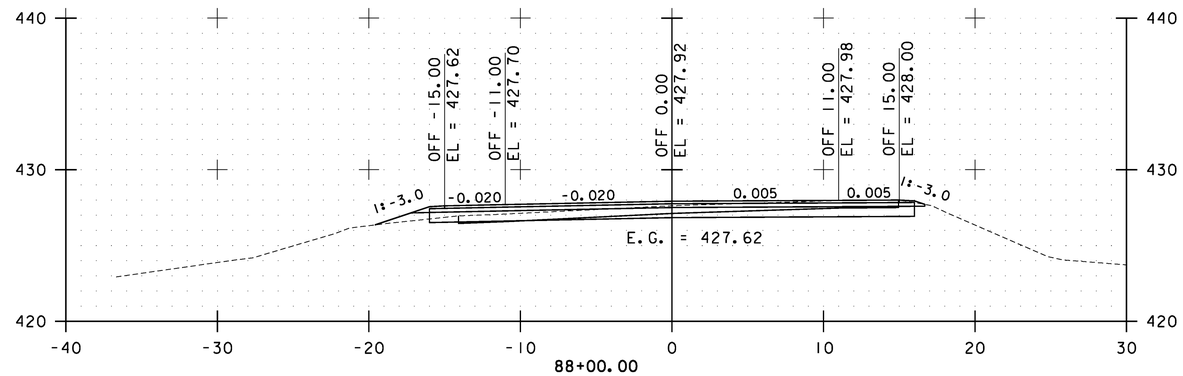
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

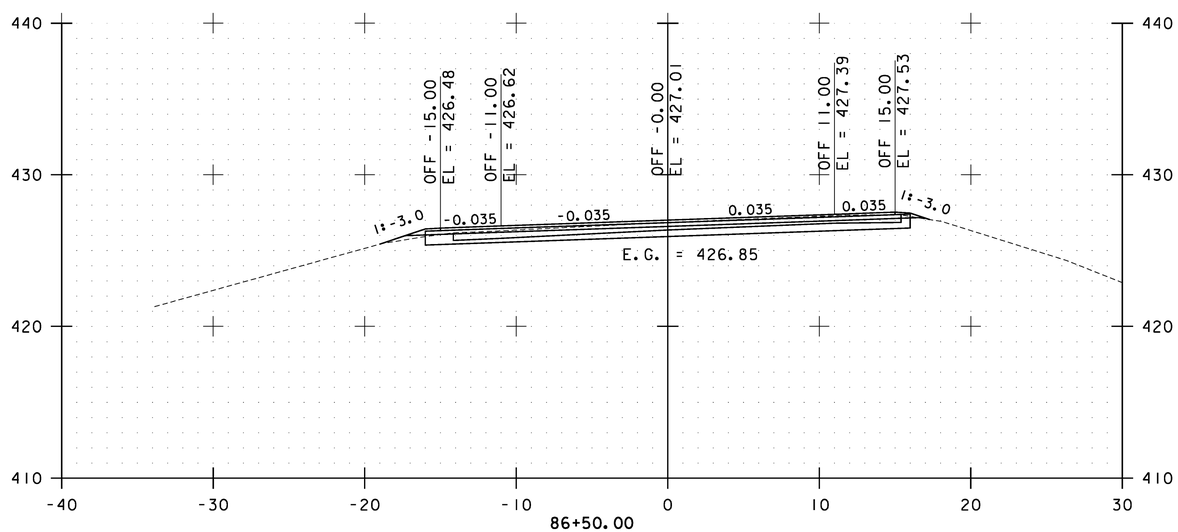
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs34.i

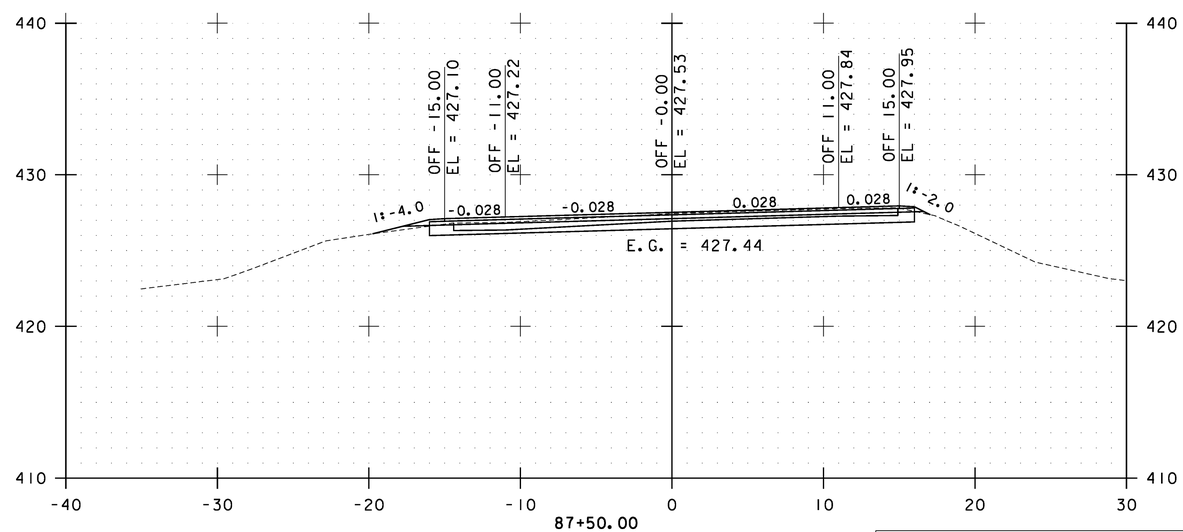
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 256 OF 387











STA. 86+50.00 TO STA. 88+50.00

0 10 20
SCALE

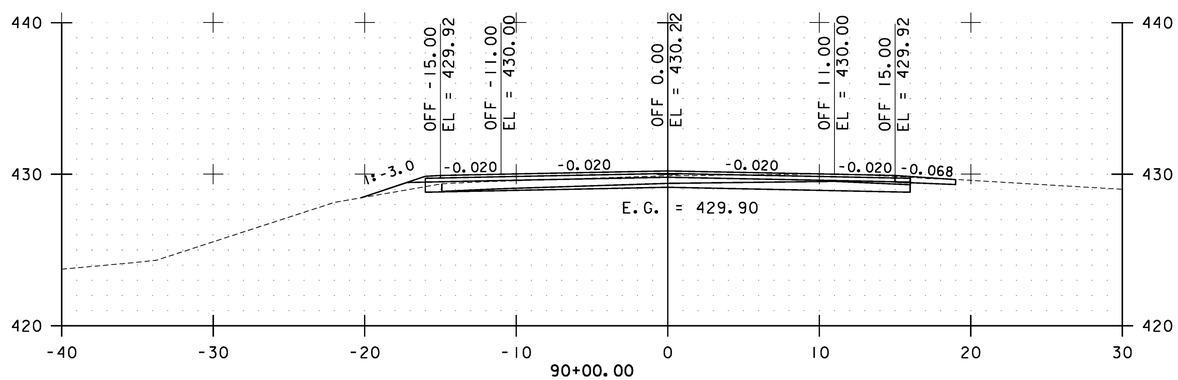
Stantec

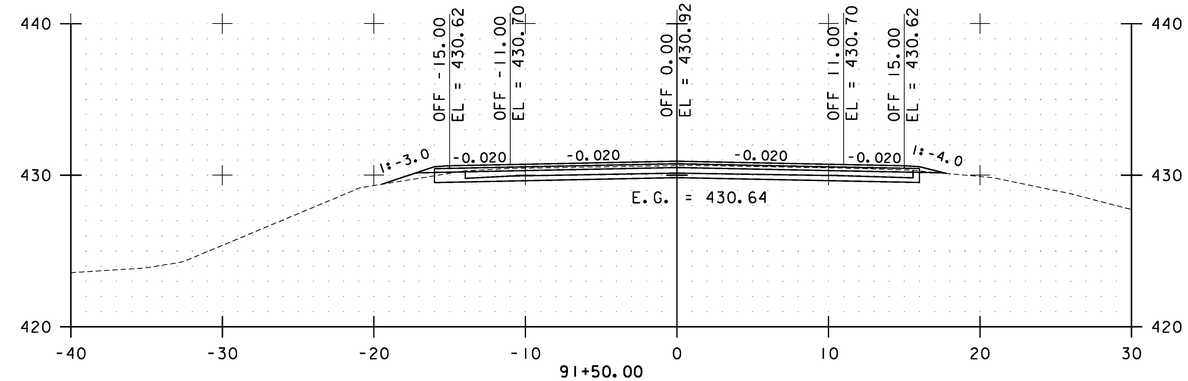
FLETCHER CROSS SECTIONS SHEET #35

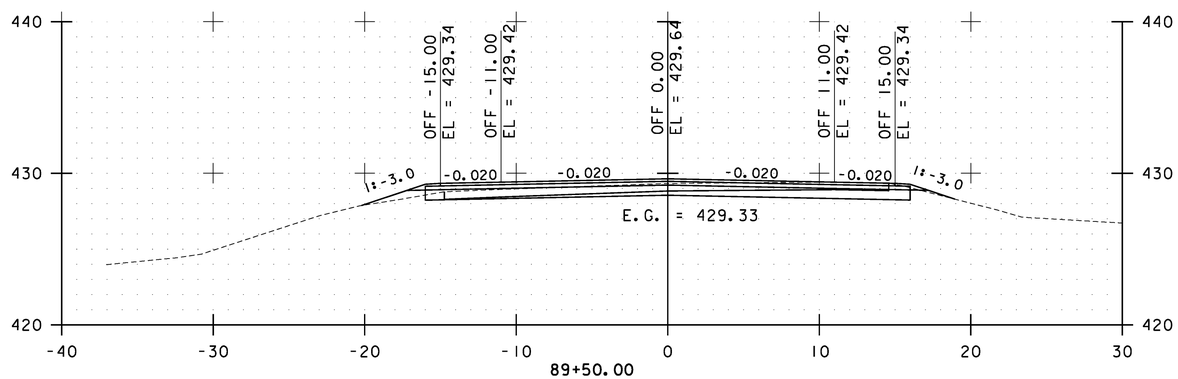
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

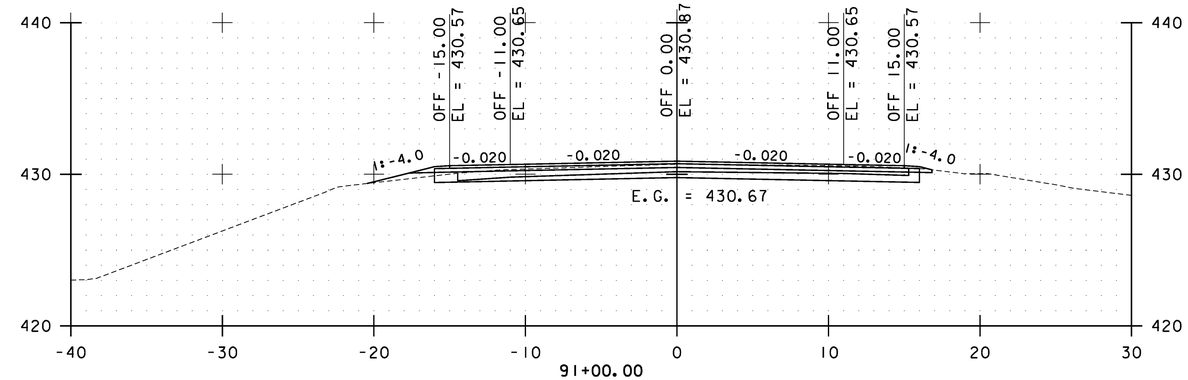
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs35.i

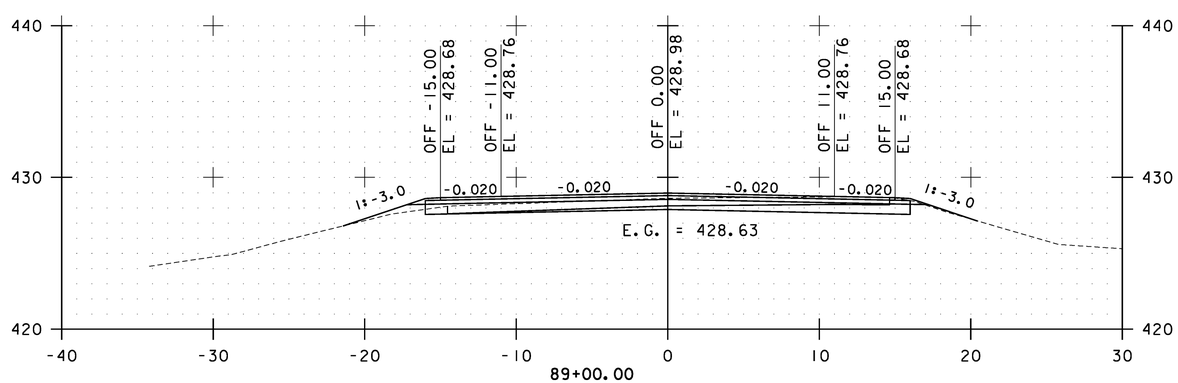
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 257 OF 387

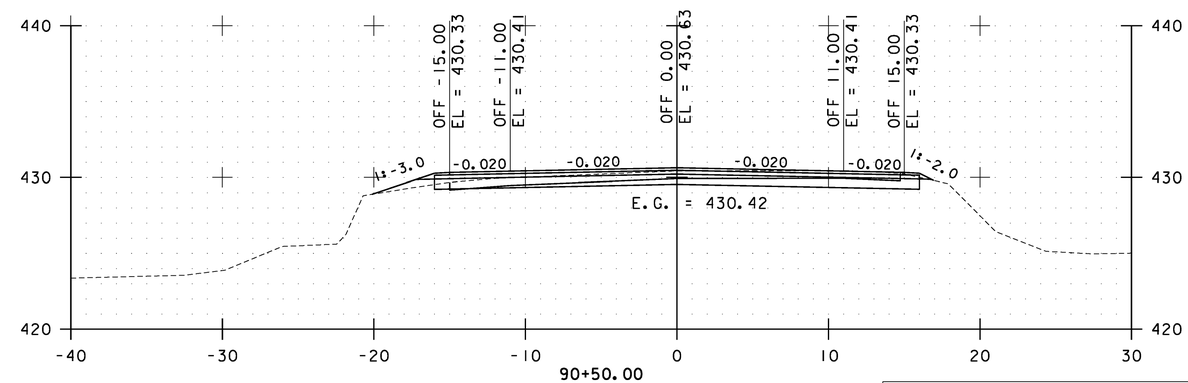












STA. 89+00.00 TO STA. 91+50.00

0 10 20
SCALE

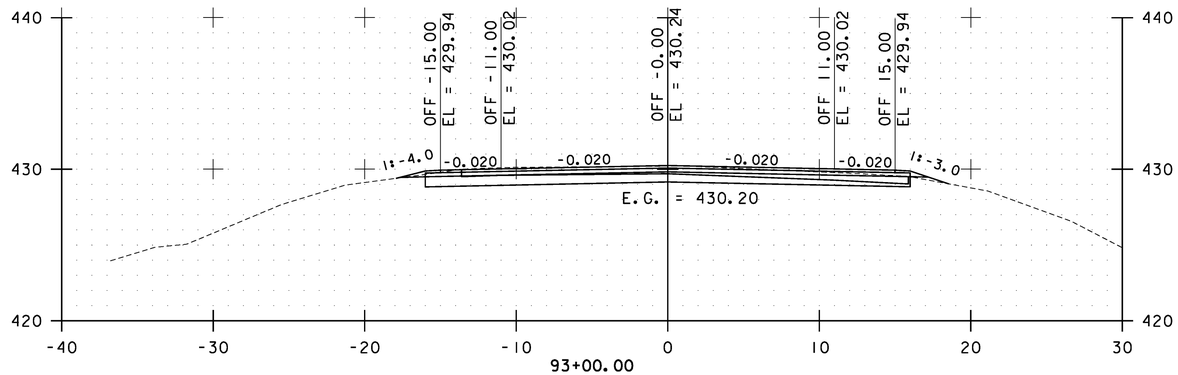
Stantec

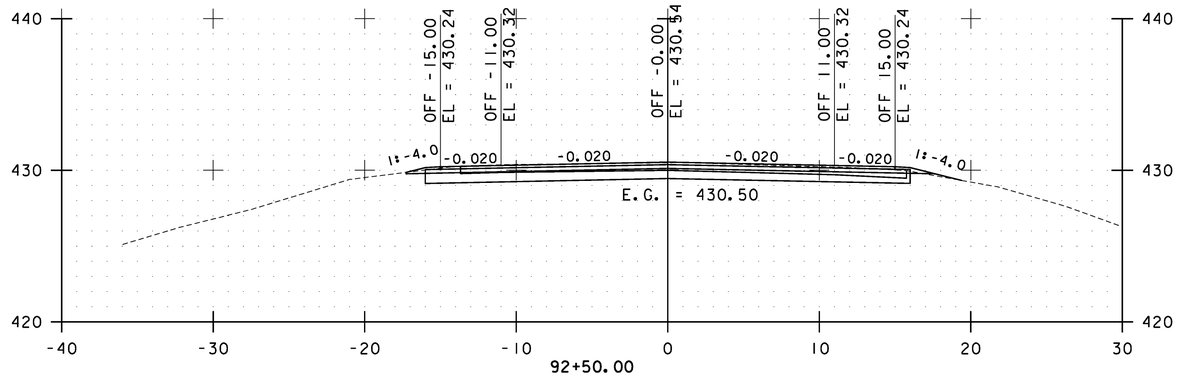
FLETCHER CROSS SECTIONS SHEET #36

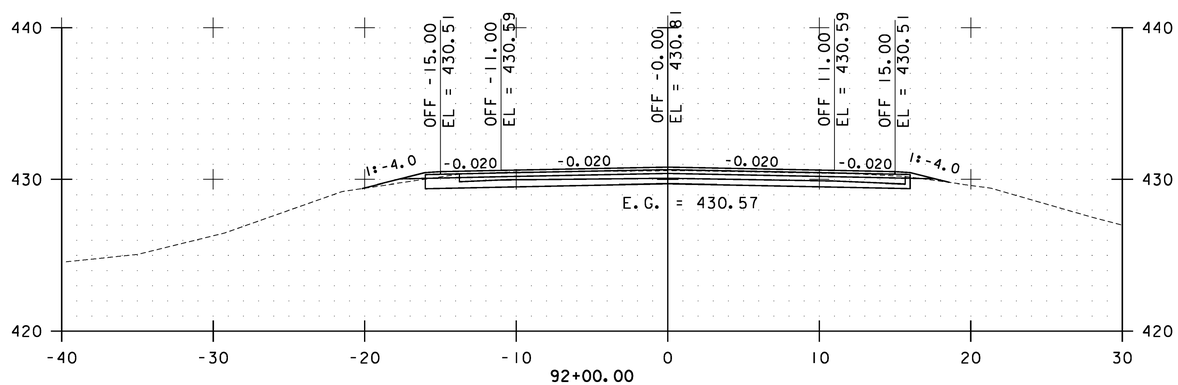
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

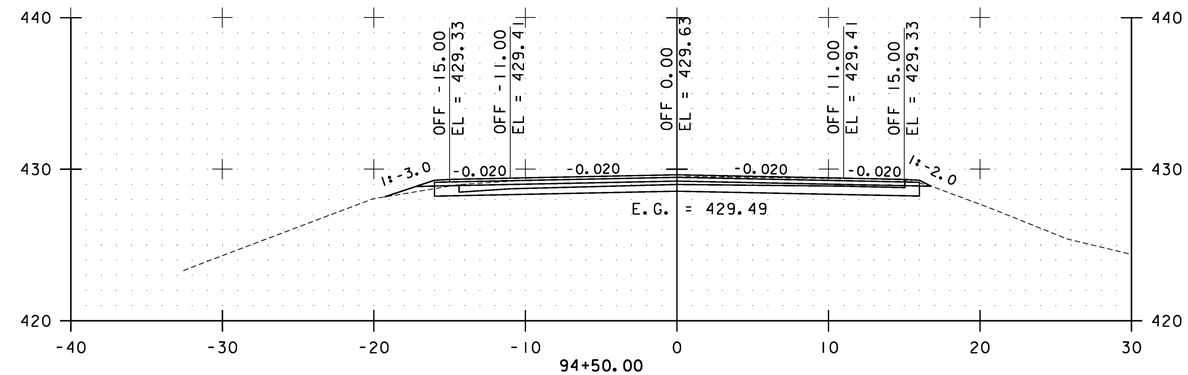
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs36.i

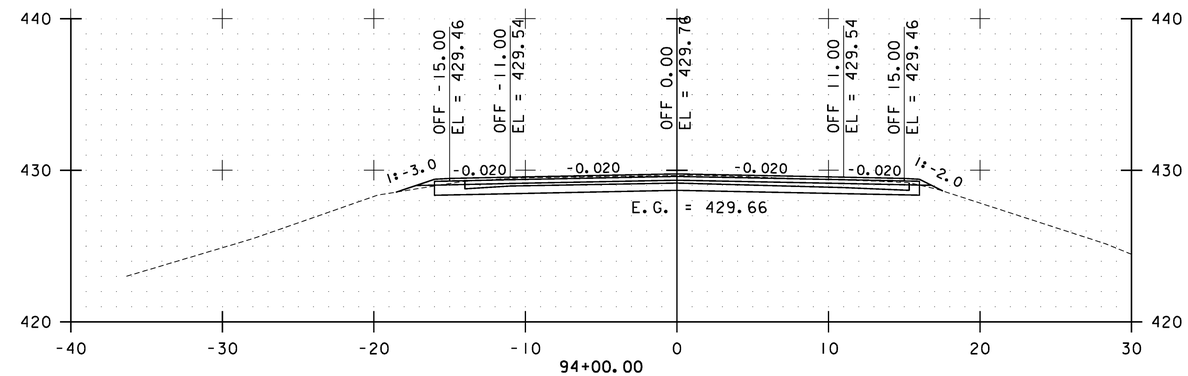
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 258 OF 387

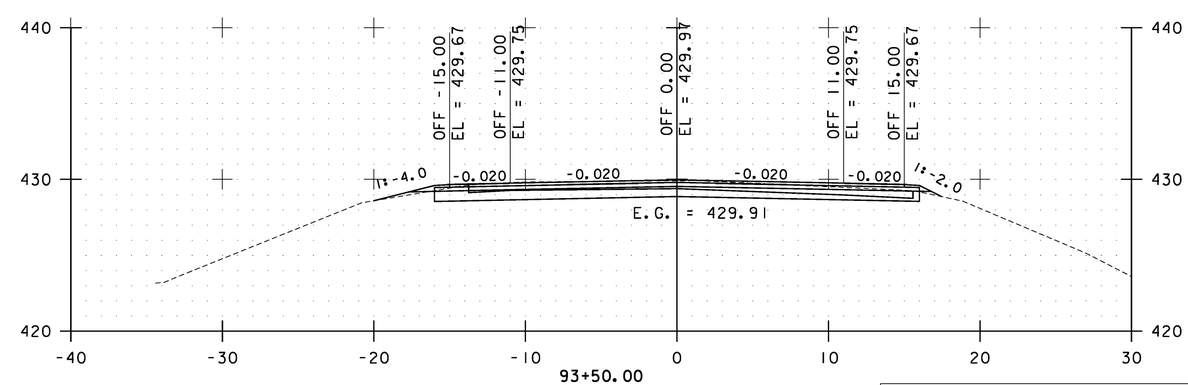












STA. 92+00.00 TO STA. 94+50.00

0 10 20
SCALE

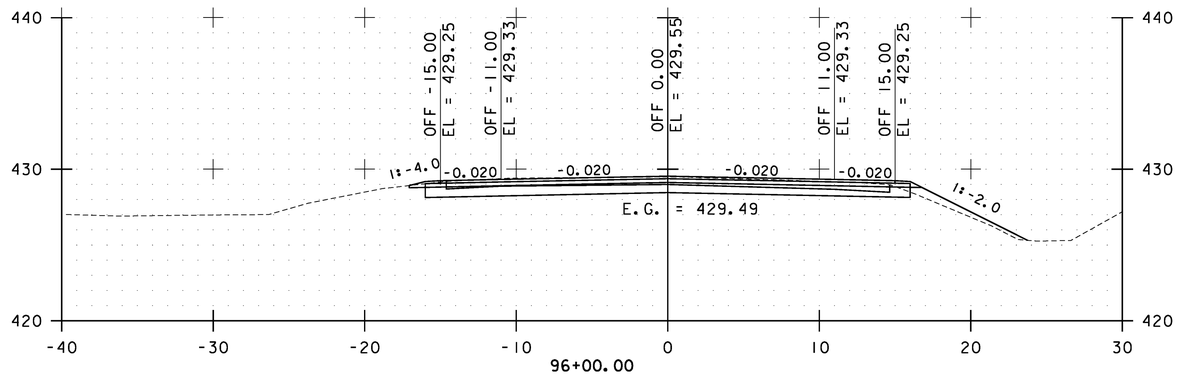
Stantec

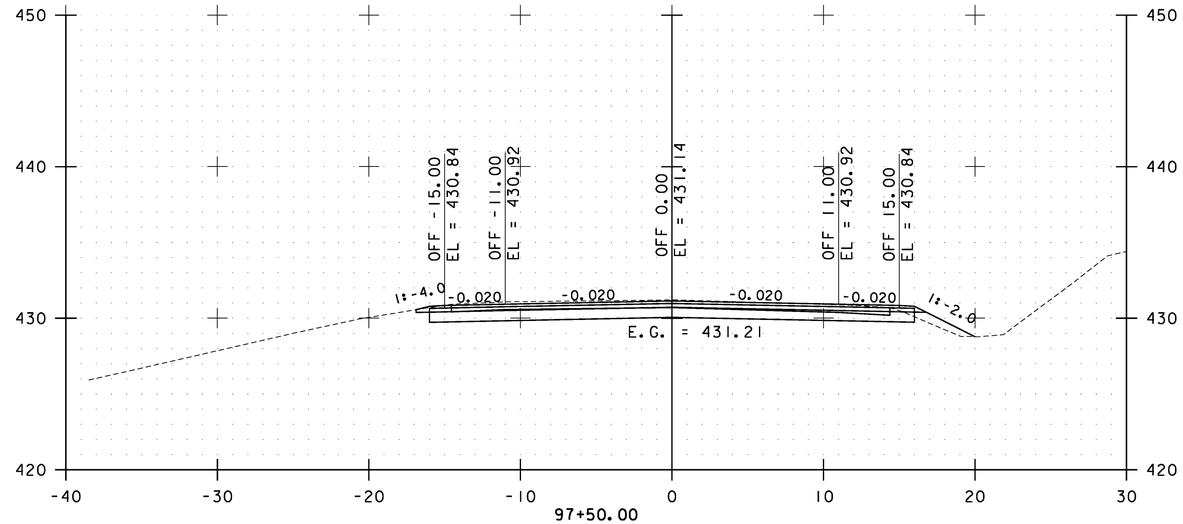
FLETCHER CROSS SECTIONS SHEET #37

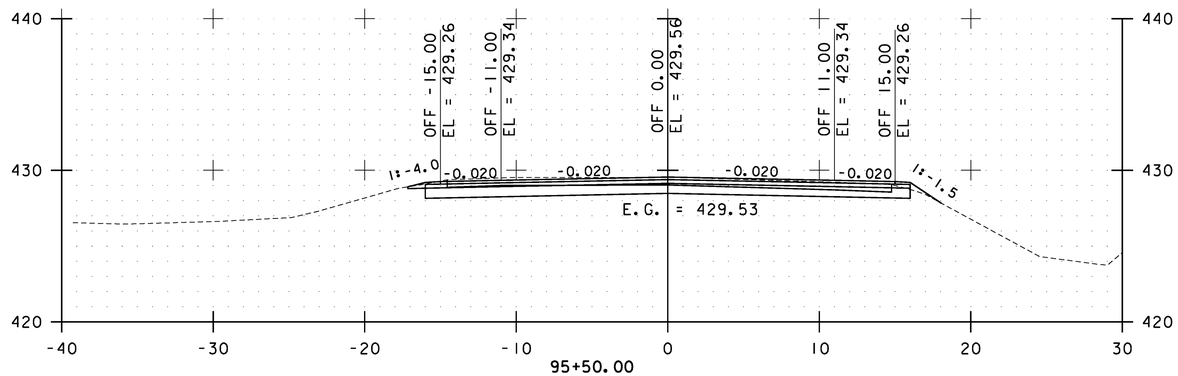
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

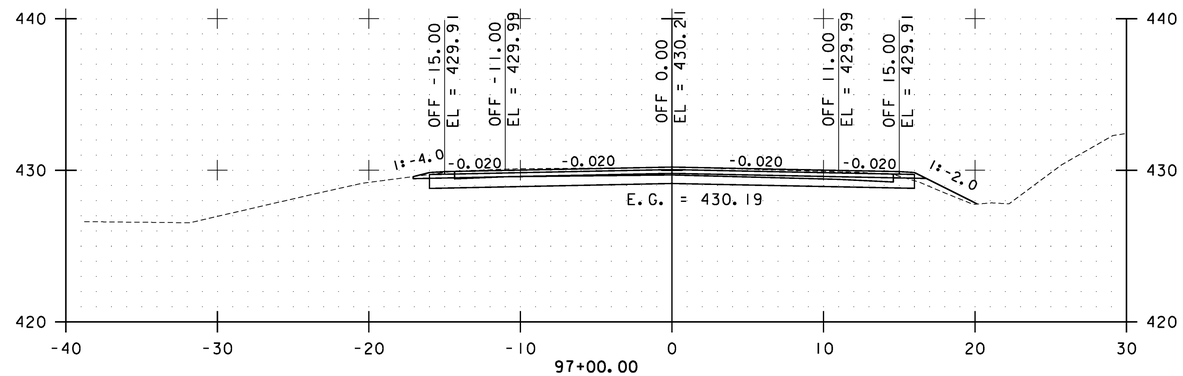
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs37.i

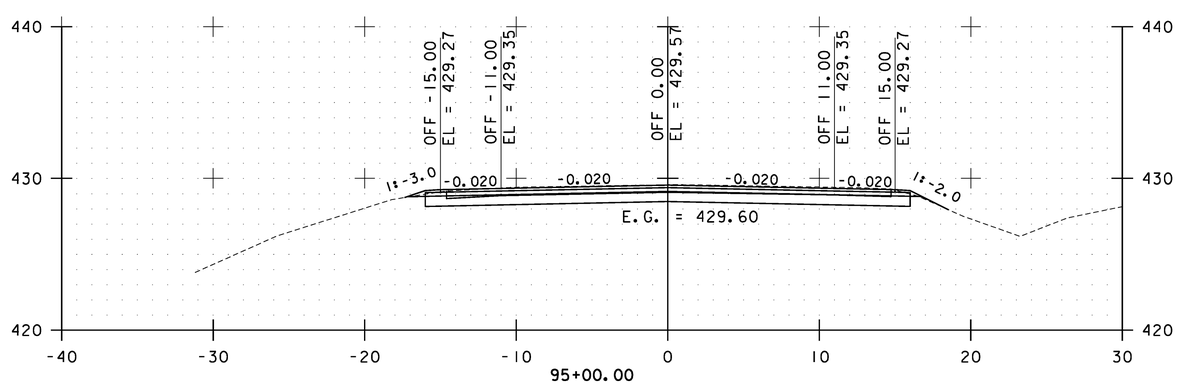
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 259 OF 387

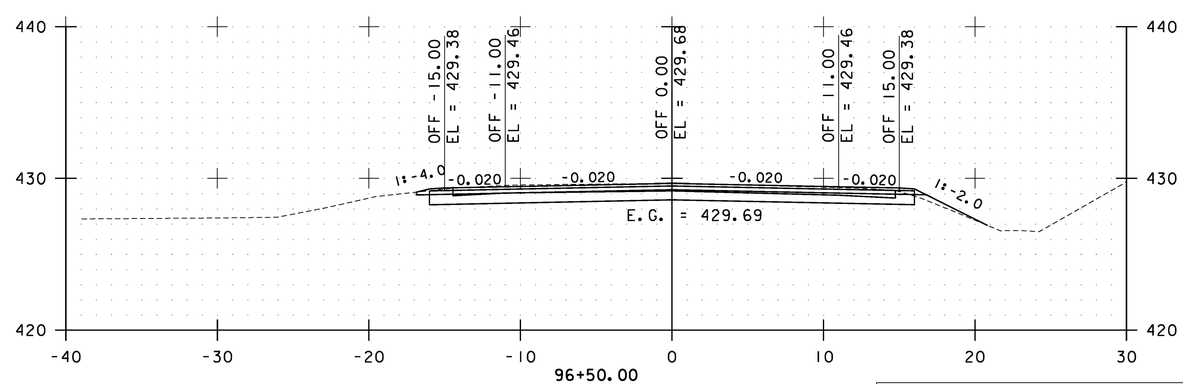












STA. 95+00.00 TO STA. 97+50.00

0 10 20
SCALE

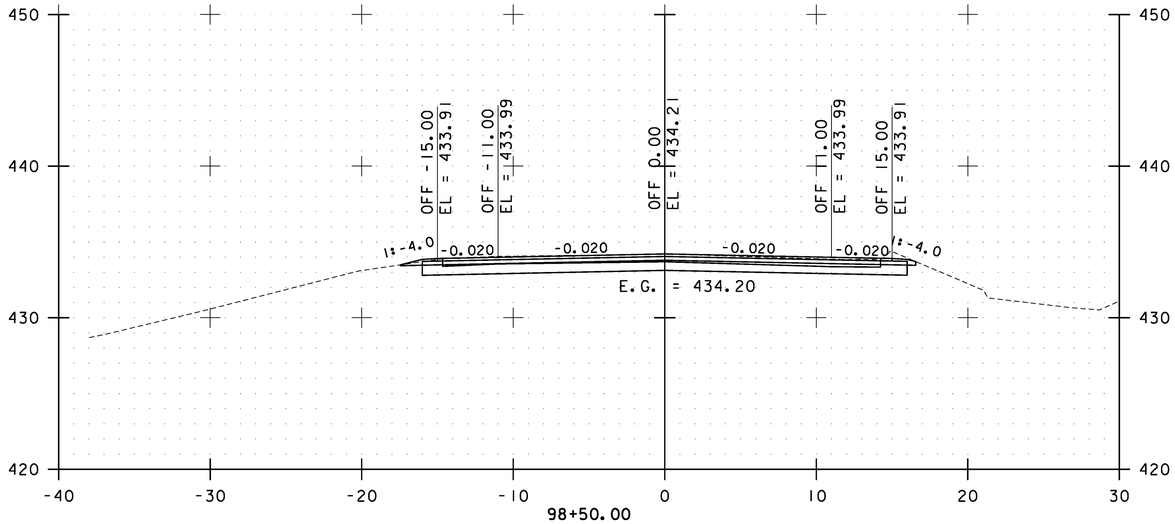
Stantec

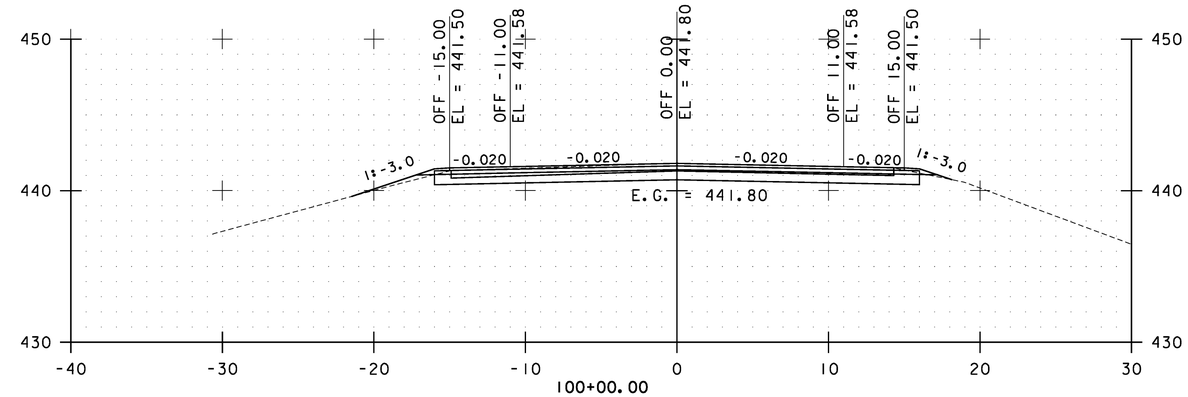
FLETCHER CROSS SECTIONS SHEET #38

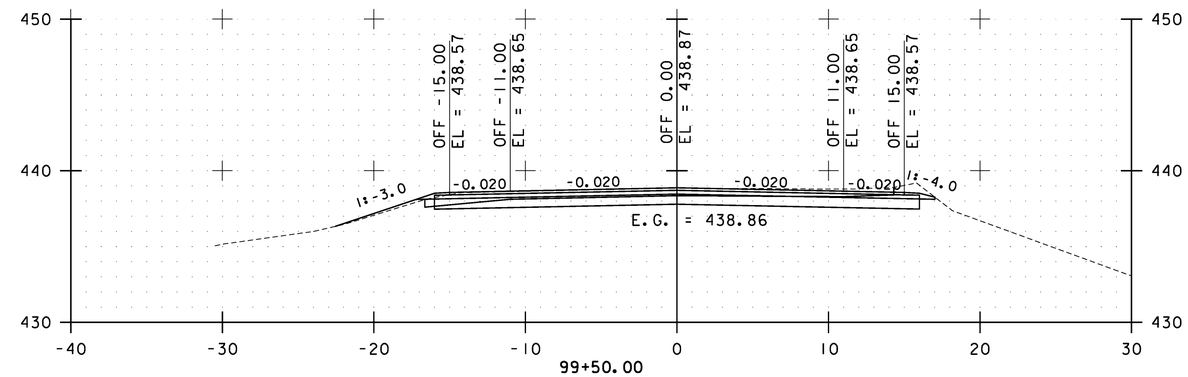
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

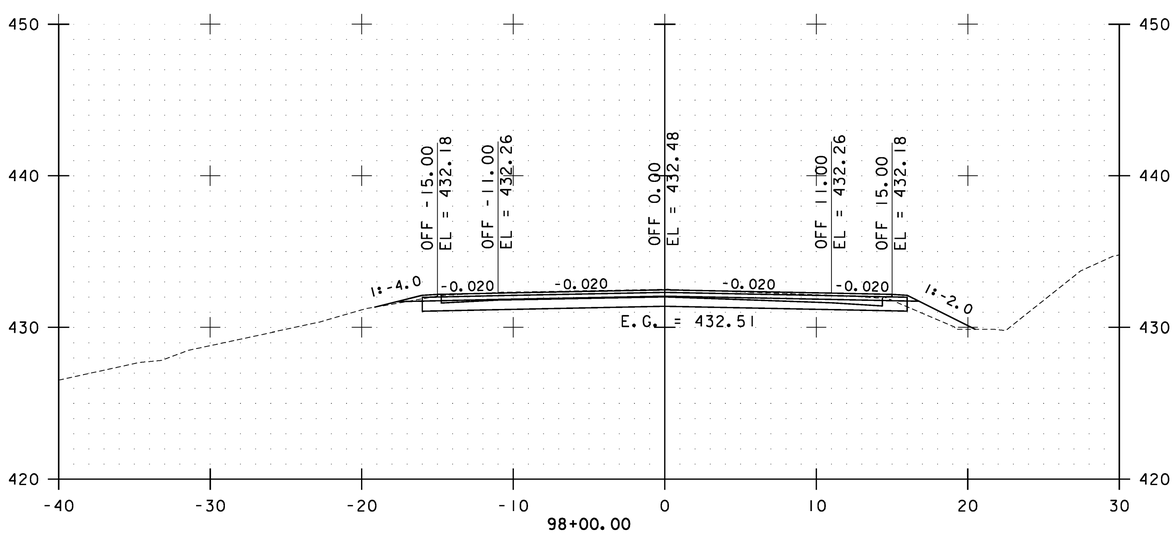
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs38.i

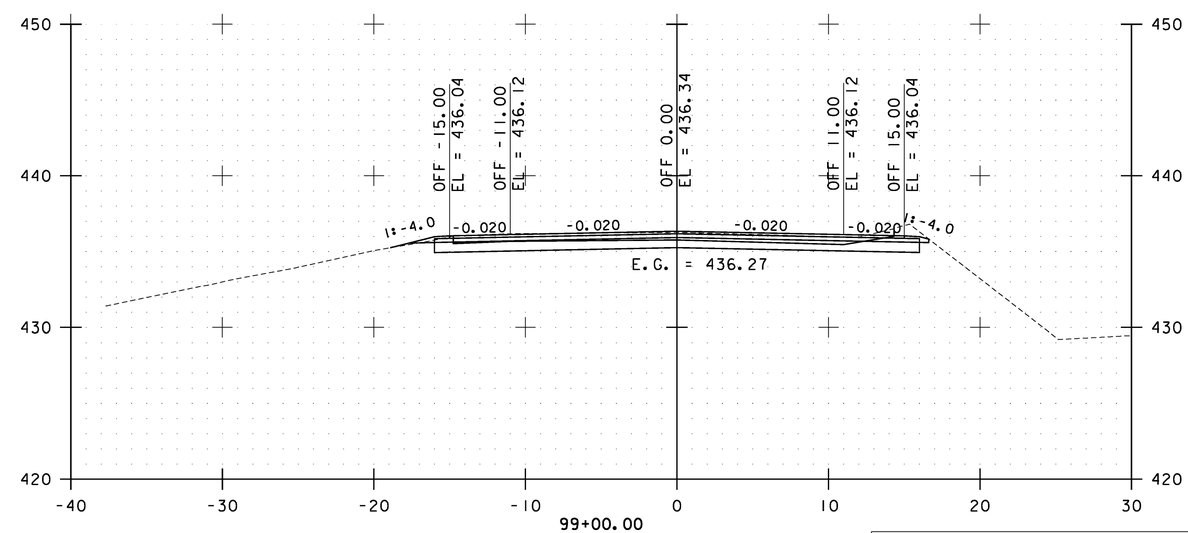
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 260 OF 387











STA. 98+00.00 TO STA. 100+00.00

0 10 20
SCALE

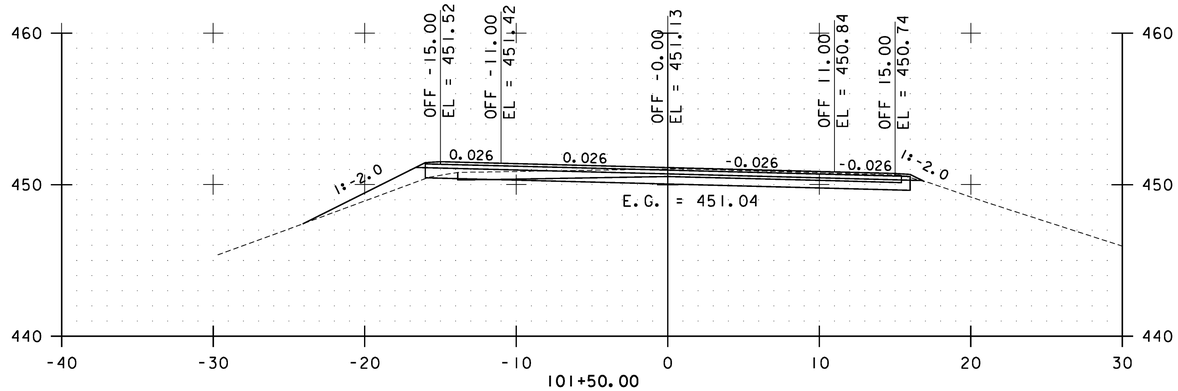
Stantec

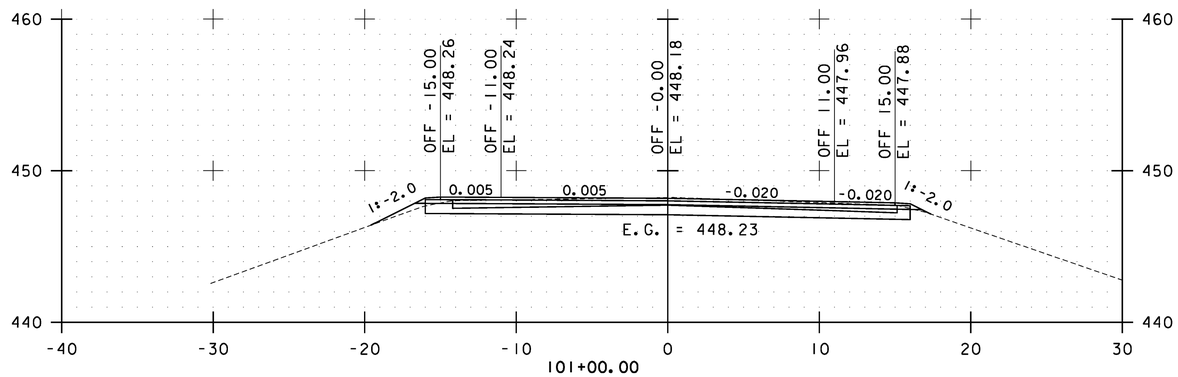
FLETCHER CROSS SECTIONS SHEET #39

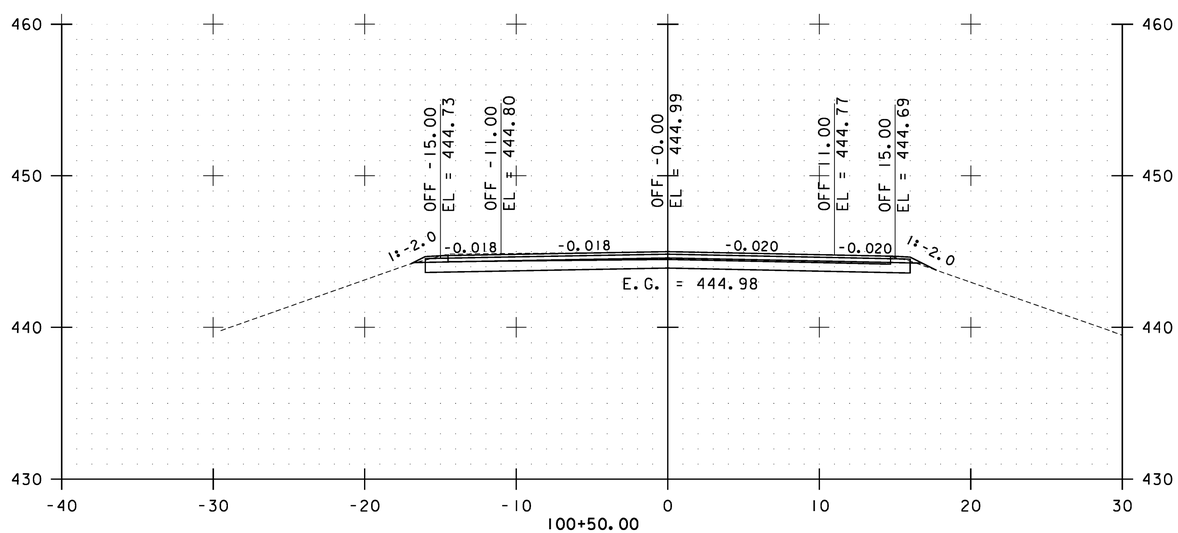
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

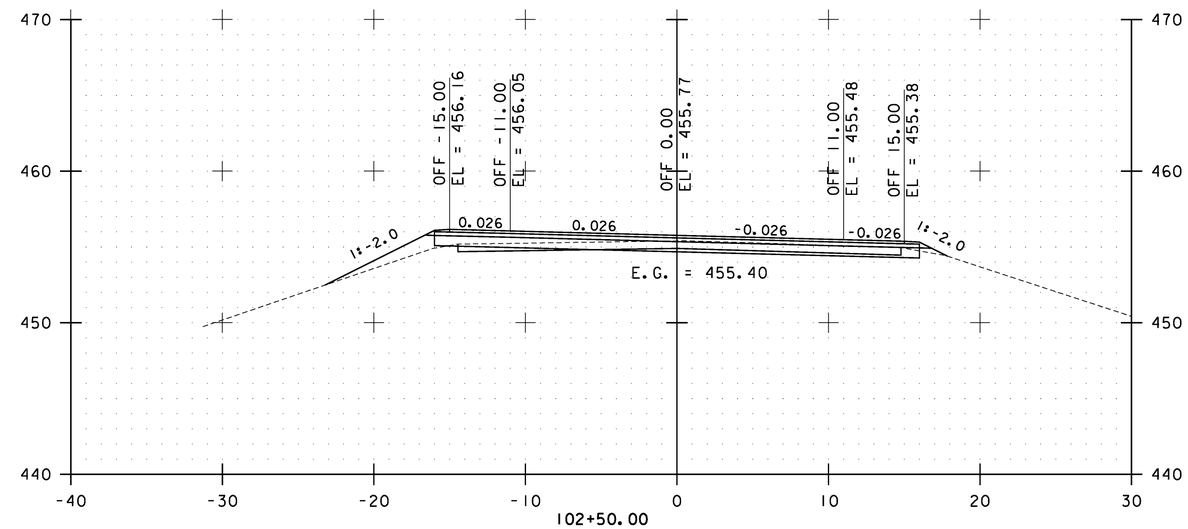
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs39.i

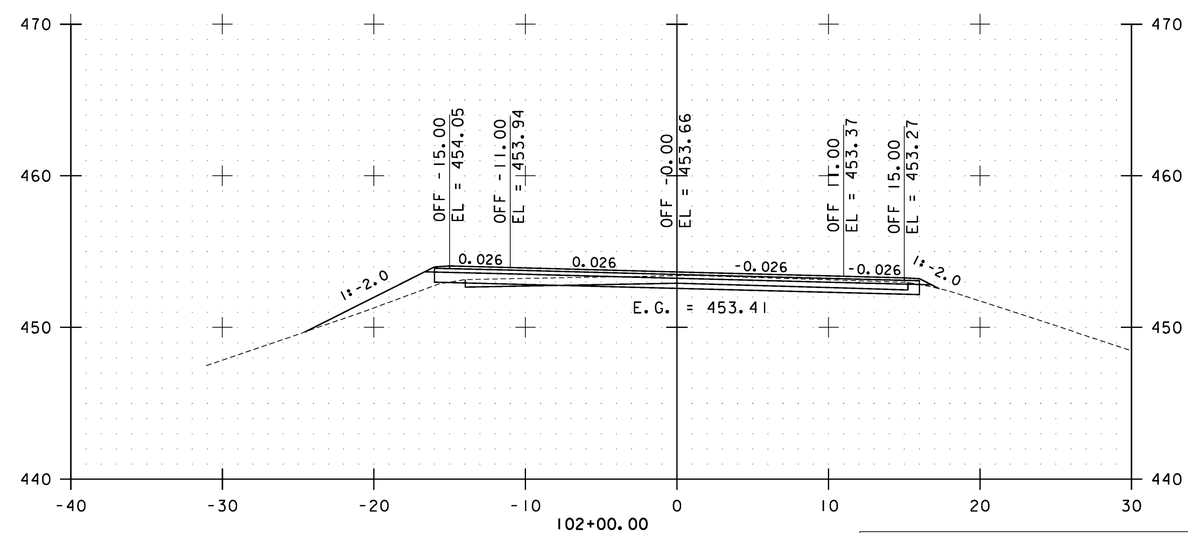
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 261 OF 387











STA. 100+50.00 TO STA. 102+50.00

0 10 20
SCALE

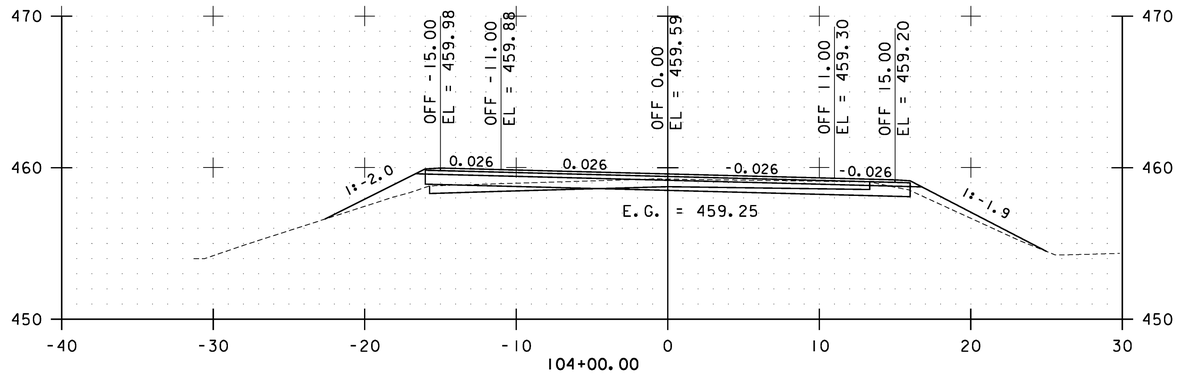
Stantec

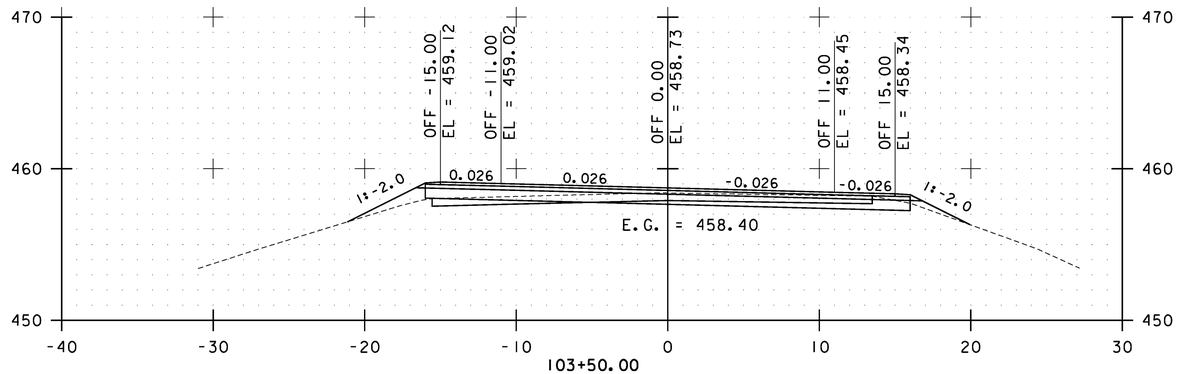
FLETCHER CROSS SECTIONS SHEET #40

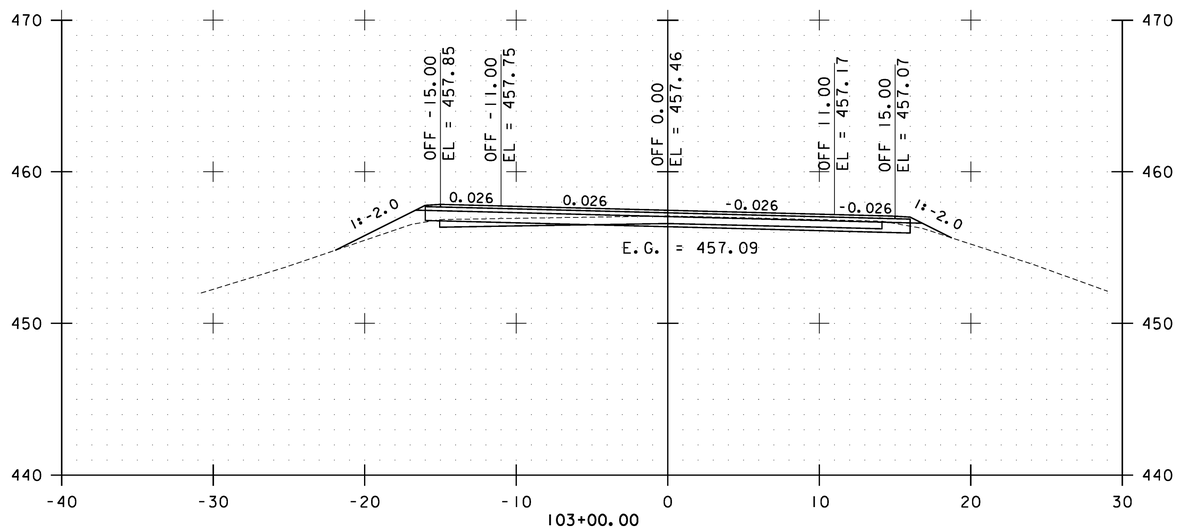
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

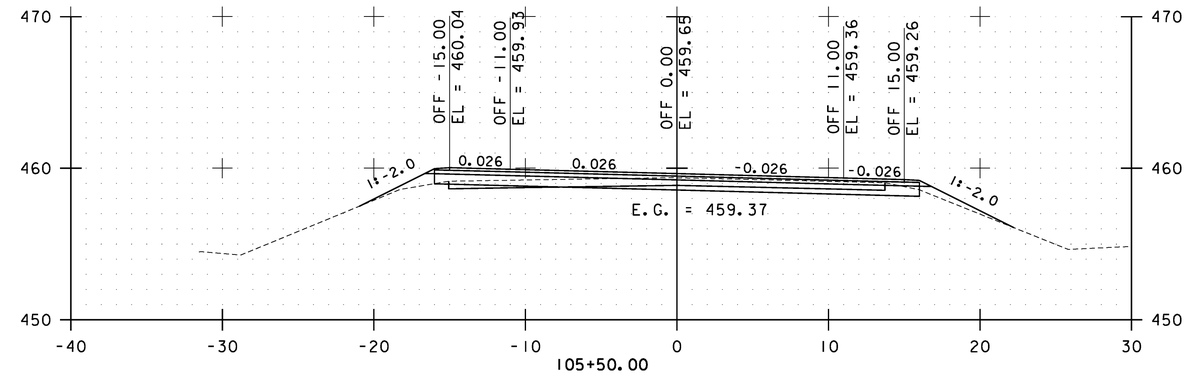
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs40.i

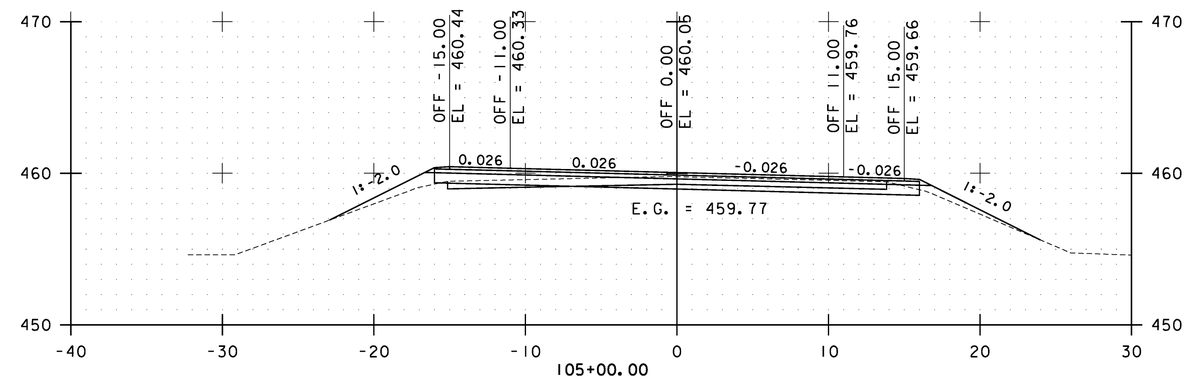
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 262 OF 387

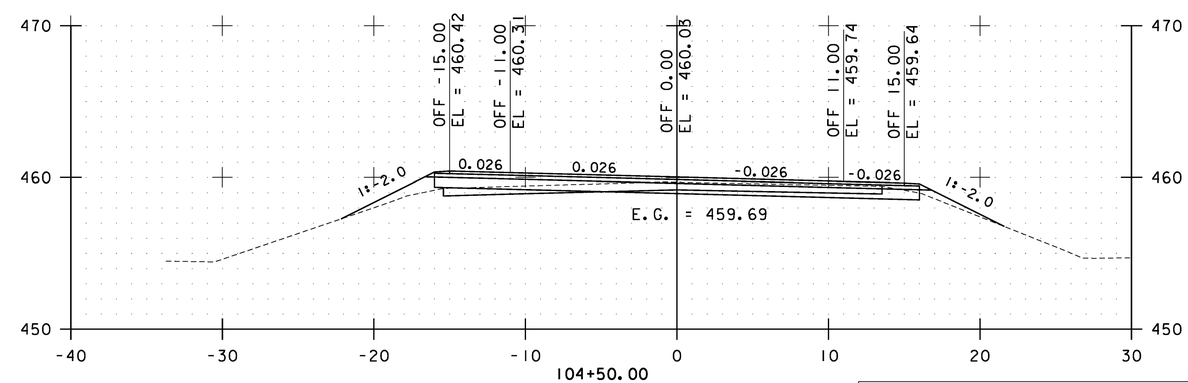












STA. 103+00.00 TO STA. 105+50.00

0 10 20
SCALE

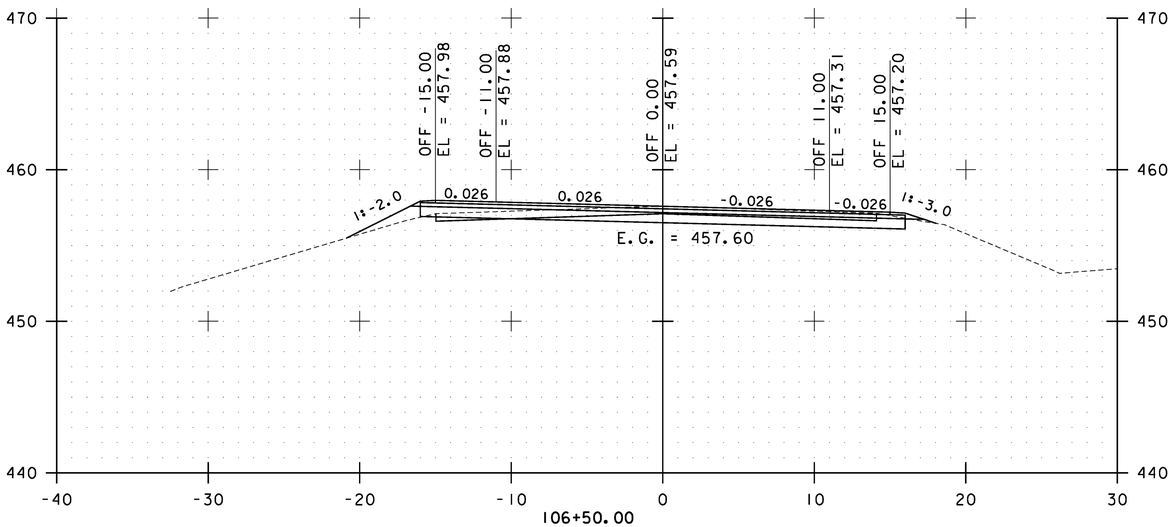
Stantec

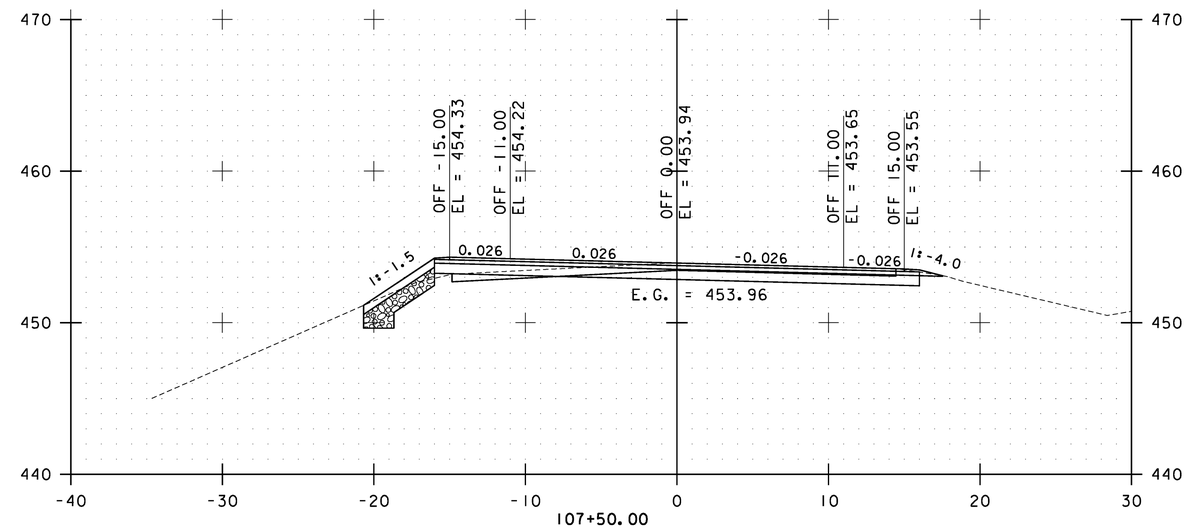
FLETCHER CROSS SECTIONS SHEET #41

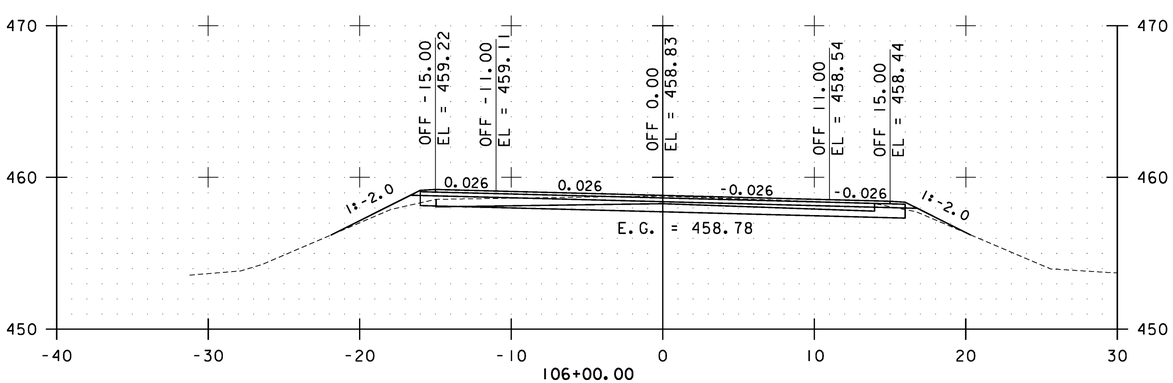
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

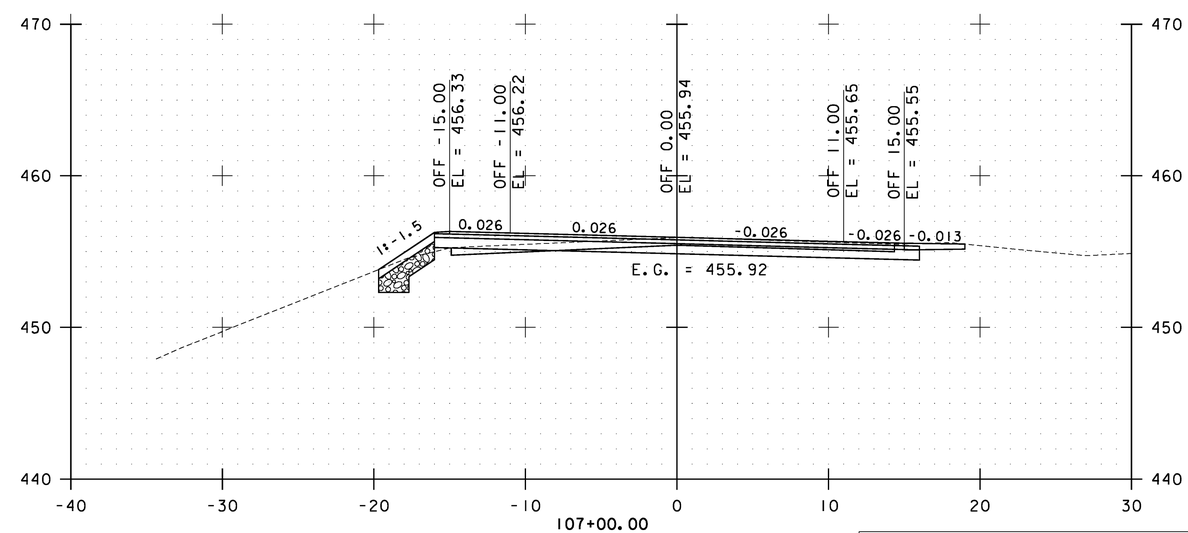
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs41.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 263 OF 387









STA. 106+00.00 TO STA. 107+50.00

0 10 20
SCALE

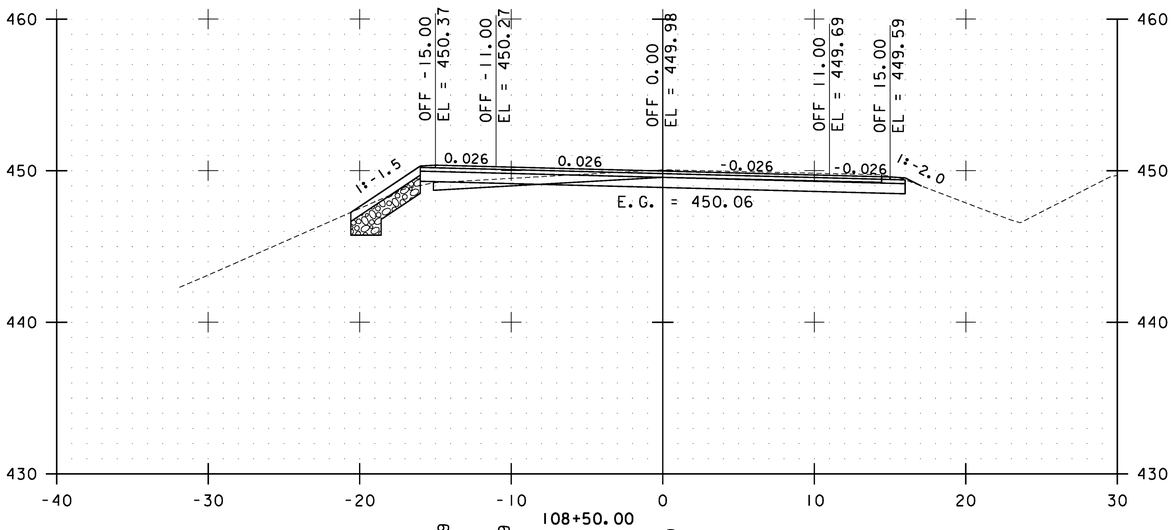
Stantec

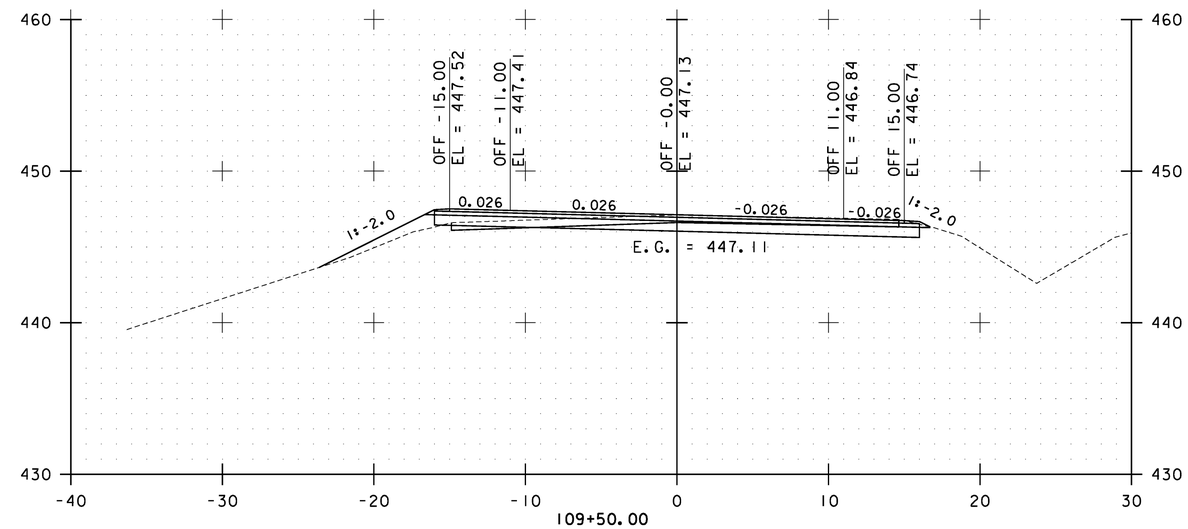
FLETCHER CROSS SECTIONS SHEET #42

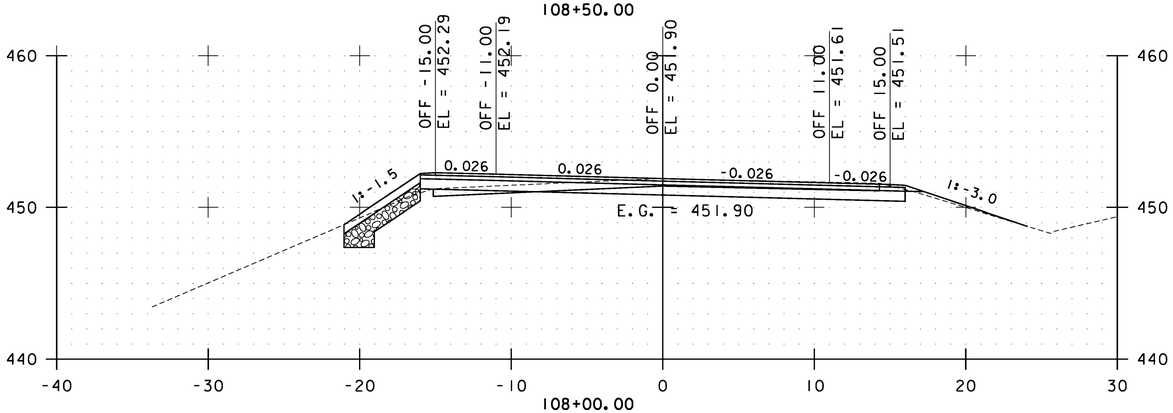
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

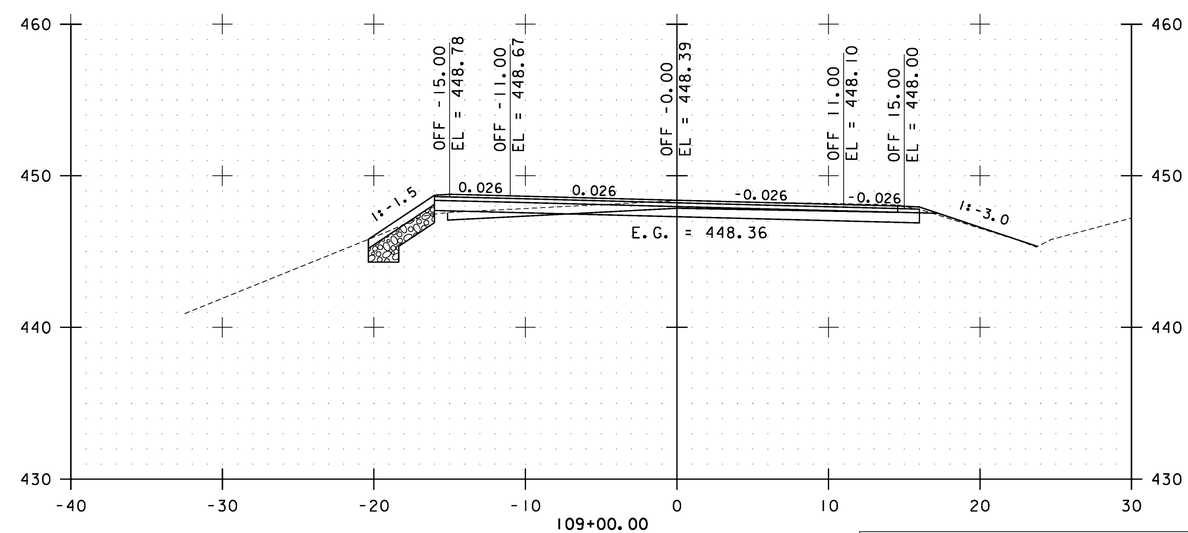
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs42.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 264 OF 387









STA. 108+00.00 TO STA. 109+50.00

0 10 20
SCALE

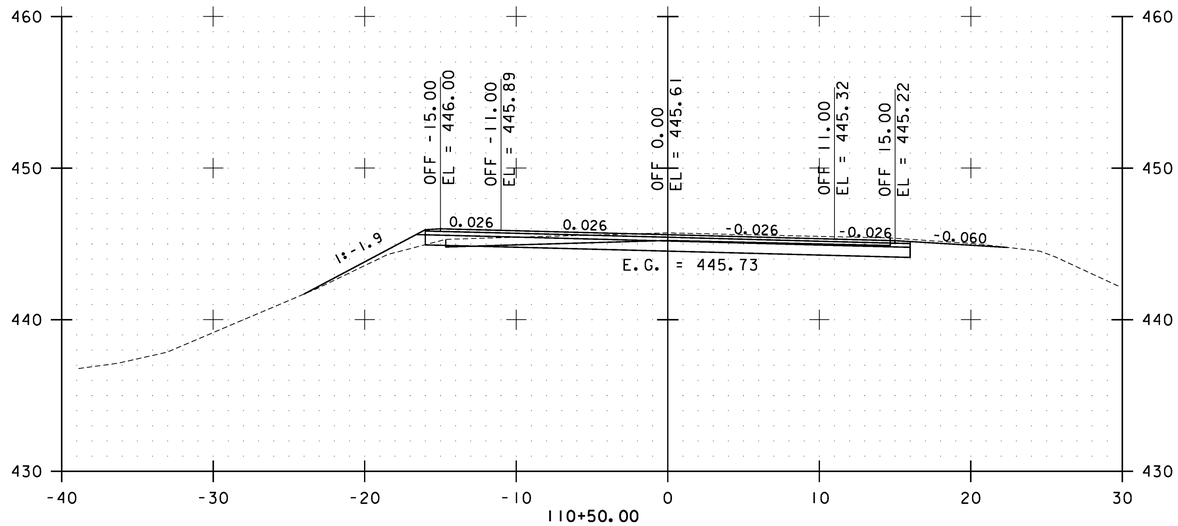
Stantec

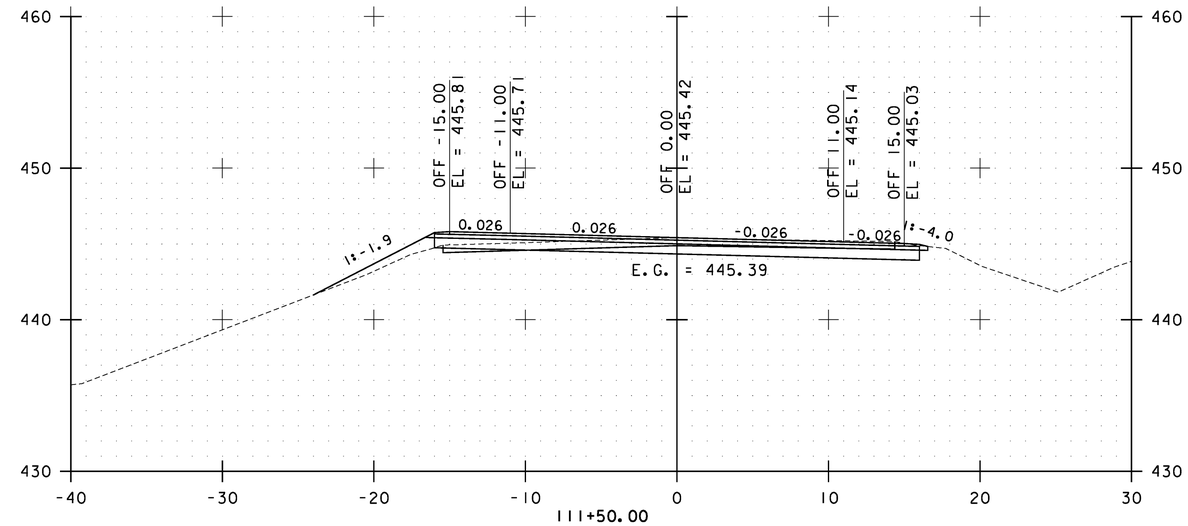
FLETCHER CROSS SECTIONS SHEET #43

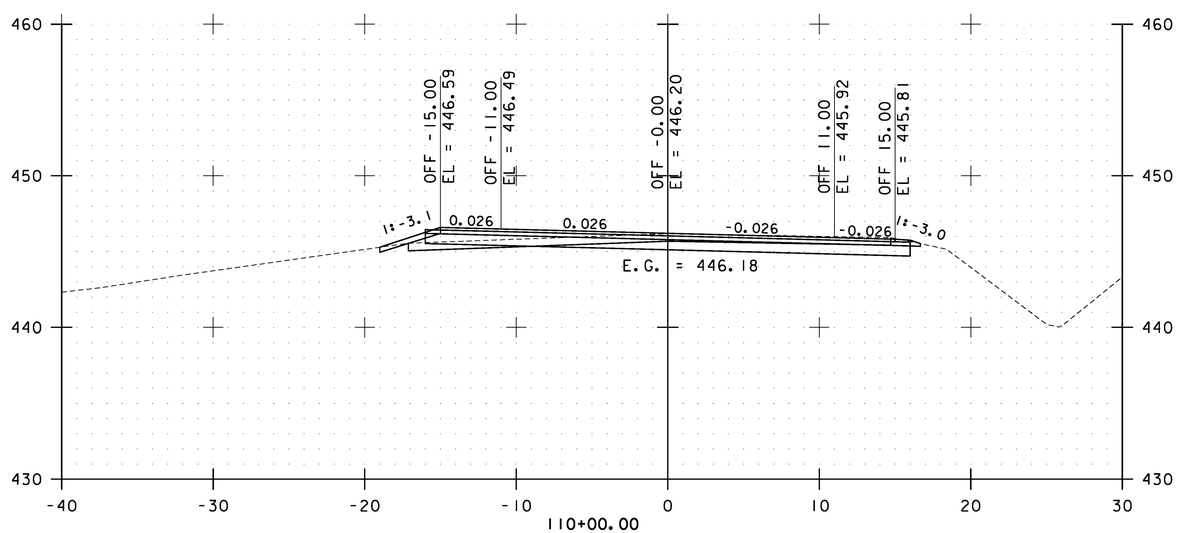
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

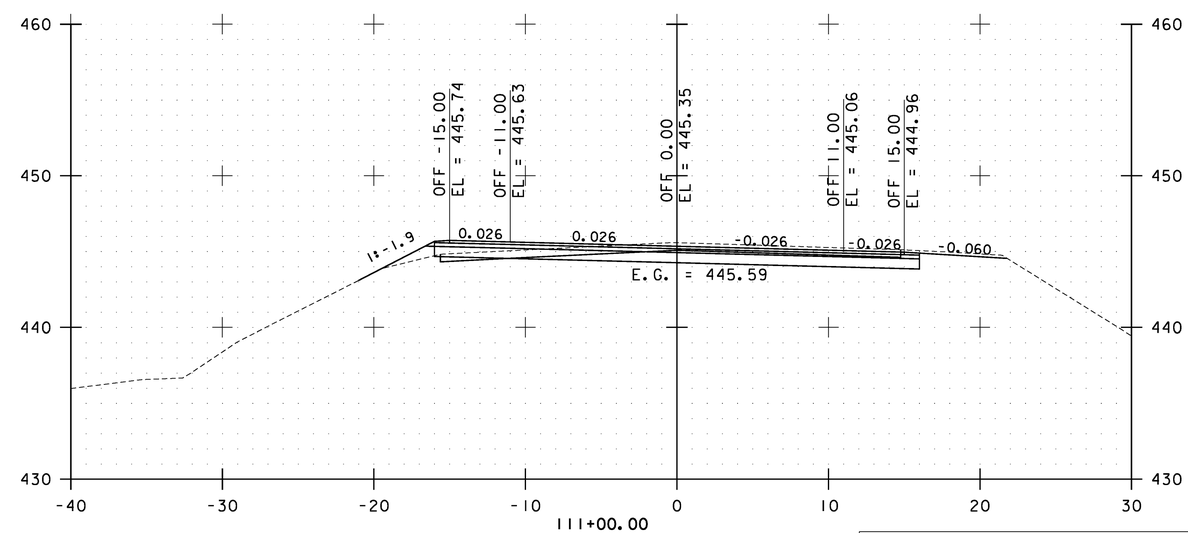
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs43.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 265 OF 387









STA. 110+00.00 TO STA. 111+50.00

0 10 20
SCALE

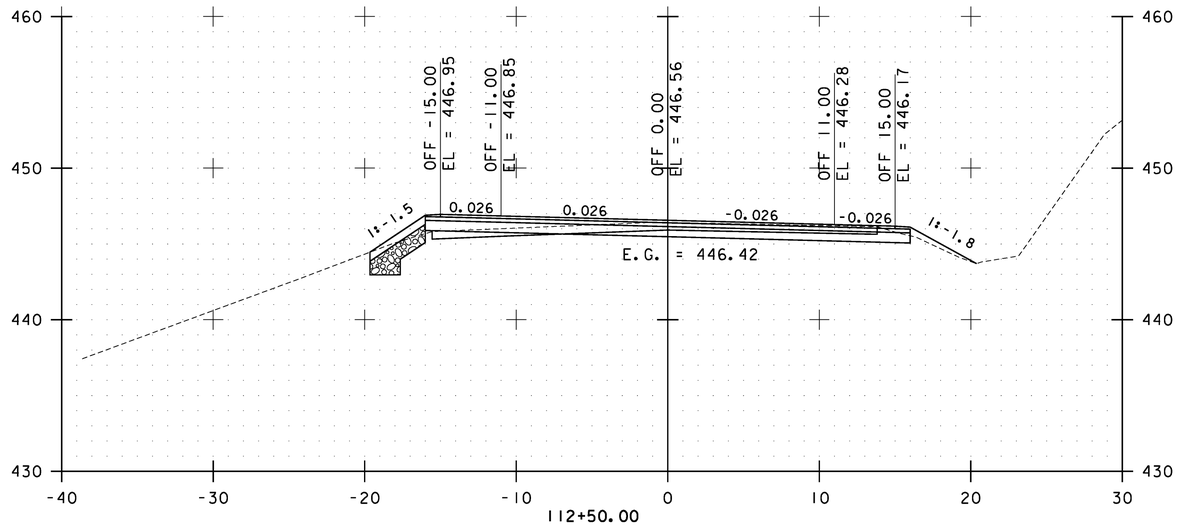
Stantec

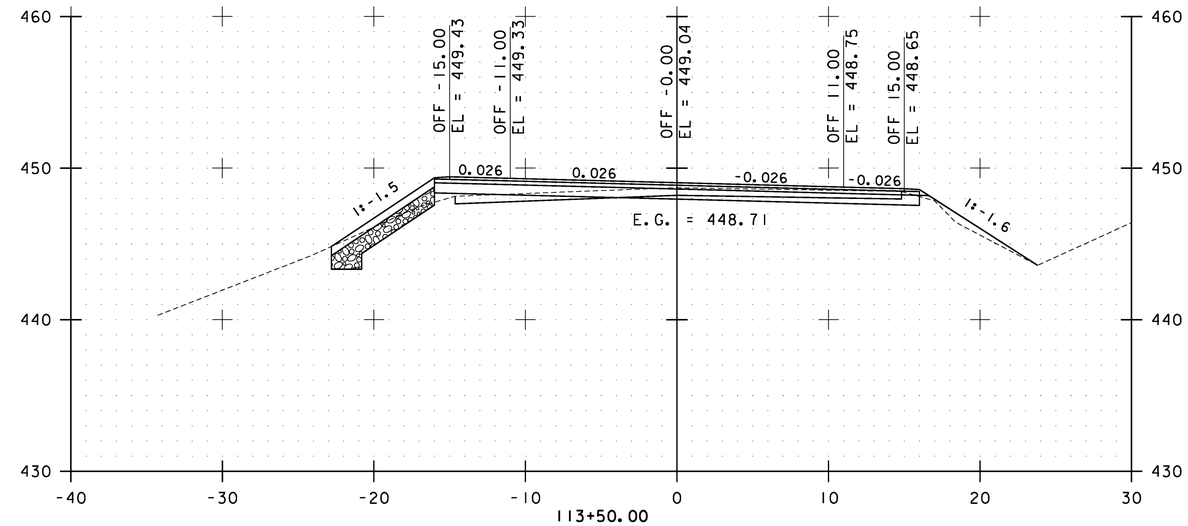
FLETCHER CROSS SECTIONS SHEET #44

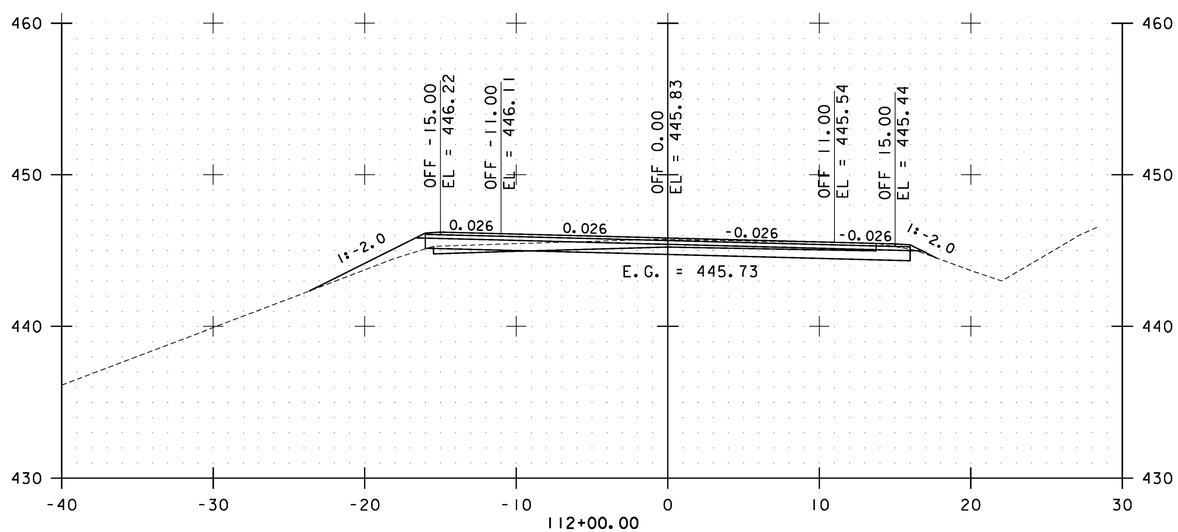
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

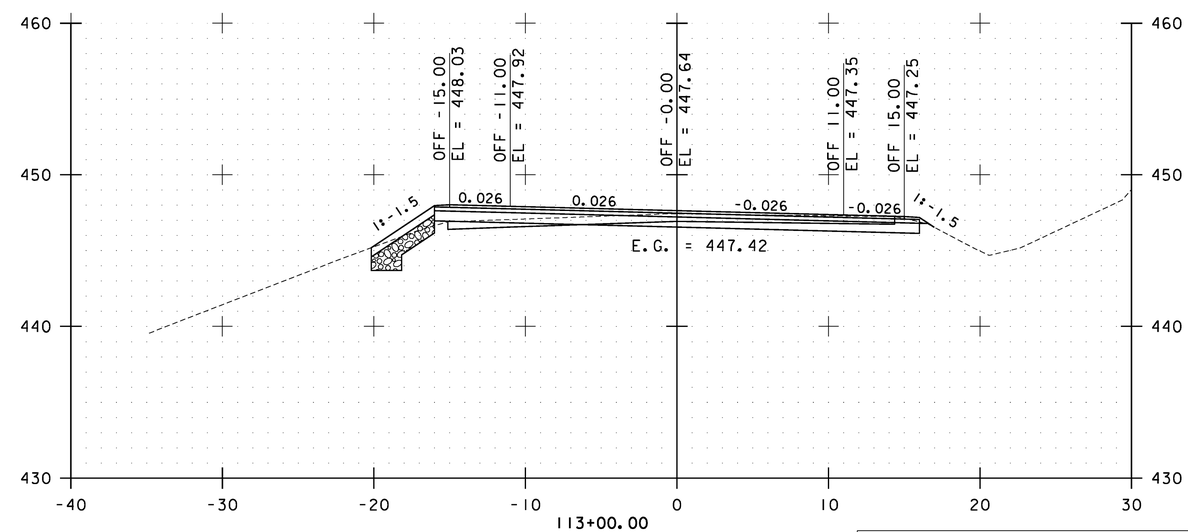
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs44.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 266 OF 387









STA. 112+00.00 TO STA. 113+50.00

0 10 20
SCALE

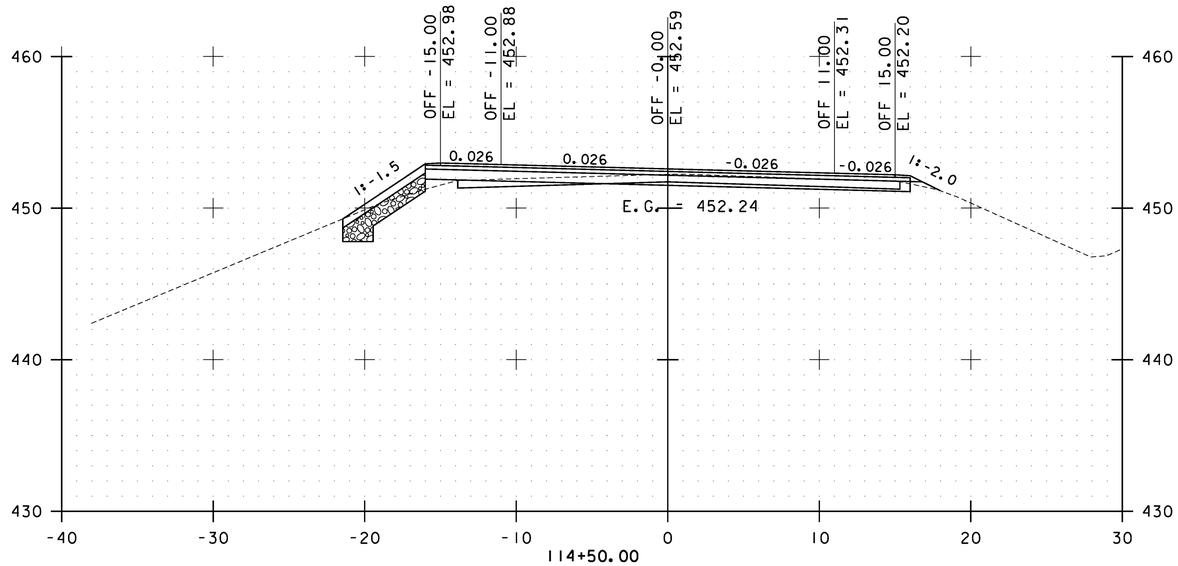
Stantec

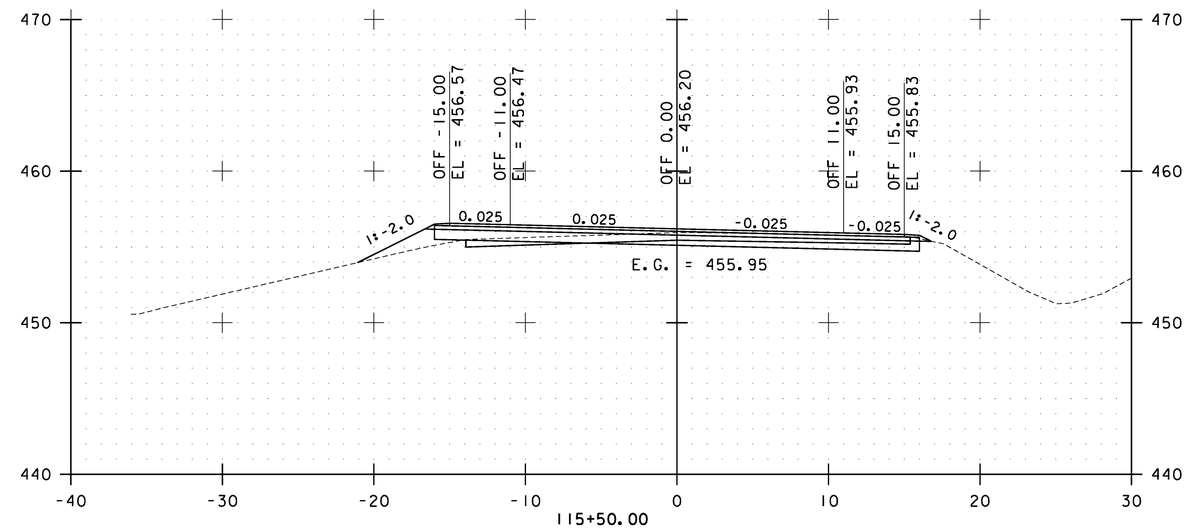
FLETCHER CROSS SECTIONS SHEET #45

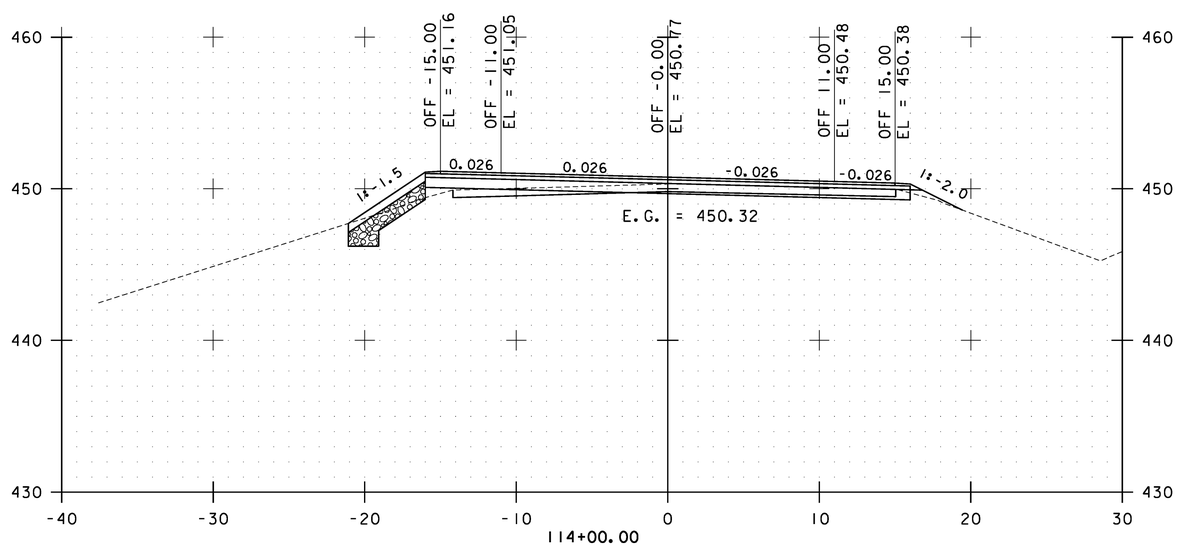
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

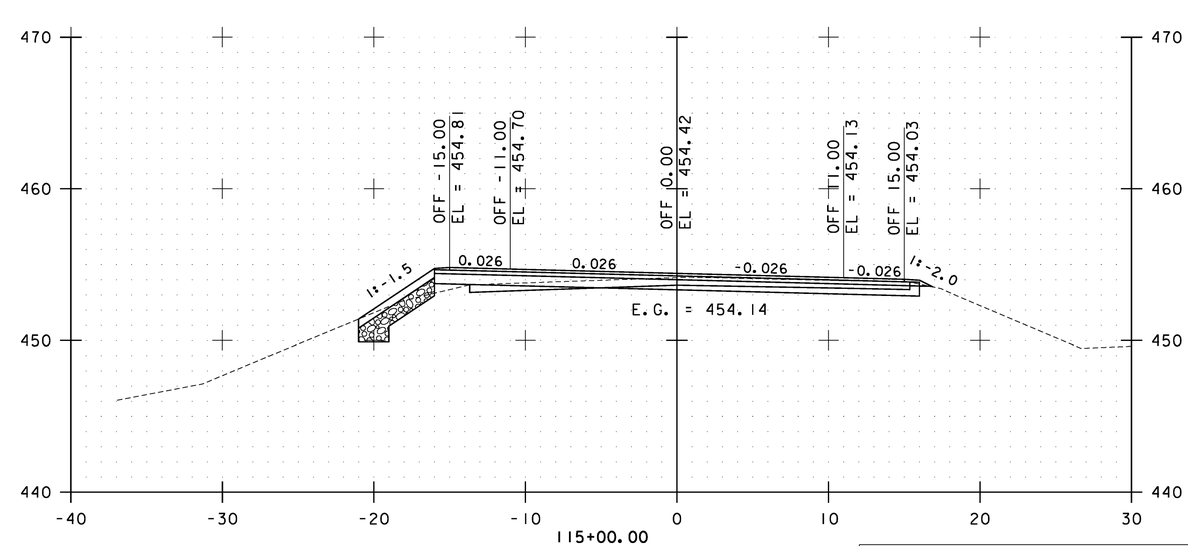
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs45.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 267 OF 387









STA. 114+00.00 TO STA. 115+50.00

0 10 20
SCALE

Stantec

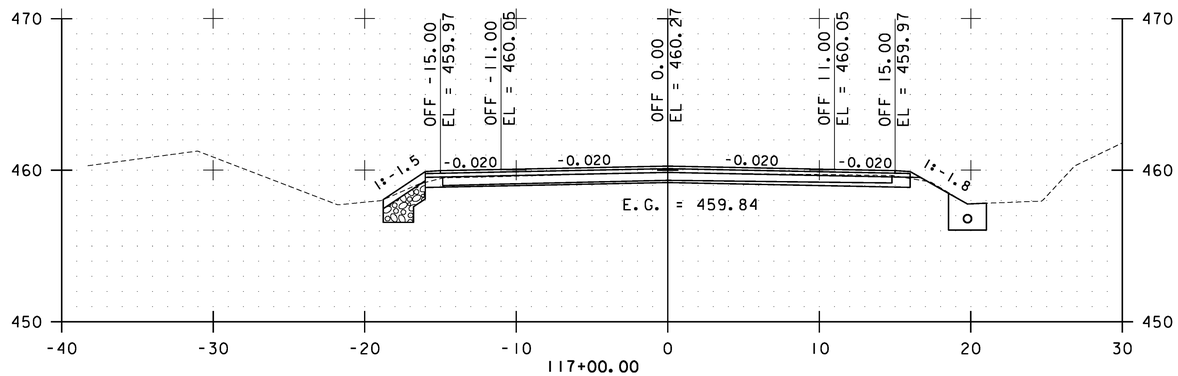
FLETCHER CROSS SECTIONS SHEET #46

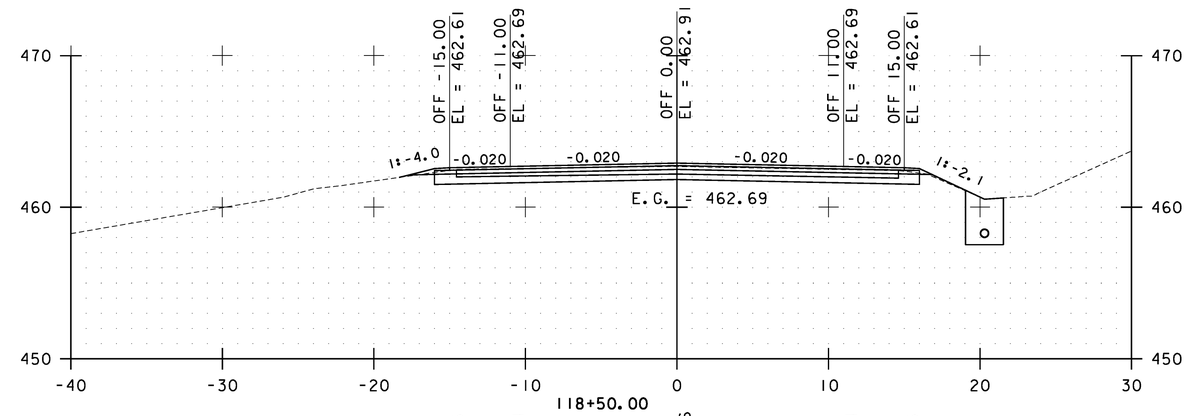
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

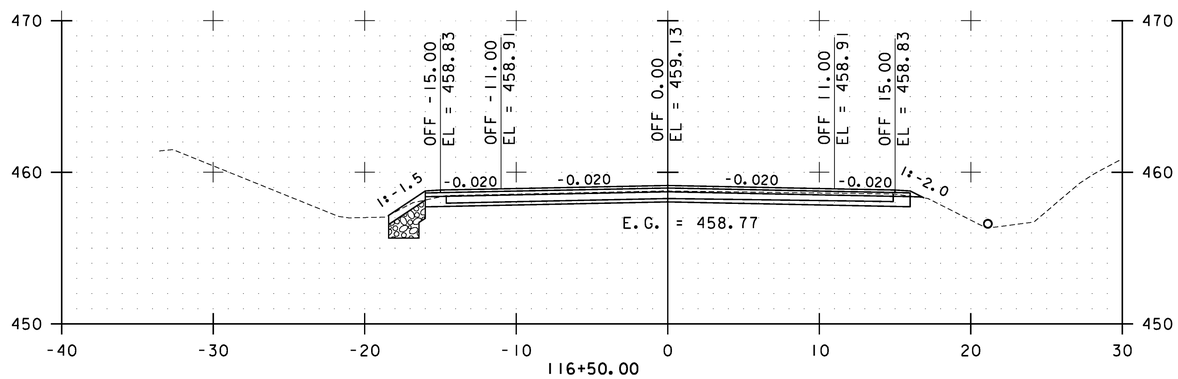
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs46.i

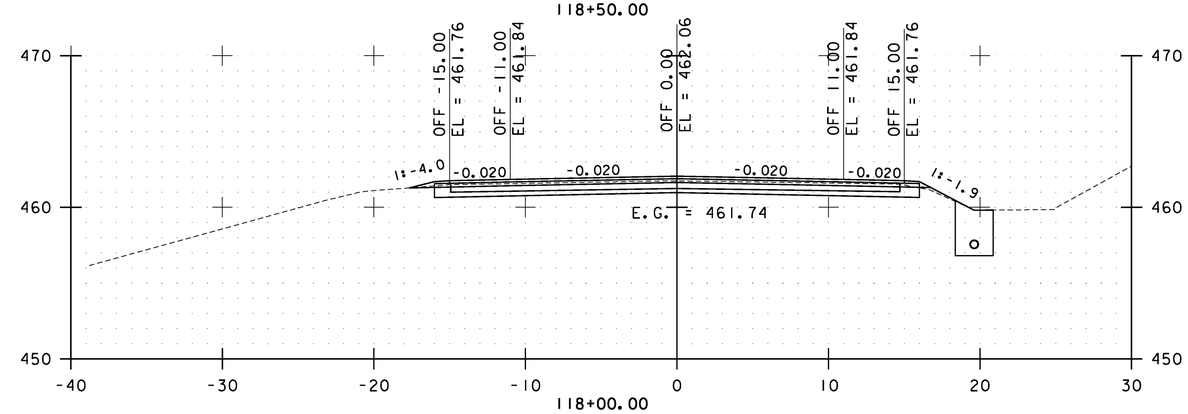
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 268 OF 387

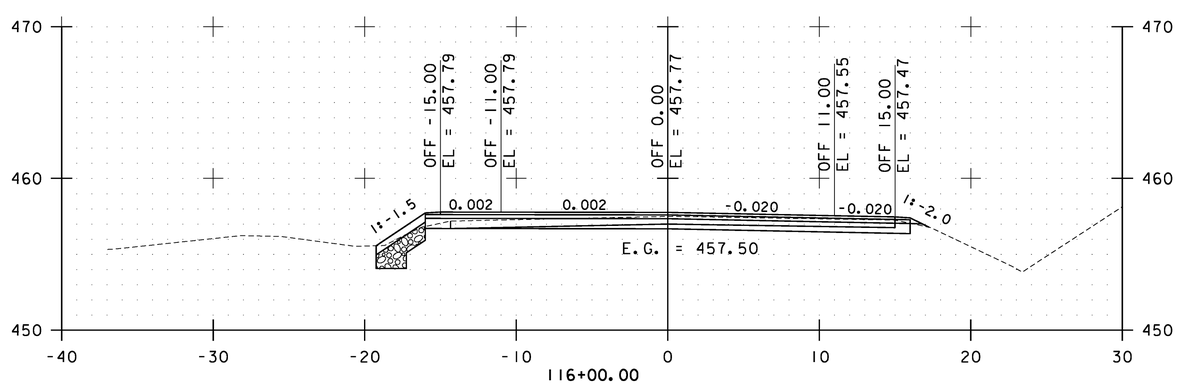
FLETCHER STA. 118+86.00
STOP STP 2926(1)
RESUME FLETCHER STP 027-1(22)

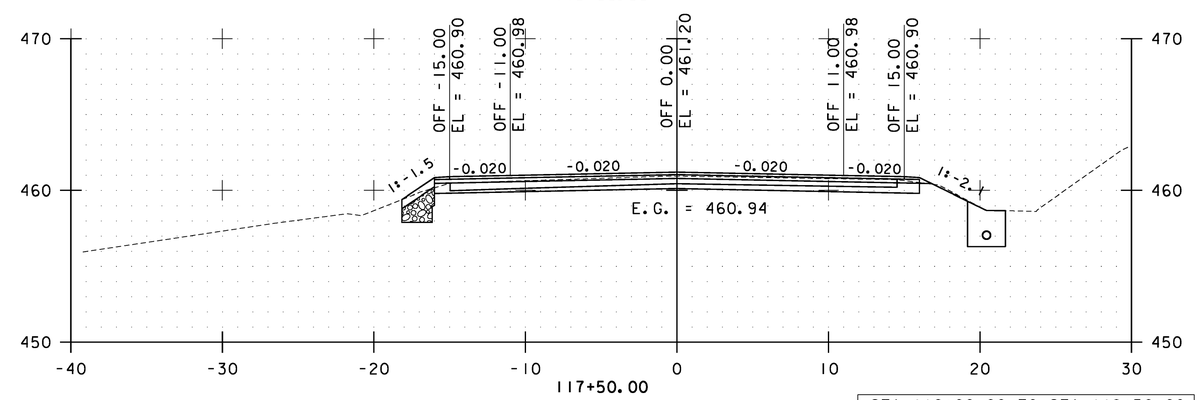












STA. 116+00.00 TO STA. 118+50.00

0 10 20
SCALE

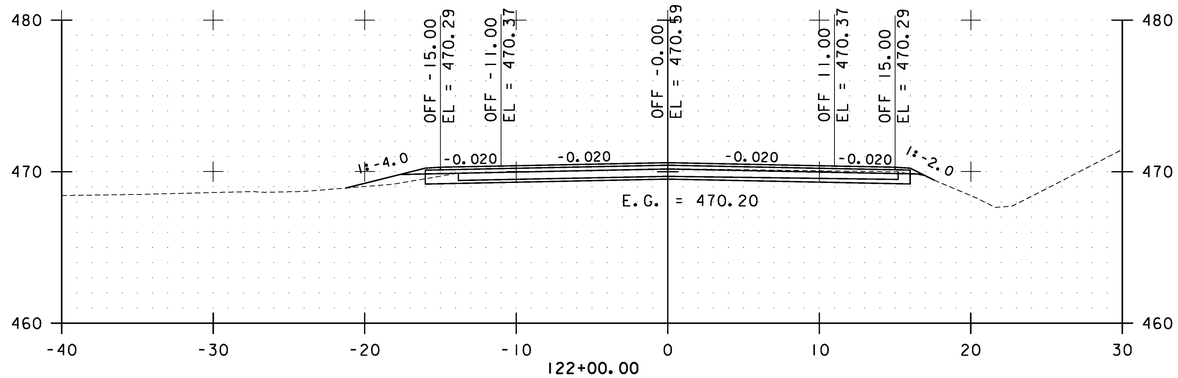
Stantec

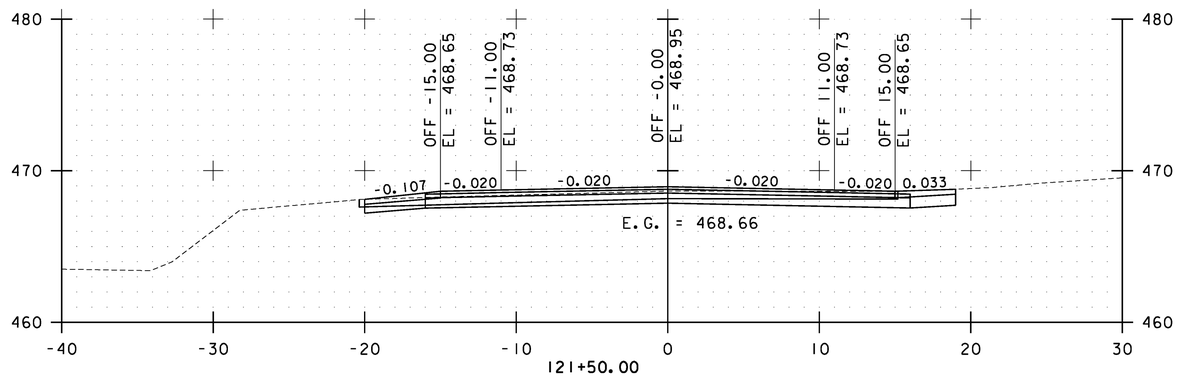
FLETCHER CROSS SECTIONS SHEET #47

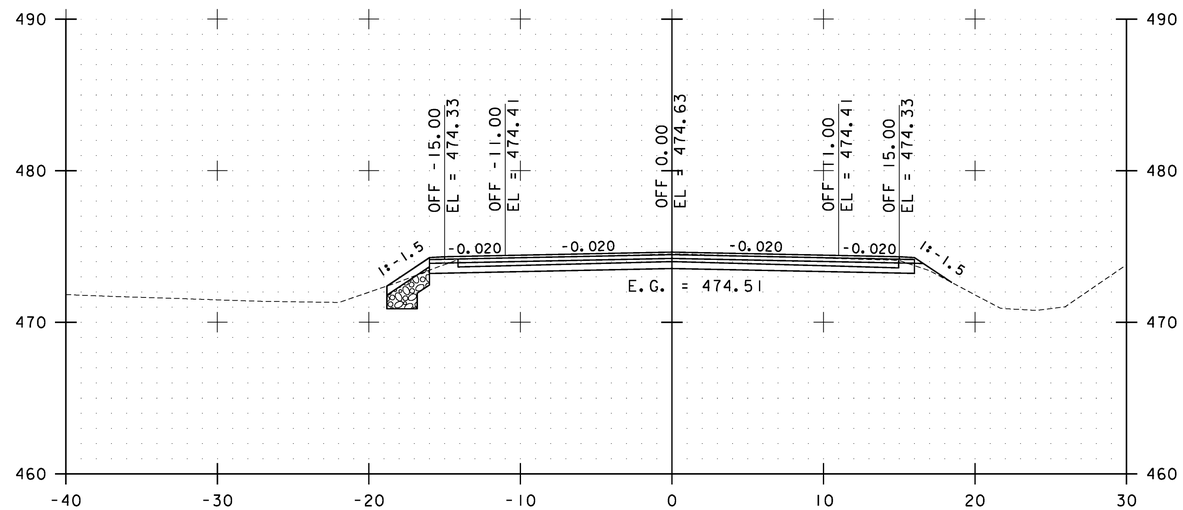
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

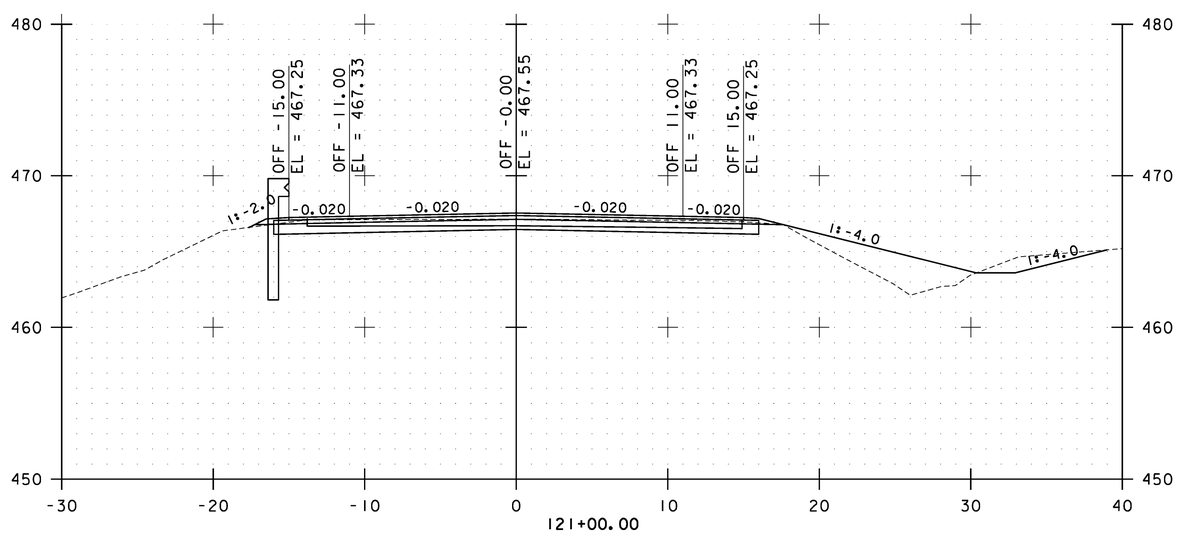
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs47.i

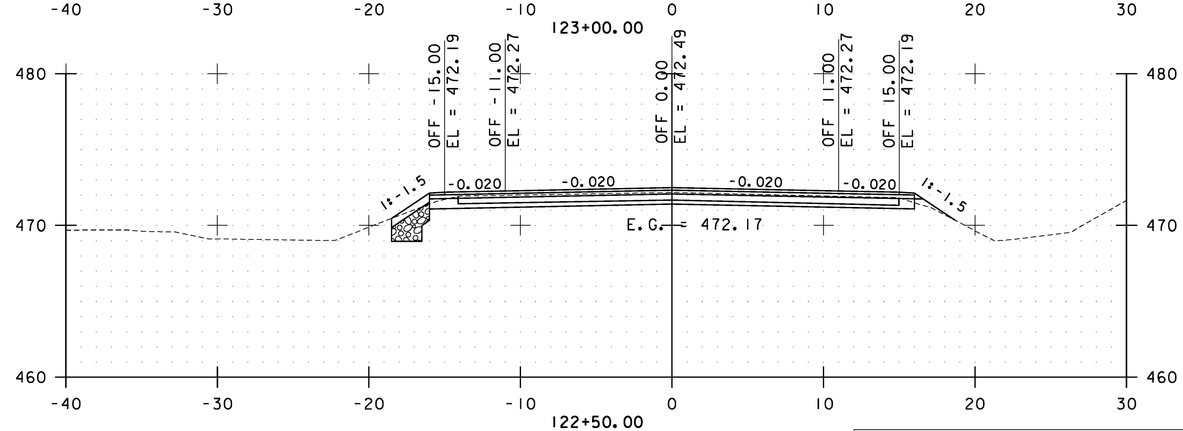
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 269 OF 387











STA. 121+00.00 TO STA. 123+00.00

FLETCHER 120+82.33
END FLETCHER STP 027-1(22)
RESUME STP 2926(1)

0 10 20
SCALE

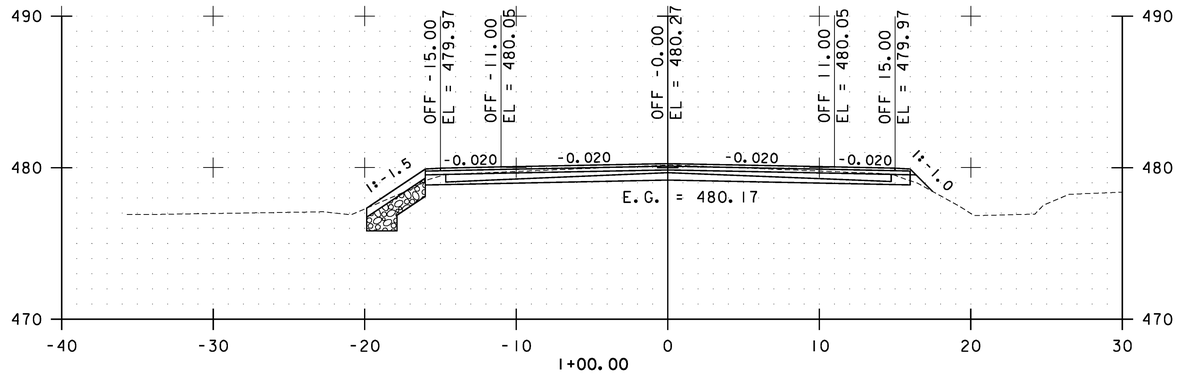
Stantec

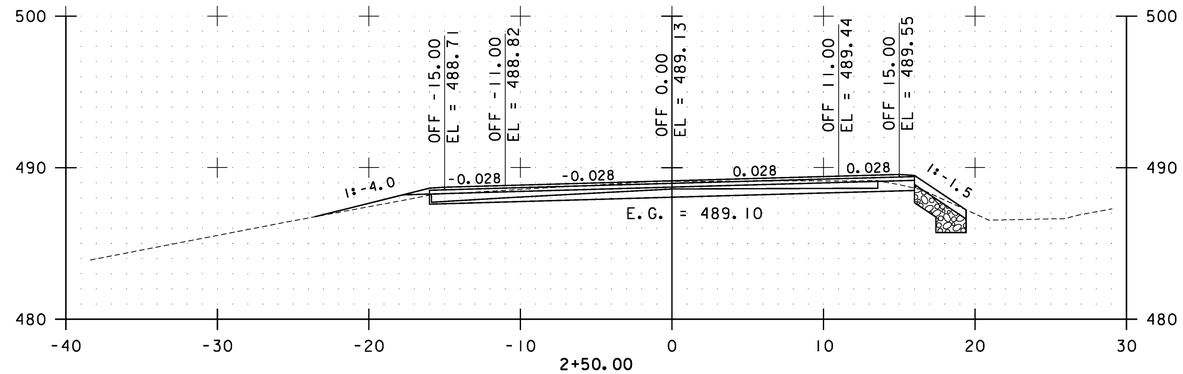
FLETCHER CROSS SECTIONS SHEET #48

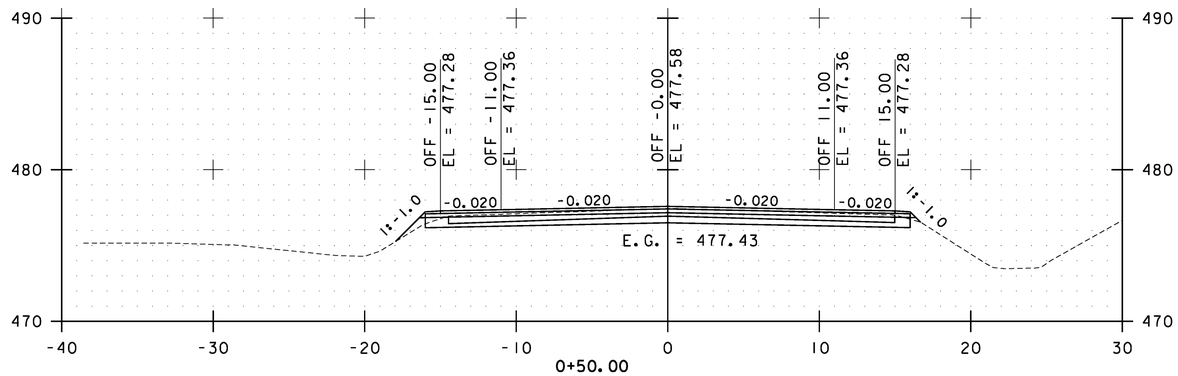
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

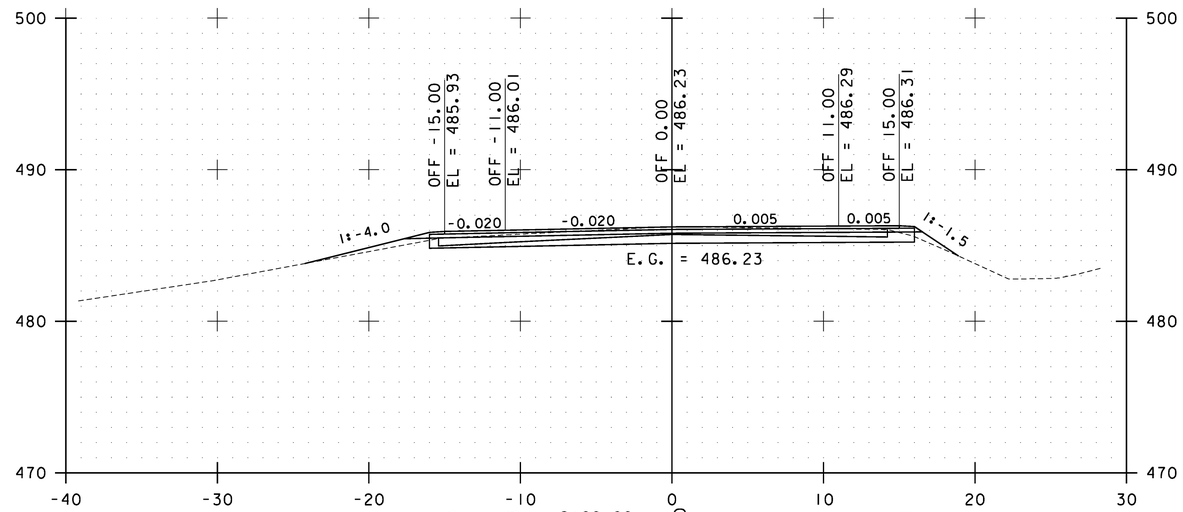
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs48.i

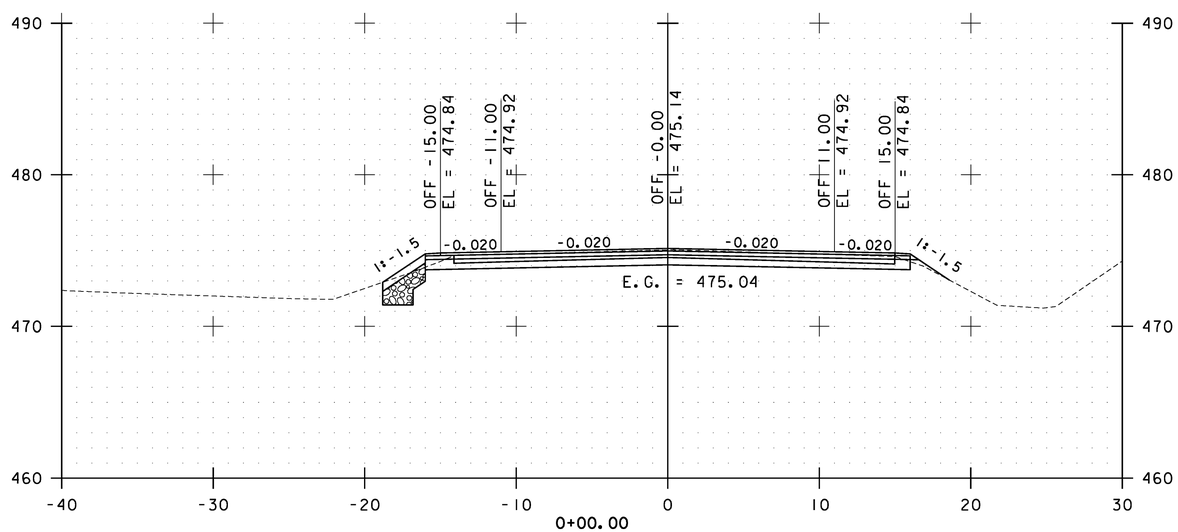
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 270 OF 387

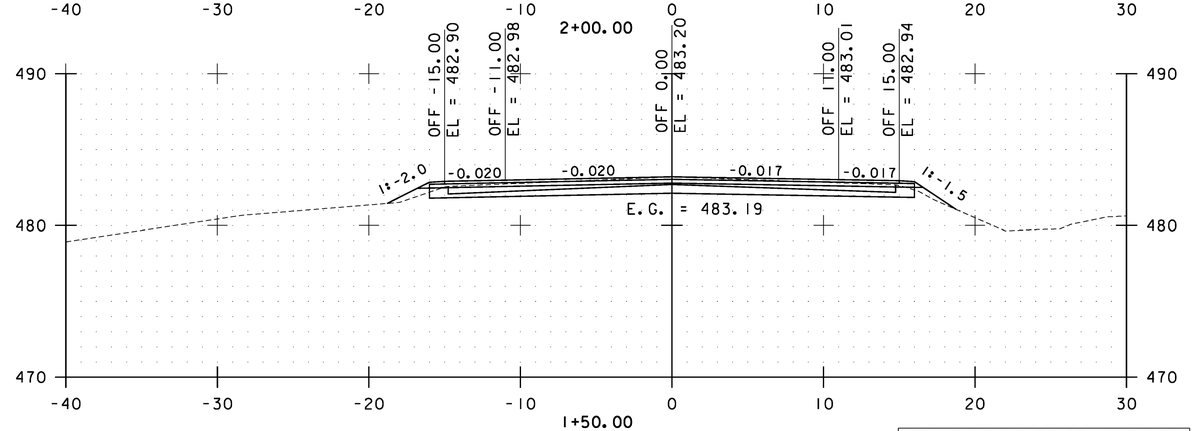












STA. 0+00.00 TO STA. 2+50.00

0 10 20
SCALE

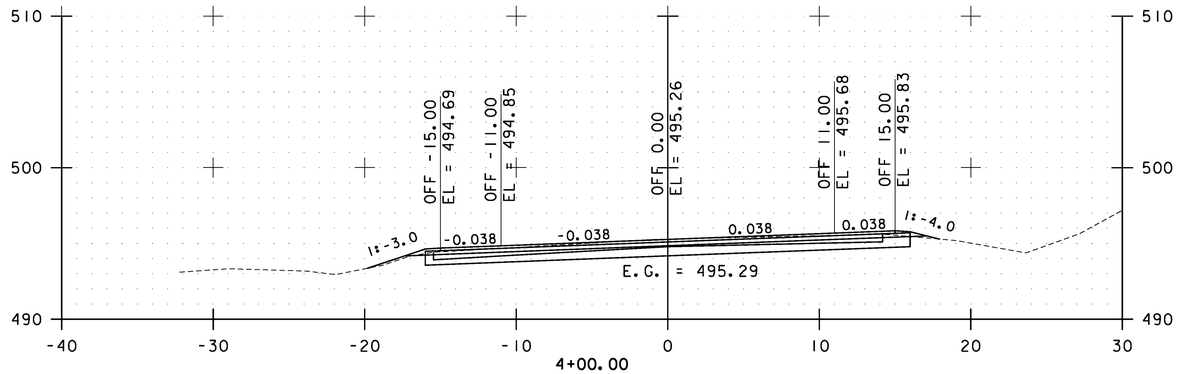
Stantec

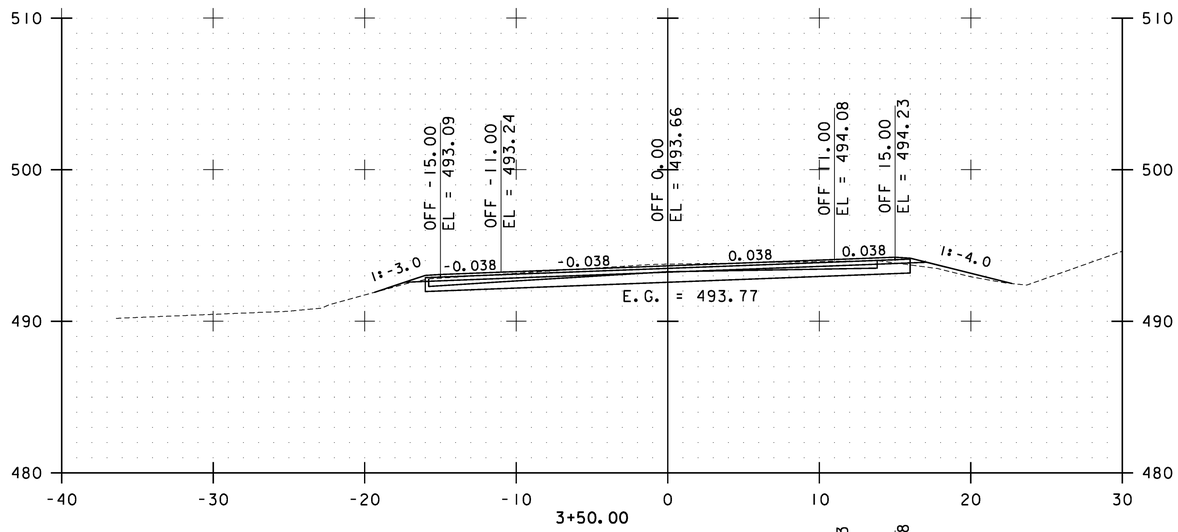
BAKERSFIELD CROSS SECTIONS SHEET #1

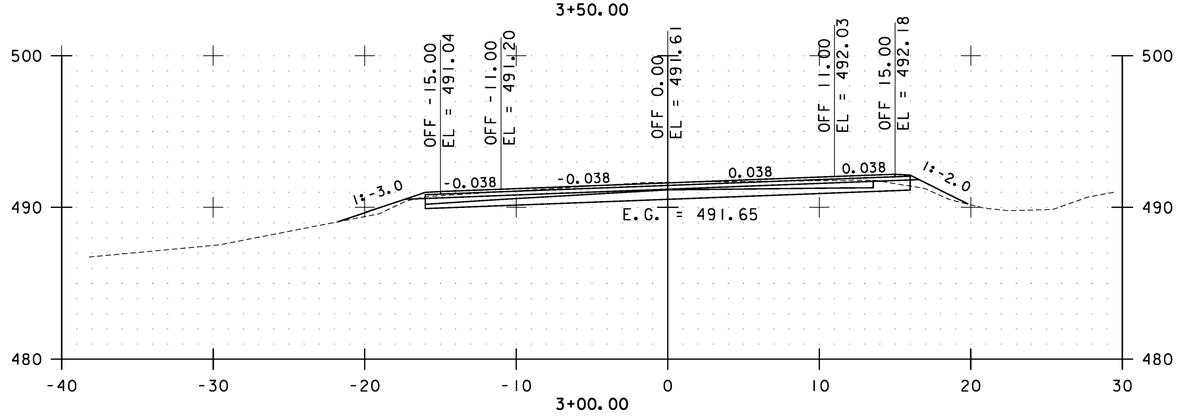
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

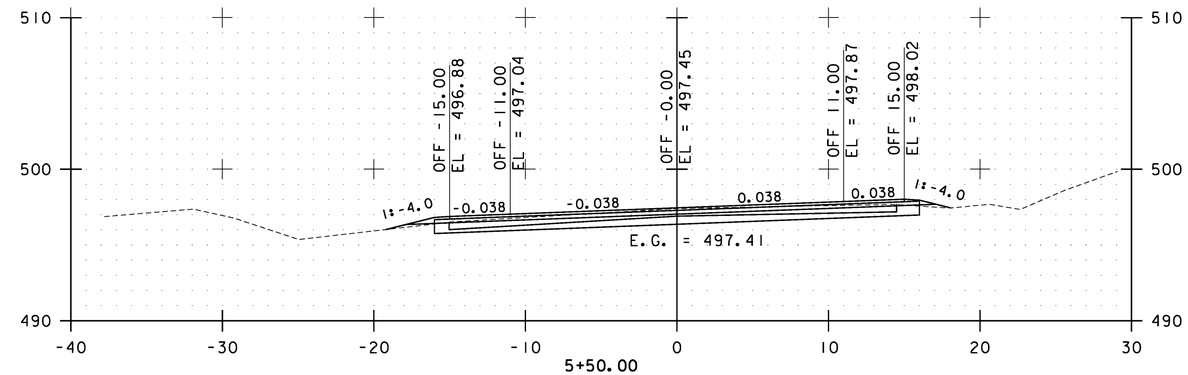
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs01.i

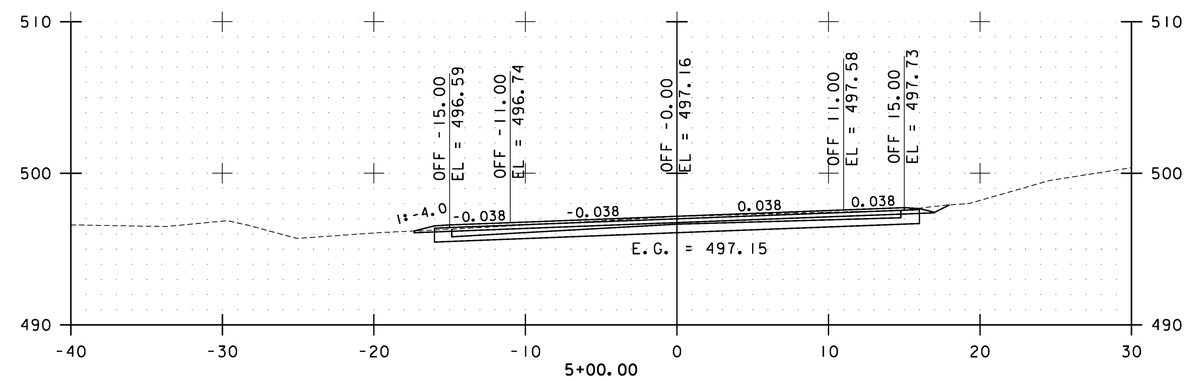
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 271 OF 387

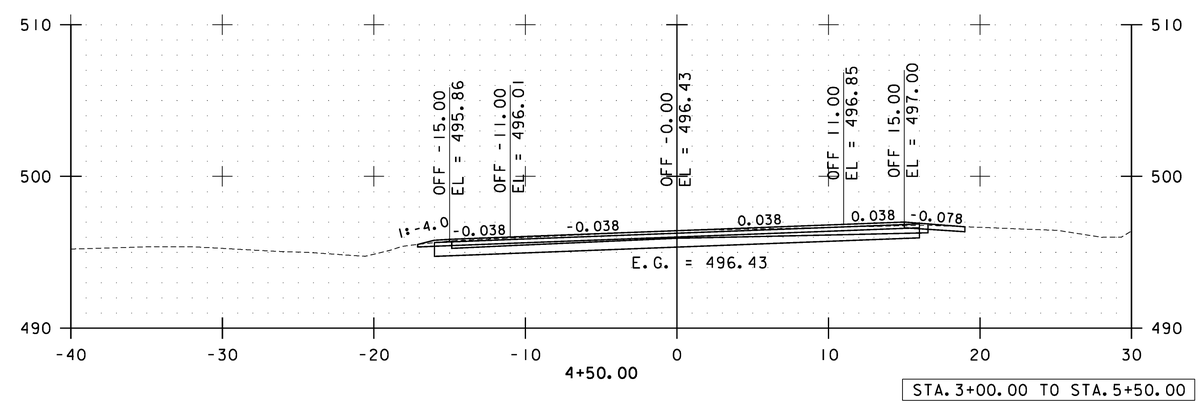












STA. 3+00.00 TO STA. 5+50.00

0 10 20
SCALE

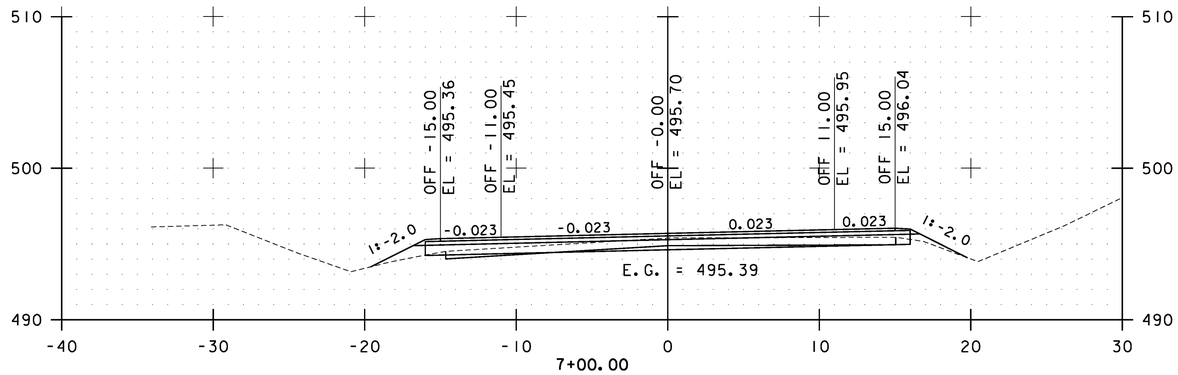
Stantec

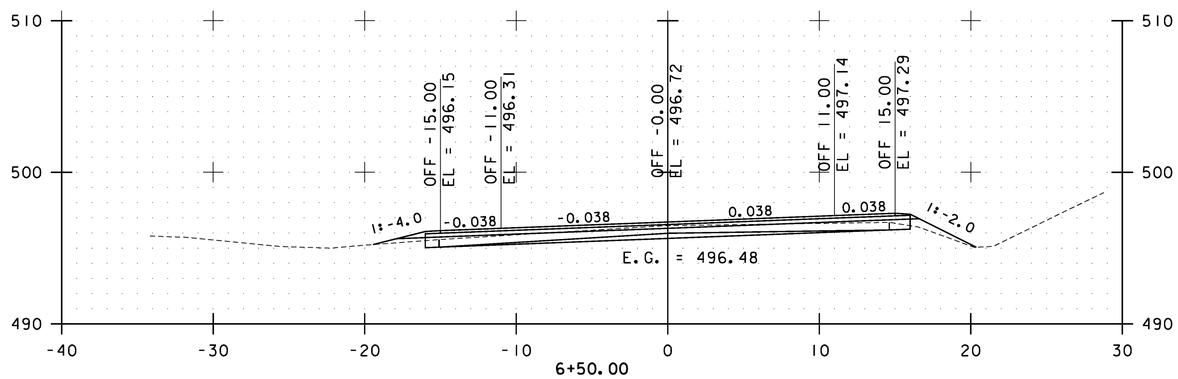
BAKERSFIELD CROSS SECTIONS SHEET #2

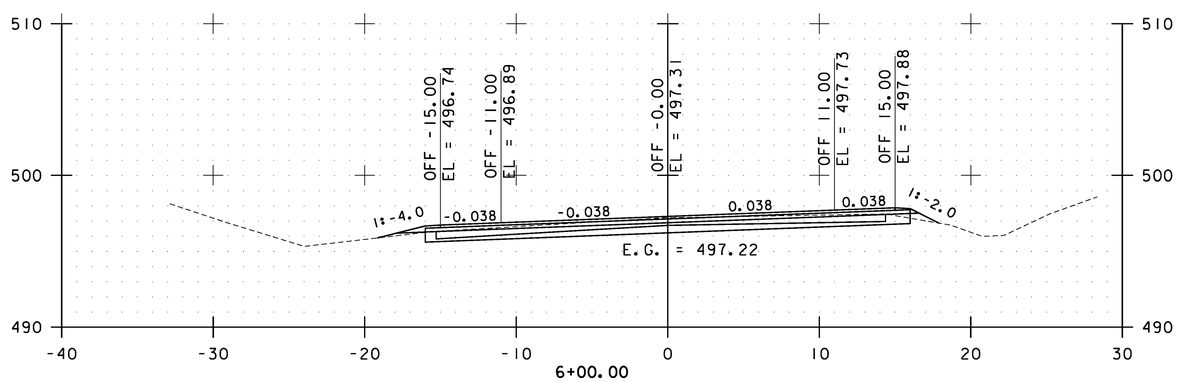
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

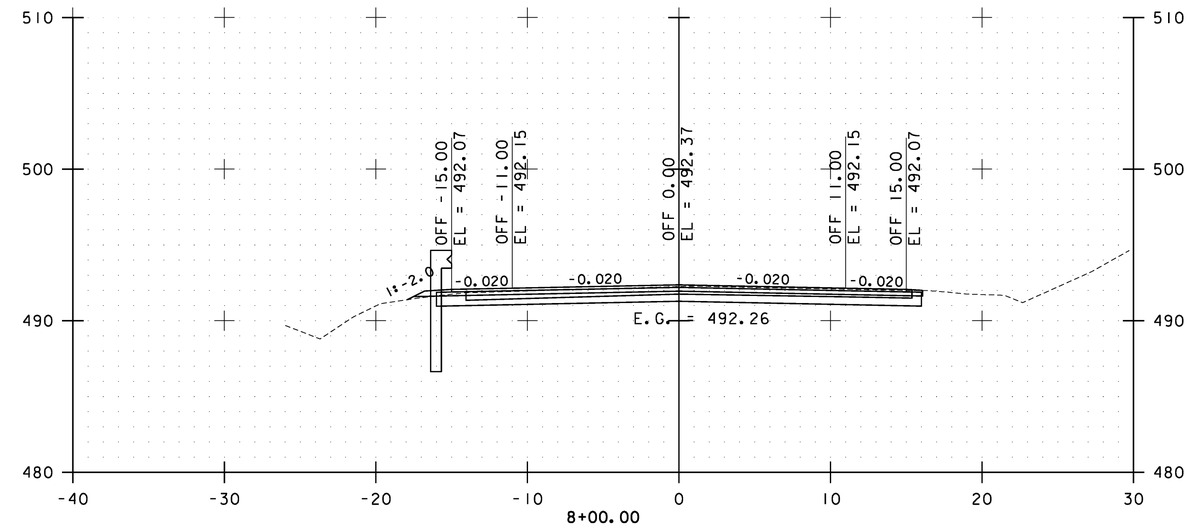
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs02.i

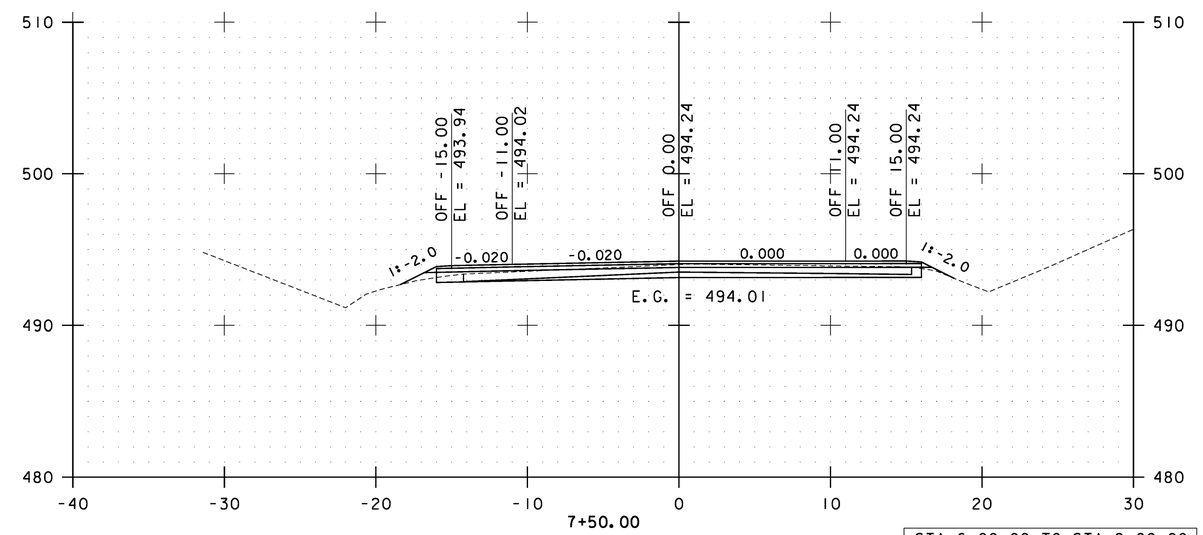
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 272 OF 387











STA. 6+00.00 TO STA. 8+00.00

0 10 20
SCALE

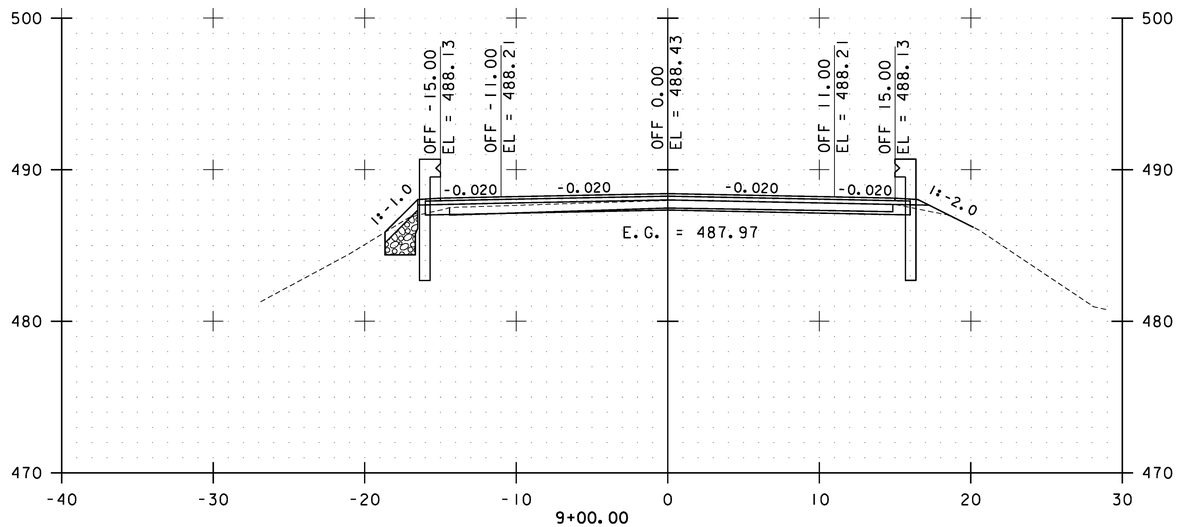
Stantec

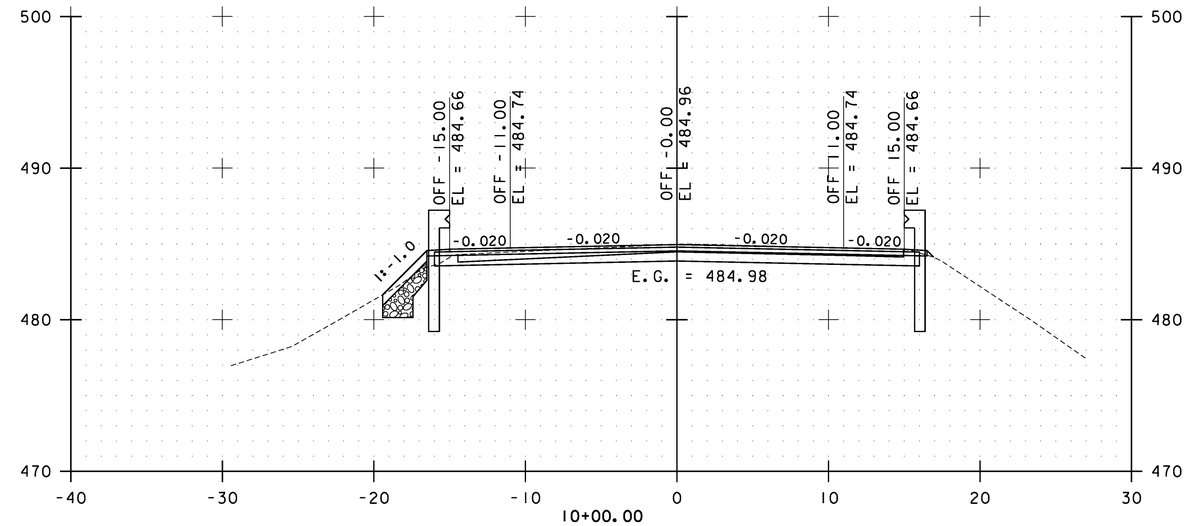
BAKERSFIELD CROSS SECTIONS SHEET #3

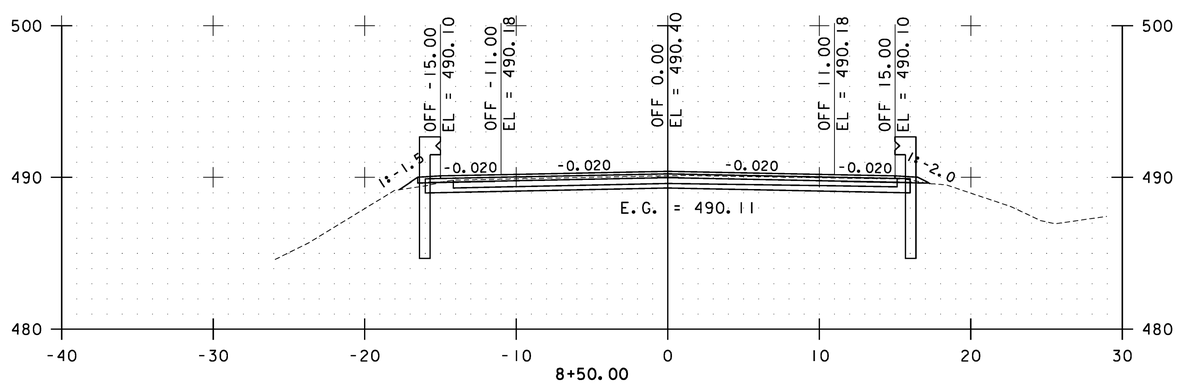
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

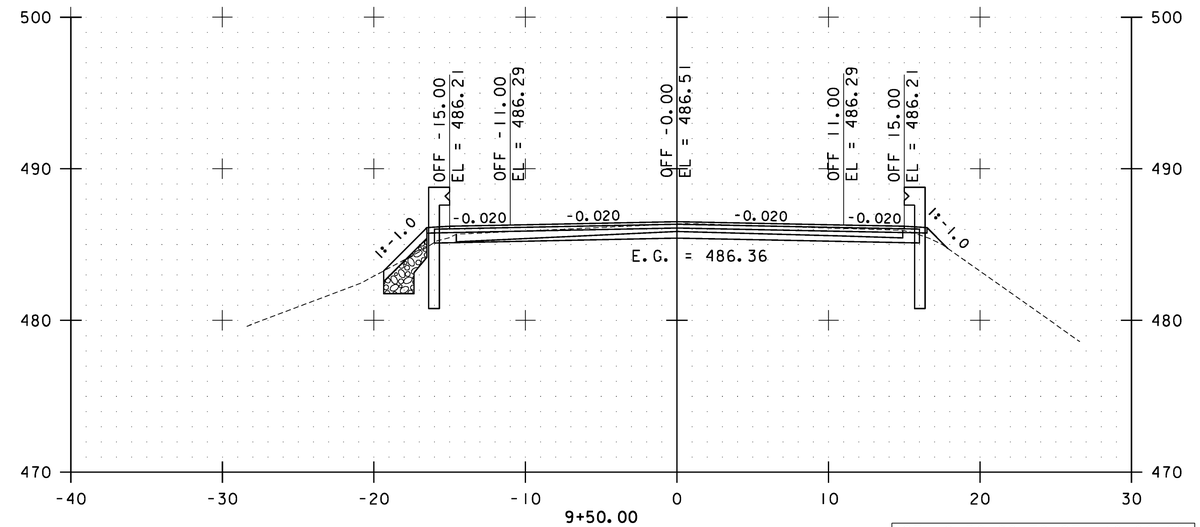
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs03.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 273 OF 387









STA. 8+50.00 TO STA. 10+00.00

0 10 20
SCALE

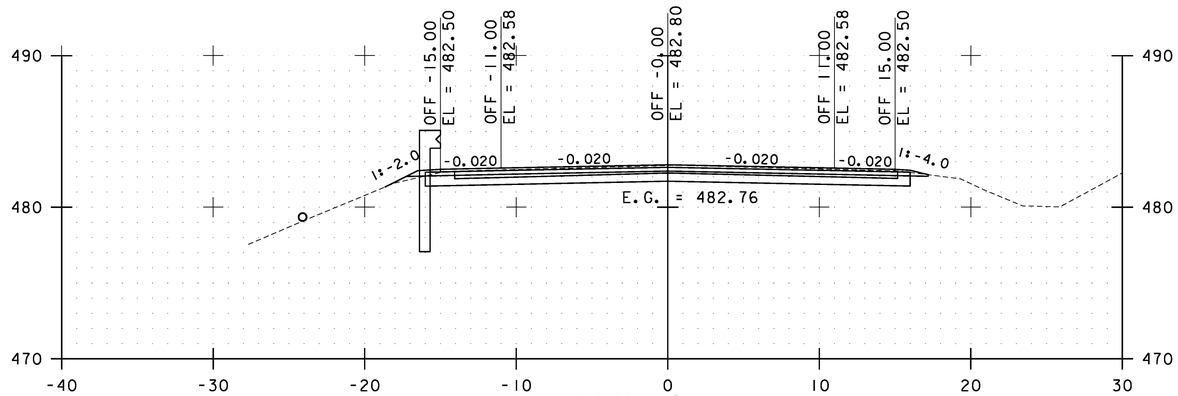
Stantec

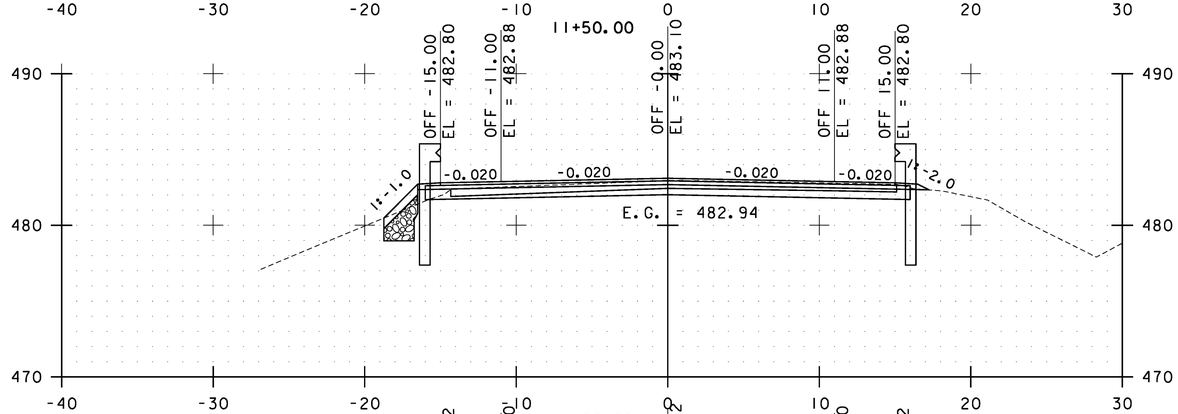
BAKERSFIELD CROSS SECTIONS SHEET #4

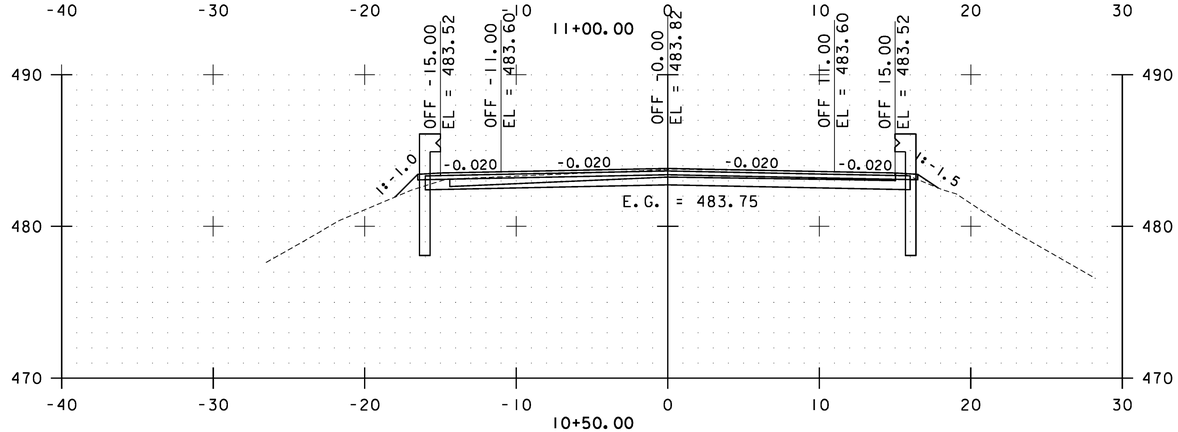
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

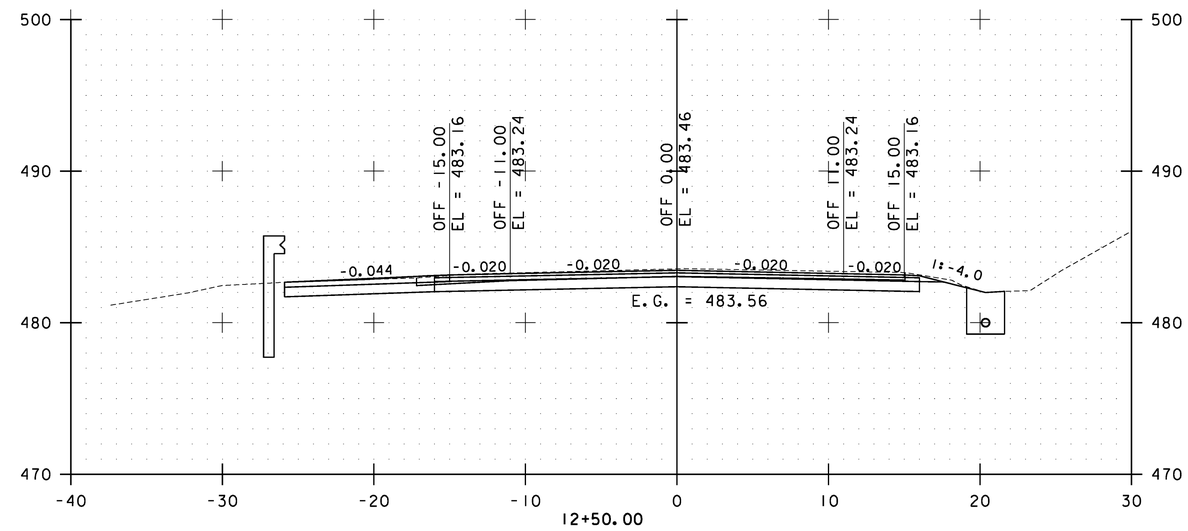
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs04.i

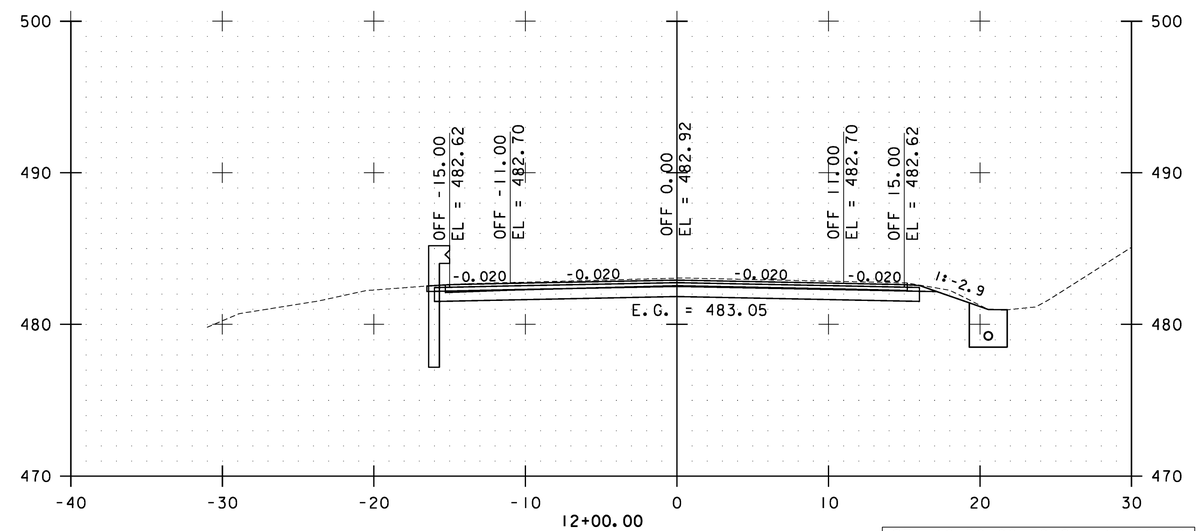
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 274 OF 387











STA. 10+50.00 TO STA. 12+50.00

0 10 20
SCALE

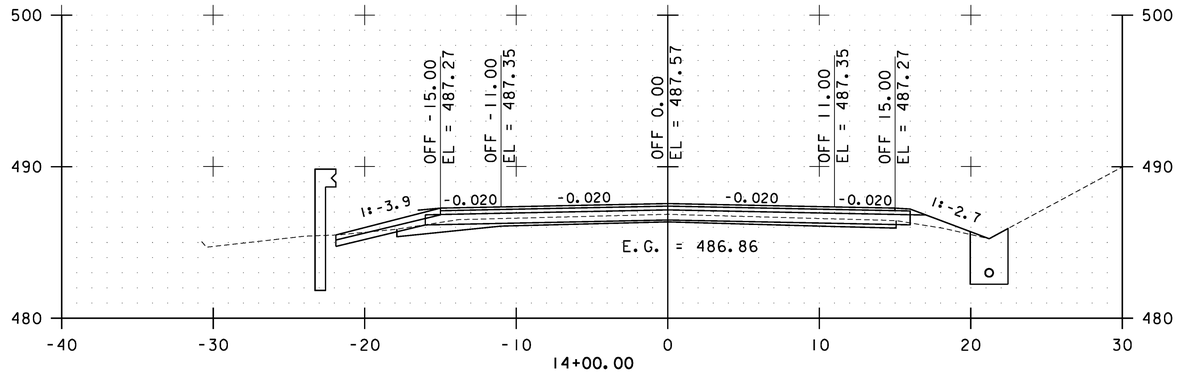
Stantec

BAKERSFIELD CROSS SECTIONS SHEET #5

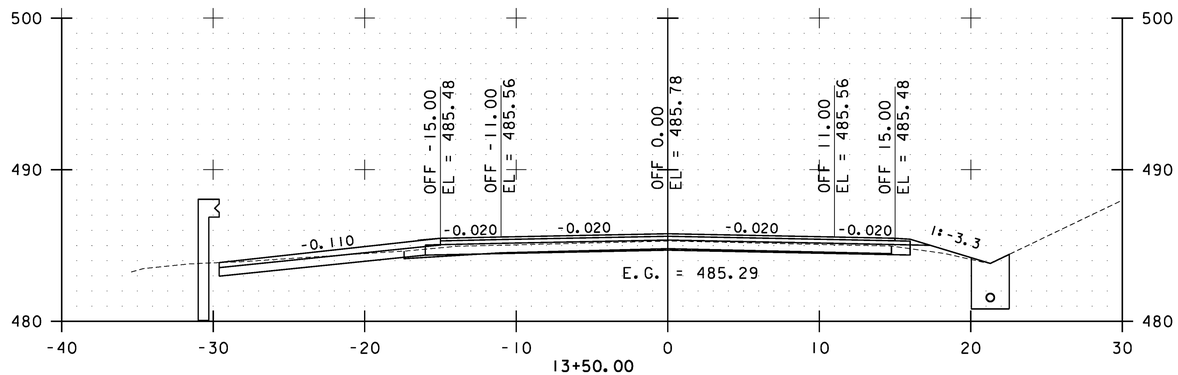
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs05.i

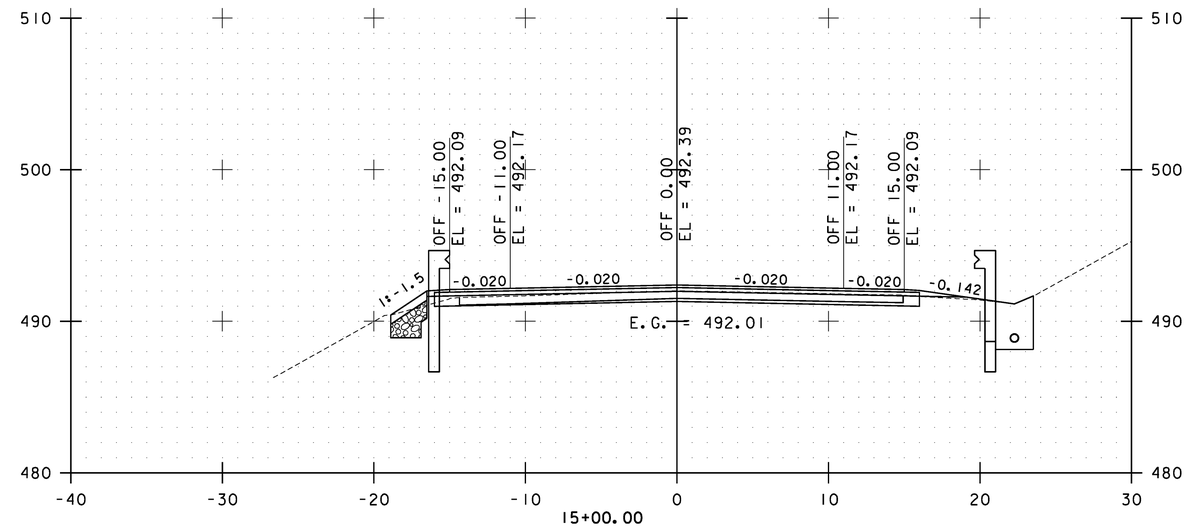
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 275 OF 387



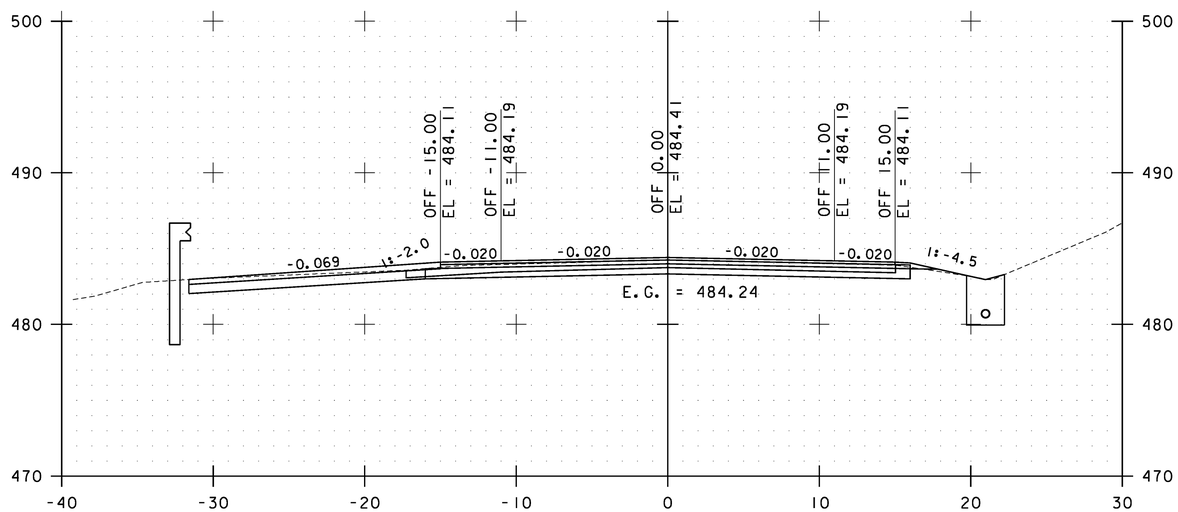
14+00.00



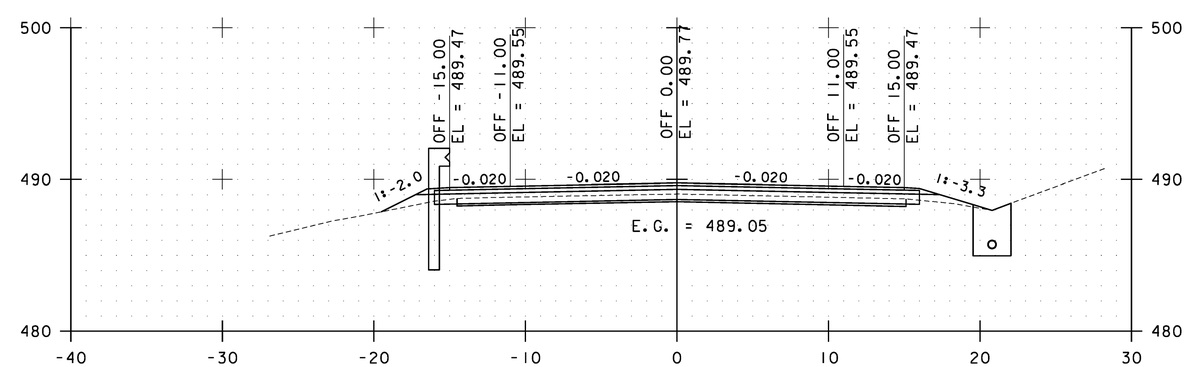
13+50.00



15+00.00



13+00.00



14+50.00

STA. 13+00.00 TO STA. 15+00.00

0 10 20
SCALE

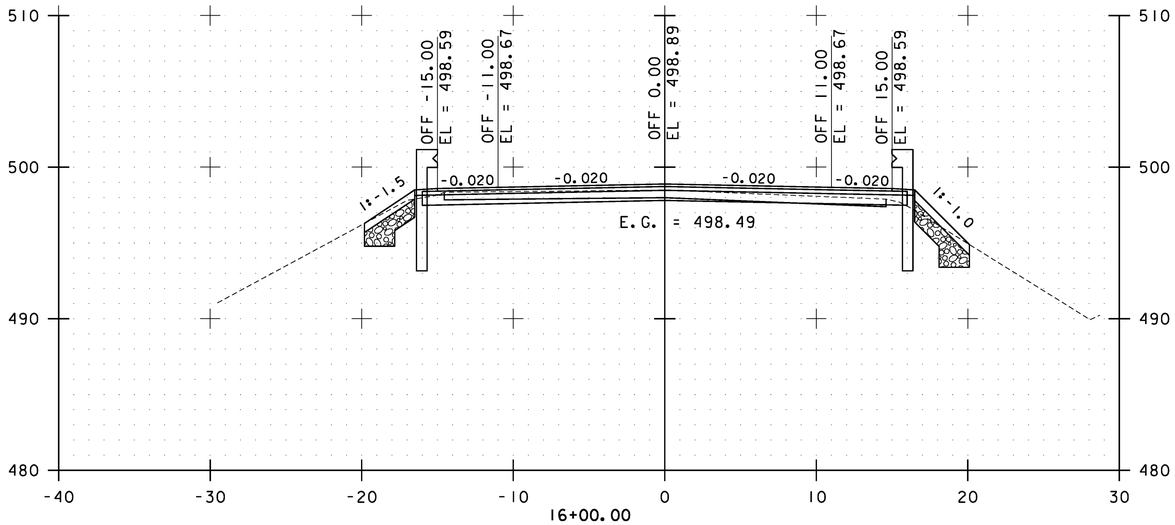
Stantec

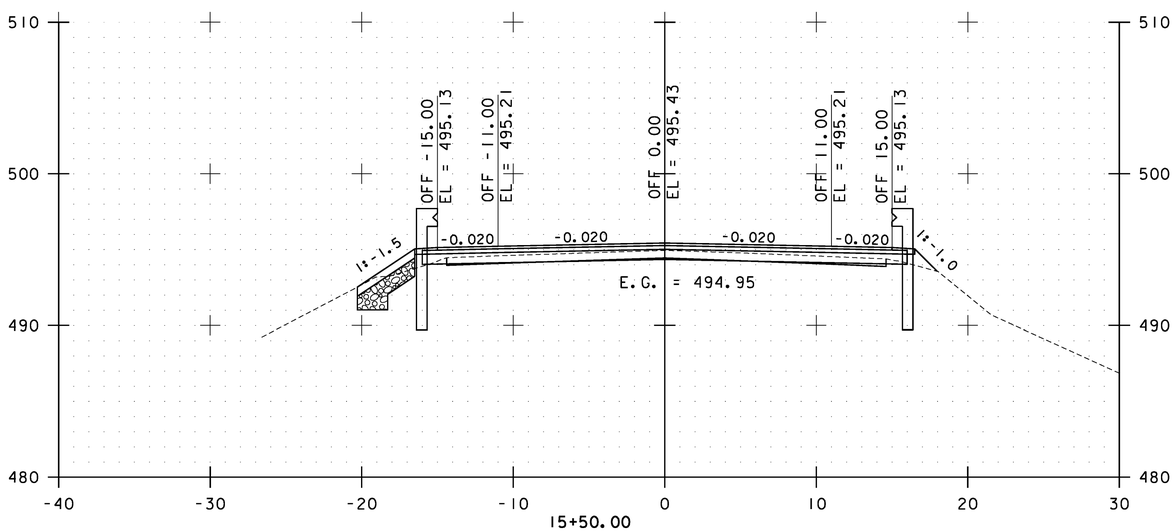
BAKERSFIELD CROSS SECTIONS SHEET #6

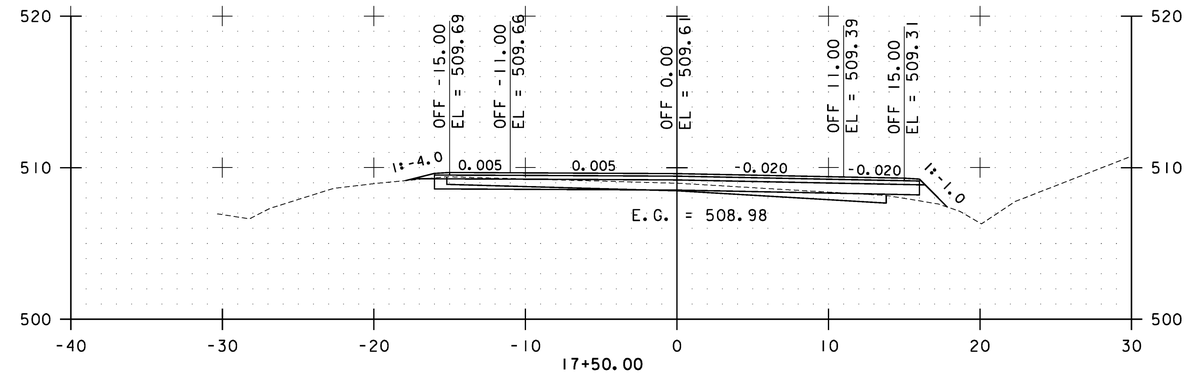
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

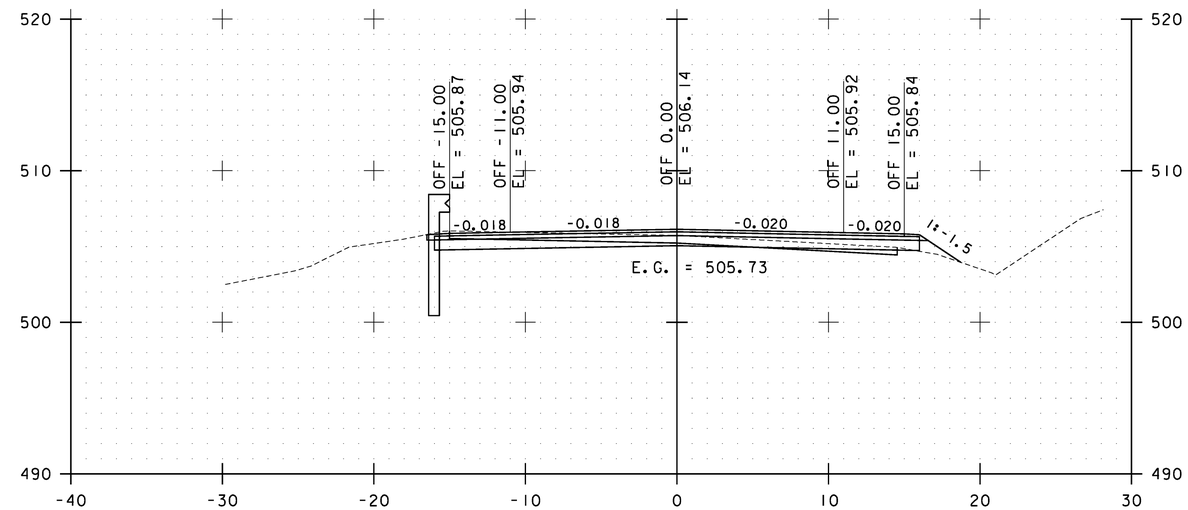
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs06.i

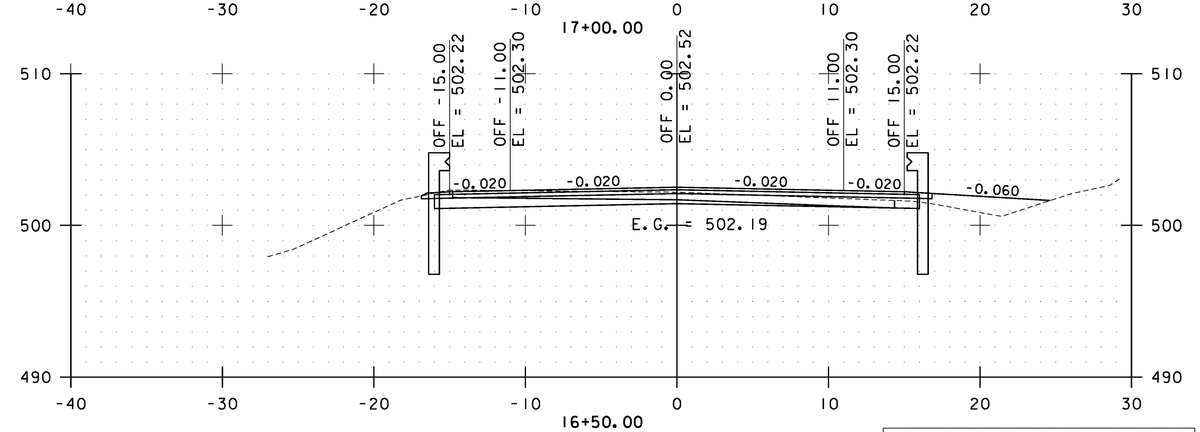
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 276 OF 387











STA. 15+50.00 TO STA. 17+50.00

0 10 20
SCALE

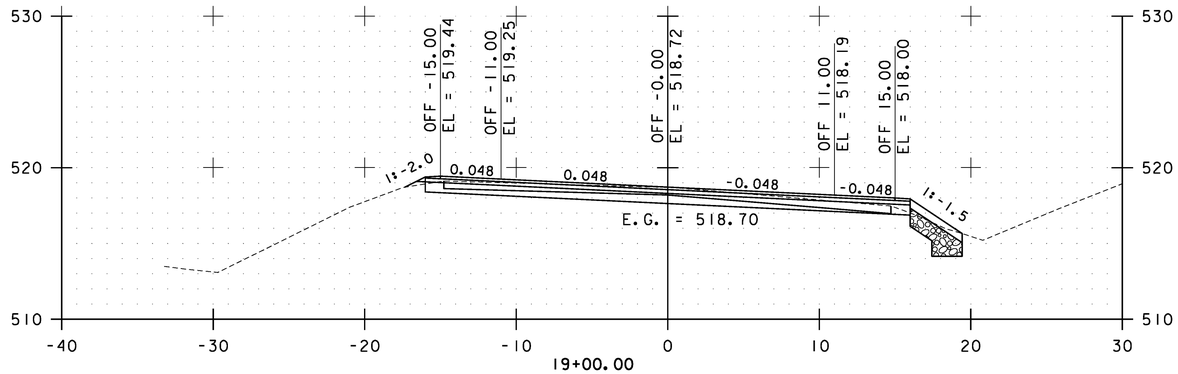
Stantec

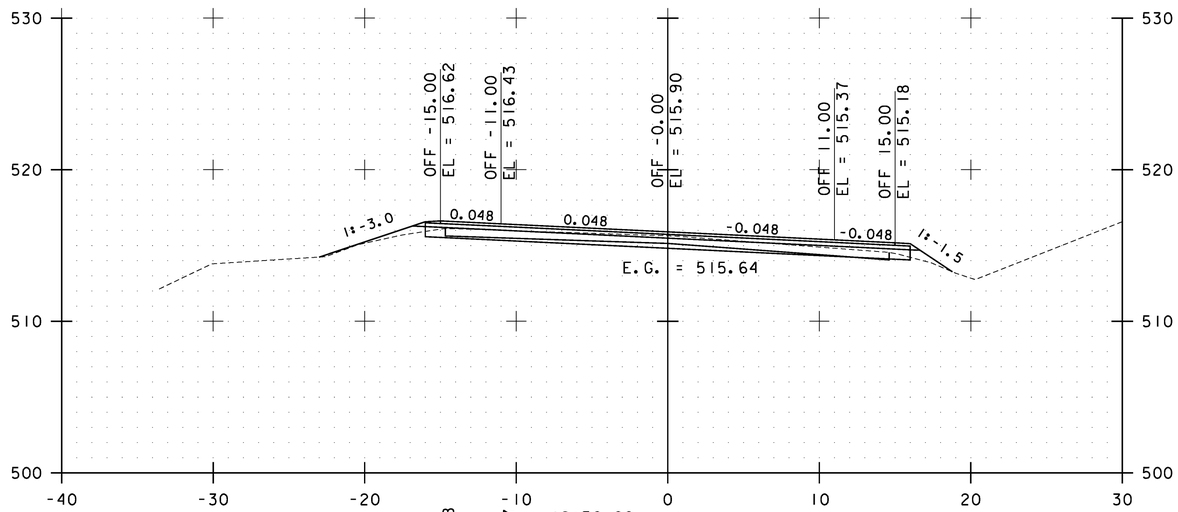
BAKERSFIELD CROSS SECTIONS SHEET #7

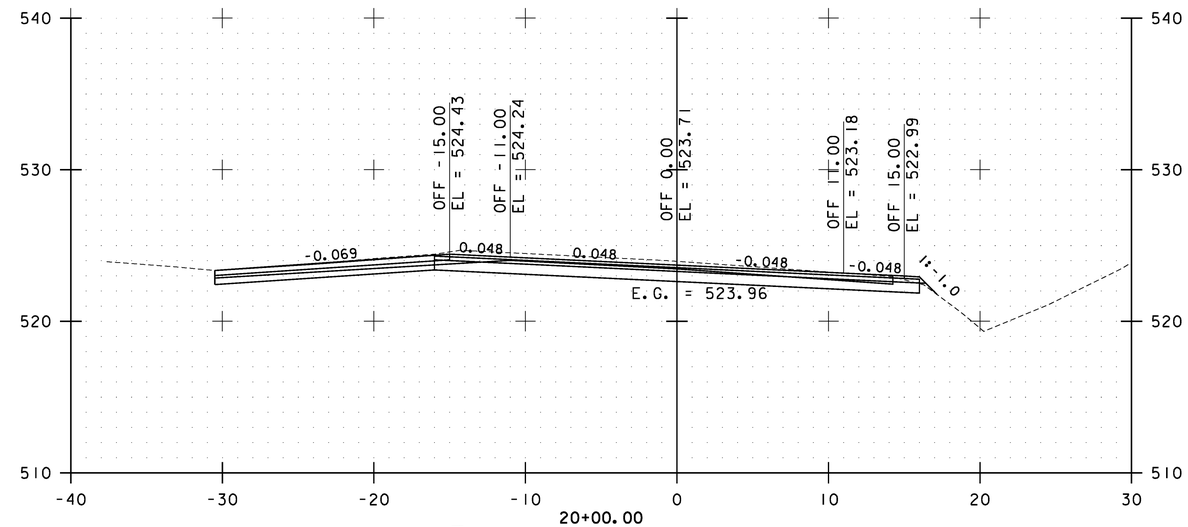
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

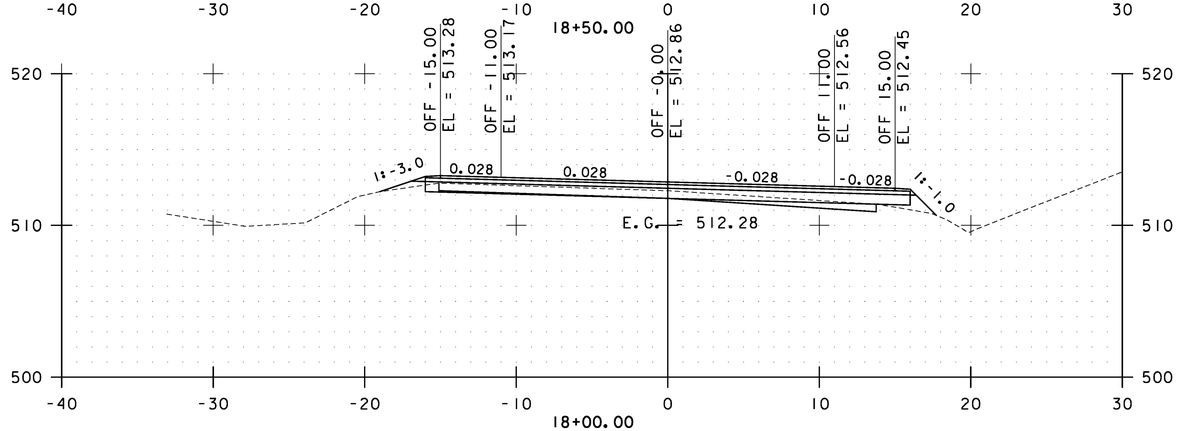
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs07.i

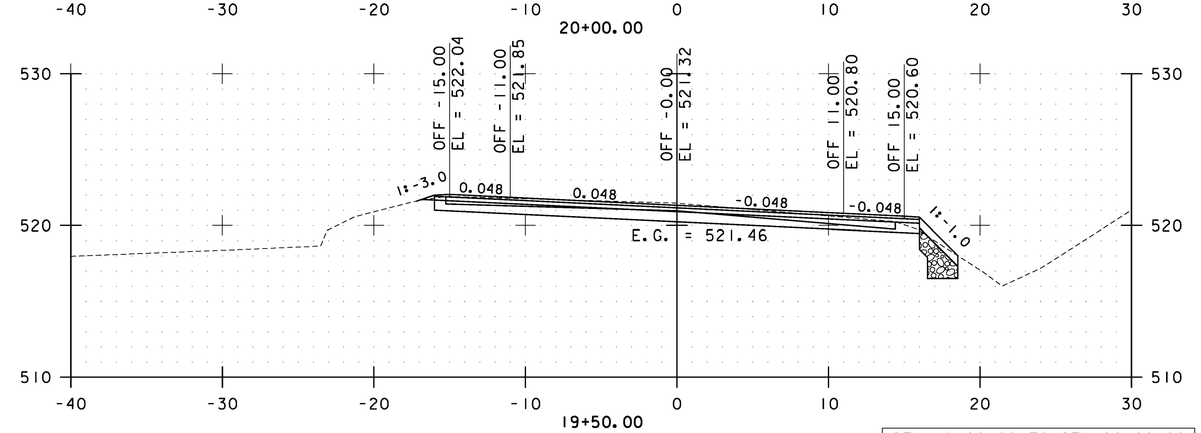
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 277 OF 387











STA. 18+00.00 TO STA. 20+00.00

0 10 20
SCALE

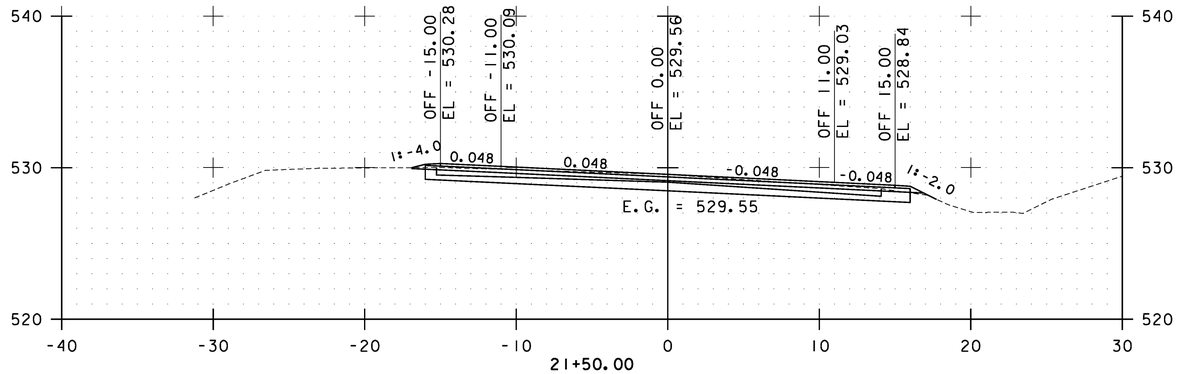
Stantec

BAKERSFIELD CROSS SECTIONS SHEET #8

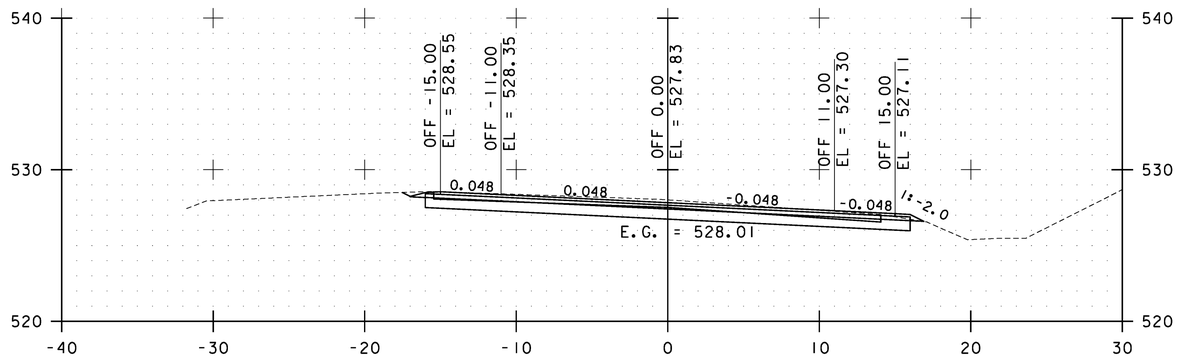
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs08.i

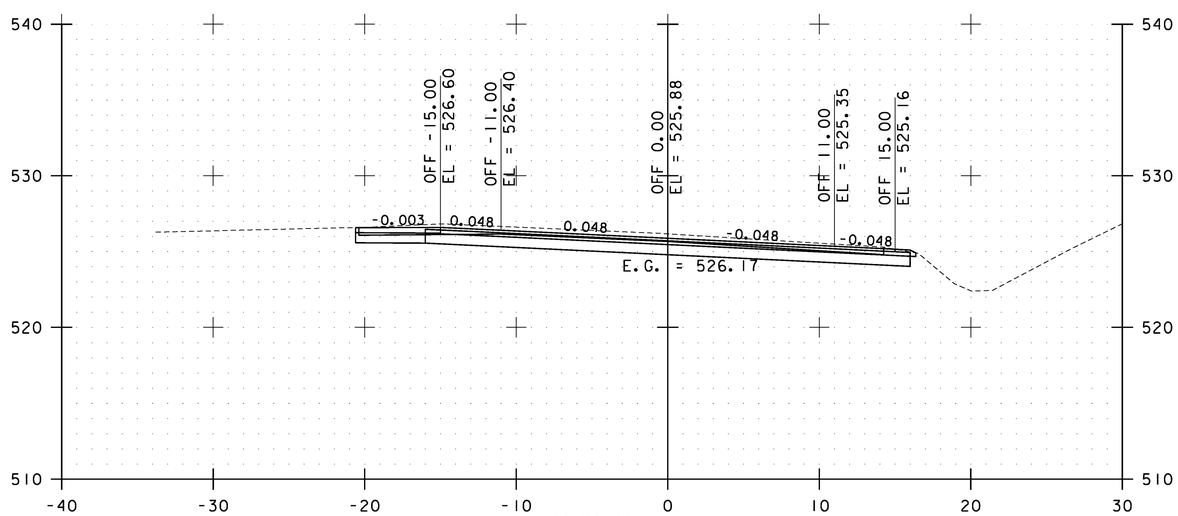
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 278 OF 387



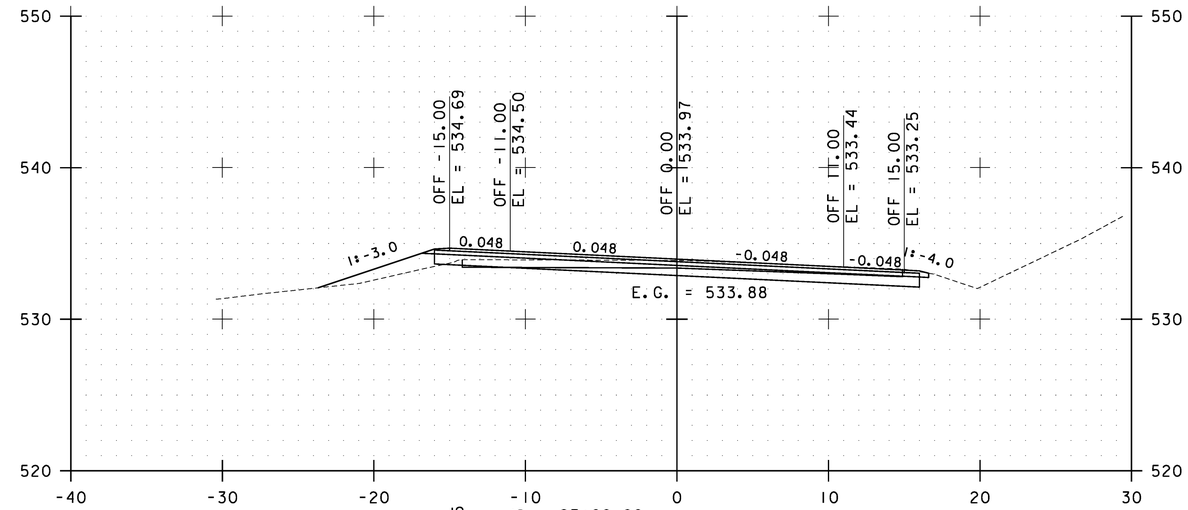
21+50.00



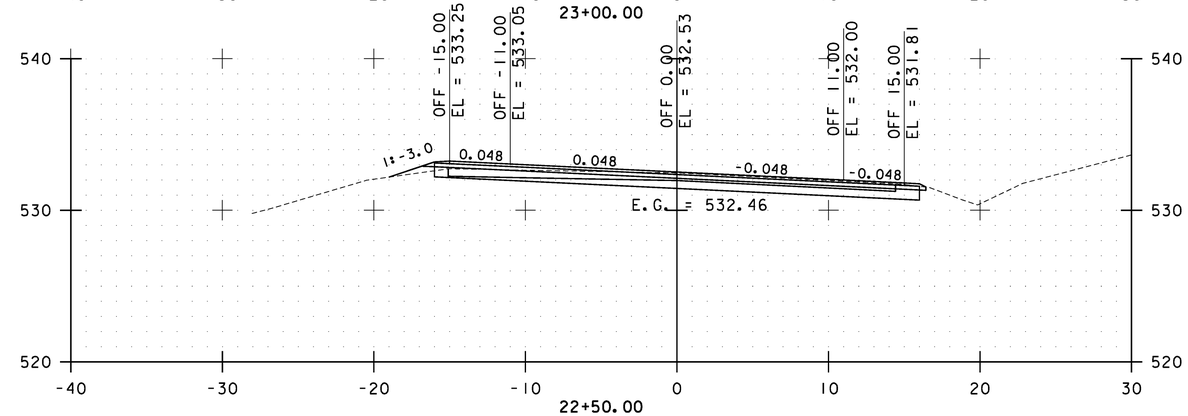
21+00.00



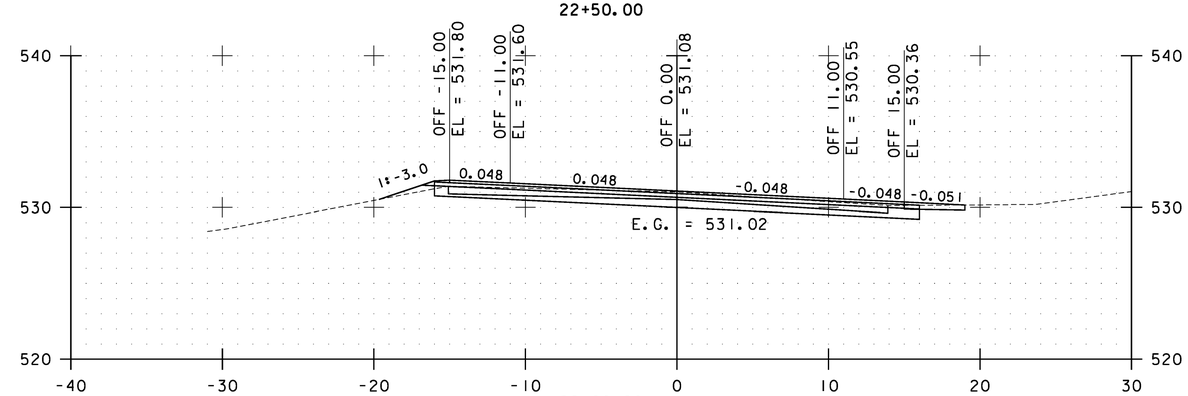
20+50.00



23+00.00



22+50.00



22+00.00

STA. 20+50.00 TO STA. 23+00.00

0 10 20
SCALE

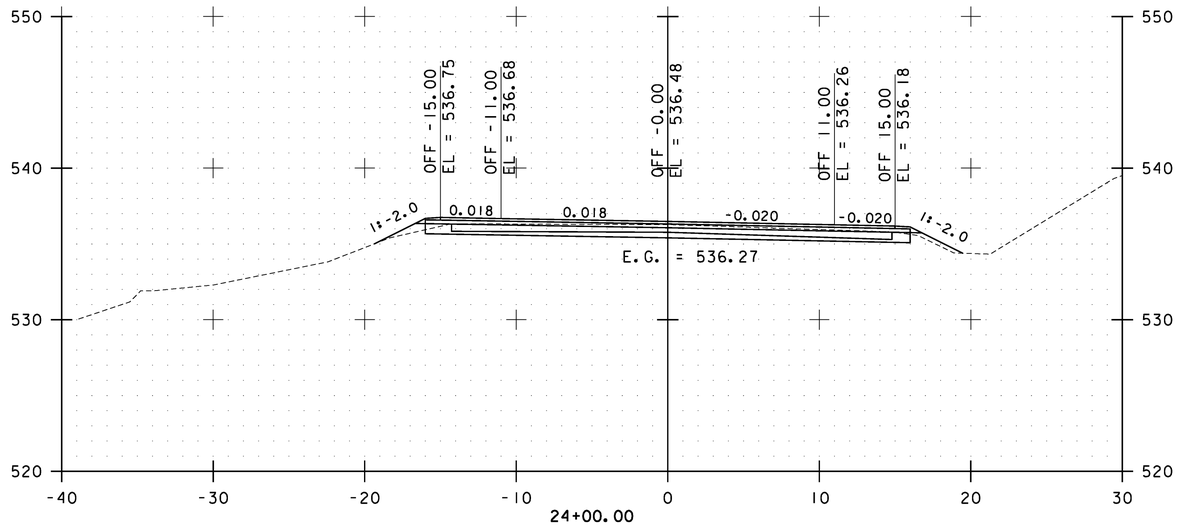
Stantec

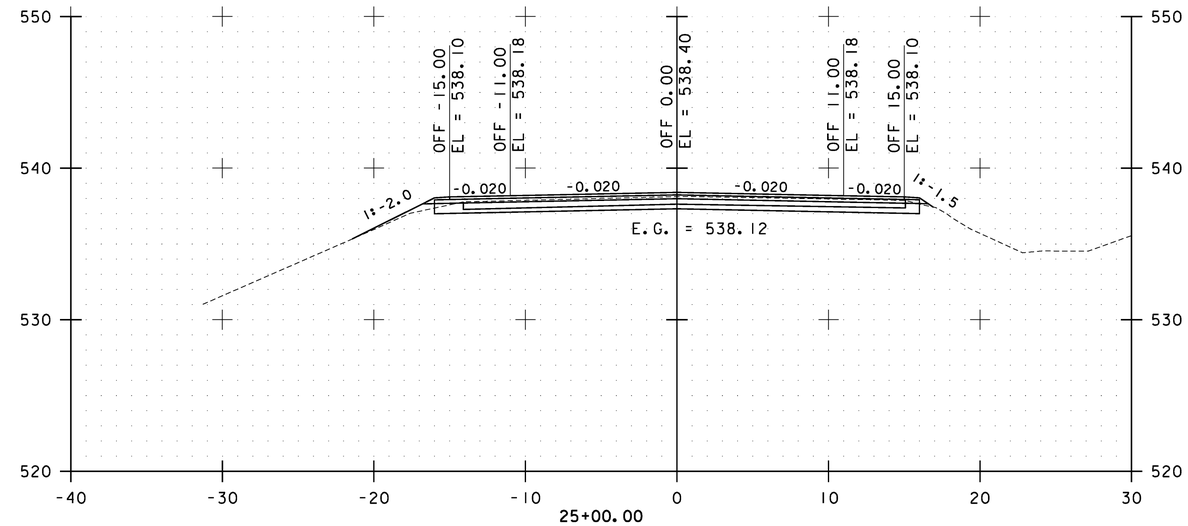
BAKERSFIELD CROSS SECTIONS SHEET #9

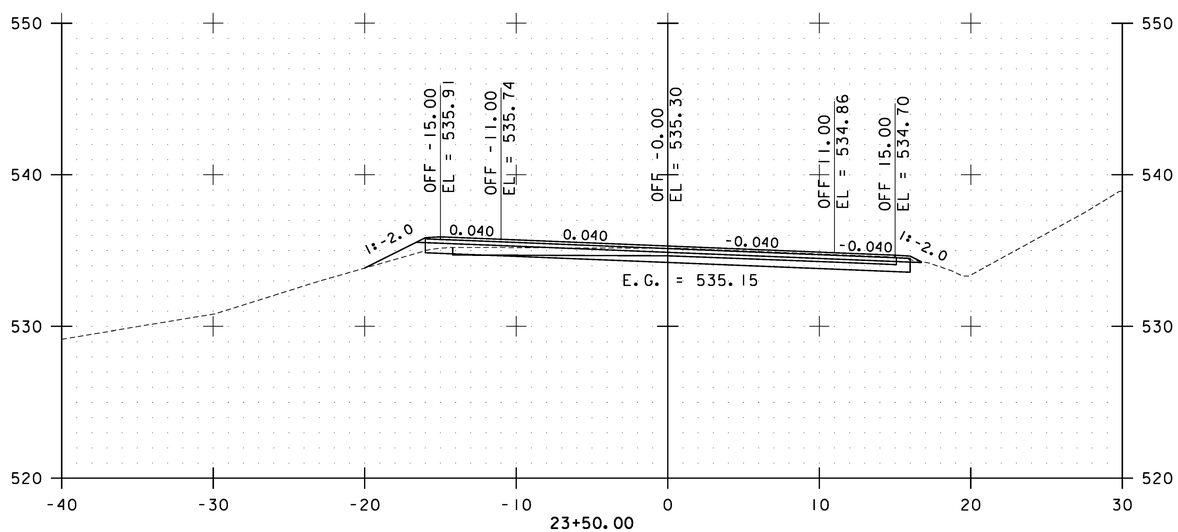
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

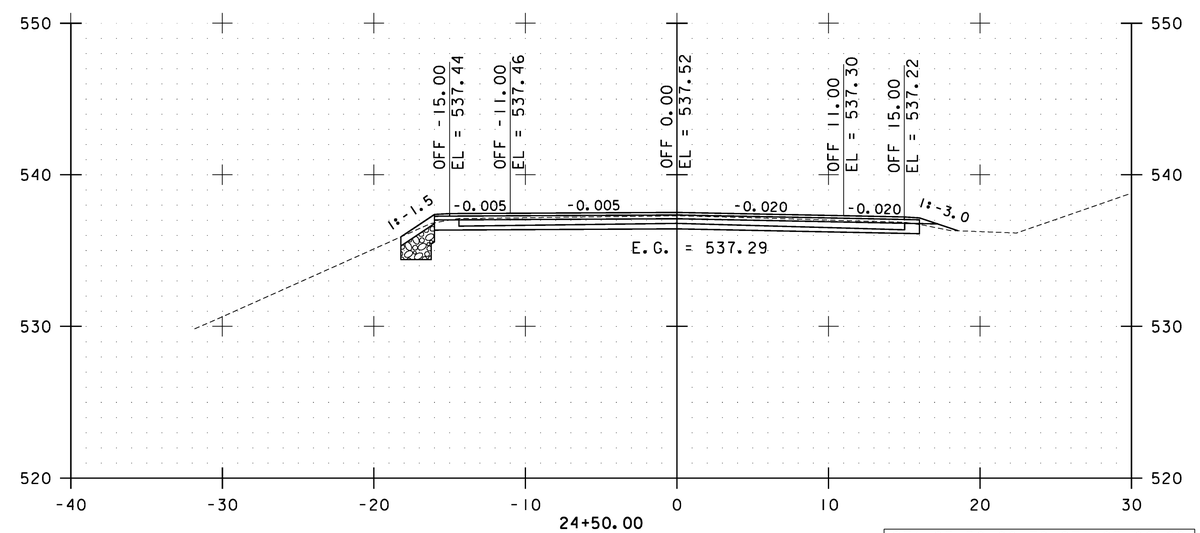
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs09.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 279 OF 387









STA. 23+50.00 TO STA. 25+00.00

0 10 20
SCALE

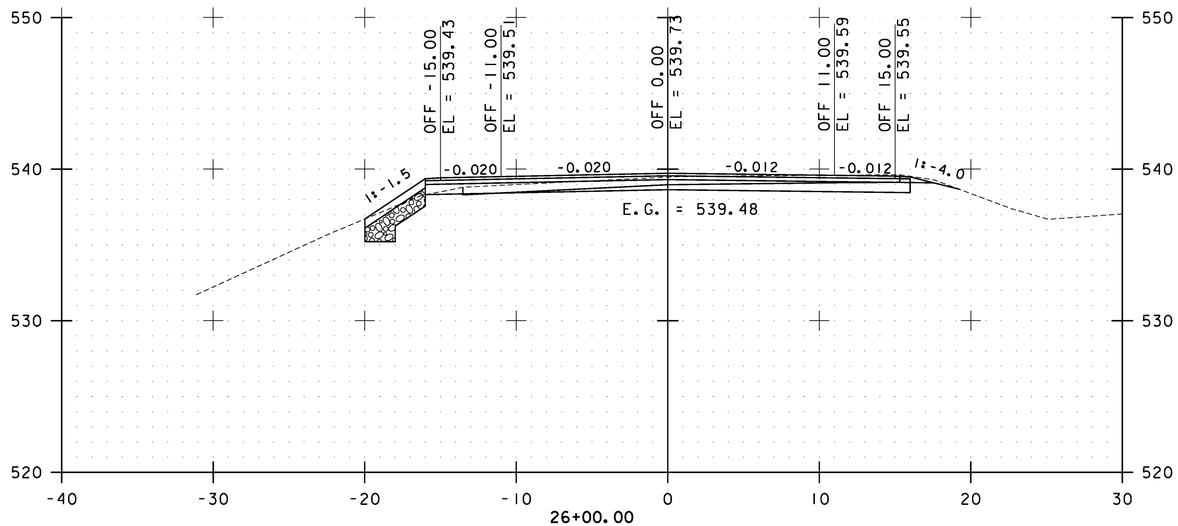
Stantec

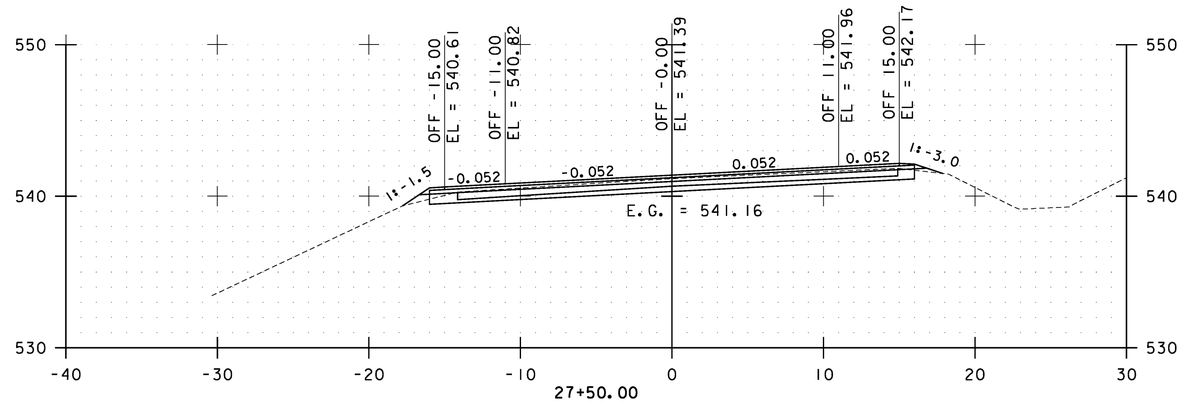
BAKERSFIELD CROSS SECTIONS SHEET #10

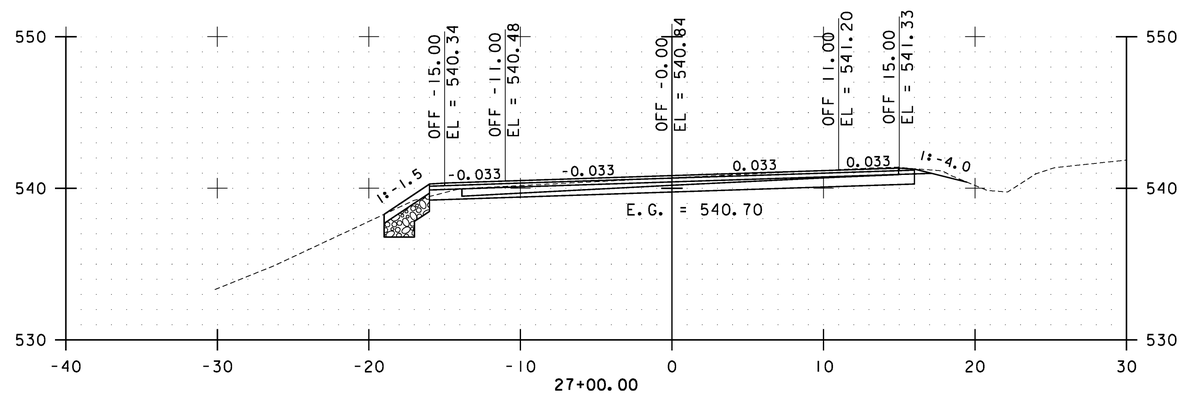
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

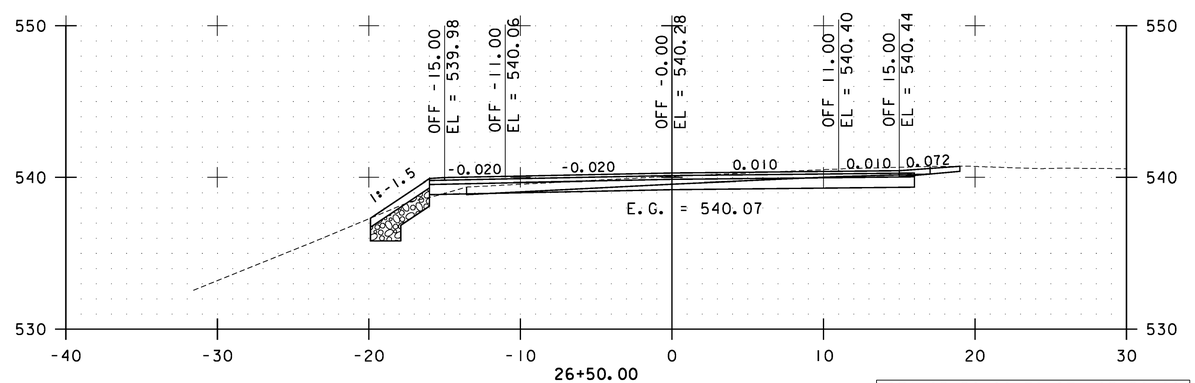
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs10.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 280 OF 387









STA. 25+50.00 TO STA. 27+50.00

0 10 20
SCALE

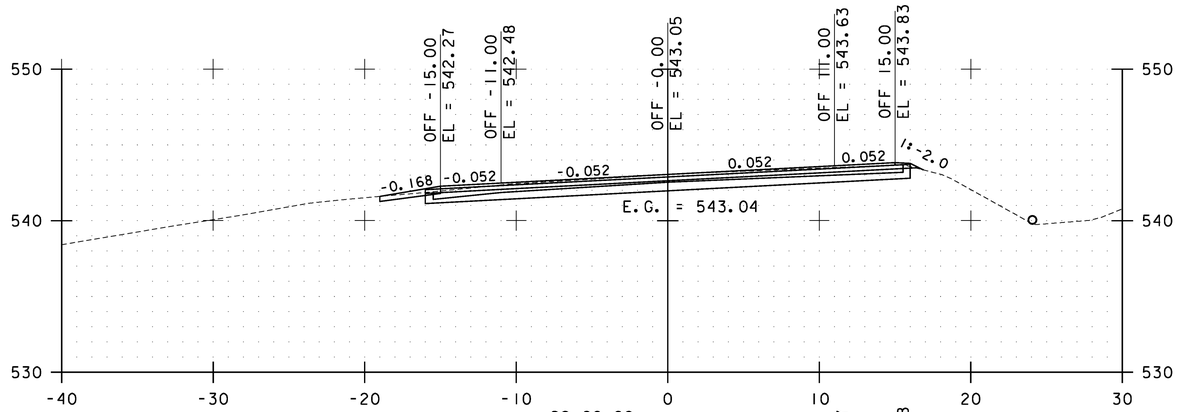
Stantec

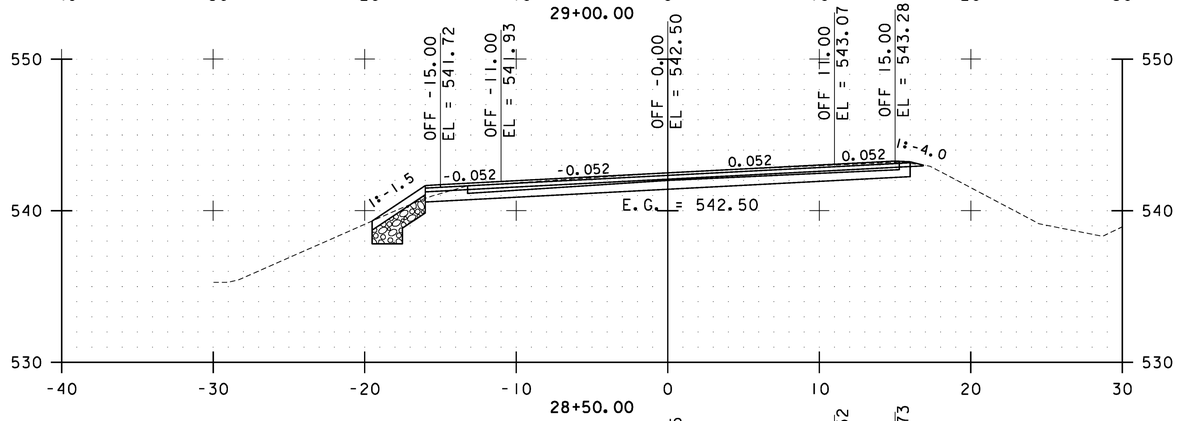
BAKERSFIELD CROSS SECTIONS SHEET #11

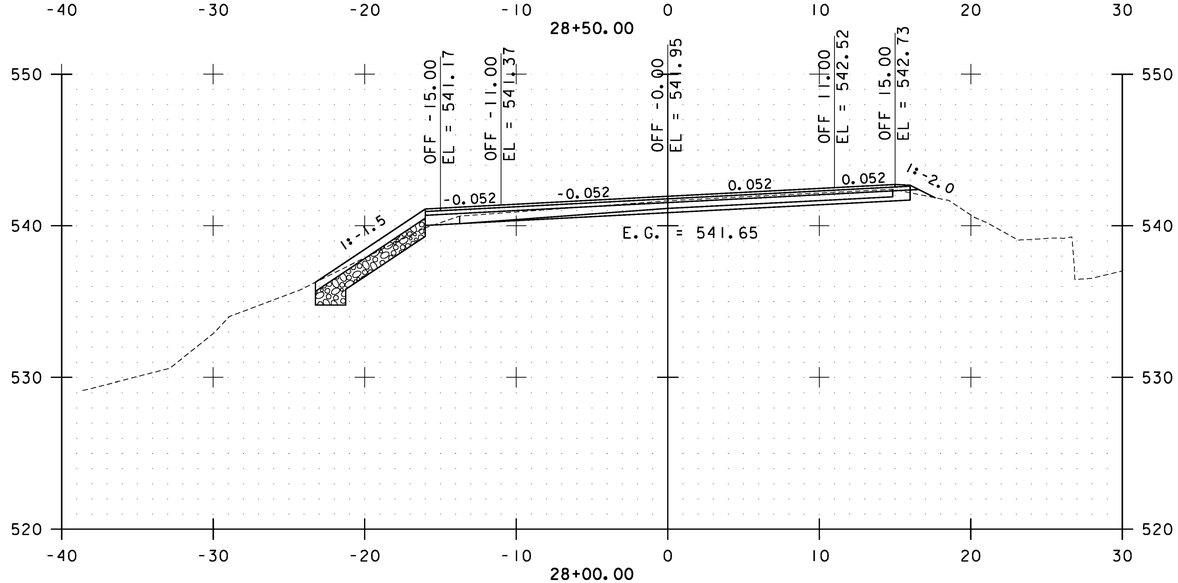
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

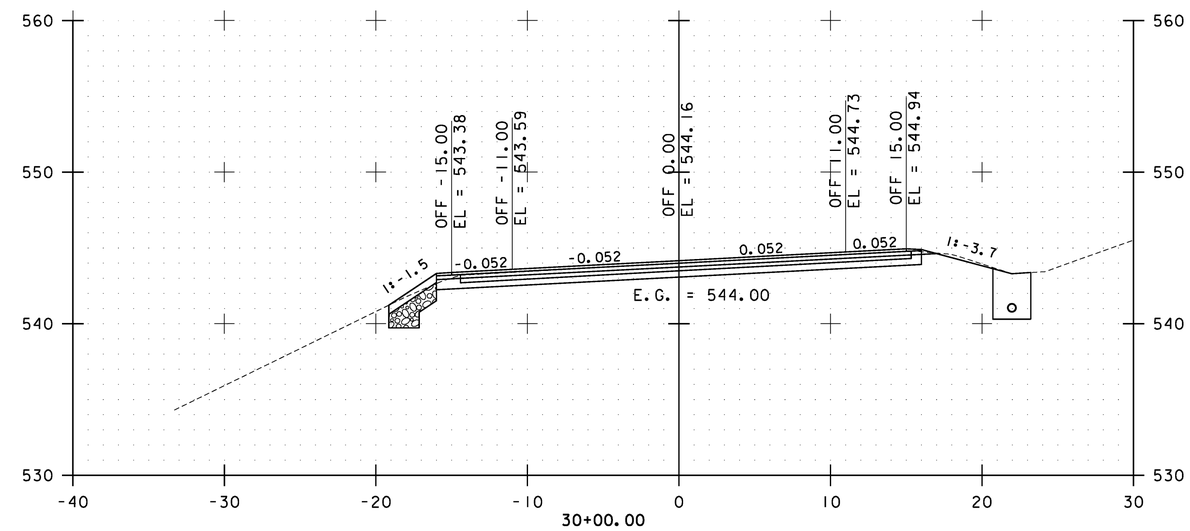
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs11.i

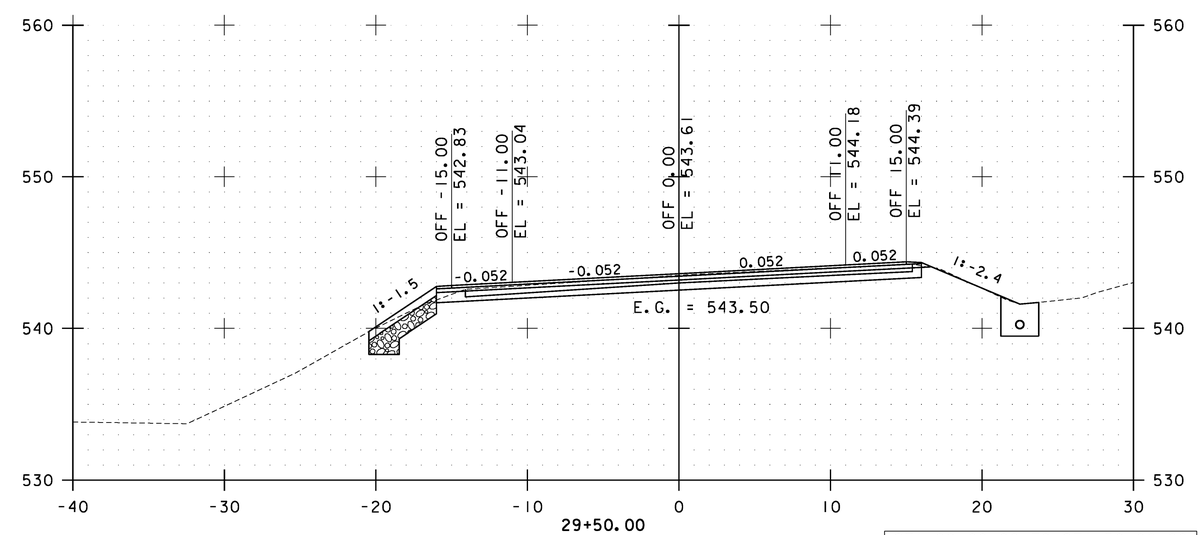
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 281 OF 387











STA. 28+00.00 TO STA. 30+00.00

0 10 20
SCALE

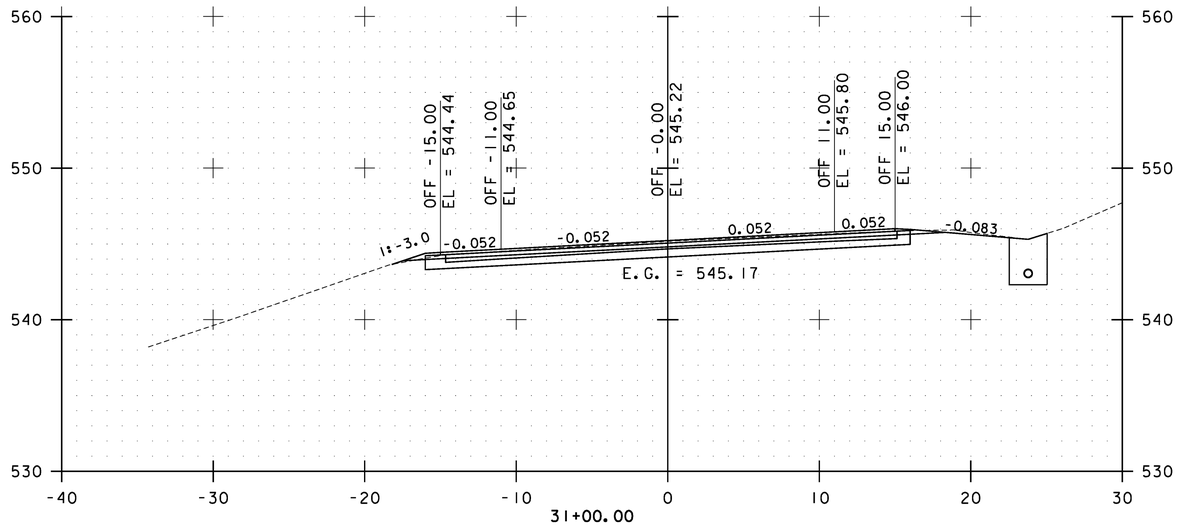
Stantec

BAKERSFIELD CROSS SECTIONS SHEET #12

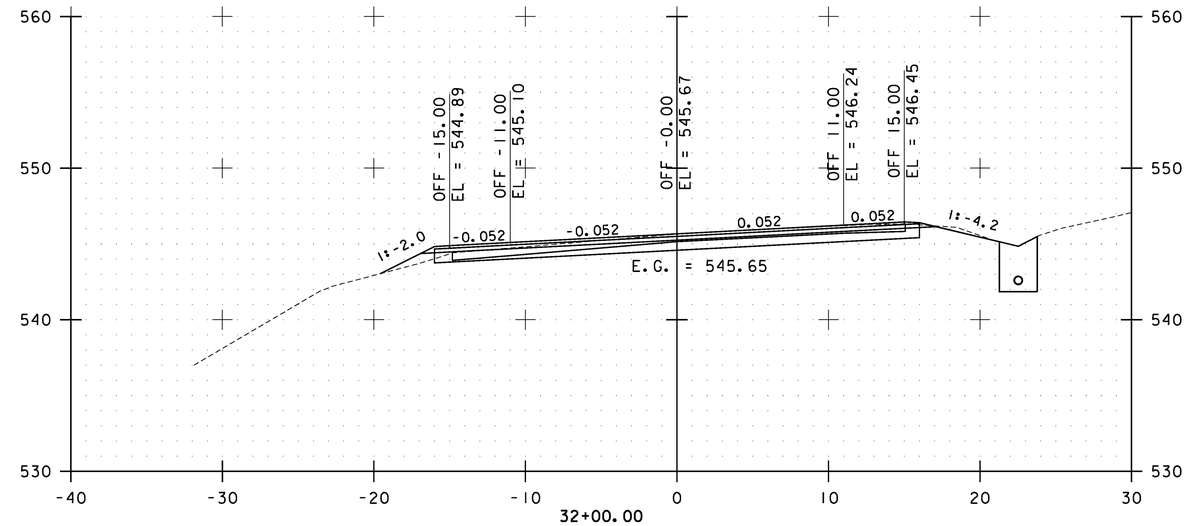
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs12.i

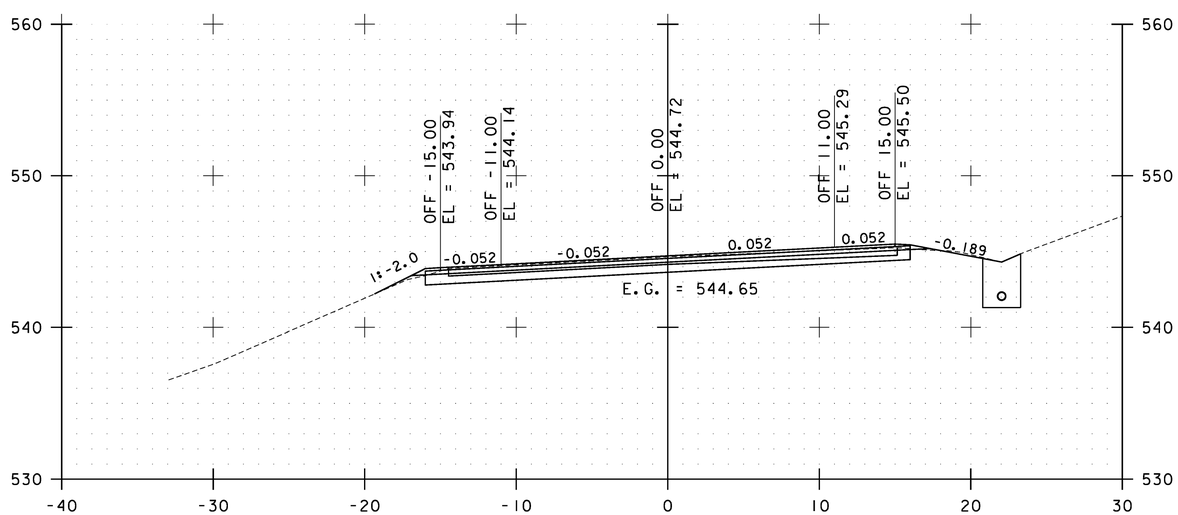
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 282 OF 387



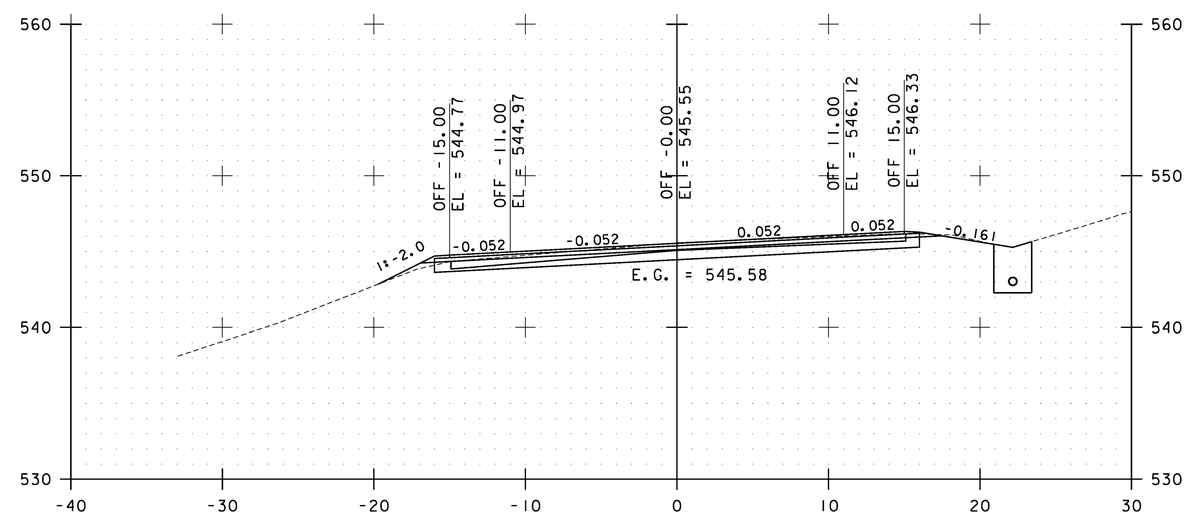
31+00.00



32+00.00



30+50.00



31+50.00

STA. 30+50.00 TO STA. 32+00.00

0 10 20
SCALE

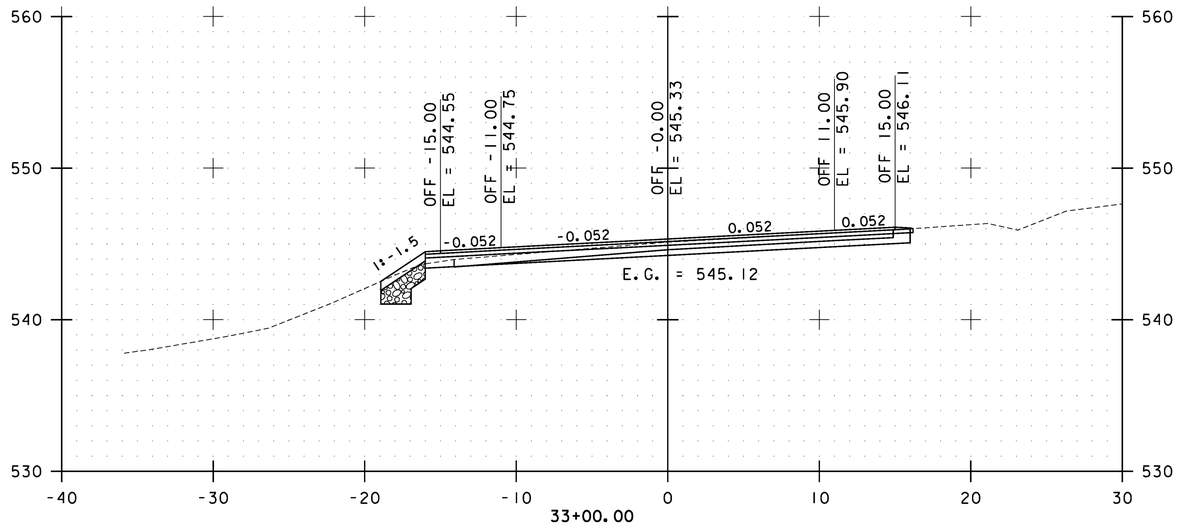
Stantec

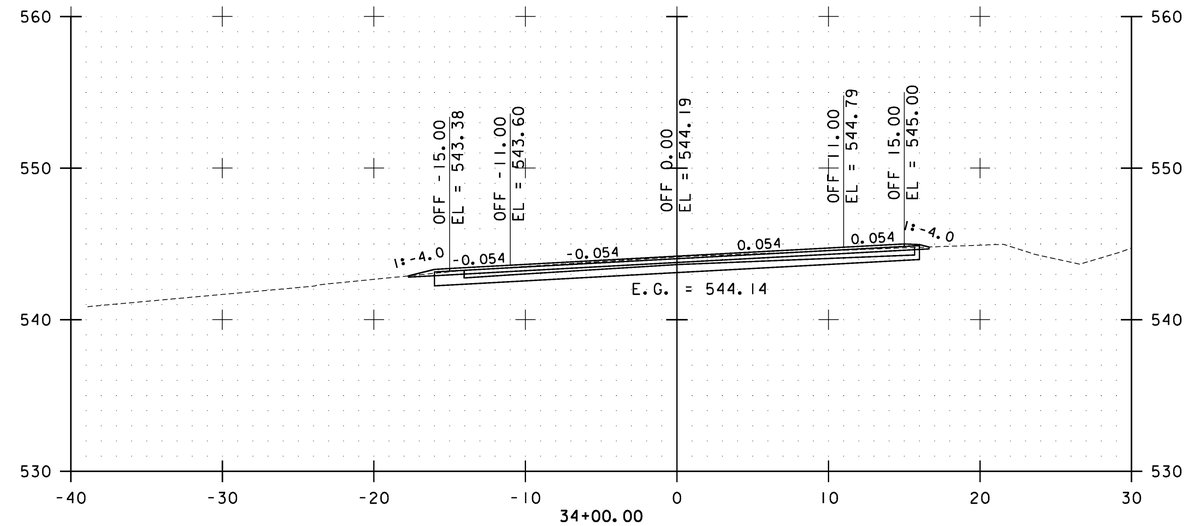
BAKERSFIELD CROSS SECTIONS SHEET #13

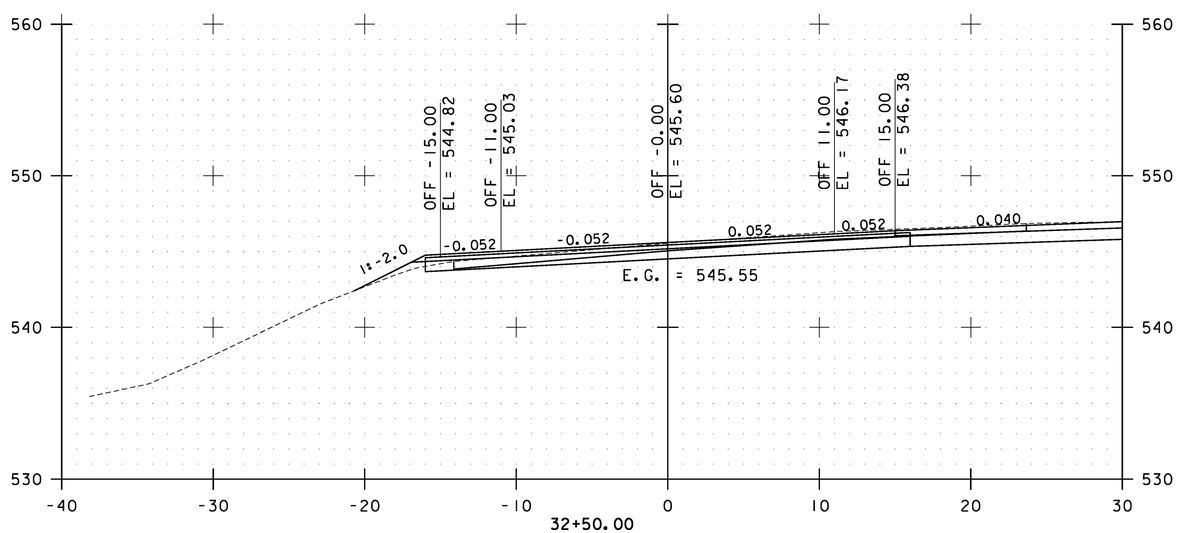
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

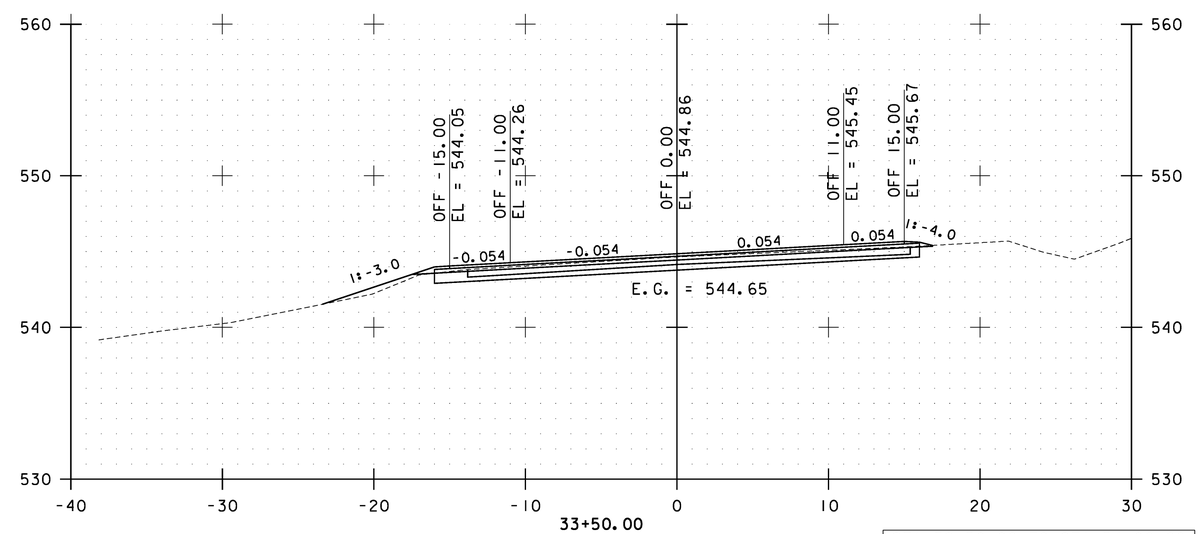
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs13.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 283 OF 387









STA. 32+50.00 TO STA. 34+00.00

0 10 20
SCALE

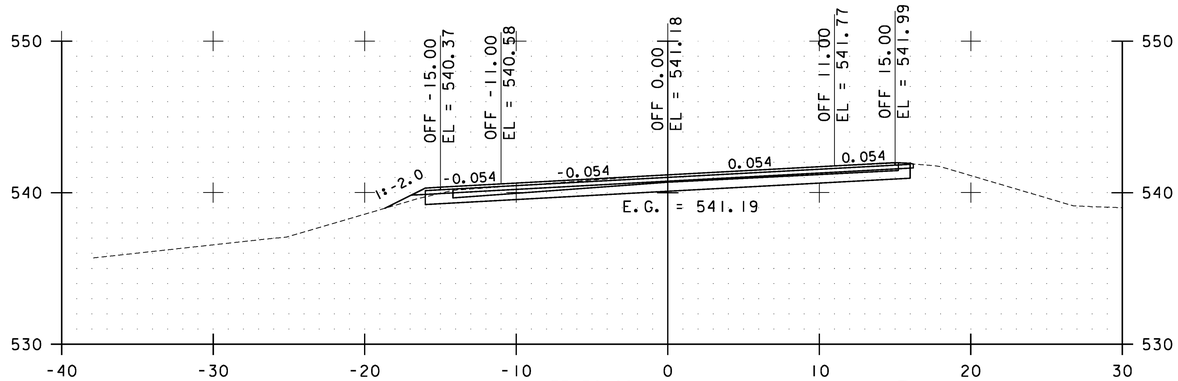
Stantec

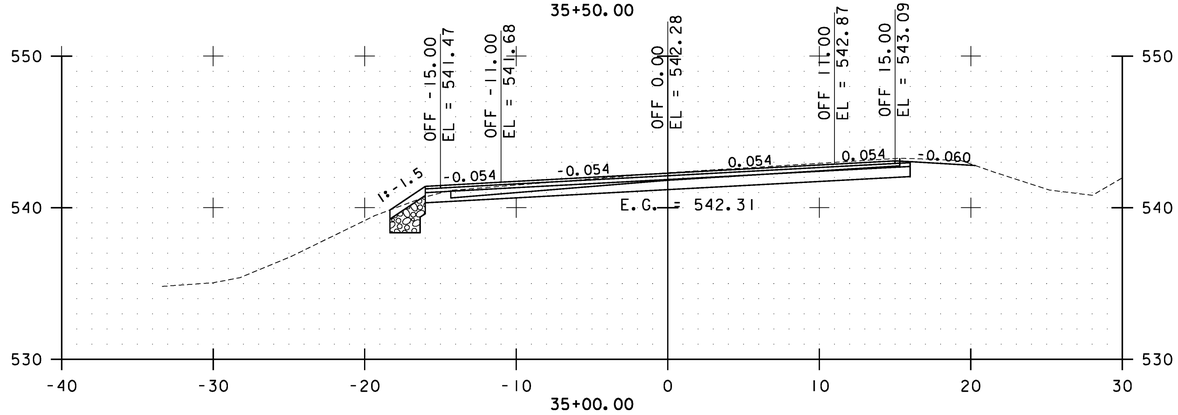
BAKERSFIELD CROSS SECTIONS SHEET #14

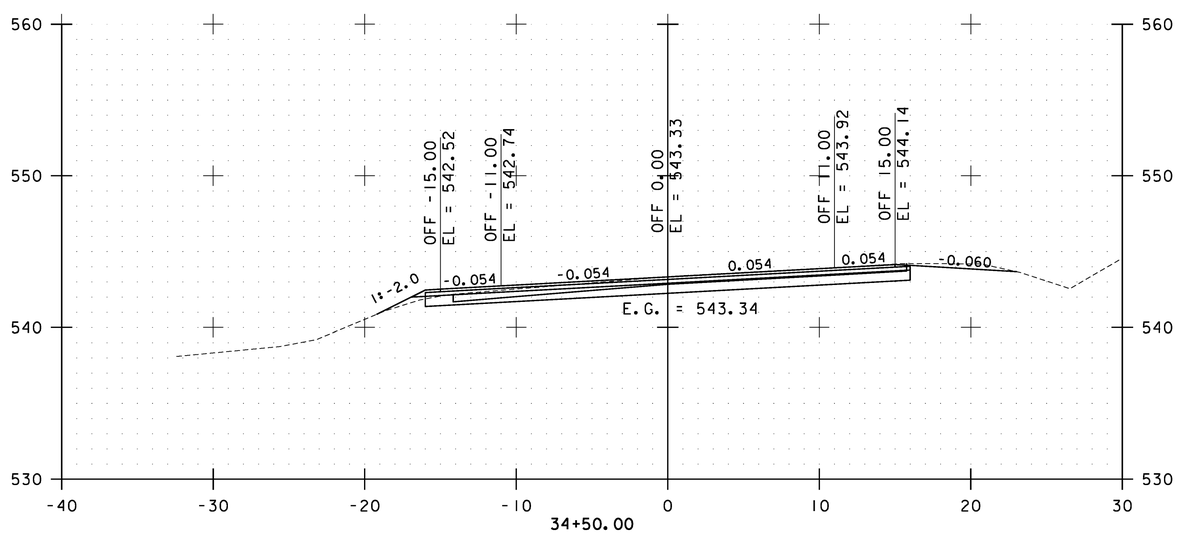
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

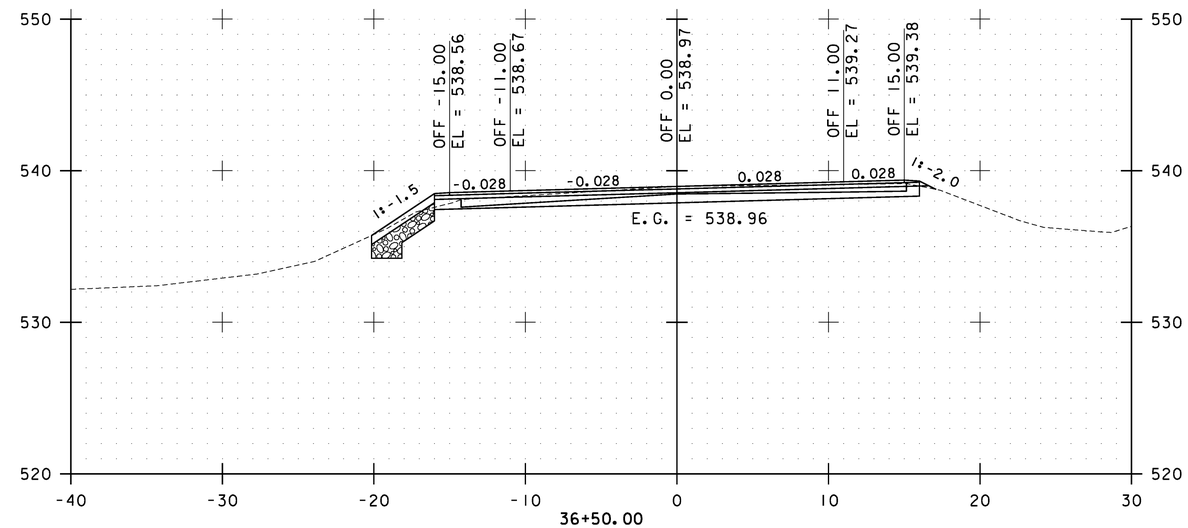
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs14.i

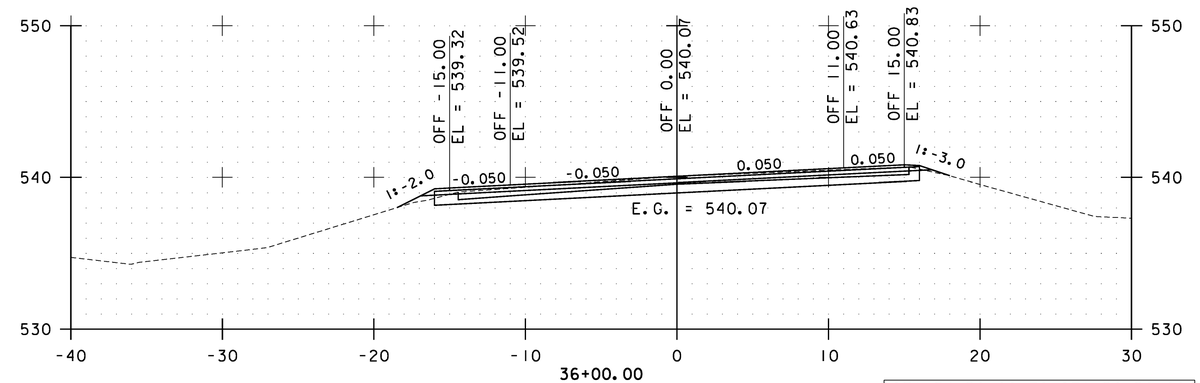
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 284 OF 387











STA. 34+50.00 TO STA. 36+50.00

0 10 20
SCALE

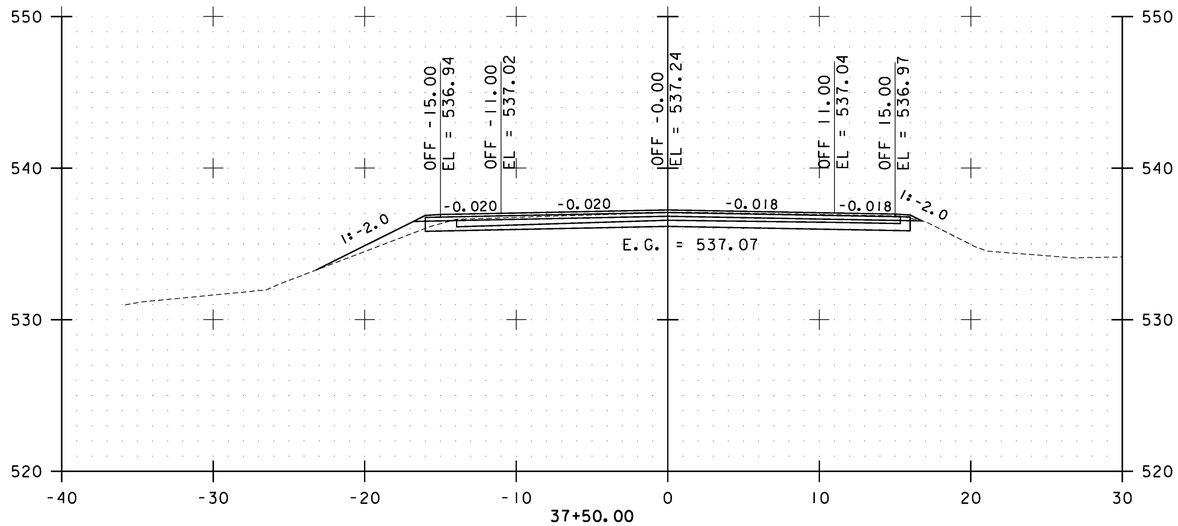
Stantec

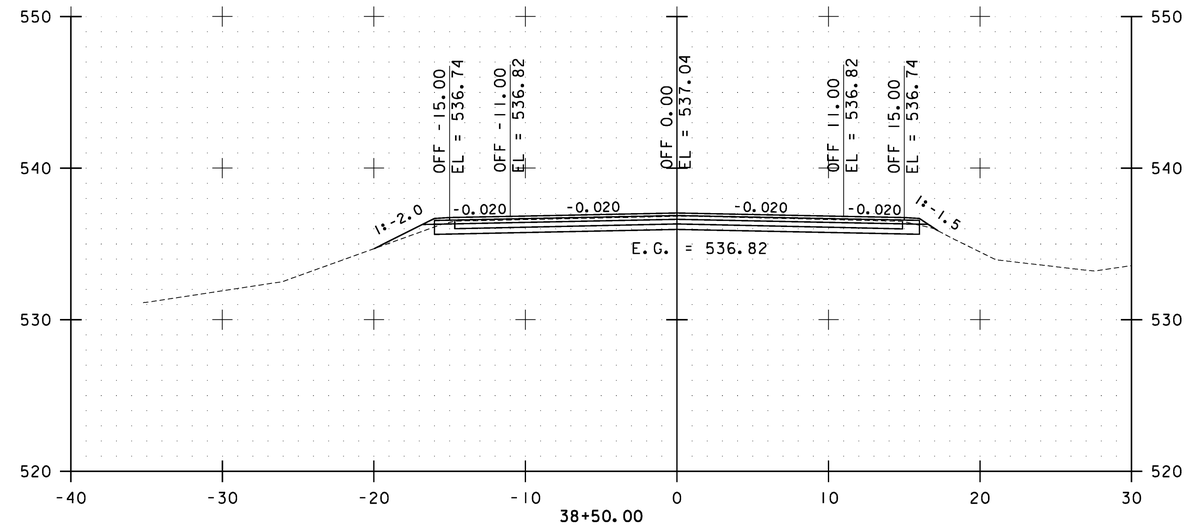
BAKERSFIELD CROSS SECTIONS SHEET #15

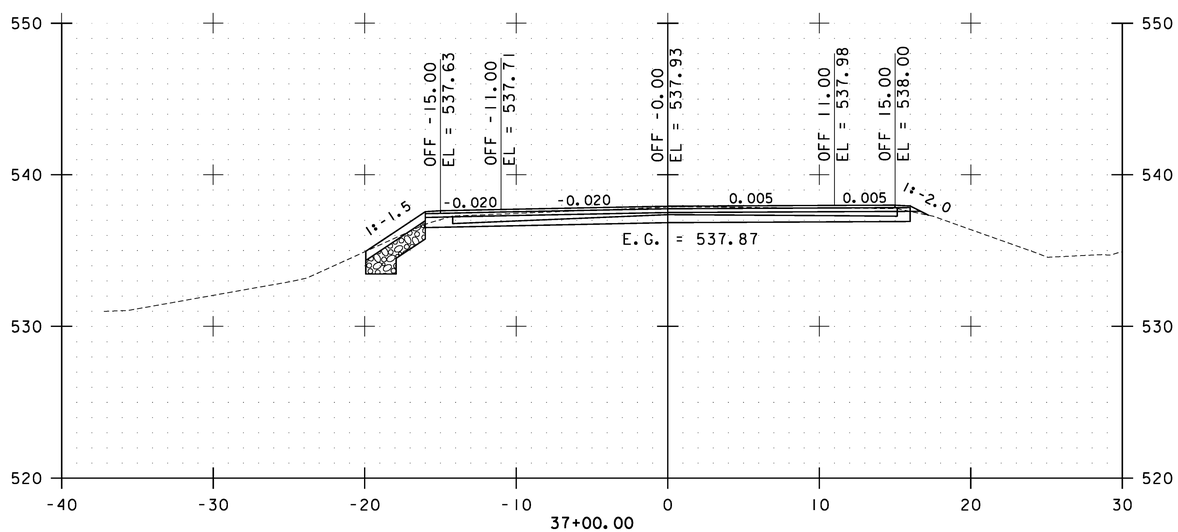
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

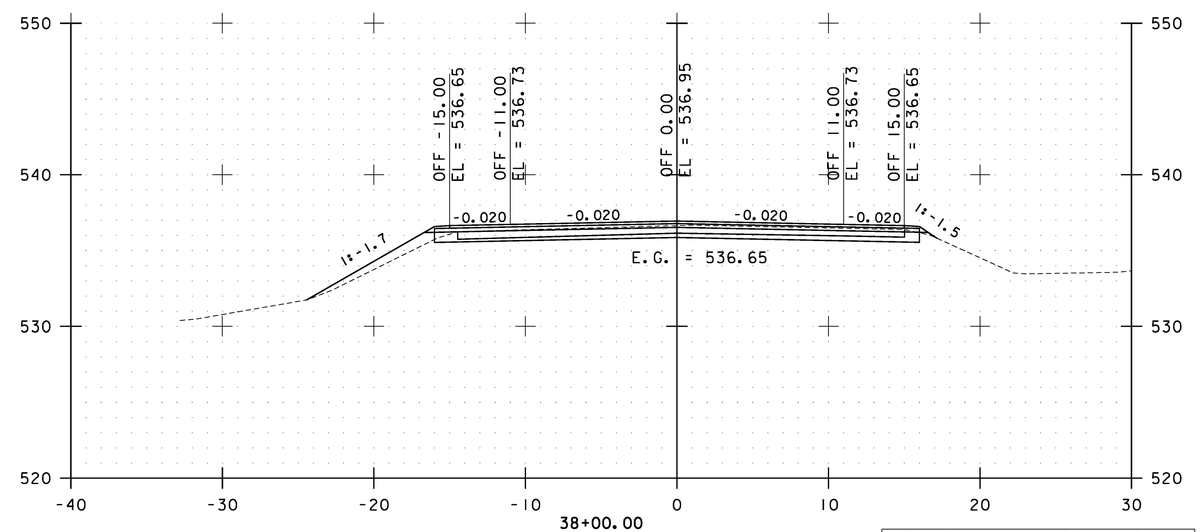
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs15.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 285 OF 387









STA. 37+00.00 TO STA. 38+50.00

0 10 20
SCALE

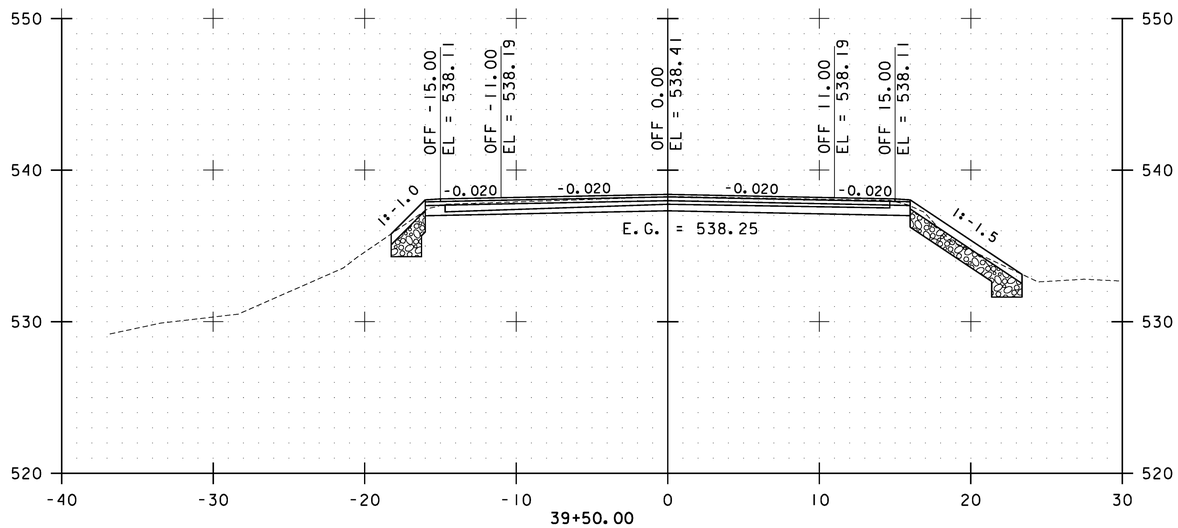
Stantec

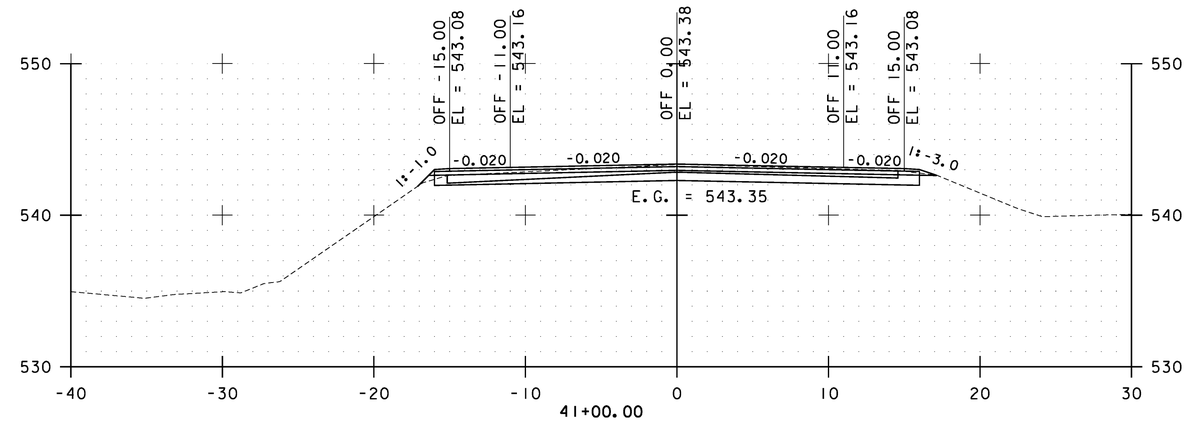
BAKERSFIELD CROSS SECTIONS SHEET #16

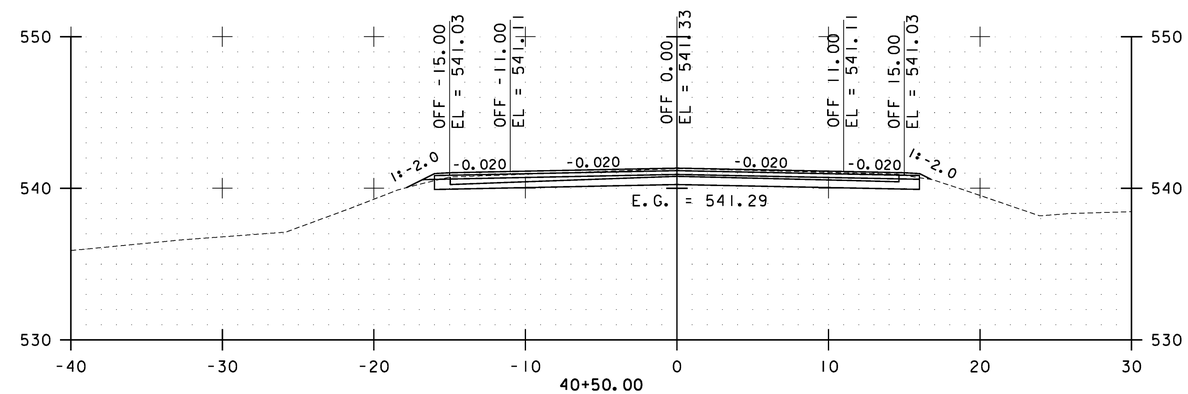
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

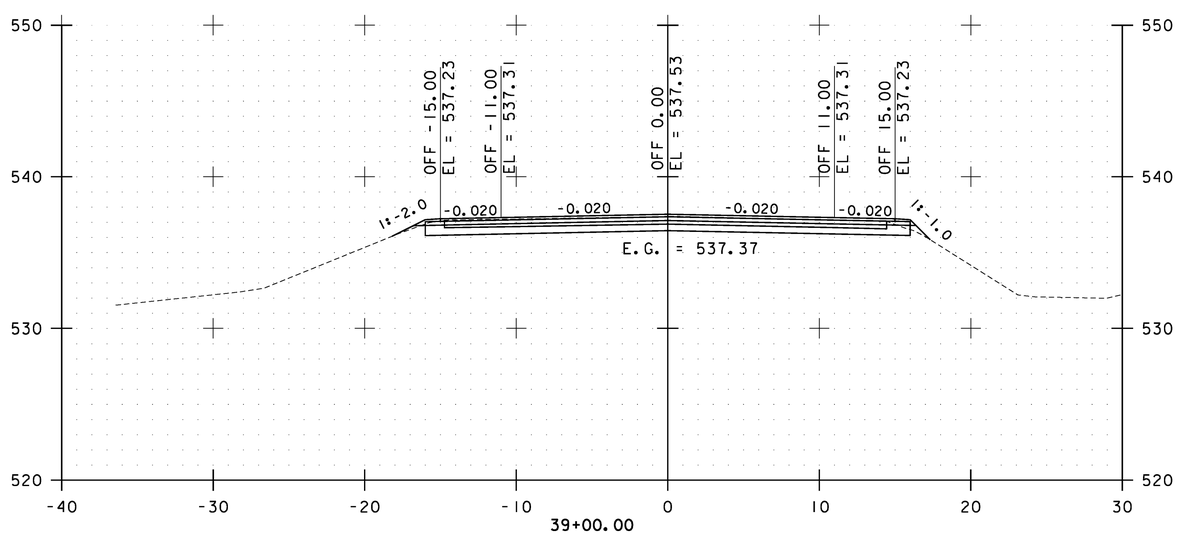
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs16.i

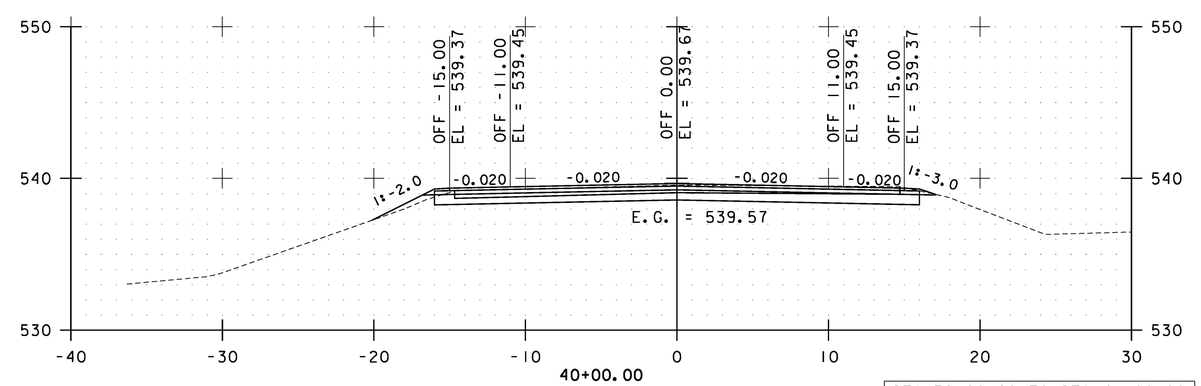
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 286 OF 387











STA. 39+00.00 TO STA. 41+00.00

0 10 20
SCALE

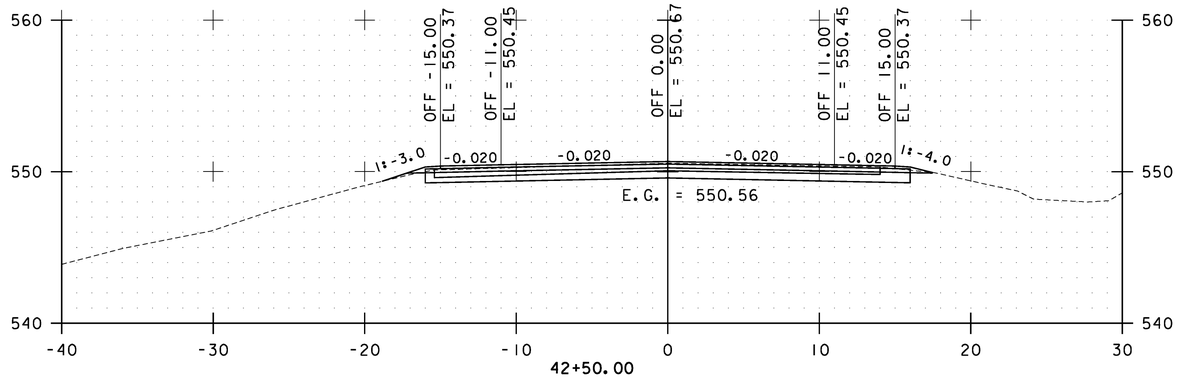
Stantec

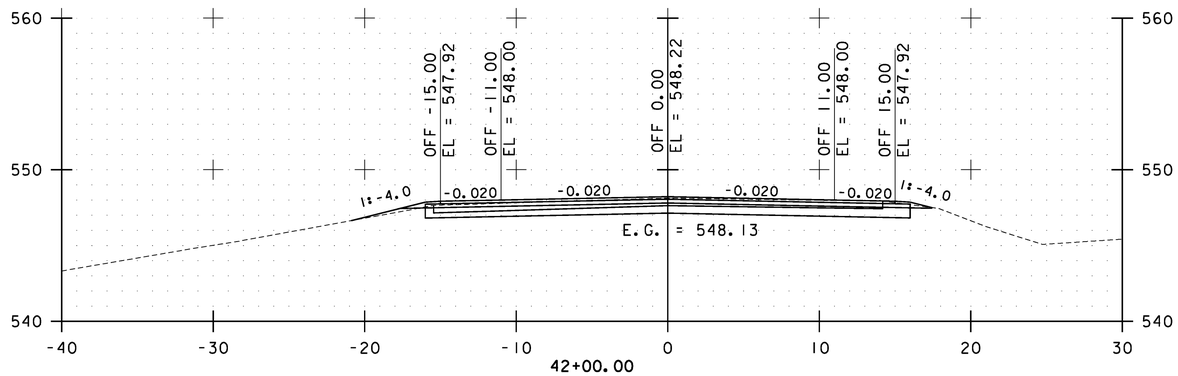
BAKERSFIELD CROSS SECTIONS SHEET #17

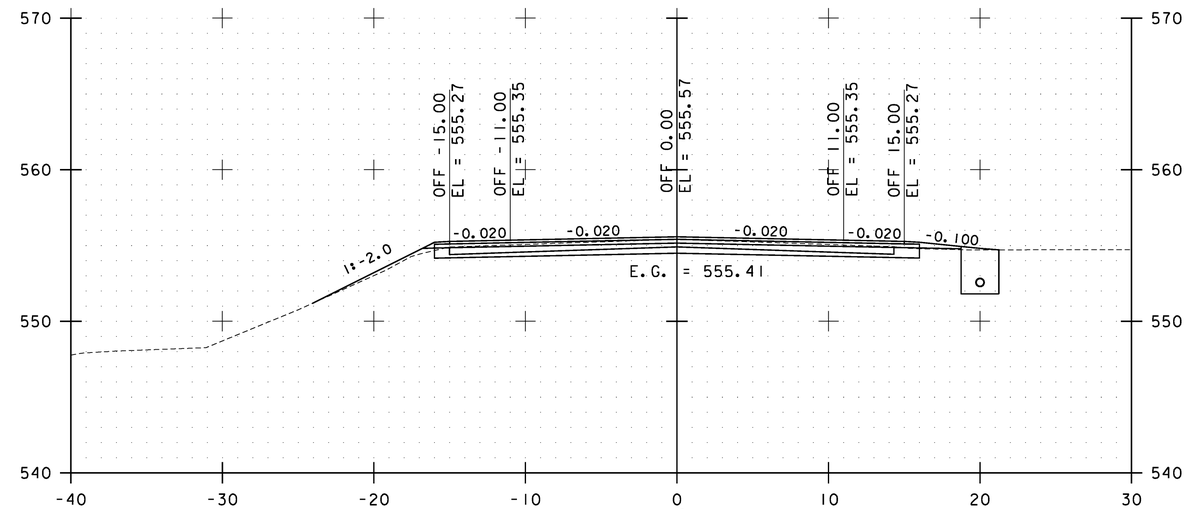
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

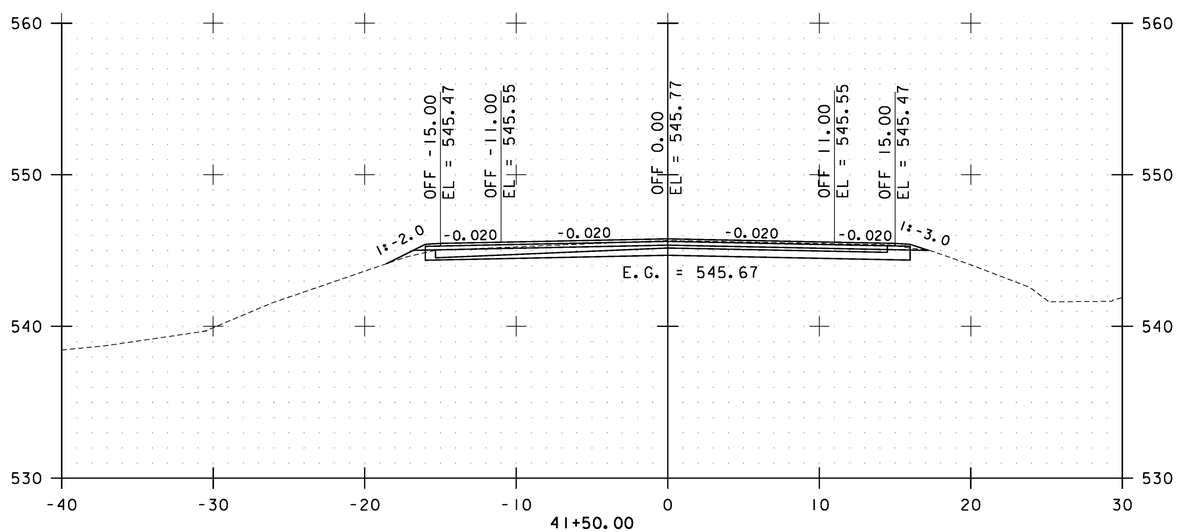
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs17.i

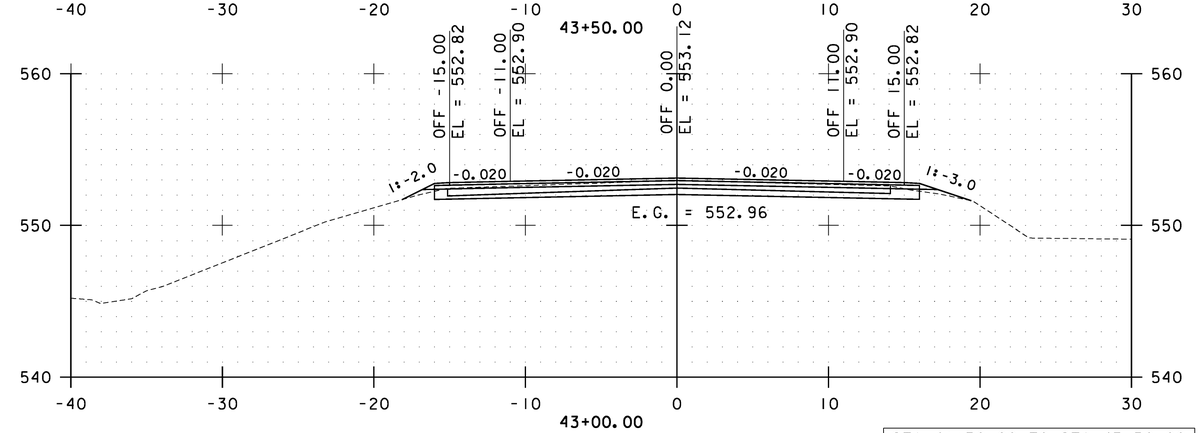
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 287 OF 387











STA. 41+50.00 TO STA. 43+50.00

0 10 20
SCALE

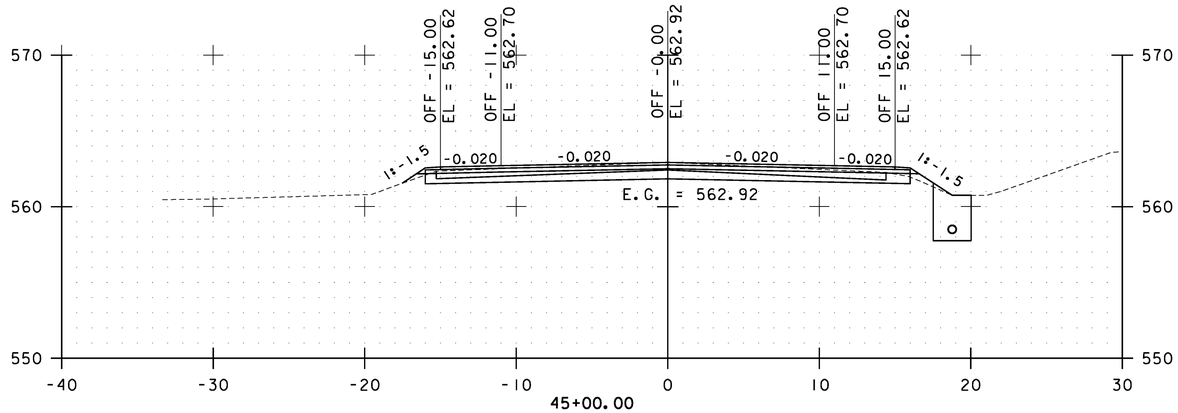
Stantec

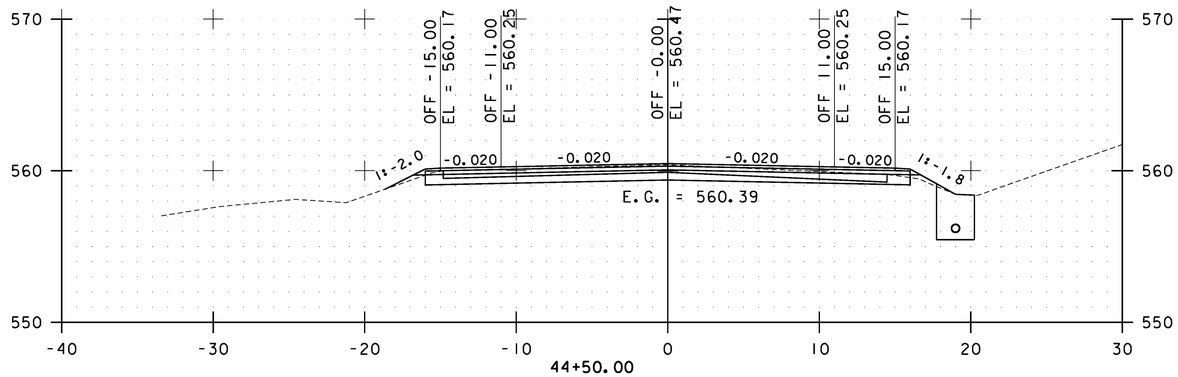
BAKERSFIELD CROSS SECTIONS SHEET #18

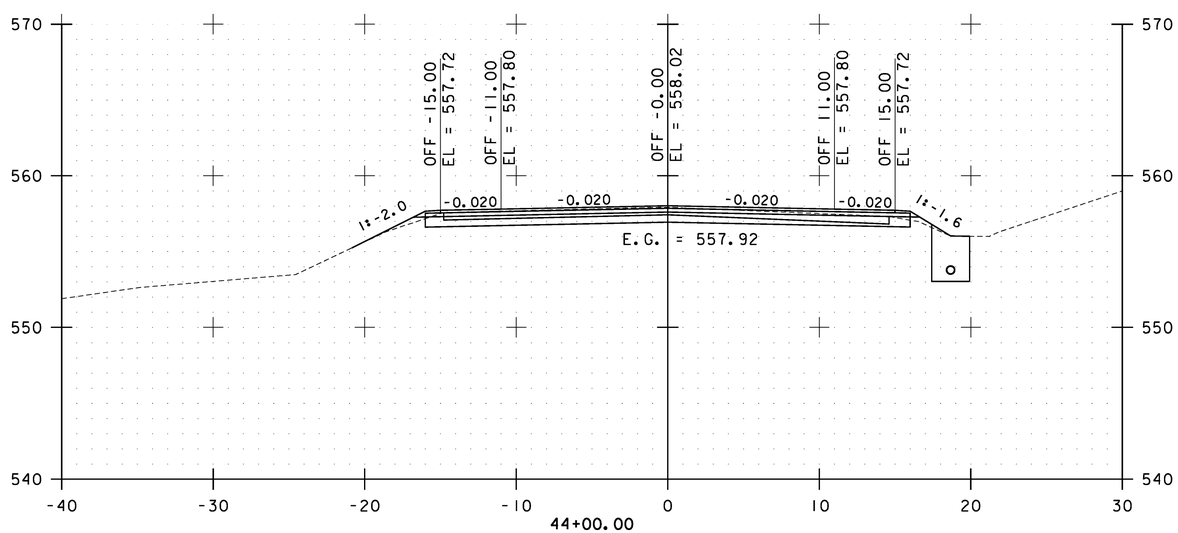
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

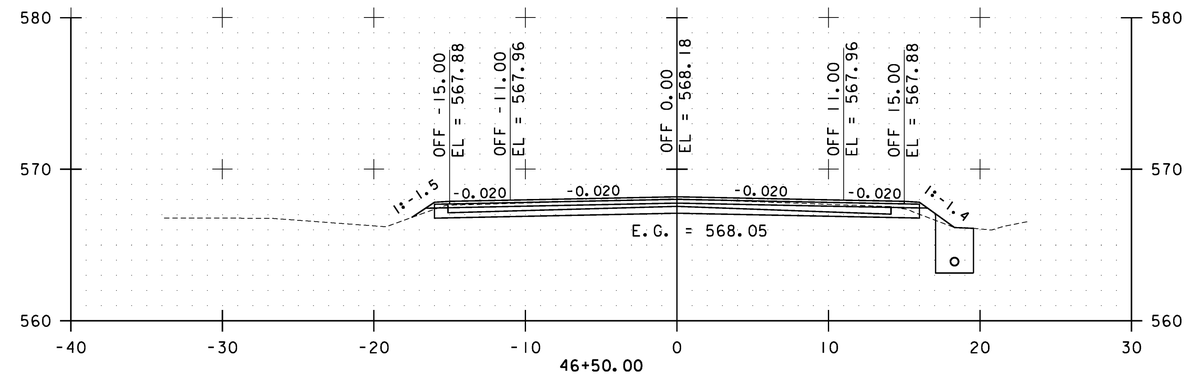
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs18.i

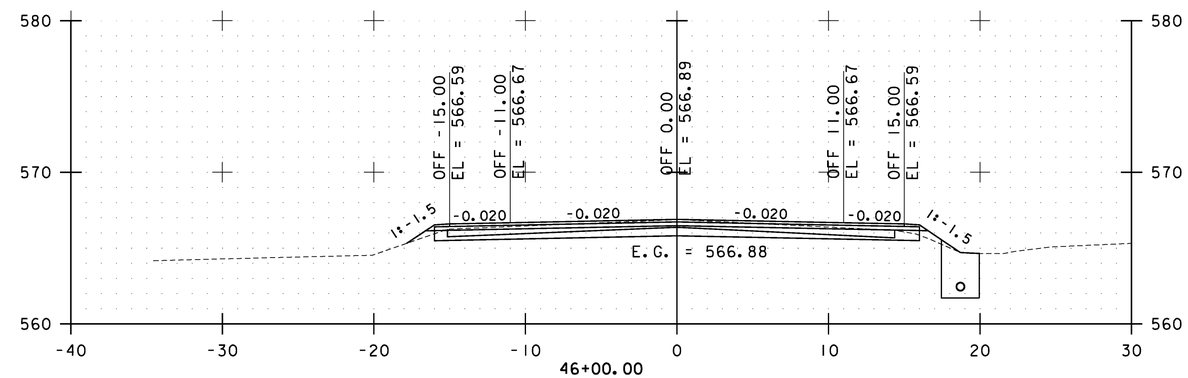
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 288 OF 387

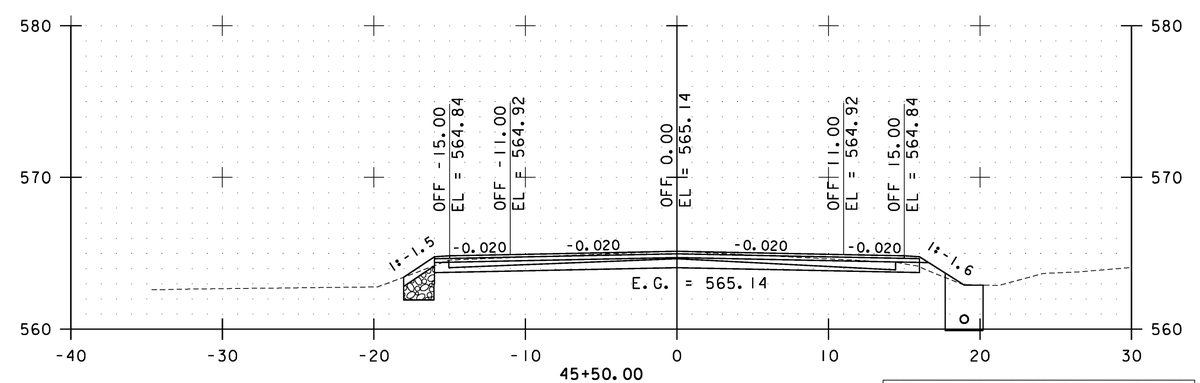












STA. 44+00.00 TO STA. 46+50.00

0 10 20
SCALE

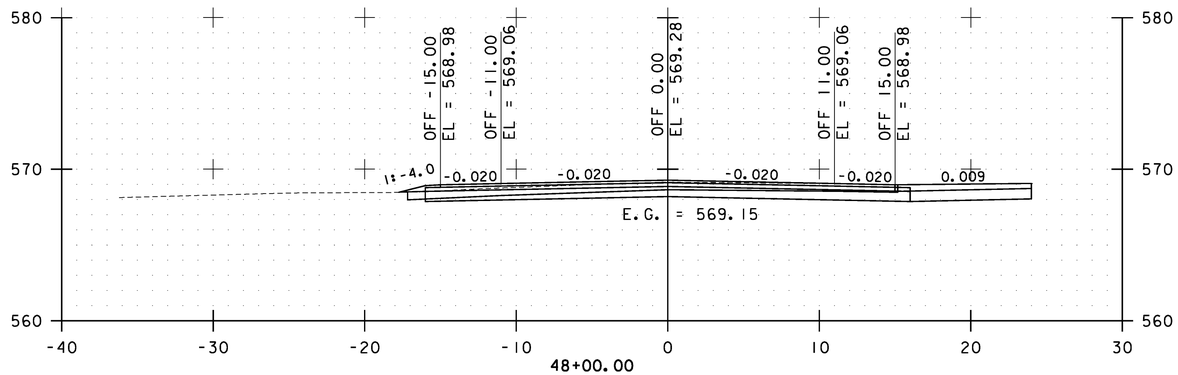
Stantec

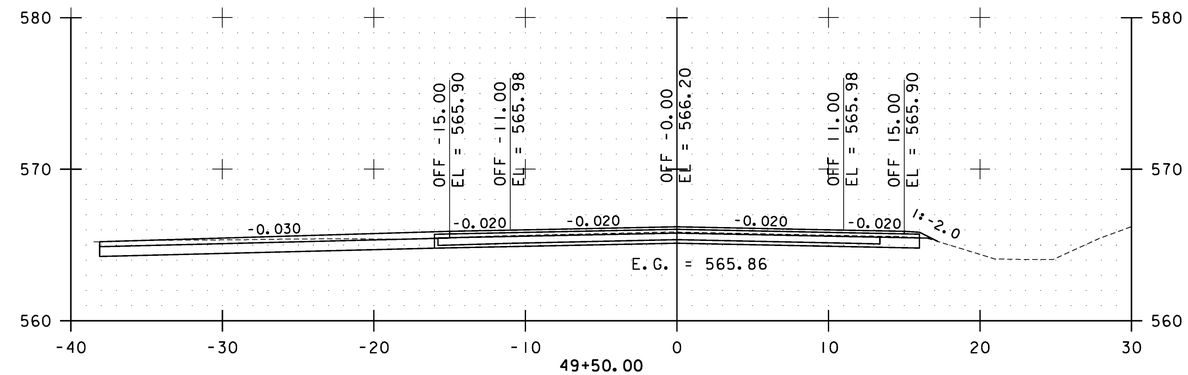
BAKERSFIELD CROSS SECTIONS SHEET #19

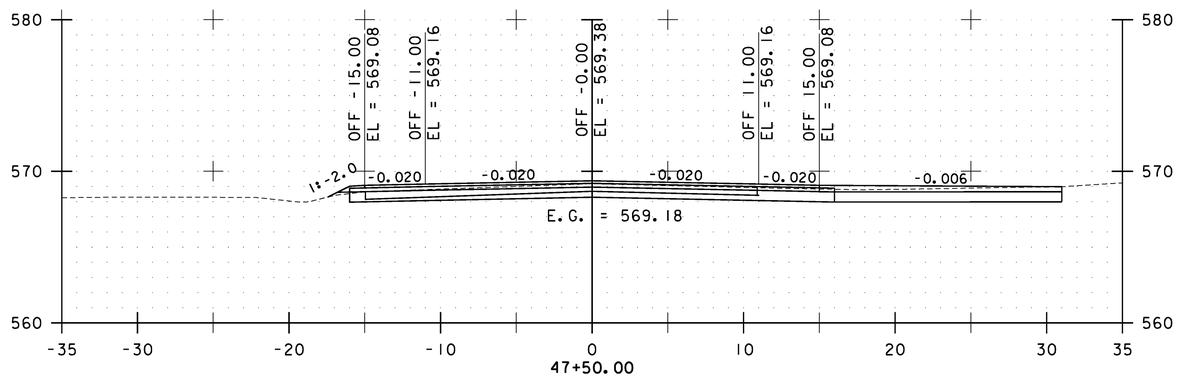
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

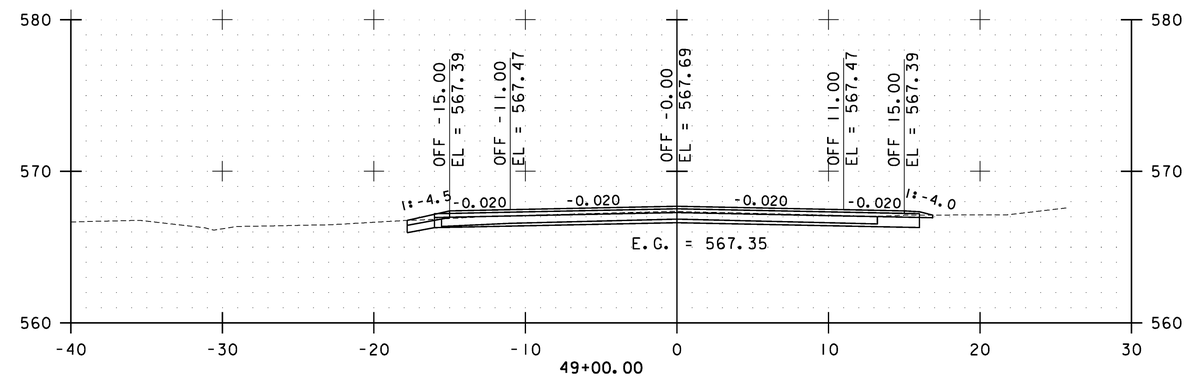
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs19.i

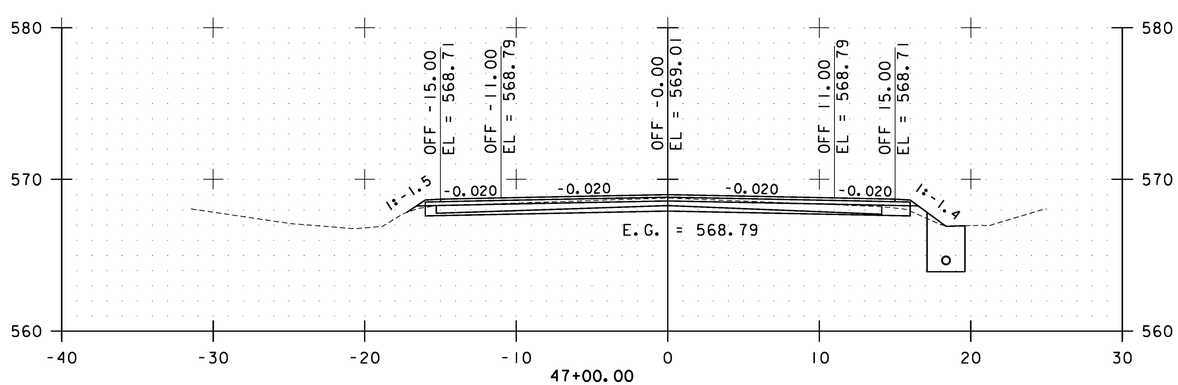
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 289 OF 387

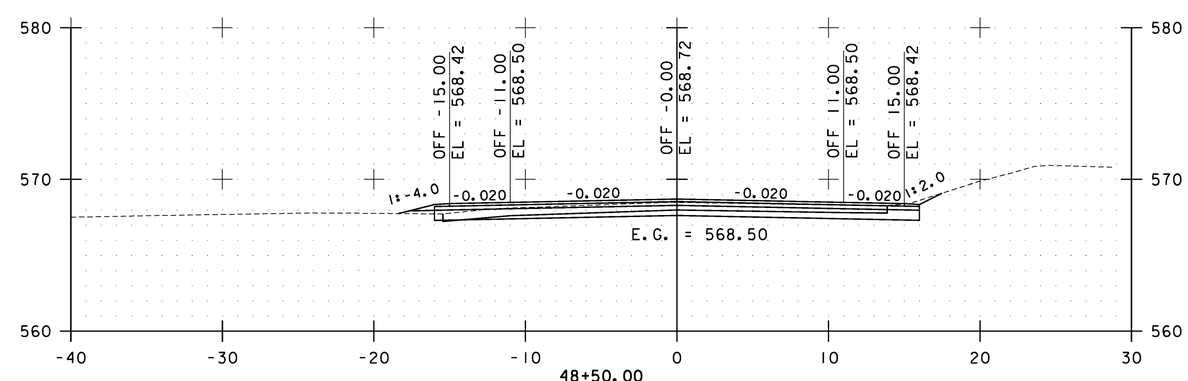












STA. 47+00.00 TO STA. 49+50.00

0 10 20
SCALE

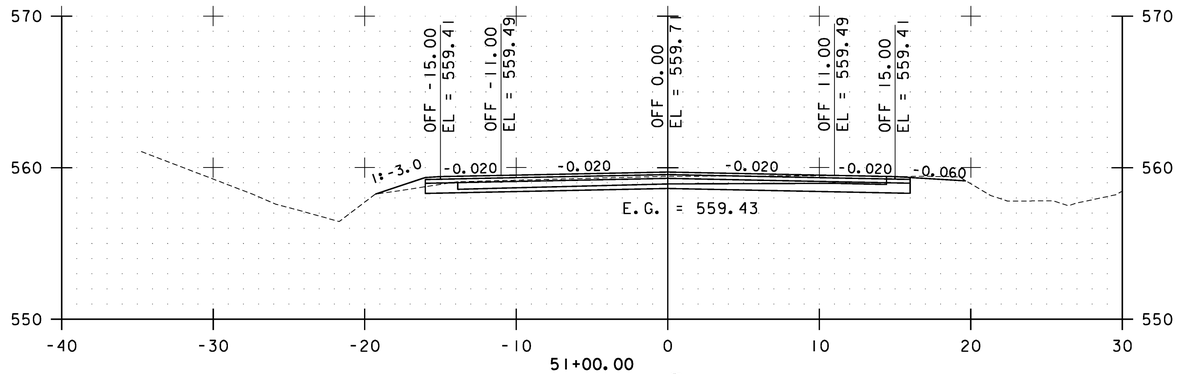
Stantec

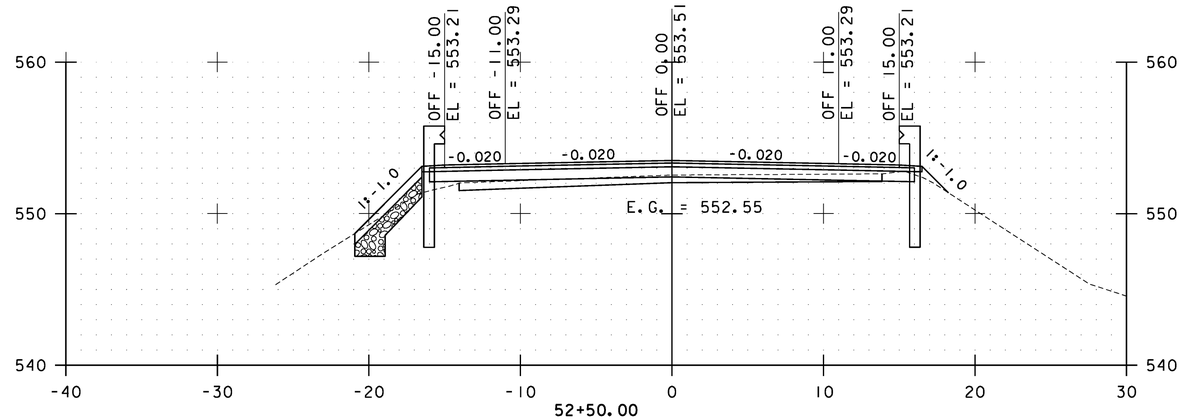
BAKERSFIELD CROSS SECTIONS SHEET #20

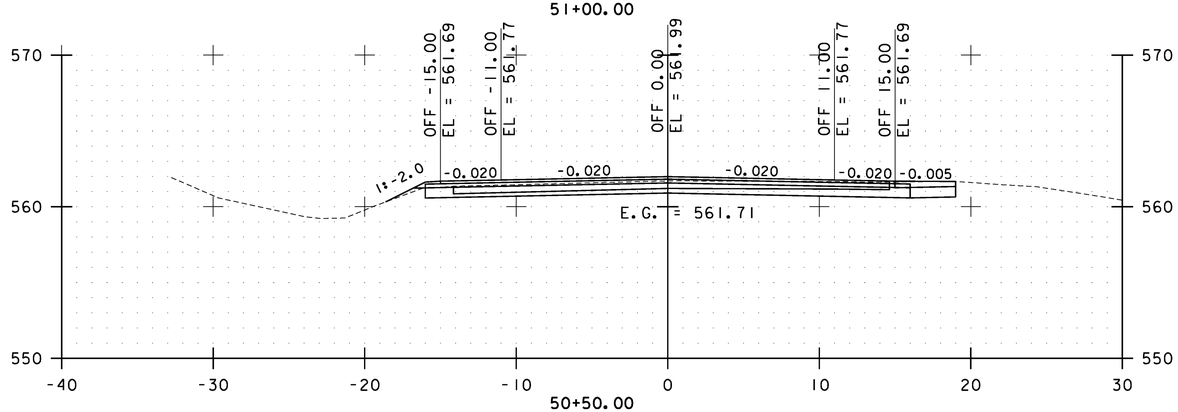
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

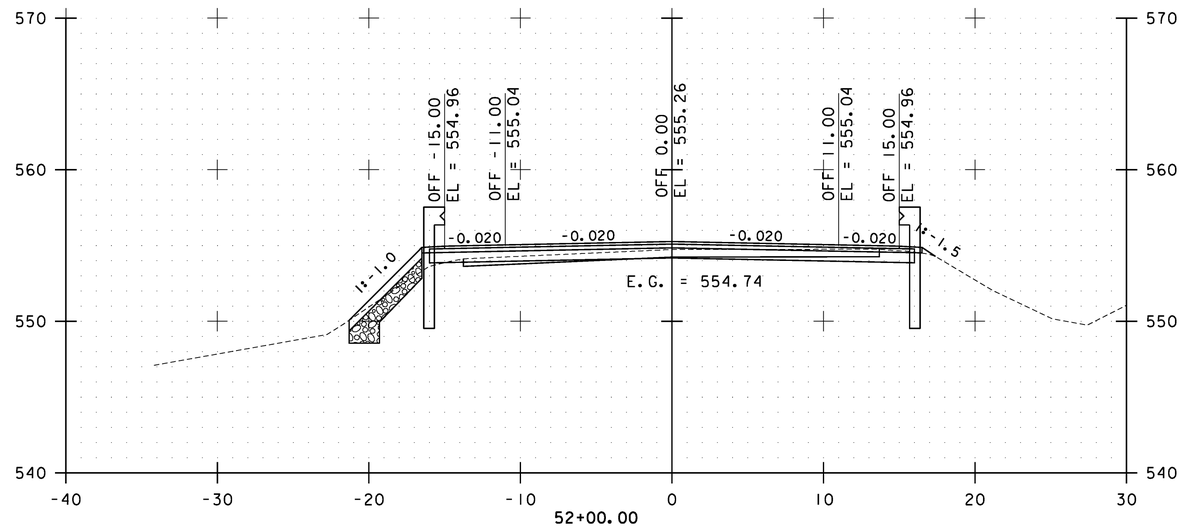
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs20.i

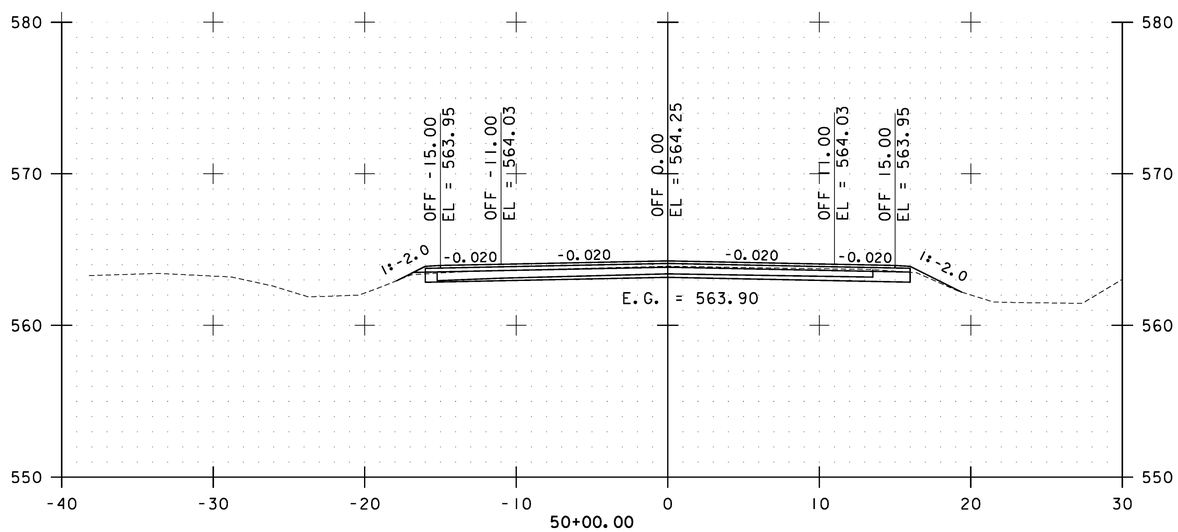
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 290 OF 387

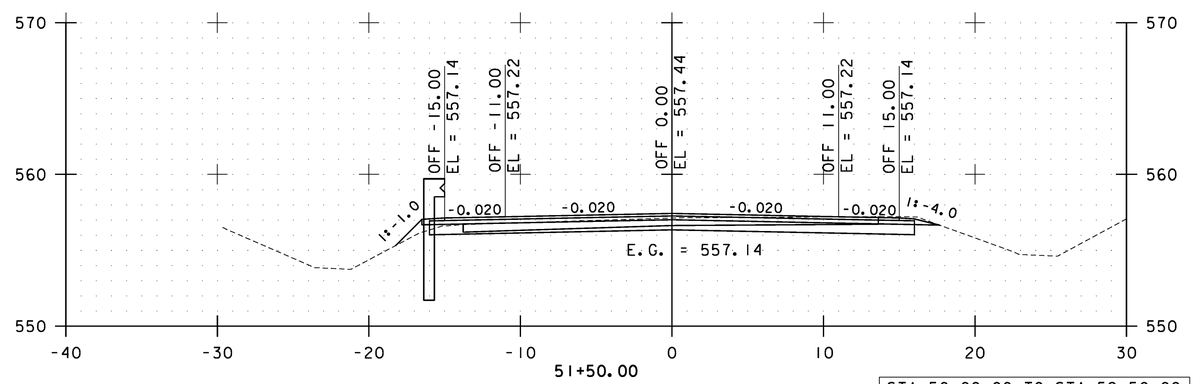












STA. 50+00.00 TO STA. 52+50.00

0 10 20
SCALE

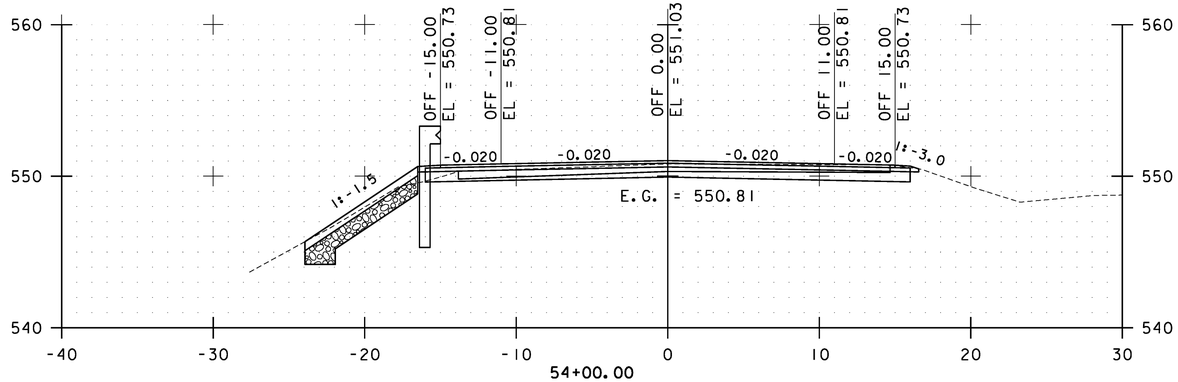
Stantec

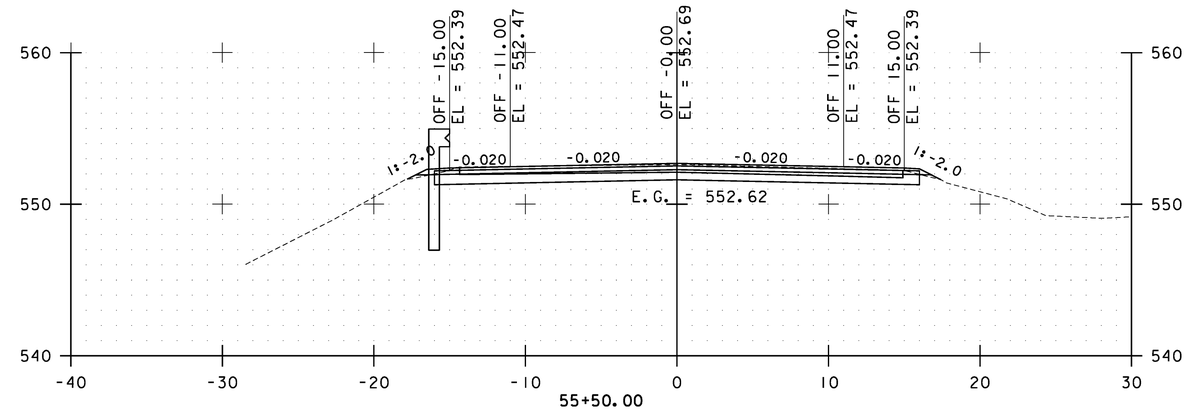
BAKERSFIELD CROSS SECTIONS SHEET #21

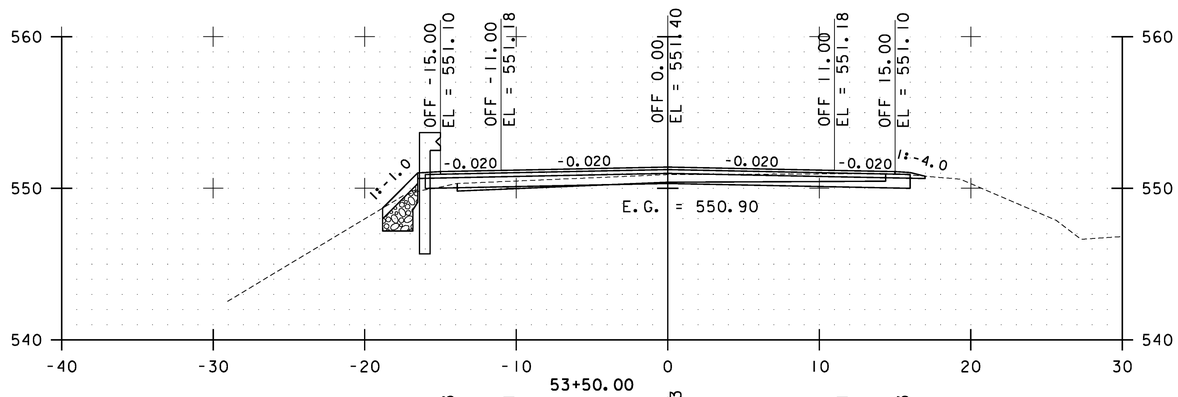
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

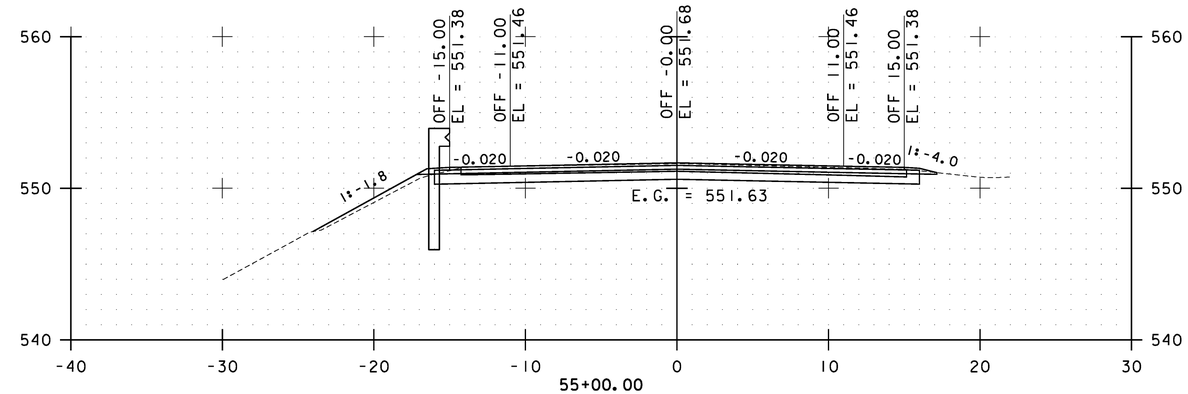
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs21.i

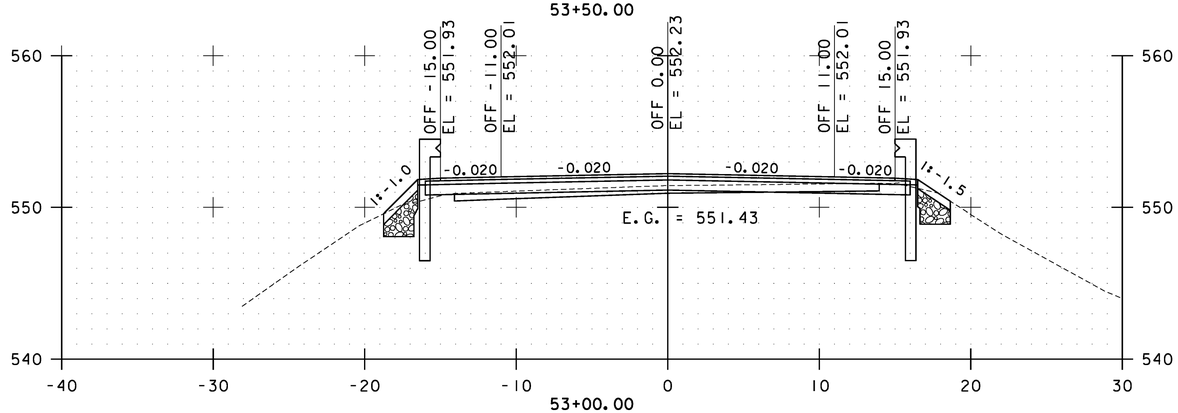
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 291 OF 387

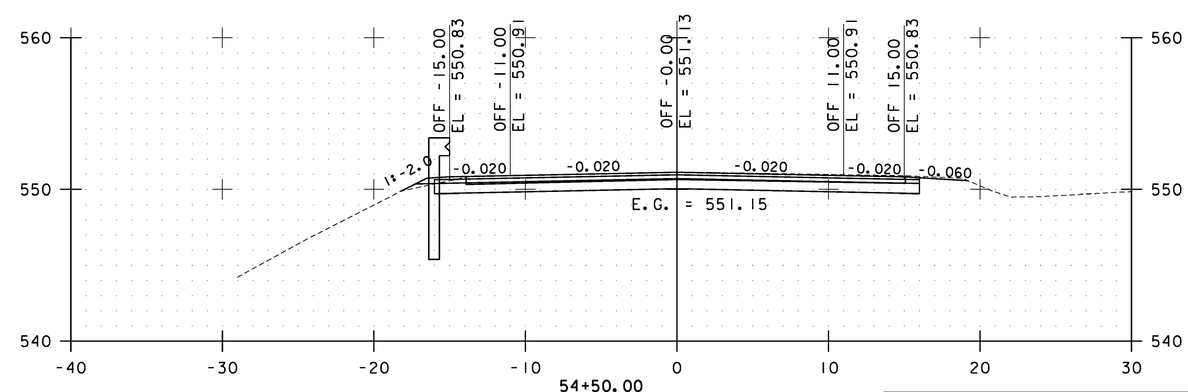












STA. 53+00.00 TO STA. 55+50.00

0 10 20
SCALE

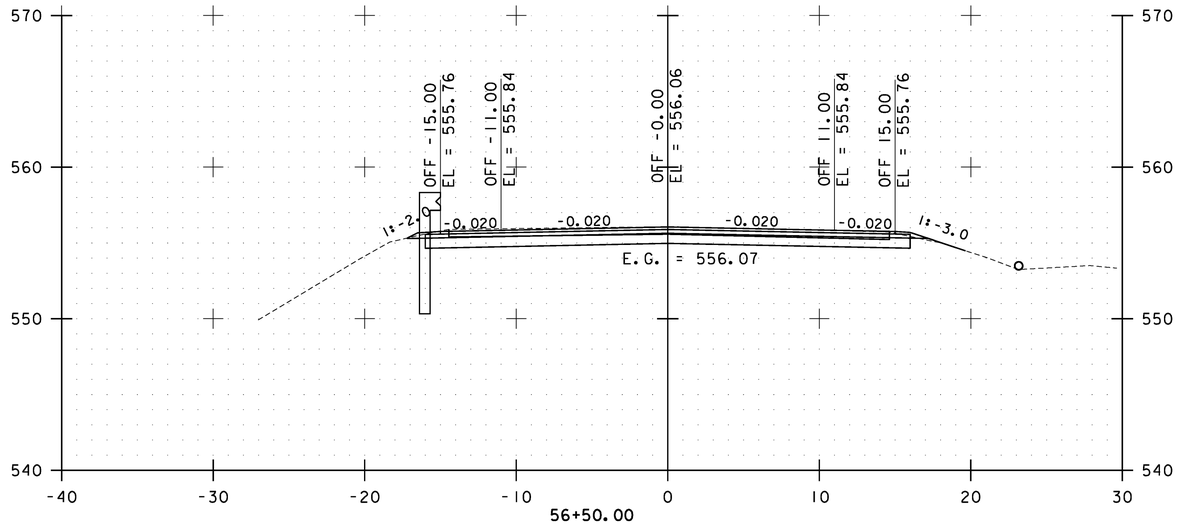
Stantec

BAKERSFIELD CROSS SECTIONS SHEET #22

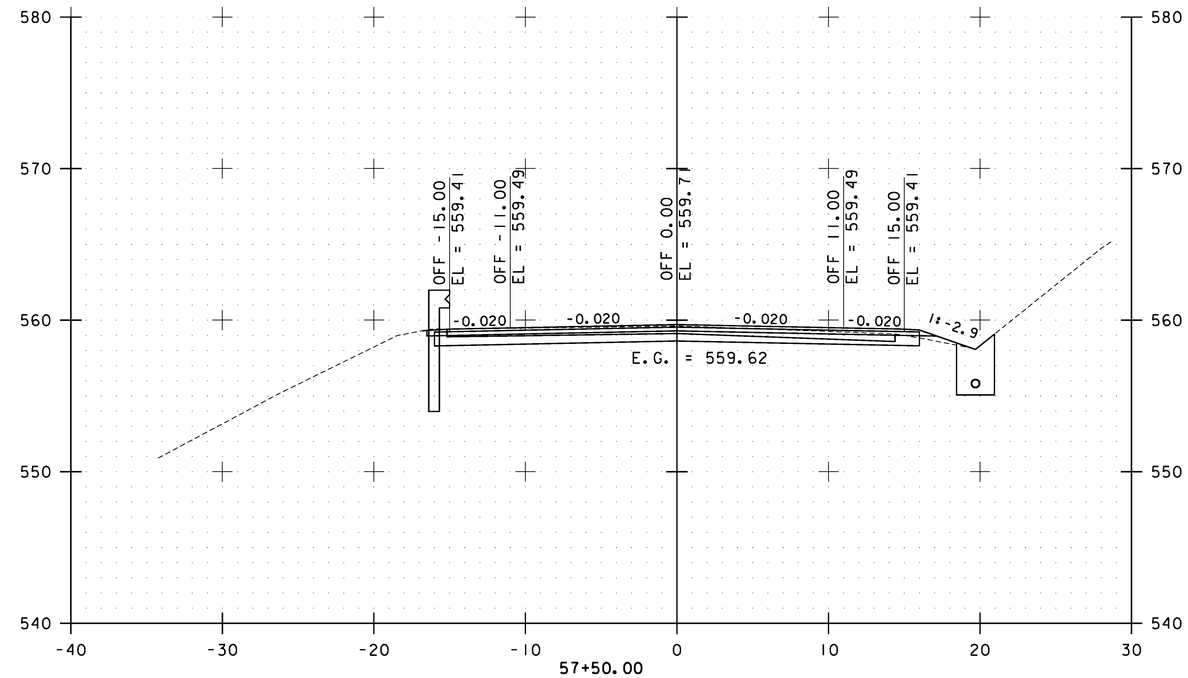
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs22.i

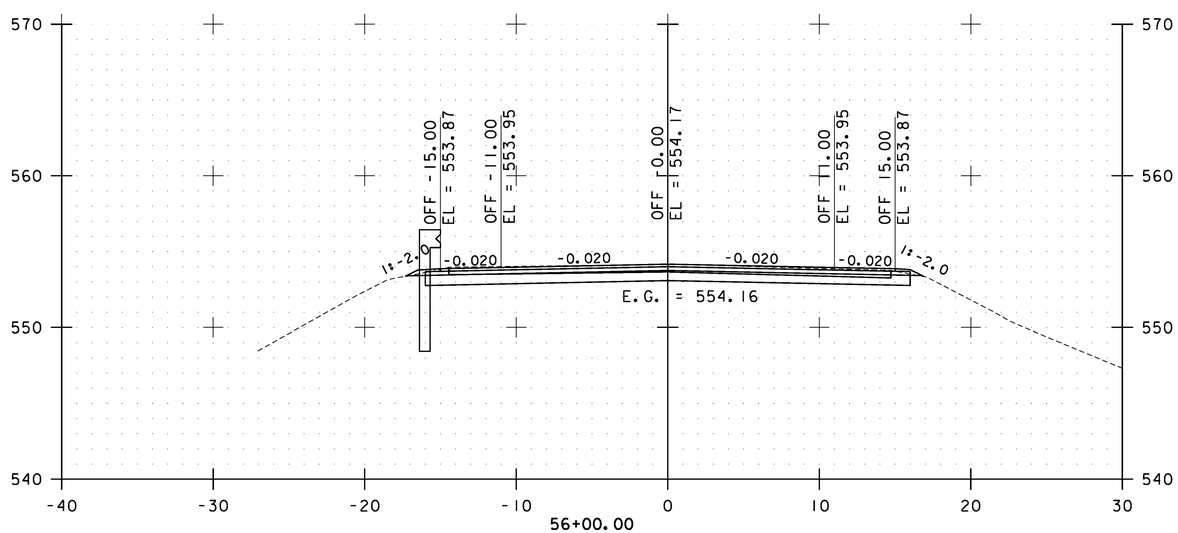
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 292 OF 387



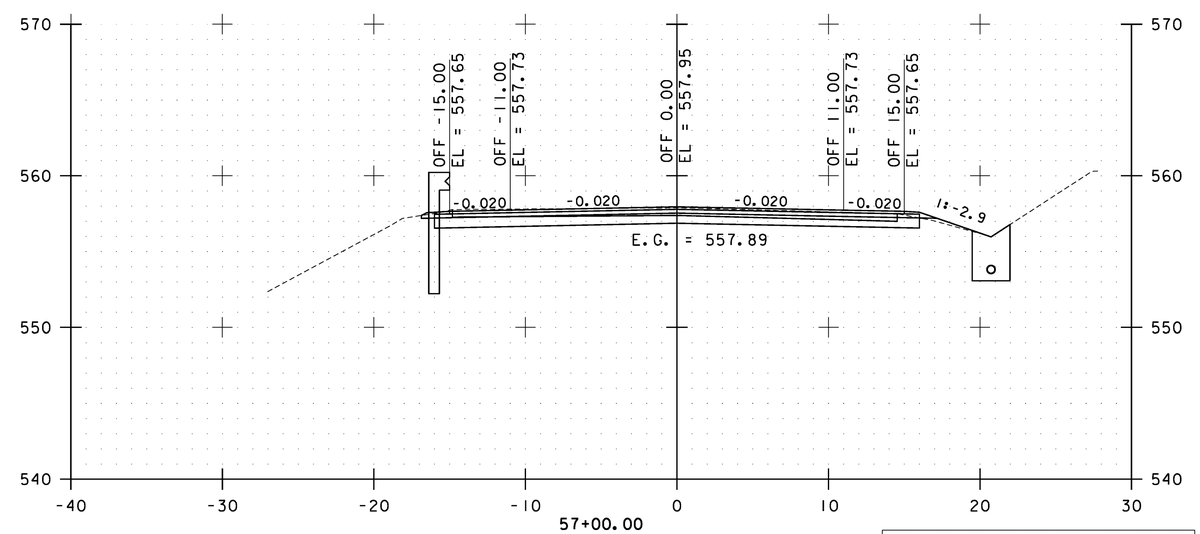
56+50.00



57+50.00



56+00.00



57+00.00

STA. 56+00.00 TO STA. 57+50.00

0 10 20
SCALE

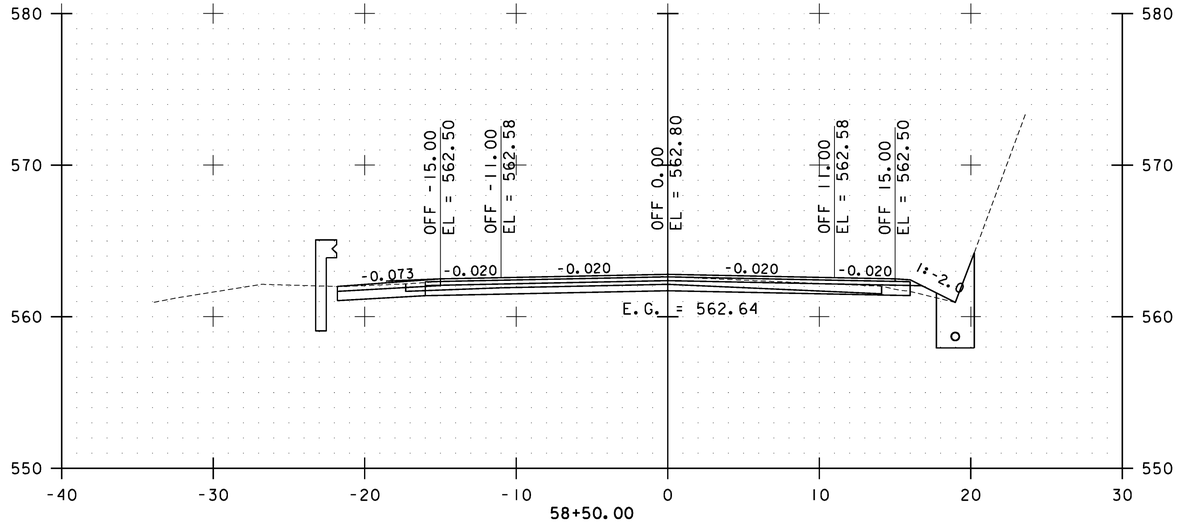
Stantec

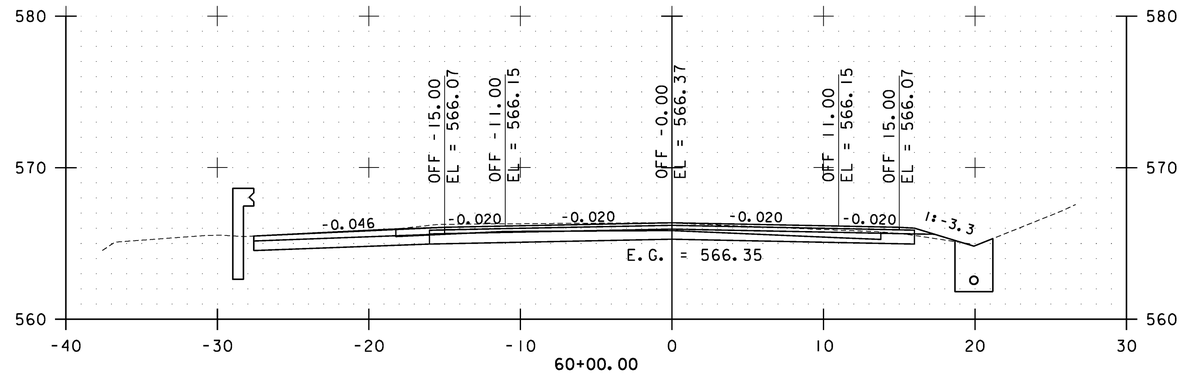
BAKERSFIELD CROSS SECTIONS SHEET #23

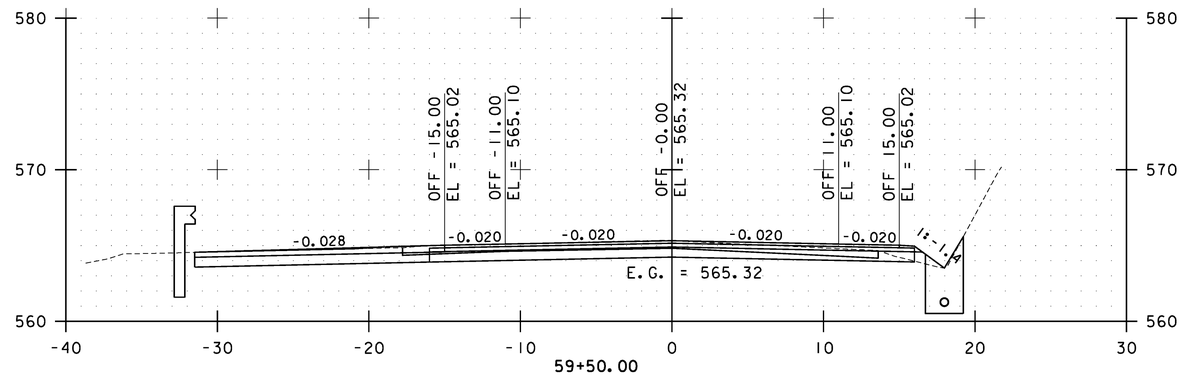
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

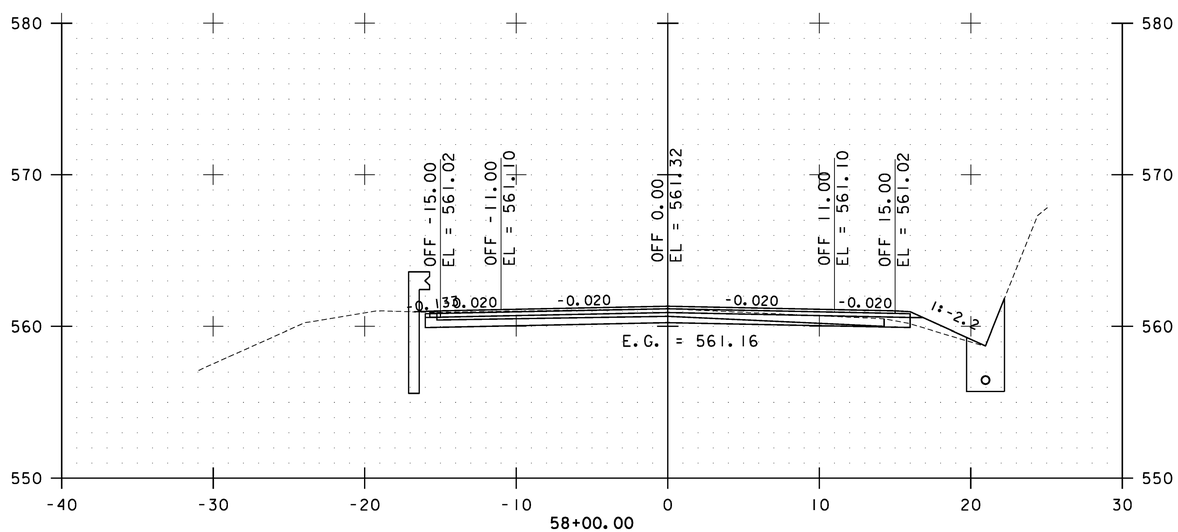
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs23.i

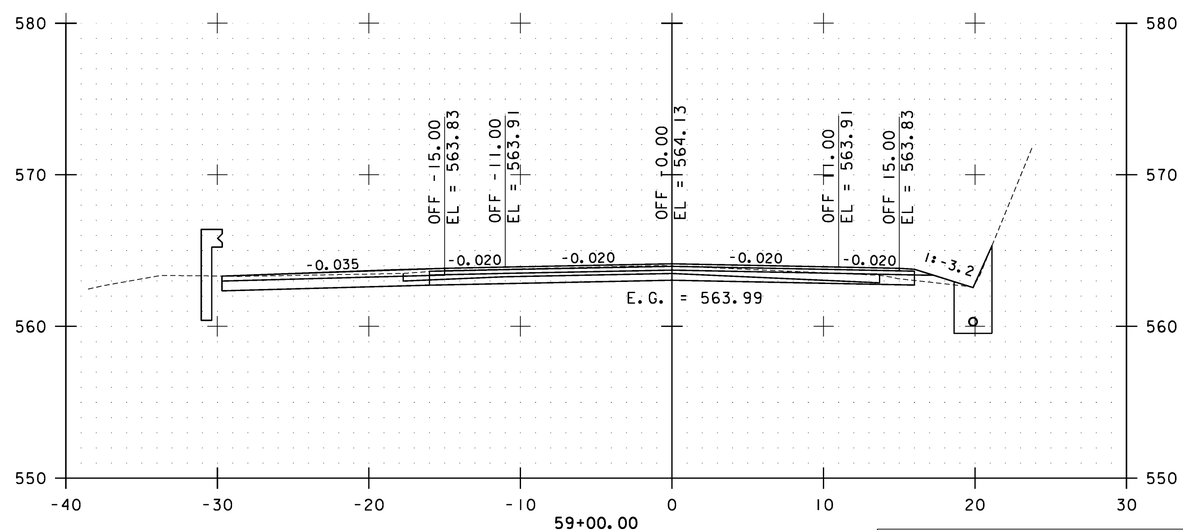
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 293 OF 387











STA. 58+00.00 TO STA. 60+00.00

0 10 20
SCALE

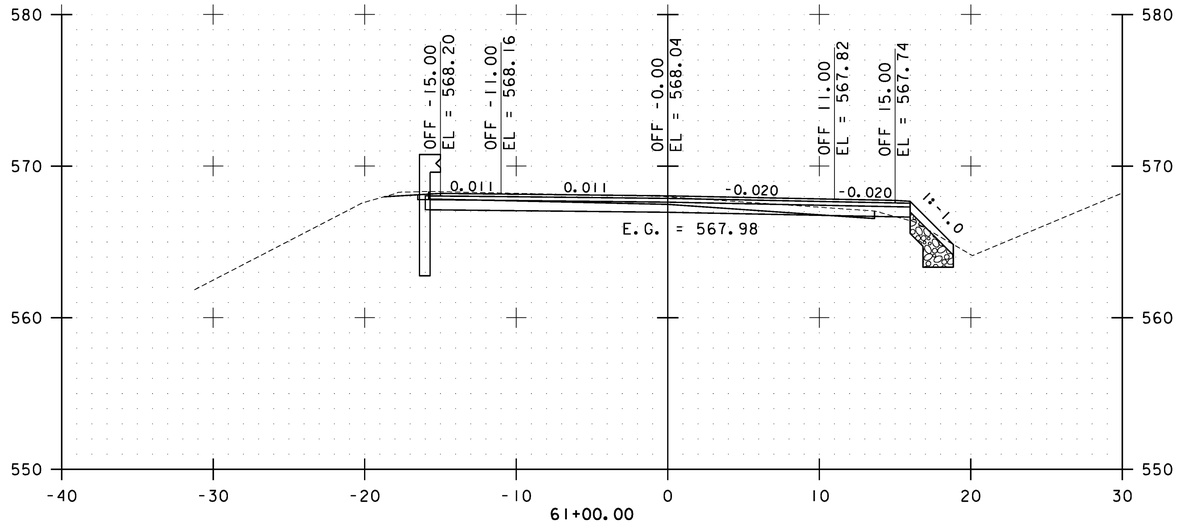
Stantec

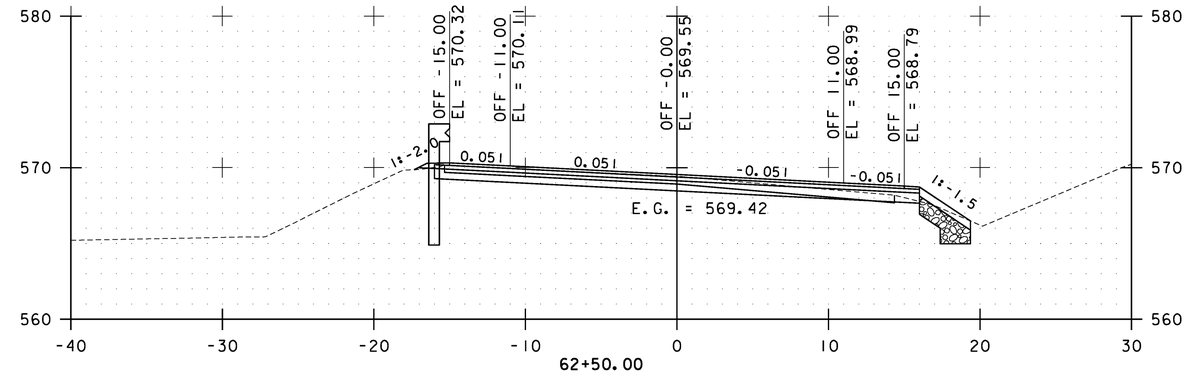
BAKERSFIELD CROSS SECTIONS SHEET #24

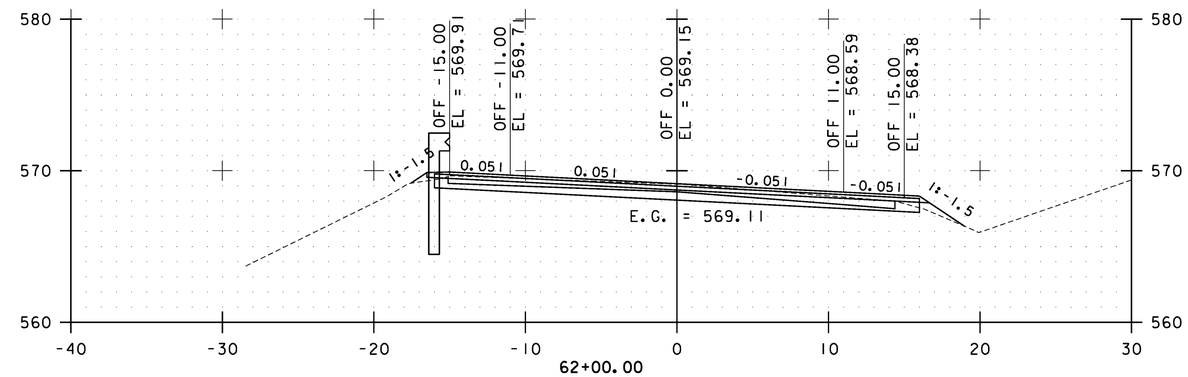
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

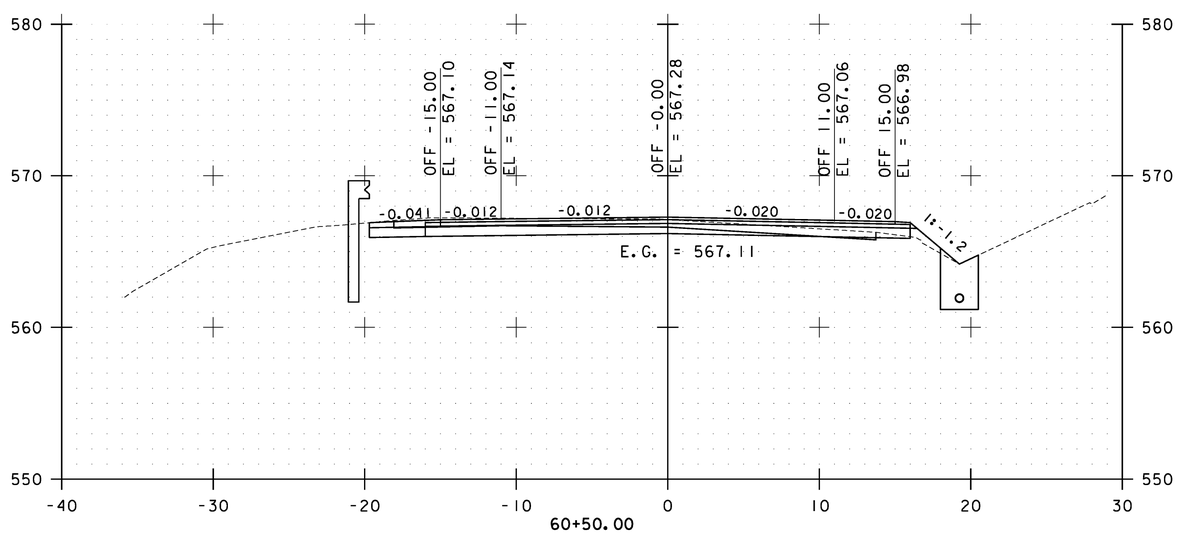
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs24.i

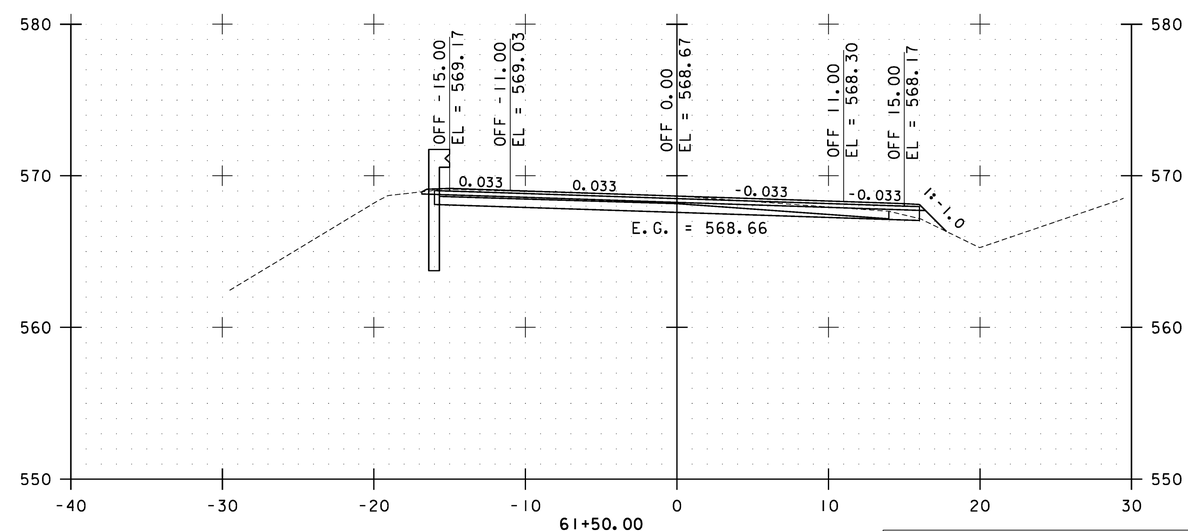
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 294 OF 387











STA. 60+50.00 TO STA. 62+50.00

0 10 20
SCALE

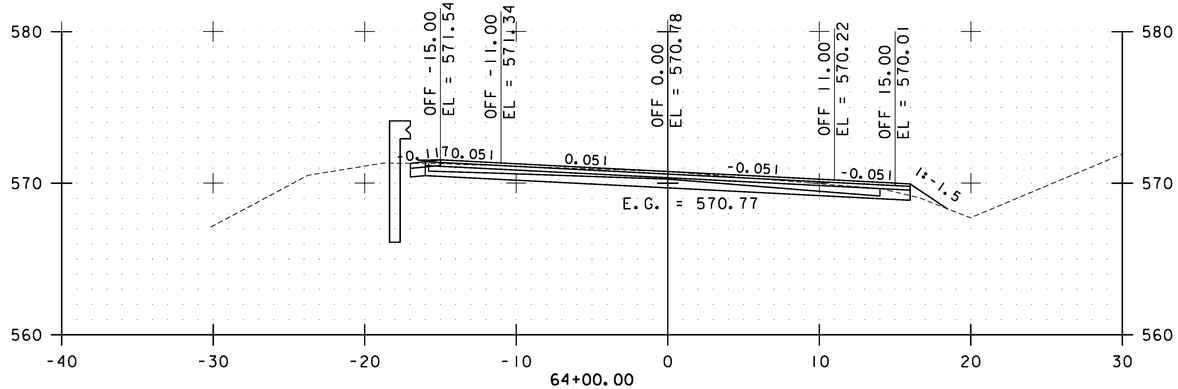
Stantec

BAKERSFIELD CROSS SECTIONS SHEET #25

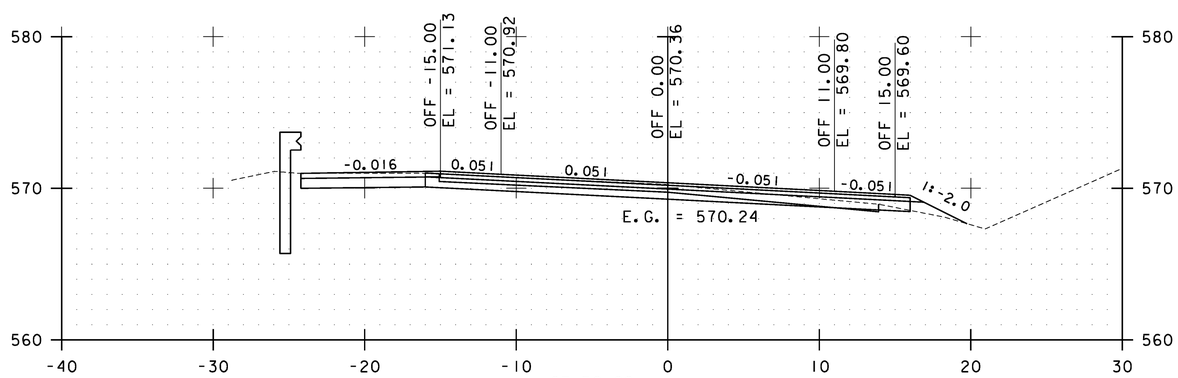
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs25.i

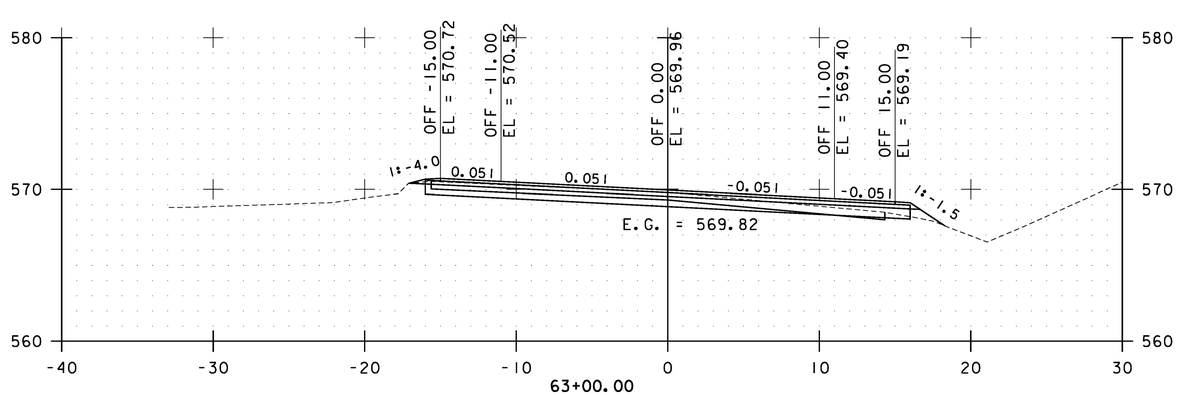
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 295 OF 387



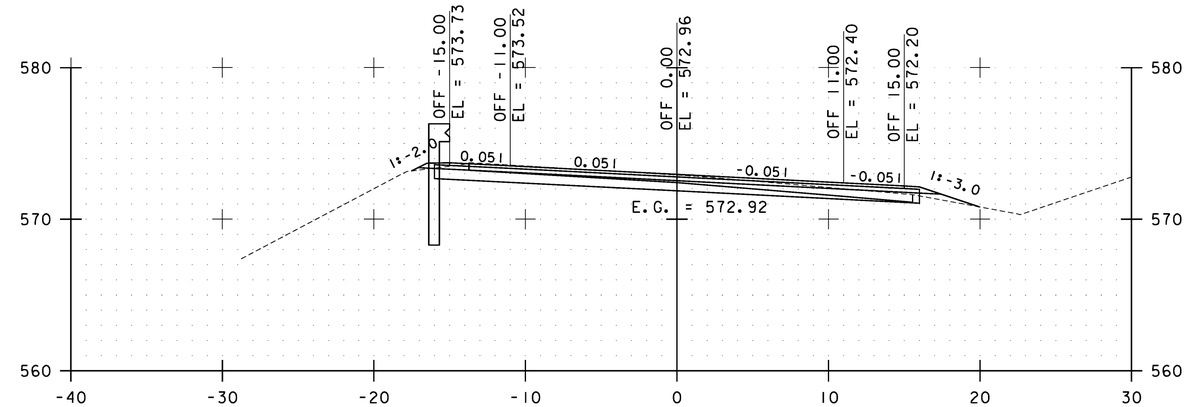
64+00.00



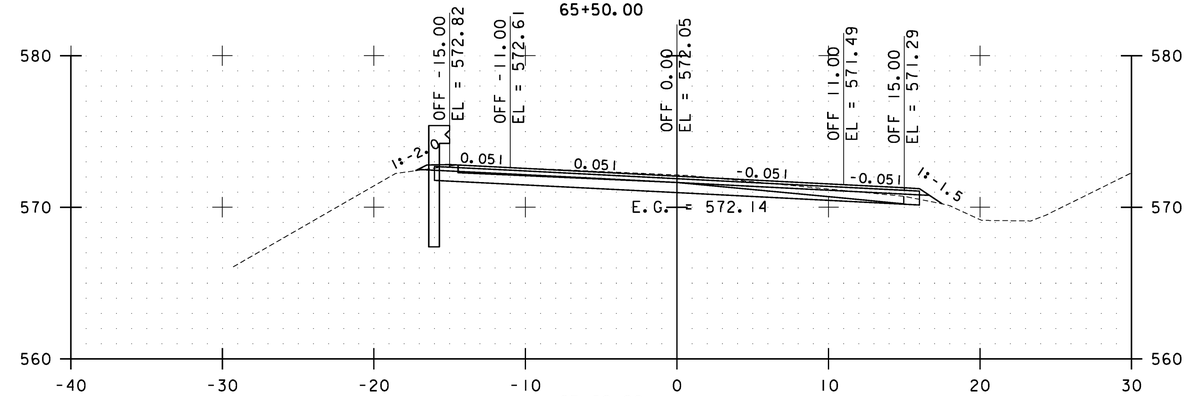
63+50.00



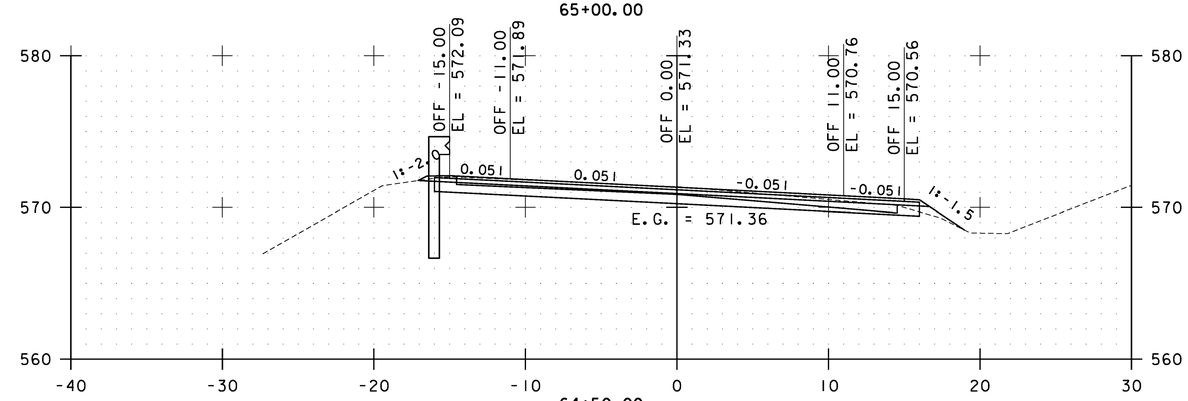
63+00.00



65+50.00



65+00.00



64+50.00

STA. 63+00.00 TO STA. 65+50.00

0 10 20
SCALE

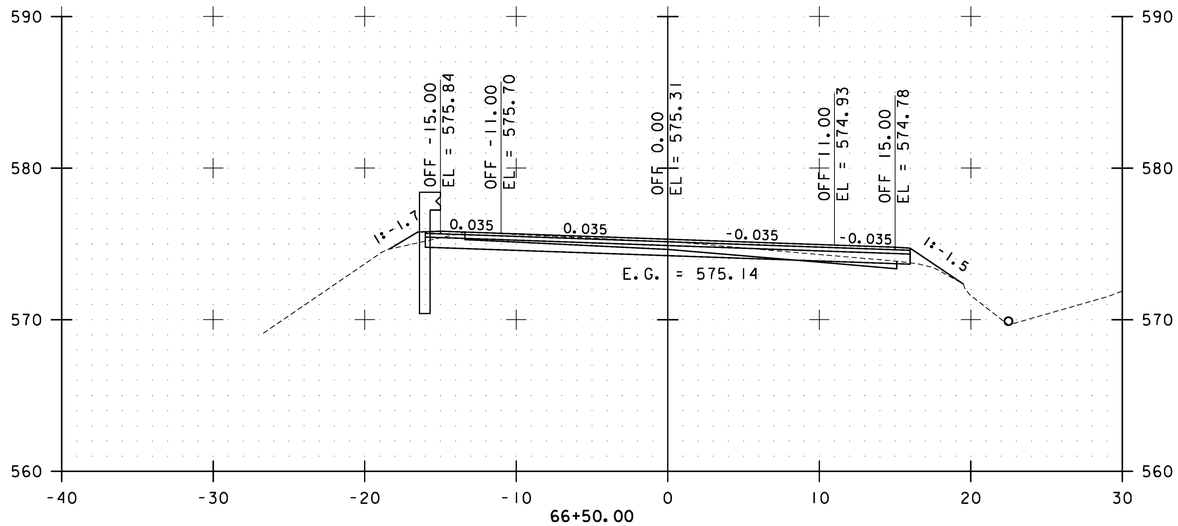
Stantec

BAKERSFIELD CROSS SECTIONS SHEET #26

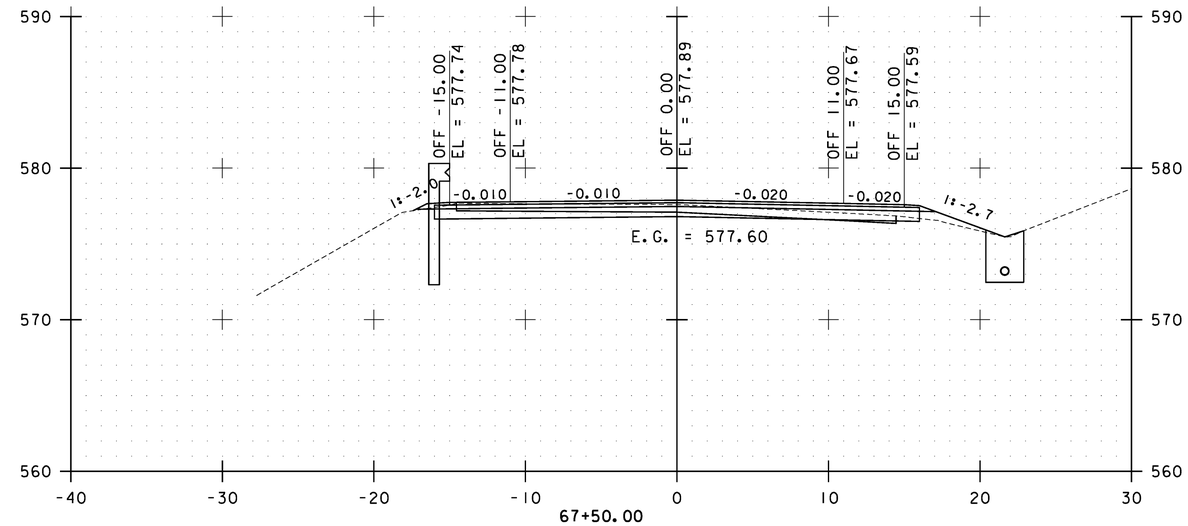
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs26.i

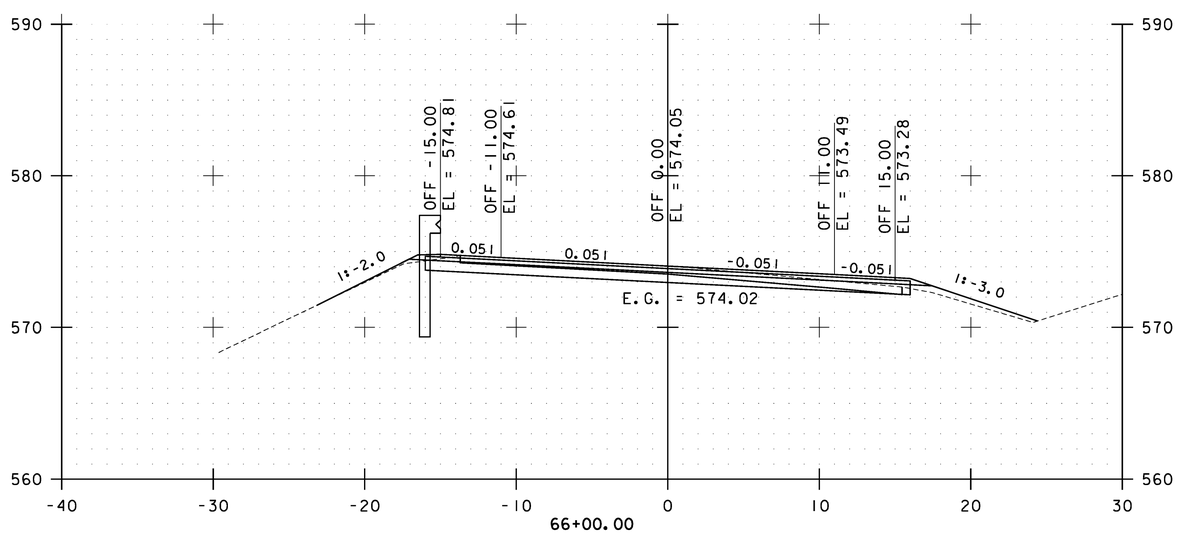
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 296 OF 387



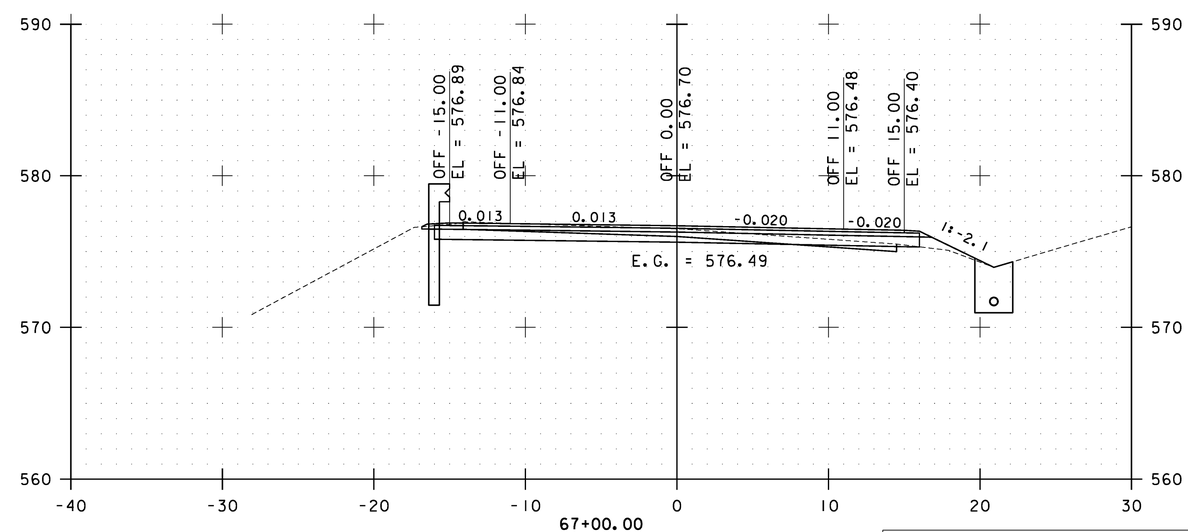
66+50.00



67+50.00



66+00.00



67+00.00

STA. 66+00.00 TO STA. 67+50.00

0 10 20
SCALE

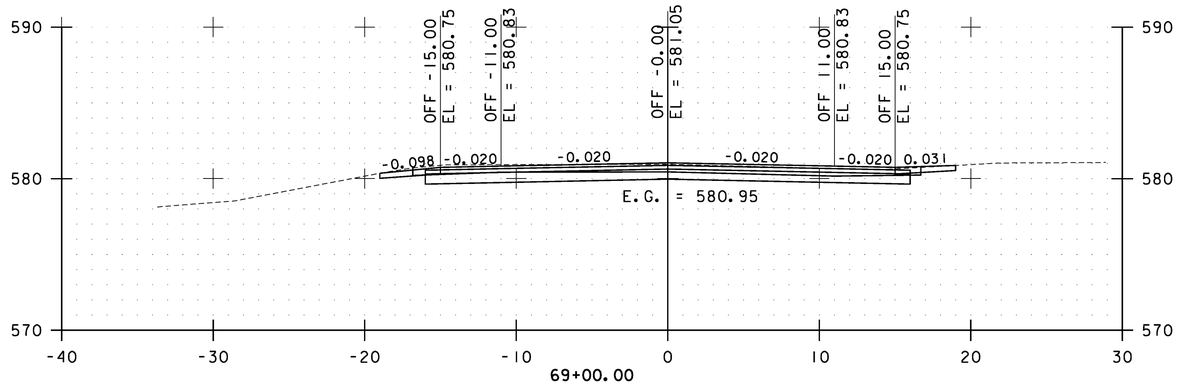
Stantec

BAKERSFIELD CROSS SECTIONS SHEET #27

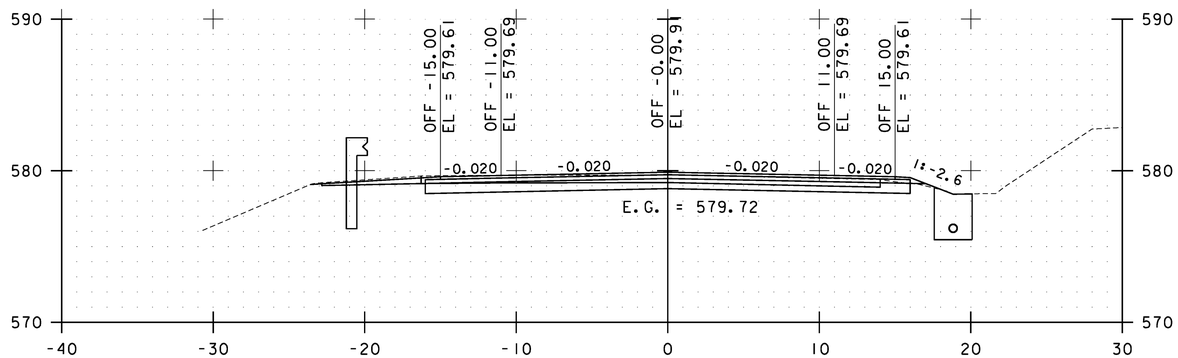
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs27.i

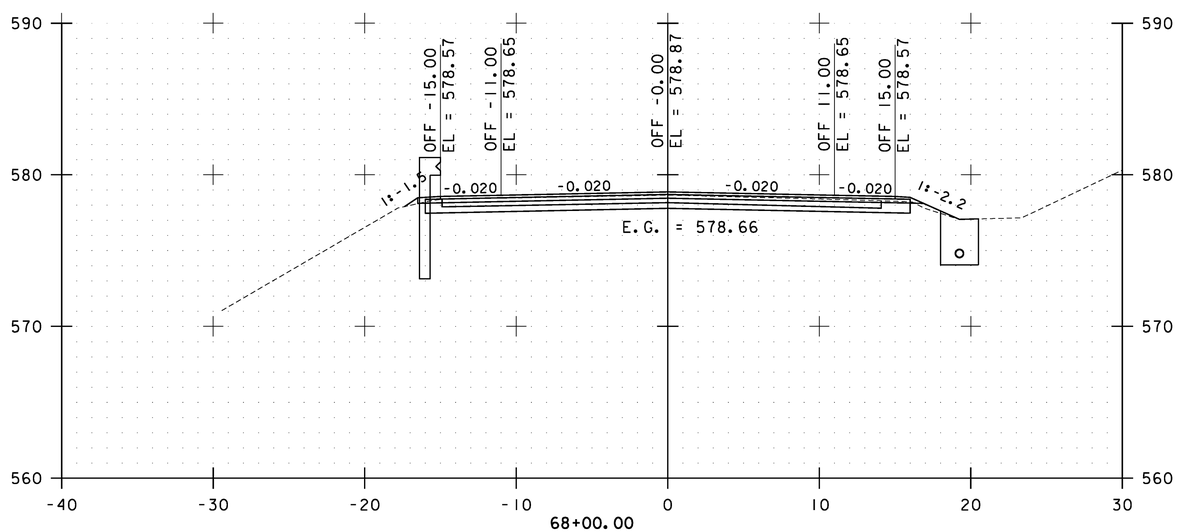
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 297 OF 387



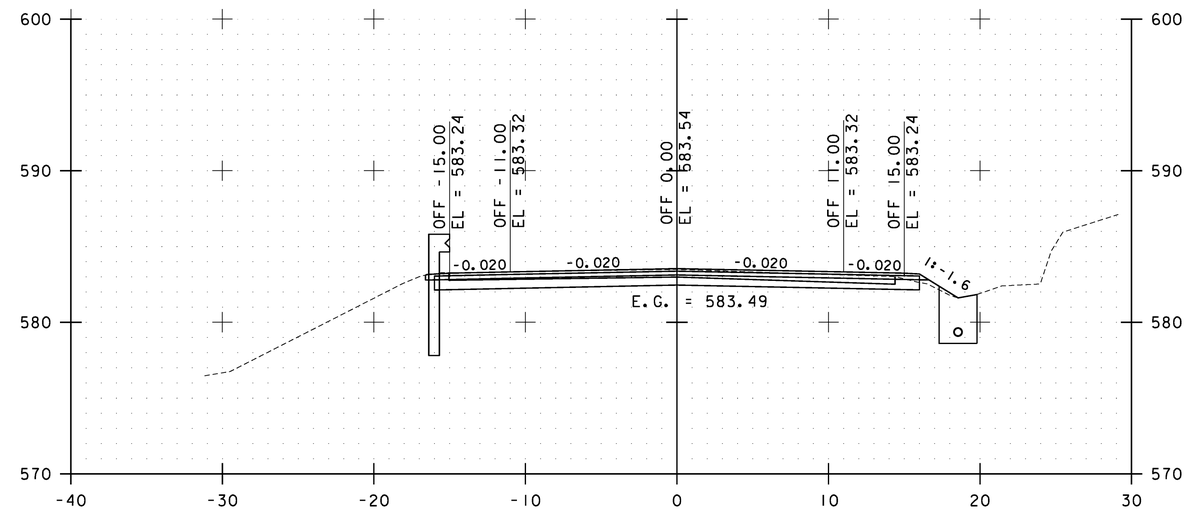
69+00.00



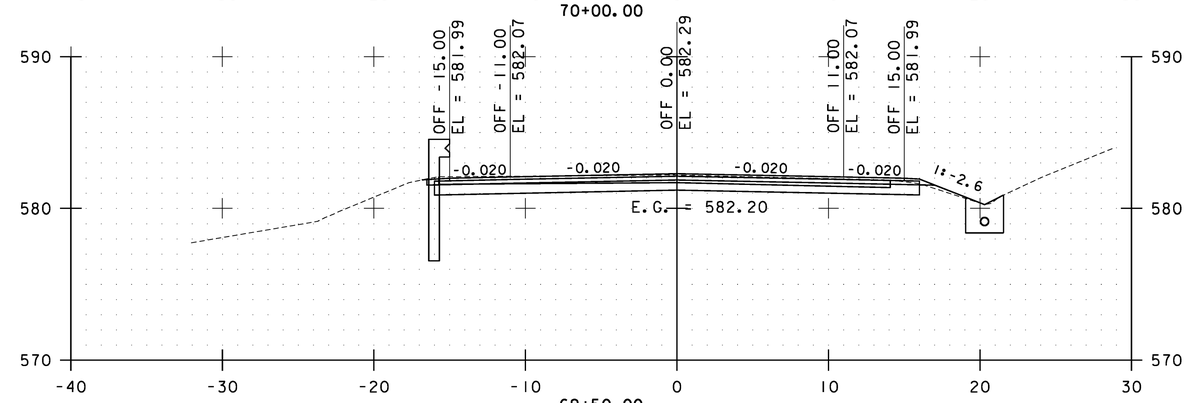
68+50.00



68+00.00



70+00.00



69+50.00

STA. 68+00.00 TO STA. 70+00.00

0 10 20
SCALE

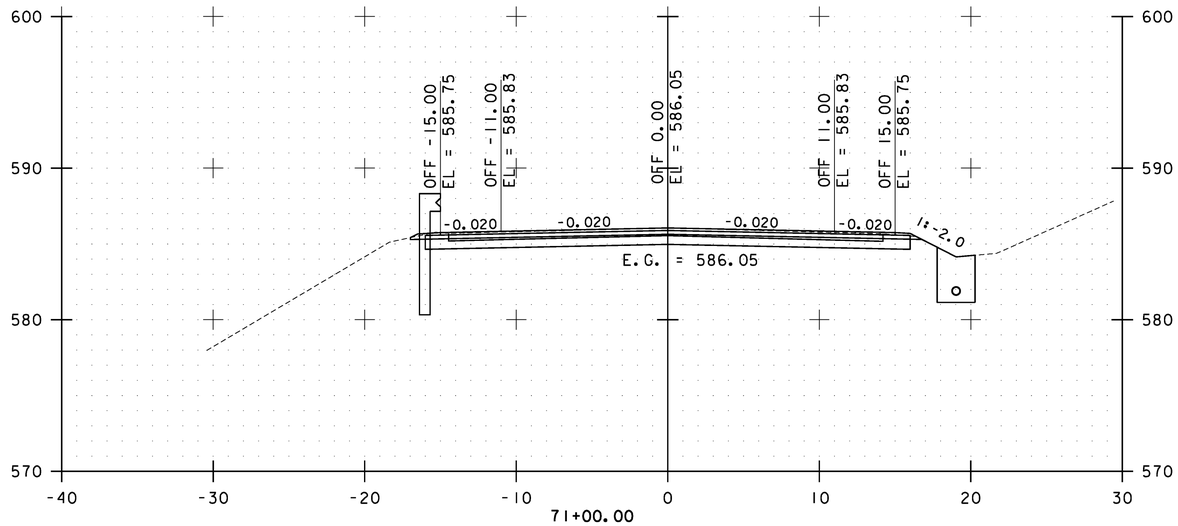
Stantec

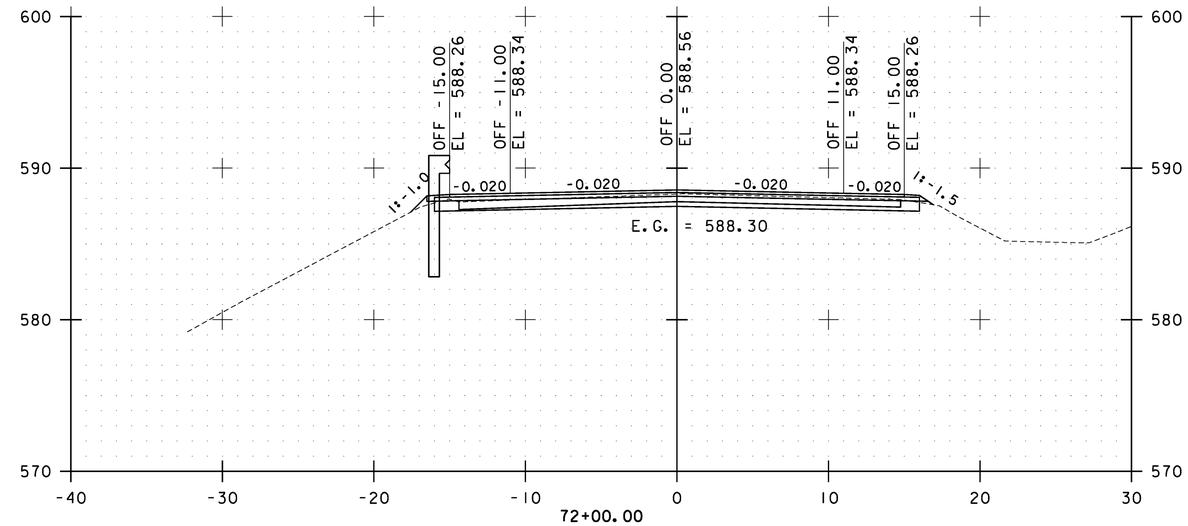
BAKERSFIELD CROSS SECTIONS SHEET #28

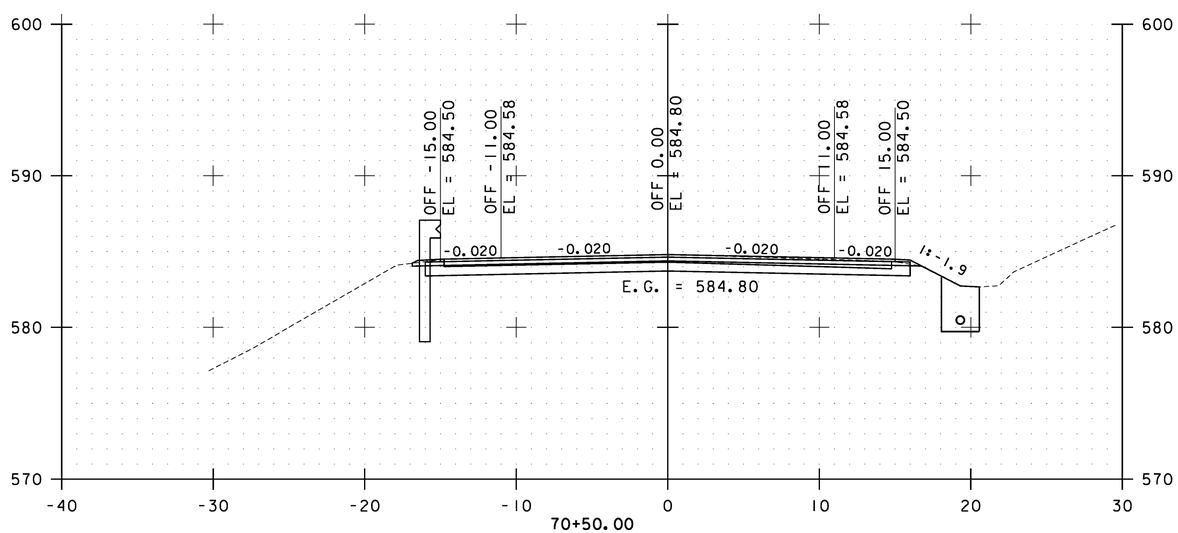
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

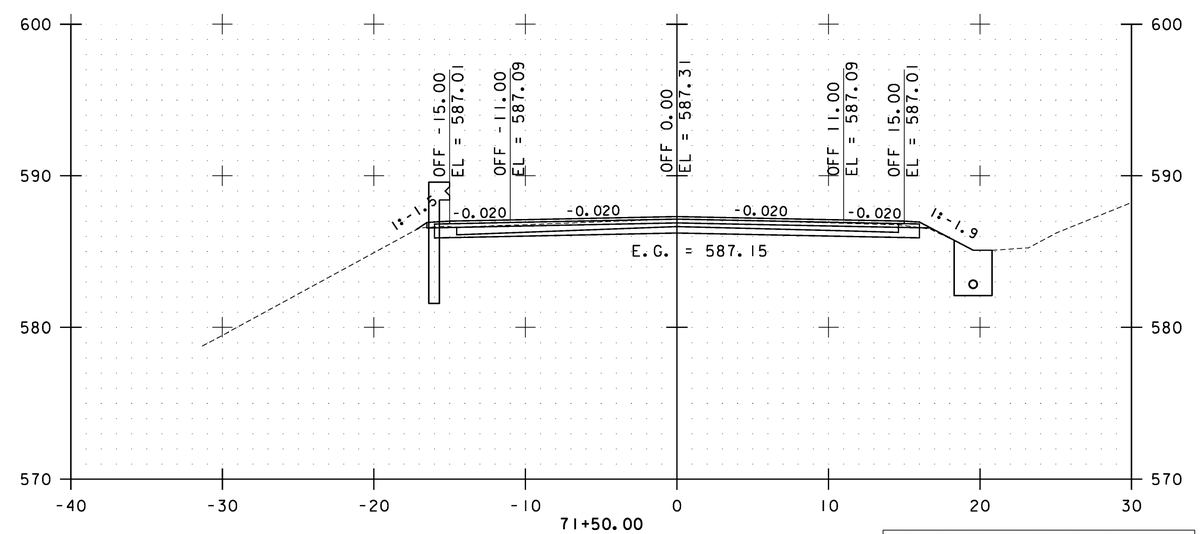
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs28.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 298 OF 387









STA. 70+50.00 TO STA. 72+00.00

0 10 20
SCALE

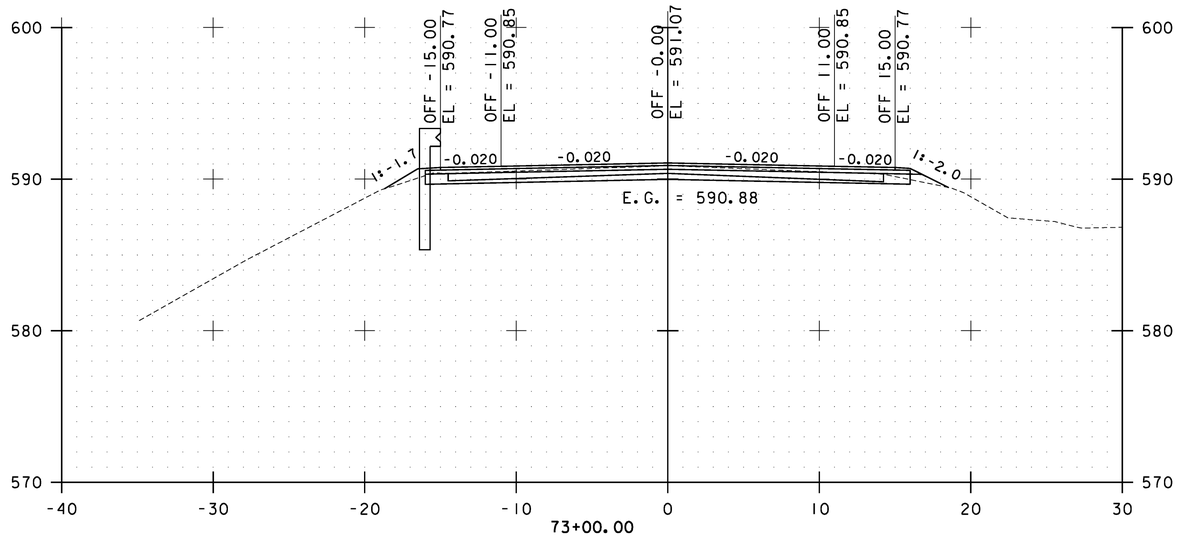
Stantec

BAKERSFIELD CROSS SECTIONS SHEET #29

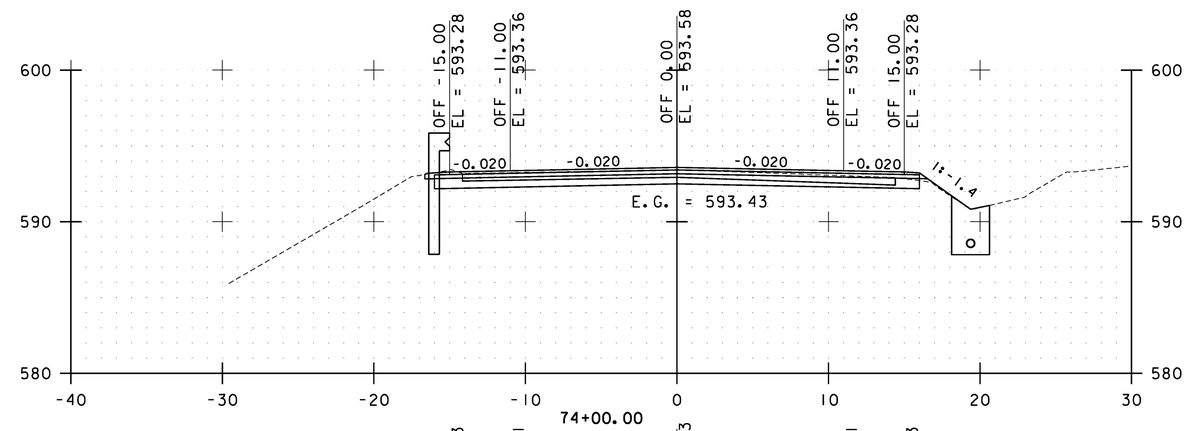
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs29.i

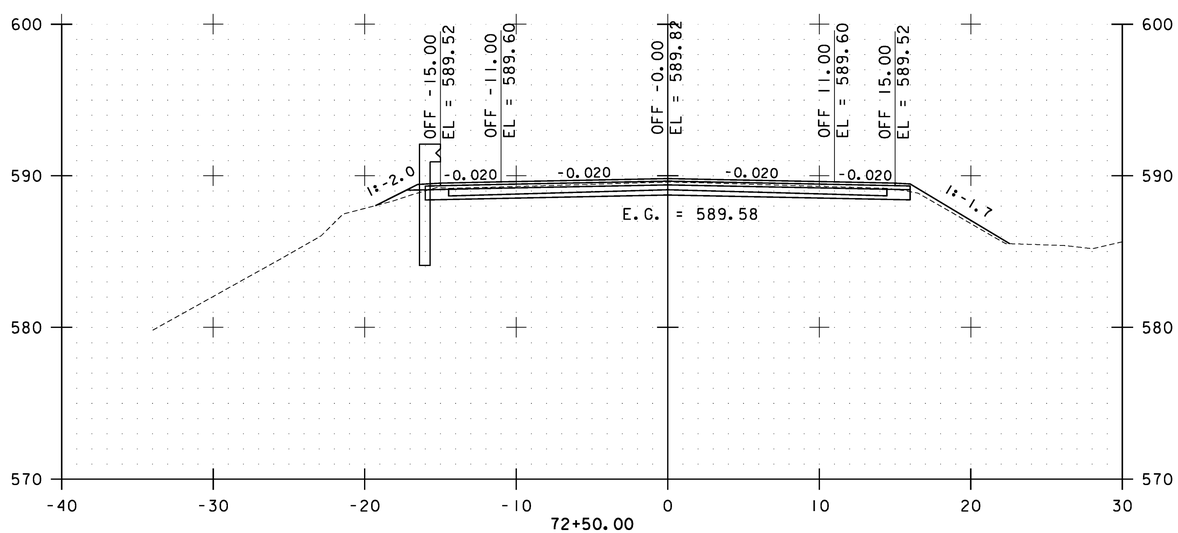
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 299 OF 387



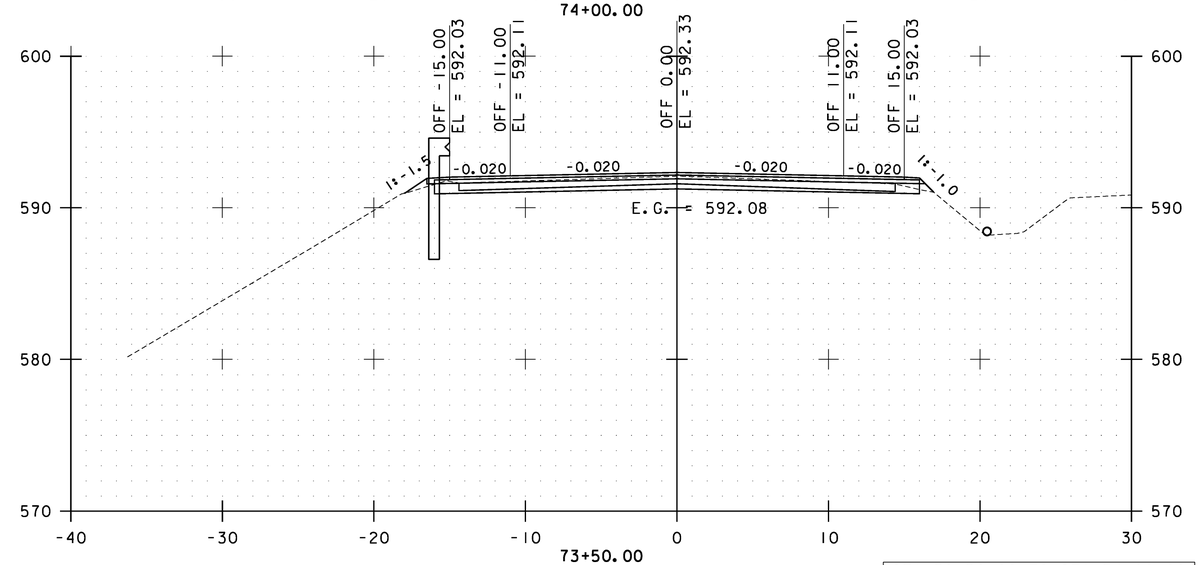
73+00.00



74+00.00



72+50.00



73+50.00

STA. 72+50.00 TO STA. 74+00.00

0 10 20
SCALE

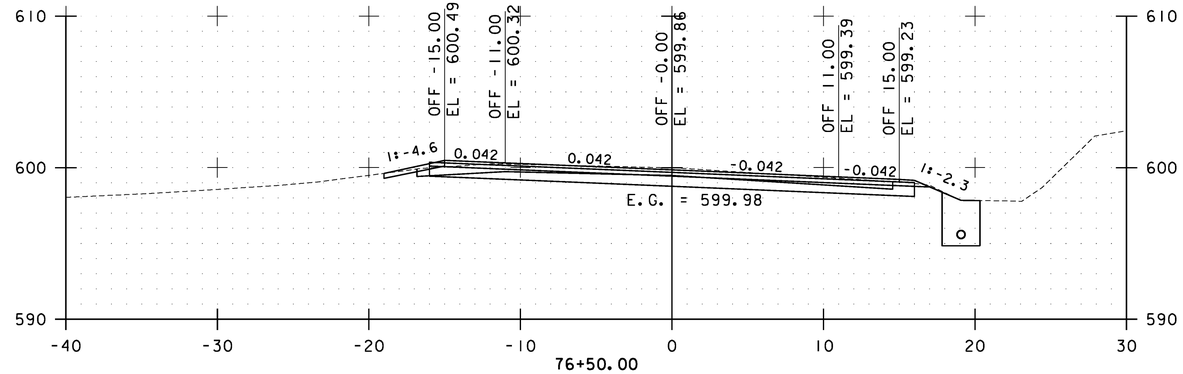
Stantec

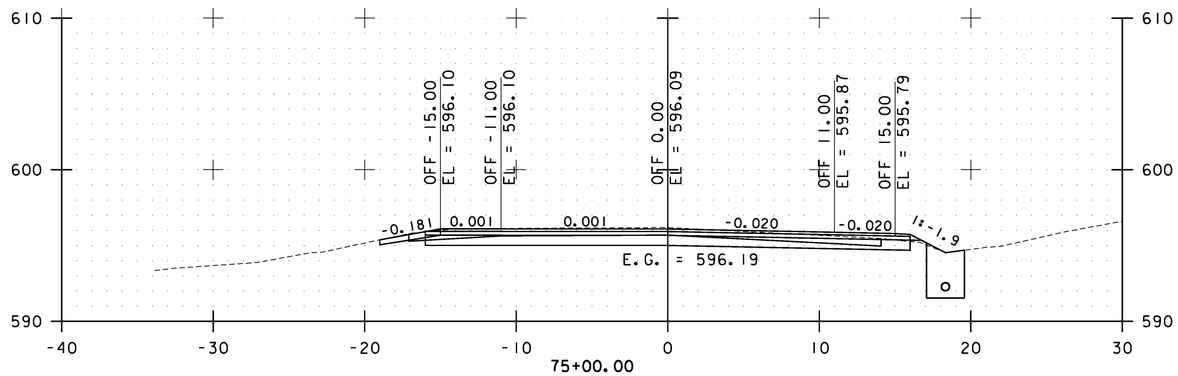
BAKERSFIELD CROSS SECTIONS SHEET #30

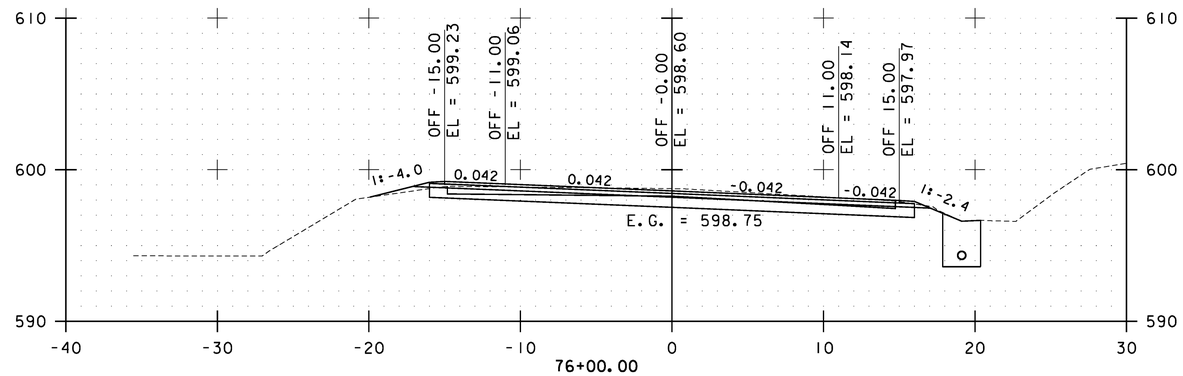
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

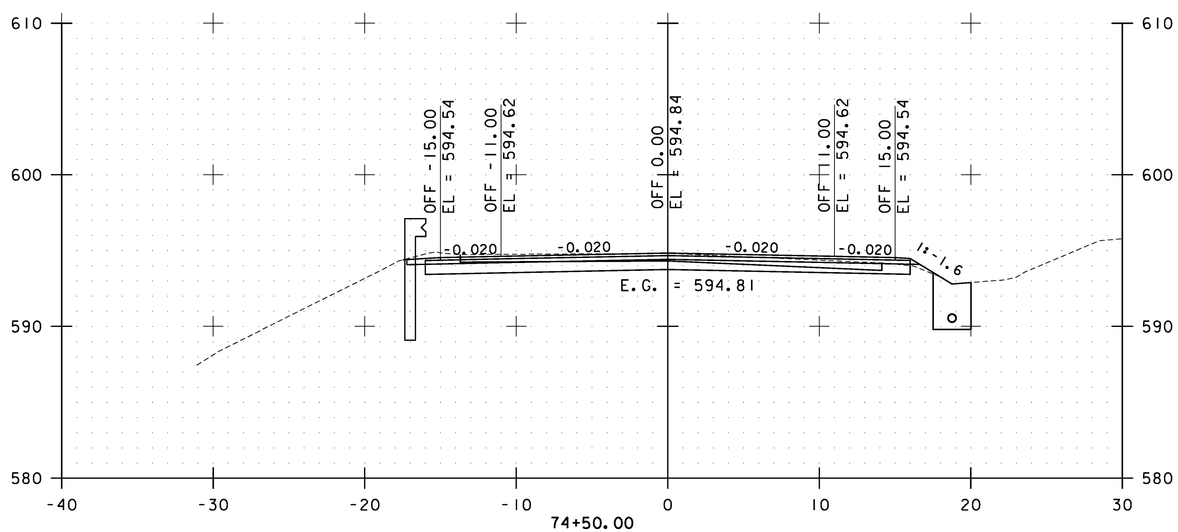
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs30.i

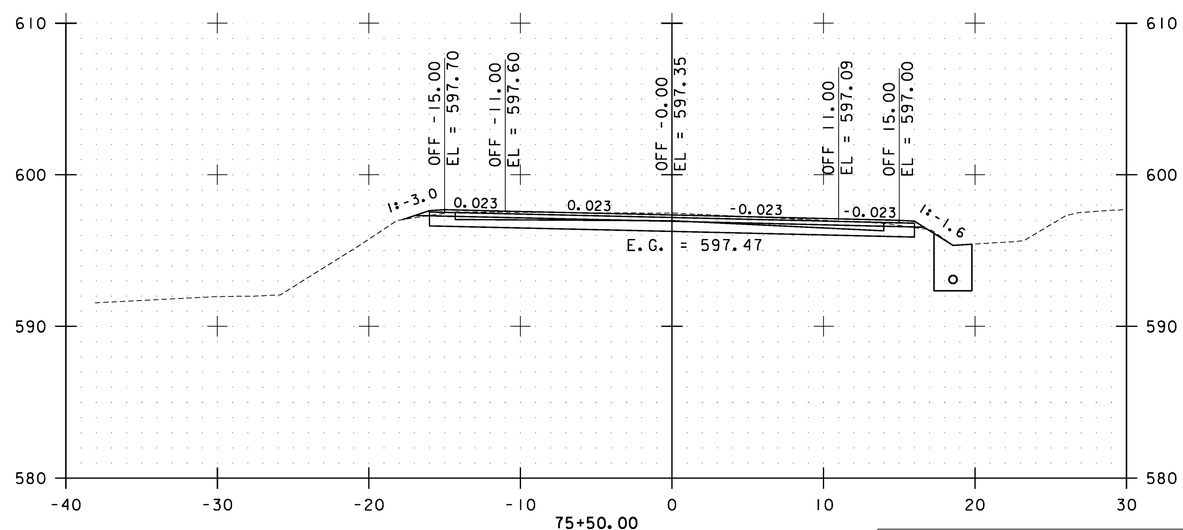
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 300 OF 387











STA. 74+50.00 TO STA. 76+50.00

0 10 20
SCALE

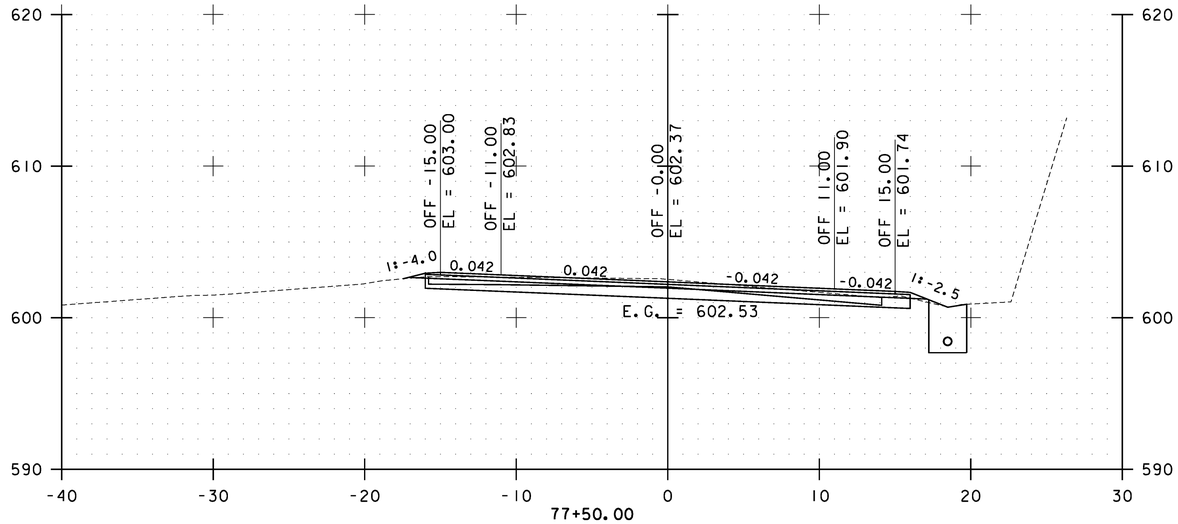
Stantec

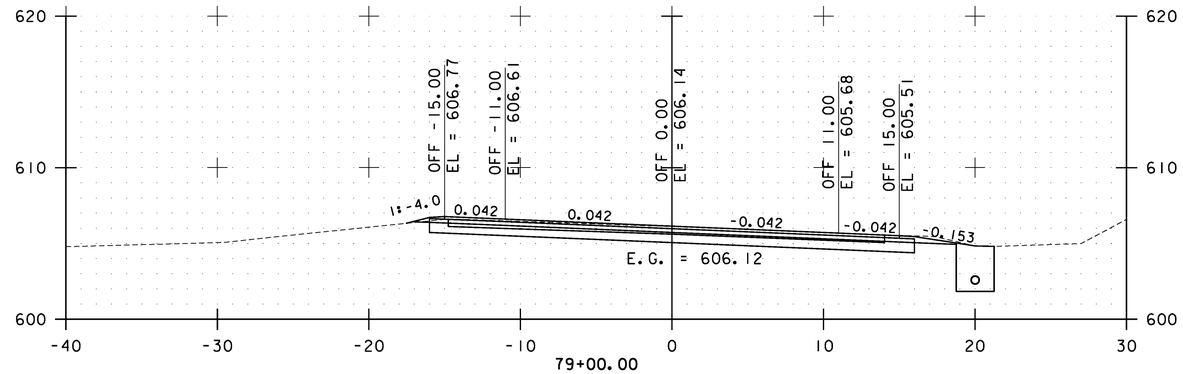
BAKERSFIELD CROSS SECTIONS SHEET #31

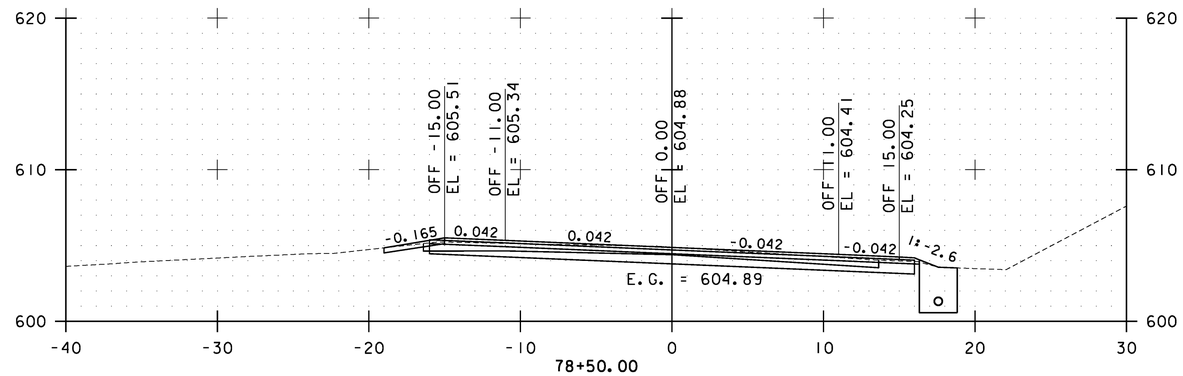
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

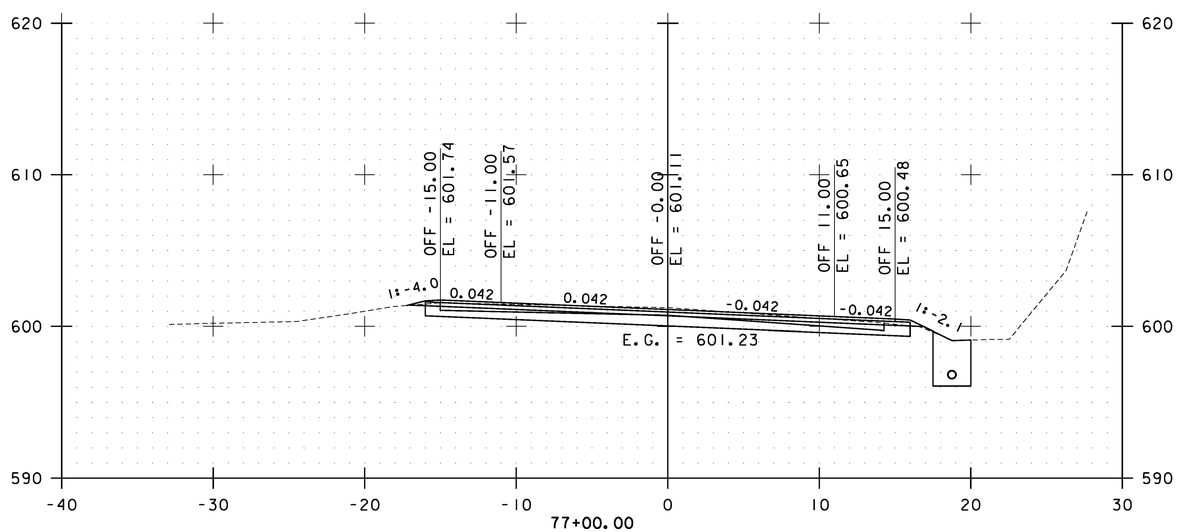
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs31.i

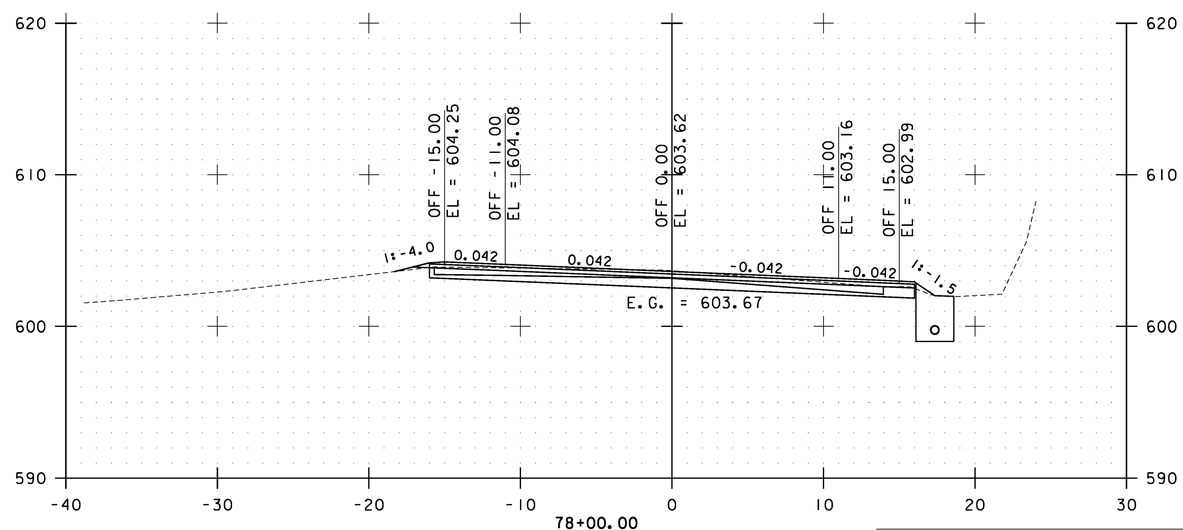
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 301 OF 387











STA. 77+00.00 TO STA. 79+00.00

0 10 20
SCALE

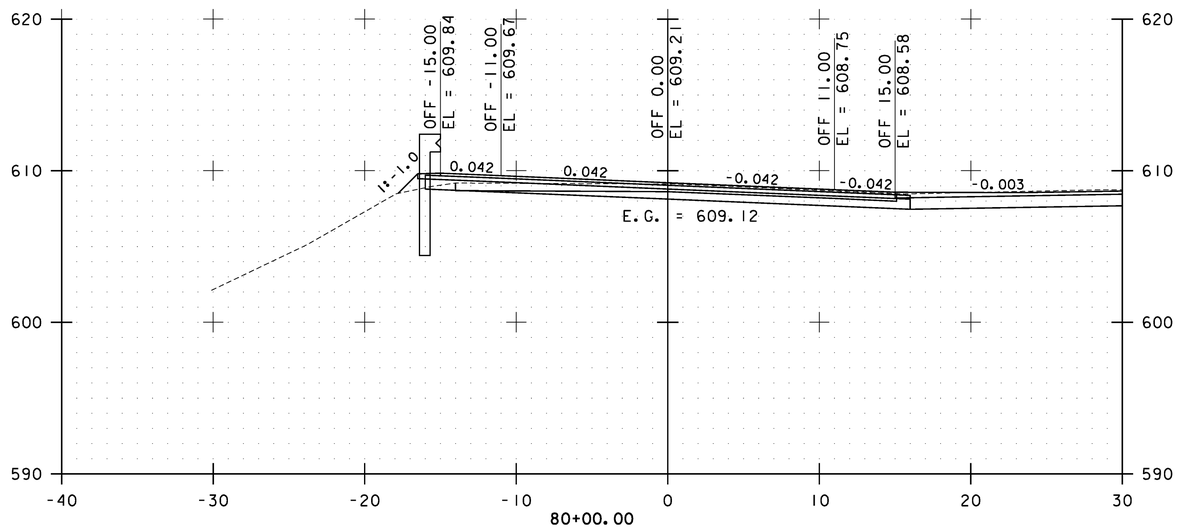
Stantec

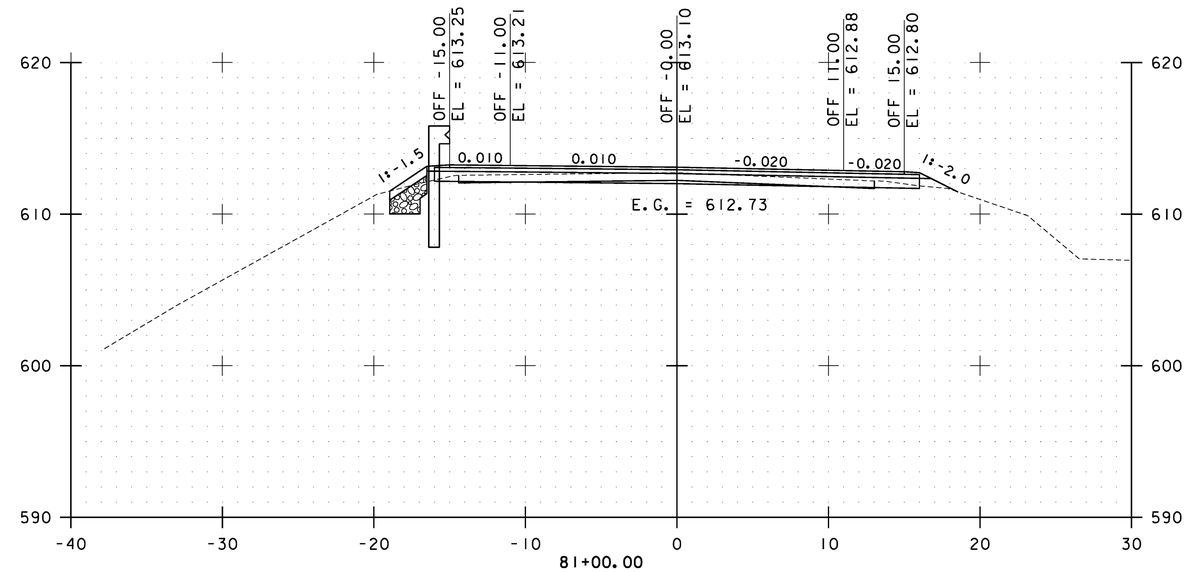
BAKERSFIELD CROSS SECTIONS SHEET #32

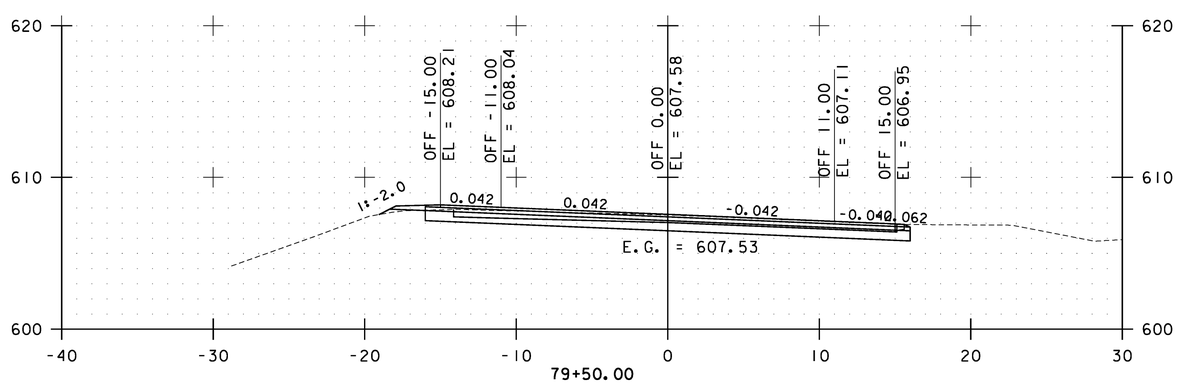
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

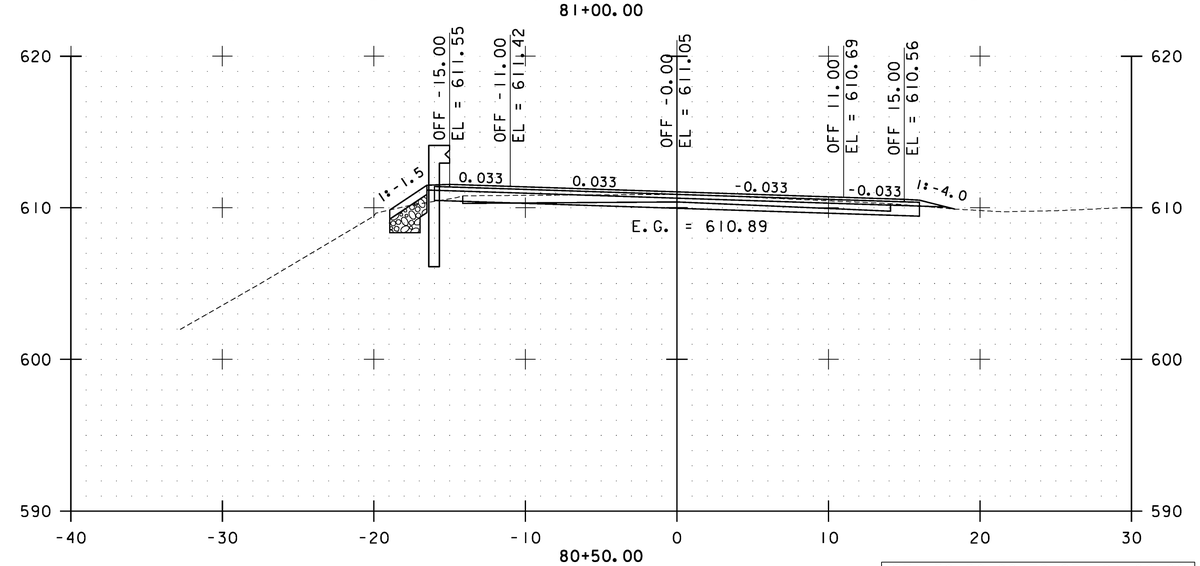
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs32.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 302 OF 387









STA. 79+50.00 TO STA. 81+00.00

0 10 20
SCALE

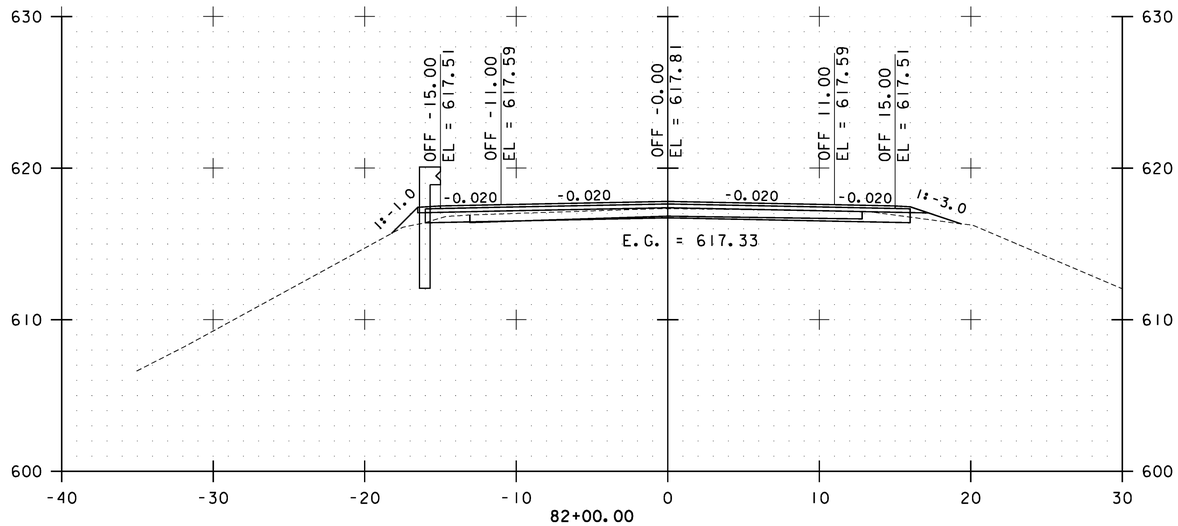
Stantec

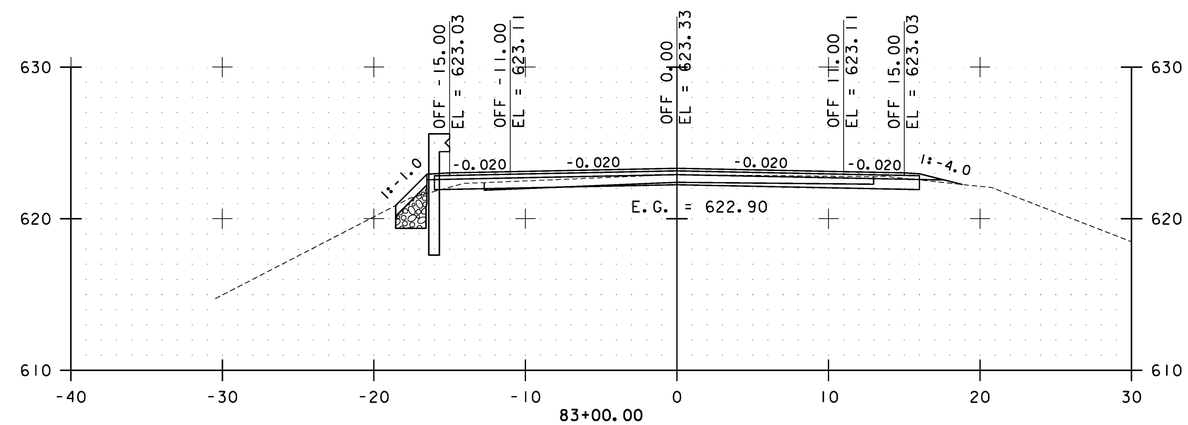
BAKERSFIELD CROSS SECTIONS SHEET #33

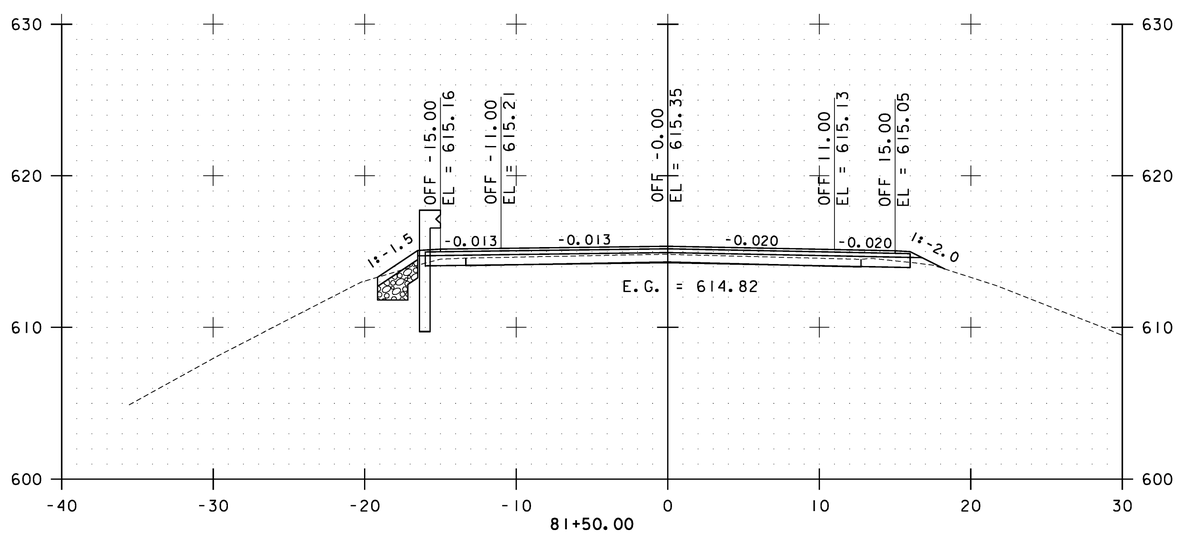
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

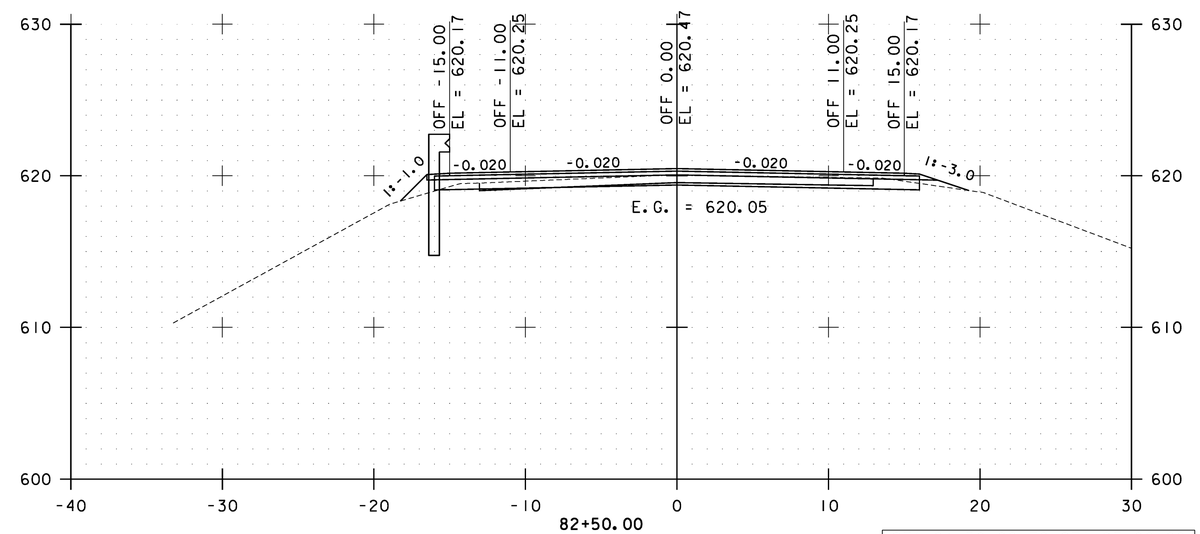
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs33.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 303 OF 387









STA. 81+50.00 TO STA. 83+00.00

0 10 20
SCALE

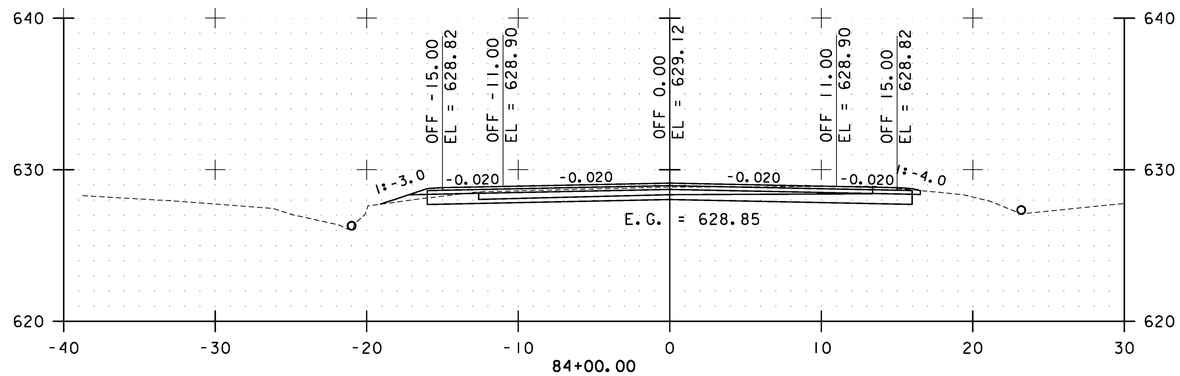
Stantec

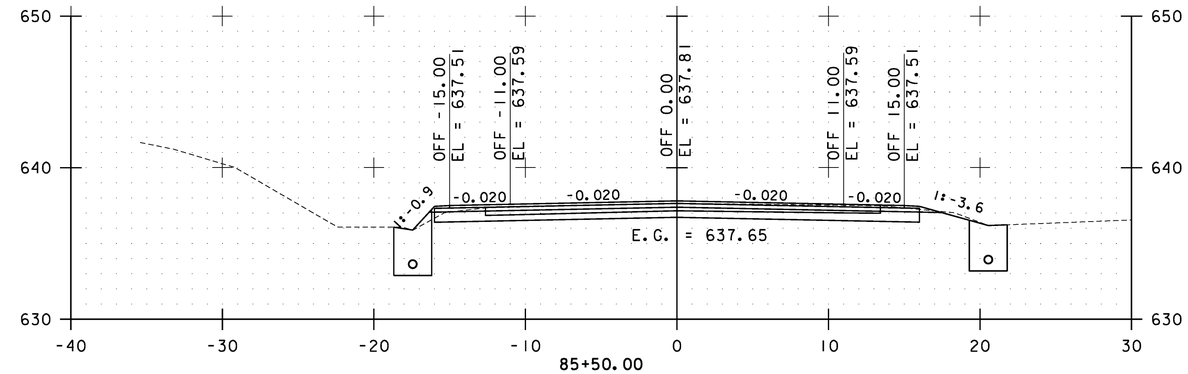
BAKERSFIELD CROSS SECTIONS SHEET #34

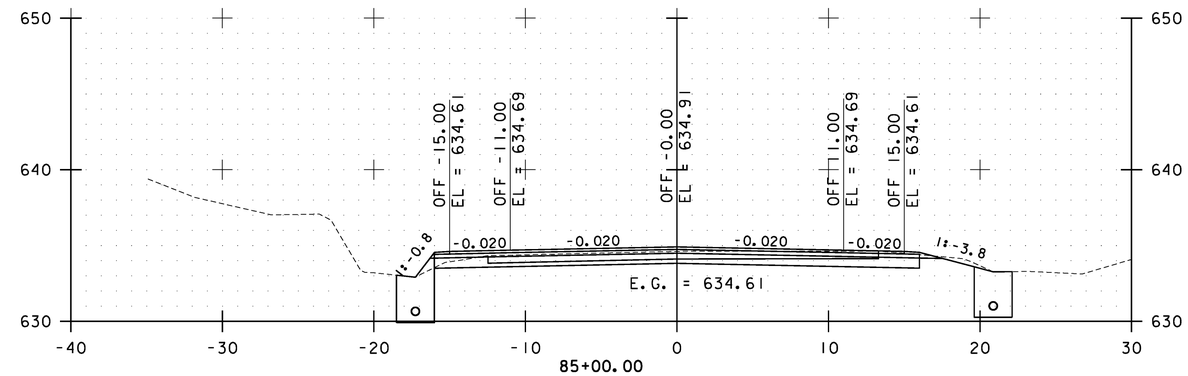
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

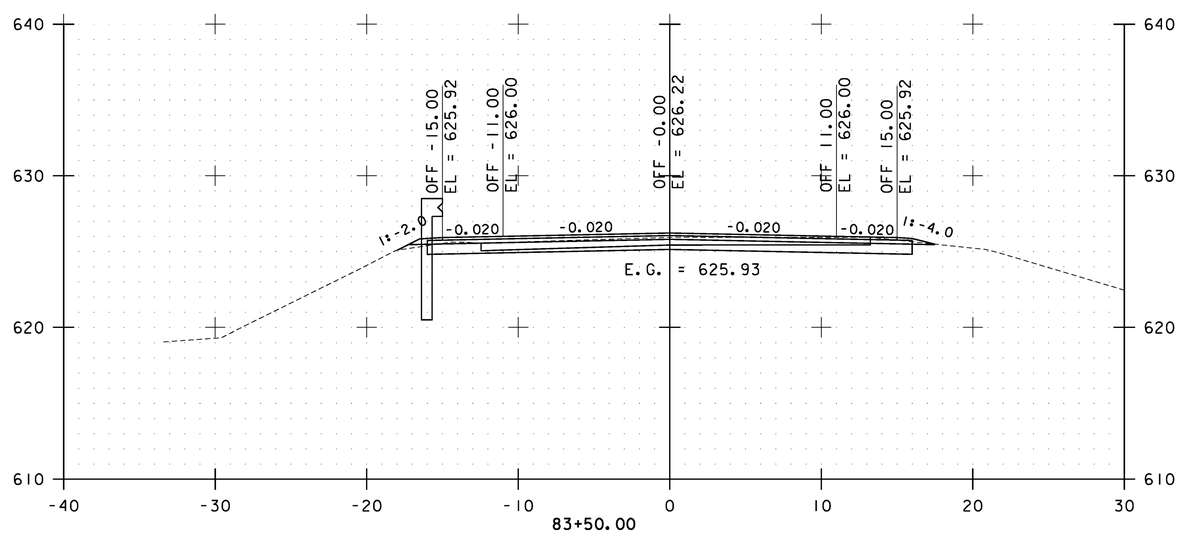
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs34.i

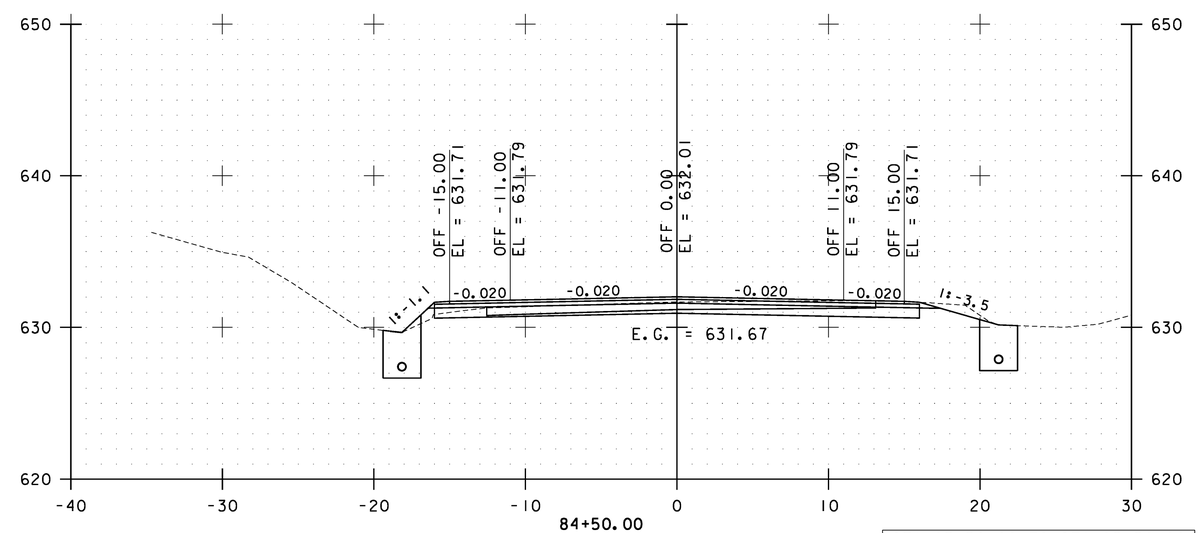
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 304 OF 387











STA. 83+50.00 TO STA. 85+50.00

0 10 20
SCALE

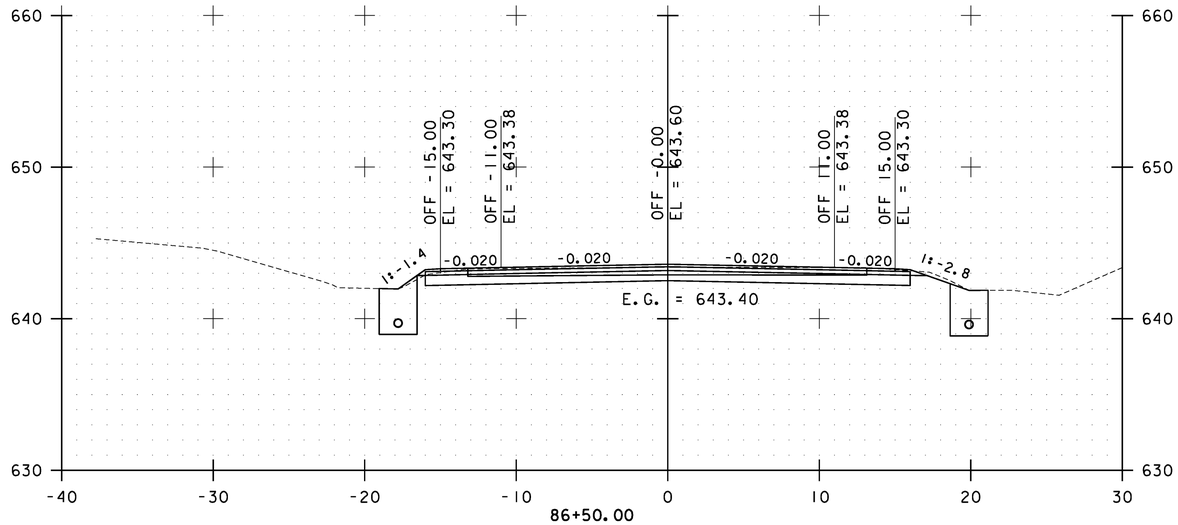
Stantec

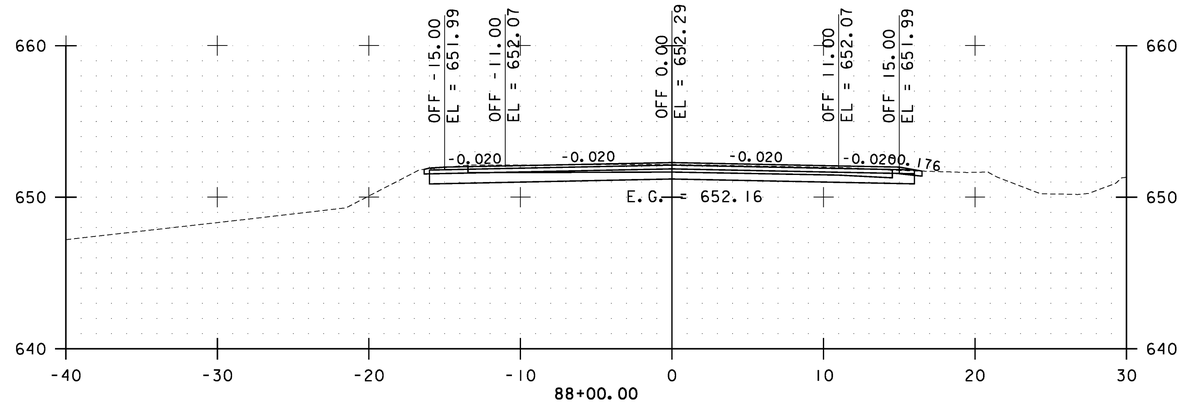
BAKERSFIELD CROSS SECTIONS SHEET #35

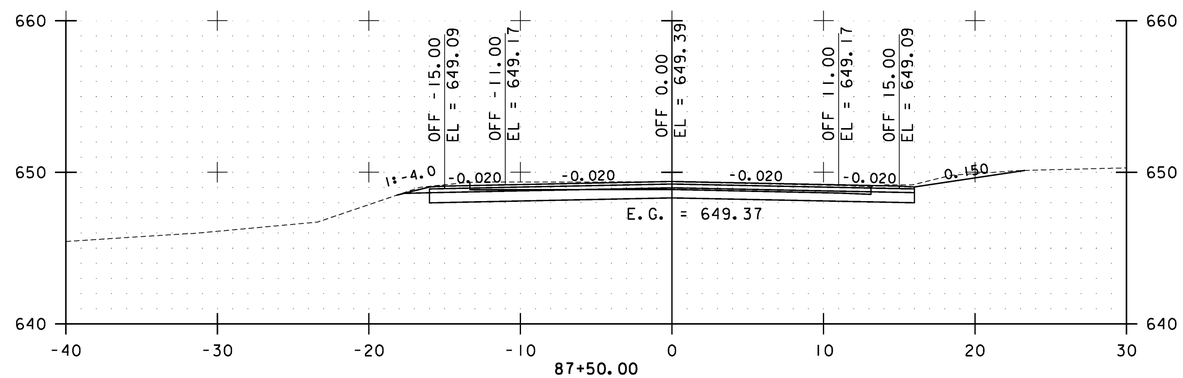
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

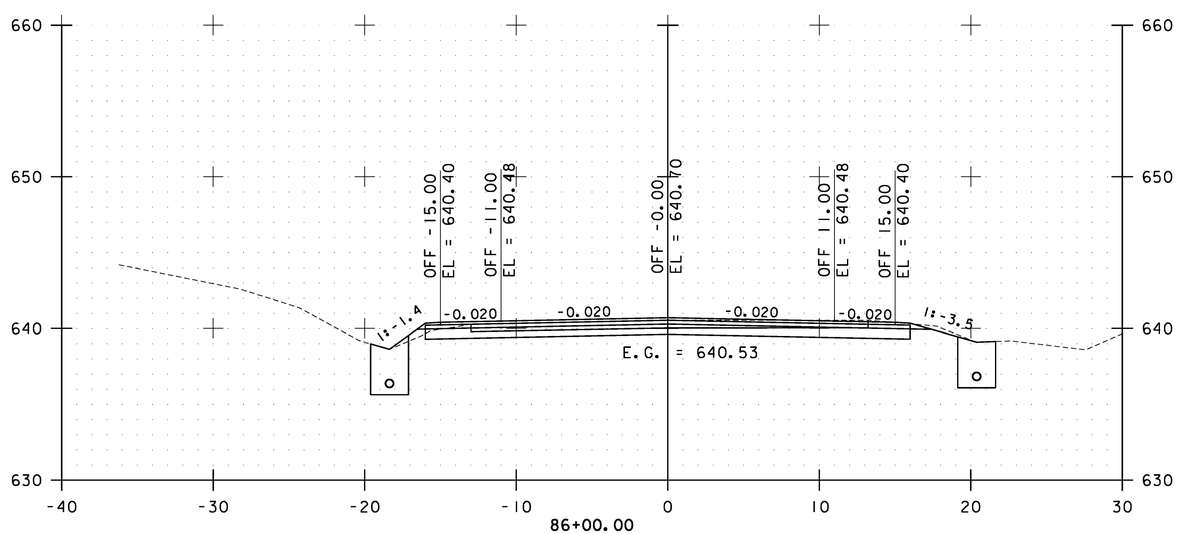
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs35.i

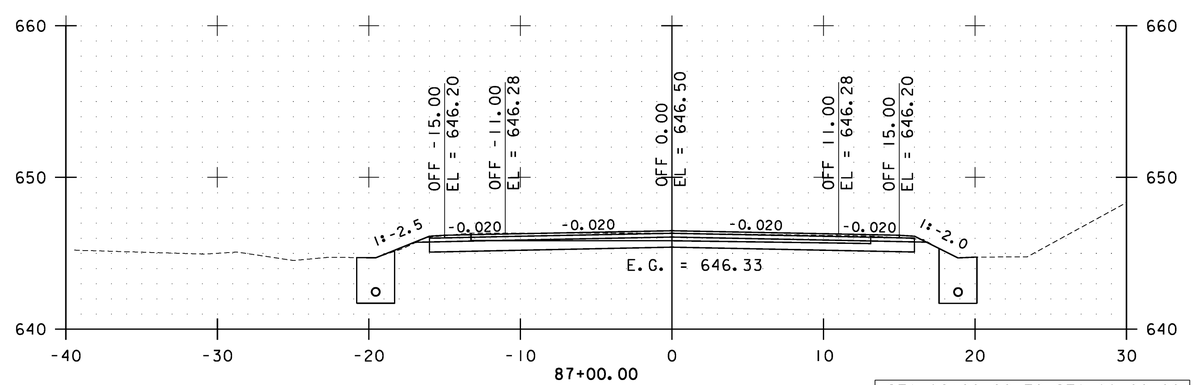
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 305 OF 387











STA. 86+00.00 TO STA. 88+00.00

0 10 20
SCALE

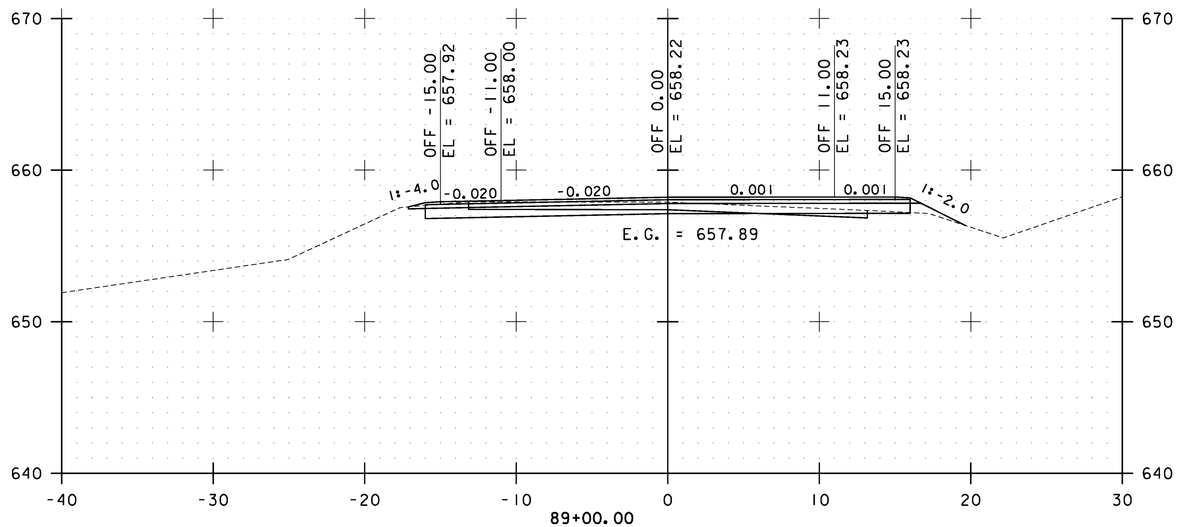
Stantec

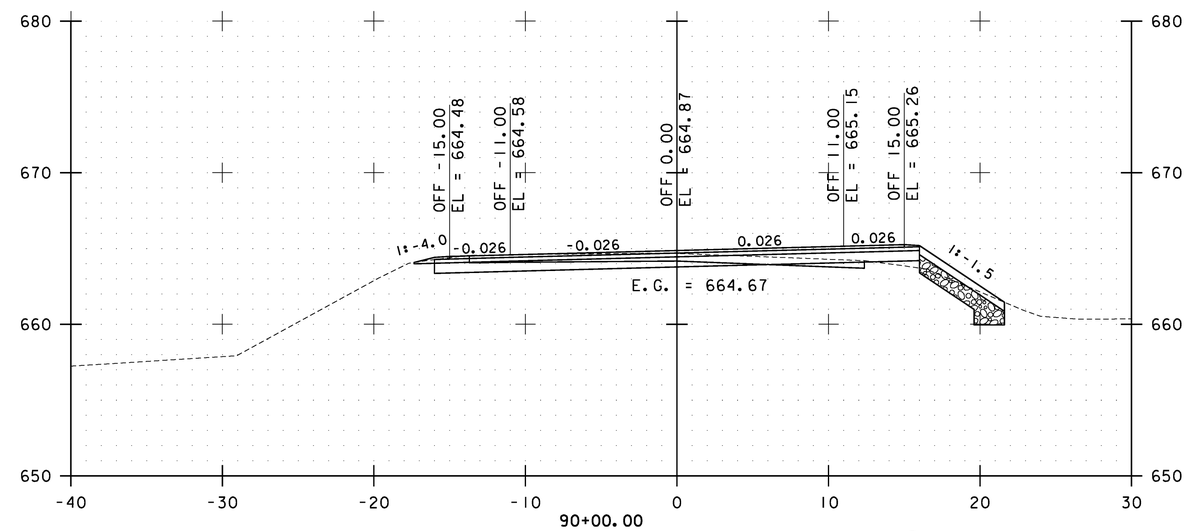
BAKERSFIELD CROSS SECTIONS SHEET #36

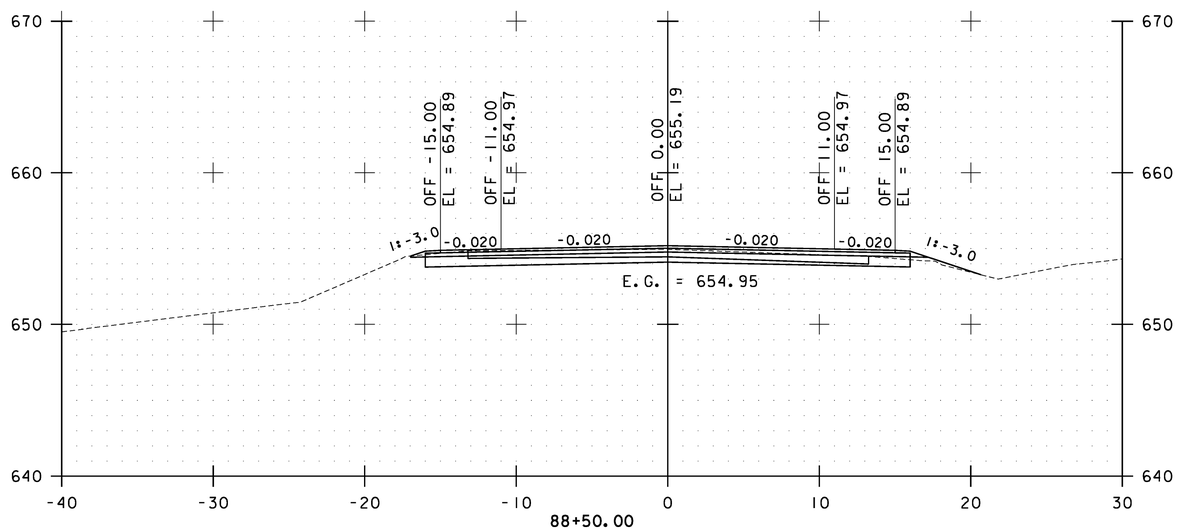
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

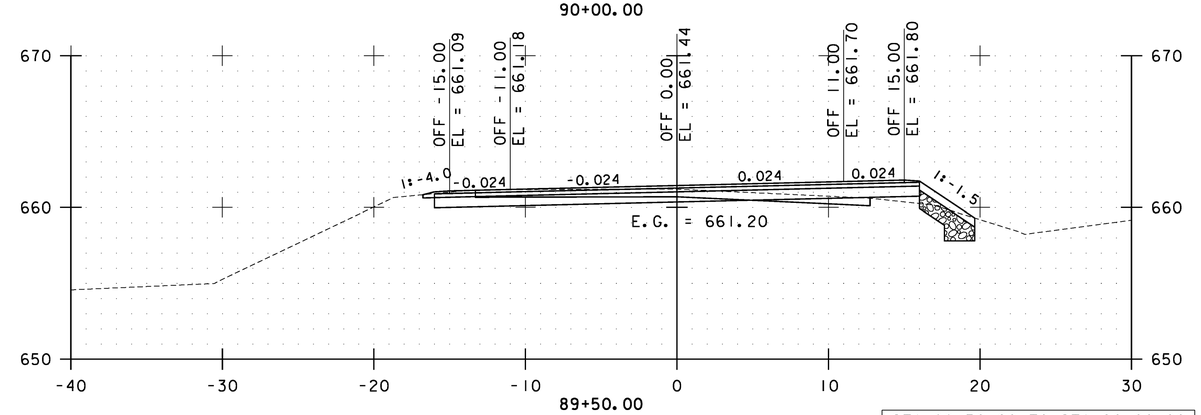
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs36.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 306 OF 387









STA. 88+50.00 TO STA. 90+00.00

0 10 20
SCALE

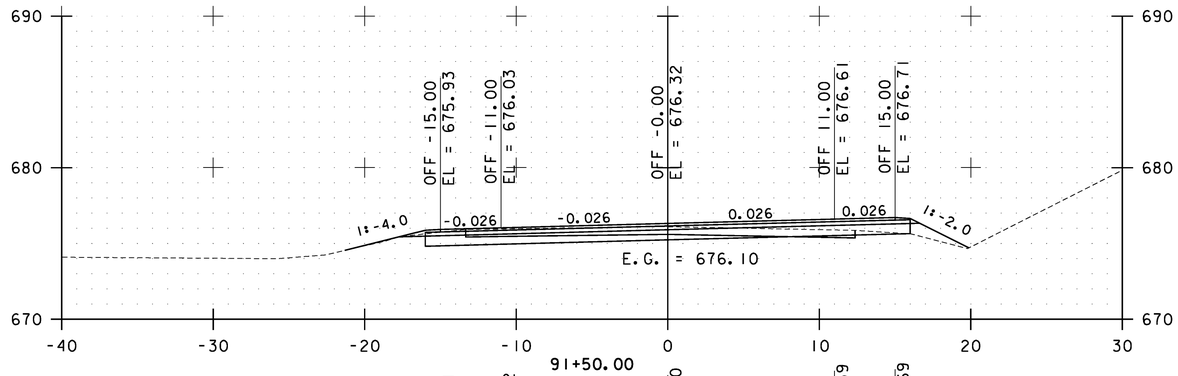
Stantec

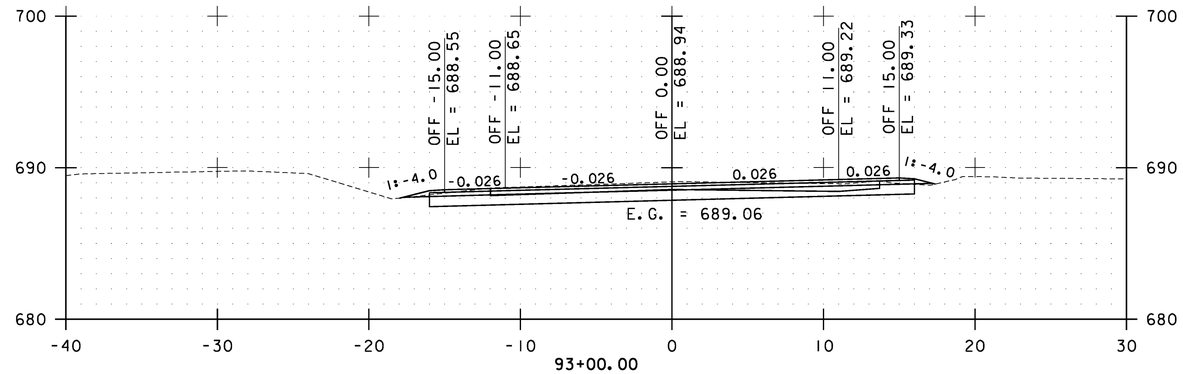
BAKERSFIELD CROSS SECTIONS SHEET #37

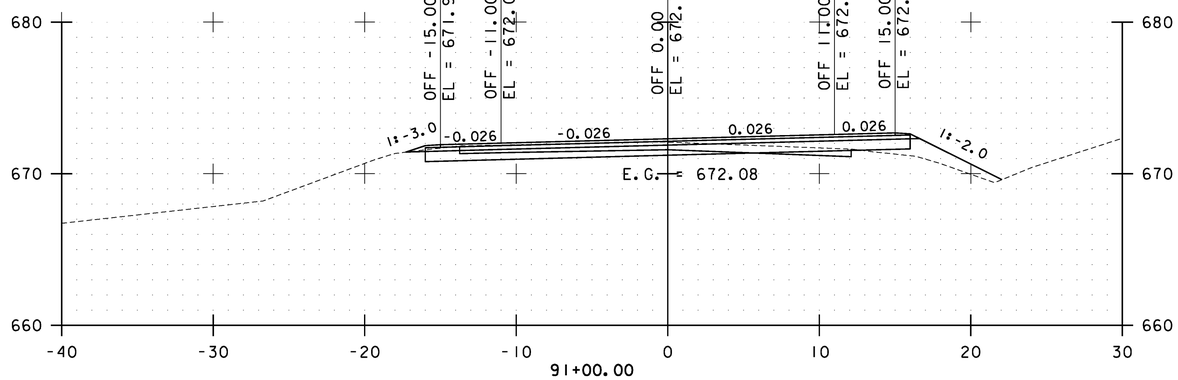
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

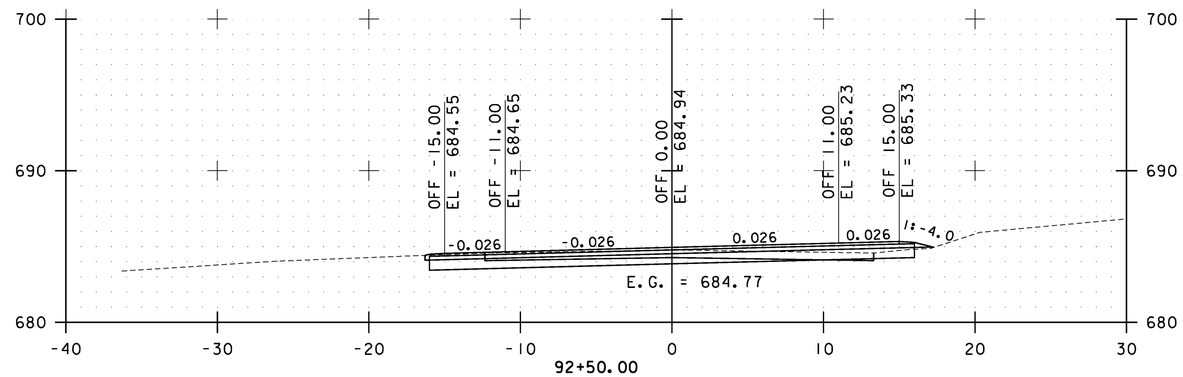
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs37.i

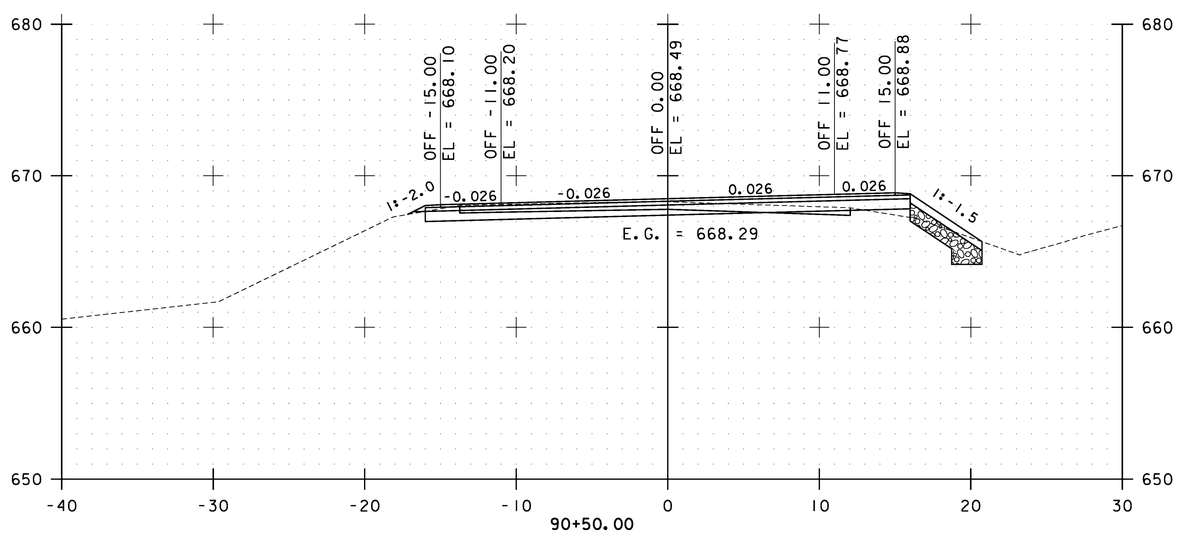
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 307 OF 387

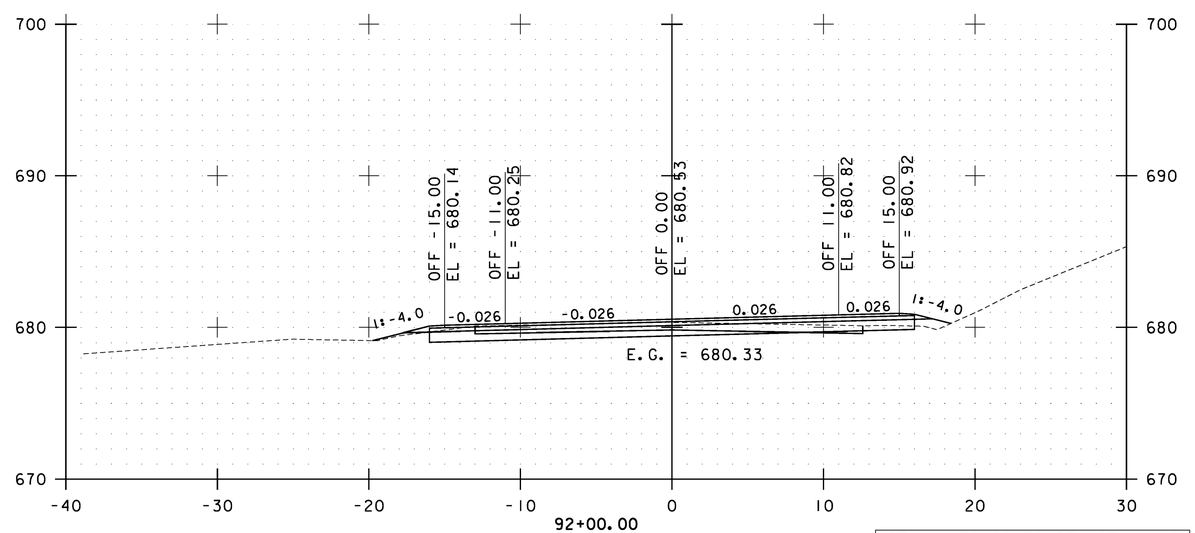












STA. 90+50.00 TO STA. 93+00.00

0 10 20
SCALE

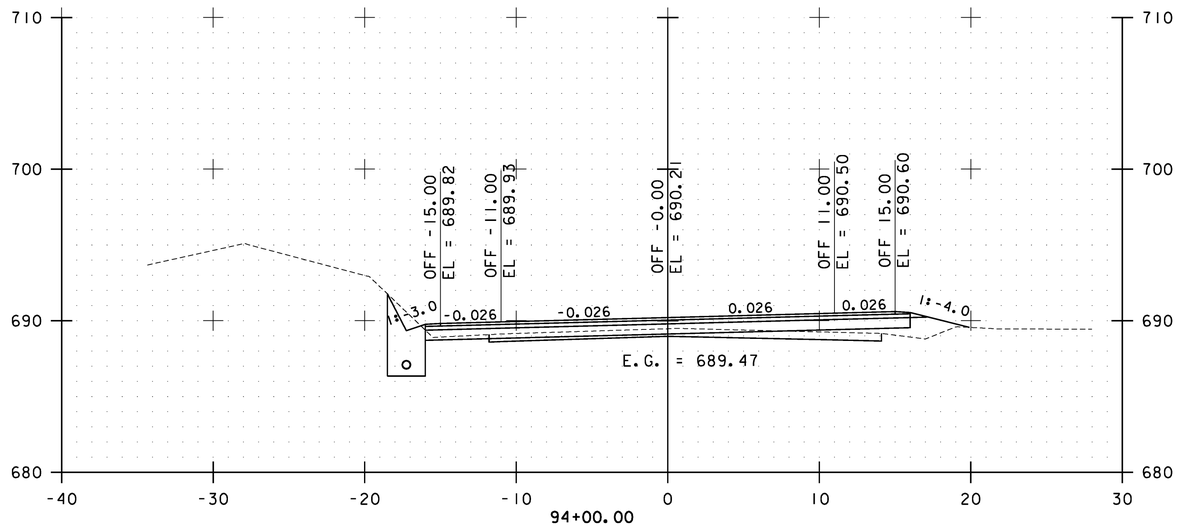
Stantec

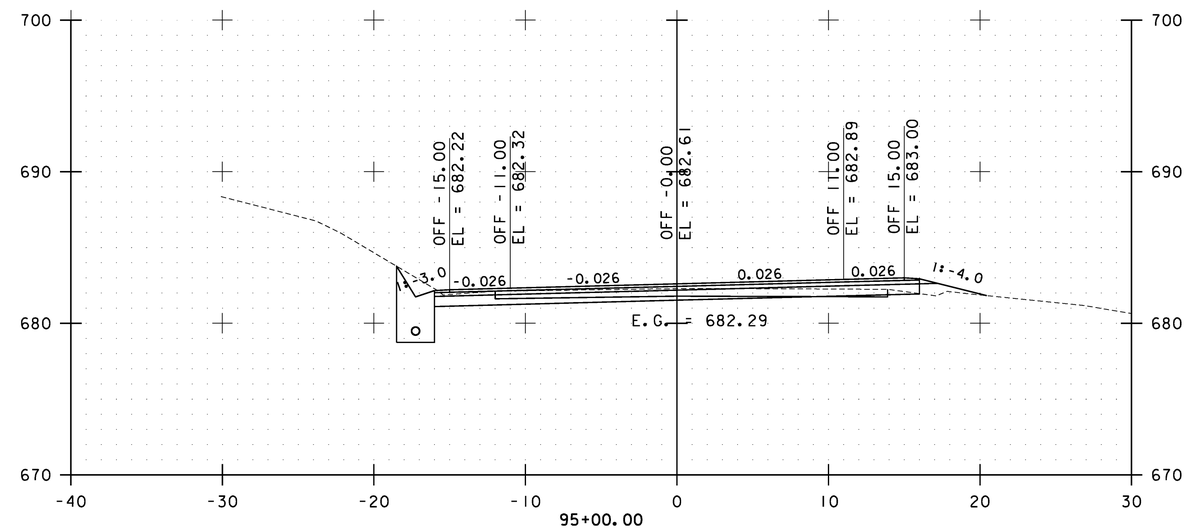
BAKERSFIELD CROSS SECTIONS SHEET #38

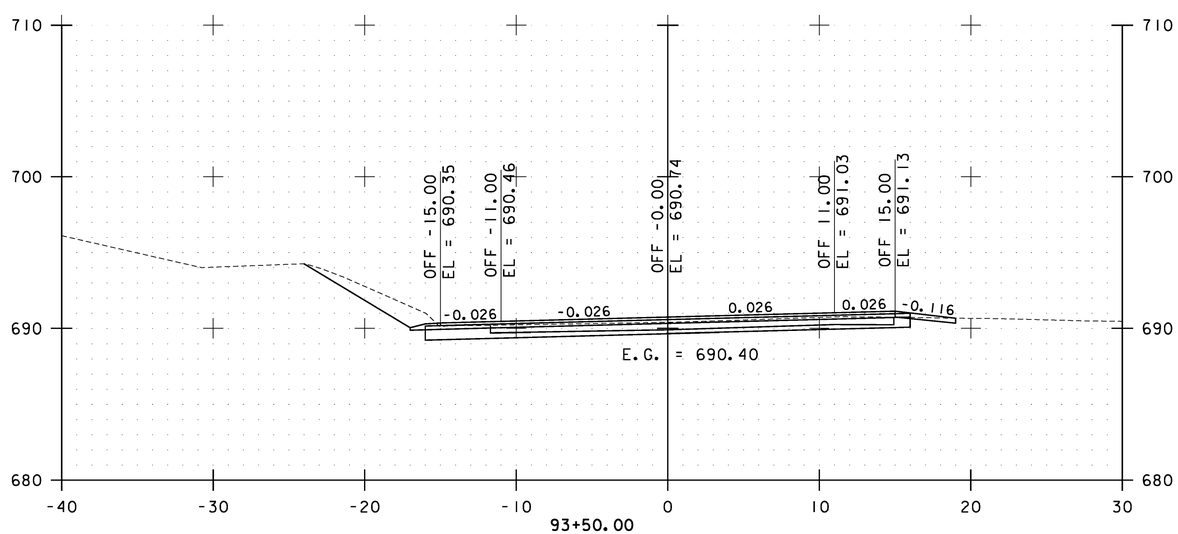
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

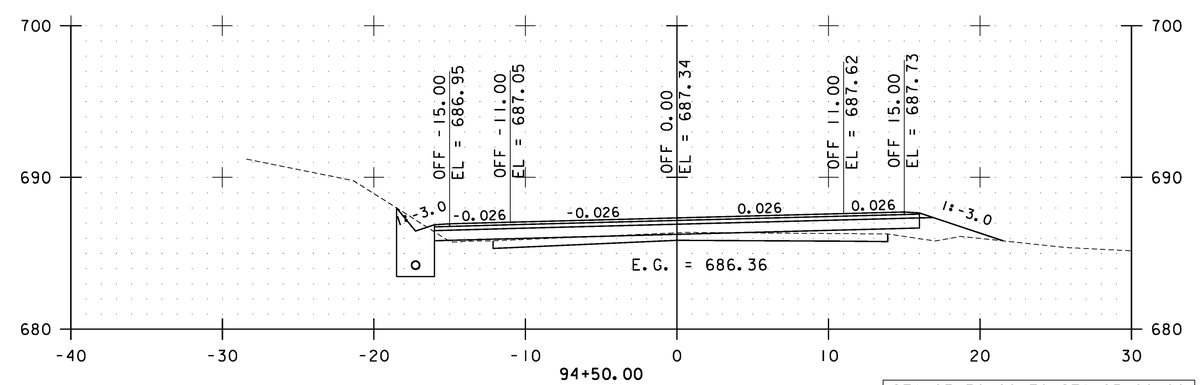
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs38.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 308 OF 387









STA. 93+50.00 TO STA. 95+00.00

0 10 20
SCALE

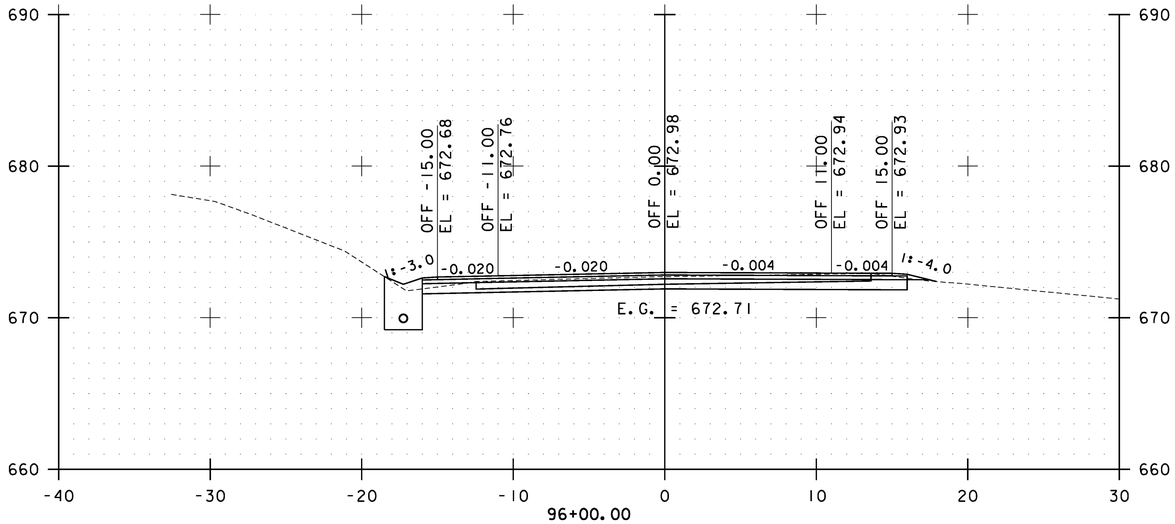
Stantec

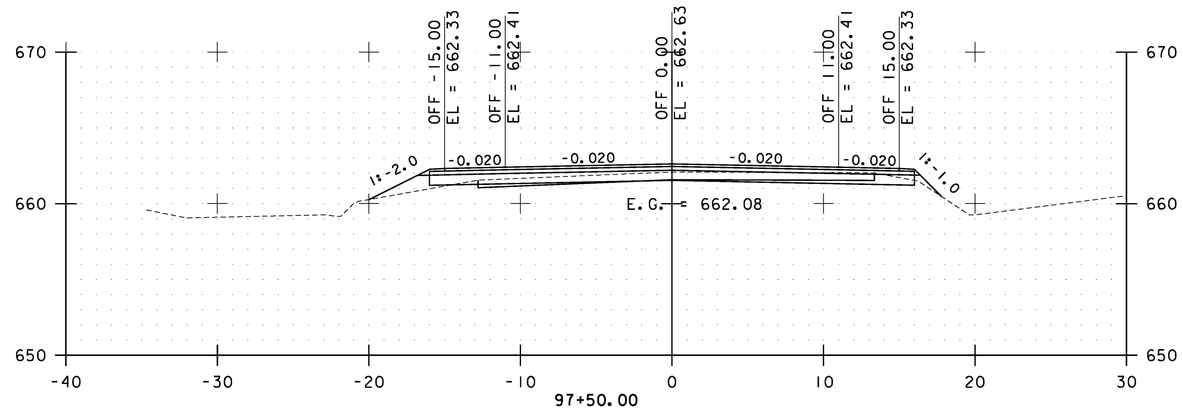
BAKERSFIELD CROSS SECTIONS SHEET #39

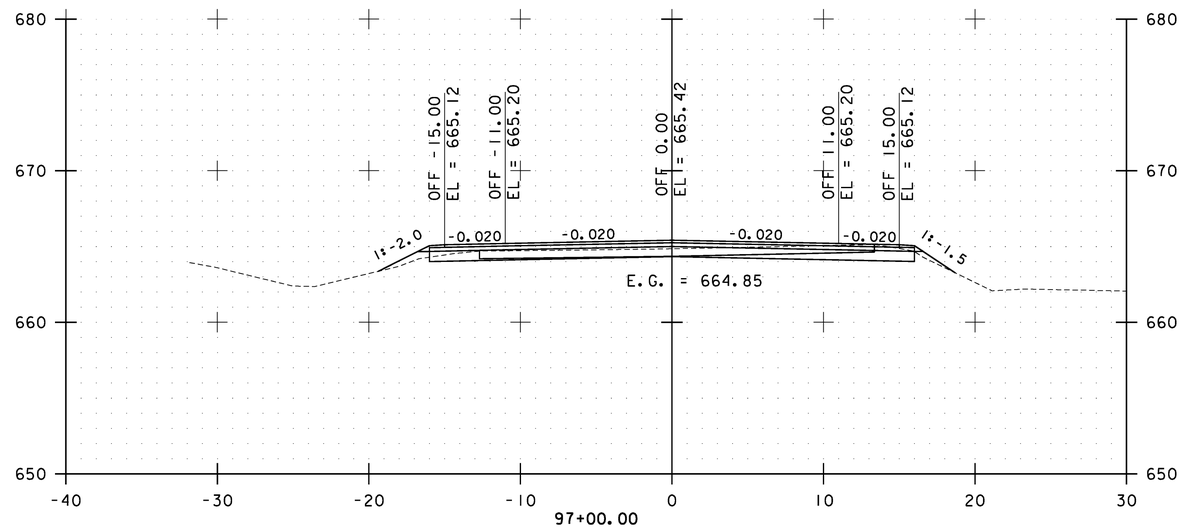
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

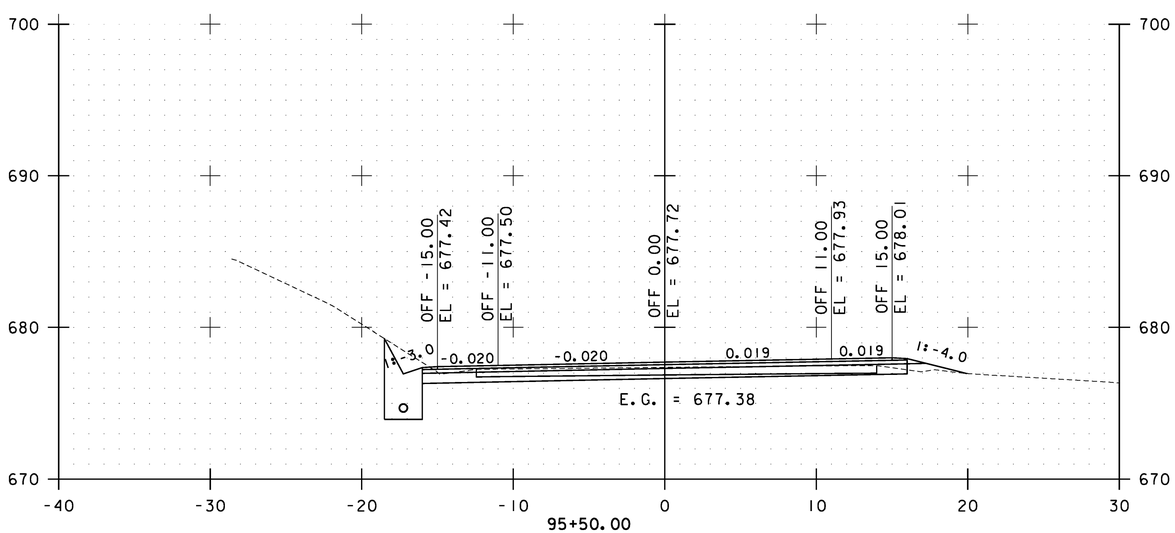
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs39.i

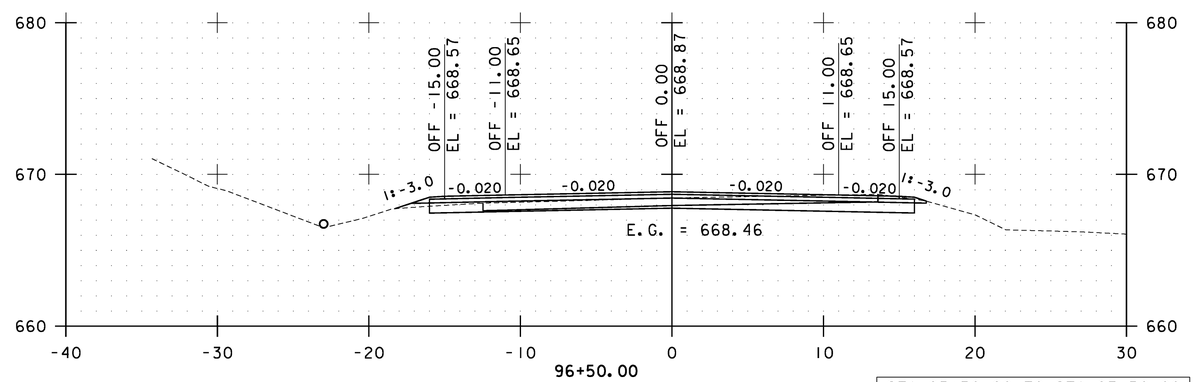
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 309 OF 387











STA. 95+50.00 TO STA. 97+50.00

0 10 20
SCALE

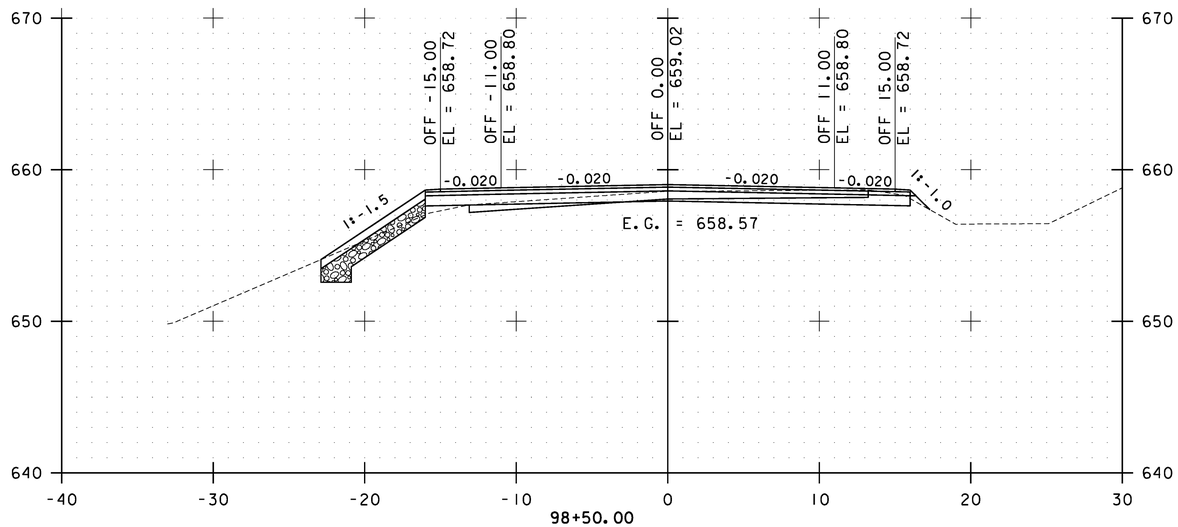
Stantec

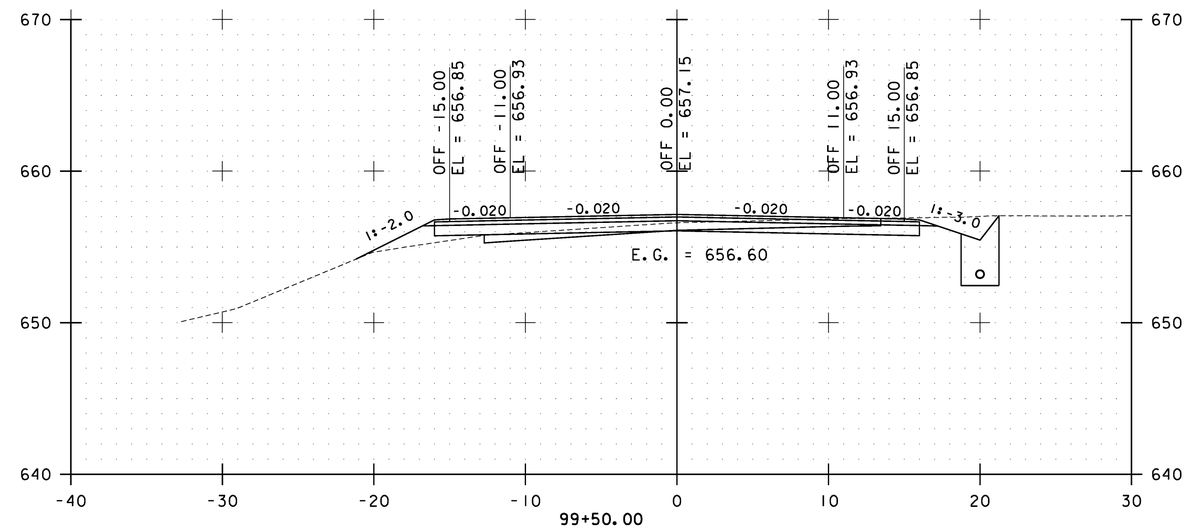
BAKERSFIELD CROSS SECTIONS SHEET #40

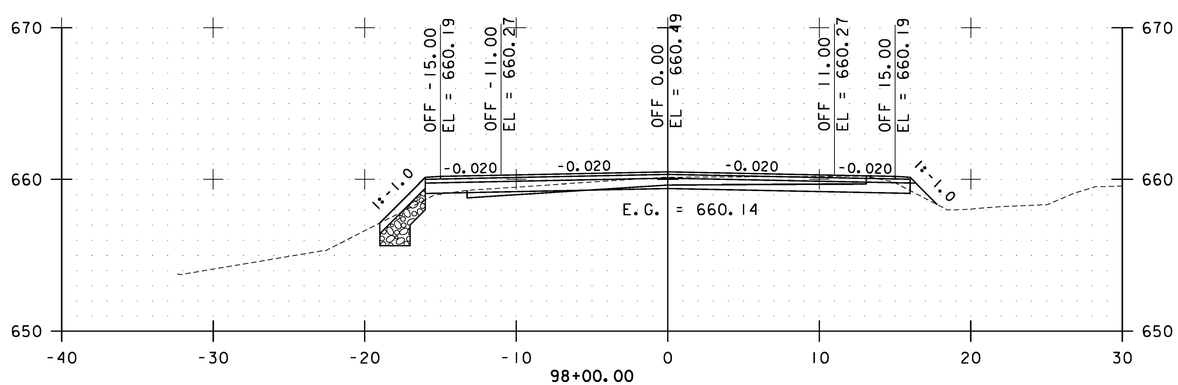
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

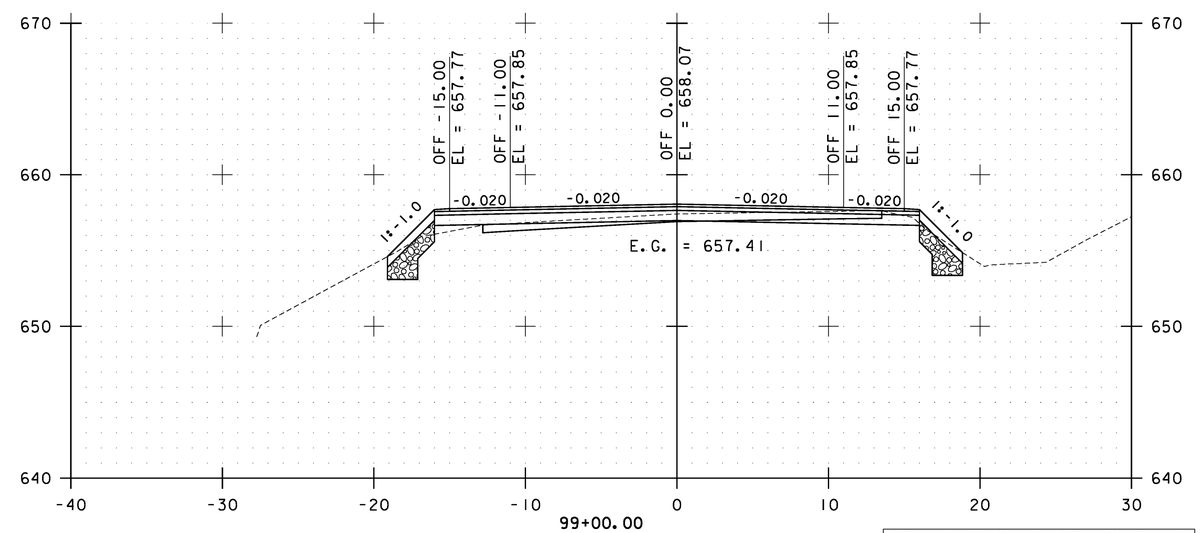
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs40.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 310 OF 387









STA. 98+00.00 TO STA. 99+50.00

0 10 20
SCALE

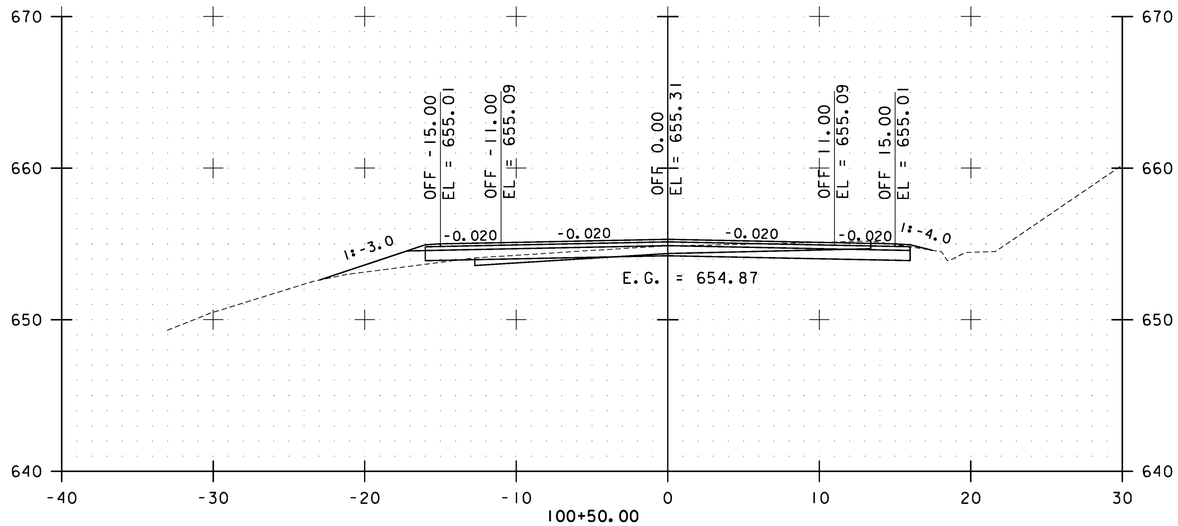
Stantec

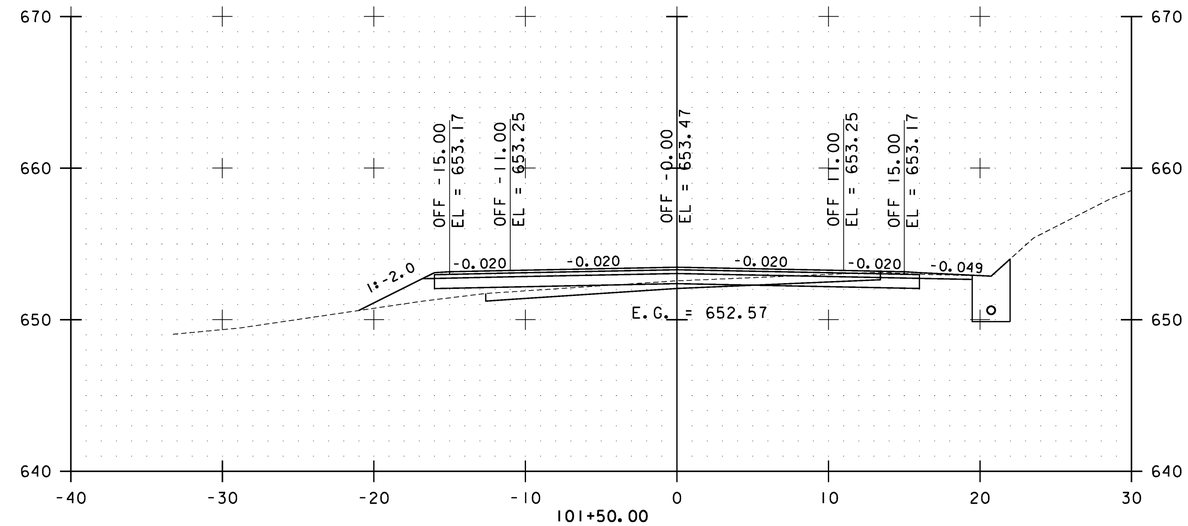
BAKERSFIELD CROSS SECTIONS SHEET #41

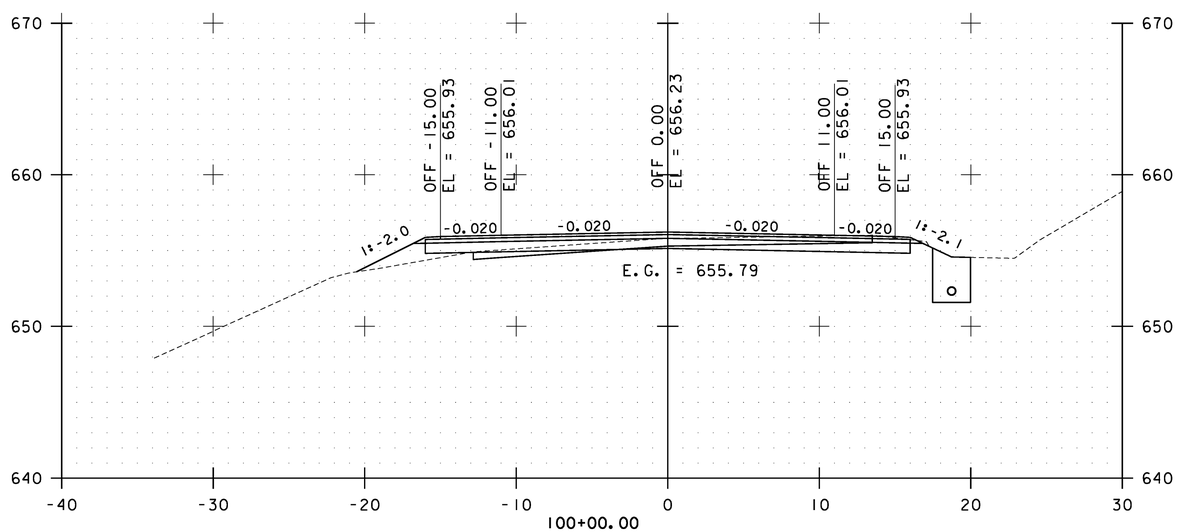
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

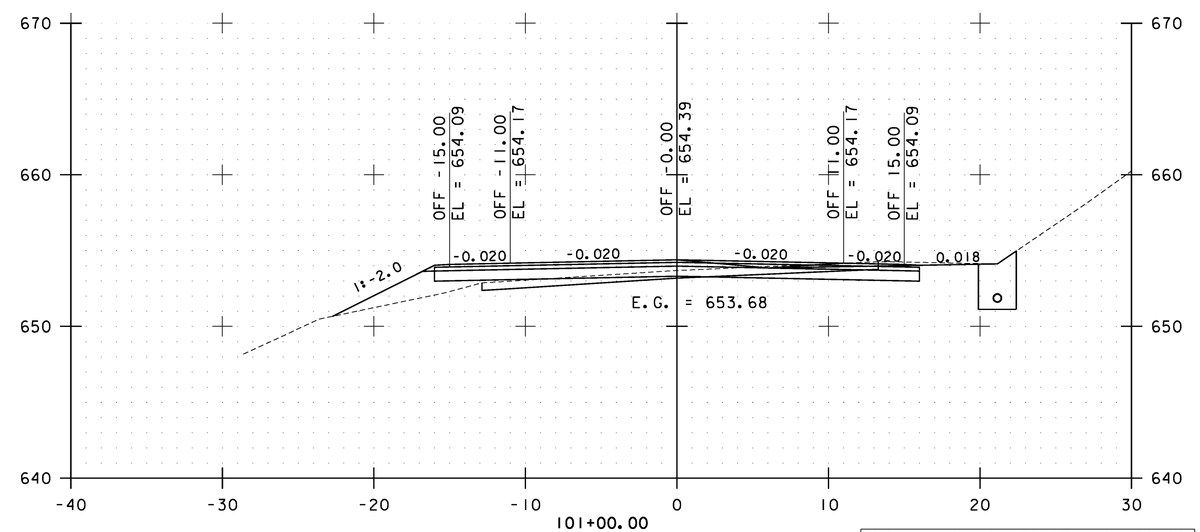
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs41.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 311 OF 387









STA. 100+00.00 TO STA. 101+50.00

0 10 20
SCALE

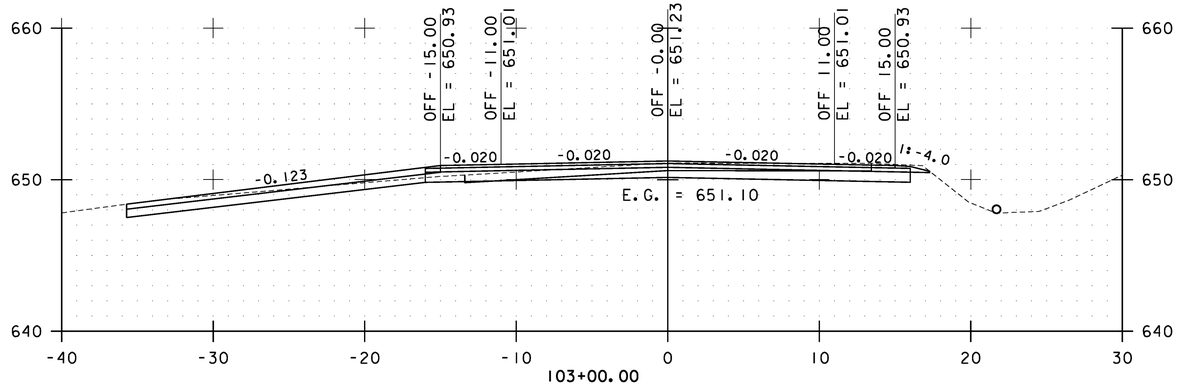
Stantec

BAKERSFIELD CROSS SECTIONS SHEET #42

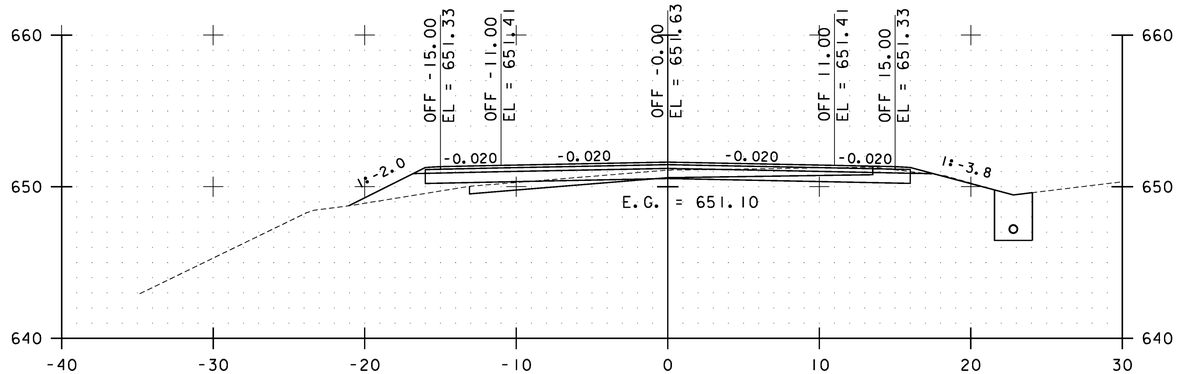
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs42.i

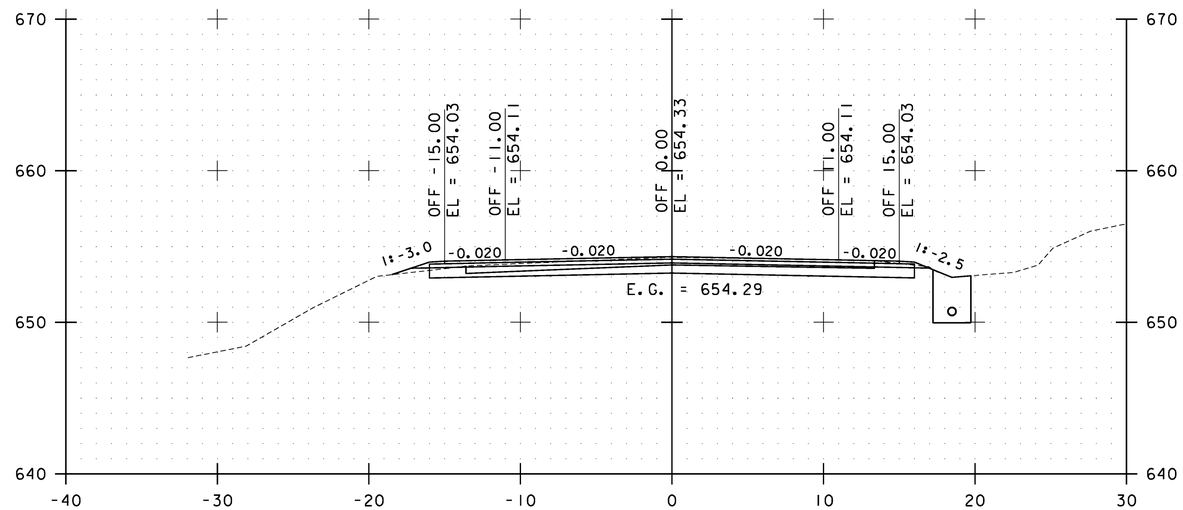
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 312 OF 387



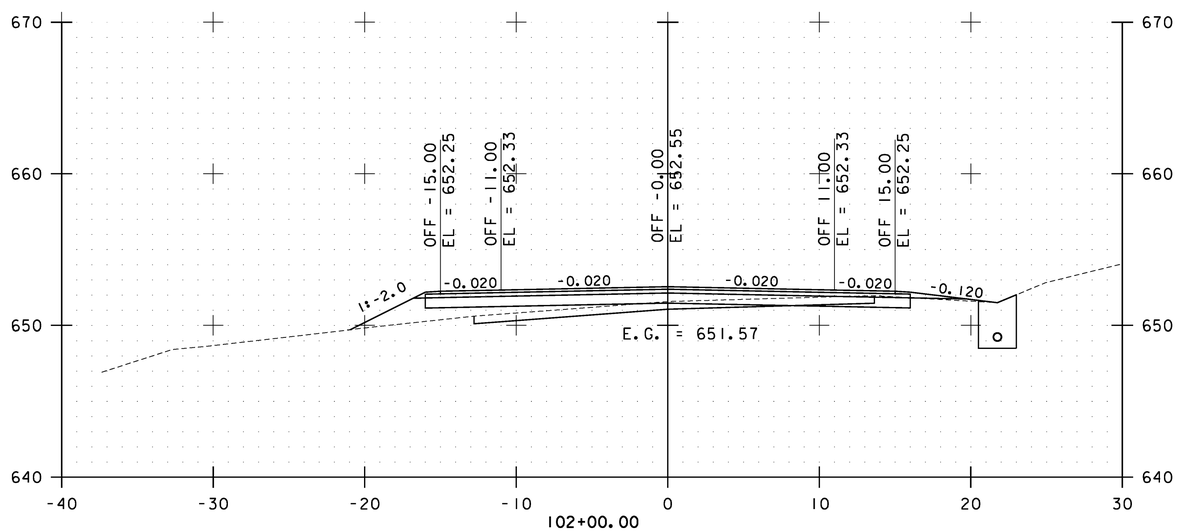
103+00.00



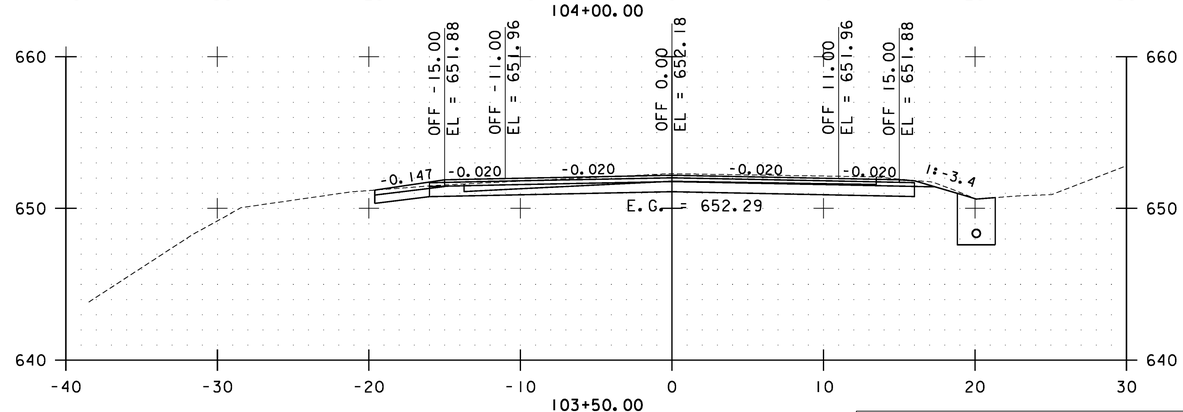
102+50.00



104+00.00



102+00.00



103+50.00

STA. 102+00.00 TO STA. 104+00.00

0 10 20
SCALE

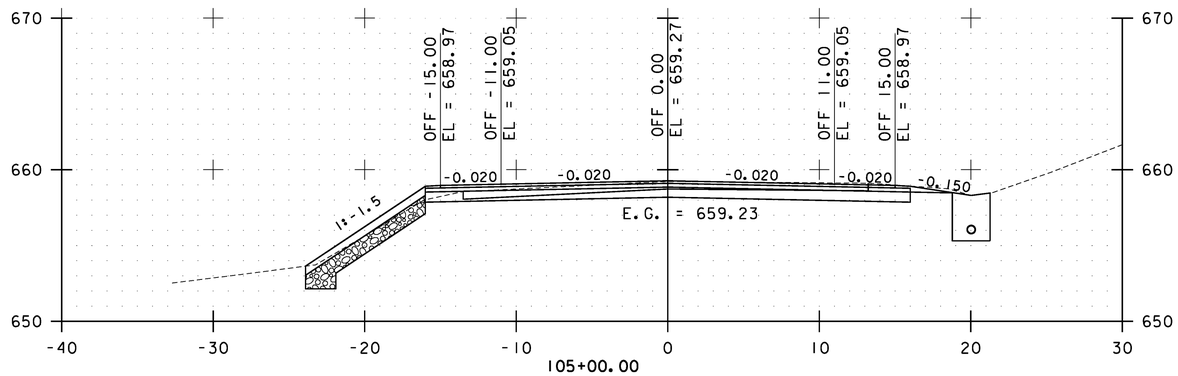
Stantec

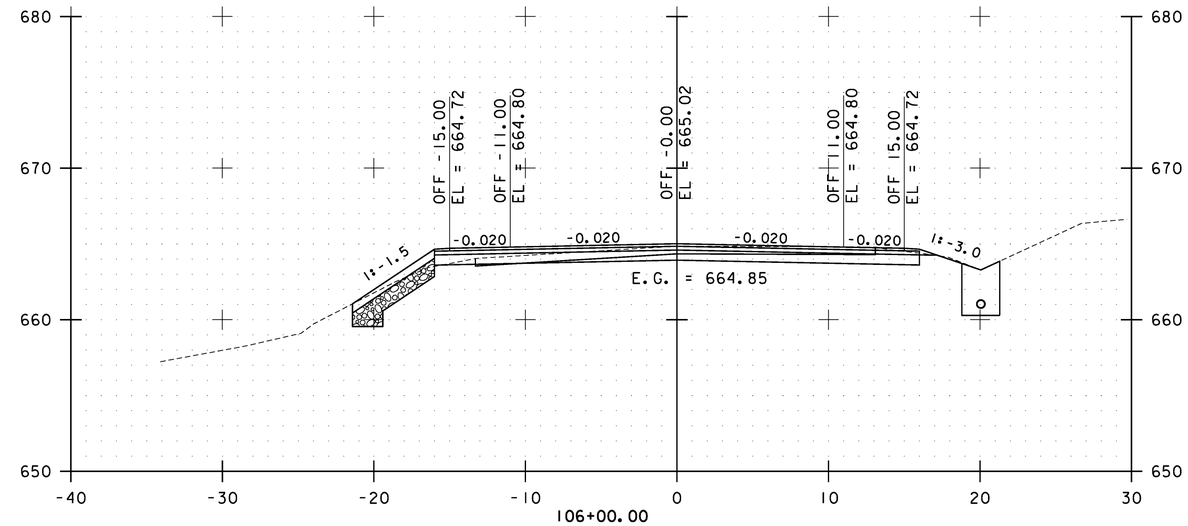
BAKERSFIELD CROSS SECTIONS SHEET #43

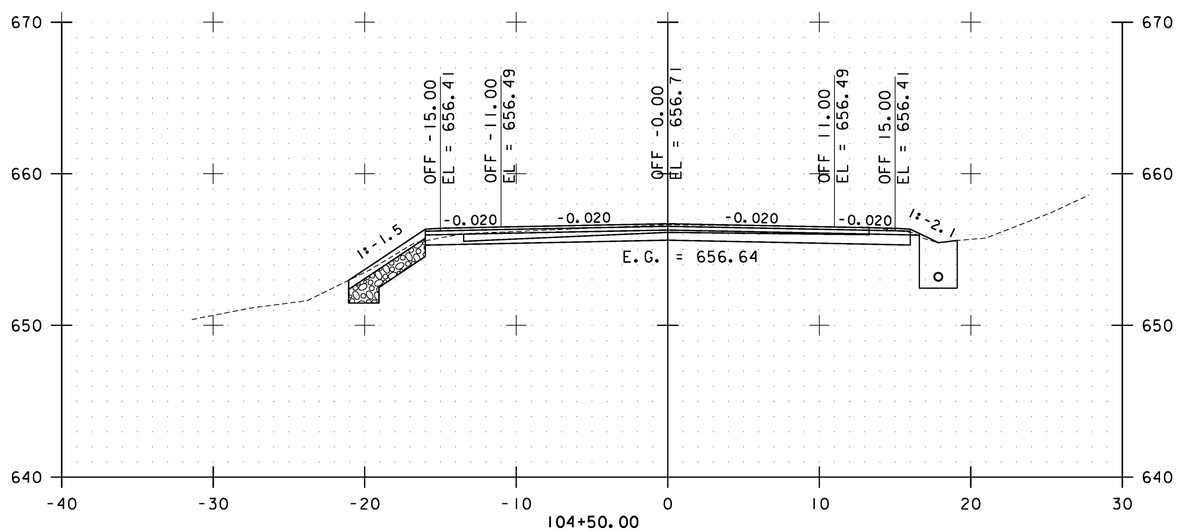
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

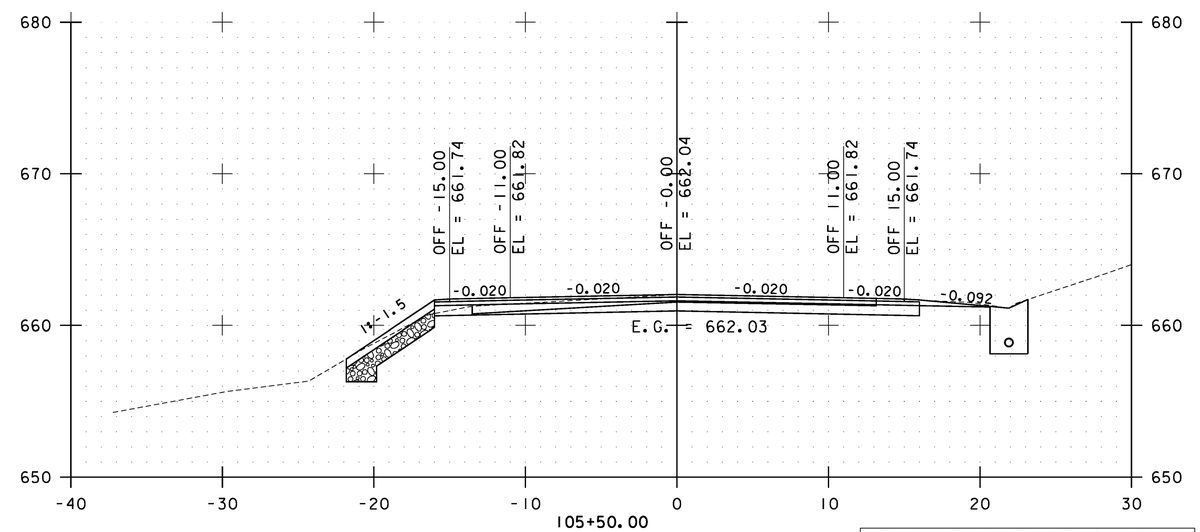
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs43.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 313 OF 387









STA. 104+50.00 TO STA. 106+00.00

0 10 20
SCALE

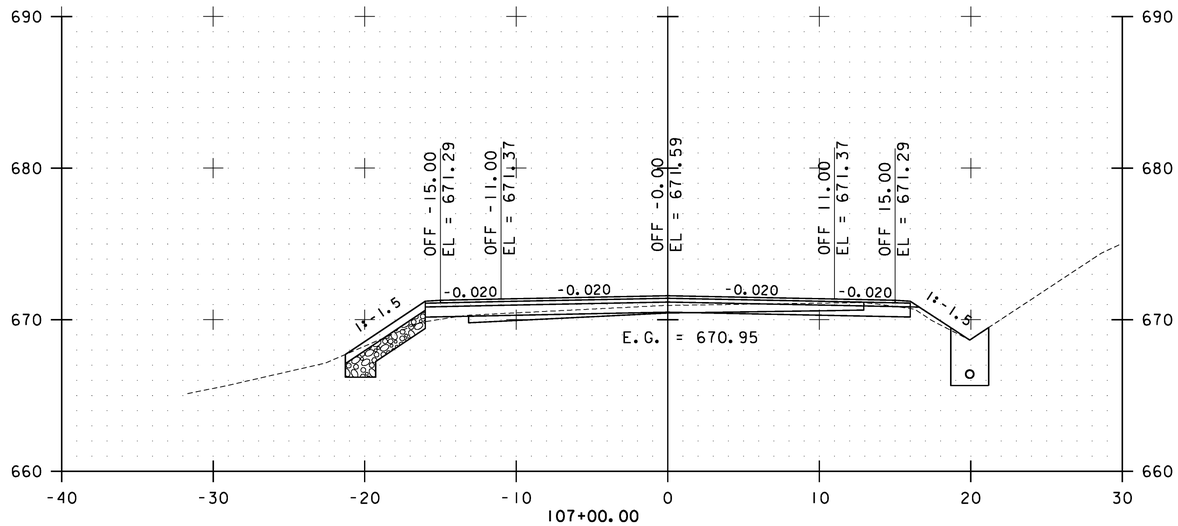
Stantec

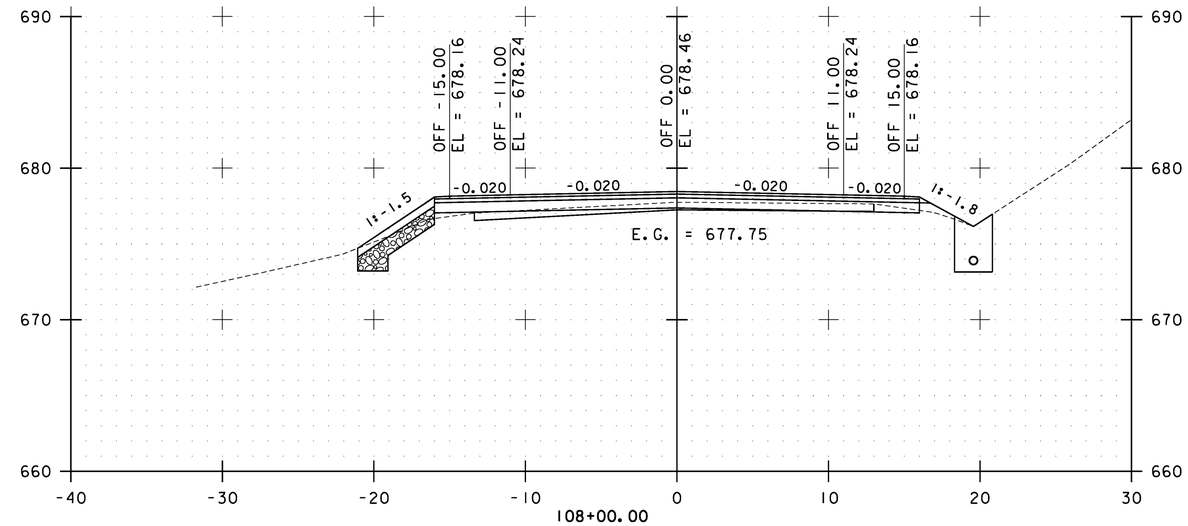
BAKERSFIELD CROSS SECTIONS SHEET #44

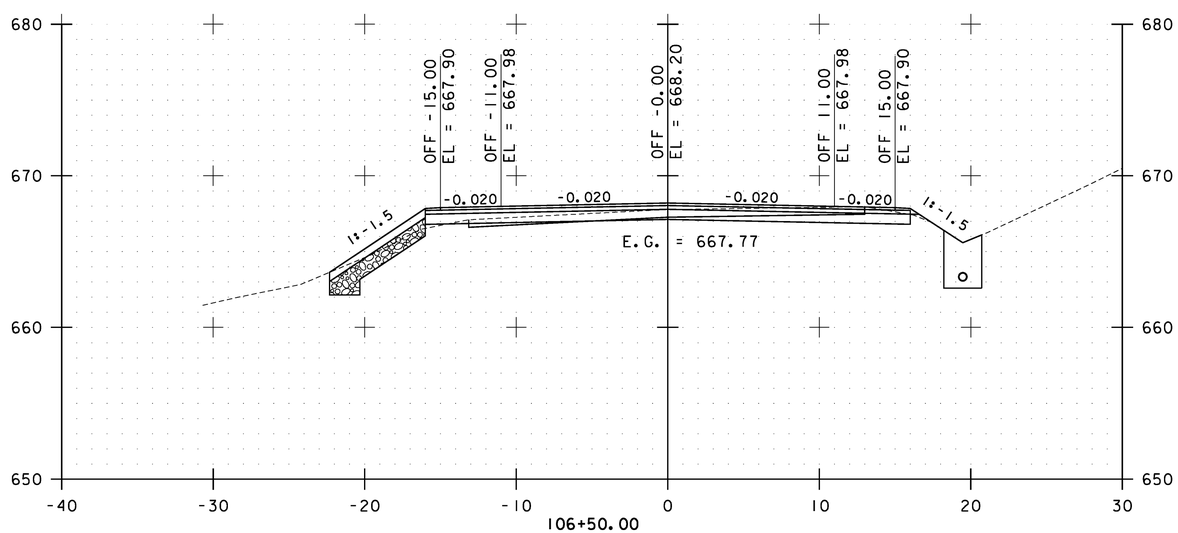
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

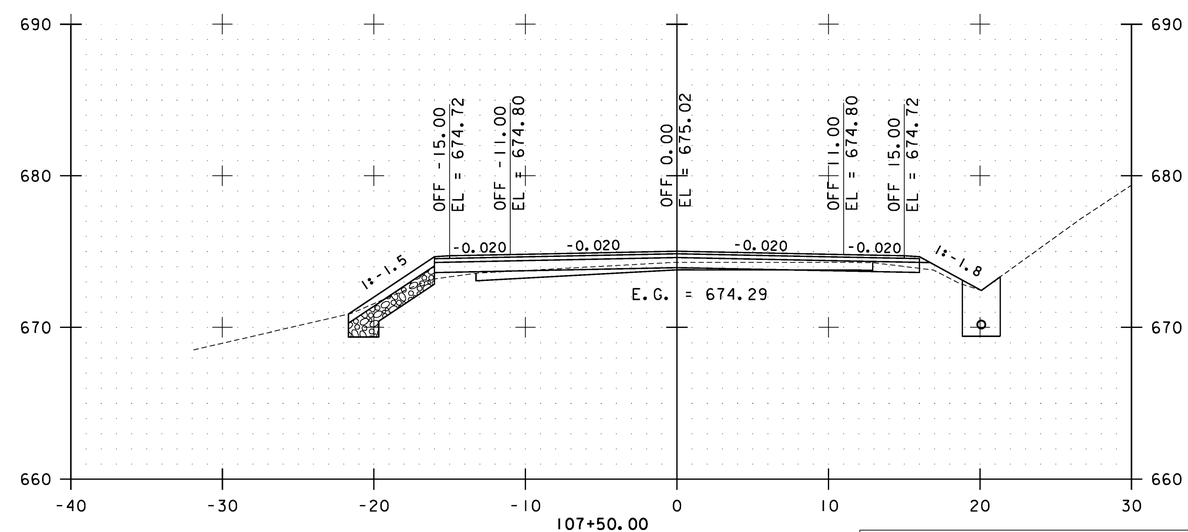
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs44.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 314 OF 387









STA. 106+50.00 TO STA. 108+00.00

0 10 20
SCALE

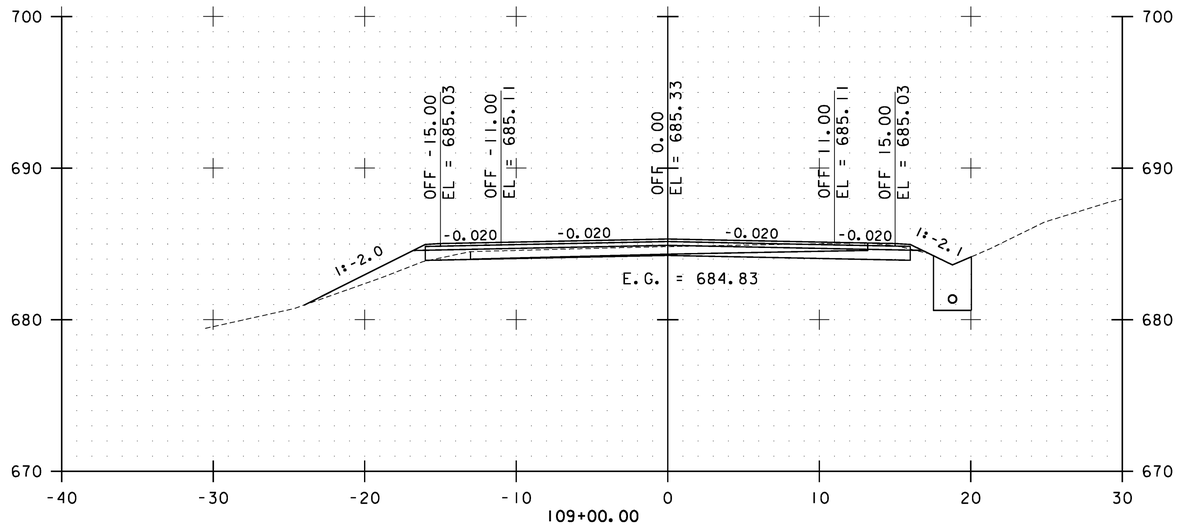
Stantec

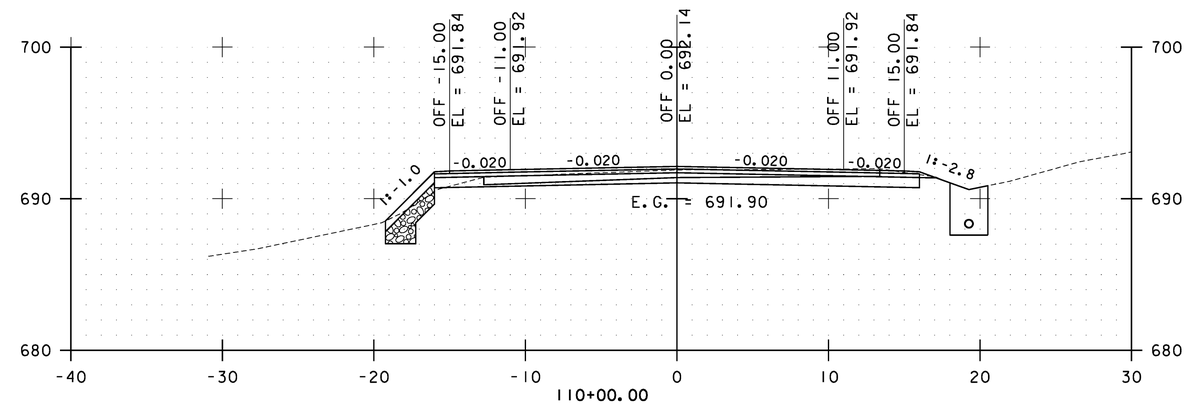
BAKERSFIELD CROSS SECTIONS SHEET #45

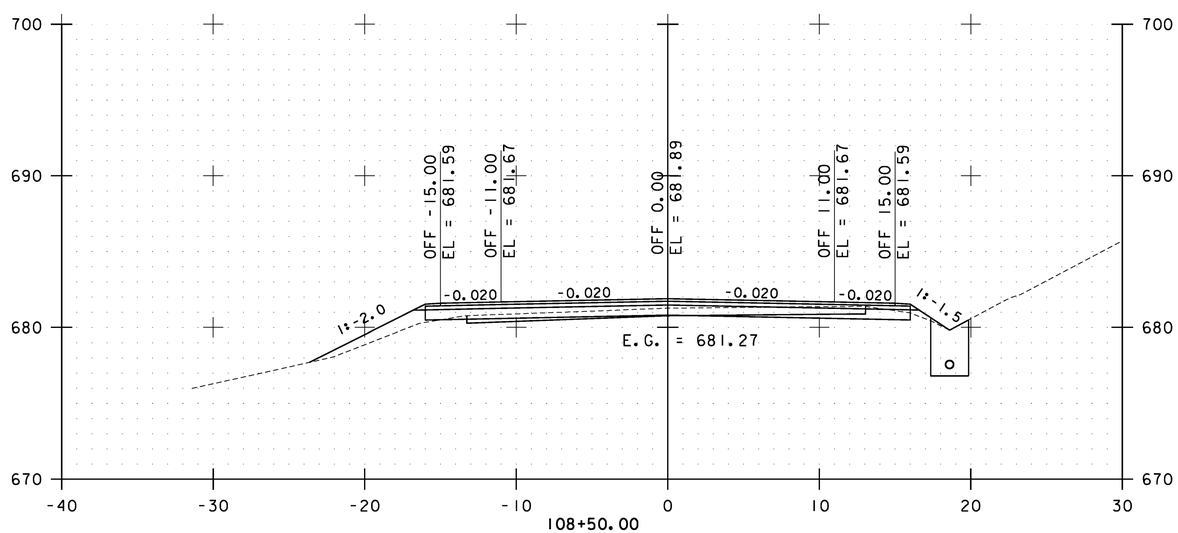
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

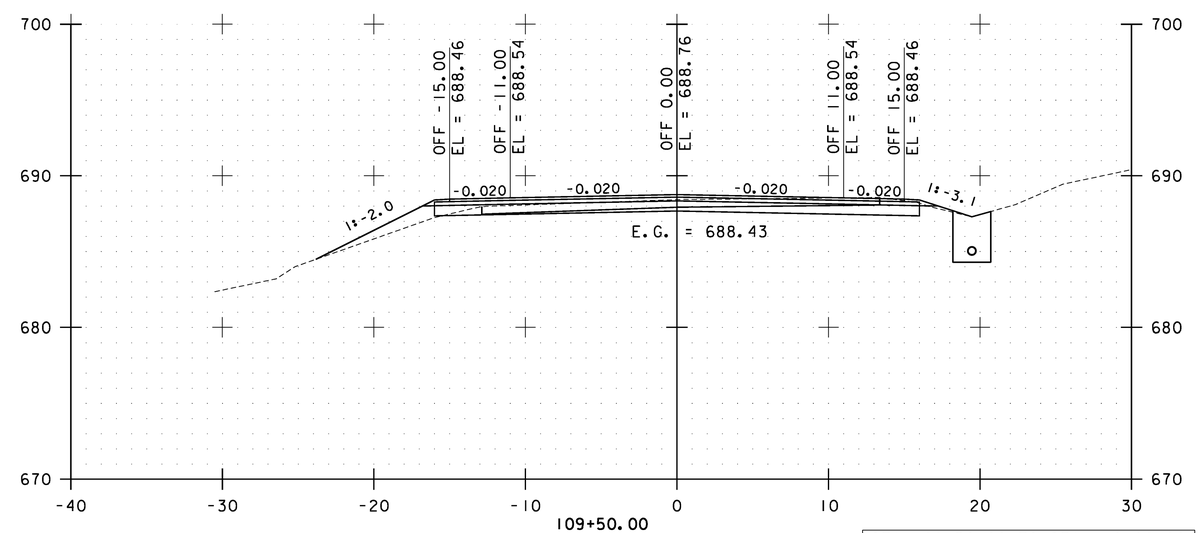
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs45.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 315 OF 387









STA. 108+50.00 TO STA. 110+00.00

0 10 20
SCALE

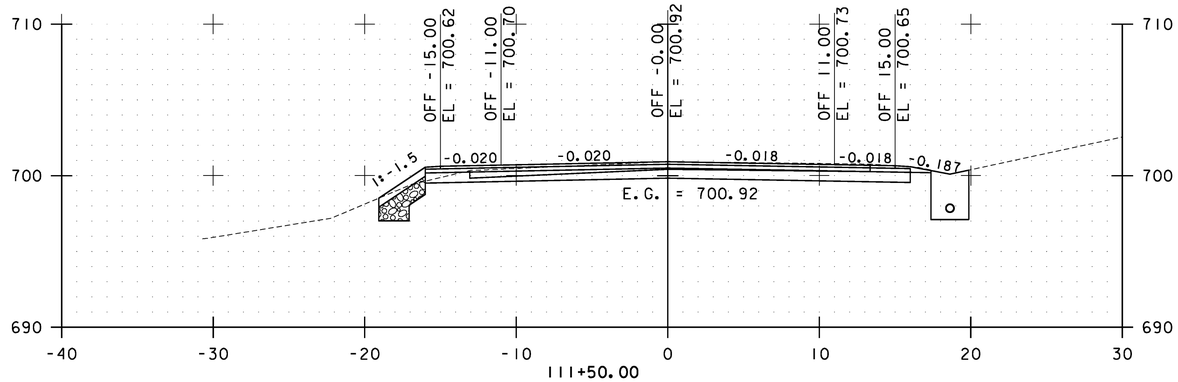
Stantec

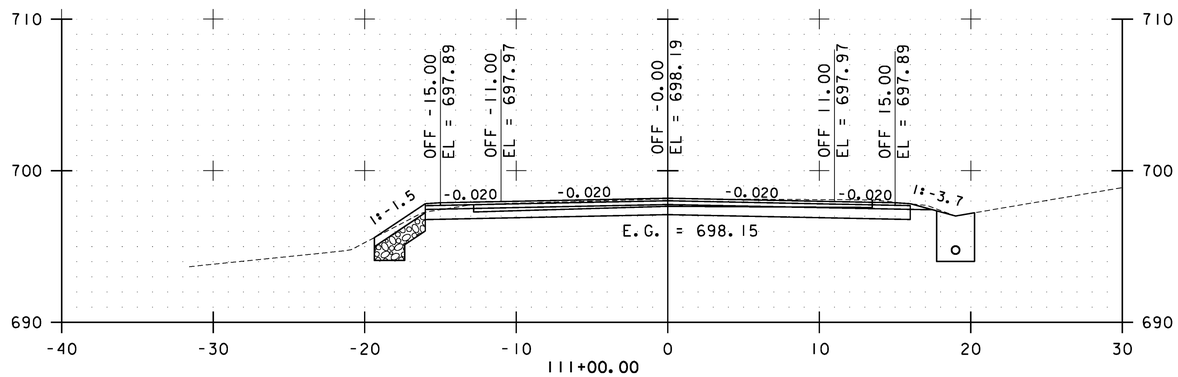
BAKERSFIELD CROSS SECTIONS SHEET #46

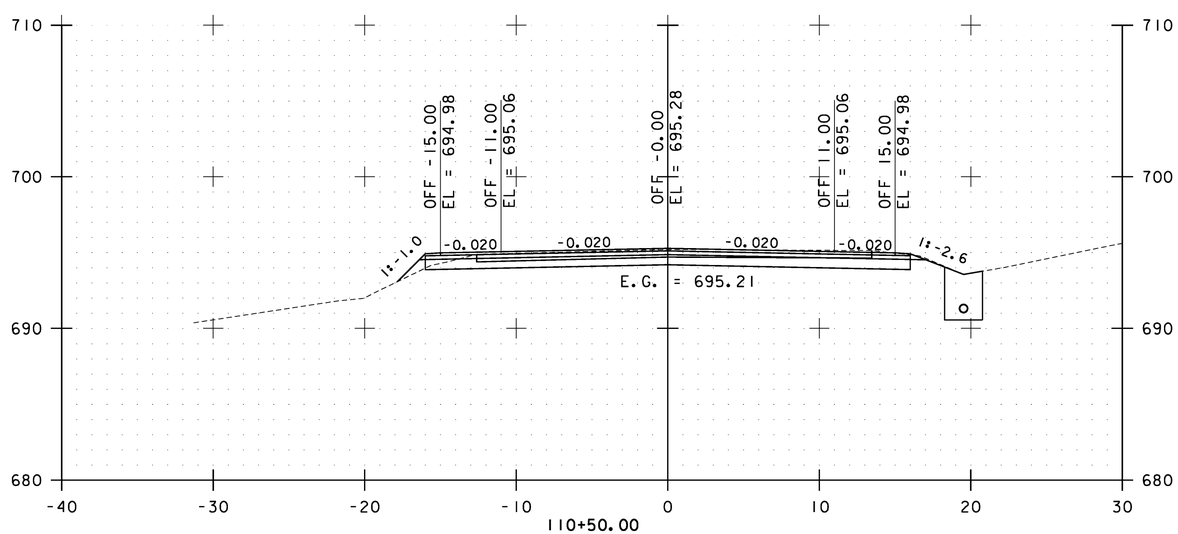
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

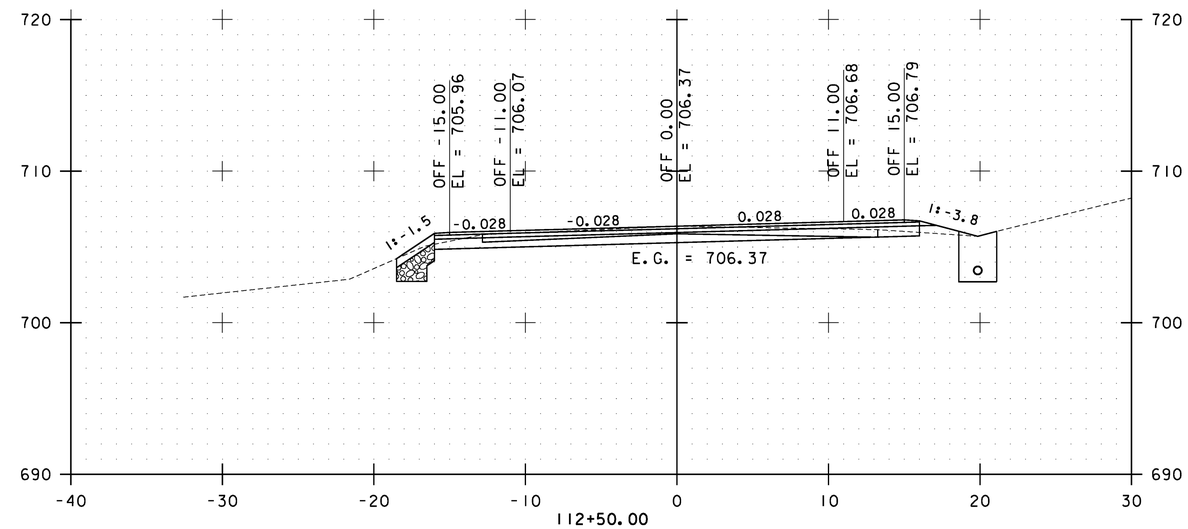
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs46.i

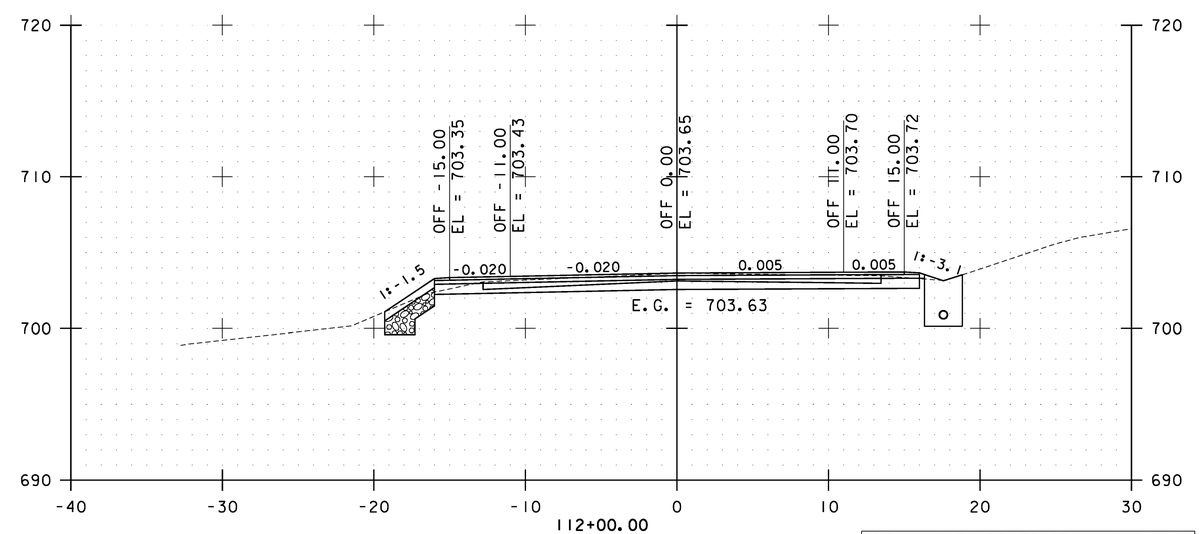
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 316 OF 387











STA. 110+50.00 TO STA. 112+50.00

0 10 20
SCALE

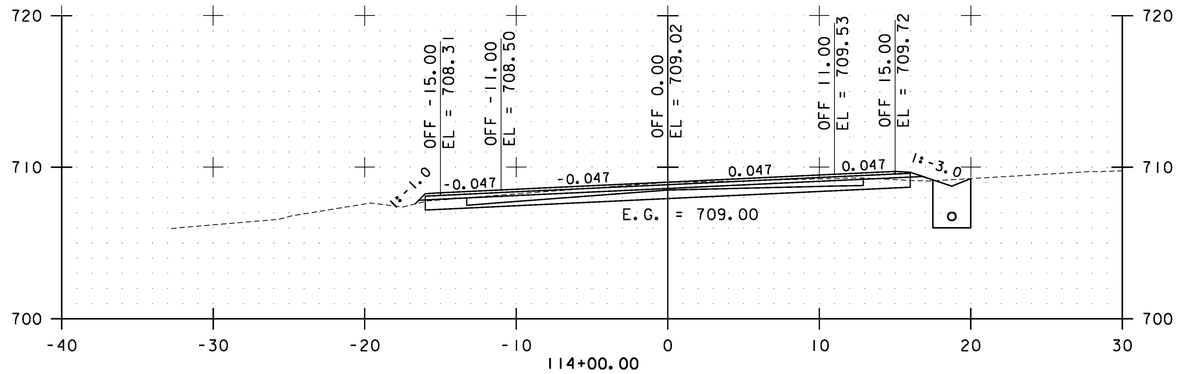
Stantec

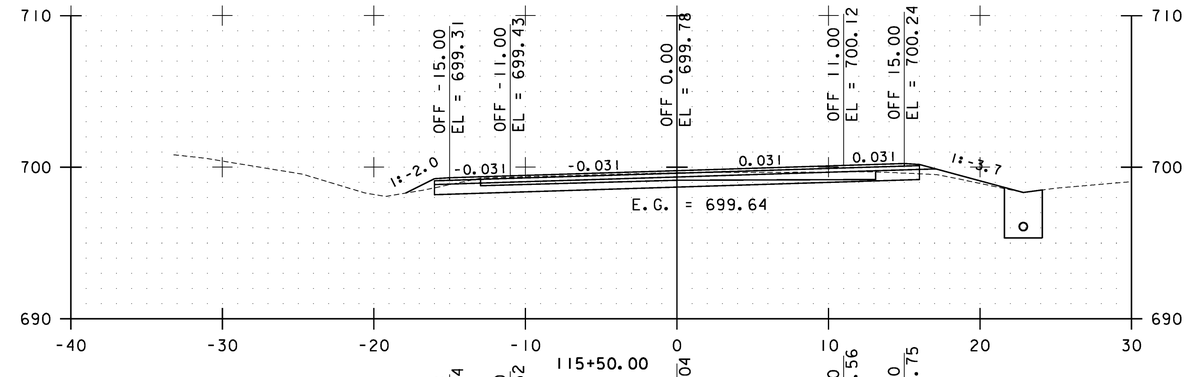
BAKERSFIELD CROSS SECTIONS SHEET #47

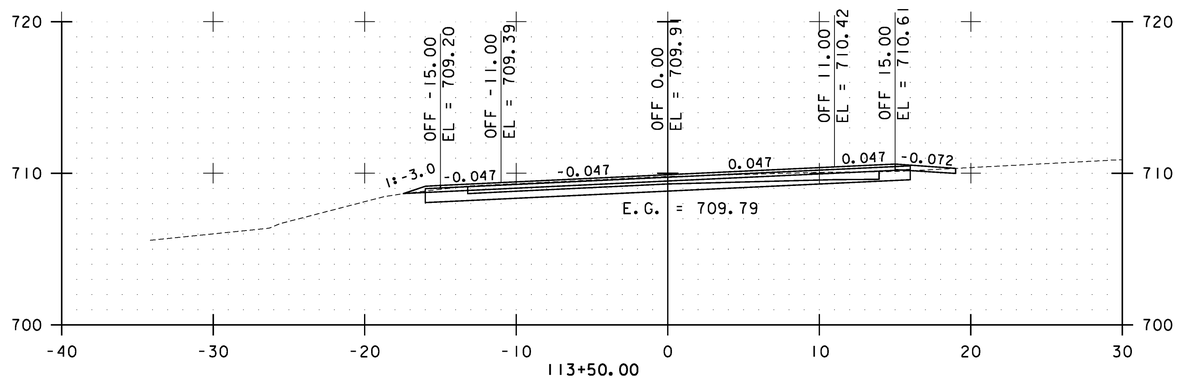
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

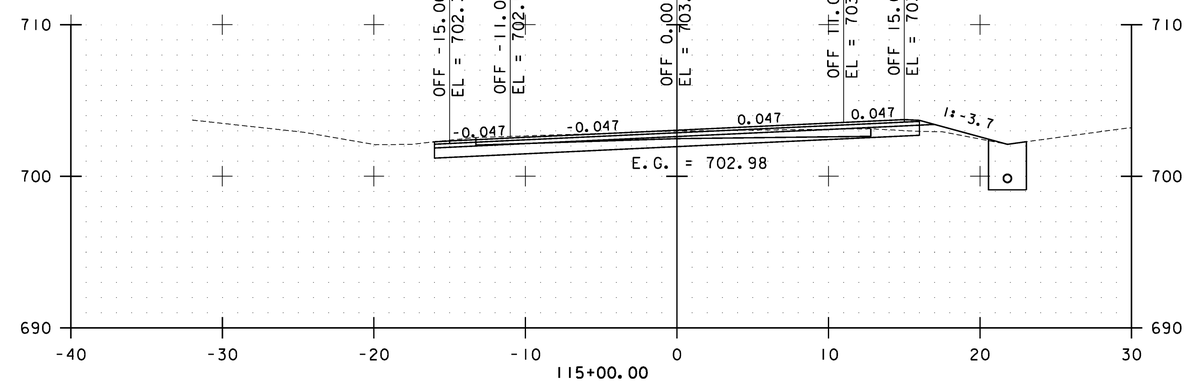
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs47.i

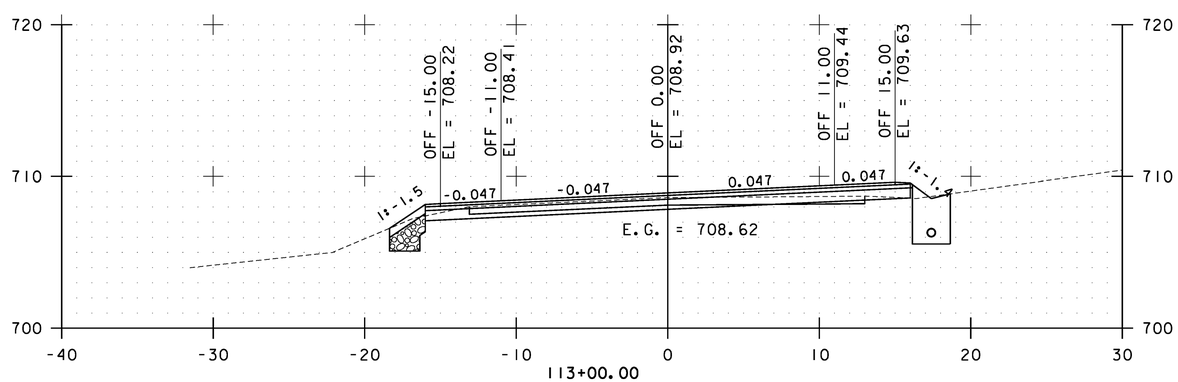
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 317 OF 387

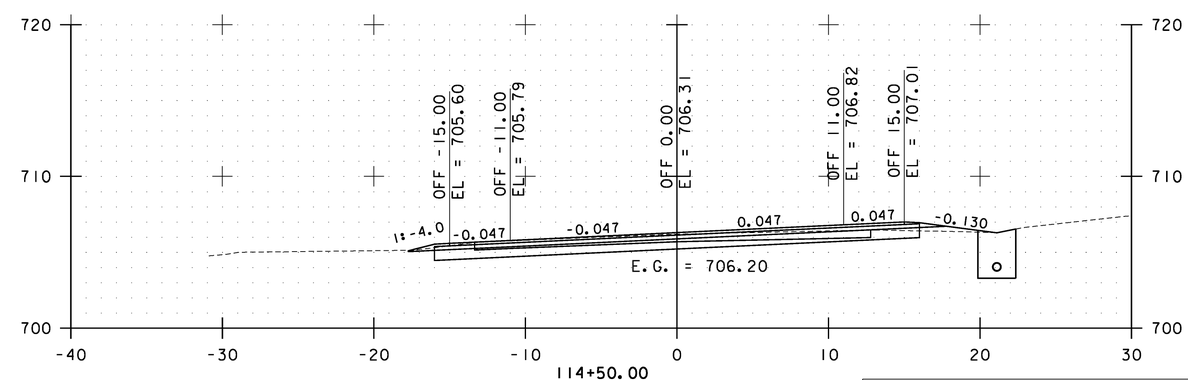












STA. 113+00.00 TO STA. 115+50.00

0 10 20
SCALE

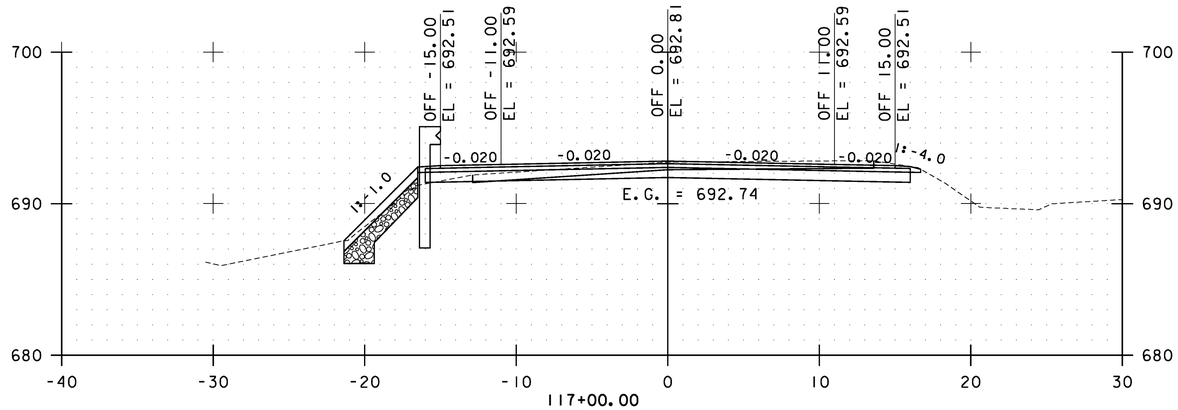
Stantec

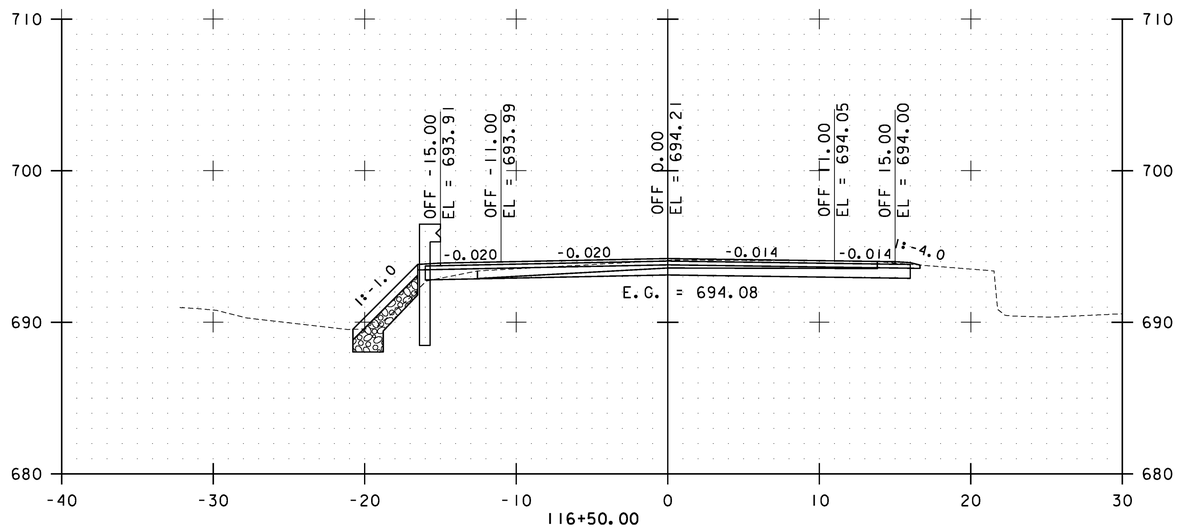
BAKERSFIELD CROSS SECTIONS SHEET #48

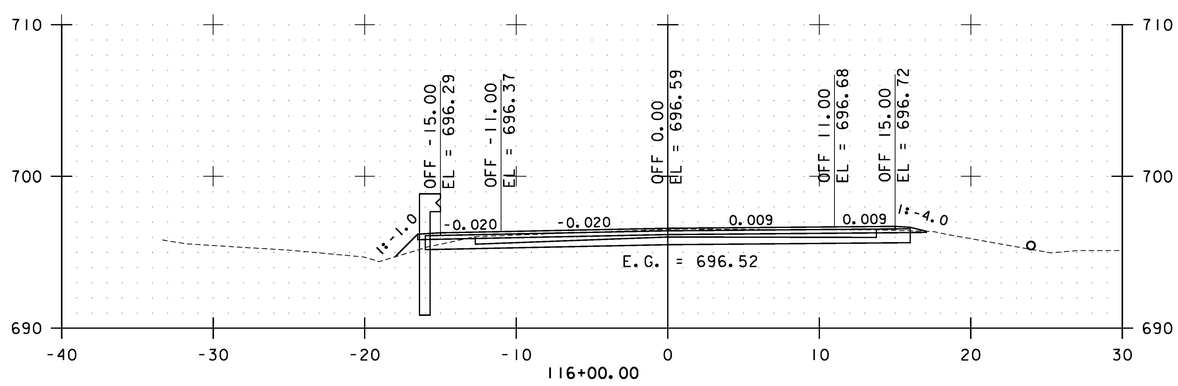
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

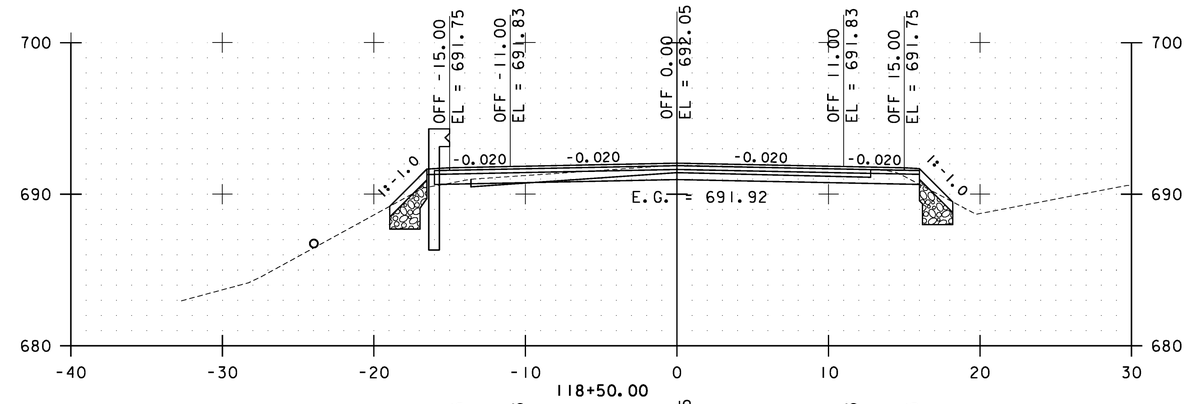
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs48.i

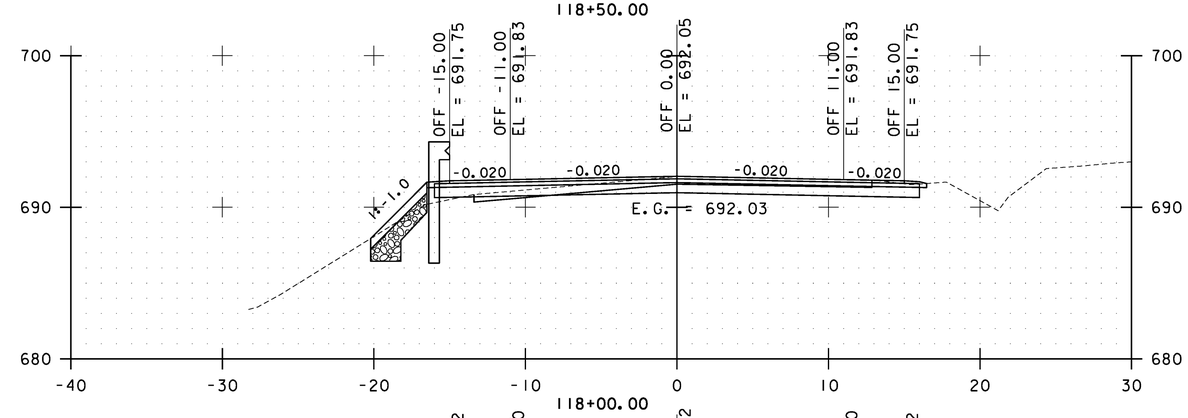
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 318 OF 387

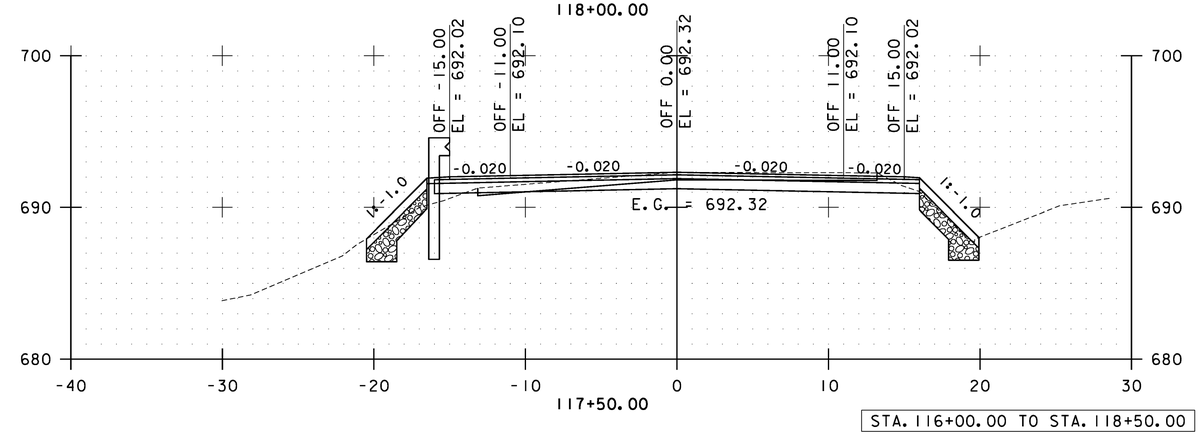












STA. 116+00.00 TO STA. 118+50.00

0 10 20
SCALE

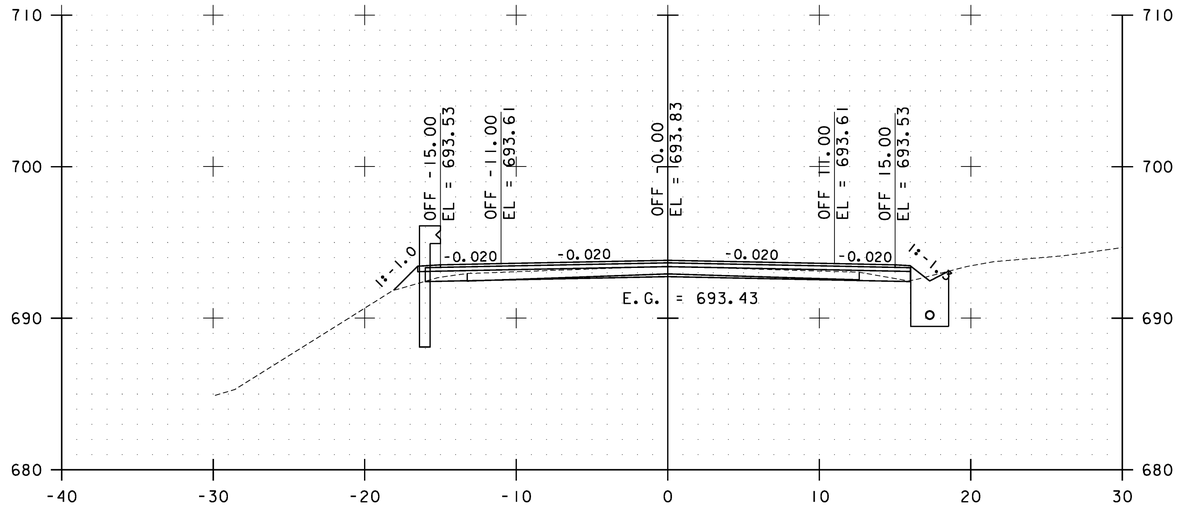
Stantec

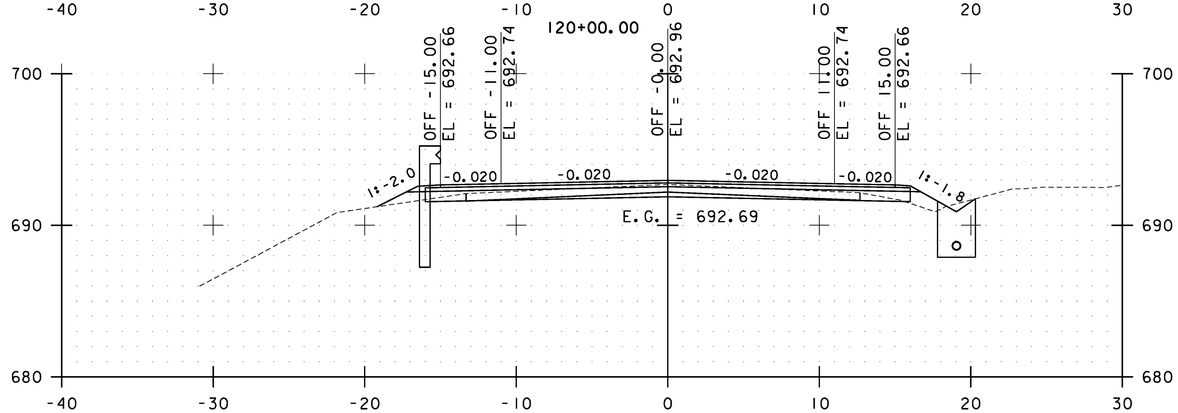
BAKERSFIELD CROSS SECTIONS SHEET #49

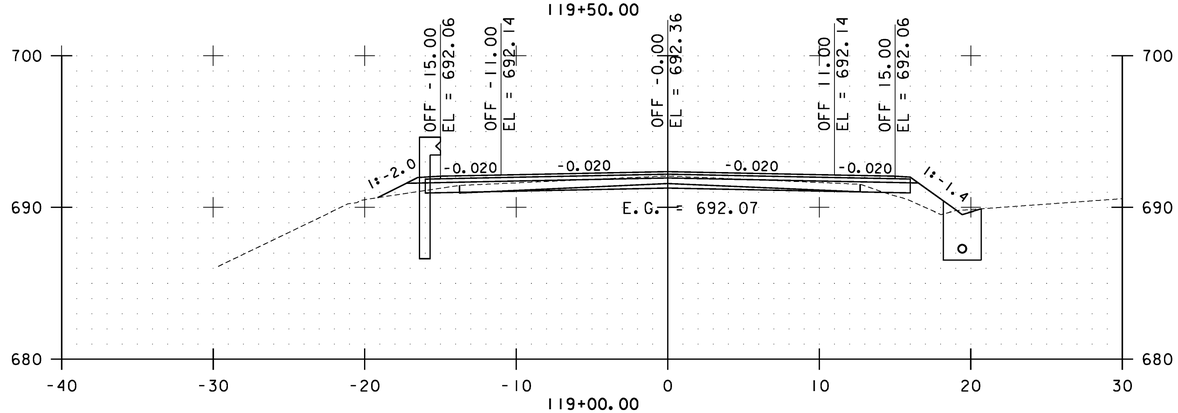
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

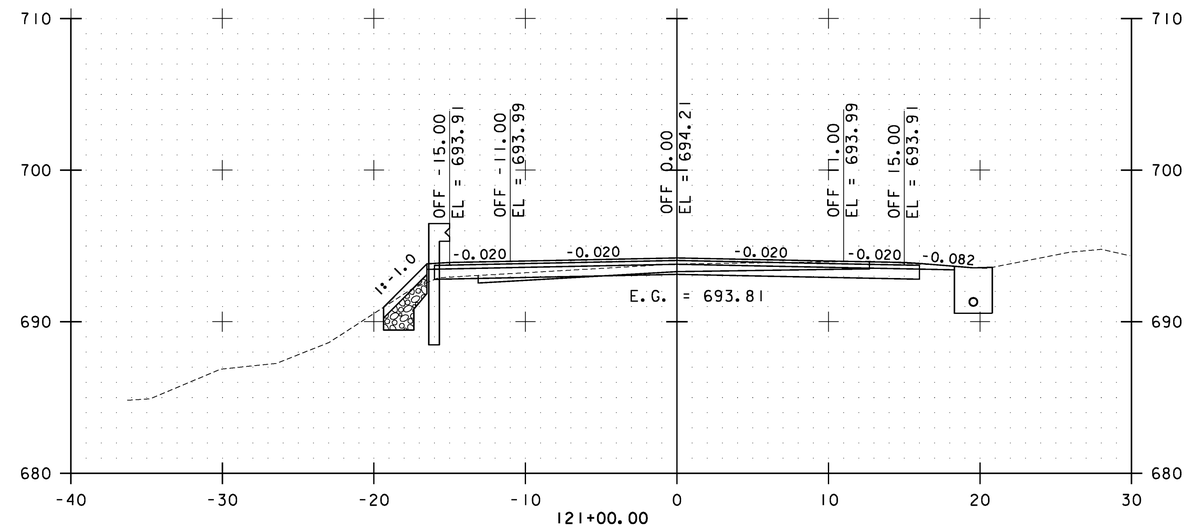
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs49.i

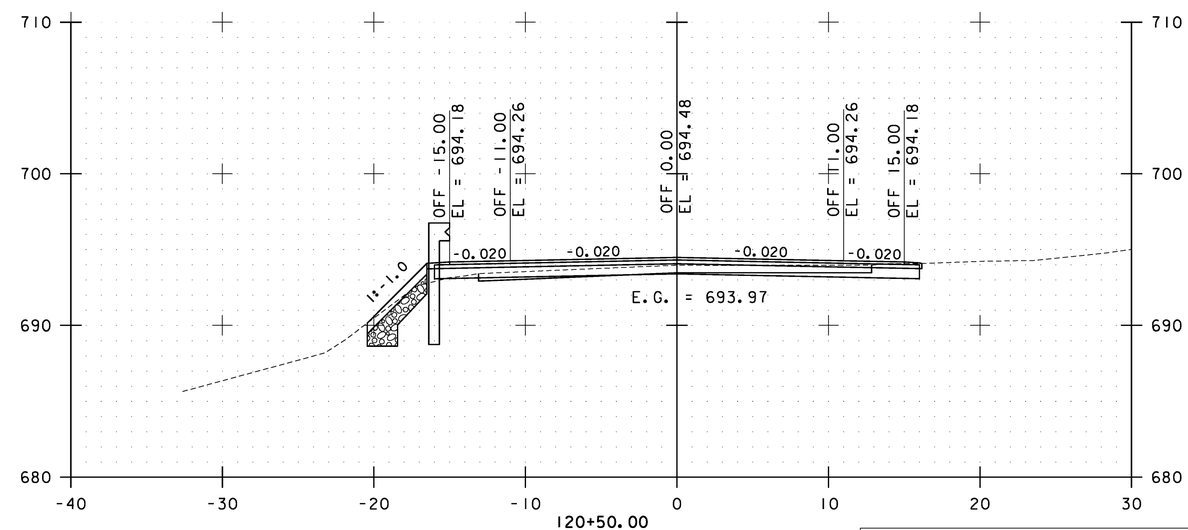
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 319 OF 387











STA. 119+00.00 TO STA. 121+00.00

0 10 20
SCALE

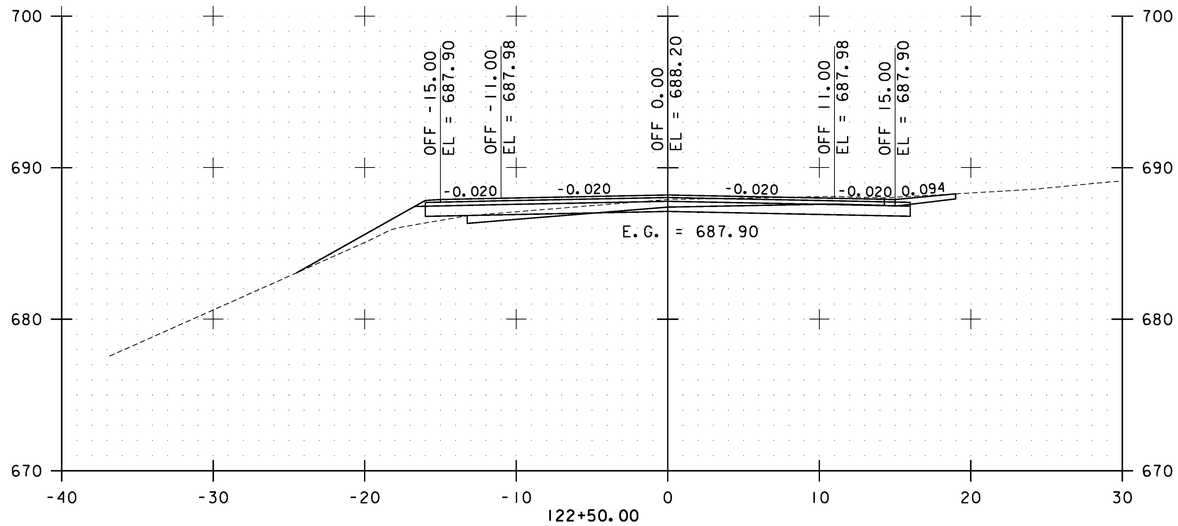
Stantec

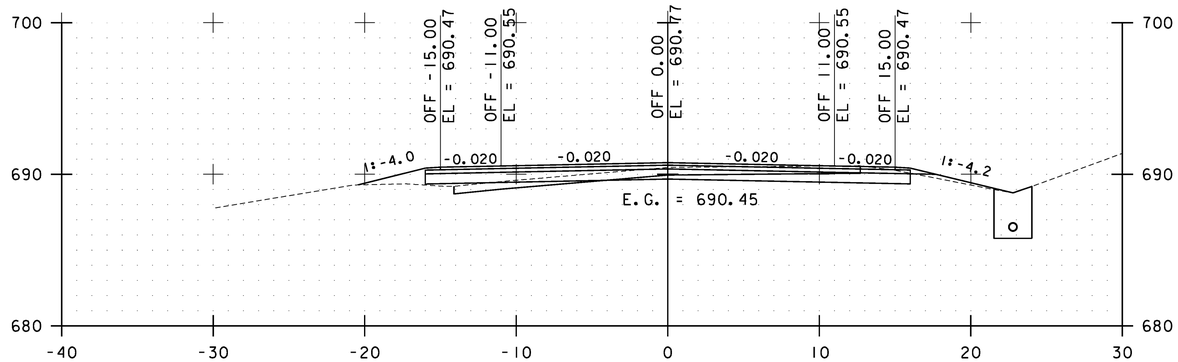
BAKERSFIELD CROSS SECTIONS SHEET #50

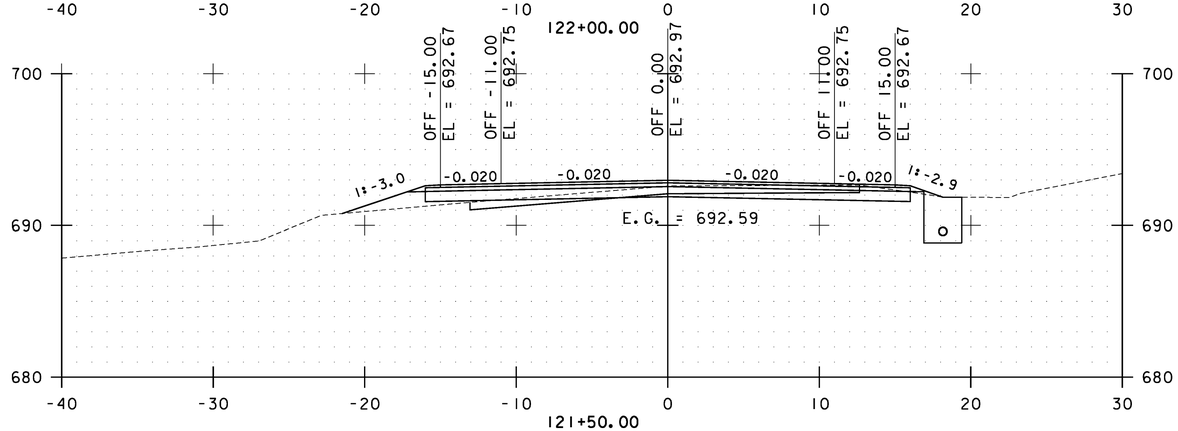
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

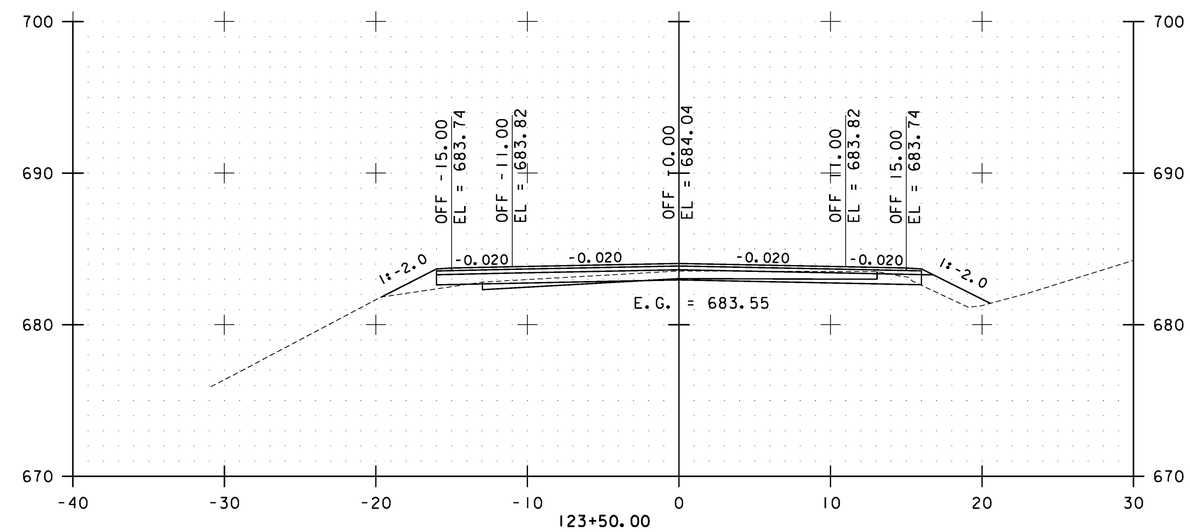
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs50.i

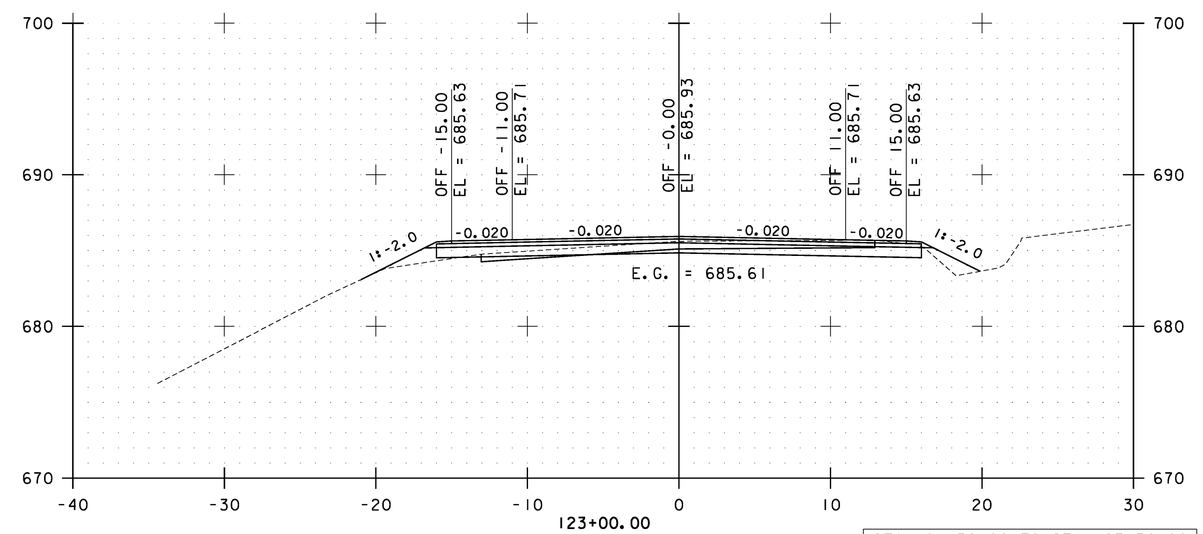
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 320 OF 387











STA. 121+50.00 TO STA. 123+50.00

0 10 20
SCALE

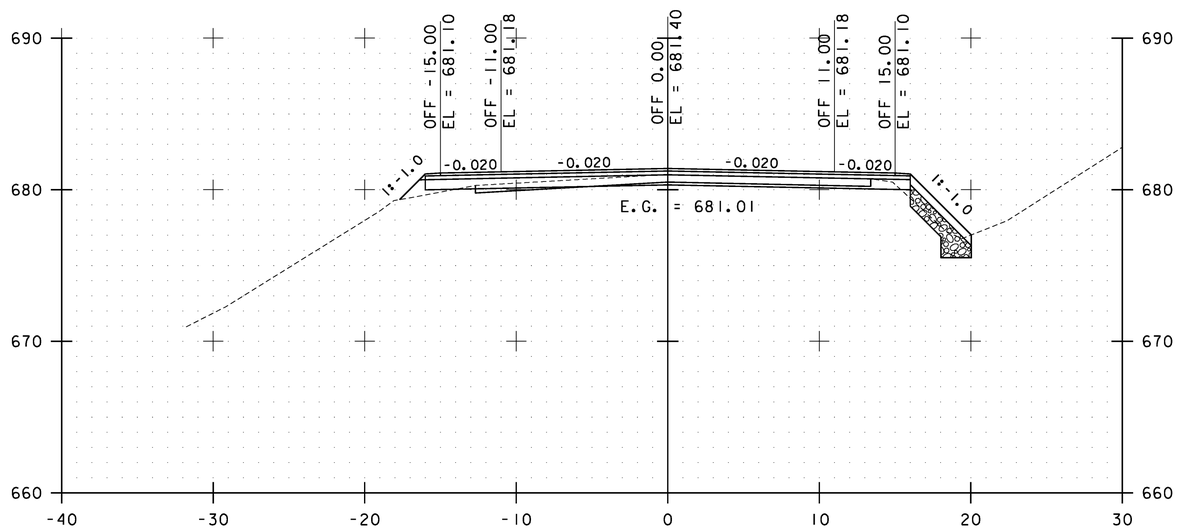
Stantec

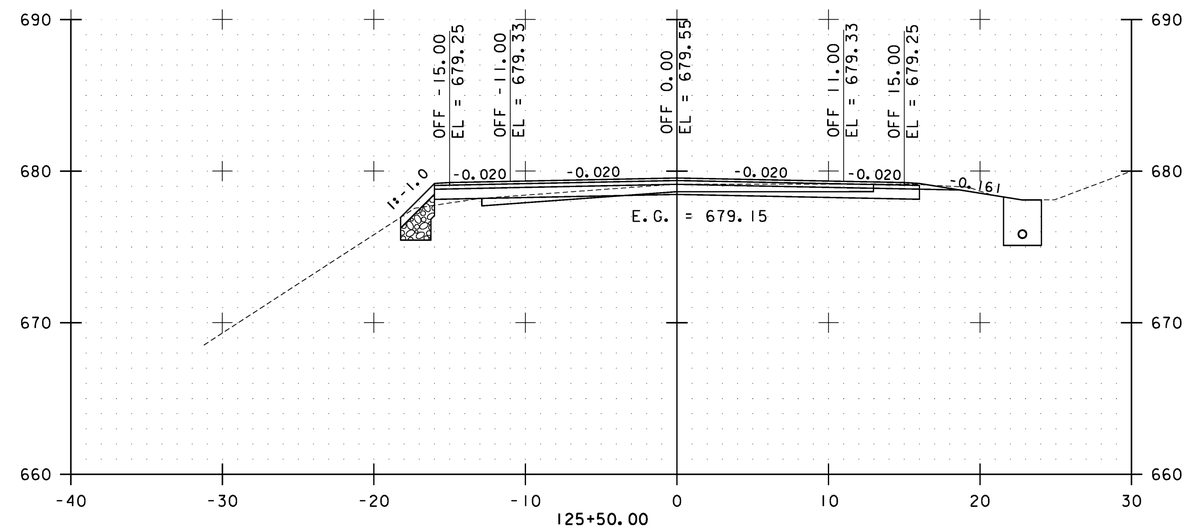
BAKERSFIELD CROSS SECTIONS SHEET #51

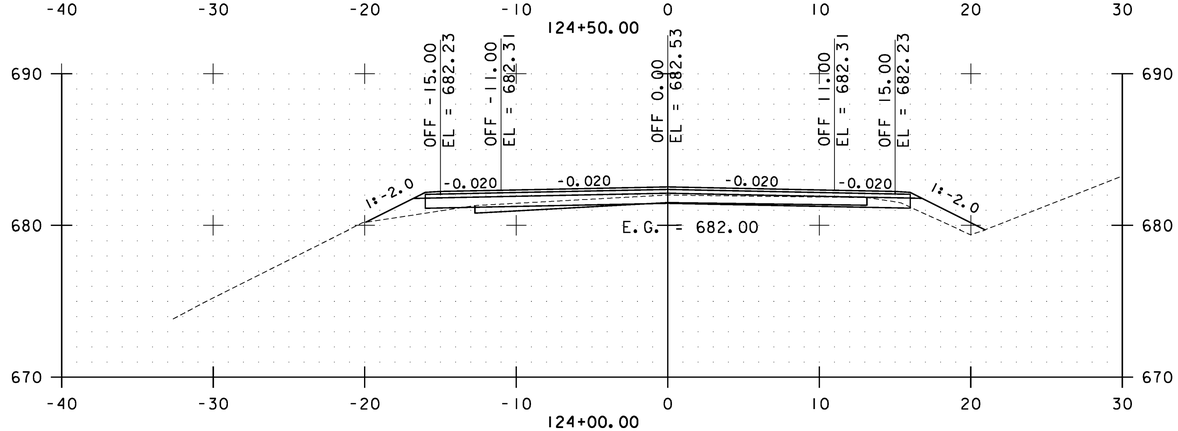
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

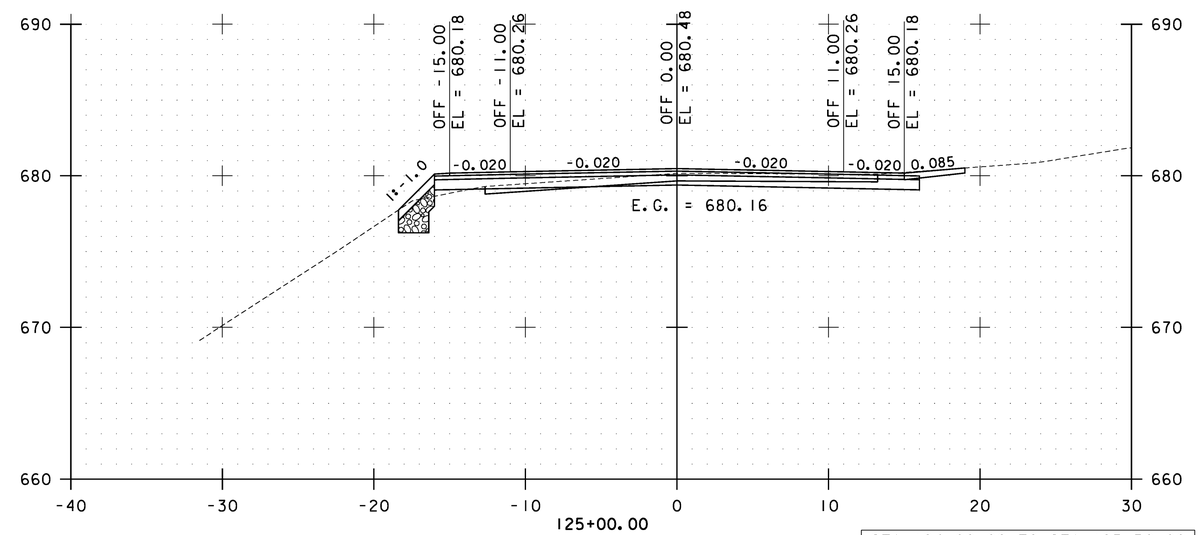
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs51.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 321 OF 387









STA. 124+00.00 TO STA. 125+50.00

0 10 20
SCALE

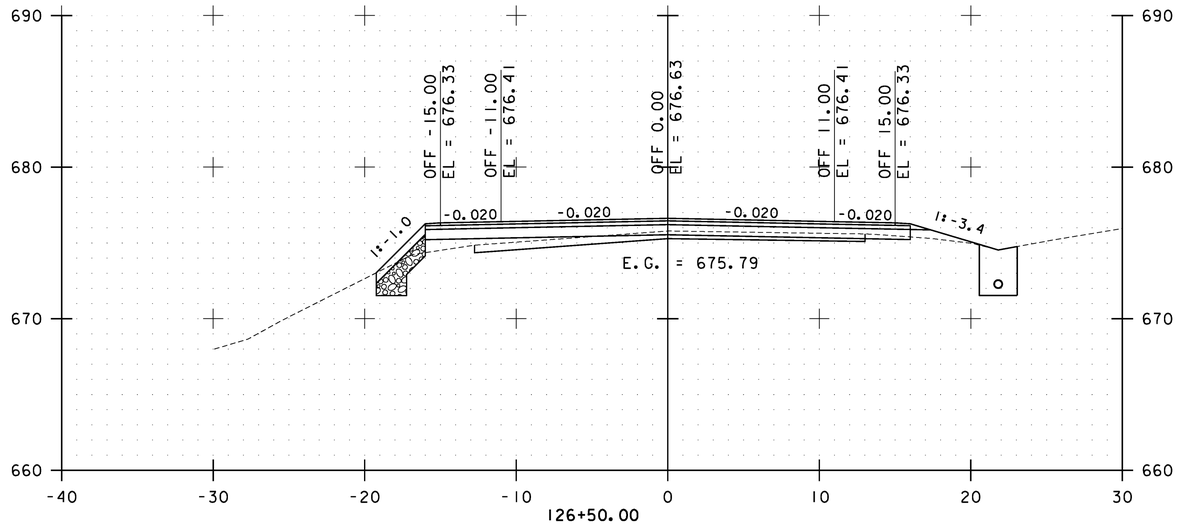
Stantec

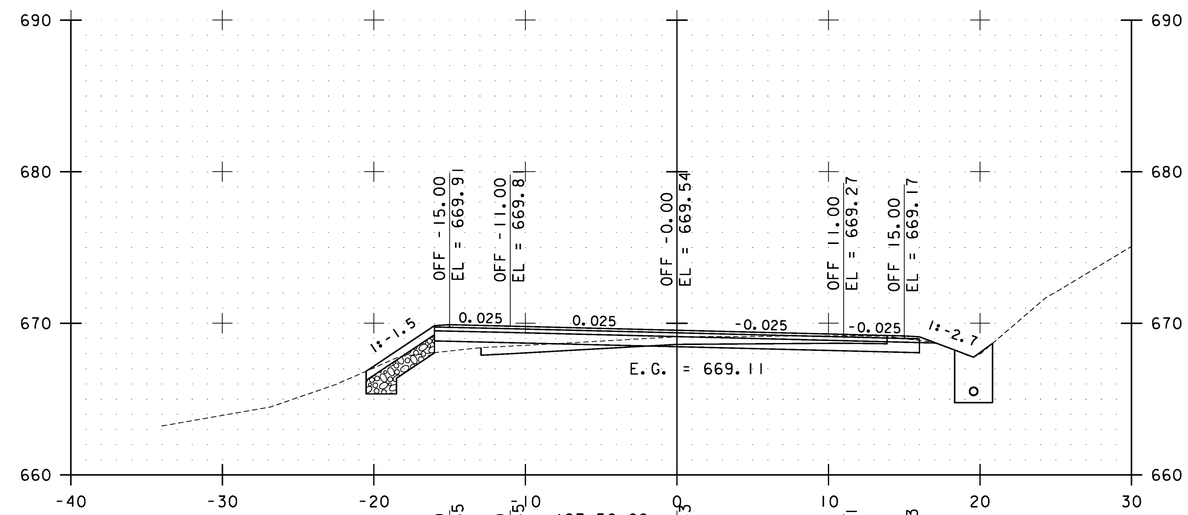
BAKERSFIELD CROSS SECTIONS SHEET #52

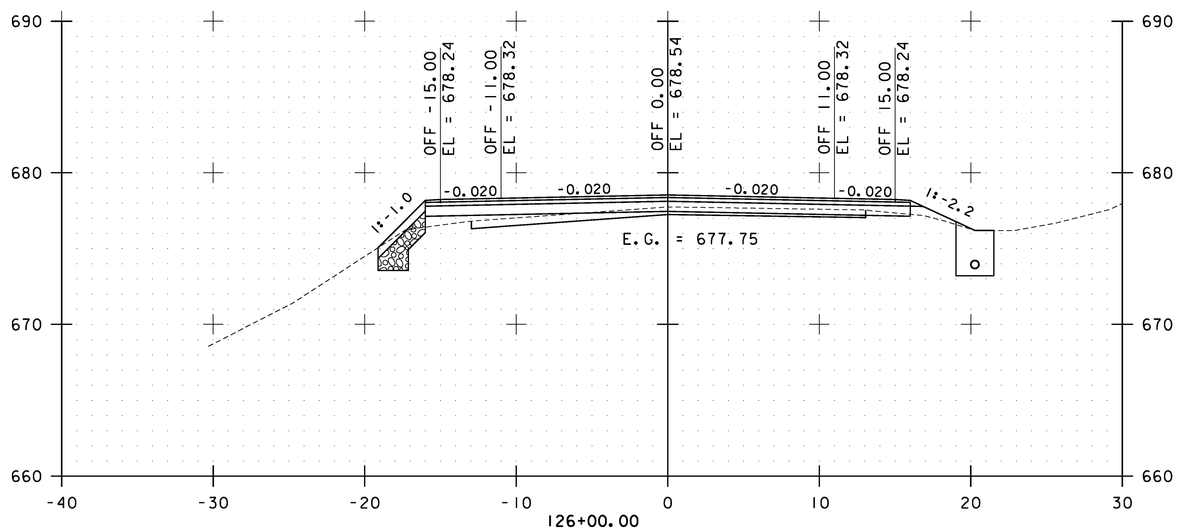
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(I)

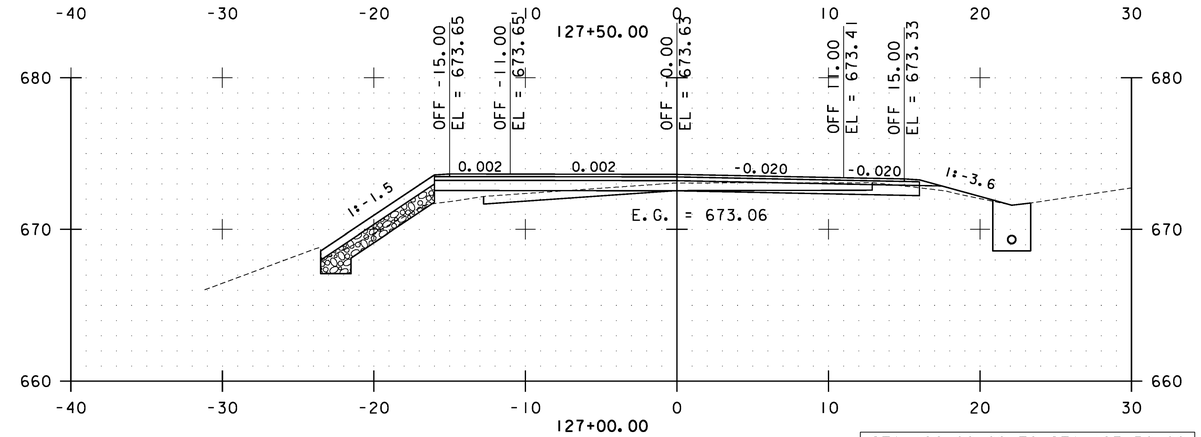
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs52.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 322 OF 387









STA. 126+00.00 TO STA. 127+50.00

0 10 20
SCALE

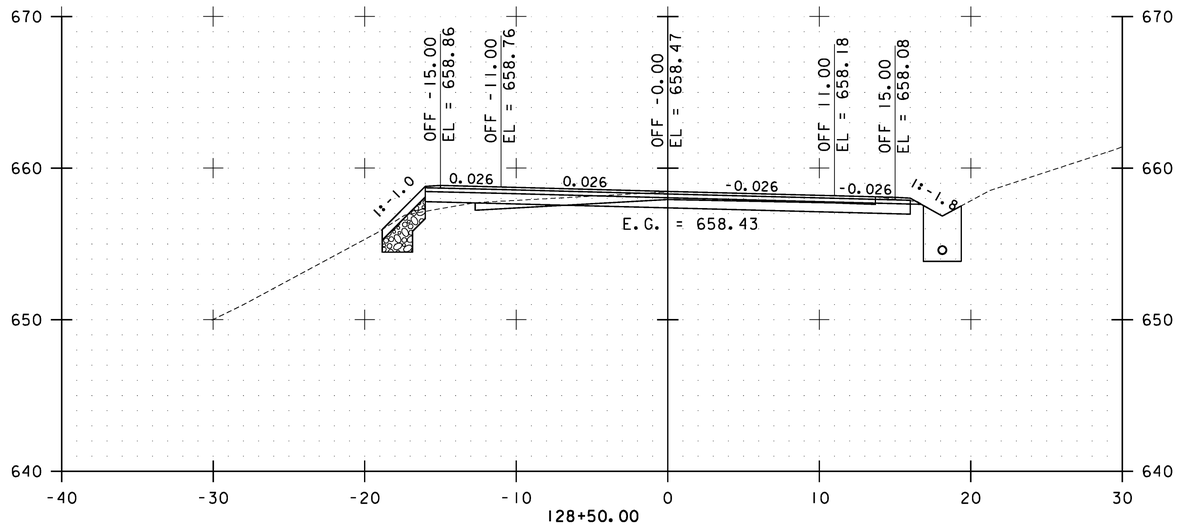
Stantec

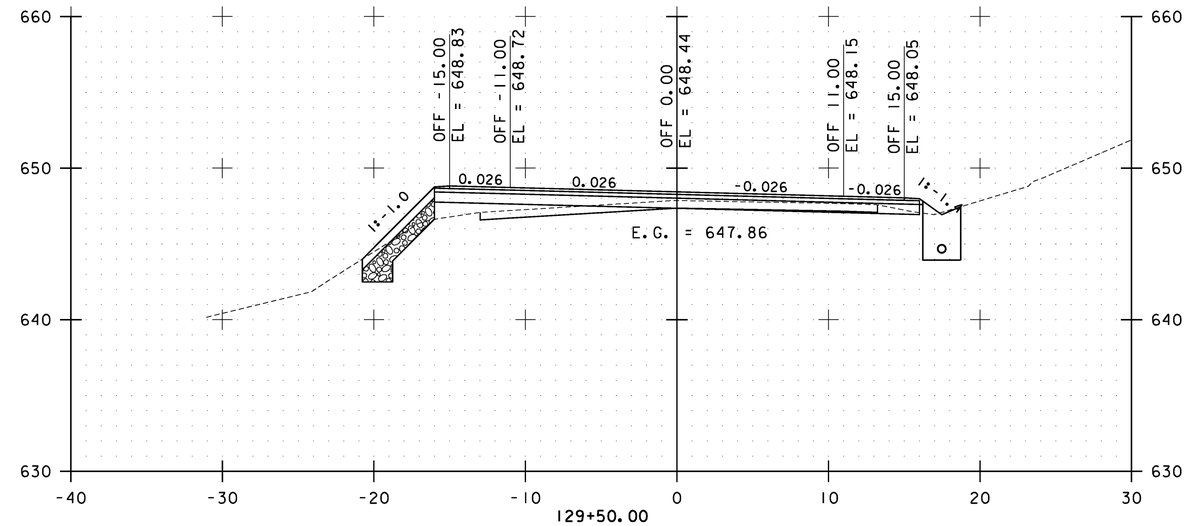
BAKERSFIELD CROSS SECTIONS SHEET #53

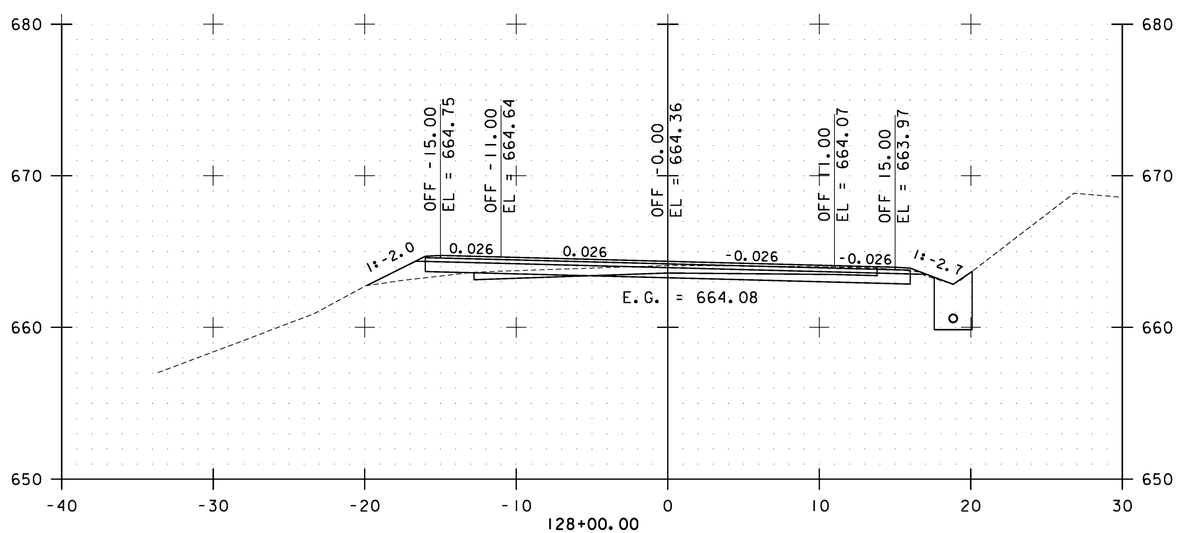
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

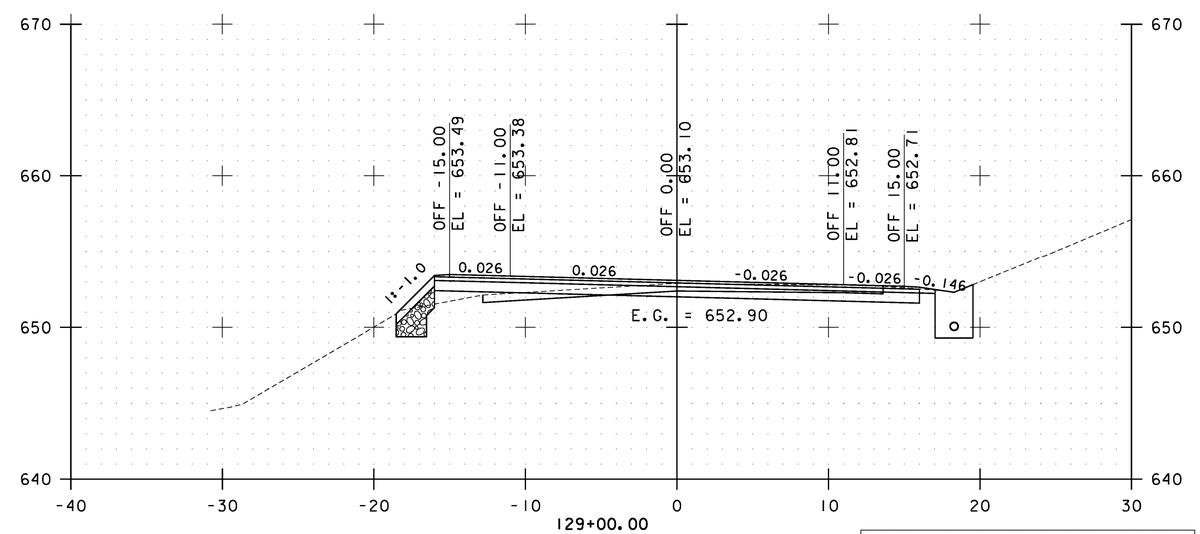
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs53.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 323 OF 387









STA. 128+00.00 TO STA. 129+50.00

0 10 20
SCALE

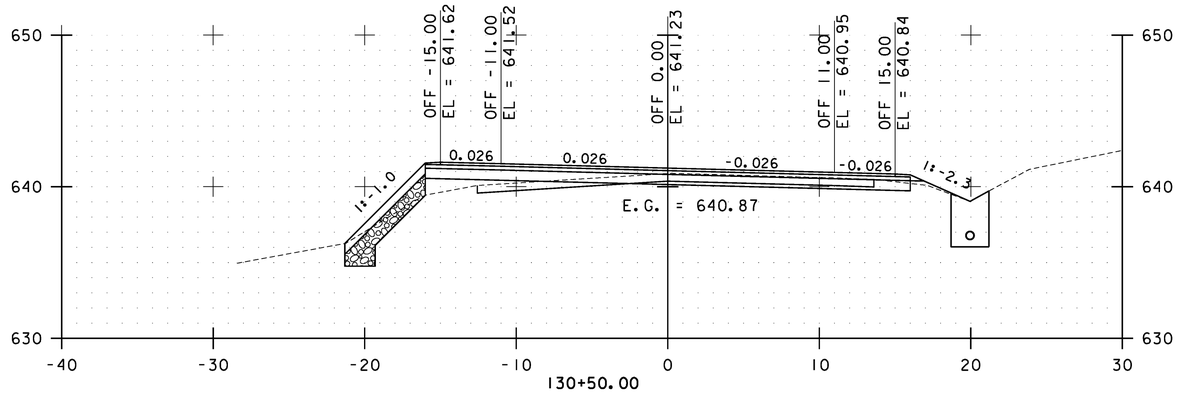
Stantec

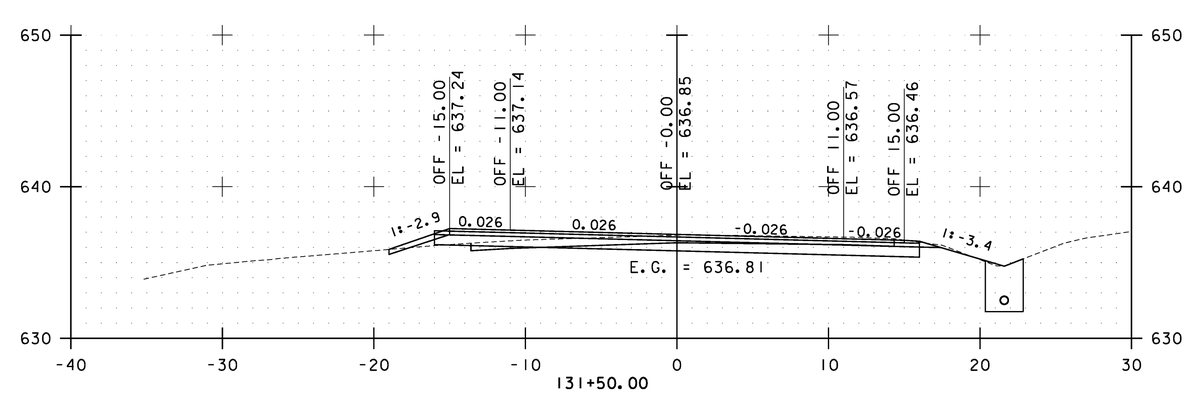
BAKERSFIELD CROSS SECTIONS SHEET #54

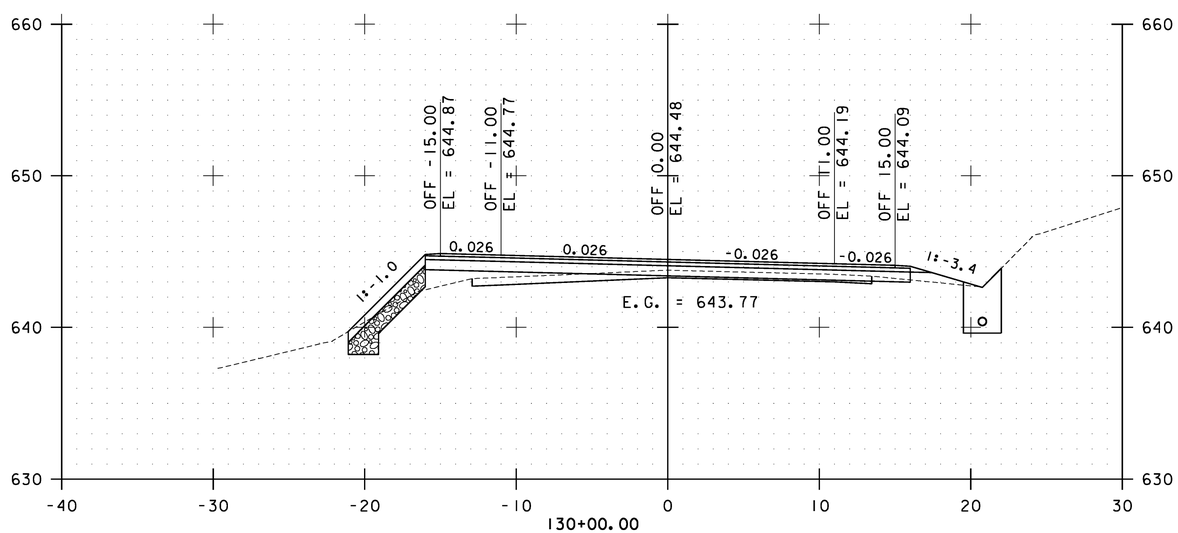
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

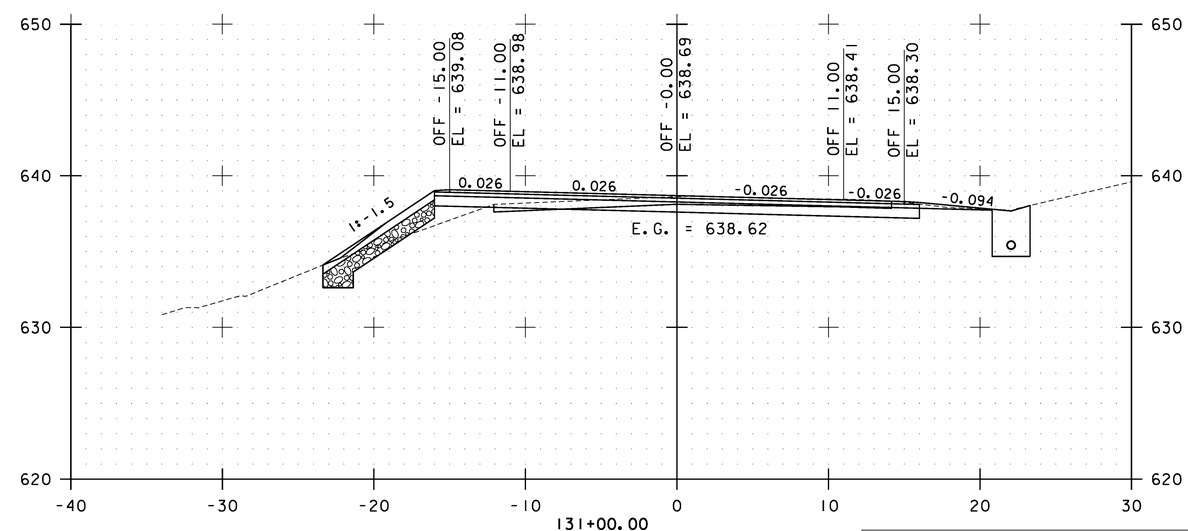
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs54.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 324 OF 387









STA. 130+00.00 TO STA. 131+50.00

0 10 20
SCALE

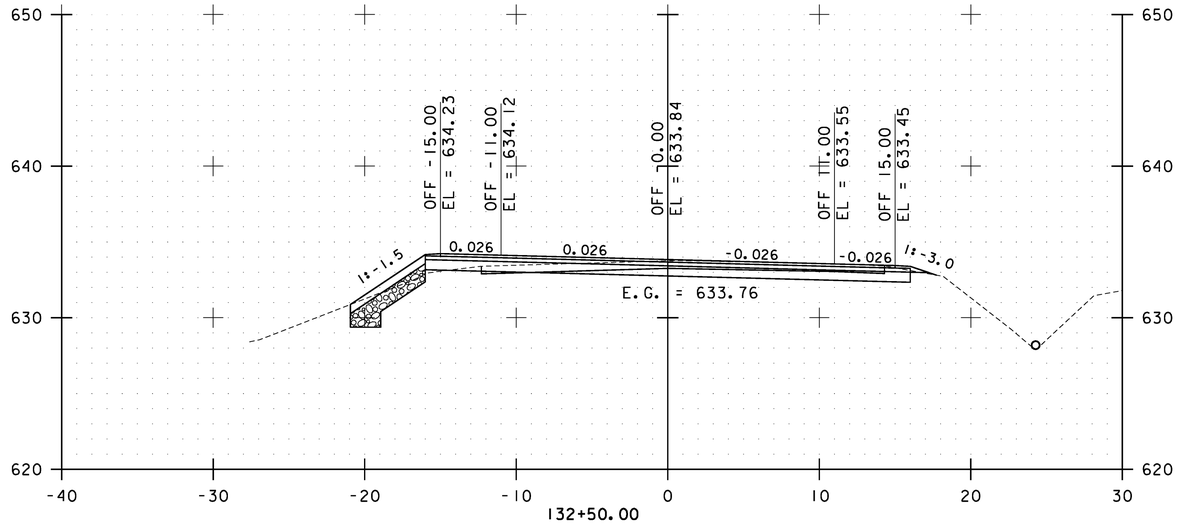
Stantec

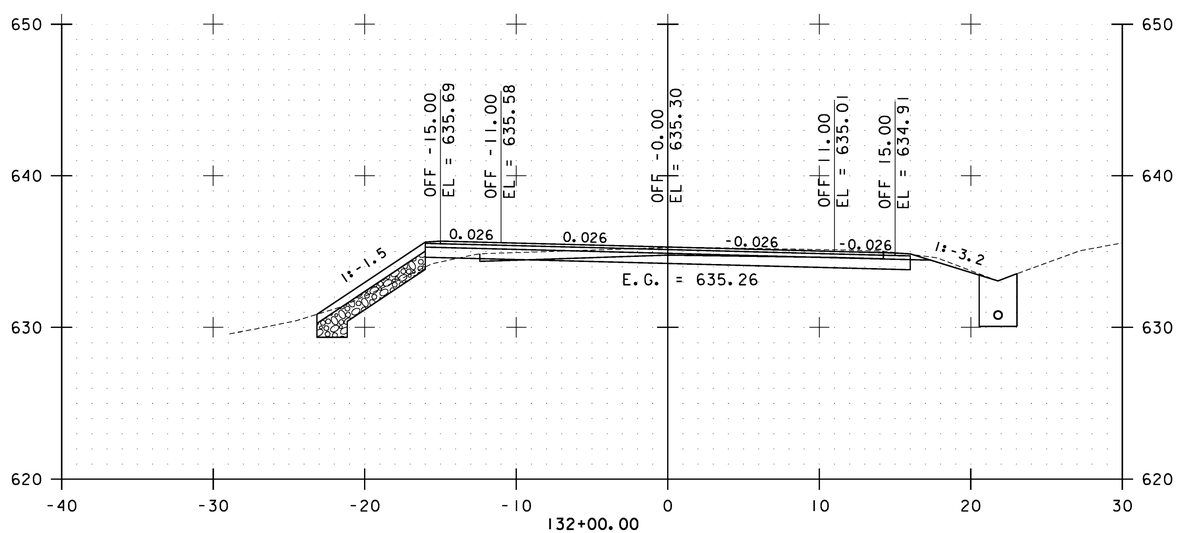
BAKERSFIELD CROSS SECTIONS SHEET #55

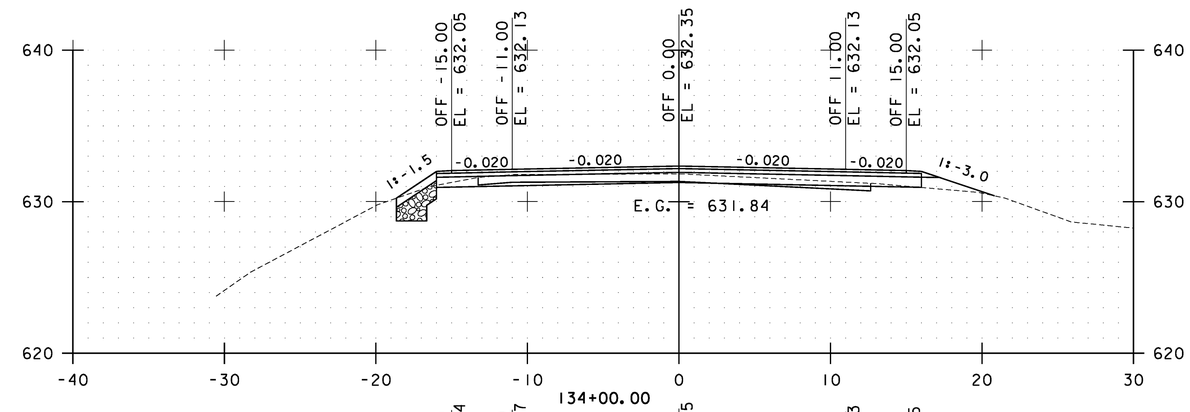
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

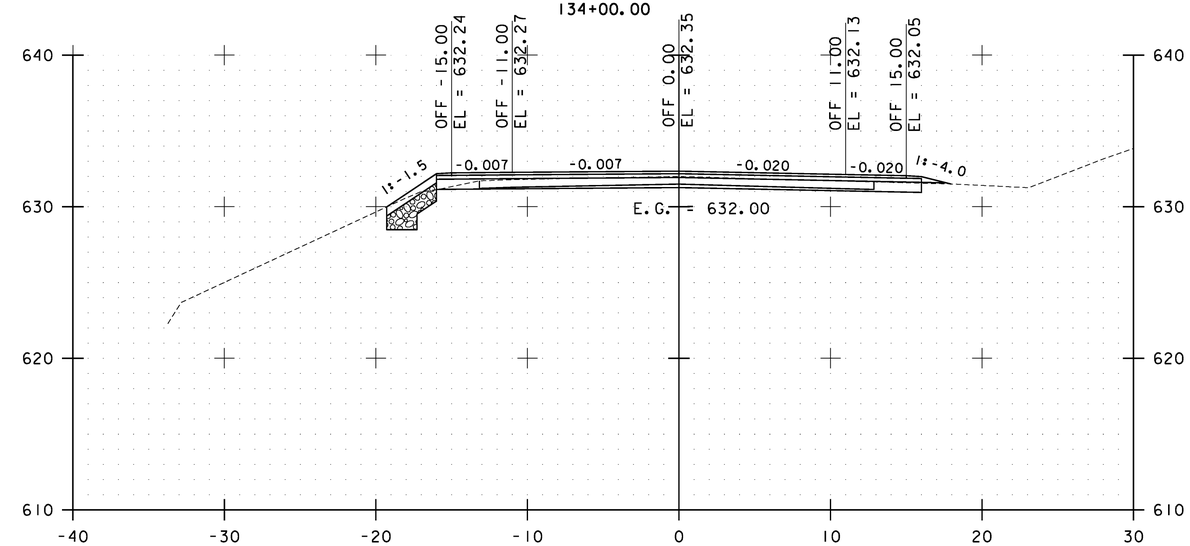
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs55.i

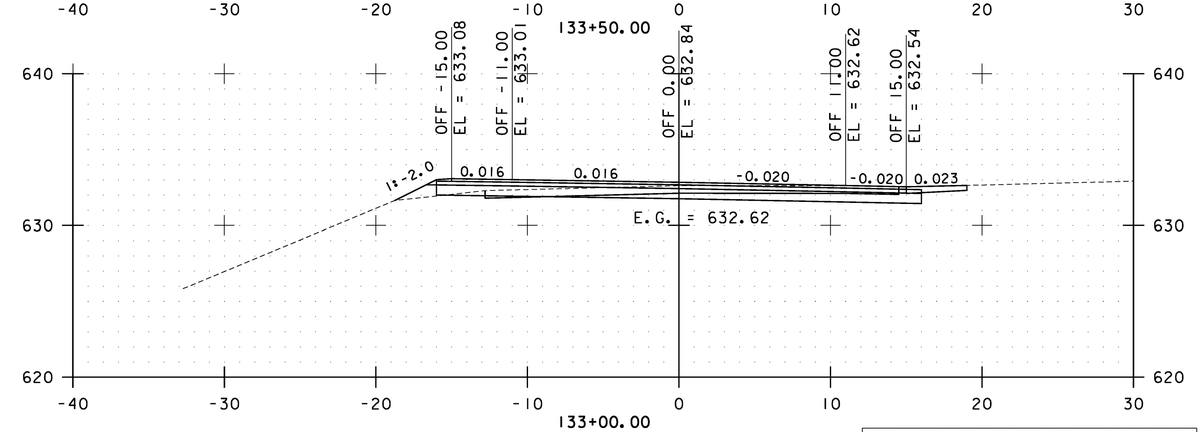
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 325 OF 387











STA. 132+00.00 TO STA. 134+00.00

0 10 20
SCALE

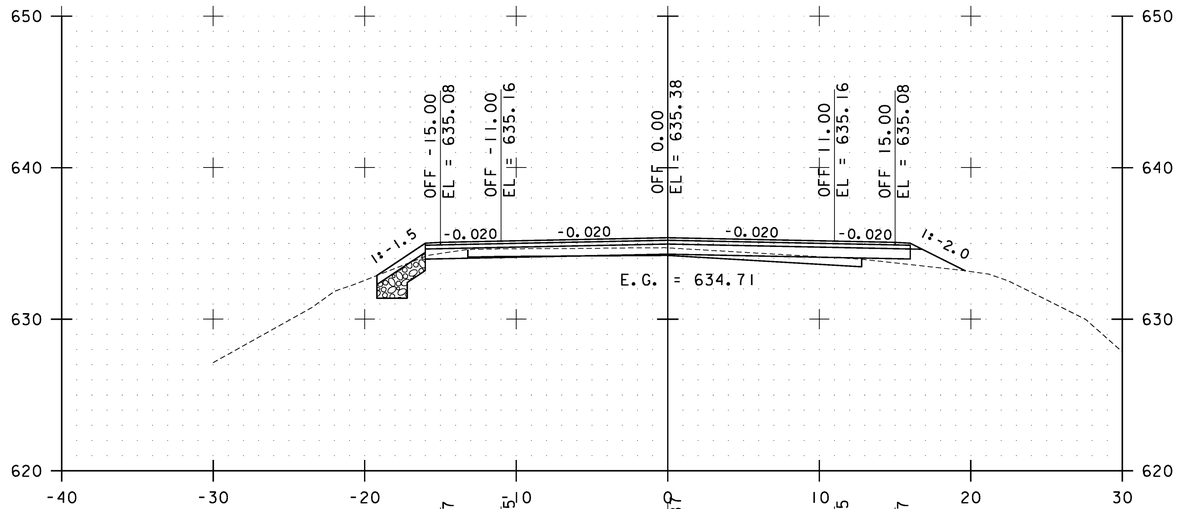
Stantec

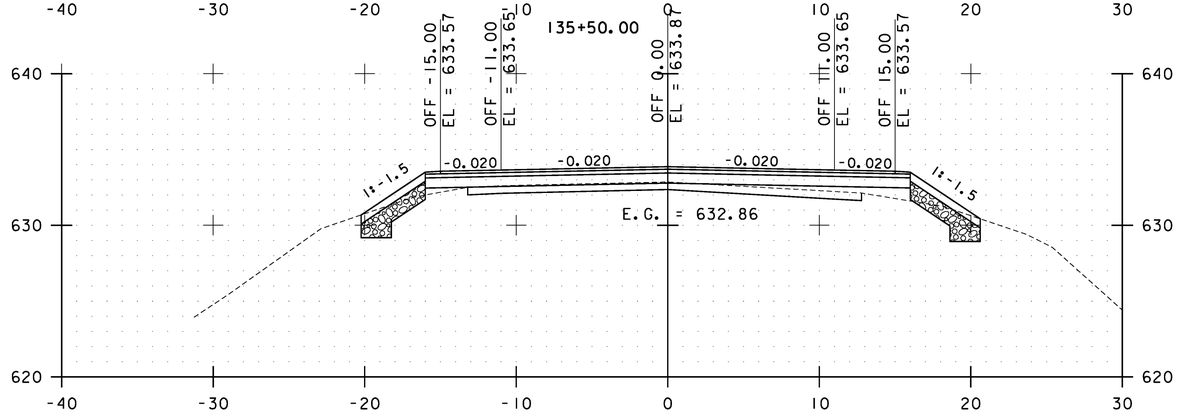
BAKERSFIELD CROSS SECTIONS SHEET #56

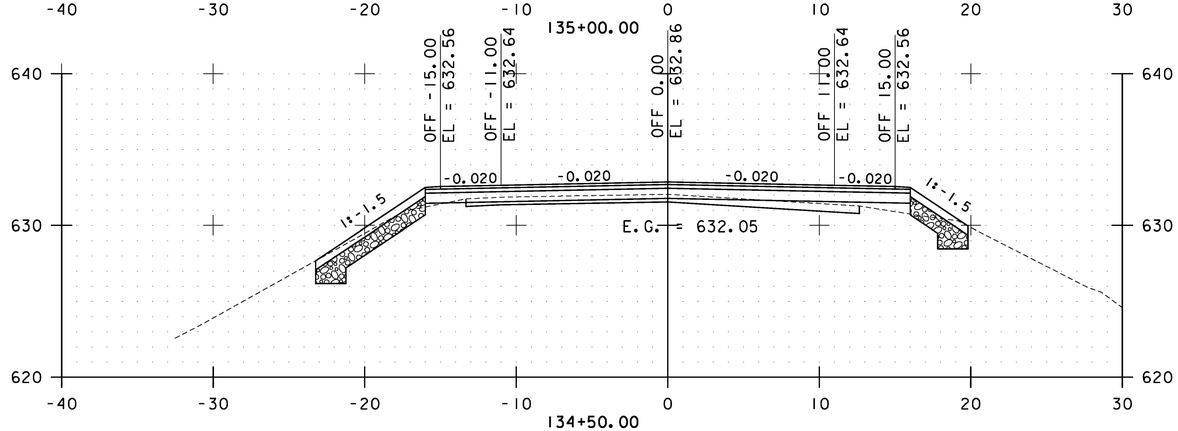
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

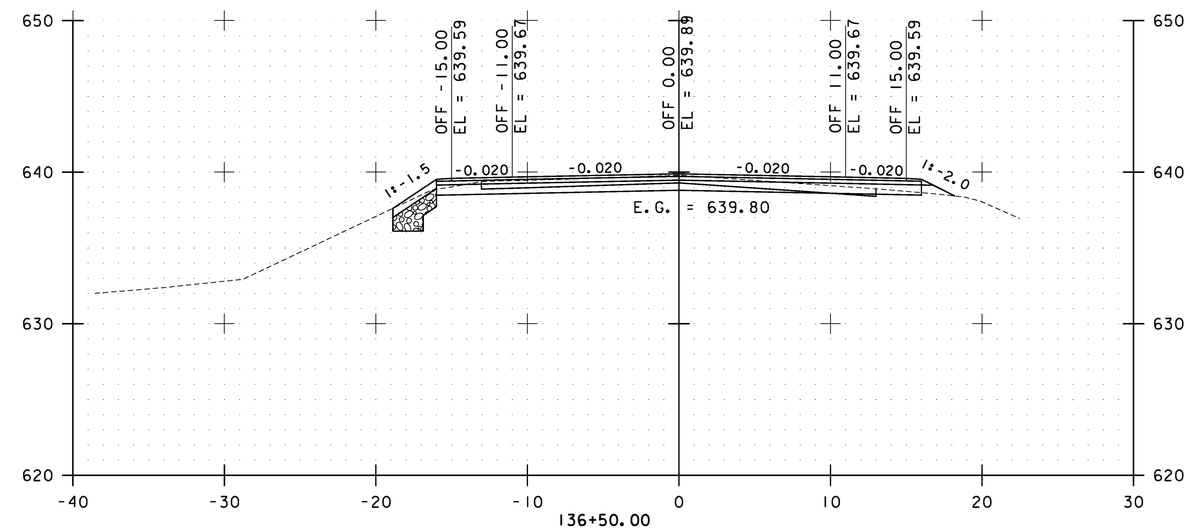
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs56.i

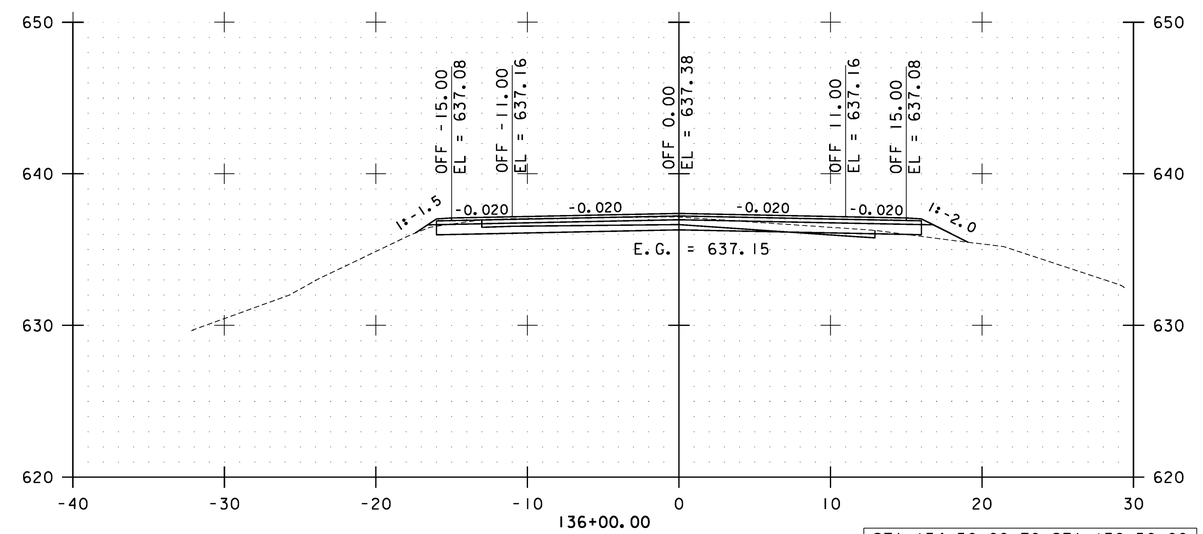
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 326 OF 387











STA. 134+50.00 TO STA. 136+50.00

0 10 20
SCALE

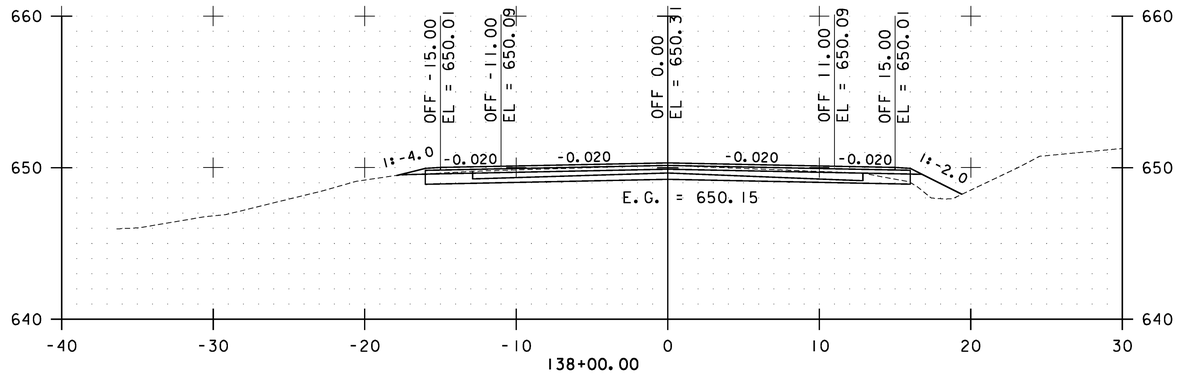
Stantec

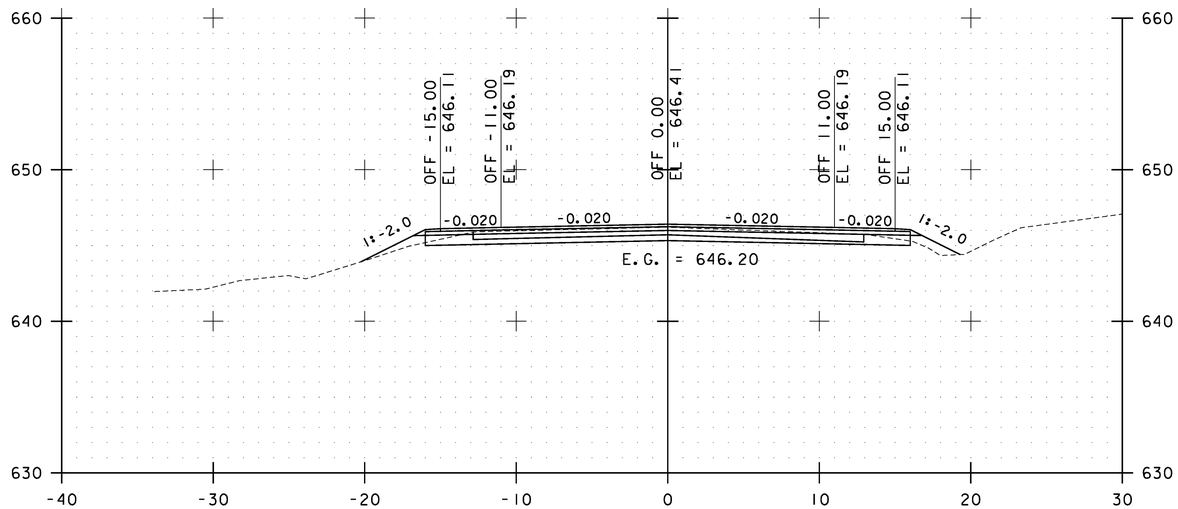
BAKERSFIELD CROSS SECTIONS SHEET #57

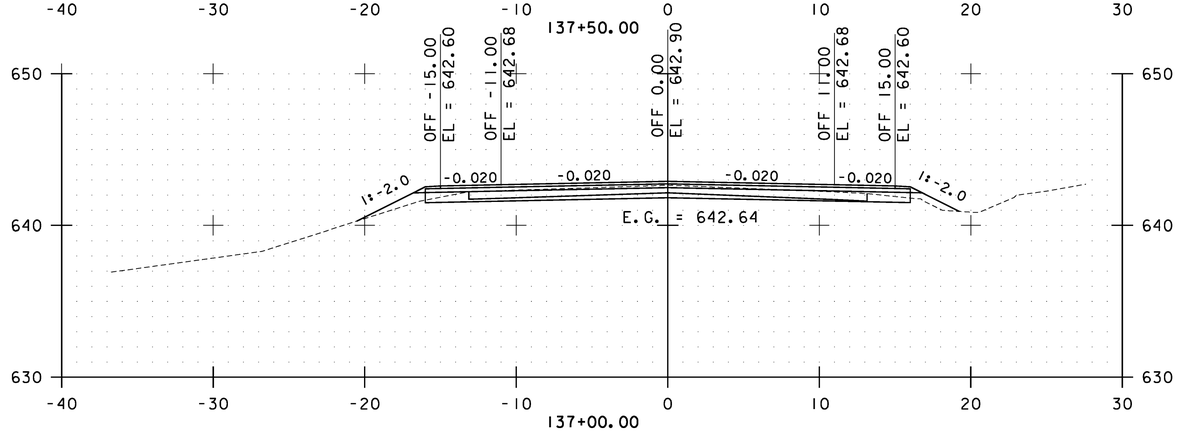
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

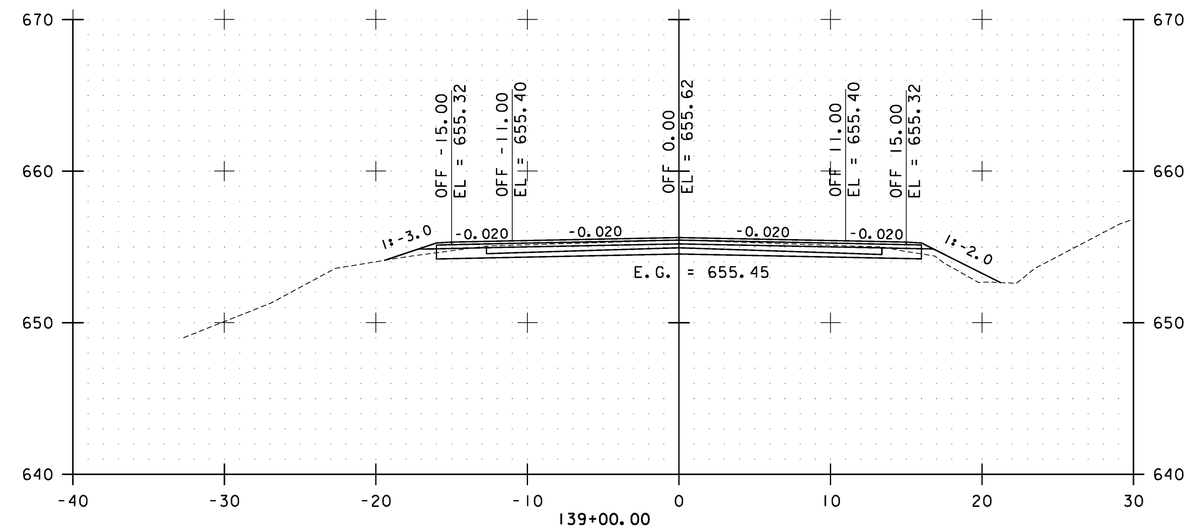
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs57.i

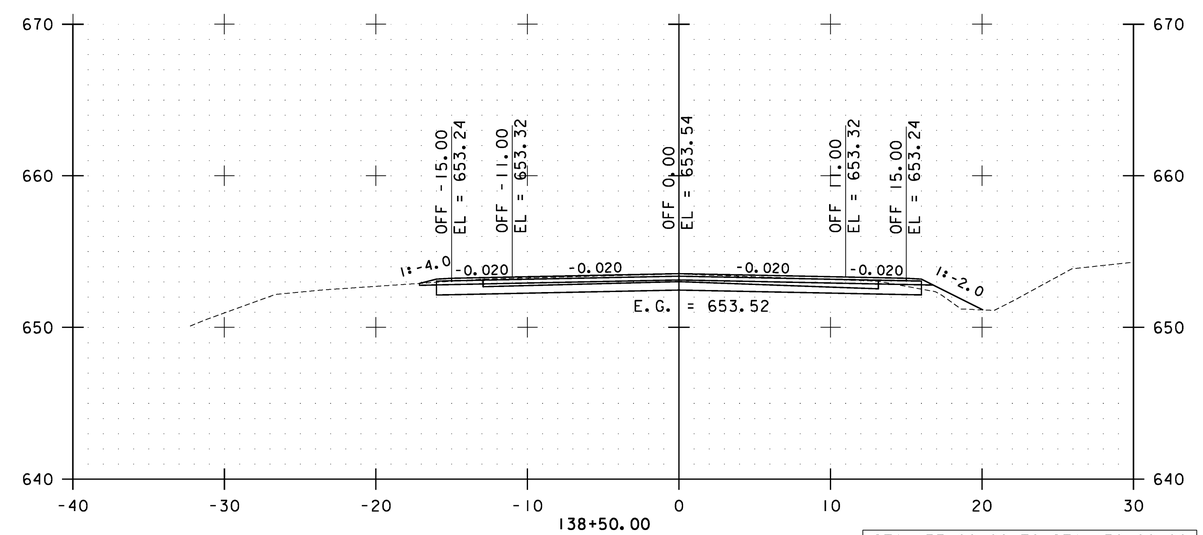
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 327 OF 387











STA. 137+00.00 TO STA. 139+00.00

0 10 20
SCALE

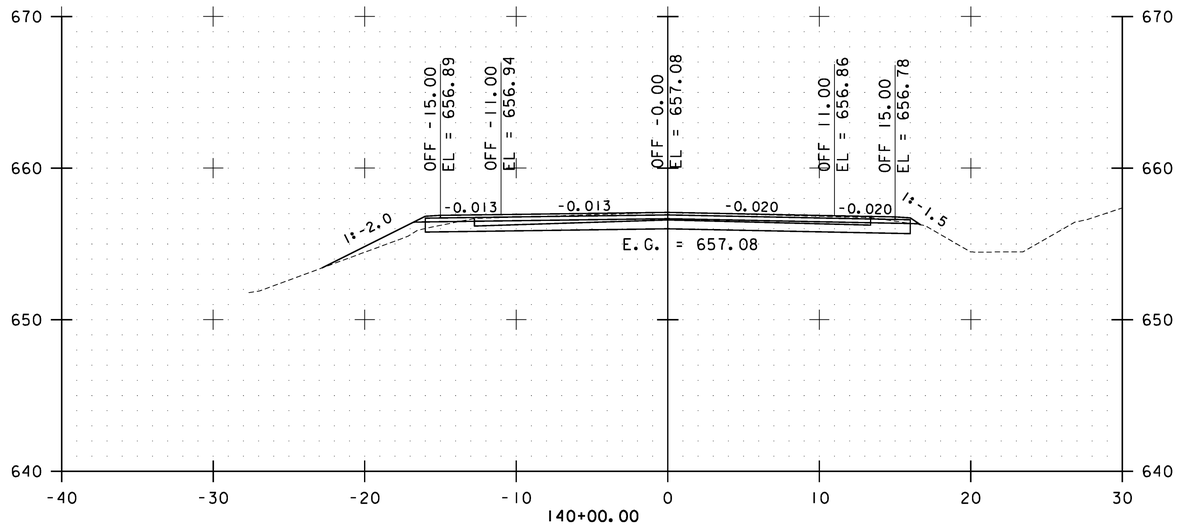
Stantec

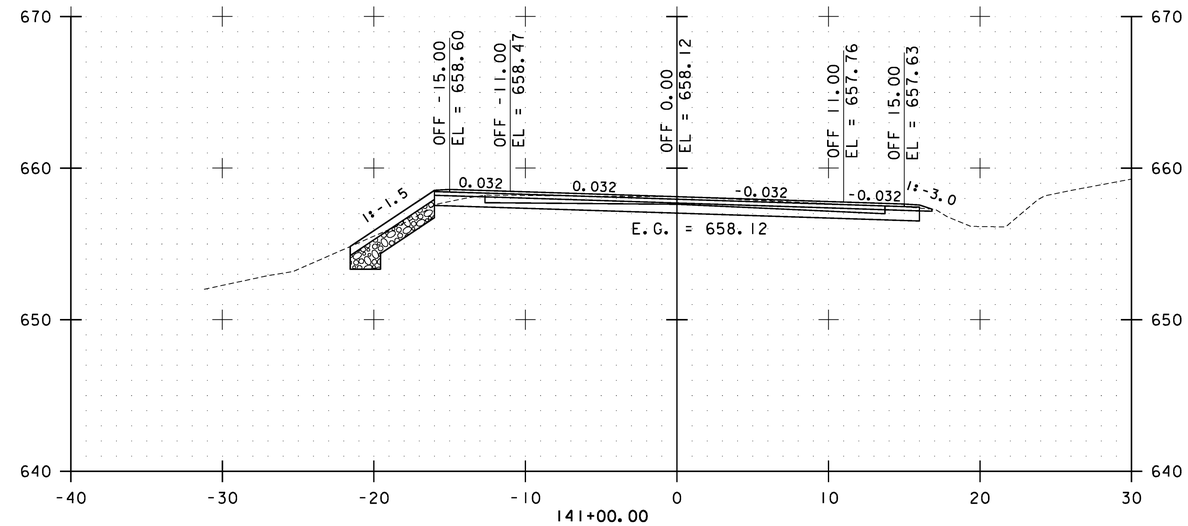
BAKERSFIELD CROSS SECTIONS SHEET #58

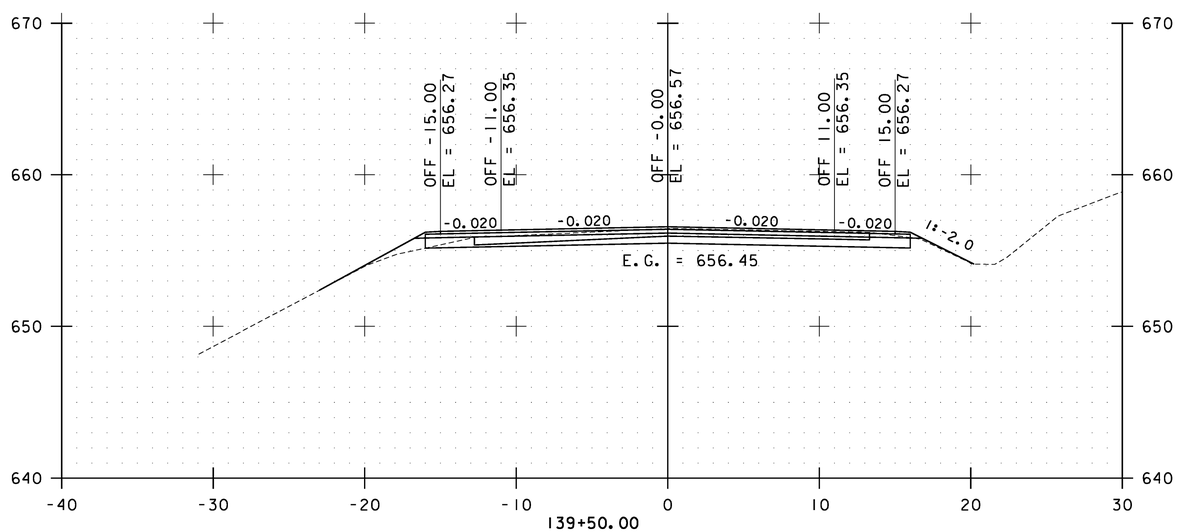
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

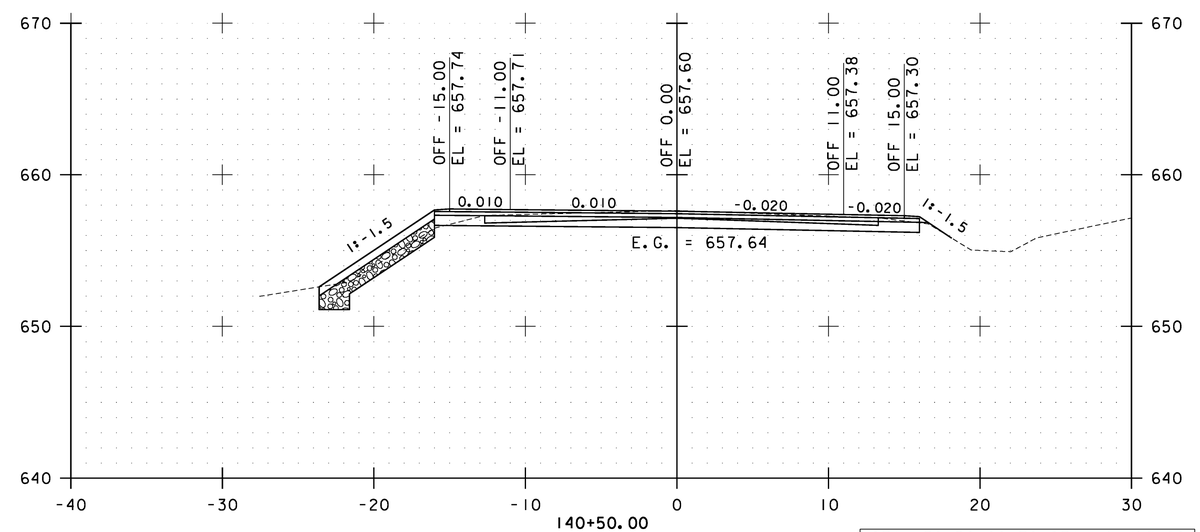
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs58.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 328 OF 387









STA. 139+50.00 TO STA. 141+00.00

0 10 20
SCALE

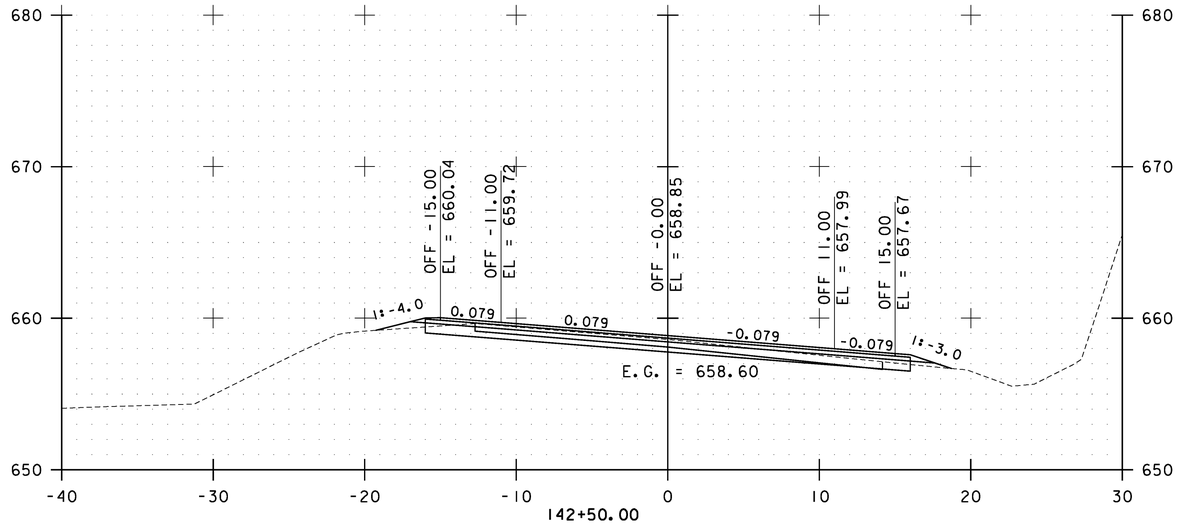
Stantec

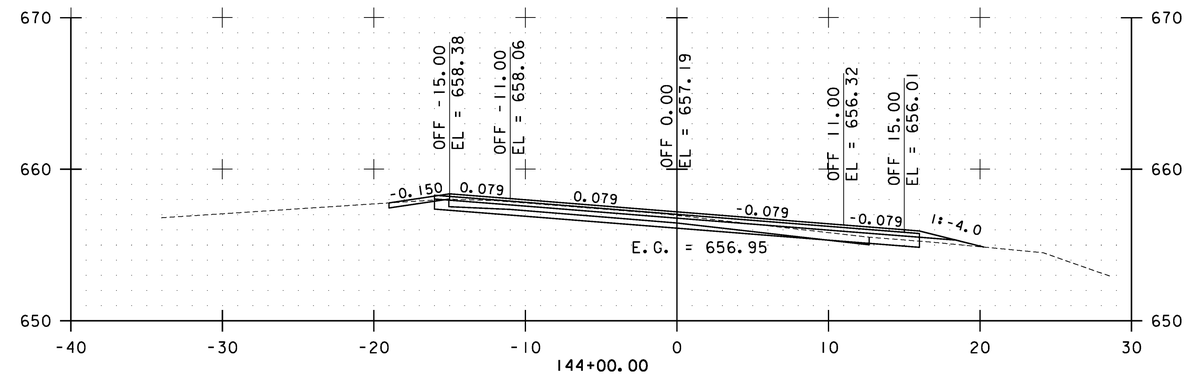
BAKERSFIELD CROSS SECTIONS SHEET #59

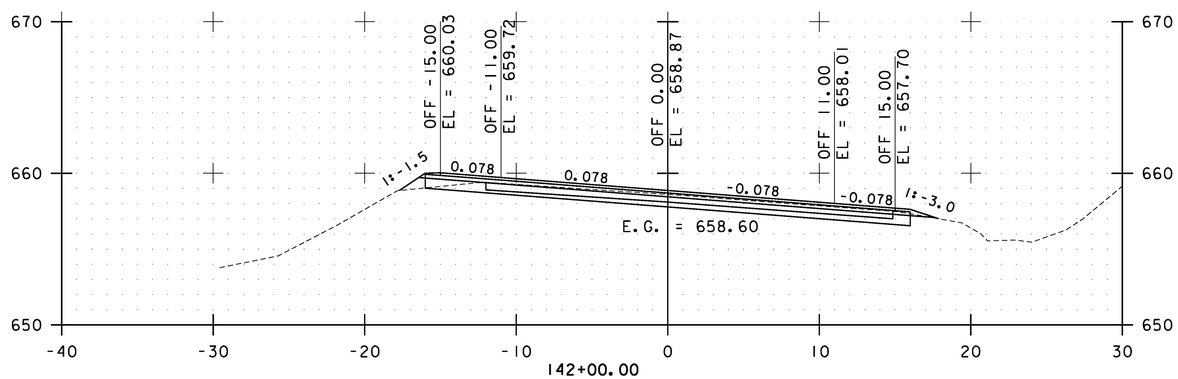
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

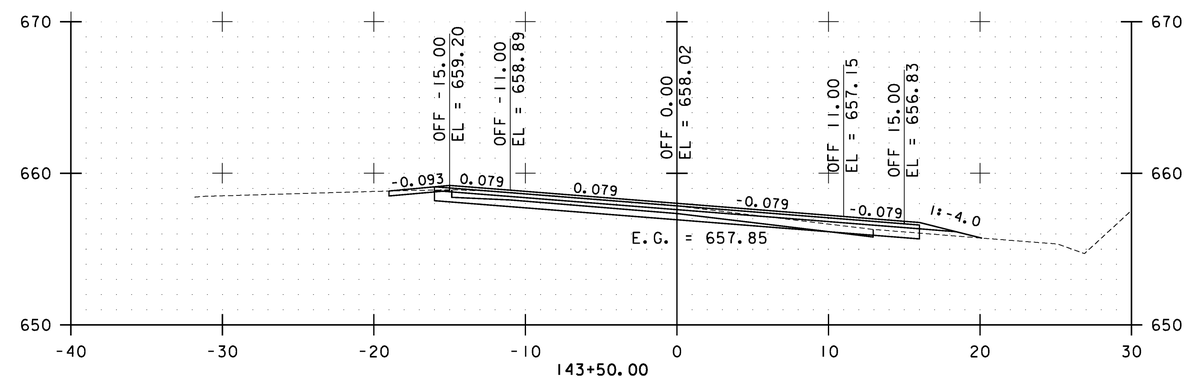
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs59.i

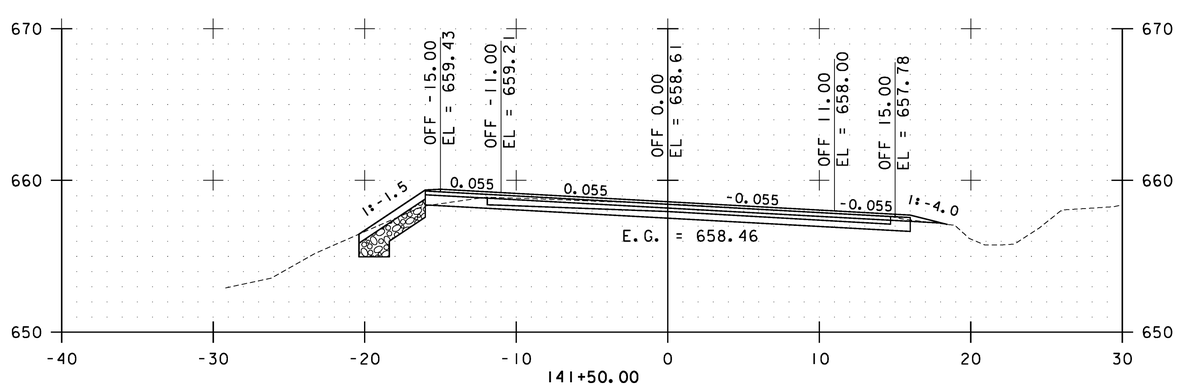
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 329 OF 387

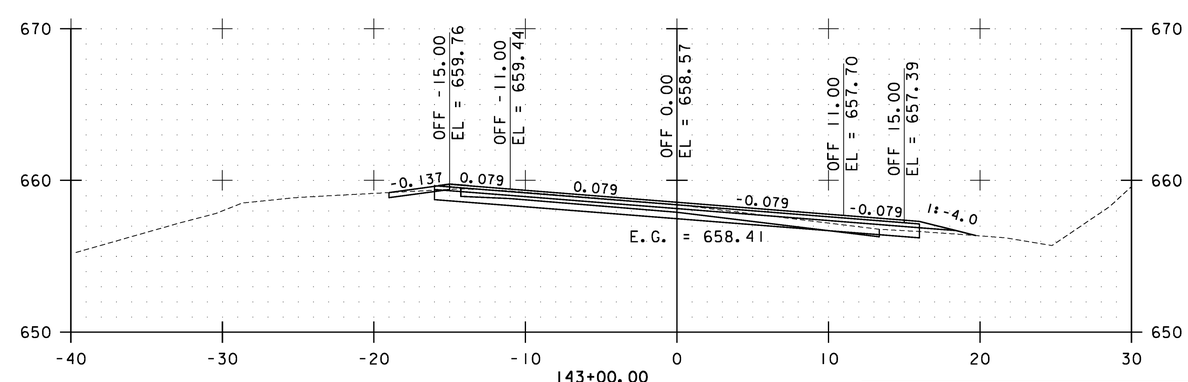












STA. 141+50.00 TO STA. 144+00.00

0 10 20
SCALE

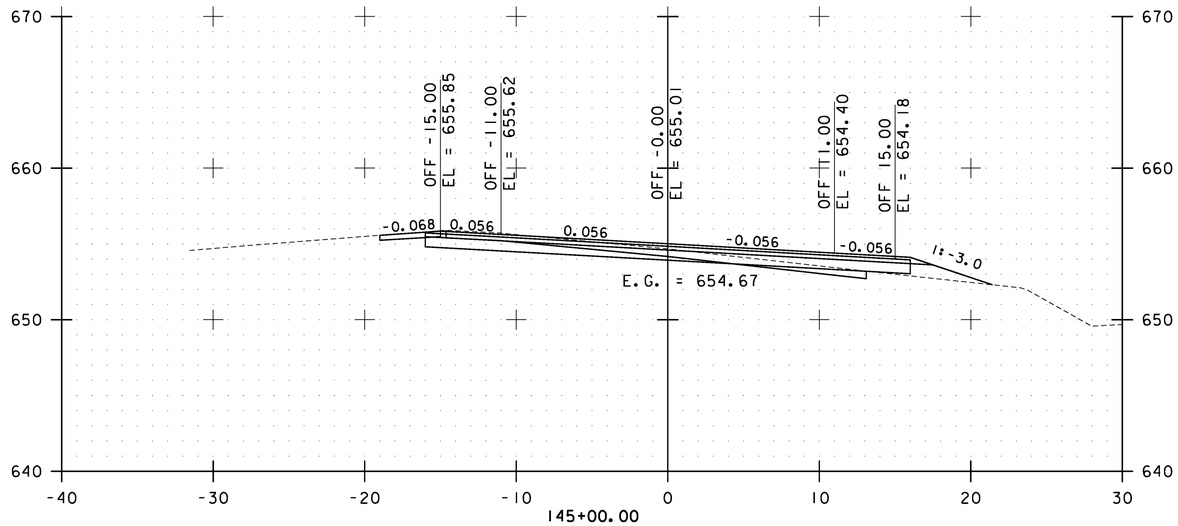
Stantec

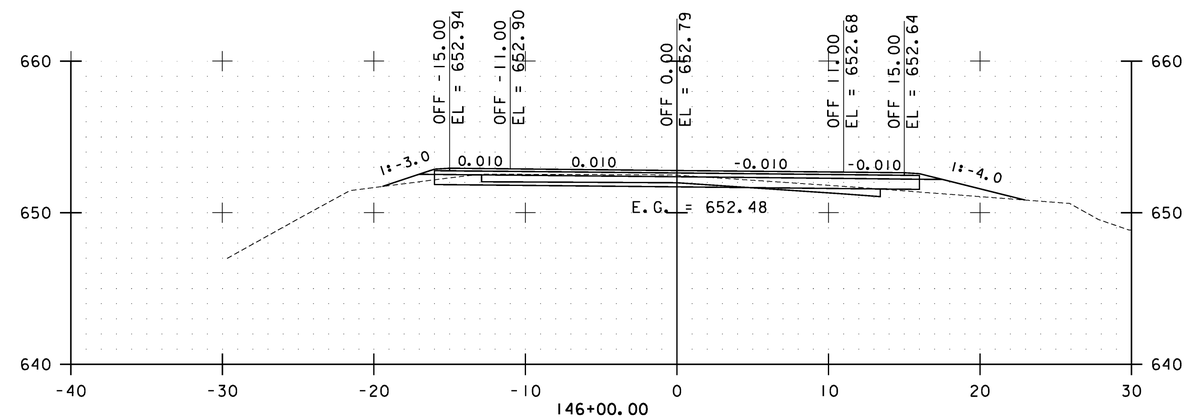
BAKERSFIELD CROSS SECTIONS SHEET #60

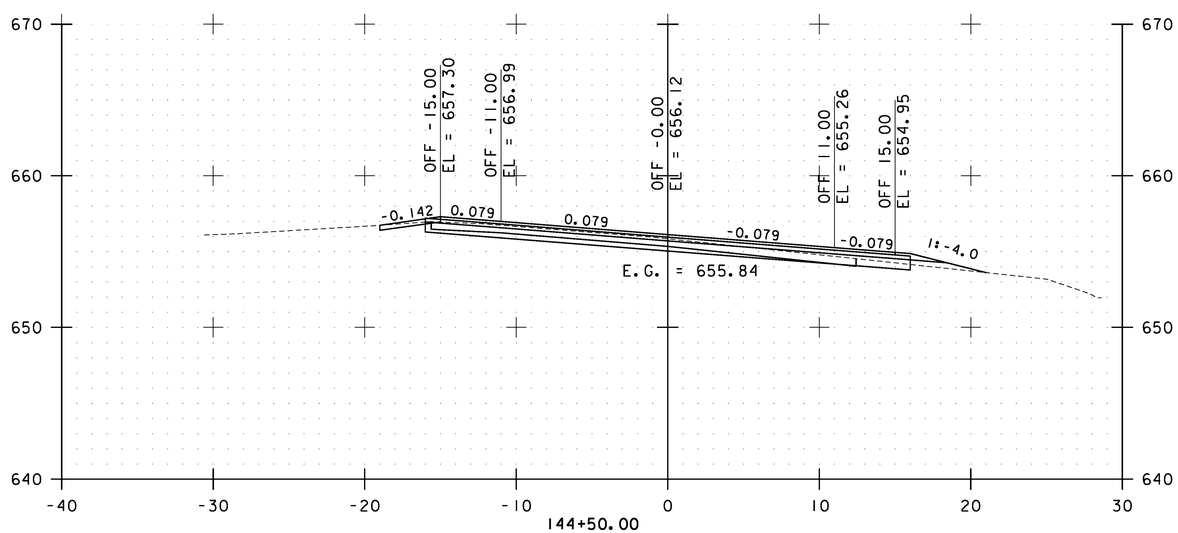
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

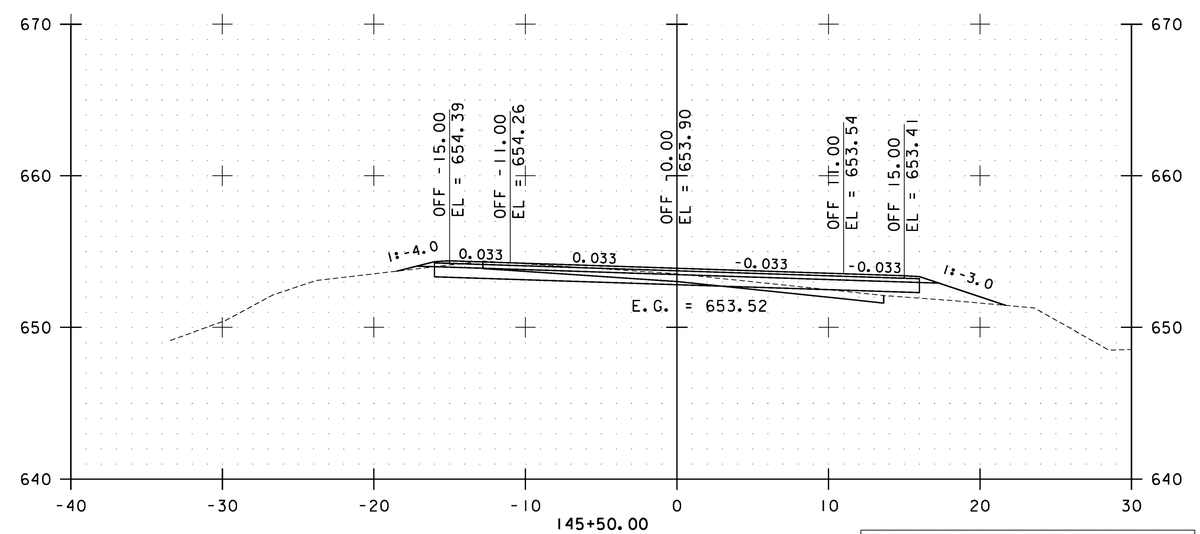
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs60.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 330 OF 387









STA. 144+50.00 TO STA. 146+00.00

0 10 20
SCALE

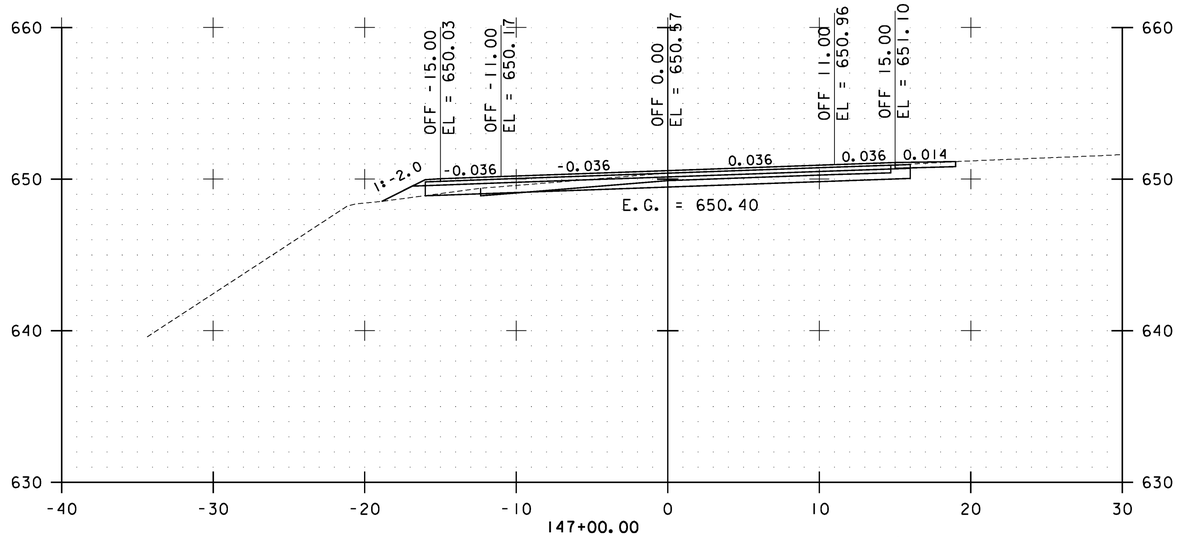
Stantec

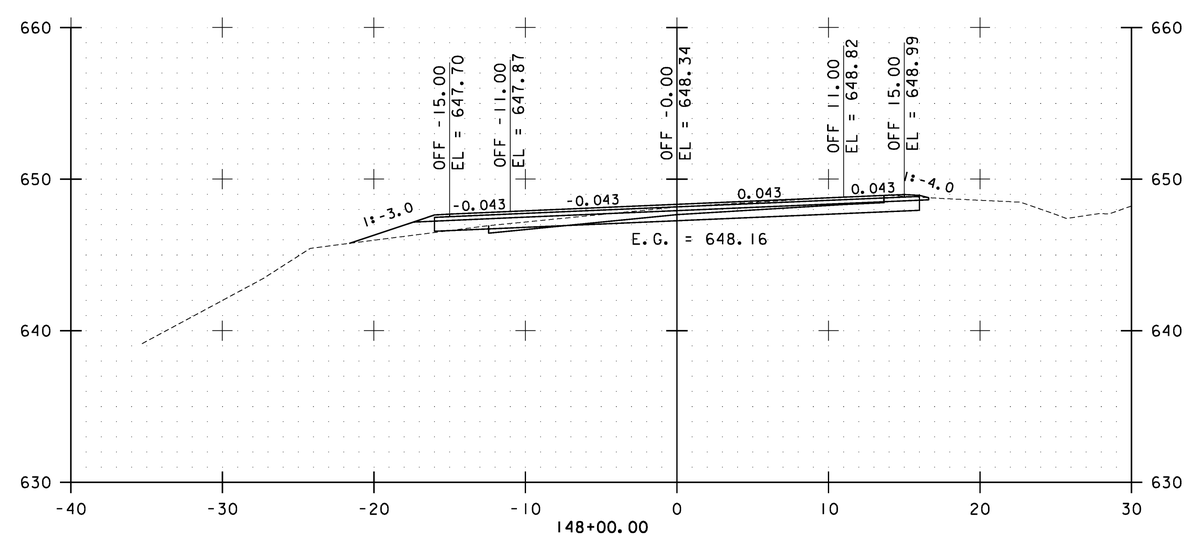
BAKERSFIELD CROSS SECTIONS SHEET #61

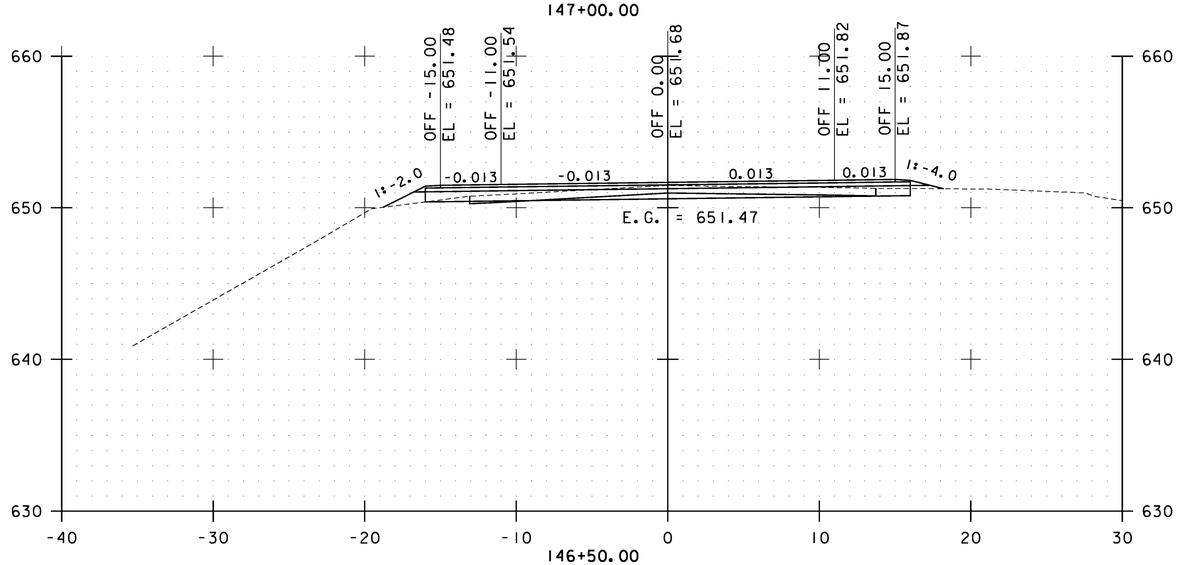
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

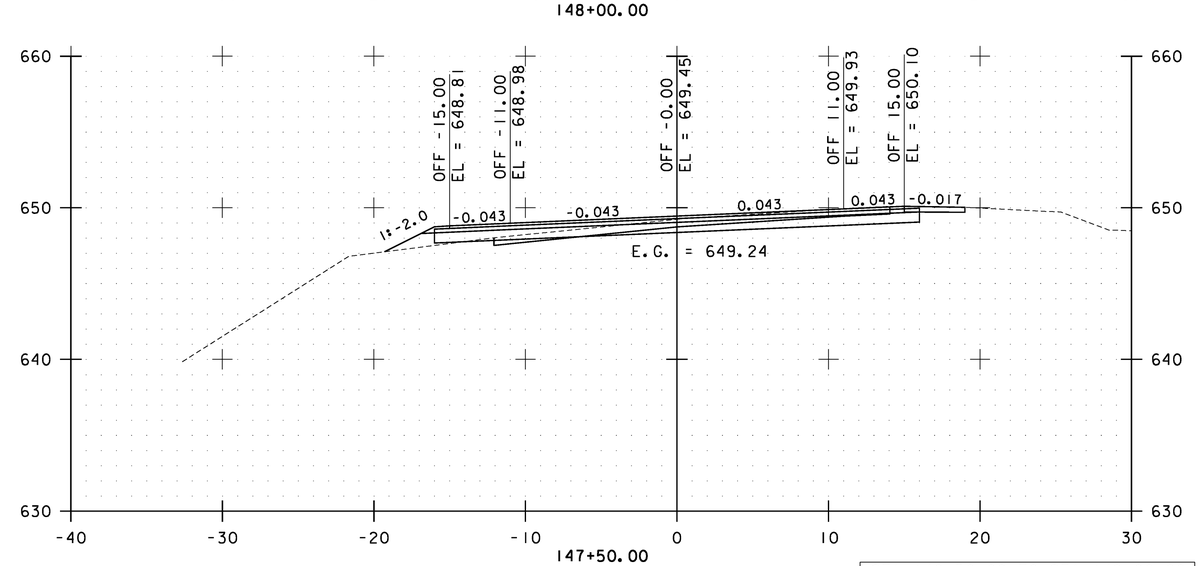
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs61.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 331 OF 387









STA. 146+50.00 TO STA. 148+00.00

0 10 20
SCALE

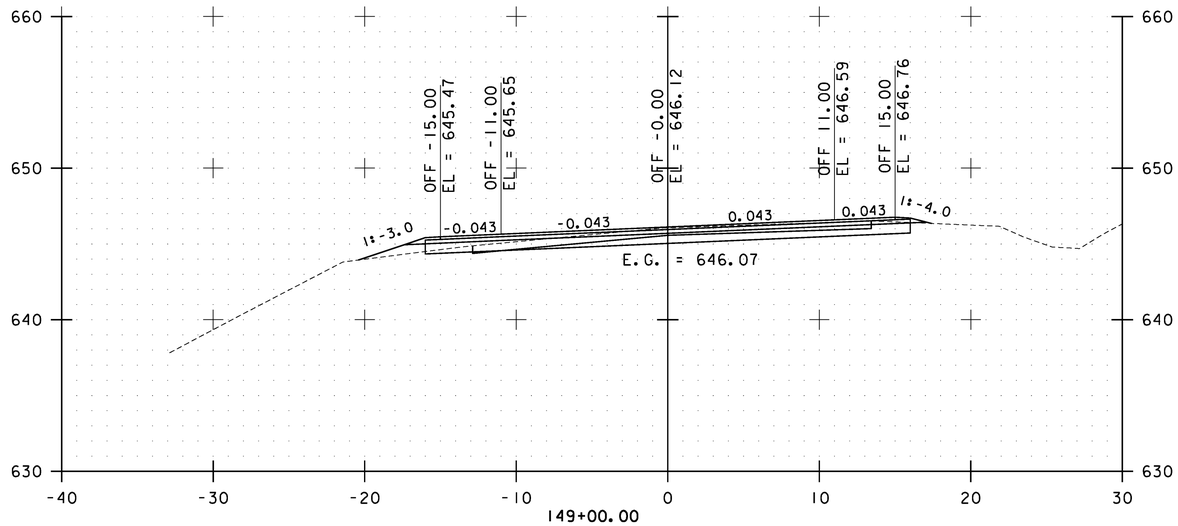
Stantec

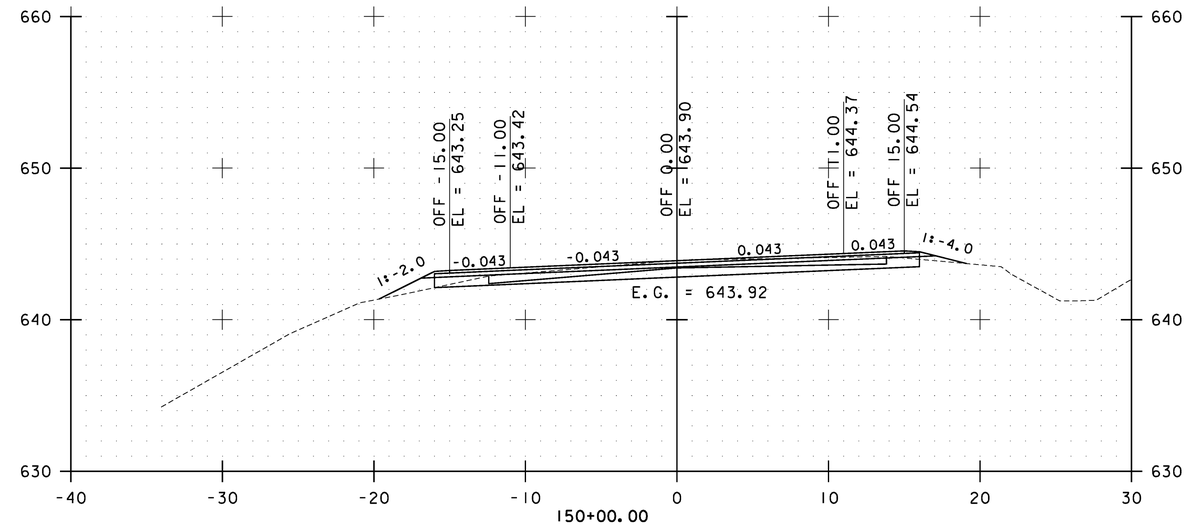
BAKERSFIELD CROSS SECTIONS SHEET #62

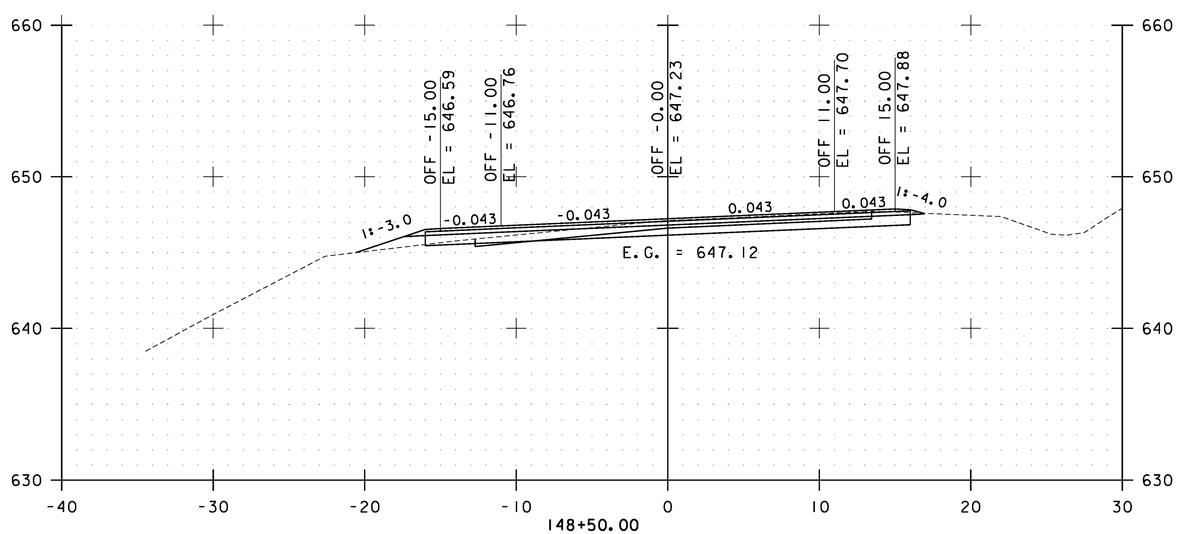
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

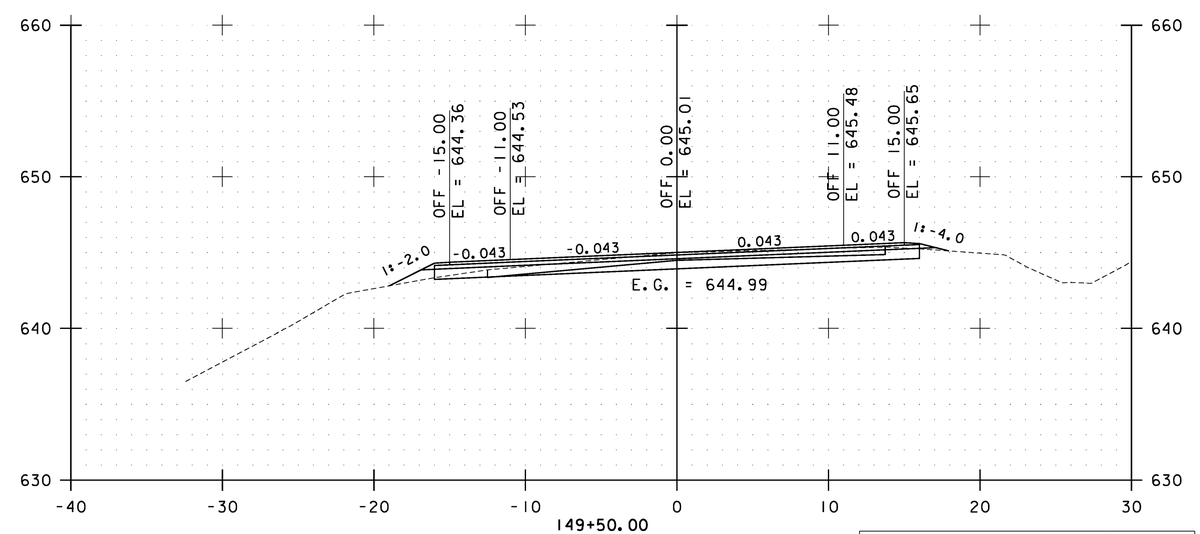
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs62.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 332 OF 387









STA. 148+50.00 TO STA. 150+00.00

0 10 20
SCALE

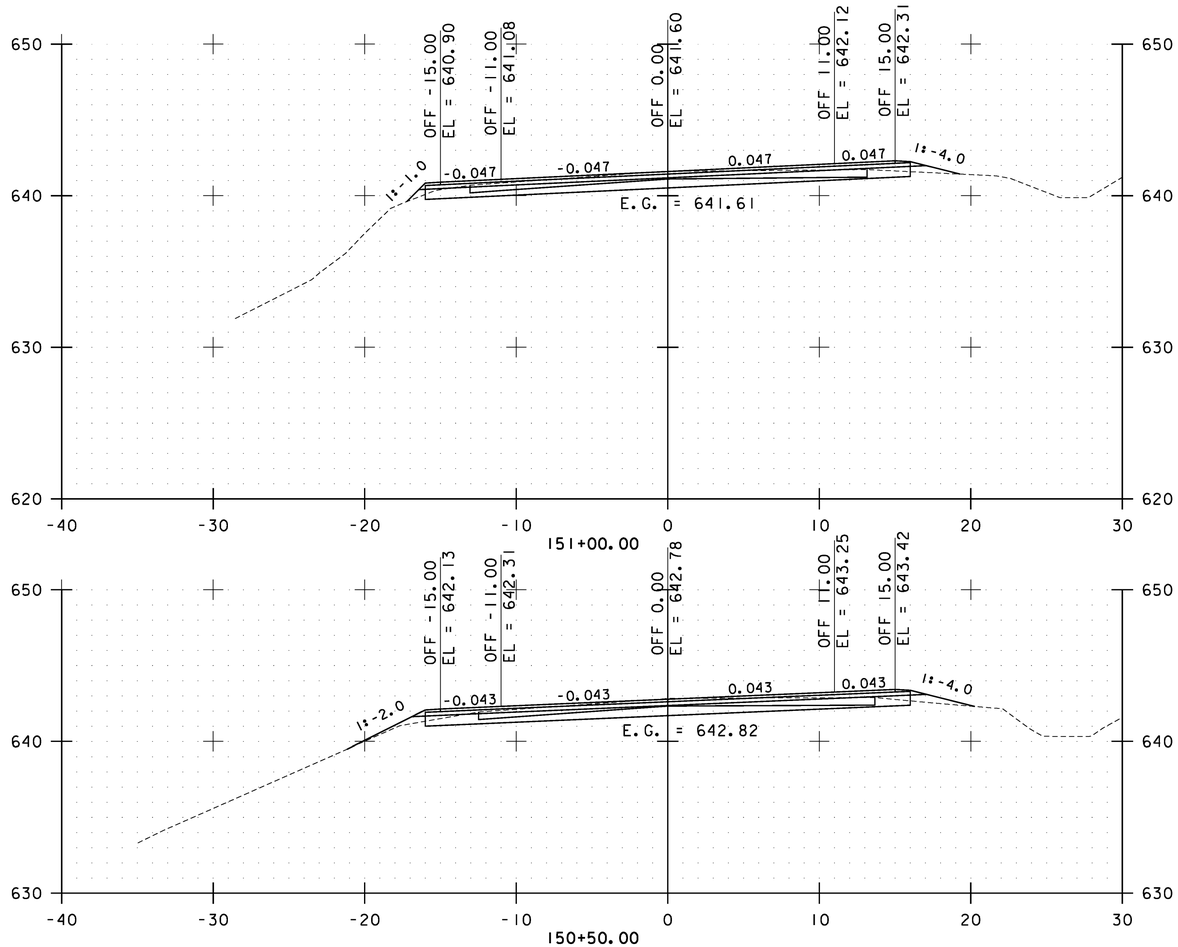
Stantec

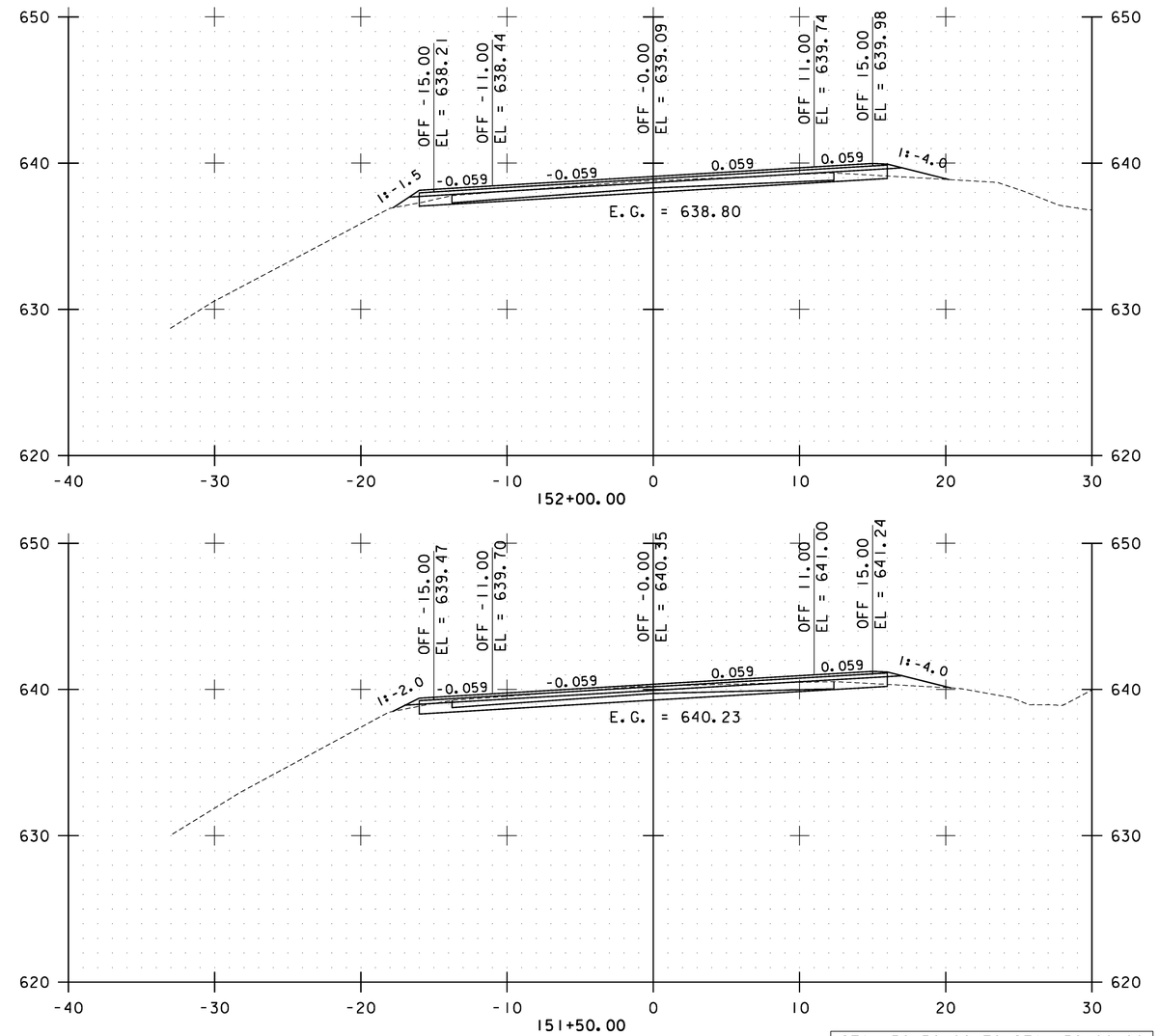
BAKERSFIELD CROSS SECTIONS SHEET #63

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs63.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 333 OF 387





STA. 150+50.00 TO STA. 152+00.00

0 10 20
SCALE

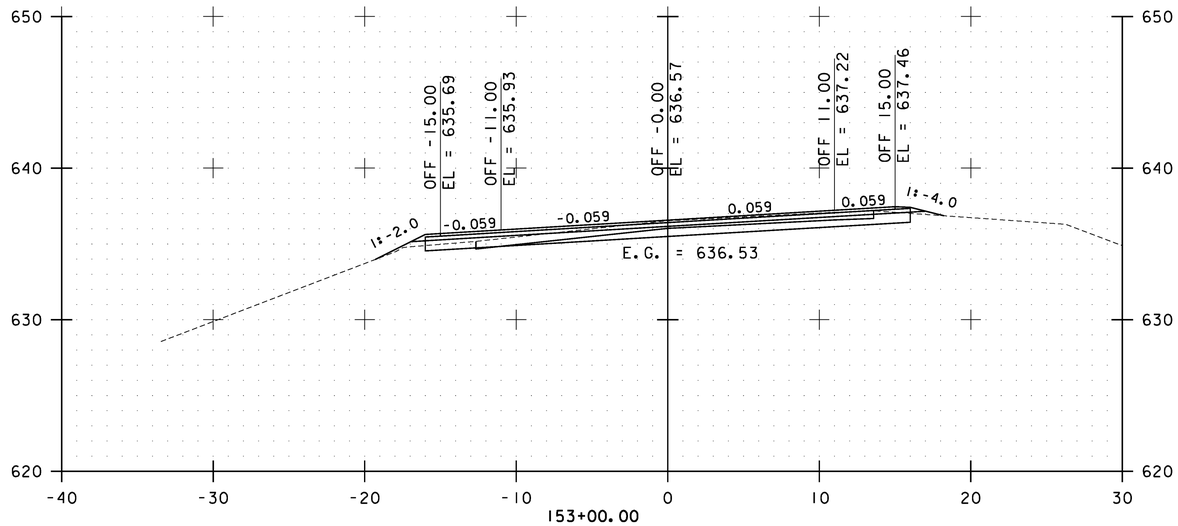
Stantec

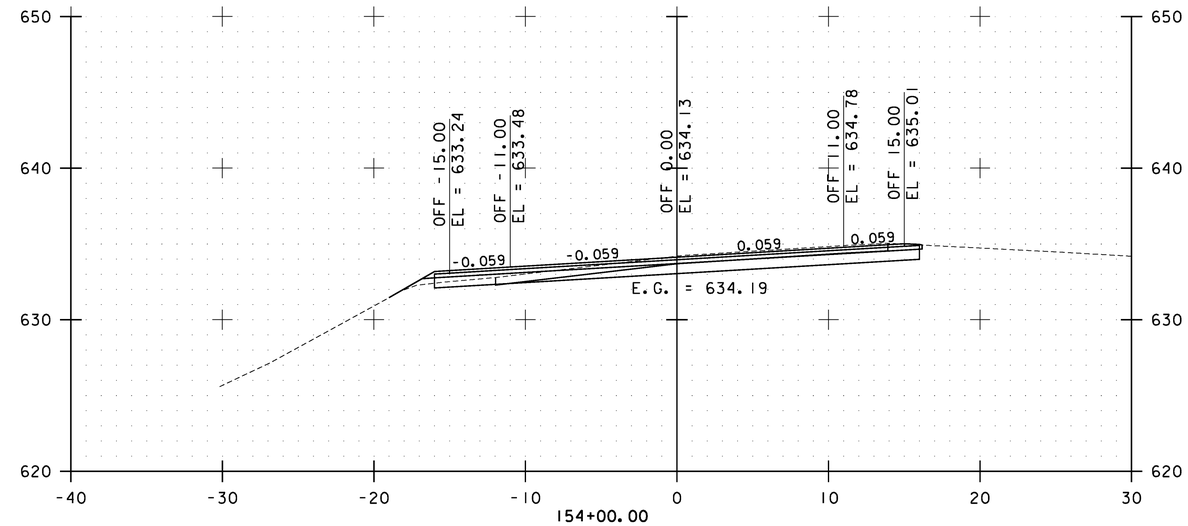
BAKERSFIELD CROSS SECTIONS SHEET #64

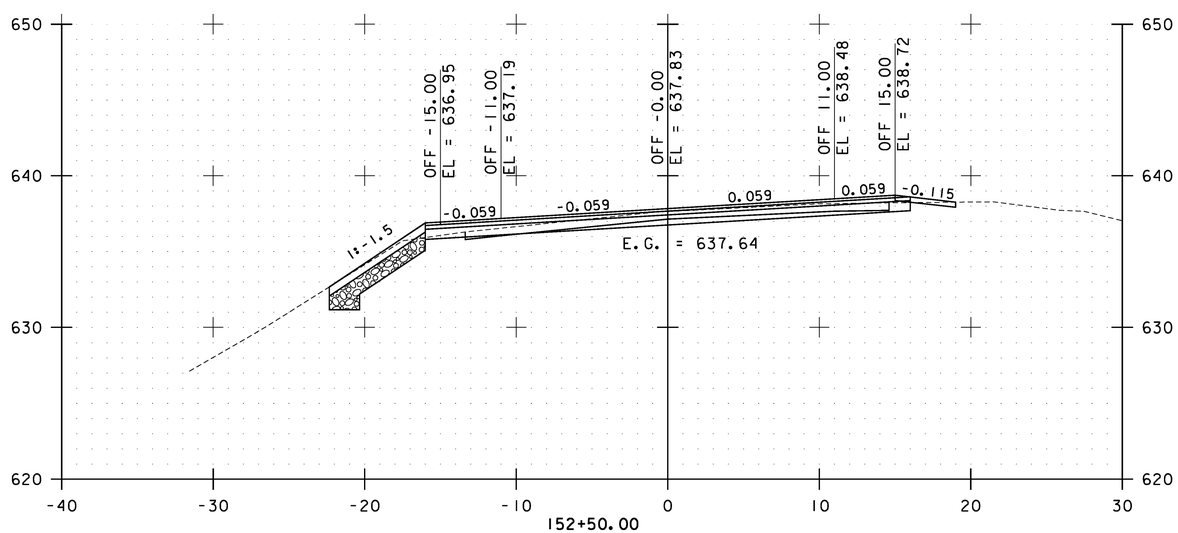
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

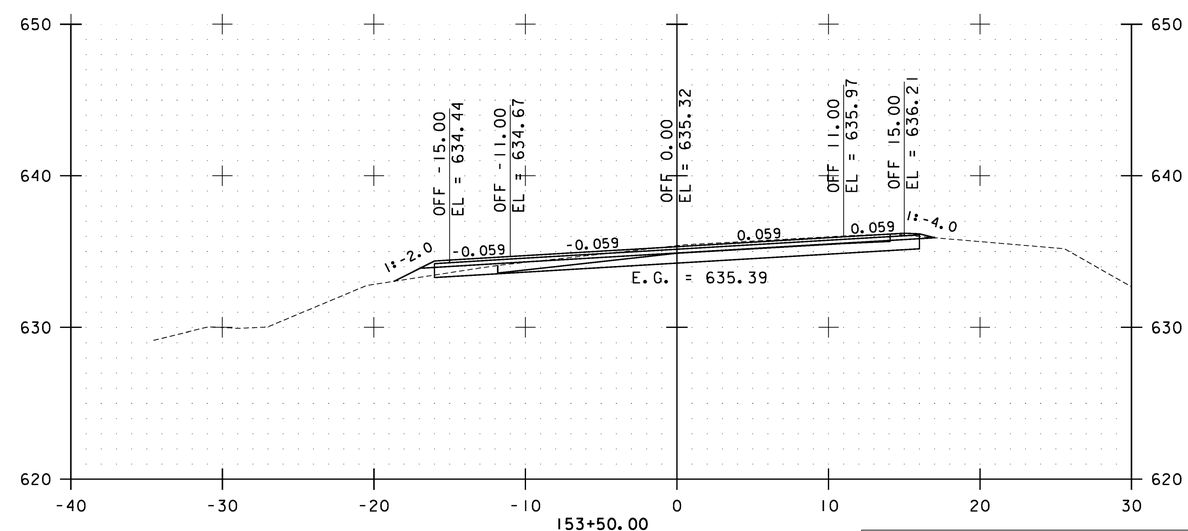
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs64.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 334 OF 387









STA. 152+50.00 TO STA. 154+00.00

0 10 20
SCALE

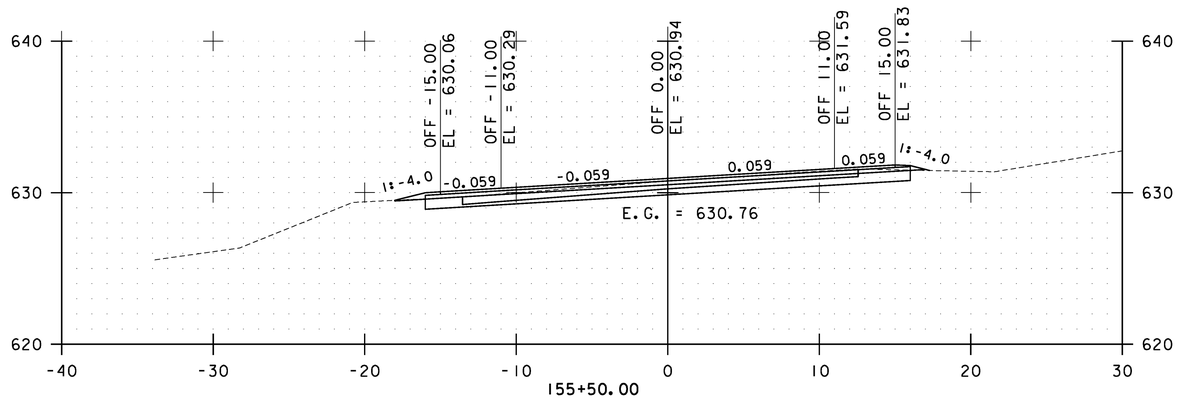
Stantec

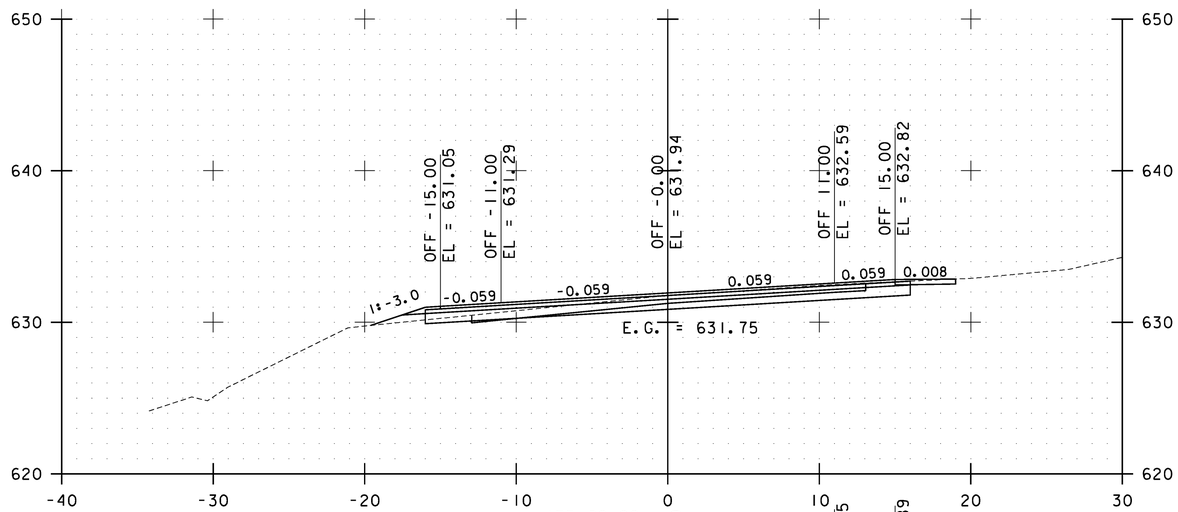
BAKERSFIELD CROSS SECTIONS SHEET #65

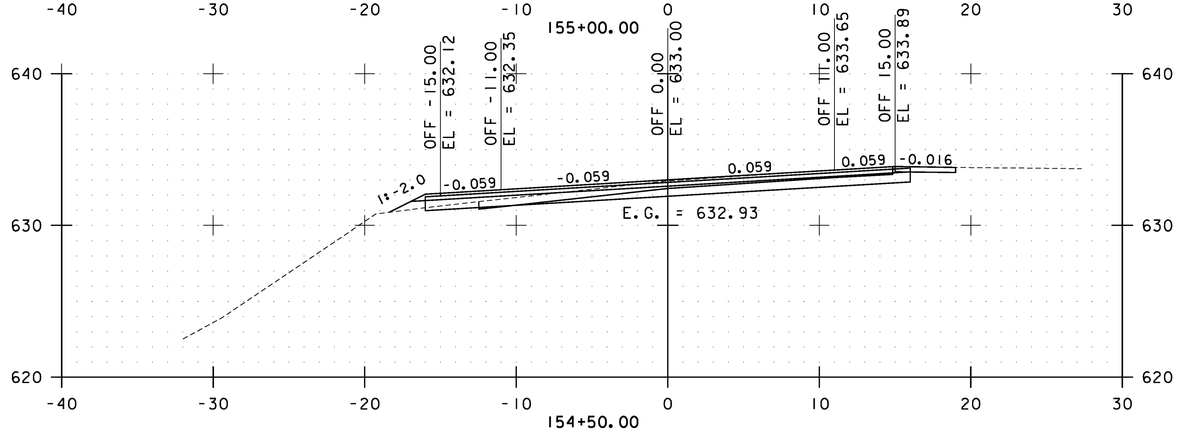
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

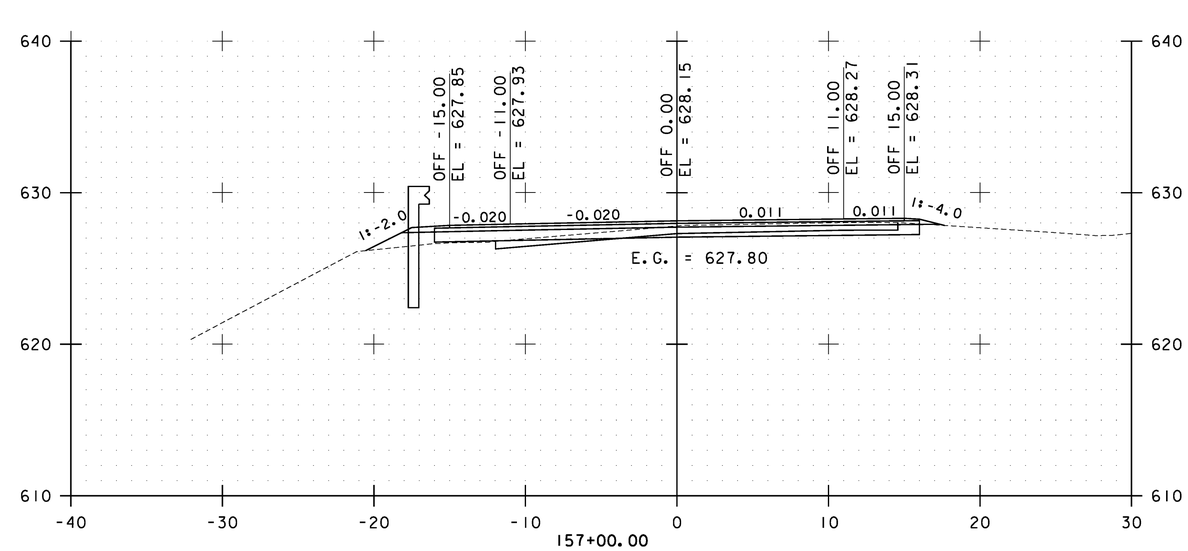
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs65.i

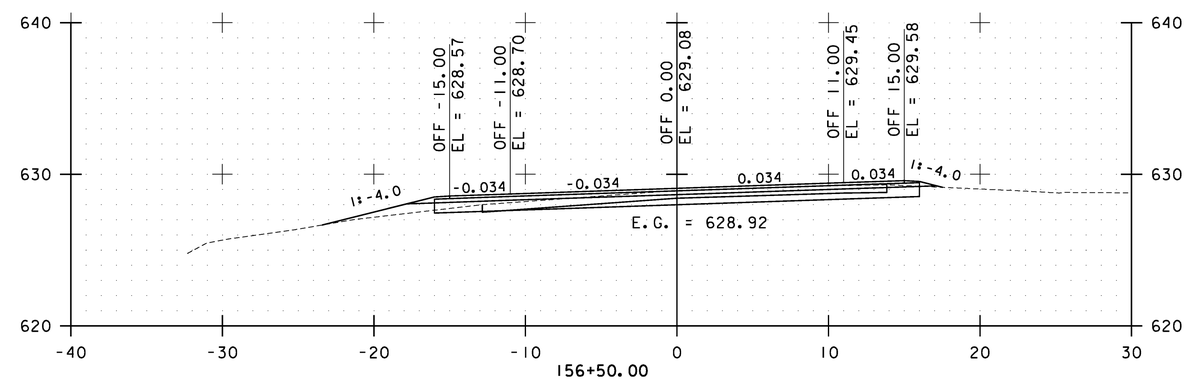
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 335 OF 387

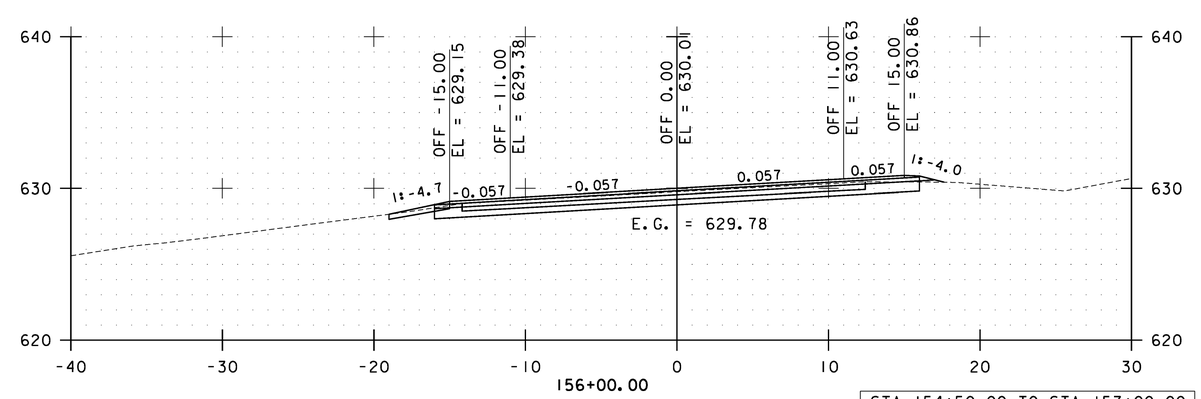












STA. 154+50.00 TO STA. 157+00.00

0 10 20
SCALE

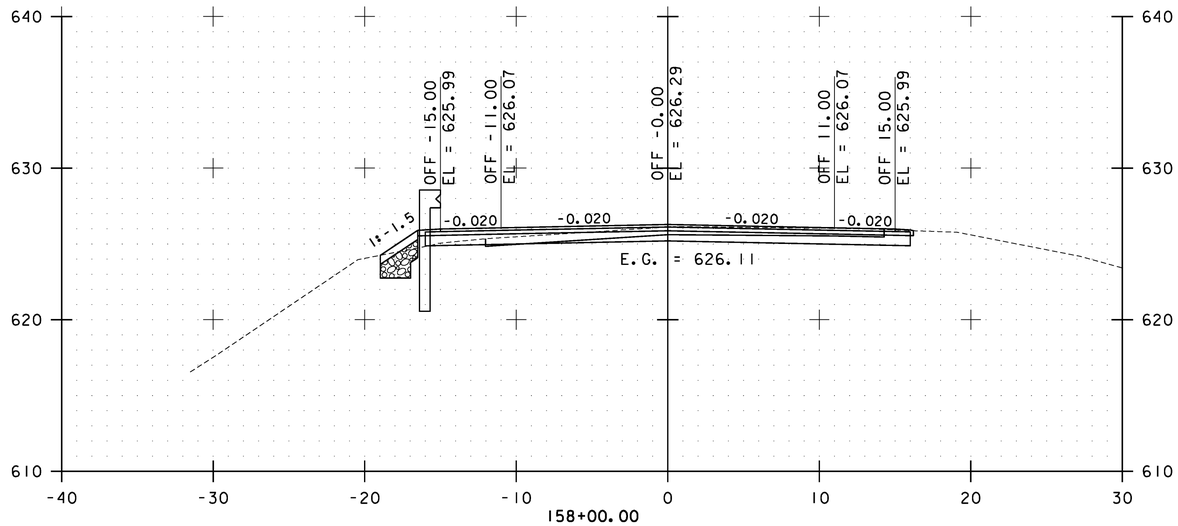
Stantec

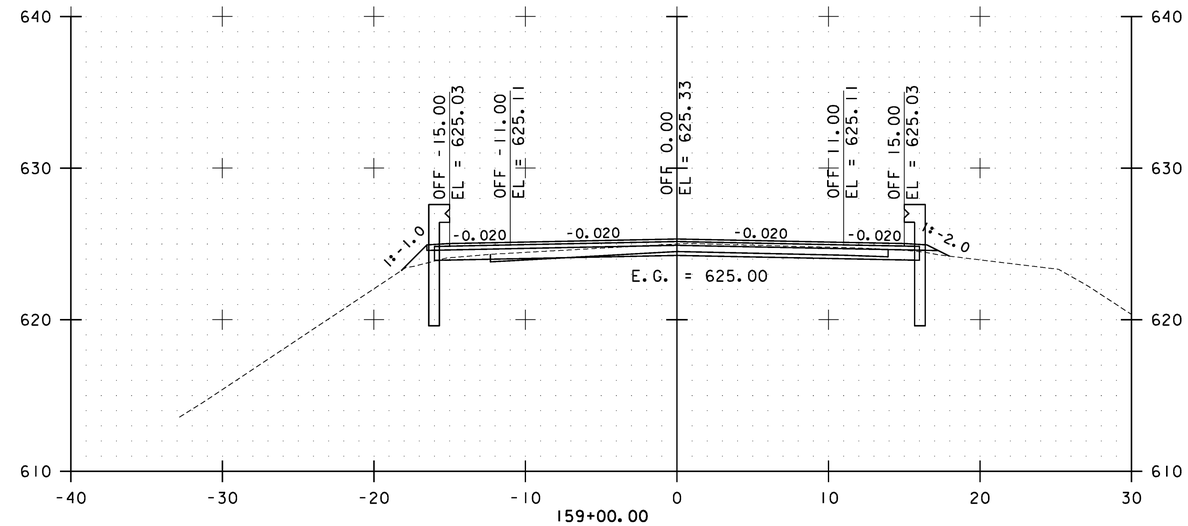
BAKERSFIELD CROSS SECTIONS SHEET #66

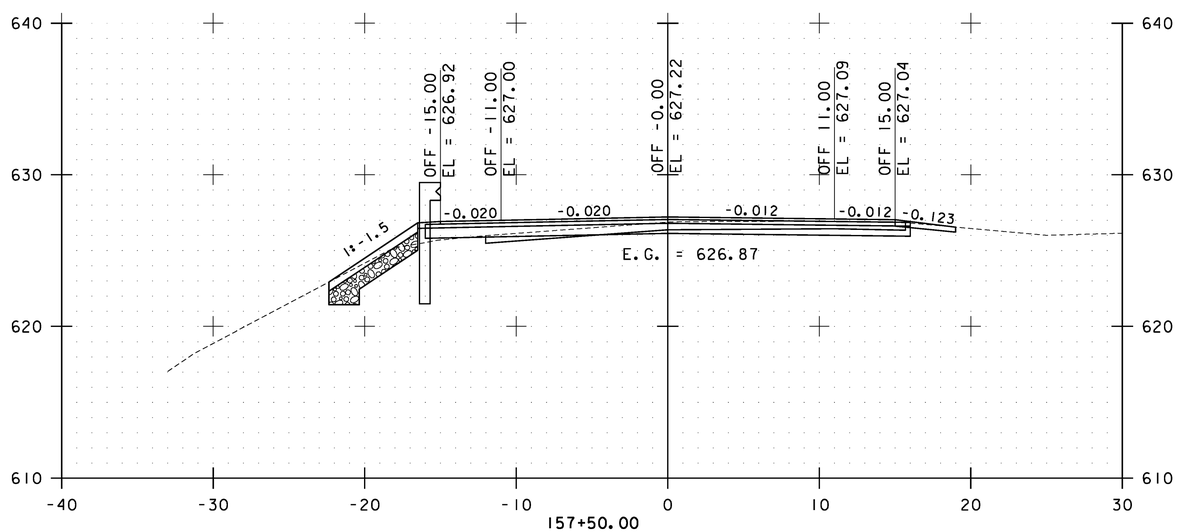
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

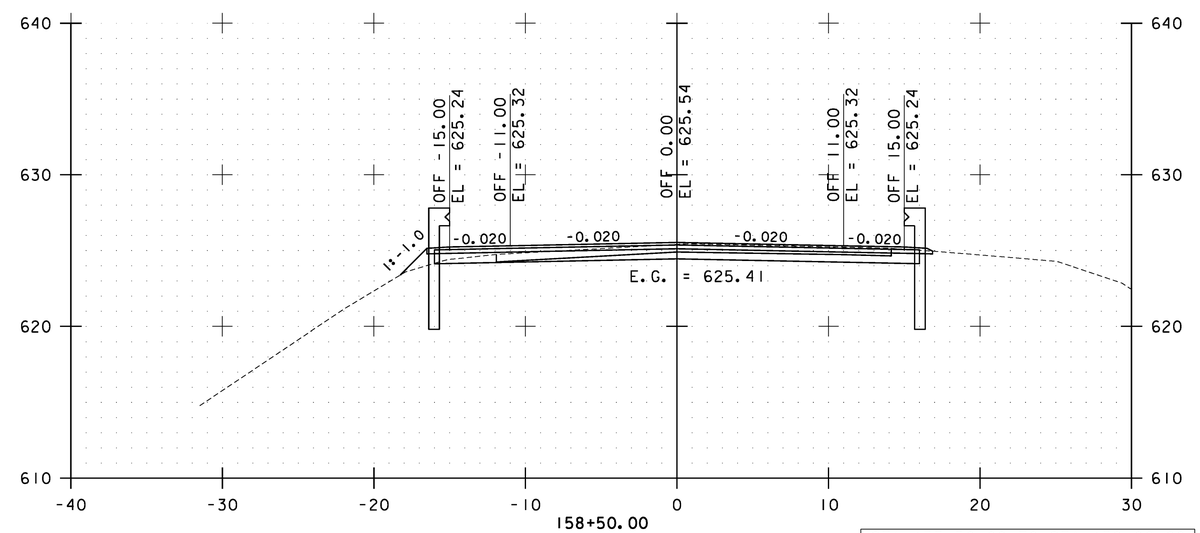
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs66.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 336 OF 387









STA. 157+50.00 TO STA. 159+00.00

0 10 20
SCALE

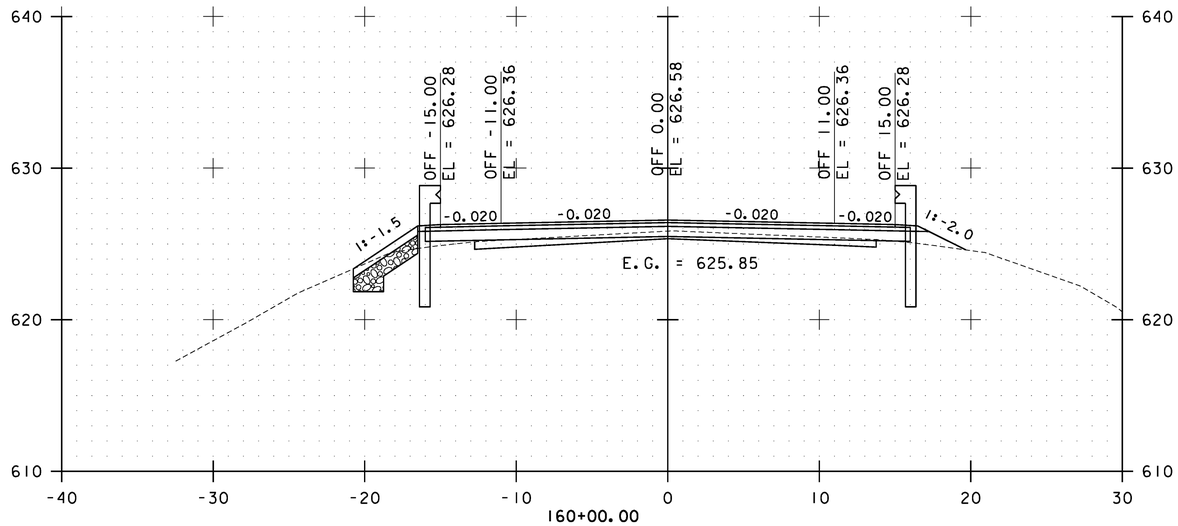
Stantec

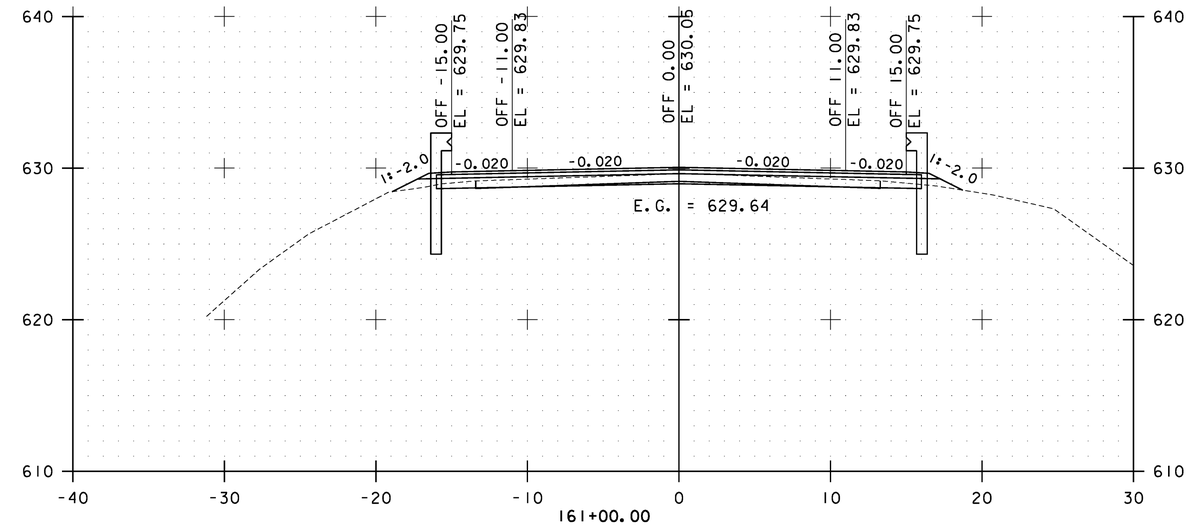
BAKERSFIELD CROSS SECTIONS SHEET #67

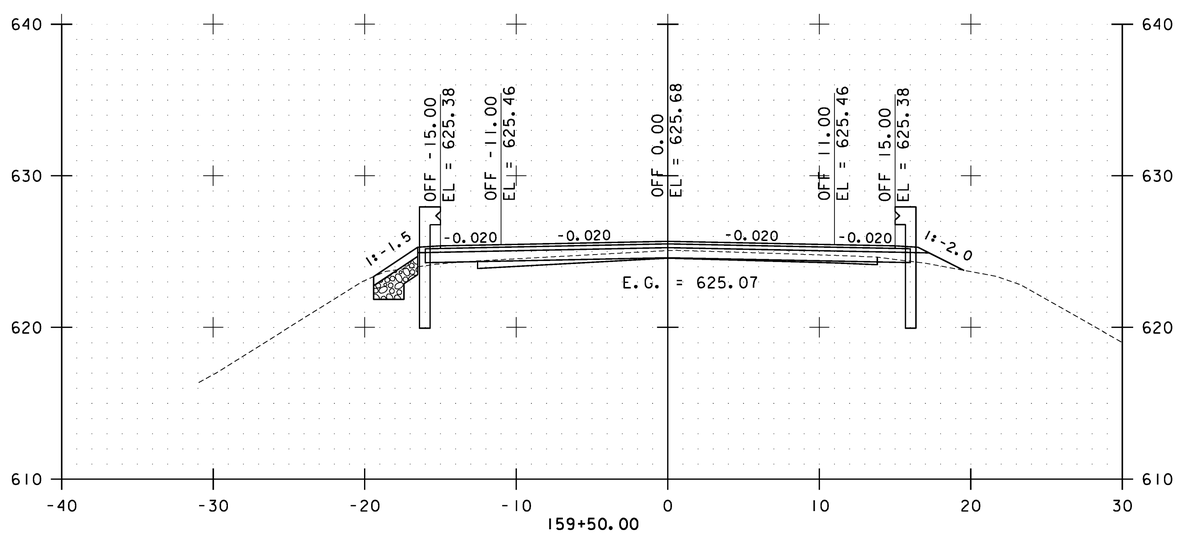
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

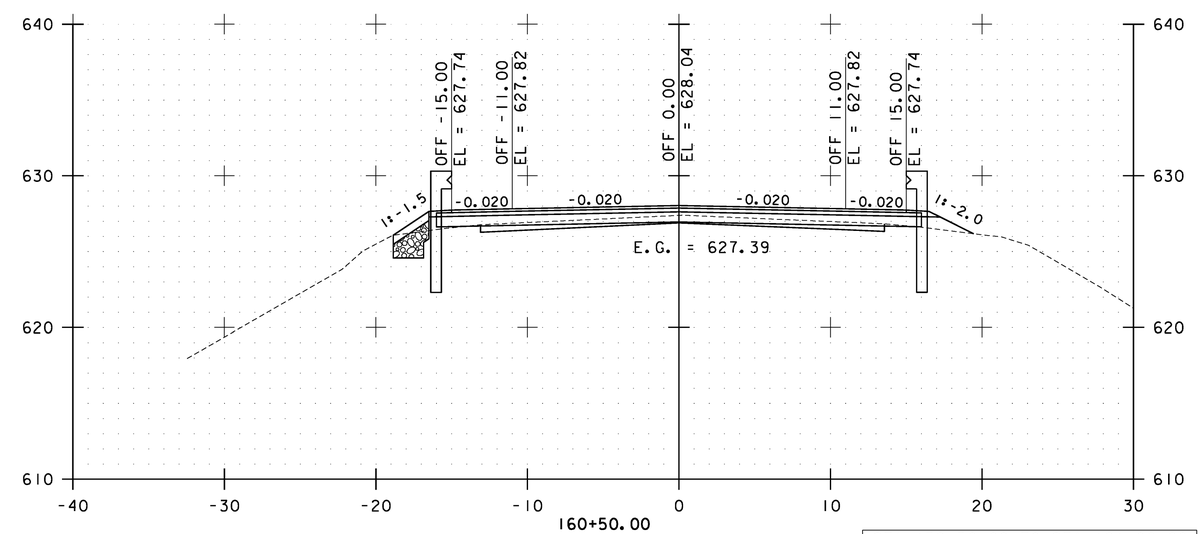
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs67.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 337 OF 387









STA. 159+50.00 TO STA. 161+00.00

0 10 20
SCALE

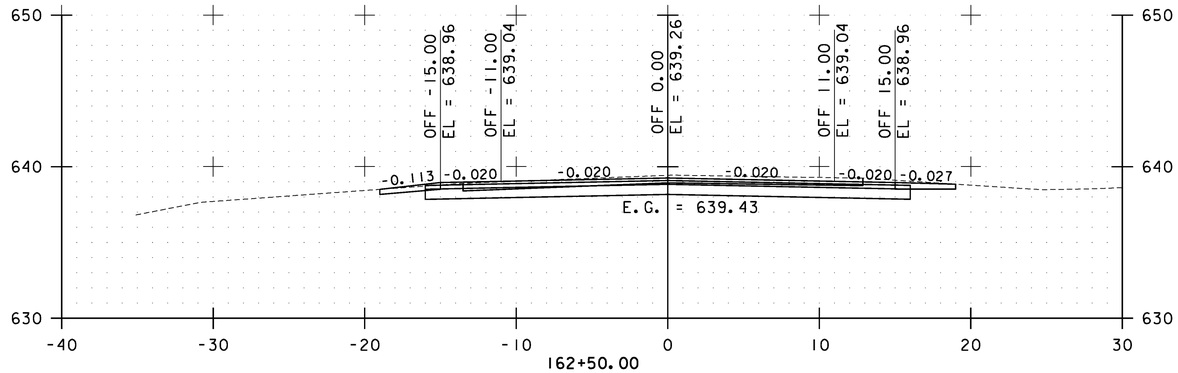
Stantec

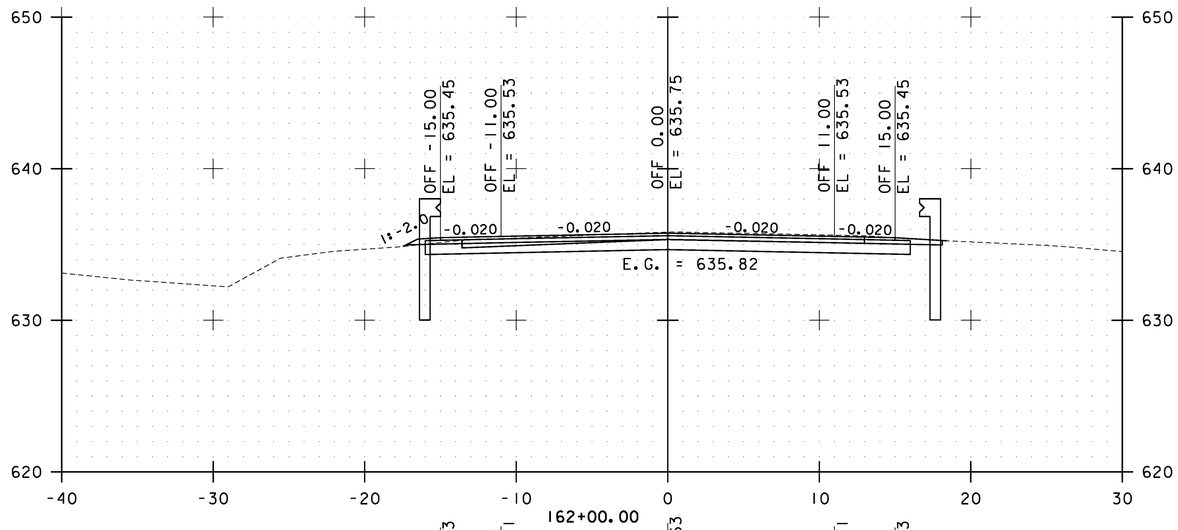
BAKERSFIELD CROSS SECTIONS SHEET #68

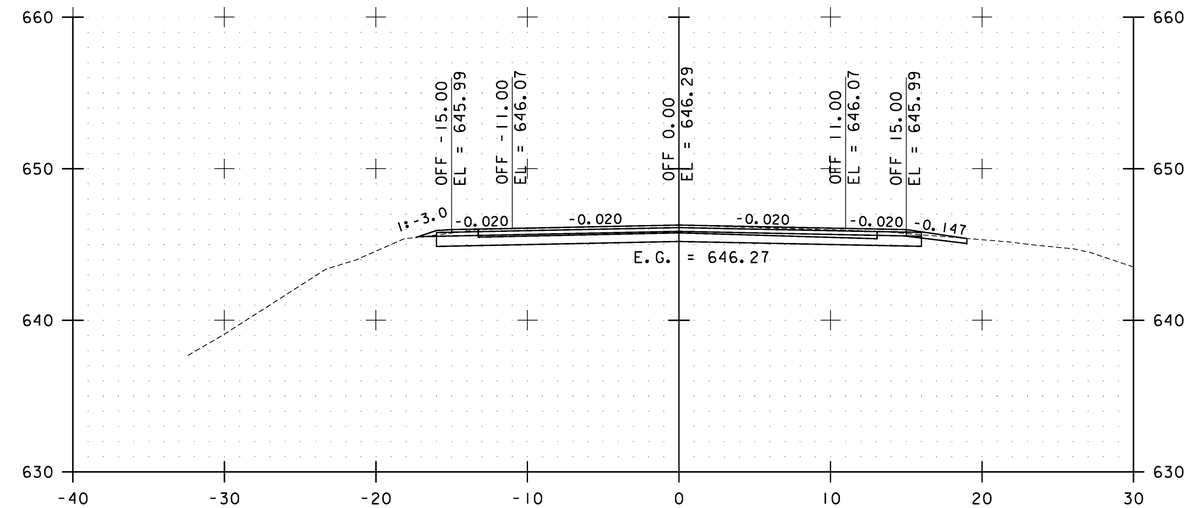
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

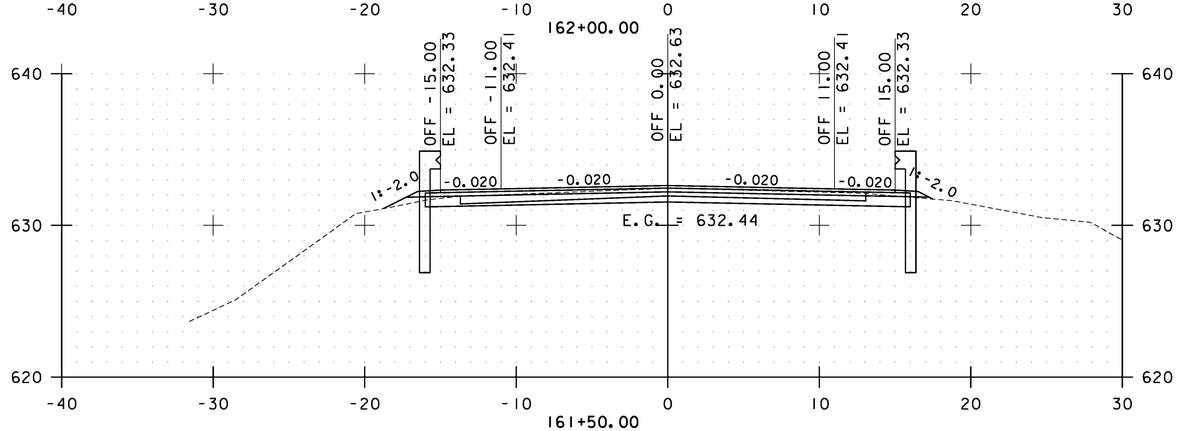
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs68.i

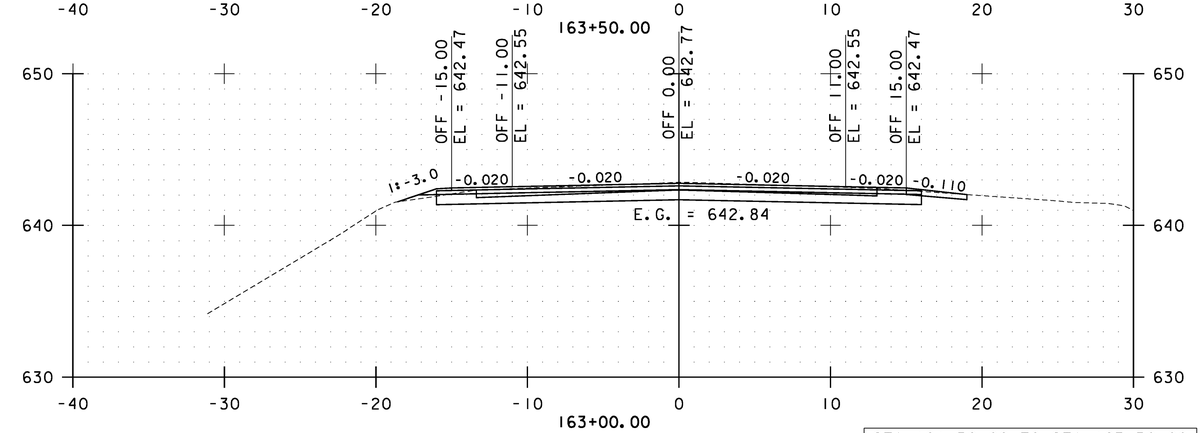
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 338 OF 387











STA. 161+50.00 TO STA. 163+50.00

0 10 20
SCALE

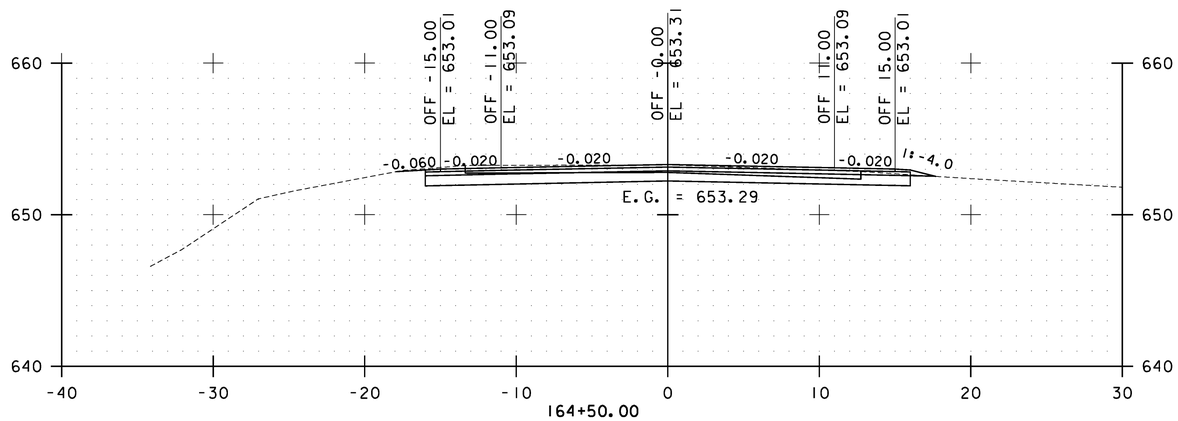
Stantec

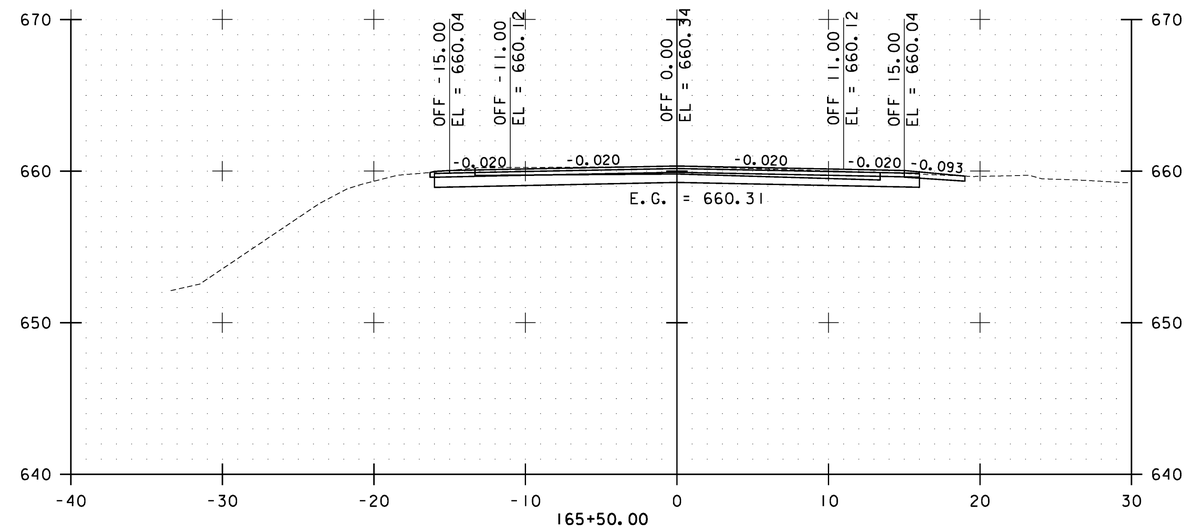
BAKERSFIELD CROSS SECTIONS SHEET #69

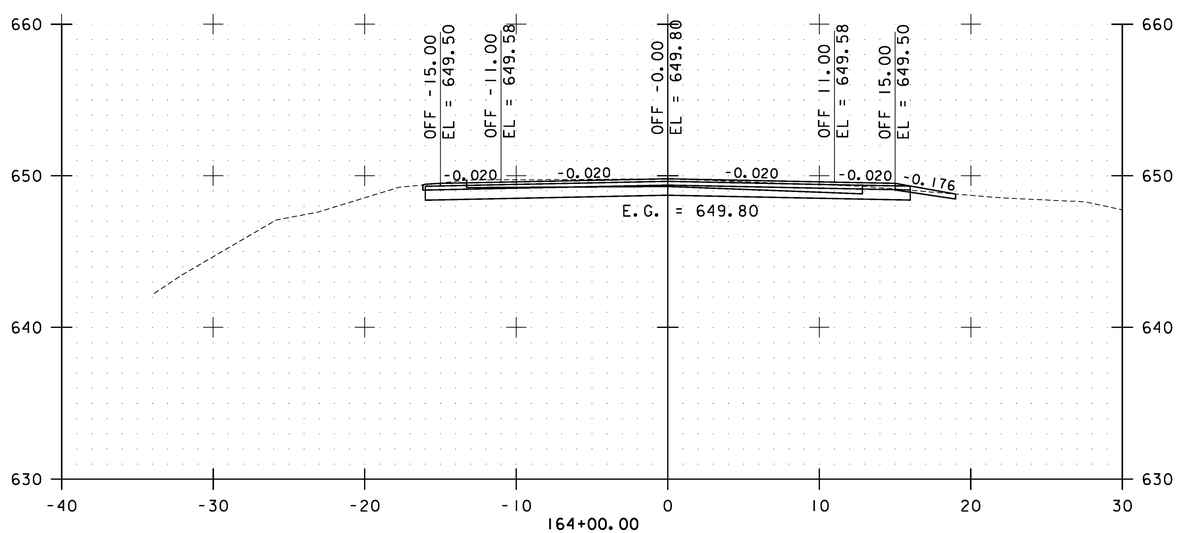
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

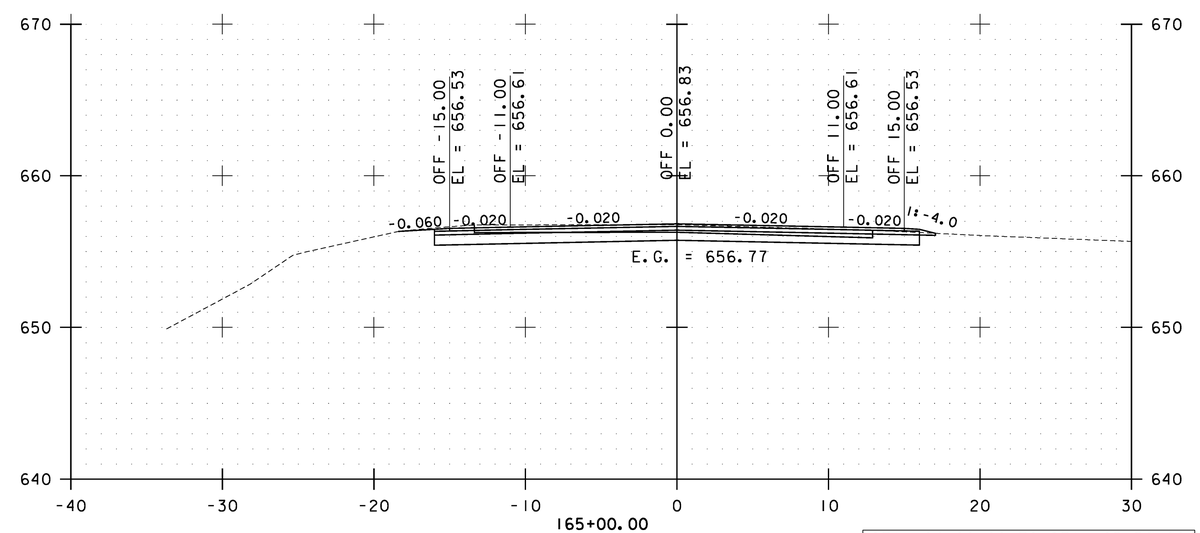
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs69.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 339 OF 387









STA. 164+00.00 TO STA. 165+50.00

0 10 20
SCALE

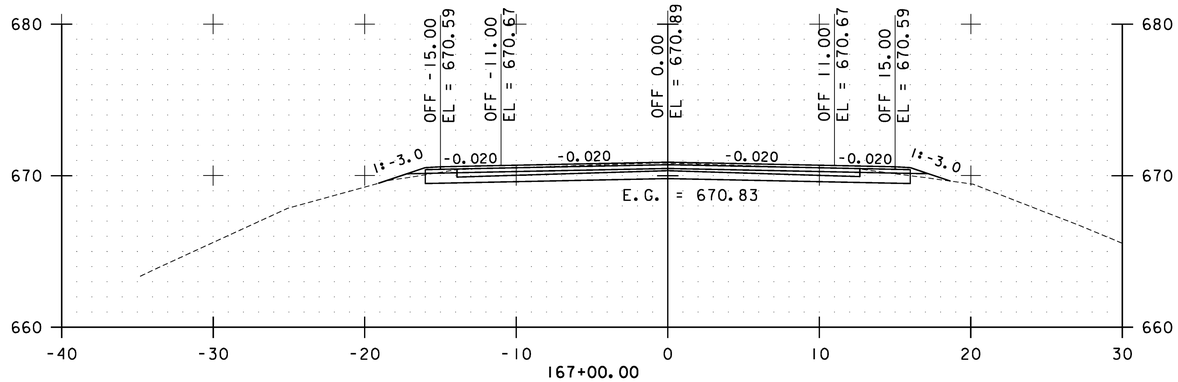
Stantec

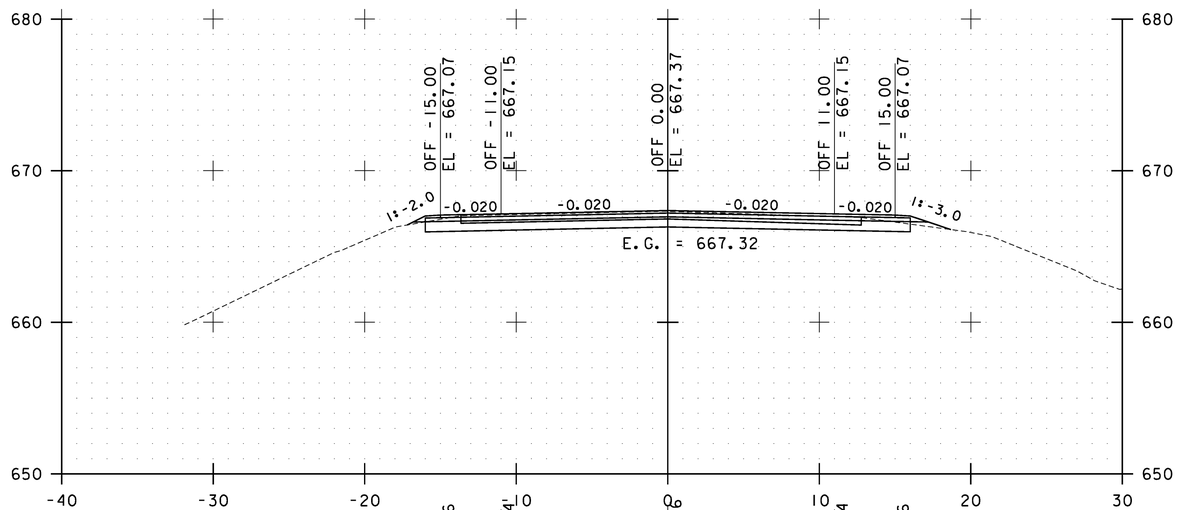
BAKERSFIELD CROSS SECTIONS SHEET #70

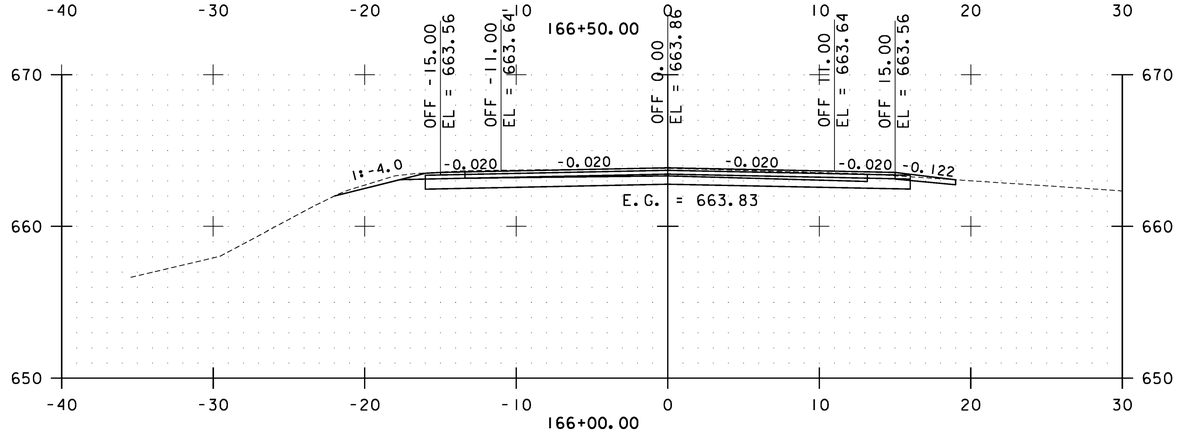
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

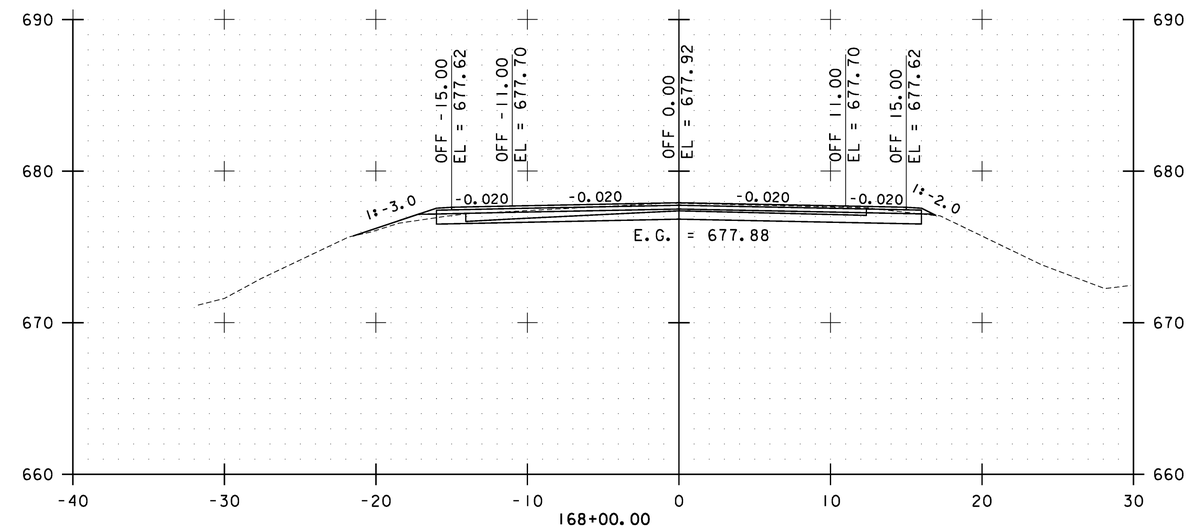
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs70.i

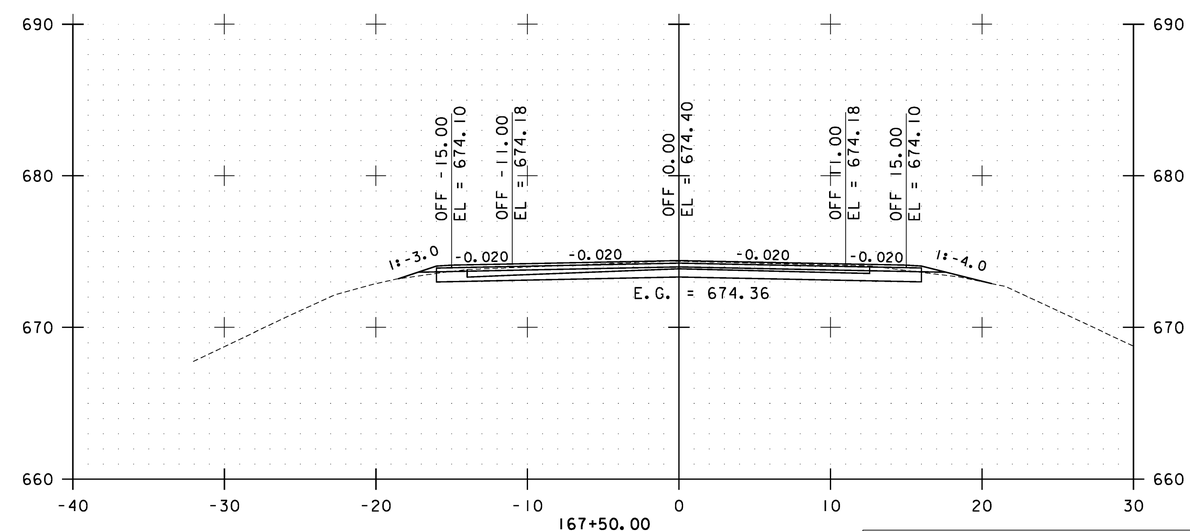
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 340 OF 387











STA. 166+00.00 TO STA. 168+00.00

0 10 20
SCALE

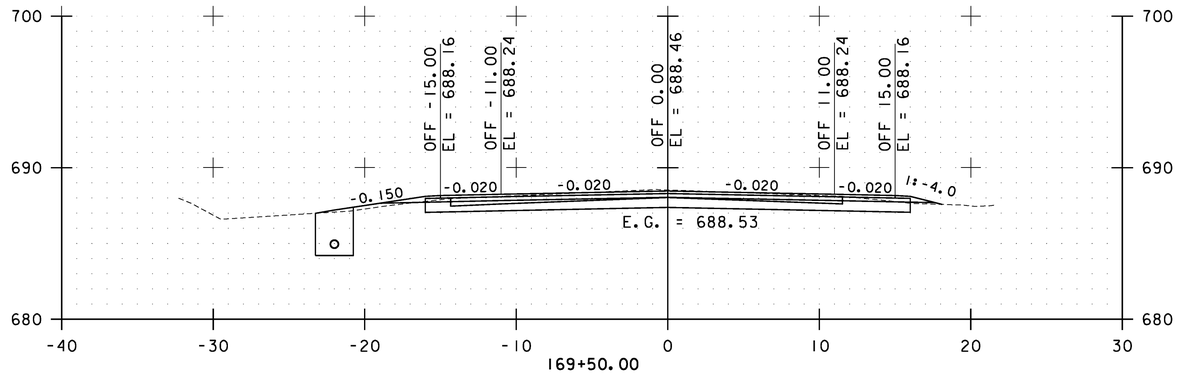
Stantec

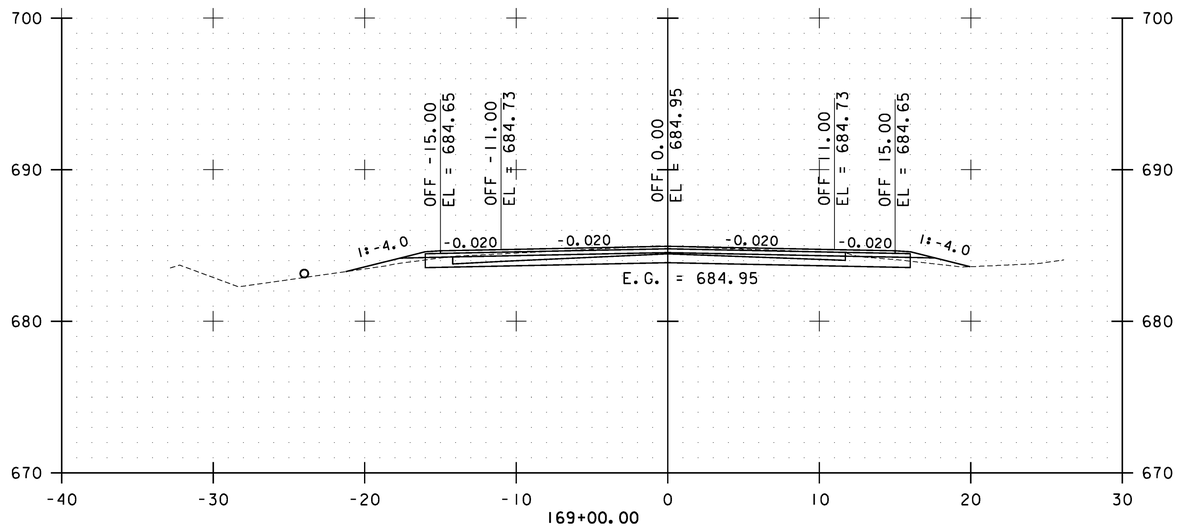
BAKERSFIELD CROSS SECTIONS SHEET #71

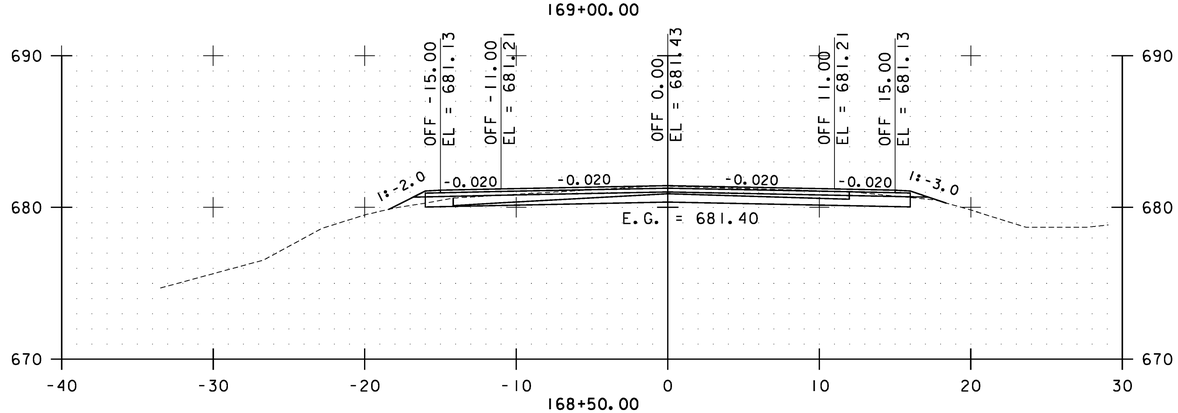
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

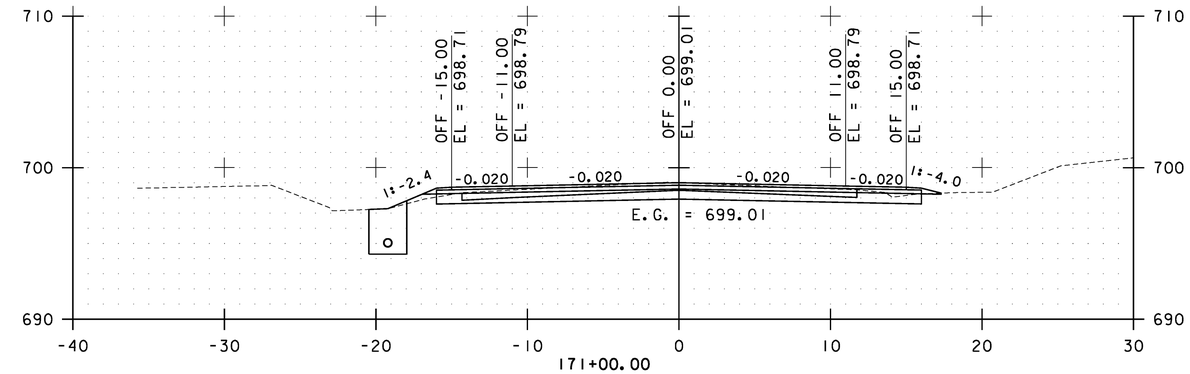
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs71.i

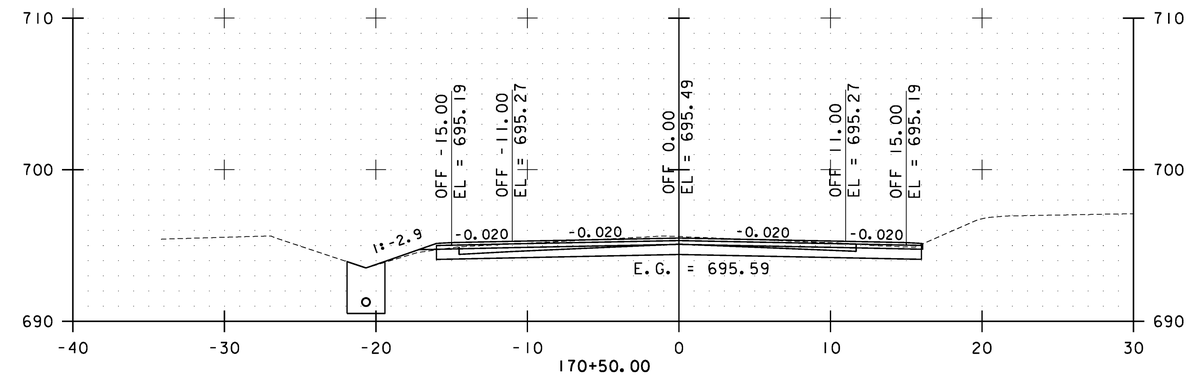
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 341 OF 387

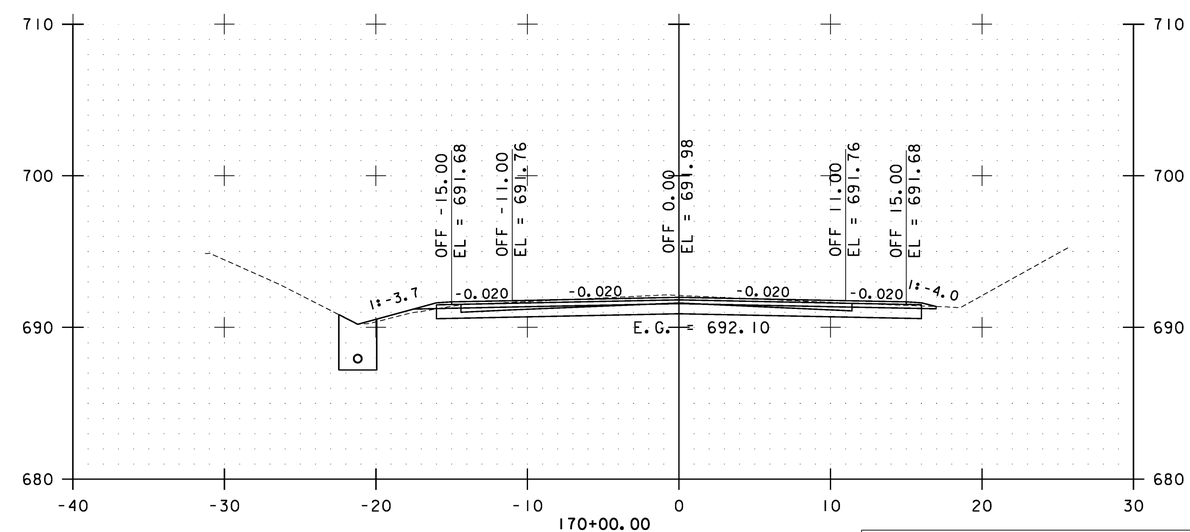












STA. 168+50.00 TO STA. 171+00.00

0 10 20
SCALE

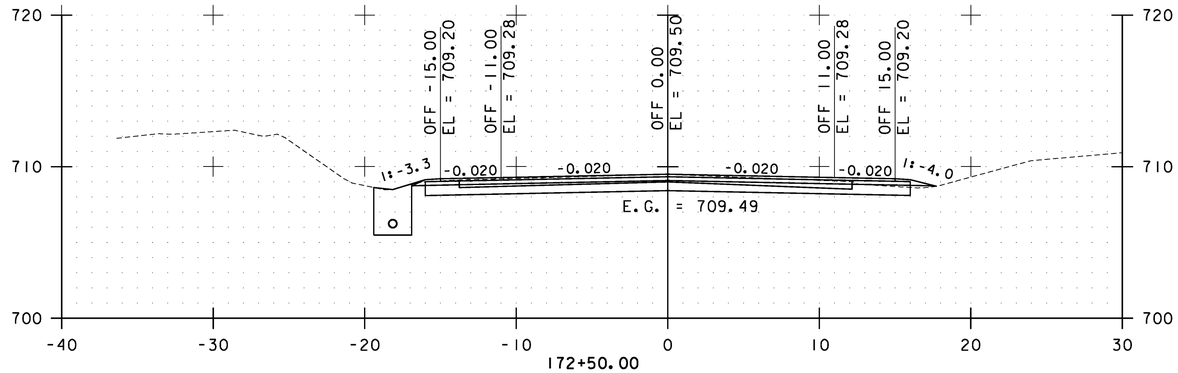
Stantec

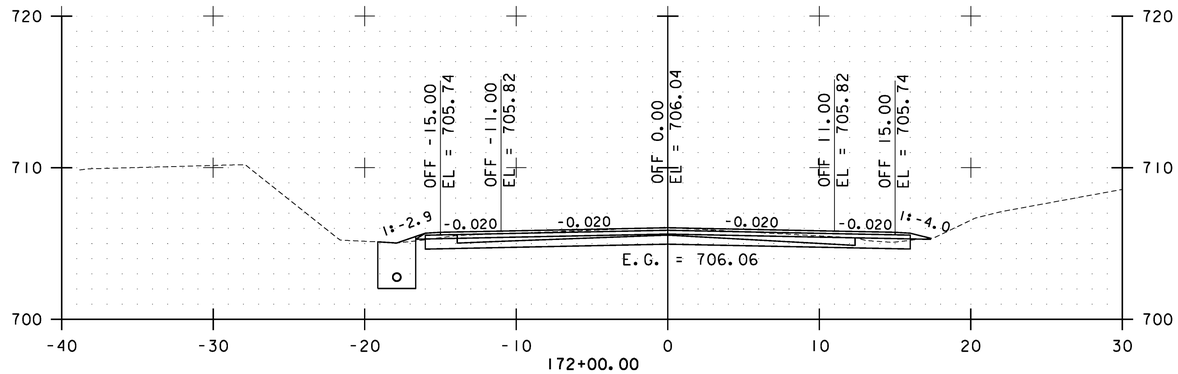
BAKERSFIELD CROSS SECTIONS SHEET #72

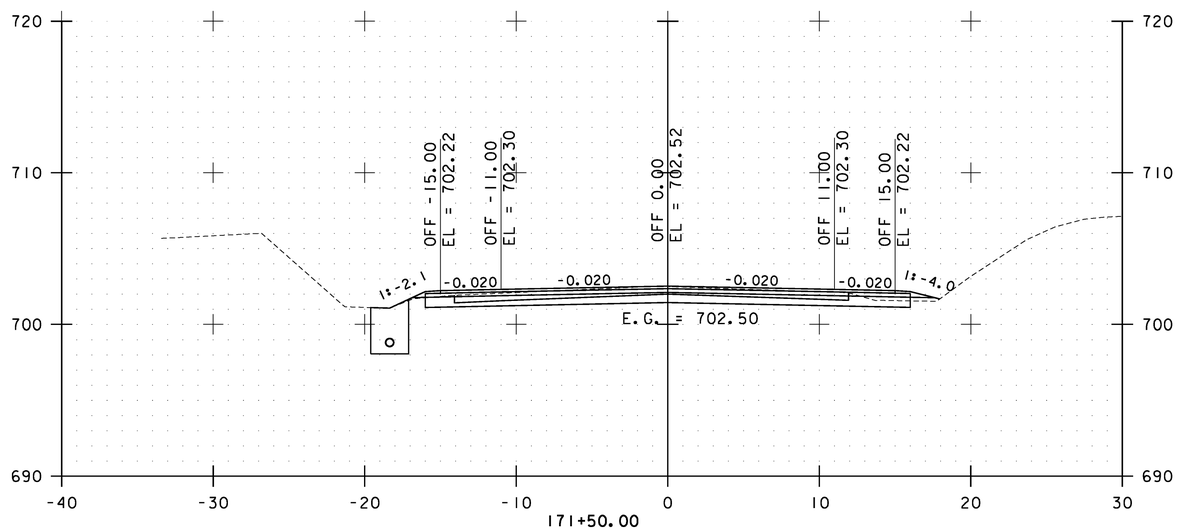
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

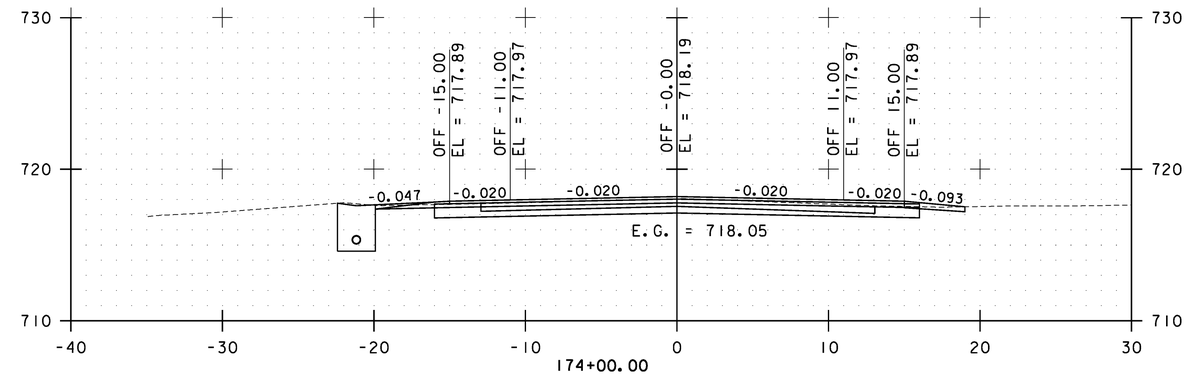
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs72.i

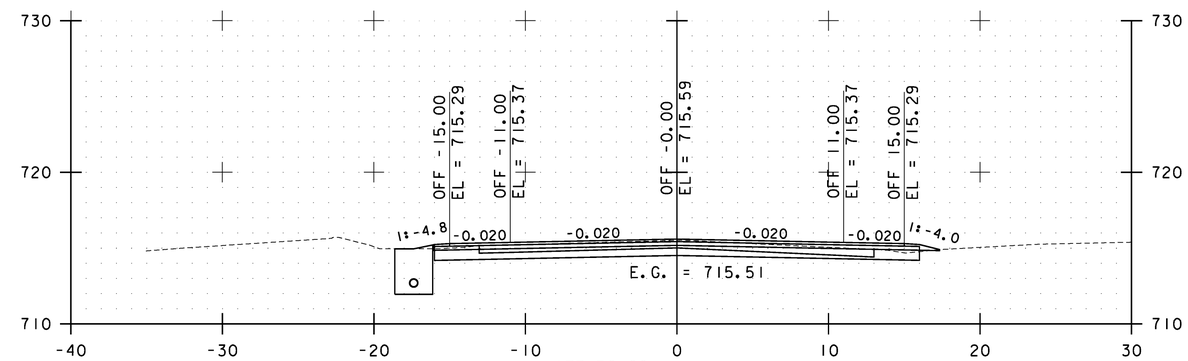
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 342 OF 387

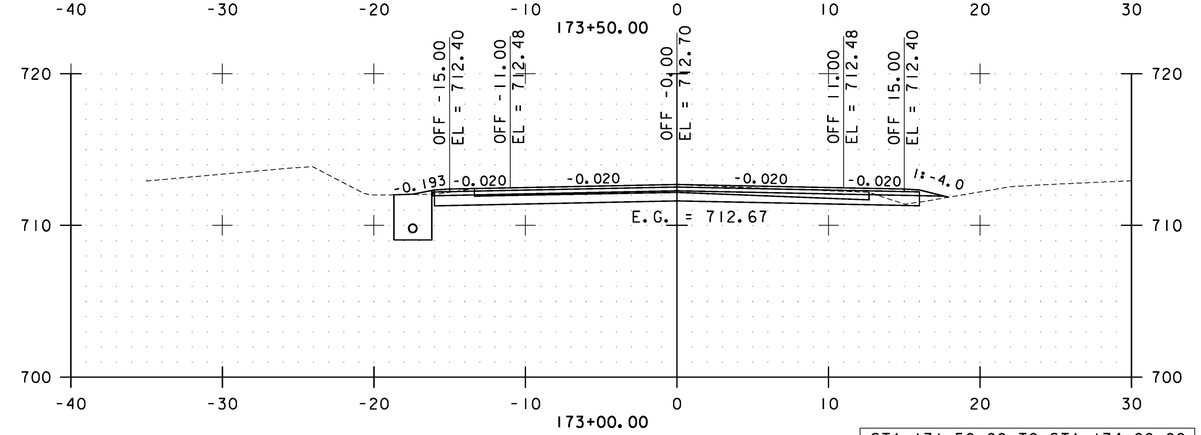












STA. 171+50.00 TO STA. 174+00.00

0 10 20
SCALE

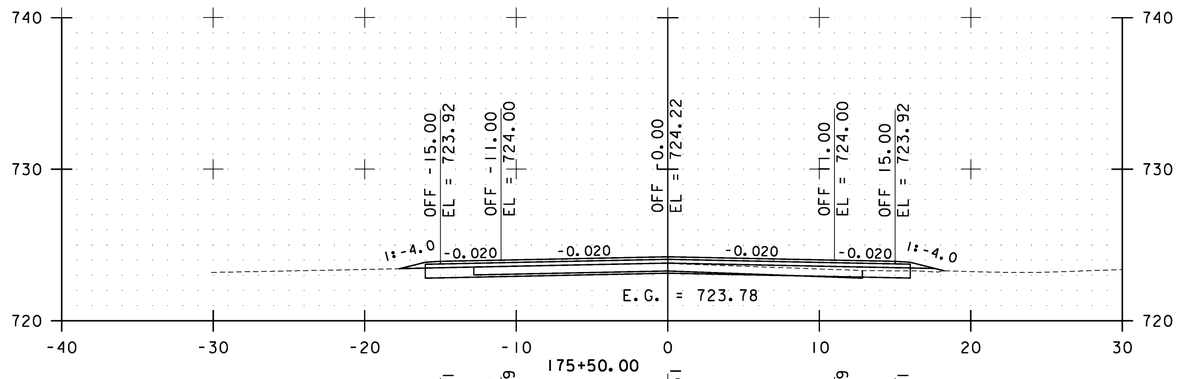
Stantec

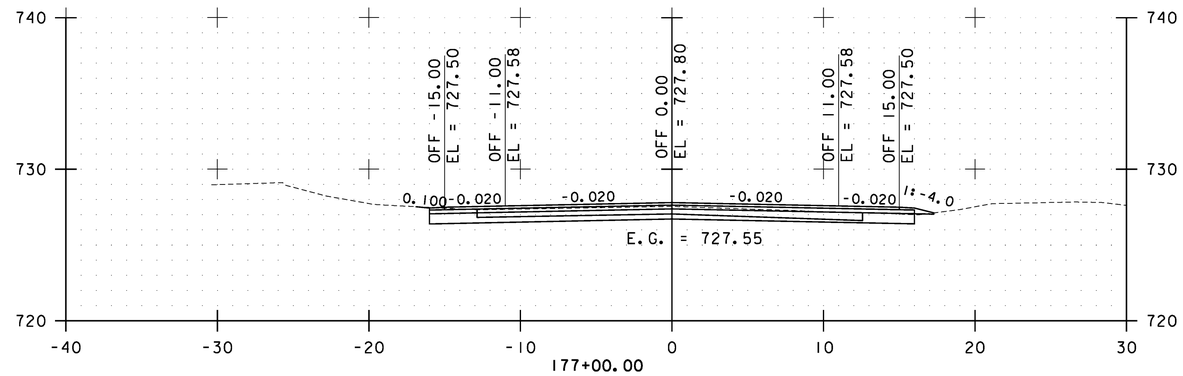
BAKERSFIELD CROSS SECTIONS SHEET #73

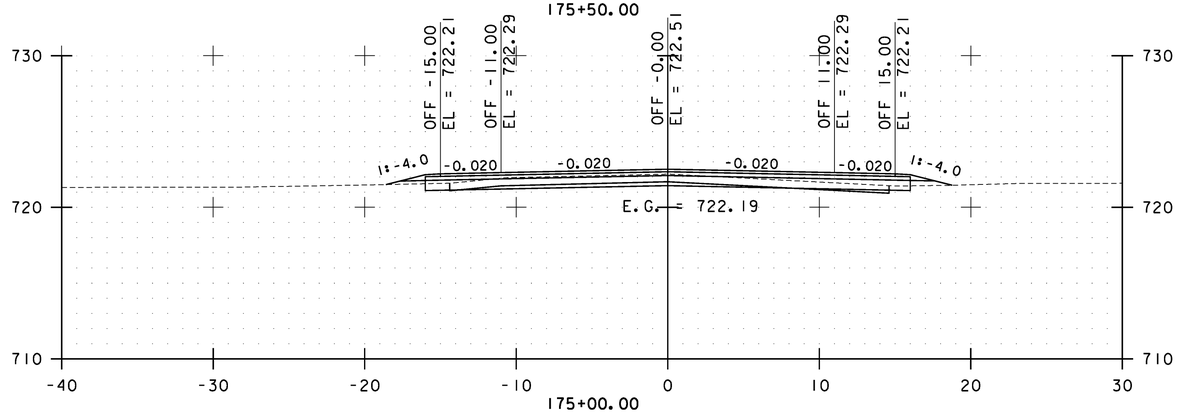
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

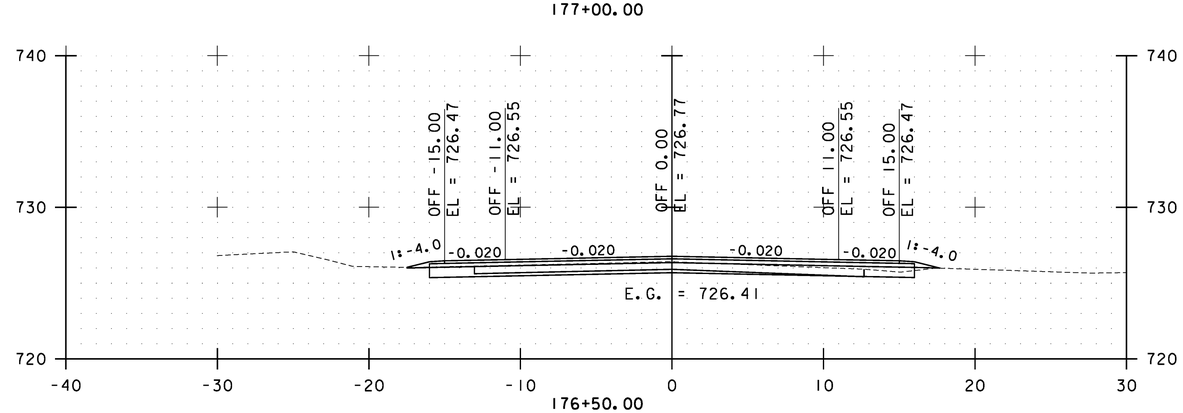
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs73.i

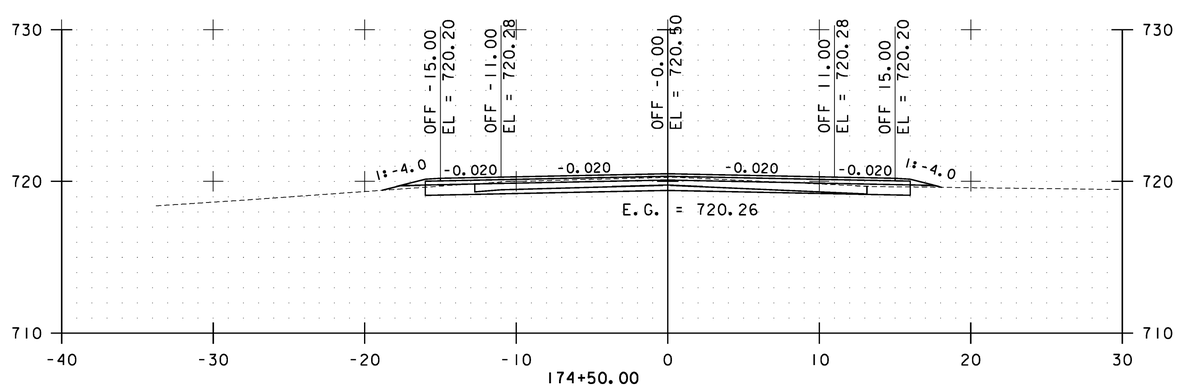
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 343 OF 387

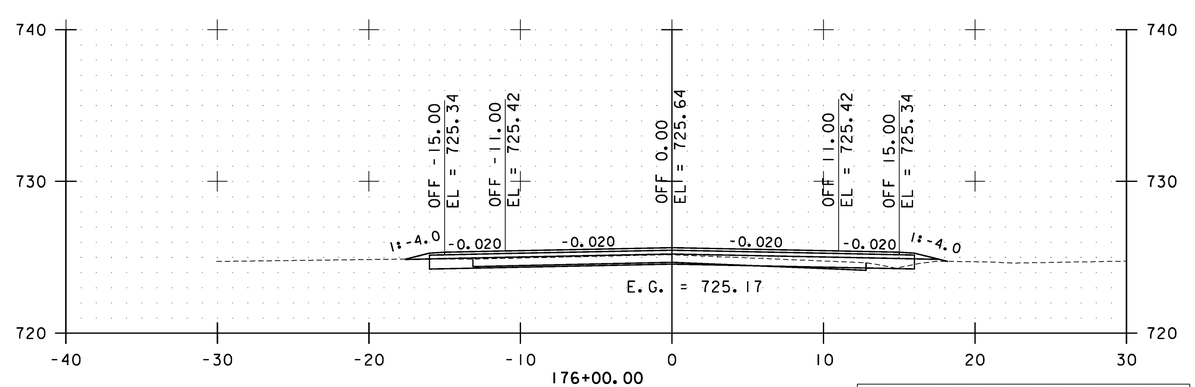












STA. 174+50.00 TO STA. 177+00.00

0 10 20
SCALE

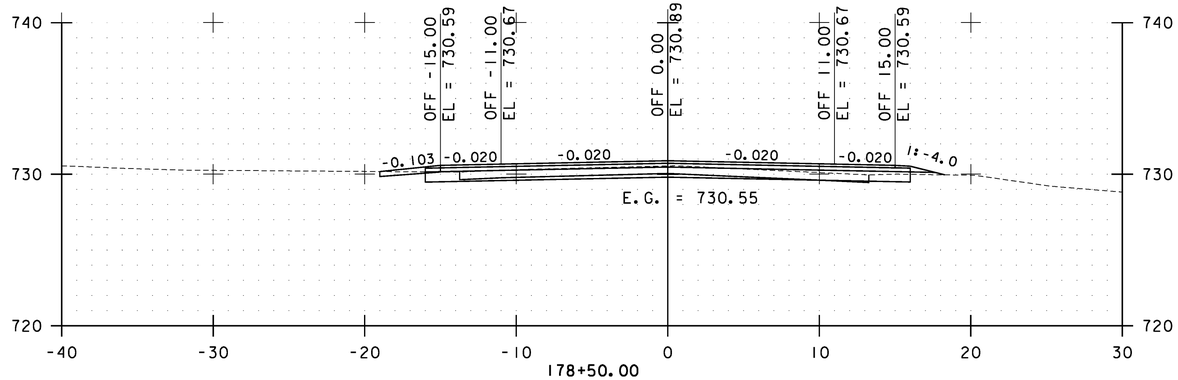
Stantec

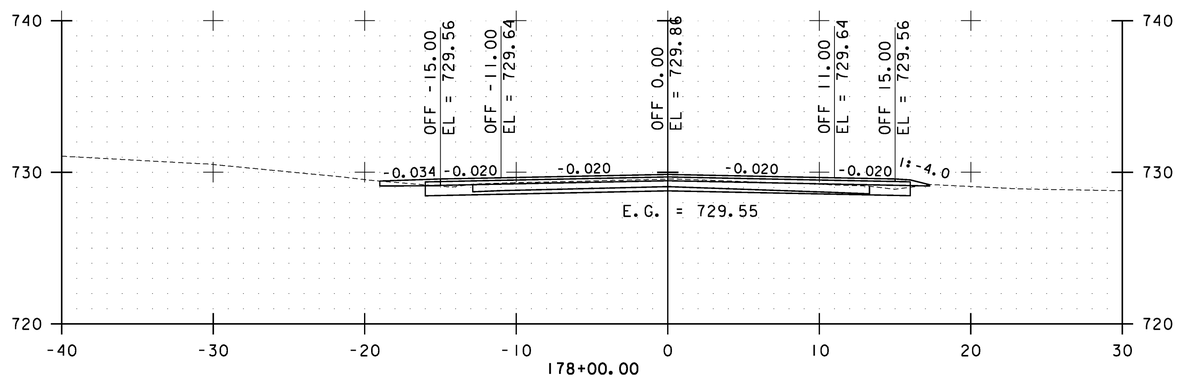
BAKERSFIELD CROSS SECTIONS SHEET #74

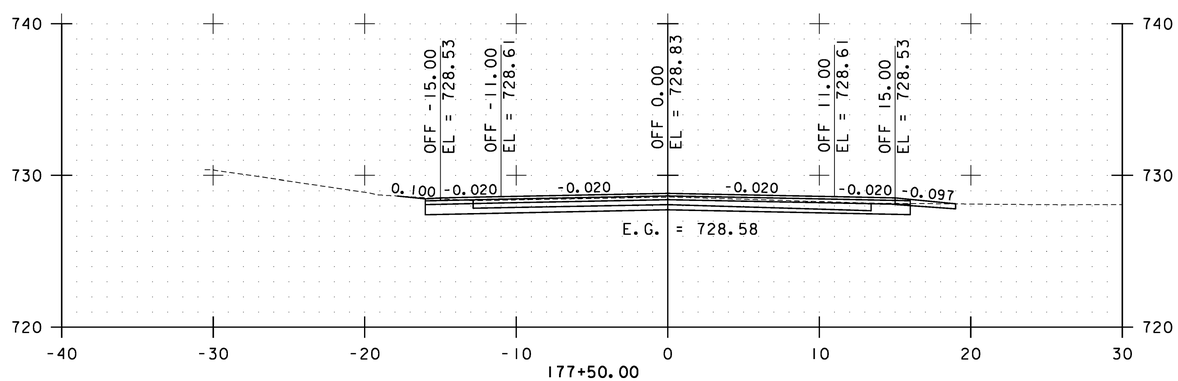
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

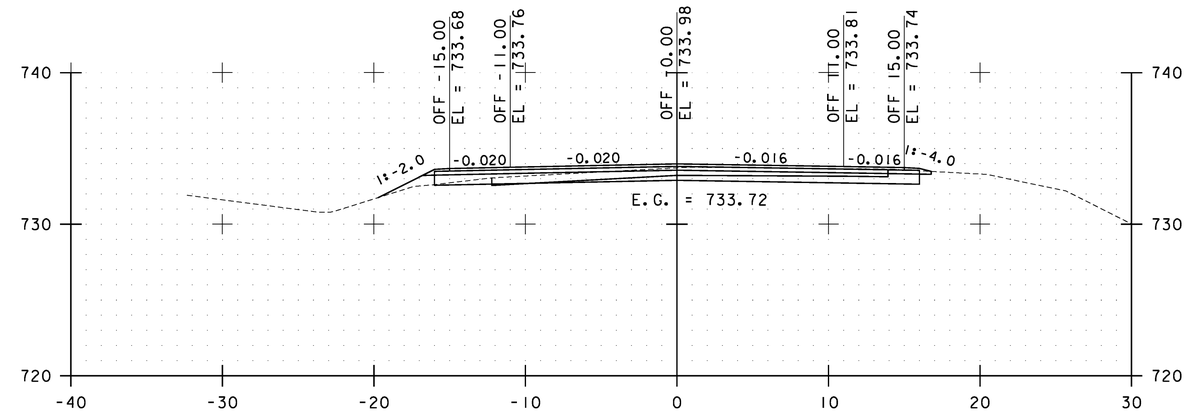
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs74.i

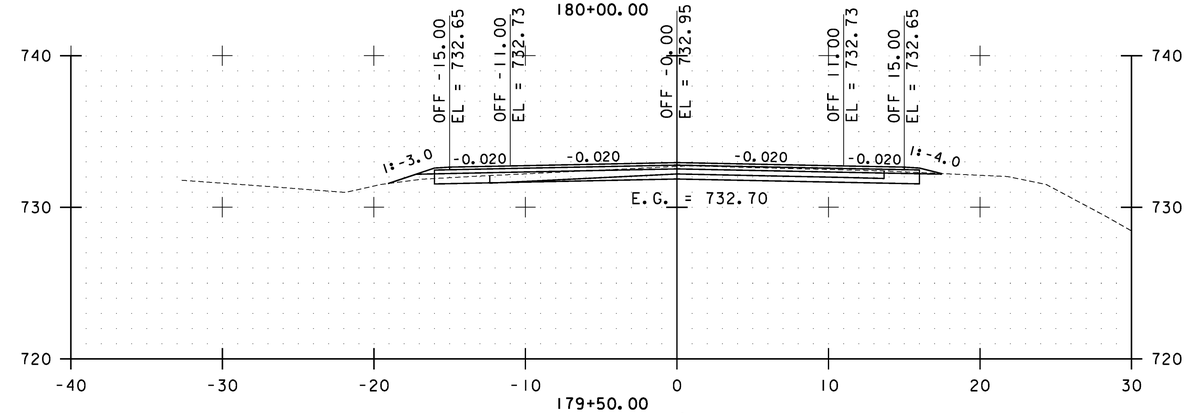
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 344 OF 387

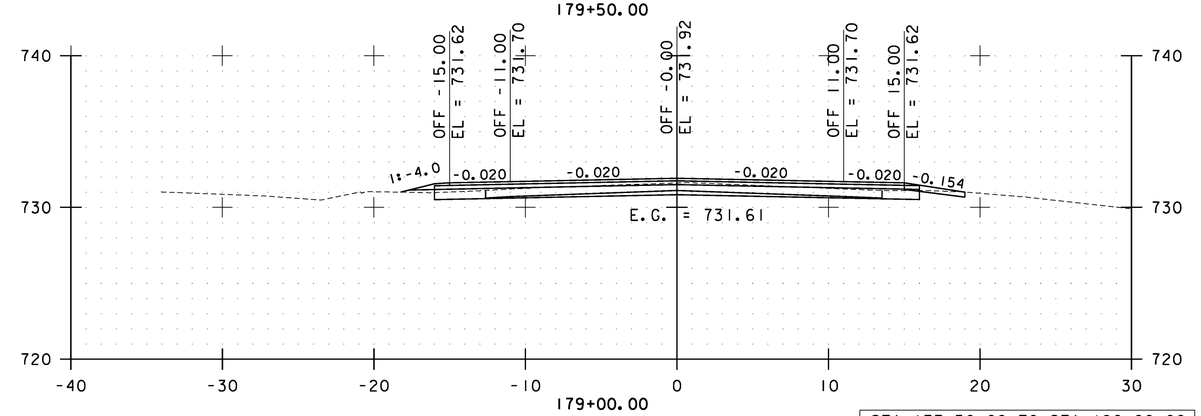












STA. 177+50.00 TO STA. 180+00.00

0 10 20
SCALE

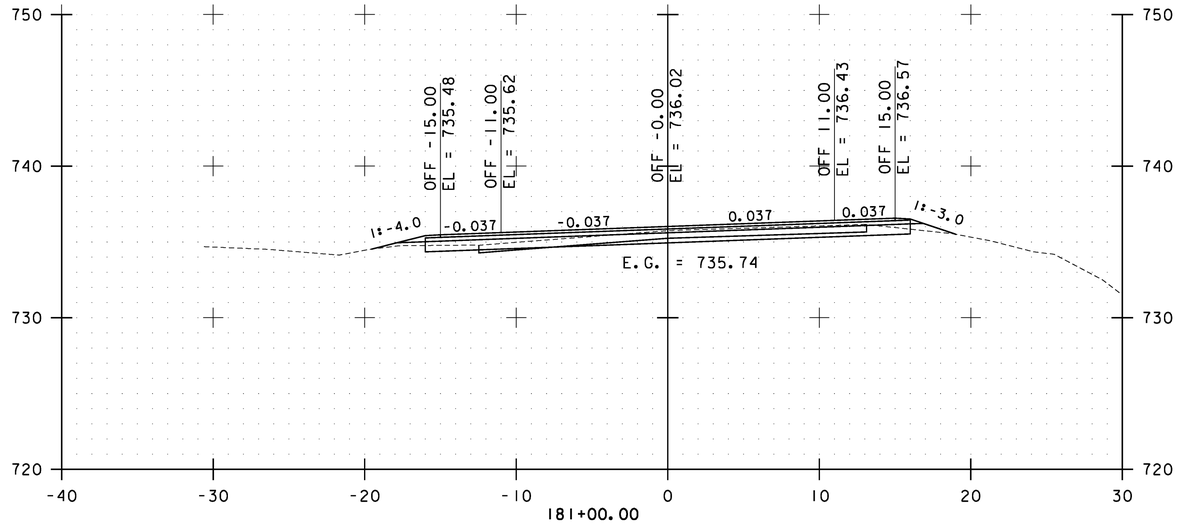
Stantec

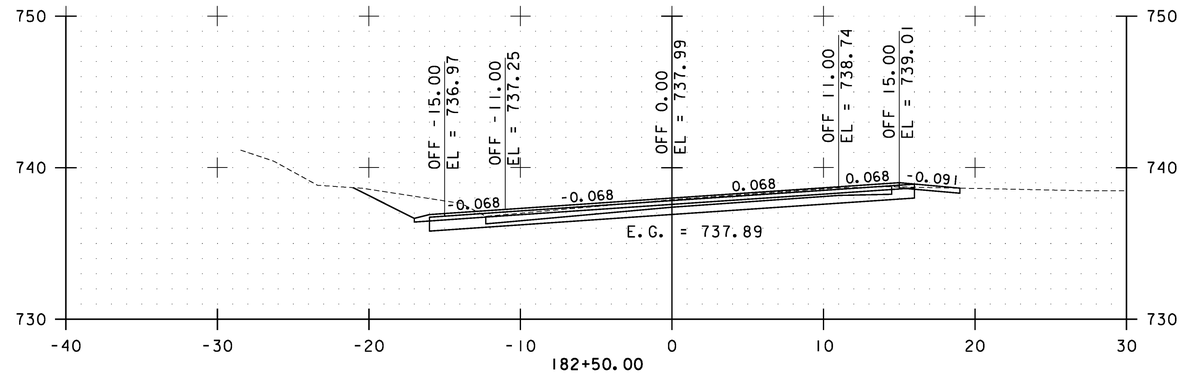
BAKERSFIELD CROSS SECTIONS SHEET #75

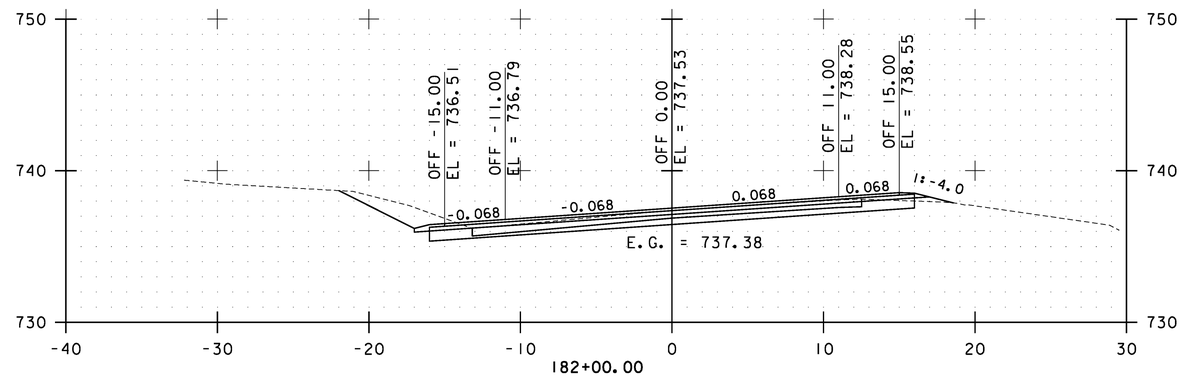
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

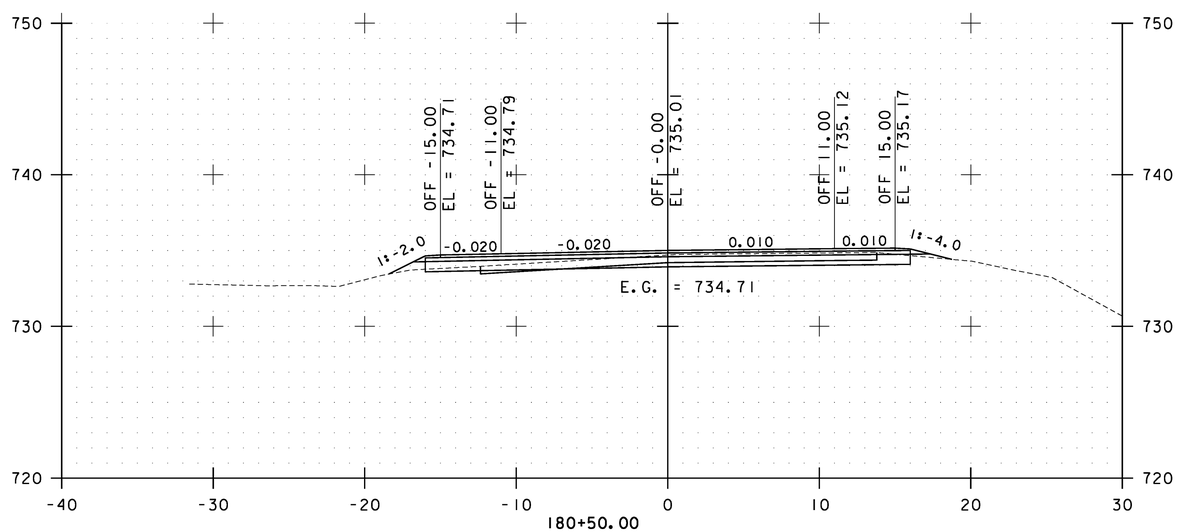
FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs75.i

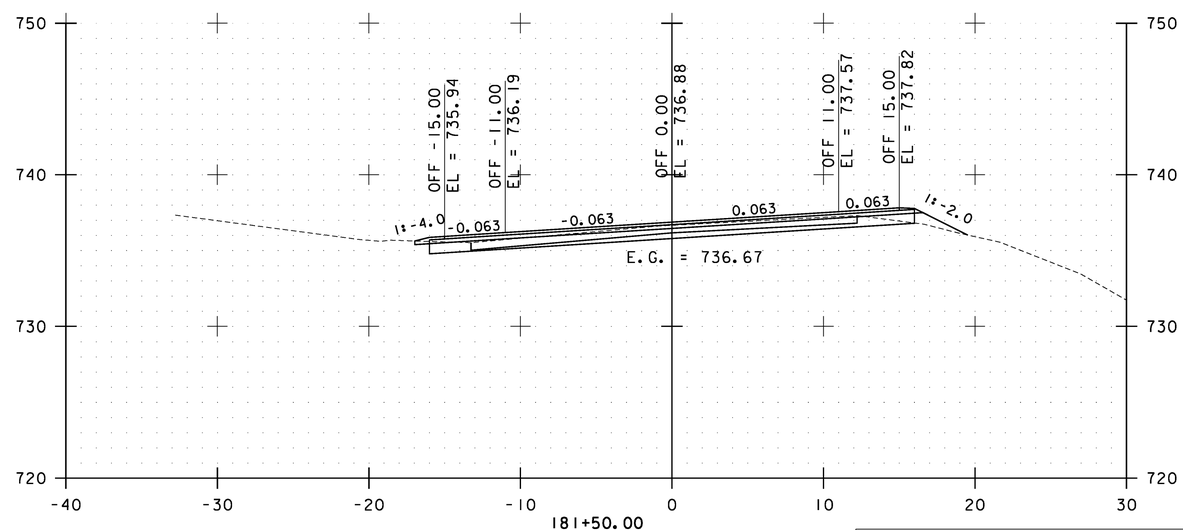
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 345 OF 387











STA. 180+50.00 TO STA. 182+50.00

0 10 20
SCALE

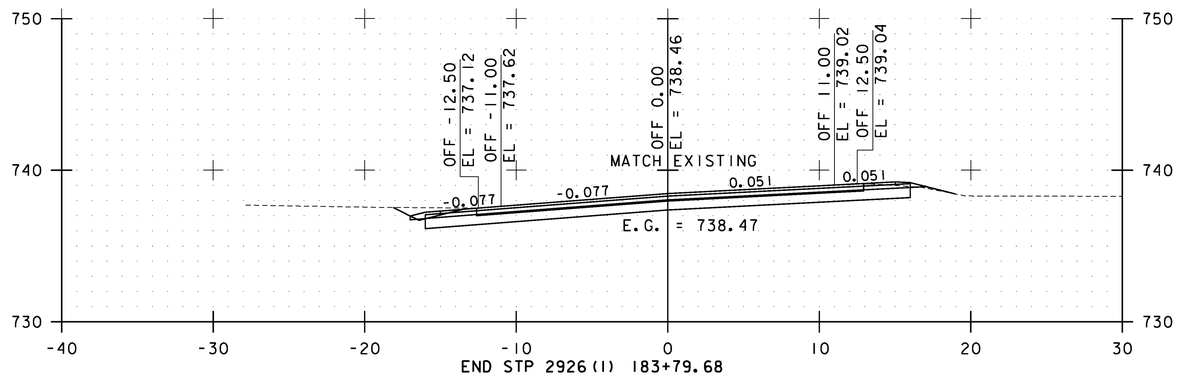
Stantec

BAKERSFIELD CROSS SECTIONS SHEET #76

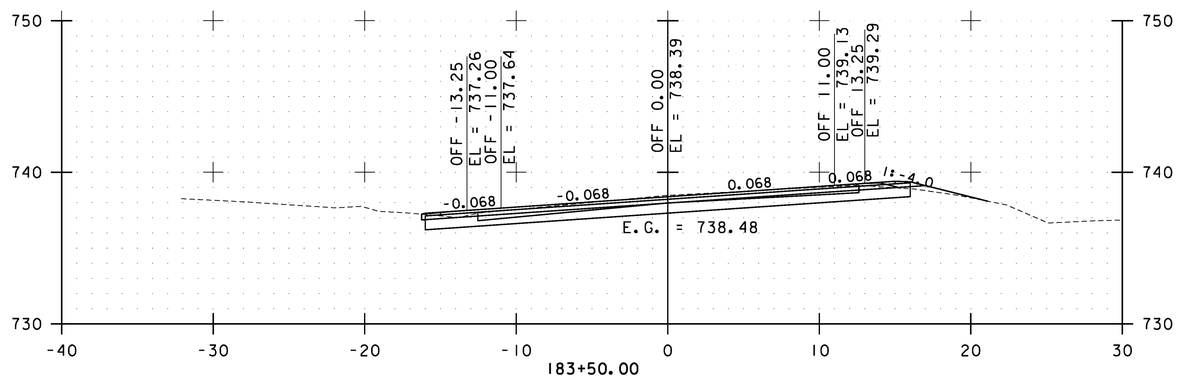
PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs76.i

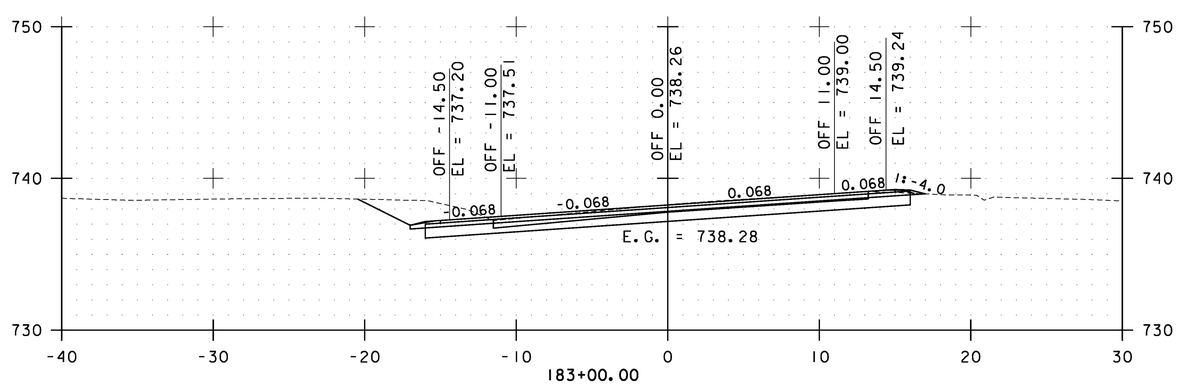
PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 346 OF 387



END STP 2926(1) 183+79.68



183+50.00



183+00.00

STA. 183+00.00 TO STA. 183+79.68

0 10 20
SCALE

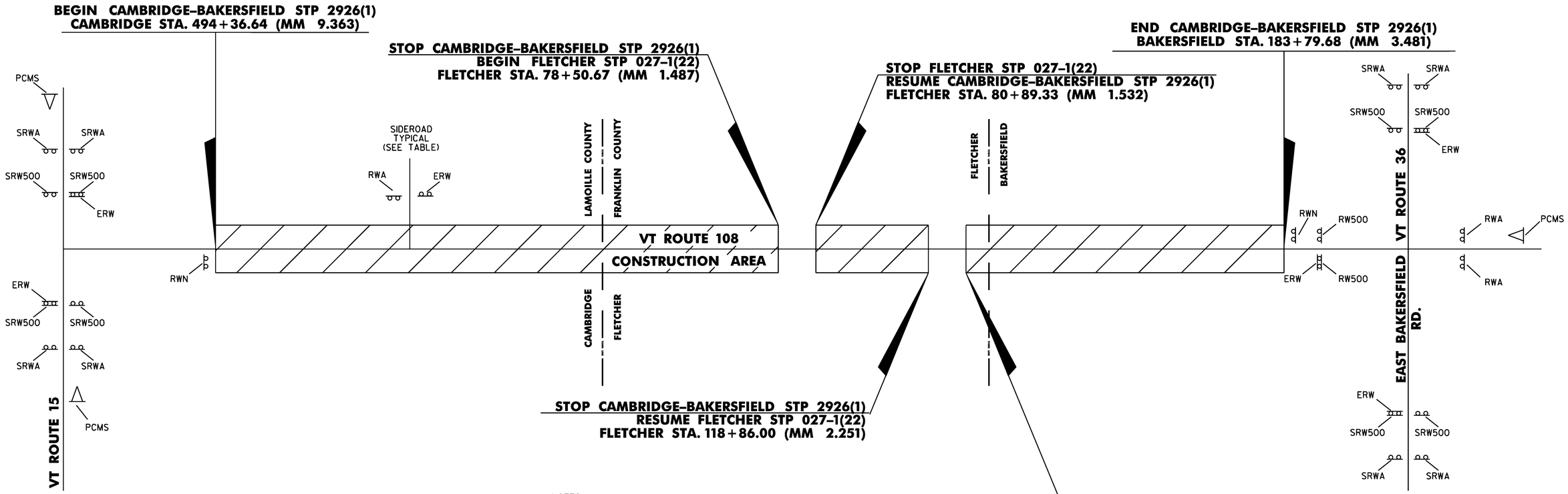
Stantec

BAKERSFIELD CROSS SECTIONS SHEET #77

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258xs77.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 347 OF 387



SEE VAOT STANDARDS E-100 AND E-100A FOR SIGN PLACEMENT.

LOCATION	ERW	RW500	RWA	RWN	SRWA	SRW500	▷
CAMBRIDGE VT ROUTE 108							
VT ROUTE 15	2				4	4	2
VT ROUTE 108 (BEGIN PROJECT)				1			
VT ROUTE 109	1		1				
FISHER RD. (TH#22)	1		1				
POLLANDER RD. (TH#12)	1		1				
FLETCHER VT ROUTE 108							
WILSON RD. (TH#25)	1		1				
LANGE RD. (TH#38)	1		1				
LANGE RD. (TH#38)	1		1				
SHORT RD (TH#39)	1		1				
BAKERSFIELD VT ROUTE 108							
JORDAN RD. (TH#44)	1		1				
GAMBLER RD. (TH#7)	1		1				
GAMBLER RD. (TH#7)	1		1				
LOST NATION RD. (TH#43)	1		1				
OLD STAGE COACH RD. (TH#40)	1		1				
LOST NATION RD. (TH#38)	1		1				
BURNOR RD. (TH#45)	1		1				
BURNOR RD. (TH#45)	1		1				
WHITNEY RD. (TH#34)	1		1				
VT ROUTE 36	1				2	2	
EAST BAKERSFIELD RD.	1				2	2	
VT ROUTE 108 (END PROJECT)	1	2	2	1			1
TOTALS	21	2	18	2	8	8	3

NOTES:

1. THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH STANDARD E-103. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10, TRAFFIC CONTROL.
2. THE BID PRICE FOR TRAFFIC CONTROL, ITEM 641.10, SHALL INCLUDE BUT IS NOT LIMITED TO ALL OF THE FOLLOWING, AS NEEDED: APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VAOT STANDARDS. ALL ADJUSTING, RELOCATING AND REMOVING OF THESE DEVICES AS DIRECTED BY THE ENGINEER SHALL ALSO BE INCLUDED.
3. THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC DEVICES ARE ERECTED OR PLACED, OR EXISTING TRAFFIC CONTROL DEVICES ARE REPLACED OR REPAIRED, THE EQUIPMENT, DESIGN, METHOD OF INSTALLATION, PLACEMENT OR REPAIR SHALL CONFORM WITH SUCH STANDARDS.
4. NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS. EXISTING SIGNS WHICH CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED OR REMOVED.
5. SEE VAOT STANDARD E-100 FOR ADDITIONAL SIGN PLACEMENT DETAILS.
6. CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND AS OUTLINED IN THE SPECIAL PROVISIONS.
7. CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS AND SPECIAL PROVISIONS.
8. DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.
9. RETROREFLECTIVE SHEETING SHALL BE TYPE III OR VIII MINIMUM AS NOTED ON VAOT STANDARD E-100 AND IN SUBSECTION 750.08.
10. WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOMS OF THE SIGNS ARE ABOVE THE TOP OF GUARDRAIL.
11. AS THE CONSTRUCTION OPERATION MOVES, FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 1000 FEET FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC WHEN FLAGGING OPERATIONS CEASE FOR LONGER THAN 15 MINUTES.
12. BARRELS AND CONES SHALL BE USED TO CLEARLY DEFINE THE TRAVEL SPACE AND PROVIDE SEPARATION FROM THE WORK SPACE ALONG ITS ENTIRE LENGTH.
13. FOR LANE CLOSURES GREATER THAN 1/2 MILE LONG, PLACE ONE TYPE III BARRICADE ACROSS THE CLOSED LANE AT 1500 FOOT INTERVALS.

LEGEND

ERW	= END ROAD WORK
RW500	= ROAD WORK 500 FT
RWA	= ROAD WORK AHEAD
RWN	= ROAD WORK NEXT 9 1/2 MILES
SRWA	= SIDE ROAD WORK AHEAD
SRW500	= SIDE ROAD WORK 500 FT
▷	= PORTABLE CHANGEABLE MESSAGE SIGN

Stantec

CONSTRUCTION APPROACH SIGNING SHEET

PROJECT NAME: CAMBRIDGE-BAKERSFIELD
PROJECT NUMBER: STP 2926(1)

FILE NAME: p10b258.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10b258cas.i

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 348 OF 387

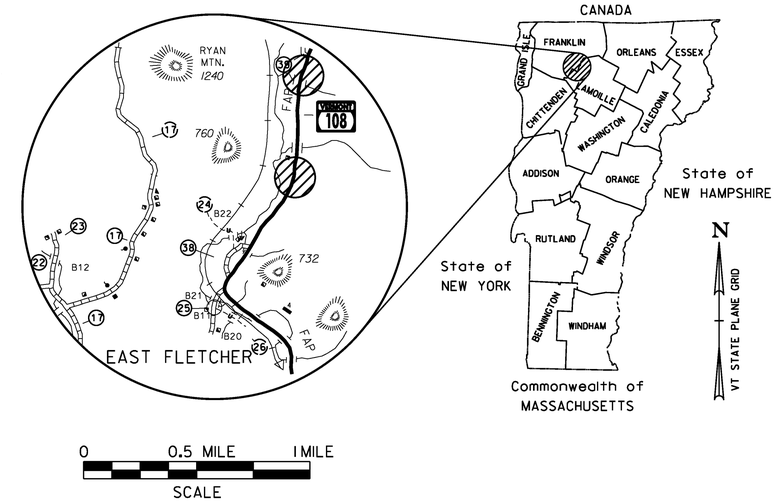
INDEX OF SHEETS

SEE SHEET 2 OF 387

VAOT STANDARDS

SEE SHEET 2 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
TOWN OF FLETCHER
COUNTY OF FRANKLIN
VT ROUTE 108
MINOR ARTERIAL

SITE 1 BEGINNING IN THE TOWN OF FLETCHER ON VT ROUTE 108 AT STA. 78+50.67 (MM 1.487) AND EXTENDING NORTHERLY FOR A DISTANCE OF 238.66 FEET (0.045 MILES) TO STA. 80+89.33 (MM 1.532).

SITE 2 BEGINNING IN THE TOWN OF FLETCHER ON VT ROUTE 108 AT STA. 118+86.00 (MM 2.251) AND EXTENDING NORTHERLY FOR A DISTANCE OF 196.33 FEET (0.037 MILES) TO STA. 120+82.33 (MM 2.288).

TOWN OF FLETCHER VT ROUTE 108	LENGTH (FEET)	LENGTH (MILES)
SITE 1: STA. 78+50.67 TO 80+89.33 (MM 1.487 TO 1.532)	238.66	0.045
SITE 2: STA. 118+86.00 TO 120+82.33 (MM 2.251 TO 2.288)	196.33	0.037
TOTAL LENGTH OF PROJECT:	434.99	0.082
TOTAL LENGTH OF ROADWAY:	434.99	0.082

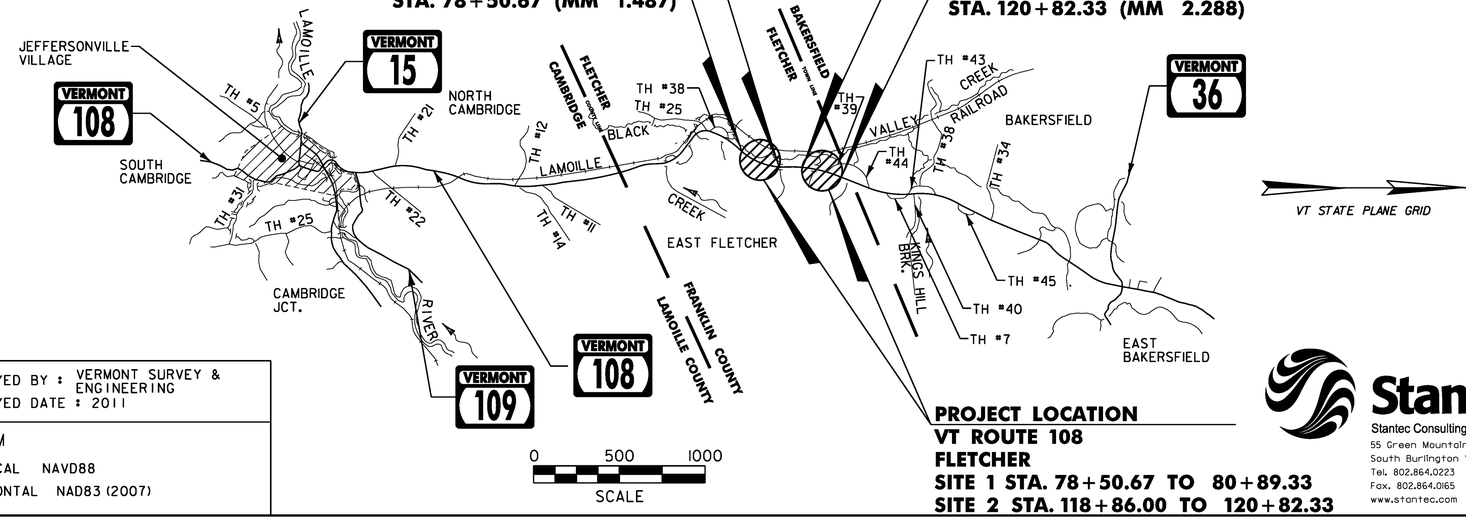
WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES FULL DEPTH RECONSTRUCTION OF SUBBASE AND PAVEMENT, SLOPE REPAIR, CULVERT REPLACEMENT, GUARDRAIL AND OTHER RELATED HIGHWAY ITEMS.

STOP FLETCHER STP 027-1(22)
RESUME CAMBRIDGE-BAKERSFIELD STP 2926(1)
STA. 80+89.33 (MM 1.532)

BEGIN FLETCHER STP 027-1(22)
STOP CAMBRIDGE-BAKERSFIELD STP 2926(1)
STA. 78+50.67 (MM 1.487)

RESUME FLETCHER STP 027-1(22)
STOP CAMBRIDGE-BAKERSFIELD STP 2926(1)
STA. 118+86.00 (MM 2.251)

END FLETCHER STP 027-1(22)
RESUME CAMBRIDGE-BAKERSFIELD STP 2926(1)
STA. 120+82.33 (MM 2.288)



PROJECT LOCATION
VT ROUTE 108
FLETCHER
SITE 1 STA. 78+50.67 TO 80+89.33
SITE 2 STA. 118+86.00 TO 120+82.33

QUALITY ASSURANCE PROGRAM: LEVEL 2

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARDRAIL
RAILROAD
SURVEY LINE
CULVERT
UTILITY POLE
TREES
CONTROL OF ACCESS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS
TOP OF CUT
TOE OF SLOPE

SURVEYED BY : VERMONT SURVEY & ENGINEERING
SURVEYED DATE : 2011

DATUM
VERTICAL NAVD88
HORIZONTAL NAD83 (2007)

TRAFFIC DATA

VT ROUTE 108

AADT		DHV		ESALS	
2012	2022	2012	2022	2012-2022	2012-2032
1500	1600	170	180	463,000	1,156,000

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

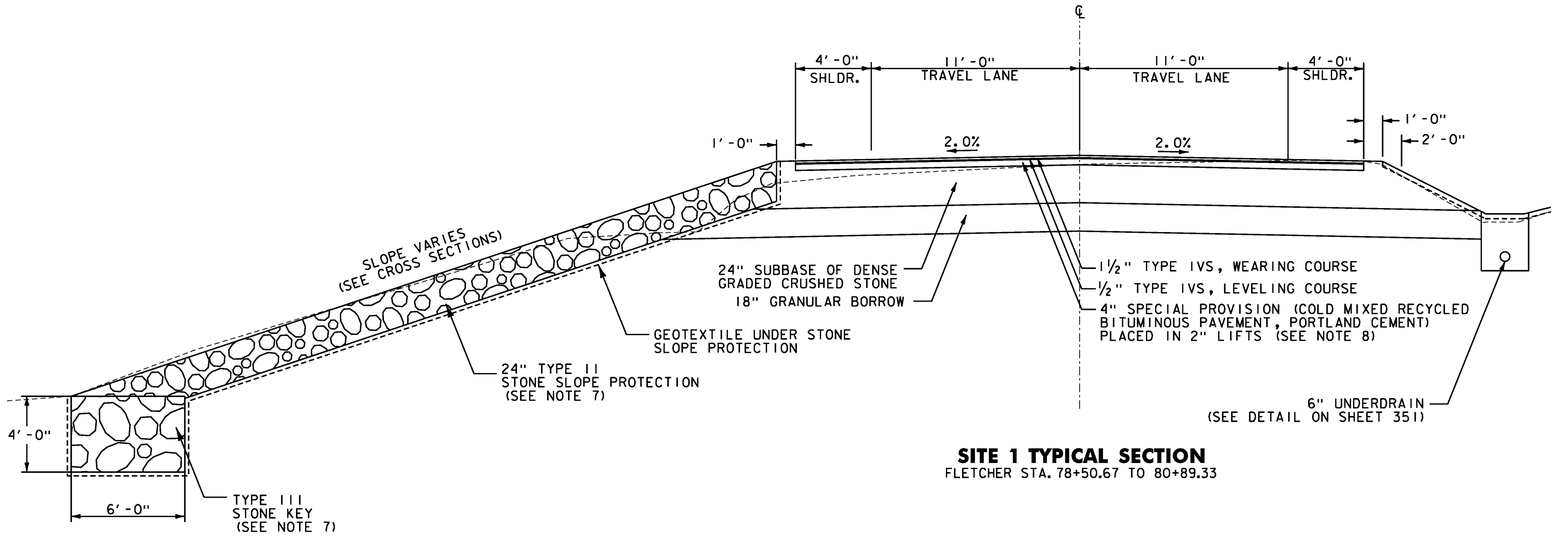
Stantec
Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT U.S.A. 05403
Tel. 802.864.0223
Fax. 802.864.0165
www.stantec.com

PROJECT MANAGER : KEN ROBIE

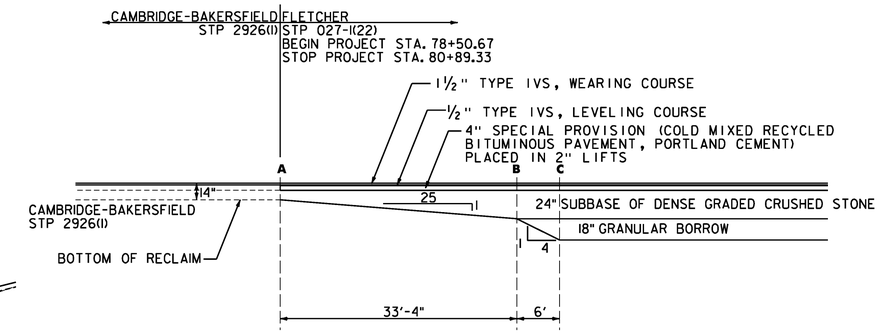
PROJECT NAME : FLETCHER

PROJECT NUMBER : STP 027-1 (22)

MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT COURSES (TOTAL DEPTH)	+ 1/4"
BASE COURSES (TOTAL DEPTH)	+/- 1"
SUBBASE	+/- 1"

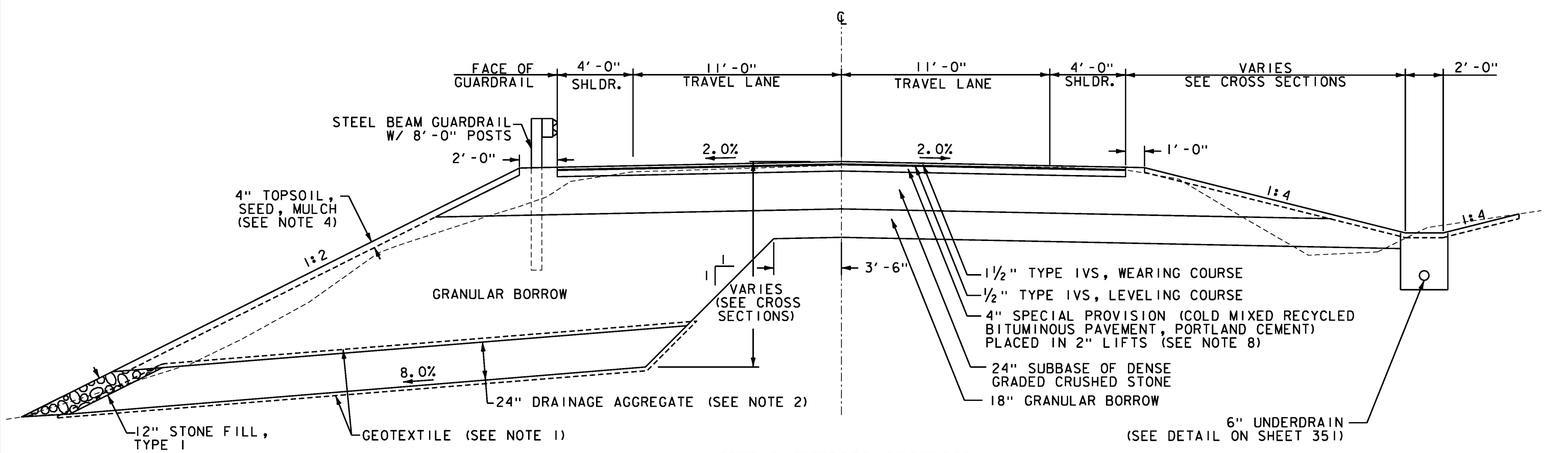


SITE 1 TYPICAL SECTION
FLETCHER STA. 78+50.67 TO 80+89.33

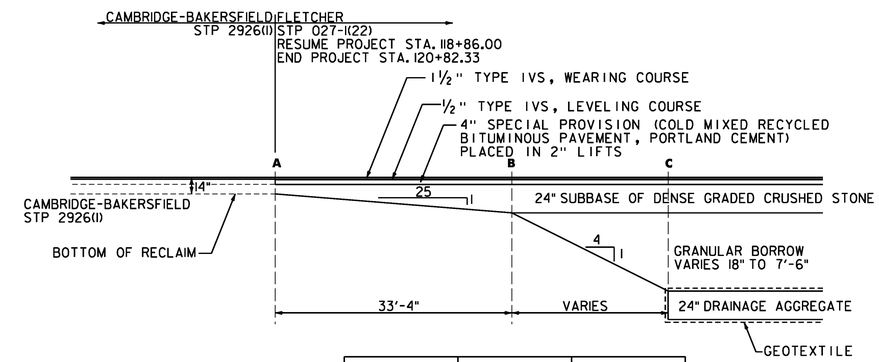


	A	B	C
VT ROUTE 108 SOUTH APPROACH	78+50.67	78+84.00	78+90.00
VT ROUTE 108 NORTH APPROACH	80+89.33	80+56.00	80+50.00

SITE 1
SUBBASE & PAVEMENT TRANSITION DETAIL



SITE 2 TYPICAL SECTION
FLETCHER STA. 118+86.00 TO 120+82.33



	A	B	C
VT ROUTE 108 SOUTH APPROACH	118+86.00	119+19.33	119+39.00
VT ROUTE 108 NORTH APPROACH	120+82.33	120+49.00	120+19.00

SITE 2
SUBBASE & PAVEMENT TRANSITION DETAIL

NOTES:

1. GEOTEXTILE TO BE PAID AS ITEM 649.31 GEOTEXTILE UNDER STONE FILL. GEOTEXTILE SHALL FULLY WRAP AROUND DRAINAGE AGGREGATE. MINIMUM OVERLAP TO BE 24 INCHES OR AS DIRECTED BY ENGINEER.
2. DRAINAGE AGGREGATE TO BE PAID AS ITEM 900.608 - SPECIAL PROVISION (DRAINAGE AGGREGATE).
3. GRANULAR BORROW TO BE PAID AS ITEM 203.32 GRANULAR BORROW.
4. TOPSOIL, SEED AND MULCH TO BE APPLIED AS DIRECTED BY THE RESIDENT ENGINEER.
5. EDGES OF NEW PAVEMENT SHALL INCLUDE A SAFETY EDGE AS SHOWN ON SHEET 351.
6. EMULSIFIED ASPHALT, TYPE CRS-1H, SHALL BE APPLIED AS A TACK COAT ON COLD MIXED RECYCLED PAVEMENT AT A RATE OF 0.04 TO 0.06 GAL/SY. EMULSIFIED ASPHALT TYPE CRS-1H OR RS-1H SHALL BE APPLIED AS A TACK COAT BETWEEN THE ½" LEVELING COURSE AND THE WEARING COURSE OF SUPERPAVE BITUMINOUS CONCRETE PAVEMENT AT A RATE OF 0.025 TO 0.04 GAL/SY. BOTH APPLICATIONS WILL BE PAID UNDER ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H).
7. EXCAVATION FOR STONE SLOPE PROTECTION AND STONE KEY SHALL BE PAID AS ITEM 203.15 COMMON EXCAVATION.
8. FOR THE PURPOSES OF QUANTITY CALCULATION IT HAS BEEN ASSUMED ITEM 900.675 SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT) WILL REQUIRE 4% BY WEIGHT OF ITEM 415.25 EMULSIFIED ASPHALT, COLD MIX. FOR THE SAME PURPOSE IT HAS BEEN ASSUMED 2% BY WEIGHT OF PORTLAND CEMENT WILL BE REQUIRED BY MIX DESIGN.

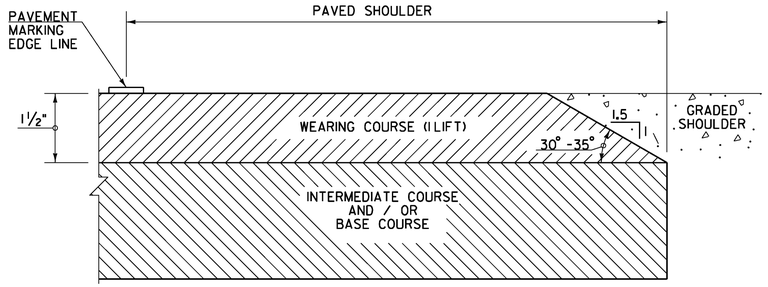
NOT TO SCALE

Stantec

PROJECT TYPICAL SHEET 1

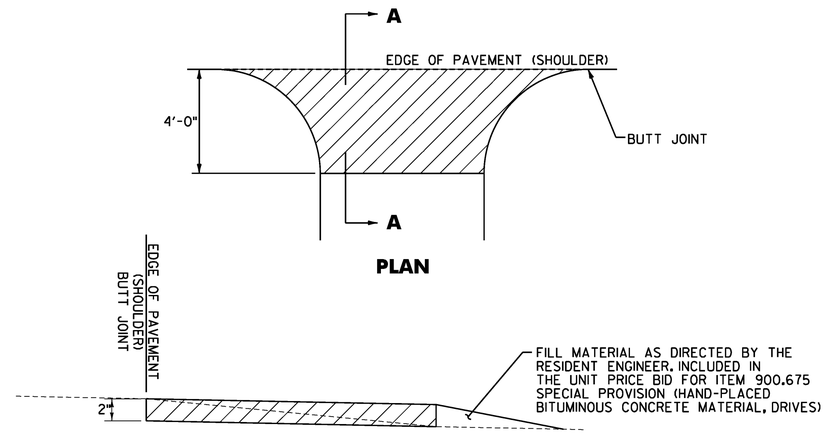
PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\z11b064bdr_typl.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
PROJECT TYPICAL SHEET 1 SHEET 350 OF 387



SAFETY EDGE DETAIL

NOT TO SCALE



SECTION A–A

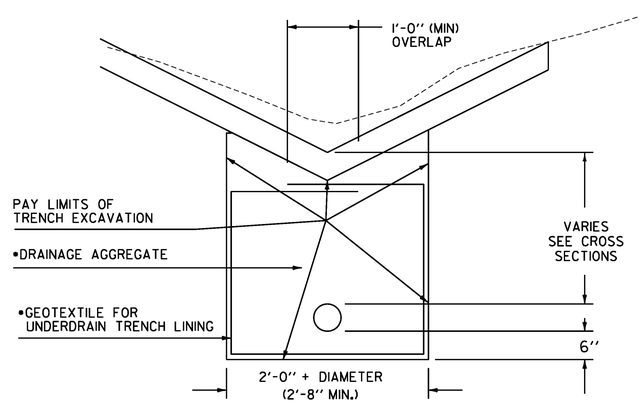
LEGEND

ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)

HANDWORK DETAILS FOR GRAVEL DRIVES

NOTES:

1. PAVING LIFT SHALL BE A MINIMUM OF 1 1/2 " AND A MAXIMUM OF 2".
2. THE COST OF PROVIDING AND PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, AND FOR FILLING JOINTS, CRACKS AND HOLES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
3. EXCAVATION NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).



DRAINAGE AGGREGATE SHALL MEET THE REQUIREMENTS OF SUBSECTION 704.16

• ITEMS ARE INCLUDED IN THE UNIT PRICE BID FOR PAY ITEM 605.10 6 INCH UNDERDRAIN PIPE

UNDERDRAIN DETAIL

NOT TO SCALE

NOTES:

1. GEOTEXTILE FOR UNDERDRAIN TRENCH LINING SHALL NOT BE PLACED AROUND UNDERDRAIN WHEN COVER ABOVE UNDERDRAIN IS LESS THAN 1 FOOT.
2. THE END OF THE UNDERDRAIN PIPE AT THE BEGINNING OF ALL UNDERDRAIN RUNS SHALL BE WRAPPED IN GEOTEXTILE FABRIC. PAYMENT FOR THIS WORK IS INCLUDED IN THE UNIT PRICE BID FOR ITEM 605.10 6 INCH UNDERDRAIN PIPE.

NOT TO SCALE

Stantec

PROJECT TYPICAL SHEET 2

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\p11b064 Plot Boundary.dgn
PROJECT LEADER: GAE
DESIGNED BY: ISM
PROJECT TYPICAL SHEET 2

PLOT DATE: 11/16/2012
DRAWN BY: STANTEC
CHECKED BY: MCF
SHEET 351 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES					TOTALS			DESCRIPTIONS			
					ROADWAY	EROSION CONTROL	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
					2740		2740	CY	COMMON EXCAVATION	203.15	6
					1230		1230	CY	GRANULAR BORROW	203.32	12
					250		250	CY	TRENCH EXCAVATION OF EARTH	204.20	2
					24		24	CY	TRENCH EXCAVATION OF ROCK	204.21	-
					1		1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-
					1090		1090	CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35	7
					300		300	CWT	EMULSIFIED ASPHALT, COLD MIX	415.25	29.5
					170		170	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	1
					2000		2000	LB	REINFORCING STEEL, LEVEL I	507.11	20
					20		20	CY	CONCRETE, CLASS B	541.25	3.6
									BEGIN OPTION AA		
					64		64	LF	42" CAAP .105 (2-2/3 X 1/2)	601.0252	-
					64		64	LF	42" PCCSP .109 (2-2/3 X 1/2)	601.0452	-
									END OPTION AA		
					350		350	LF	6 INCH UNDERDRAIN PIPE	605.10	-
					3		3	EACH	UNDERDRAIN FLUSHING BASIN	605.95	-
					5		5	HR	POWER GRADER RENTAL	608.15	EST.
					5		5	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
					5		5	HR	POWER BROOM RENTAL, TYPE I	608.30	EST.
					5		5	HR	TRUCK RENTAL	608.37	EST.
					5		5	HR	LOADER RENTAL, TYPE I	608.40	EST.
					20		20	CY	STONE FILL, TYPE I	613.10	4
					375		375	CY	STONE FILL, TYPE II	613.11	5
					145		145	CY	STONE FILL, TYPE III	613.12	3
					200		200	LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	10.5
					3		3	EACH	ENERGY ABSORPTION ATTENUATOR	621.56	-
					1		1	EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-
					180		180	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	1.2
					360		360	LF	TEMPORARY TRAFFIC BARRIER	621.90	7
					200		200	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
					400		400	HR	FLAGGERS	630.15	EST.
					1		1	LS	TRAFFIC CONTROL (STP 027-1(22))	641.10	-
									BEGIN OPTION BB		
					900		900	LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	30
					900		900	LF	DURABLE 4 INCH WHITE LINE, EPOXY PAINT	646.403	30
					900		900	LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	30
									END OPTION BB		

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
70	TON	SITE 1, WEARING COURSE TYPE IVS
57	TON	SITE 2, WEARING COURSE TYPE IVS
23	TON	SITE 1, LEVELING COURSE TYPE IVS
19	TON	SITE 2, LEVELING COURSE TYPE IVS
1	TON	ROUNDING
170	TON	TOTAL
		STONE FILL, TYPE II
346	CY	SITE 1 STONE SLOPE REINFORCEMENT
24	CY	SITE 2 DRAINAGE
5	CY	ROUNDING
375	CY	TOTAL

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\z11b064bdr_qtyl.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
QUANTITY SHEET 1 SHEET 352 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES					TOTALS			DESCRIPTIONS			
					ROADWAY	EROSION CONTROL	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
									BEGIN OPTION CC		
					900		900	LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	30
					900		900	LF	DURABLE 4 INCH YELLOW LINE, EPOXY PAINT	646.413	30
					900		900	LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	30
									END OPTION CC		
					2850		2850	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	18
					1800		1800	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	60
					30		30	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	2
					350		350	SF	PAVEMENT MARKING MASK	646.86	7
					1450		1450	SY	GEOTEXTILE UNDER STONE FILL	649.31	22
						190	190	SY	GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED	649.515	11
					25		25	LB	SEED	651.15	EST.
					200		200	LB	FERTILIZER	651.18	EST.
					1		1	TON	AGRICULTURAL LIMESTONE	651.20	EST.
					1		1	TON	HAY MULCH	651.25	EST.
					20		20	CY	TOPSOIL	651.35	EST.
						350	350	SY	TEMPORARY EROSION MATTING	653.20	4
						12	12	CY	TEMPORARY STONE CHECK DAM, TYPE I	653.25	1.4
						120	120	CY	VEHICLE TRACKING PAD	653.35	-
						660	660	LF	BARRIER FENCE	653.50	9
						245	245	LF	PROJECT DEMARCATION FENCE	653.55	6
					1		1	EACH	DELINEATOR WITH STEEL POST	676.10	-
					1		1	EACH	TEMPORARY TRAFFIC SIGNAL SYSTEM	678.40	-
					180		180	CY	SPECIAL PROVISION (DRAINAGE AGGREGATE)	900.608	1
					1		1	LS	SPECIAL PROVISION (TEMPORARY ROADWAY WIDENING) (SITE 1)	900.645	-
					1		1	LS	SPECIAL PROVISION (TEMPORARY ROADWAY WIDENING) (SITE 2)	900.645	-
					1460		1460	SY	SPECIAL PROVISION (COLD MIXED RECYCLED BITUMINOUS PAVEMENT, PORTLAND CEMENT)	900.675	10
					15		15	SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	1
					470		470	TON	SPECIAL PROVISION (MATERIAL TRANSFER DEVICE)	900.680	5
					10		10	TON	SPECIAL PROVISION (PORTLAND CEMENT FOR COLD MIXED RECYCLING)	900.680	4.56
					15		15	CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)	900.683	3

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS
		GEOTEXTILE UNDER STONE FILL
735	SY	SLIDE 1 STONE SLOPE REINFORCEMENT
635	SY	SLIDE 2 DRAINAGE (STONE FILL, TYPE I)
58	SY	SLIDE 2 DRAINAGE (STONE FILL, TYPE II)
22	SY	ROUNDING
1450	SY	TOTAL

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\z11b064bdr_qty2.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
QUANTITY SHEET 2 SHEET 353 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

STATION	DIST FT.	TOTAL EXCAVATION EARTH AND ROCK AREA S.F.	TOTAL EXCAVATION EARTH AND ROCK VOLUME C.Y.	ROCK EXCAVATION AREA S.F.	ROCK EXCAVATION VOLUME C.Y.	EMBANKMENT AREA S.F.	EMBANKMENT VOLUME C.Y.	AREA S.F.	VOLUME C.Y.
FLETCHER - ROUTE 108									
Site 1:									
78+50.67		19							
	33		60						
78+84		80							
	6		30						
78+90		193							
	10		72						
79+00		195							
	50		350					CUT	1231
79+50		183						ROCK	0
	50		326					R.FAC	0.495
80+00		170						FILL	19
	50		314				2	F.FAC	1.15
80+50		169				3		EX. C	1209
	6		26				2		
80+56		65				16			
	33		52				15		
80+89.33		19				8			
Site 2:									
118+86		36				0			
	14		25						
119+00		60				0			
	19		53						
119+19		87				0			
	19.7		130						
119+39		271				0			
	11		117						
119+50		302				0			
	50		614				11	CUT	1503
120+00		362				12		ROCK	0
	19		255				13	R.FAC	0.495
120+19		364				24		FILL	105
	24		224				31	F.FAC	1.15
120+43		140				45		EX. C	1382
	6		24				10		
120+49		71				44			
	1		3				1		
120+50		70				36			
	32		59				39		
120+82.33		29				30			

STATION	DIST FT.	TOTAL EXCAVATION EARTH AND ROCK AREA S.F.	TOTAL EXCAVATION EARTH AND ROCK VOLUME C.Y.	ROCK EXCAVATION AREA S.F.	ROCK EXCAVATION VOLUME C.Y.	EMBANKMENT AREA S.F.	EMBANKMENT VOLUME C.Y.	AREA S.F.	VOLUME C.Y.

STATION	DIST FT.	TOTAL EXCAVATION EARTH AND ROCK AREA S.F.	TOTAL EXCAVATION EARTH AND ROCK VOLUME C.Y.	ROCK EXCAVATION AREA S.F.	ROCK EXCAVATION VOLUME C.Y.	EMBANKMENT AREA S.F.	EMBANKMENT VOLUME C.Y.	AREA S.F.	VOLUME C.Y.

SUMMARY AND BALANCES

STATION TO STATION		TOT EXC. EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	EXCESSES CUT	EXCESSES FILL	ACUMULATIVE EXCESSES CUT	ACUMULATIVE EXCESSES FILL
78+50.67	80+89.33	1231	0	19	1209		1209	
118+86.00	120+82.33	1503	0	105	1382		2591	
TOTALS		**2734**	**0**	**124**				

REMARKS

EARTH AND ROCK EXCAVATION	2734
SOLID ROCK EXCAVATION	0
EARTH EXCAVATION	2734
PLANIMETERED FILL	124
LESS FACTORED SOLID ROCK	0
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0
NET PLANIMETERED FILL	124
FACTOR	1.15
PLANIMETERED FILL INCLUDING FACTOR	143
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	2734
CHANNEL EXCAVATION	0
UNDERDRAIN EXCAVATION	77
STRUCTURE EXCAVATION	0
TOTAL MATERIAL AVAILABLE FOR FILL	2811
TOTAL FILL INCLUDING FACTOR	143
TOTAL MATERIAL FOR FILL	2811
BORROW	
EXCESS EXCAVATION	2668

Stantec

EARTHWORK SHEET

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_ew.dgn
PROJECT LEADER: GAE
DESIGNED BY: ISM
EARTHWORK SHEET

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: MCF
SHEET 354 OF 387

STATE OF VERMONT
AGENCY OF TRANSPORTATION

RIGHT - OF - WAY DETAIL SHEET

TABLE OF PROPERTY ACQUISITION

PARCEL NO.	PROPERTY OWNER	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKE	REMAINDER	RIGHT			RECORDING DATA					REMARKS
					AREA±	AREA±	TYPE	(T)/(P)	AREA ±	TITLE	DATE	TOWN / CITY	BOOK	PAGE	
1	NEWBURY III, GEORGE & CLAUDIA	4	120+33.00 LT	120+48.00 LT			DRAINAGE	(P)							

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION	DATE

PLAN LEGEND

	EXISTING RIGHT-OF-WAY		TOE OF SLOPE
	TAKING WITH ACCESS		TOP OF CUT
	TAKING WITHOUT ACCESS	SR (P)	SLOPE RIGHT
CZ	CLEAR ZONE	CONST. (T)	CONSTRUCTION RIGHT
P L	PROPERTY LINE	PDF PDF	PROJECT DEMARCATION FENCE

EC -EROSION CONTROL
(P) -PERMANENT
(T) -TEMPORARY
DR. -DRAINAGE RIGHT
DIT. -DITCHING RIGHT
CH. -CHANNEL RIGHT
DRIVE -DRIVE RIGHT
CUL. -CULVERT RIGHT
BND -BOUND (PROPERTY MARKER)
SR -SLOPE RIGHT
UE -UTILITY EASEMENT

APPROVED: HARRY PETROVS DATE: 08-01-12
CHIEF, PLANS & TITLES

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

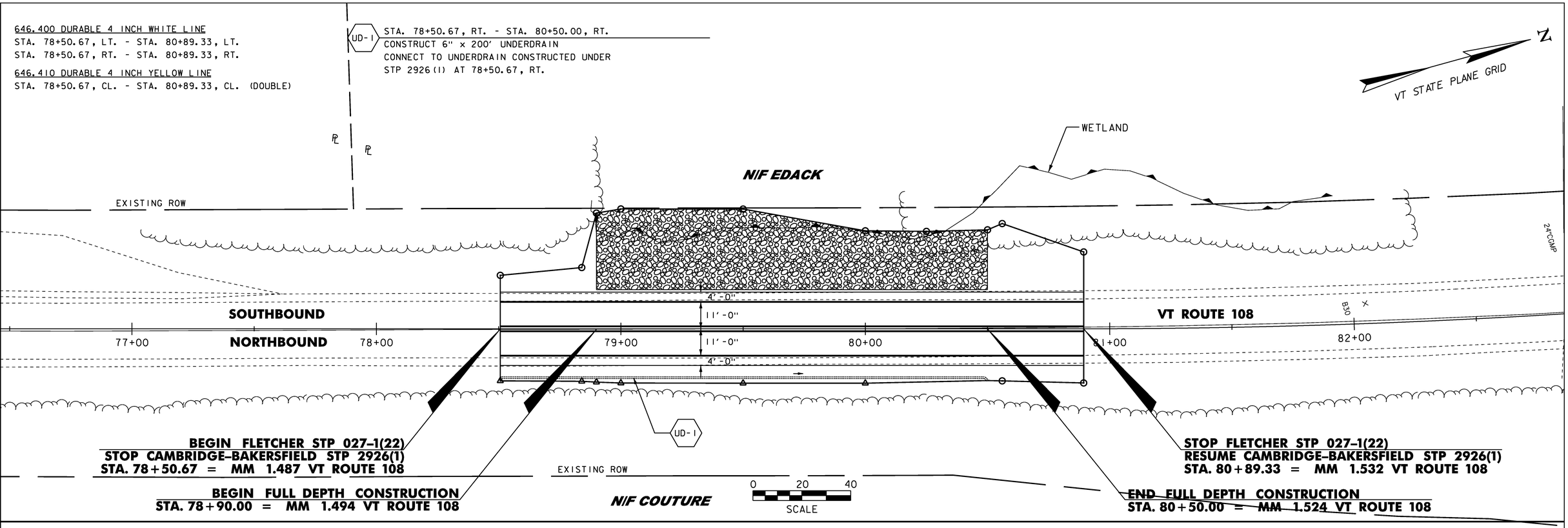
FILE NAME: rllb064detail.xls
PROJECT LEADER: K. ROBIE
DESIGNED BY: ISM
R.O.W. SHET 2 OF 6

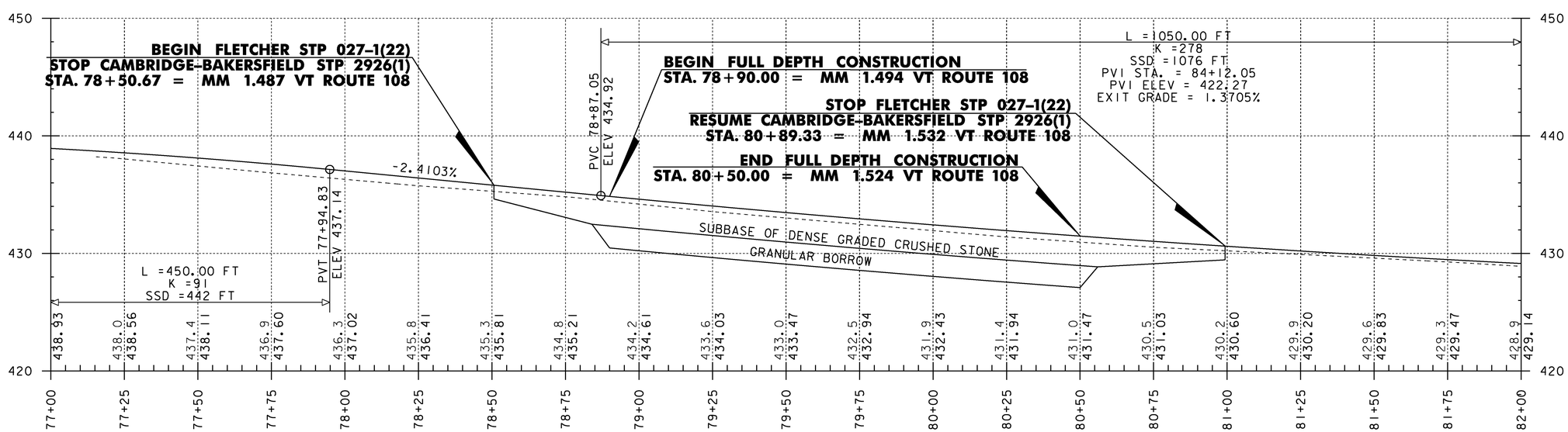
PLOT DATE: 10-AUG-2012
DRAWN BY: M. TROTTIER
CHECKED BY: J. BLANCHARD
SHEET 355 OF 387

646.400 DURABLE 4 INCH WHITE LINE
STA. 78+50.67, LT. - STA. 80+89.33, LT.
STA. 78+50.67, RT. - STA. 80+89.33, RT.

646.410 DURABLE 4 INCH YELLOW LINE
STA. 78+50.67, CL. - STA. 80+89.33, CL. (DOUBLE)

UD-1
STA. 78+50.67, RT. - STA. 80+50.00, RT.
CONSTRUCT 6" x 200' UNDERDRAIN
CONNECT TO UNDERDRAIN CONSTRUCTED UNDER
STP 2926(1) AT 78+50.67, RT.





LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

FOR R.O.W. USE ONLY

0 20 40
SCALE
IH : 4V
10
5
0

PROJECT NAME: FLETCHER	
PROJECT NUMBER: STP 027-1(22)	
FILE NAME: rllb064_layl.dgn	PLOT DATE: 10-AUG-2012
PROJECT LEADER: K. ROBIE	DRAWN BY: J. BLANCHARD
DESIGNED BY: STANTEC	CHECKED BY: H. PETROVS
R.O.W. SHET 3 OF 6	SHEET 356 OF 387

NOTES:

1) PIPE OPTION 1 SHALL BE THE CONTRACTORS OPTION FOR EITHER CAAP OR PCCSP

100 — STA. 120+41.0, LT. - STA. 120+45.0, RT.
CONSTRUCT 42" x 64' PIPE OPTION 1
CONSTRUCT HEADWALL @ INLET AND OUTLET
CONSTRUCT STONE FILL TYPE II INLET AND OUTLET PROTECTION
INVERT IN = 457.87
INVERT OUT = 454.48

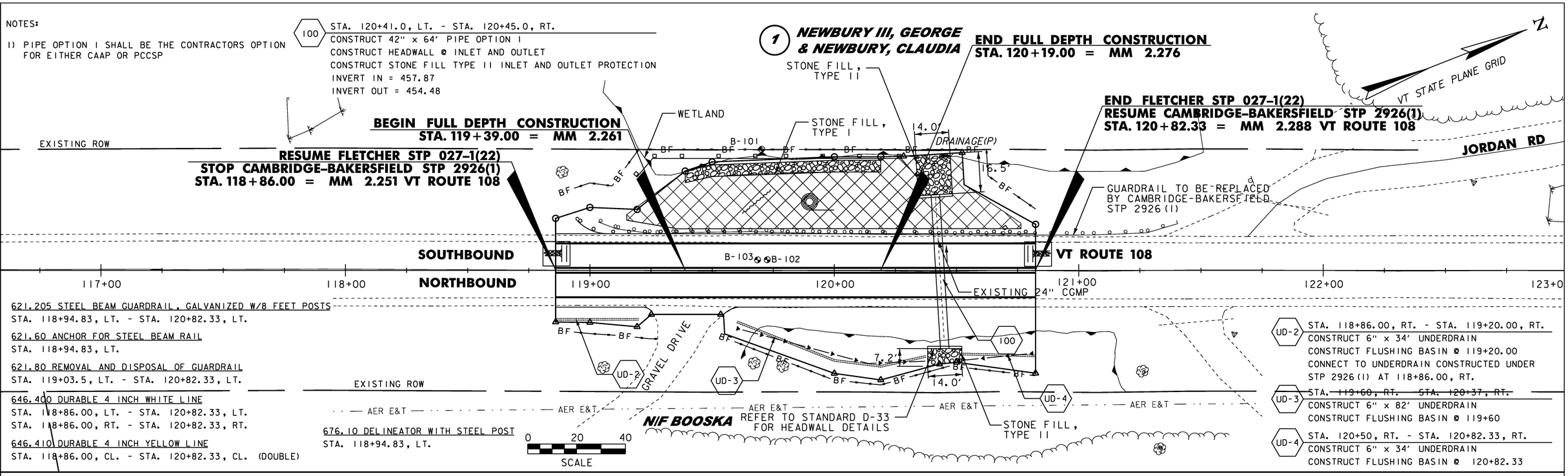
1 NEWBURY III, GEORGE & NEWBURY, CLAUDIA

END FULL DEPTH CONSTRUCTION
STA. 120+19.00 = MM 2.276

END FLETCHER STP 027-1(22)
RESUME CAMBRIDGE-BAKERSFIELD STP 2926(1)
STA. 120+82.33 = MM 2.288 VT ROUTE 108

BEGIN FULL DEPTH CONSTRUCTION
STA. 119+39.00 = MM 2.261

RESUME FLETCHER STP 027-1(22)
STOP CAMBRIDGE-BAKERSFIELD STP 2926(1)
STA. 118+86.00 = MM 2.251 VT ROUTE 108



621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 118+94.83, LT. - STA. 120+82.33, LT.

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 118+94.83, LT.

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 119+03.5, LT. - STA. 120+82.33, LT.

646.400 DURABLE 4 INCH WHITE LINE
STA. 118+86.00, LT. - STA. 120+82.33, LT.
STA. 118+86.00, RT. - STA. 120+82.33, RT.

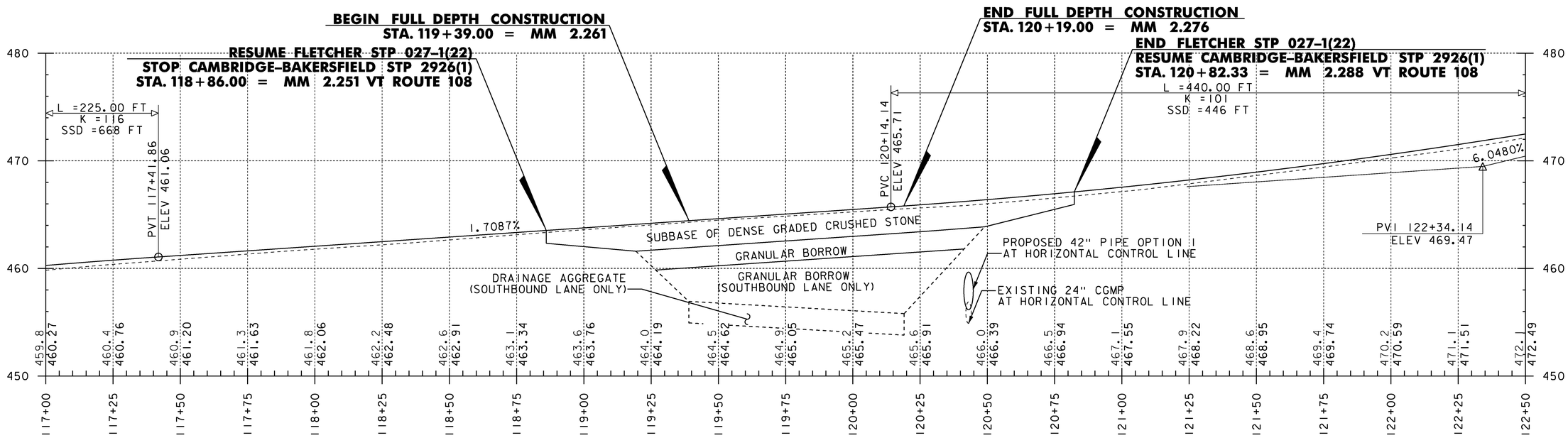
646.410 DURABLE 4 INCH YELLOW LINE
STA. 118+86.00, CL. - STA. 120+82.33, CL. (DOUBLE)

676.10 DELINEATOR WITH STEEL POST
STA. 118+94.83, LT.

UD-2 — STA. 118+86.00, RT. - STA. 119+20.00, RT.
CONSTRUCT 6" x 34' UNDERDRAIN
CONSTRUCT FLUSHING BASIN @ 119+20.00
CONNECT TO UNDERDRAIN CONSTRUCTED UNDER STP 2926(1) AT 118+86.00, RT.

UD-3 — ~~STA. 119+60, RT. - STA. 120+37, RT.~~
CONSTRUCT 6" x 82' UNDERDRAIN
CONSTRUCT FLUSHING BASIN @ 119+60

UD-4 — STA. 120+50, RT. - STA. 120+82.33, RT.
CONSTRUCT 6" x 34' UNDERDRAIN
CONSTRUCT FLUSHING BASIN @ 120+82.33



LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

FOR R.O.W. USE ONLY

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: r11b064_lay2.dgn
PROJECT LEADER: K. ROBIE
DESIGNED BY: STANTEC
R.O.W. SHET 4 OF 6

PLOT DATE: 10-AUG-2012
DRAWN BY: J. BLANCHARD
CHECKED BY: H. PETROVS
SHEET 357 OF 387

GPS CONTROL POINTS

HVCTRL #1

BAKE 1

NORTH = 816328.366
EAST = 1555864.797
ELEV. = 528.611

TO REACH FROM THE INTERSECTION OF VT ROUTES 36 AND 108 IN BAKERSFIELD, GO SOUTH ALONG VT ROUTE 108 FOR 1.7 MI (2.7 KM) TO THE INTERSECTION OF WHITNEY ROAD RIGHT. CONTINUE SOUTH ALONG VT ROUTE 108 FOR 1.5 MI (2.4 KM) TO THE SITE OF THE MARK ON THE RIGHT. IT IS ABOUT 37 M (121.4 FT) NORTH OF JORDAN ROAD RIGHT AND MILE MARKER POST 1080/0601/0038.
THE MARK IS SET 10 CM (4 INCHES) BELOW GROUND SURFACE IN THE TOP OF A FENO STYLE MONUMENT.
IT IS 7.0 M (23.0 FT) NORTHWEST OF AND ABOUT 0.1 M (0.3 FT) HIGHER THAN THE CENTERLINE OF VT ROUTE 108, 13.7 M (44.9 FT) SOUTH-SOUTHWEST OF POLE NO 14, 14.6 M (47.9 FT) SOUTH-SOUTHWEST OF MAILBOX NO 3275, 33.1 M (108.6 FT) NORTHEAST OF POLE NO 6/71 AND 0.3 M (1.0 FT) SOUTHEAST OF A FIBERGLASS WITNESS POST

HVCTRL #2

FLETCH

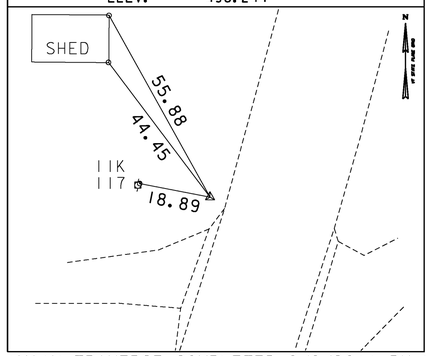
NORTH = 813679.320
EAST = 1555053.772
ELEV. = 460.898

TO REACH FROM THE INTERSECTION OF VT ROUTES 36 AND 108 IN BAKERSFIELD, GO SOUTH ALONG VT ROUTE 108 FOR 1.7 MI (2.7 KM) TO THE INTERSECTION OF WHITNEY ROAD RIGHT. CONTINUE SOUTH ALONG VT ROUTE 108 FOR 2.0 MI (3.2 KM) TO THE SITE OF THE MARK ON THE RIGHT.
THE MARK IS SET 25 CM (10 INCHES) BELOW GROUND SURFACE IN THE TOP OF A FENO STYLE MONUMENT.
IT IS 9.4 M (30.8 FT) NORTHWEST OF AND ABOUT 1.0 M (3.3 FT) HIGHER THAN THE CENTERLINE OF VT ROUTE 108, 16.1 M (52.8 FT) NORTH-NORTHEAST OF MILE MARKER POST 1080/0606/0220, 30.4 M (99.7 FT) WEST OF AND ACROSS THE ROAD FROM POLE NO 11K/114/77 WITH TRANSFORMER, 80.0 M (262.5 FT) SOUTHWEST OF THE SOUTHWEST END POST OF A METAL GUARD RAIL AND 0.4 M (1.3 FT) SOUTHEAST OF A FIBERGLASS WITNESS POST.

TRAVERSE TIES

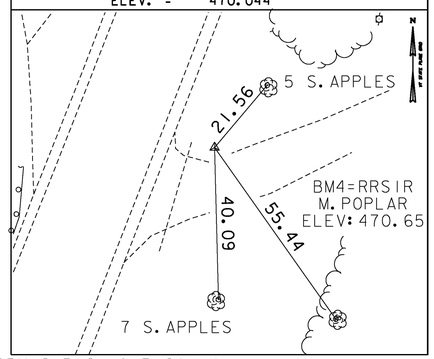
HVCTRL #3

NORTH = 814759.018
EAST = 1555478.000
ELEV. = 496.244



HVCTRL #4

NORTH = 814143.065
EAST = 1555296.705
ELEV. = 470.044



NORTH =	
EAST =	
ELEV. =	

NORTH =	
EAST =	
ELEV. =	

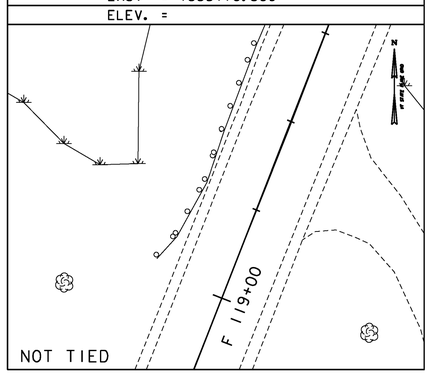
NORTH =	
EAST =	
ELEV. =	

*MAIN TRAVERSE COMPLETED 8/8/2011 BY L.ORVIS P.C. & R.CAULK

ALIGNMENT TIES

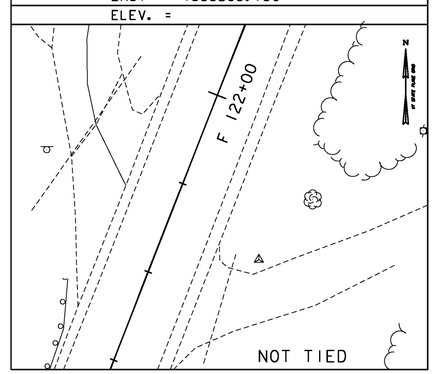
STA. F 119+00.000

NORTH = 813907.053
EAST = 1555176.389
ELEV. =



STA. F 122+00.000

NORTH = 814186.417
EAST = 1555285.730
ELEV. =



NORTH =	
EAST =	
ELEV. =	

NORTH =	
EAST =	
ELEV. =	

NORTH =	
EAST =	
ELEV. =	

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (07)
ADJUSTMENT	NONE

PROJECT TIE SHEET

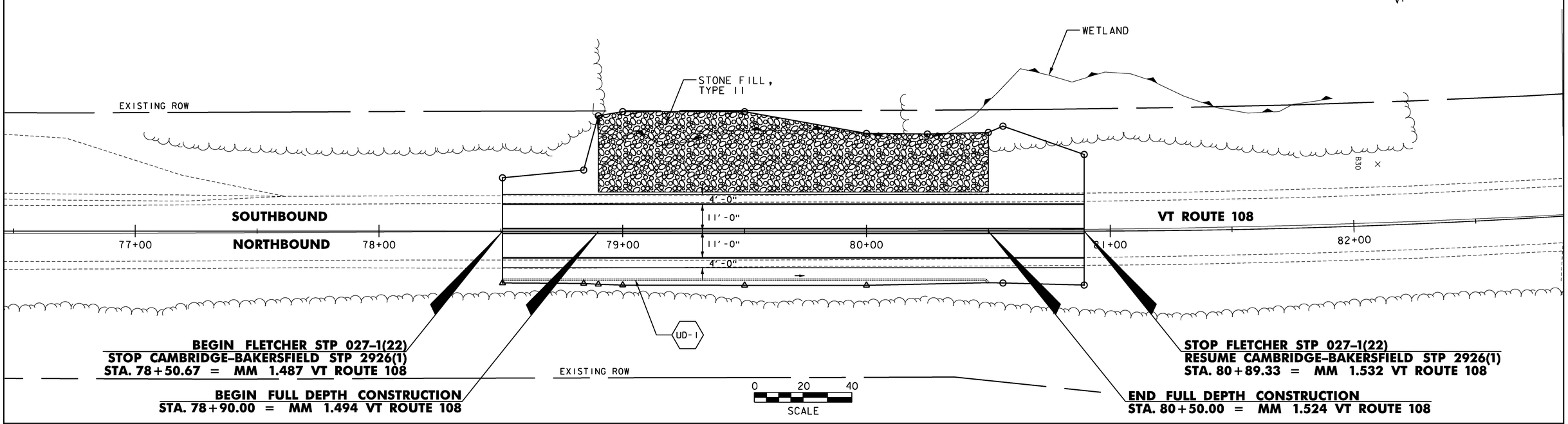
PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

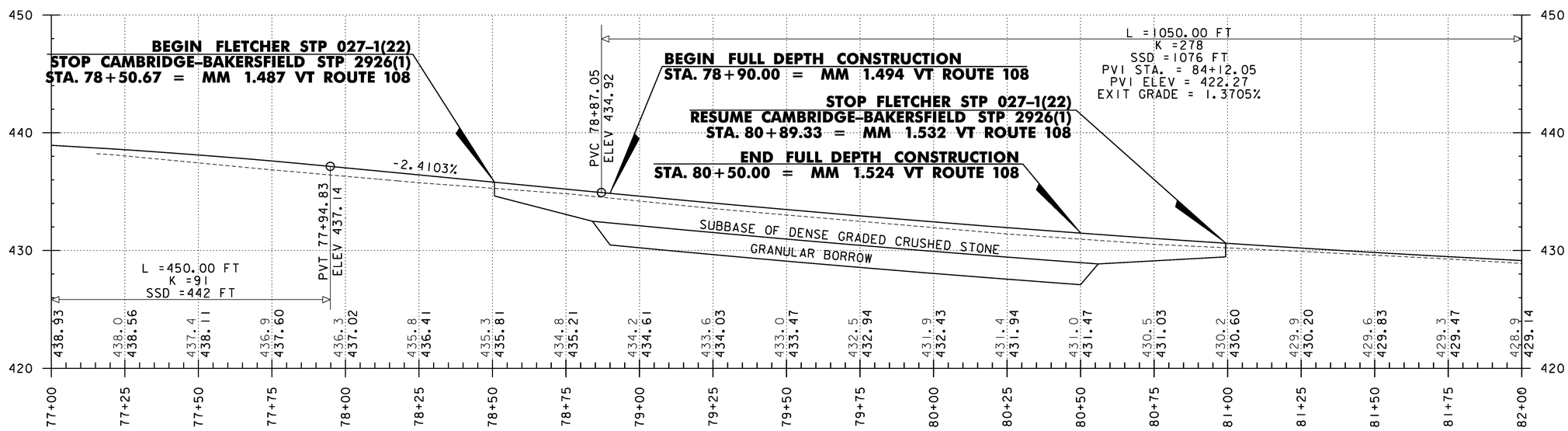
FILE NAME: ...\plotfiles\zllb064bdr_tie.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: DRAWN BY:
DESIGNED BY: VTRANS CHECKED BY:
PROJECT TIE SHEET SHEET 358 OF 387

DURABLE 4 INCH WHITE LINE
STA. 78+50.67, LT. - STA. 80+89.33, LT.
STA. 78+50.67, RT. - STA. 80+89.33, RT.

DURABLE 4 INCH YELLOW LINE
STA. 78+50.67, CL. - STA. 80+89.33, CL. (DOUBLE)

UD-1
STA. 78+50.67, RT. - STA. 80+50.00, RT.
CONSTRUCT 6" x 200' UNDERDRAIN
CONNECT TO UNDERDRAIN CONSTRUCTED UNDER
STP 2926(1) AT 78+50.67, RT.





0 20 40
SCALE
IH : 4V

10
5
0

Stantec

SITE 1 PLAN-PROFILE SHEET

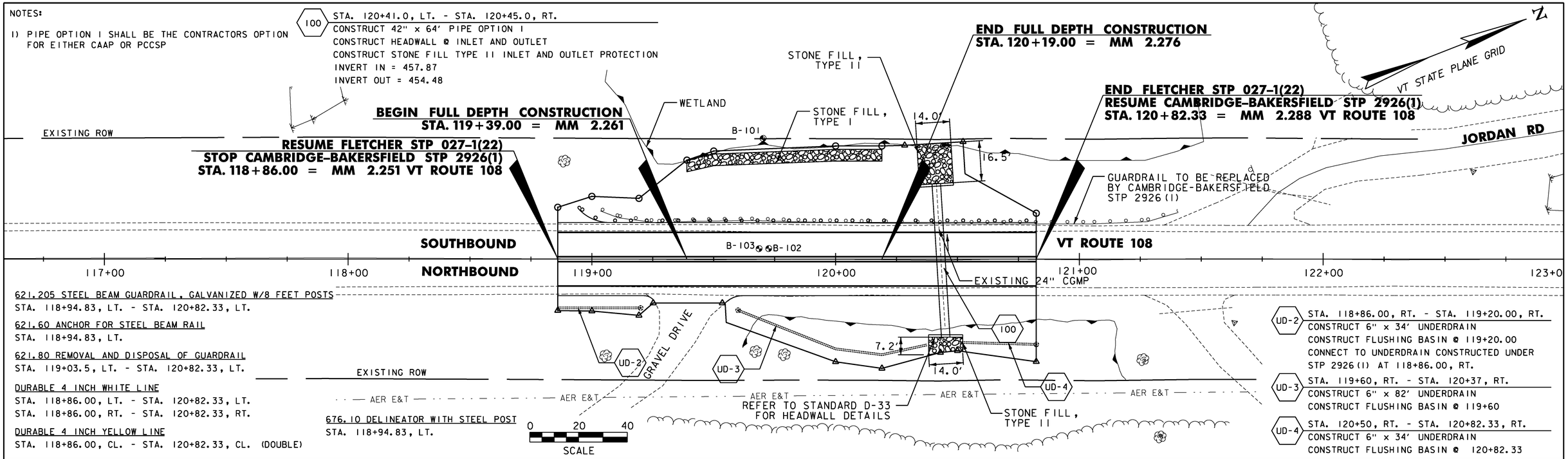
PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_layl.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
SITE 1 PLAN-PROFILE SHEET SHEET 359 OF 387

NOTES:

1) PIPE OPTION 1 SHALL BE THE CONTRACTORS OPTION FOR EITHER CAAP OR PCCSP

100 STA. 120+41.0, LT. - STA. 120+45.0, RT.
CONSTRUCT 42" x 64' PIPE OPTION 1
CONSTRUCT HEADWALL @ INLET AND OUTLET
CONSTRUCT STONE FILL TYPE II INLET AND OUTLET PROTECTION
INVERT IN = 457.87
INVERT OUT = 454.48



621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 118+94.83, LT. - STA. 120+82.33, LT.

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 118+94.83, LT.

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 119+03.5, LT. - STA. 120+82.33, LT.

DURABLE 4 INCH WHITE LINE
STA. 118+86.00, LT. - STA. 120+82.33, LT.
STA. 118+86.00, RT. - STA. 120+82.33, RT.

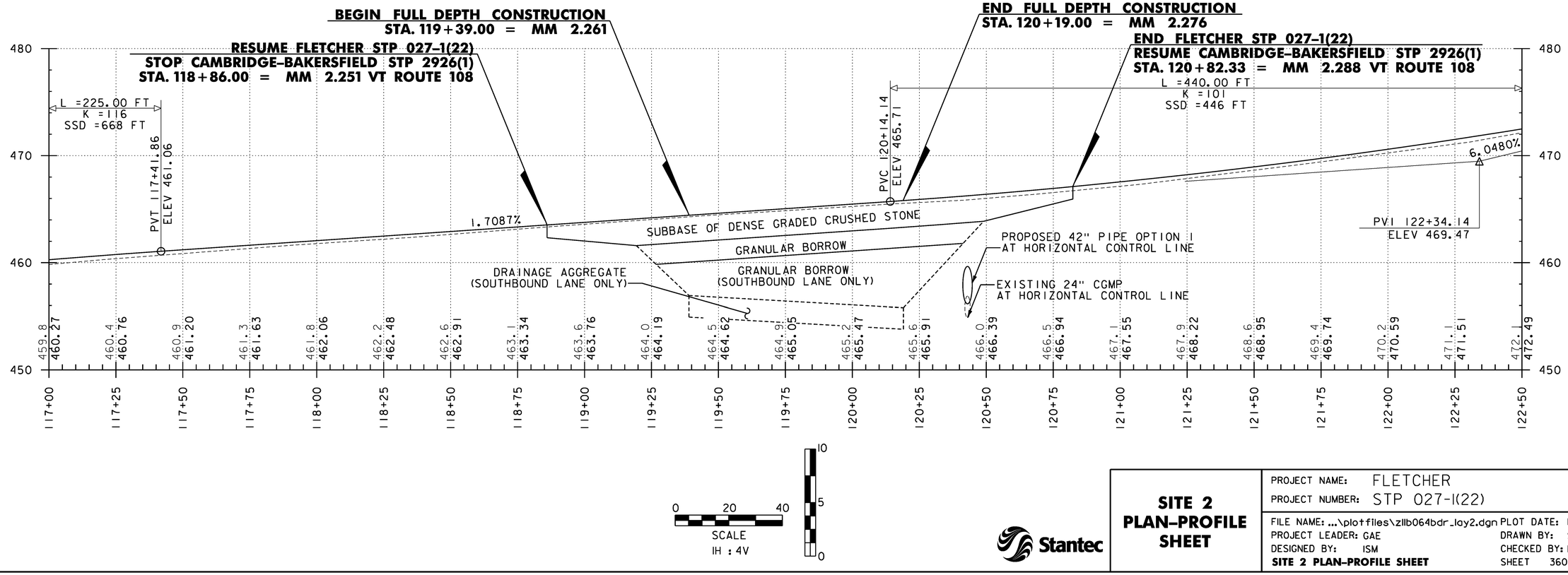
DURABLE 4 INCH YELLOW LINE
STA. 118+86.00, CL. - STA. 120+82.33, CL. (DOUBLE)

676.10 DELINEATOR WITH STEEL POST
STA. 118+94.83, LT.

UD-2 STA. 118+86.00, RT. - STA. 119+20.00, RT.
CONSTRUCT 6" x 34' UNDERDRAIN
CONSTRUCT FLUSHING BASIN @ 119+20.00
CONNECT TO UNDERDRAIN CONSTRUCTED UNDER STP 2926(1) AT 118+86.00, RT.

UD-3 STA. 119+60, RT. - STA. 120+37, RT.
CONSTRUCT 6" x 82' UNDERDRAIN
CONSTRUCT FLUSHING BASIN @ 119+60

UD-4 STA. 120+50, RT. - STA. 120+82.33, RT.
CONSTRUCT 6" x 34' UNDERDRAIN
CONSTRUCT FLUSHING BASIN @ 120+82.33



Stantec

SITE 2 PLAN-PROFILE SHEET

PROJECT NAME: FLETCHER	
PROJECT NUMBER: STP 027-1(22)	
FILE NAME: ...\plotfiles\zllb064bdr_lay2.dgn	PLOT DATE: 11/15/2012
PROJECT LEADER: GAE	DRAWN BY: STANTEC
DESIGNED BY: ISM	CHECKED BY: MCF
SITE 2 PLAN-PROFILE SHEET	SHEET 360 OF 387

EPSC PLAN NARRATIVE

1.1 PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF TWO SEPARATE SITES LOCATED ON VT ROUTE 108 IN THE TOWN OF FLETCHER. WORK TO BE PERFORMED ON THIS PROJECT INCLUDES THE RECONSTRUCTION OF THE EXISTING ROADWAY AND ROADWAY EMBANKMENT TO REPAIR SLOPE FAILURE. THE PROJECT WILL ALSO INCLUDE THE UPGRADE OF AN EXISTING 24" CULVERT TO A 42" CULVERT.

NOTE: AREA OF DISTURBANCE SHALL INCLUDE LIMITS OF EARTH DISTURBANCE WITHIN THE PROJECT AREA, INCLUDING ANY WASTE, STAGING AND BORROW AREAS WITHIN OR DIRECTLY ADJACENT TO THE PROJECT LIMITS.

TOTAL AREA OF DISTURBANCE IS APPROXIMATELY 0.70 ACRES.

1.2 SITE INVENTORY

1.2.1 OFF SITE DRAINAGE CHARACTERISTICS (UP AND DOWN-GRADIENT)

BOTH SITES SLOPE FROM EAST TO WEST AT GRADES RANGING FROM 8-50%. VEGETATION CONSISTS OF GRASS AND SCRUB BRUSH. THE SITE 2 RECEIVES OFFSITE RUNOFF FROM ROUGHLY 32 ACRES OF FOREST. STORM WATER RUNOFF FROM THE PROJECT WILL FLOW IN A WESTERLY DIRECTION ACROSS A NATURALLY VEGETATED AREA INTO BLACK CREEK. THE EXISTING 24" CULVERT ON THE NORTH END OF THE PROJECT IS TO BE UPDGRADED TO A 42" CULVERT AND DRAINS MOSTLY OFFSITE FLOW UNDER ROUTE 108.

1.2.2 DRAINAGE, WATERWAYS, BODIES OF WATER, AND PROXIMITY TO NATURAL OR MAN-MADE WATER FEATURES

BLACK CREEK IS LOCATED APPROXIMATELY 800' WEST OF THE PROJECT, FLOWS NORTH TO SOUTH AND SERVES AS A TRIBUTARY TO THE MISSISQUOI RIVER. THE MISSISQUOI RIVER IS LOCATED APPROXIMATELY 15 MILES NORTH OF THE SITE.

1.2.3 TOPOGRAPHY, EXISTING ROADS, BUILDINGS, UTILITIES

SITE 1: VT ROUTE 108 IN THE AREA OF SITE 1 HAS A GRADE OF 2.4%. THERE ARE NO EXISTING SIDEROADS, BUILDINGS OR UTILITIES IN THE AREA OF SITE 1.

SITE 2: VT ROUTE 108 IN THE AREA OF SITE 2 HAS A GRADE OF 1.7%. IMMEDIATELY TO THE NORTH OF THE PROJECT ON THE WEST SIDE OF ROUTE 108 IS JORDAN ROAD A GRAVEL TOWN ROAD.
ON THE EAST SIDE OF THE PROJECT THERE IS A GRAVEL DRIVE TO AN EXISTING RESIDENCE. THE UTILITIES IN THE AREA ARE AERIAL.

1.2.4 VEGETATION

THE VEGETATION IN THE PROJECT AREA CONSISTS MAINLY OF BRUSH AND GRASS, WITH SOME AREAS OF LAWN BORDERING ROUTE 108.

DISTURBED VEGETATION OUTSIDE OF THE PROPOSED PAVED AREAS WILL BE REESTABLISHED WITH STANDARD SEED AND MULCH/EROSION MATTING PRACTICES.

1.2.5 SOILS

ALL SOIL DATA CAME FROM THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE FOR THE COUNTY OF FRANKLIN, VERMONT. SOILS ON SITE 1 ARE AS FOLLOWS:
WALLKILL SILT LOAM, "K FACTOR" = 0.37. THE SOIL IS CONSIDERED HIGHLY ERODIBLE.

SOILS ON SITE 2 ARE AS FOLLOWS:
MUNSON SILT LOAM, 8% TO 15% SLOPES, "K FACTOR" = 0.49. THE SOIL IS CONSIDERED HIGHLY ERODIBLE.

NOTE: K-VALUES GENERALLY INDICATE THE FOLLOWING: 0.0-0.23 = LOW EROSION POTENTIAL; 0.24-0.36 = MODERATE EROSION POTENTIAL: 0.37 AND HIGHER = HIGH EROSION POTENTIAL.

1.2.6 SENSITIVE RESOURCE AREAS

CRITICAL HABITATS: NO
HISTORICAL OR ARCHEOLOGICAL AREAS: NO
PRIME AGRICULTURAL LAND: NO
THREATENED AND ENDANGERED SPECIES: NO
WATER RESOURCE: BLACK CREEK
WETLANDS: YES

1.3 RISK EVALUATION

THIS PROJECT DISTURBS LESS THAN 1 ACRE AND IS THEREFORE NON-JURISDICTIONAL. ANY MODIFICATIONS TO THE PROJECT THAT INCREASE THE RISK TO ENVIRONMENTAL RESOURCES SHALL BE EVALUATED IN ACCORDANCE WITH THE PERMIT REQUIREMENTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ADDITIONAL PERMITTING.

1.4 EROSION PREVENTION AND SEDIMENT CONTROL

THE EROSION CONTROL PLANS ARE MEANT AS A GUIDELINE FOR PREVENTING EROSION AND CONTROLLING SEDIMENT TRANSPORT. THE PRINCIPLES OUTLINED IN THIS NARRATIVE CONSIST OF APPLYING MEASURES THROUGHOUT CONSTRUCTION OF THE PROJECT IN ORDER TO MINIMIZE SEDIMENT TRANSPORT TO THE RECEIVING WATERS. THE MEASURES INCLUDE STABILIZATION AND STRUCTURAL PRACTICES, STORM WATER CONTROLS AND OTHER POLLUTION PREVENTION PRACTICES. THEY HAVE BEEN PROPOSED BY THE DESIGNER AS A BASIS FOR PROTECTING RESOURCES AND WILL NEED TO BE BUILT UPON BASED ON THE SPECIFIC MEANS AND METHODS OF THE CONTRACTOR. REFER TO THE LOW RISK SITE HANDBOOK AND APPROPRIATE DETAIL SHEETS FOR SPECIFIC GUIDANCE AND CONSTRUCTION DETAILING.

ALL MEASURES SHALL BE REGULARLY MAINTAINED AND SHALL BE CHECKED FOR SEDIMENT BUILD-UP. SEDIMENT SHALL BE DISPOSED OF AT AN APPROVED SITE WHERE IT WILL NOT BE SUBJECT TO EROSION.

1.4.1 MARK SITE BOUNDARIES

SITE BOUNDARIES AND AREAS CONSTRUCTION EQUIPMENT CAN ACCESS SHALL BE DELINEATED.

PROJECT DEMARCATION FENCING (PDF) SHALL BE USED TO PHYSICALLY MARK SITE BOUNDARIES. BARRIER FENCE SHALL BE USED INSTEAD OF PROJECT DEMARCATION FENCE WITHIN 100 FEET OF A WATER RESOURCE (STREAM, BROOK, LAKE, POND, WETLAND, ETC). SINCE THIS PROJECT IS ADJACENT TO WET AREAS BARRIER FENCE SHALL BE USED.

1.4.2 LIMIT DISTURBANCE AREA

PREVENTING INITIAL SOIL EROSION BY MINIMIZING THE EXPOSED AREA IS MUCH MORE EFFECTIVE THAN TREATING ERODED SEDIMENT. EARTH DISTURBANCE CAN BE MINIMIZED THROUGH CONSTRUCTION PHASING BY ONLY OPENING UP EARTH AS NECESSARY. THIS CAN LIMIT THE AREA THAT WILL BE DISTURBED AND EXPOSED TO EROSION. EMPLOY TEMPORARY CONSTRUCTION STABILIZATION PRACTICES IN INCREMENTAL STAGES AS PHASES CHANGE. FOR PROJECTS WHICH FALL UNDER THE CONSTRUCTION GENERAL PERMIT, ONLY THE ACREAGE LISTED ON THE PERMIT AUTHORIZATION MAY BE EXPOSED AT ANY GIVEN TIME.

MAINTAINING VEGETATED BUFFERS ALONG STREAM BANKS, WETLANDS OR OTHER SENSITIVE AREAS IS A CRUCIAL EROSION AND SEDIMENT CONTROL MEASURE THAT SHOULD BE ESTABLISHED WHEREVER POSSIBLE. BARRIER FENCE SHALL BE INSTALLED TIGHT TO THE CONSTRUCTION LIMITS WITHIN THE WETLAND LIMITS.

1.4.3 SITE ENTRANCE/EXIT STABILIZATION

TRACKING OF SEDIMENT ONTO PUBLIC HIGHWAYS SHALL BE MINIMIZED TO REDUCE THE POTENTIAL FOR RUNOFF ENTERING RECEIVING WATERS. INSTALLATION SHALL COINCIDE WITH THE CONTRACTOR'S PROGRESS SCHEDULE.

STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AS PROPOSED ON THE EPSC PLAN AND ANYWHERE EQUIPMENT WILL BE GOING FROM AREAS OF EXPOSED SOILS TO PAVED SURFACES.

1.4.4 INSTALL SEDIMENT BARRIERS

SEDIMENT BARRIERS SHALL BE UTILIZED TO INTERCEPT RUNOFF AND ALLOW SUSPENDED SEDIMENT TO SETTLE OUT. THEY SHALL BE INSTALLED PRIOR TO ANY UP SLOPE WORK.

WOVEN WIRE REINFORCED SILT FENCE SHALL BE USED INSTEAD OF SILT FENCE WITHIN 100 FEET UPSLOPE OF RECEIVING WATERS. WOVEN WIRE SILT FENCE IS TO BE USED SINCE THERE ARE WETLANDS WITHIN 100' OF PROJECT DISTURBANCE.

1.4.5 DIVERT UPLAND RUNOFF

DIVERSIONARY MEASURES SHALL BE USED TO INTERCEPT RUNOFF FROM ABOVE THE CONSTRUCTION AND DIRECT IT AROUND THE DISTURBED AREA SO THAT CLEAN WATER DOES NOT BECOME MUDDIED WHILE TRAVELING OVER EXPOSED SOILS ON THE CONSTRUCTION SITE. OFFSITE RUNOFF IS TO BE COLLECTED IN GRASS SWALE AND CONVEYED UNDER ROUTE 108 VIA CROSS CULVERT. IT IS NOT ANTICIPATED THAT DIVERSIONARY MEASURES WILL BE NEEDED FOR THIS CULVERT REPLACEMENT.

1.4.6 SLOW DOWN CHANNELIZED RUNOFF

CHECK STRUCTURES SHALL BE UTILIZED TO REDUCE THE VELOCITY, AND THUS THE EROSIVE POTENTIAL, OF CONCENTRATED FLOW IN CHANNELS. STONE CHECK DAMS WILL BE INSTALLED AS PROPOSED ON THE EPSC PLAN, AT A MINIMUM.

1.4.7 CONSTRUCT PERMANENT CONTROLS

PERMANENT STORMWATER TREATMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE PLANS. THE PROJECT DOESN'T CURRENTLY REQUIRE AN OPERATIONAL STORMWATER PERMIT.

SPECIFIC PERMANENT CONTROL MEASURES OF THE PROJECT INCLUDE TYPE II STONE FOR PIPE INLET AND OUTLET, AND RE-VEGETATION.

1.4.8 STABILIZE EXPOSED SOILS DURING CONSTRUCTION

ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY STABILIZATION IN PLACE WITHIN 48 HOURS OF DISTURBANCE OR IN ACCORDANCE WITH THE CONSTRUCTION GENERAL PERMIT 3-9020 AUTHORIZATION.

SURFACE ROUGHENING OF ALL EXPOSED SLOPES, COMBINED WITH TEMPORARY MULCHING, SHALL BE UTILIZED ON A REGULAR BASIS. BIODEGRADABLE EROSION CONTROL MATTING OR AN EQUIVALENT SHALL BE USED TO STABILIZE ALL SLOPES STEEPER THAN 1:3.
THE FORECAST OF RAINFALL EVENTS SHALL TRIGGER IMMEDIATE PROTECTION OF EXPOSED SOILS.

1.4.9 WINTER STABILIZATION

VARIOUS MEASURES SPECIFIC TO WINTER MAY BE NECESSARY SHOULD THE PROJECT EXTEND INTO WINTER (OCTOBER 15 THROUGH APRIL 15). REFER TO THE LOW RISK SITE HANDBOOK FOR GUIDANCE.

IT IS NOT ANTICIPATED THAT THIS PROJECT WILL EXTEND INTO THE WINTER CONSTRUCTION SEASON.

1.4.10 STABILIZE SOIL AT FINAL GRADE

EXPOSED SOIL MUST BE STABILIZED WITHIN 48 HOURS OF REACHING FINAL GRADE.

SEED, MULCH, FERTILIZER AND LIME SHALL BE USED TO ESTABLISH PERMANENT VEGETATION. FOR SLOPES STEEPER THAN 1:3, BIODEGRADABLE EROSION CONTROL MATTING OR AN EQUIVALENT SHALL BE USED INSTEAD OF MULCH.

1.4.11 DE-WATERING ACTIVITIES

DISCHARGE FROM DEWATERING ACTIVITIES THAT FLOWS OFF OF THE CONSTRUCTION SITE MUST NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE VERMONT WATER QUALITY STANDARDS.

TEMPORARY DEWATERING MAY BE NECESSARY TO LIMIT DISTURBANCE TO AND MAINTAIN INTEGRITY OF EXCAVATION. IF NECESSARY, TEMPORARY DEWATERING SHALL BE ACCOMPLISHED BY OPEN PUMPING FROM SHALLOW SUMPS, TEMPORARY DITCHES, AND TRENCHES WITHIN AND AROUND THE EXCAVATION LIMITS. SUMPS SHALL BE PROVIDED WITH FILTERS SUITABLE TO PREVENT PUMPING OF FINE-GRAINED SOIL PARTICLES. THE WATER TRAPPED BY THE TEMPORARY DEWATERING CONTROLS SHALL BE DISCHARGED TO SETTLING BASINS OR AN APPROVED FILTER SOCK SO THAT THE FINE PARTICLES SUSPENDED IN THE DISCHARGE HAVE ADEQUATE TIME TO "SETTLE OUT" PRIOR TO DISCHARGE. ALL EFFLUENT, OR DISCHARGE, SHALL COMPLY WITH ALL APPLICABLE PERMITS AND REGULATIONS.

1.4.12 INSPECT YOUR SITE

INSPECT THE PROJECT SITE BASED ON SPECIAL PROVISION REQUIREMENTS OR CONSTRUCTION GENERAL PERMIT AUTHORIZATION STIPULATIONS.

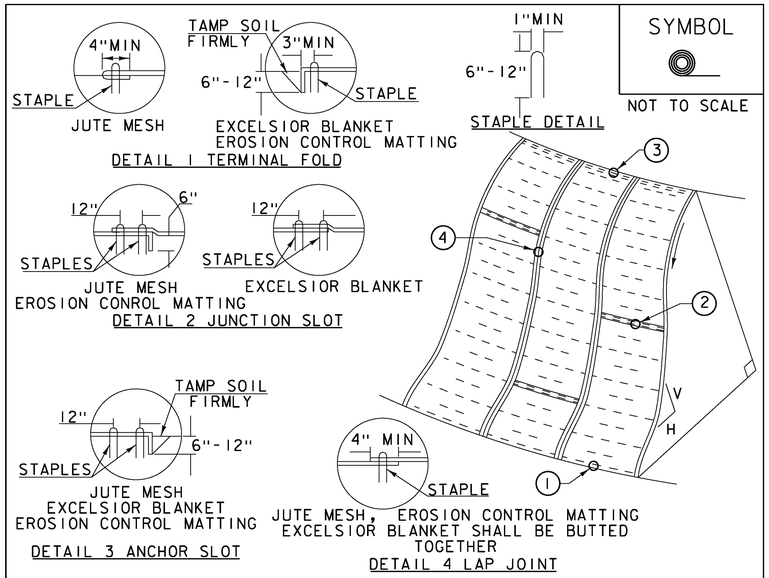
1.5 SEQUENCE AND STAGING

1.5.1 CONSTRUCTION SEQUENCE

THIS SECTION WILL BE DEVELOPED BY THE CONTRACTOR USING THE GUIDANCE OUTLINED IN THE VTRANS EPSC PLAN CONTRACTOR CHECKLIST.

1.5.2 OFF-SITE ACTIVITIES

IN ADDITION TO THE CONTRACTOR CHECKLIST ANY ACTIVITIES OUTSIDE THE CONSTRUCTION LIMITS SHALL FOLLOW SUBSECTIONS 105.25- 105.29 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.



SYMBOL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

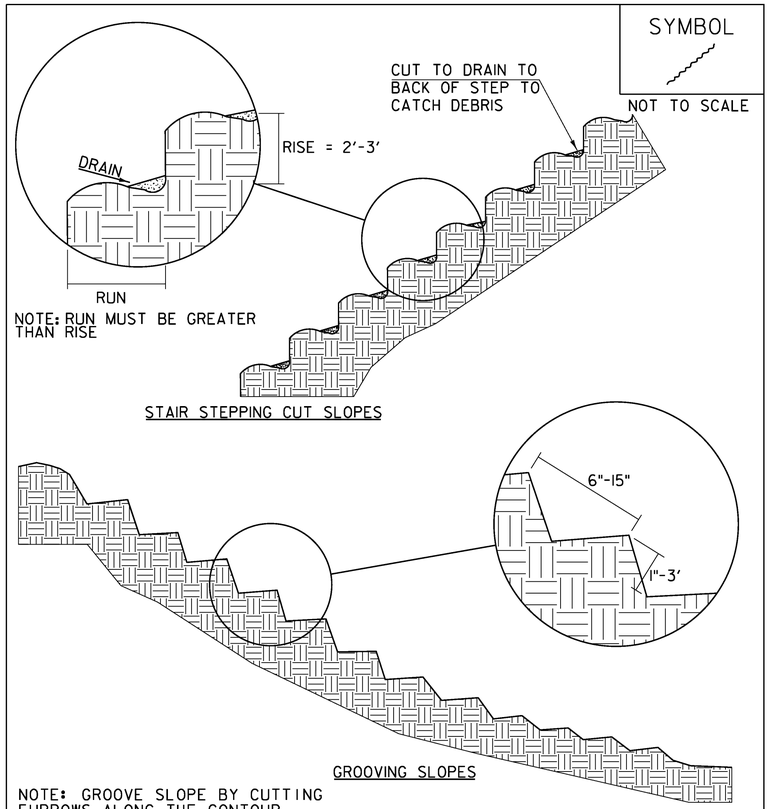
1. APPLY TO SLOPES GREATER THAN 3H: 1V OR WHERE NECESSARY TO AID IN ESTABLISHING VEGETATION.
2. APPLY FERTILIZER, LIME SEED PRIOR TO PLACING MATTING.
3. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4'X225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4'X150' ROLL OF MATERIAL.
4. DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
5. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

ROLLED EROSION CONTROL PRODUCT (RECP) SIDE SLOPE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 AND AS SHOWN IN THE PLANS FOR TEMPORARY EROSION MATTING (PAY ITEM 653.20)

REVISIONS	
APRIL 16, 2007	JMF
JANUARY 13, 2009	WHF



SYMBOL

NOT TO SCALE

NOTE: GROOVE SLOPE BY CUTTING FURROWS ALONG THE CONTOUR. IRREGULARITIES IN THE SOIL SURFACE CATCH RAINWATER AND RETAIN LIME, FERTILIZER AND SEED.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SURFACE ROUGHENING

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT

REVISIONS	
APRIL 1, 2008	WHF
JANUARY 13, 2009	WHF

VAOT RURAL AREA MIX

	LBS/AC				
% WEIGHT	BROADCAST	HYDROSEED	NAME	GERM %	PURITY %
37.5%	22.5	45	CREEPING RED FESCUE	85%	98%
37.5%	22.5	45	TALL FESCUE	90%	95%
5.0%	3	6	RED TOP	90%	95%
15.0%	9	18	BIRDSFOOT TREFOIL	85%	98%
5.0%	3	6	ANNUAL RYE GRASS	85%	95%
100%	60	120			

VAOT URBAN AREA MIX

	LBS/AC				
% WEIGHT	BROADCAST	HYDROSEED	NAME	GERM %	PURITY %
42.5%	34	68	CREEPING RED FESCUE	85%	98%
10.0%	8	16	PERENNIAL RYE GRASS	90%	95%
42.5%	34	68	KENTUCKY BLUE GRASS	85%	85%
5.0%	4	8	ANNUAL RYE GRASS	85%	95%
100%	80	160			

SOIL AMENDMENT GUIDANCE

FERTILIZER		LIME	
BROADCAST	HYDROSEED	BROADCAST	HYDROSEED
10-20-10	*FOLLOW*	PELLETIZED	*FOLLOW*
500 LBS/AC	*MANUFACTURER*	2 TONS/AC	*MANUFACTURER*

CONSTRUCTION GUIDANCE

1. RURAL SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.
2. URBAN SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED LAWN AREAS DISTURBED BY THE CONTRACTOR.
3. ALL SEED MIXTURES: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
4. FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER
5. HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, ACHIEVE 90% GROUND COVER OR AS DIRECTED BY THE ENGINEER.
6. TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
7. HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED
8. TURF ESTABLISHMENT: PLACING SEED, FERTILIZER, LIME AND MULCH PRIOR TO SEPTEMBER 15 AND AFTER APRIL 15 CAN BETTER ENSURE A VIGOROUS GROWTH OF GRASS.

ADAPTED FROM VTRANS TECHNICAL LANDSCAPE MANUAL FOR ROADWAYS AND TRANSPORTATION FACILITIES

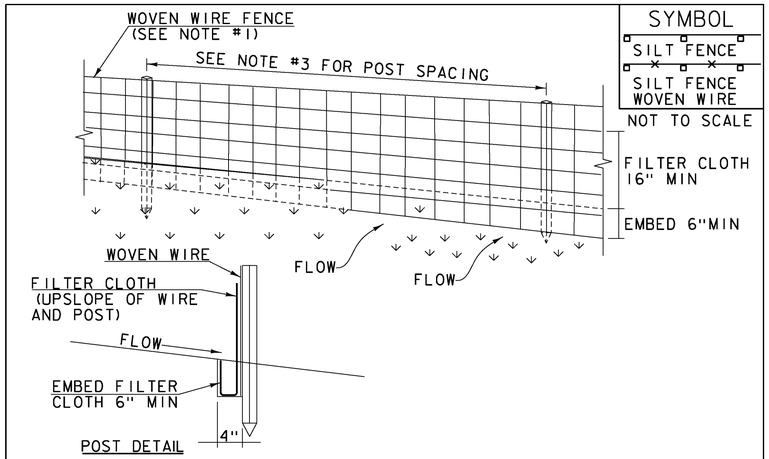
TURF ESTABLISHMENT

REVISIONS	
JUNE 23, 2009	WHF
JANUARY 15, 2010	WHF
FEBRUARY 16, 2011	WHF

EPSC DETAILS 1

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\z11b064bdr_ero2.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: VTrans DRAWN BY: VTrans
DESIGNED BY: VTrans CHECKED BY: VTrans
EPSC DETAILS 1 SHEET 362 OF 387



SYMBOL

SILT FENCE

SILT FENCE WOVEN WIRE

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE REINFORCED FENCE IS REQUIRED WITHIN 100' UPSLOPE OF RECEIVING WATERS WHEN THE PROJECT FALLS UNDER A CONSTRUCTION STORMWATER PERMIT. WOVEN WIRE SHALL BE A MIN. 14 GAUGE WITH A 6" MAX. MESH OPENING.
2. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI100X, STABILINKA T140N OR APPROVED EQUIVALENT.
3. POST SPACING FOR WIRE-BACKED FENCE SHALL BE 10' MAXIMUM. FOR FILTER-CLOTH FENCE, WHEN ELONGATION IS >50%, POST SPACING SHALL NOT EXCEED 4' AND WHEN ELONGATION IS <50%, POST SPACING SHALL NOT EXCEED 6'.
4. WOVEN WIRE FENCE IS TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES. FILTER CLOTH IS TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6" AND FOLDED.
6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.

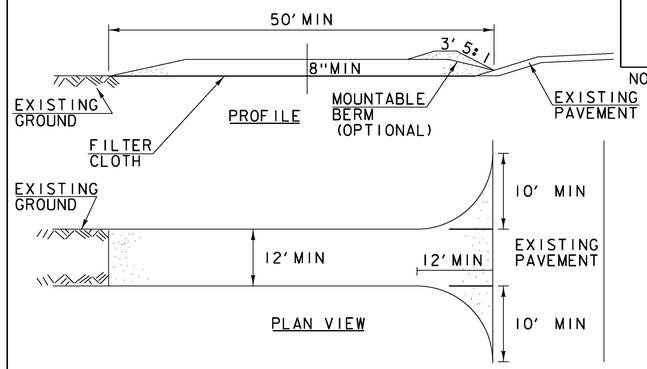
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SILT FENCE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 649 AND AS SHOWN IN THE PLANS FOR GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED (PAY ITEM 649.515)

REVISIONS	
MARCH 21, 2008	WHF
DECEMBER 11, 2008	WHF
JANUARY 13, 2009	WHF



SYMBOL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. STONE SIZE- USE 1-4" STONE, RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH- NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH APPLIES).
3. THICKNESS- NOT LESS THAN 8".
4. WIDTH- 12' MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24' IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. SURFACE WATER- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT REQUIREMENTS.

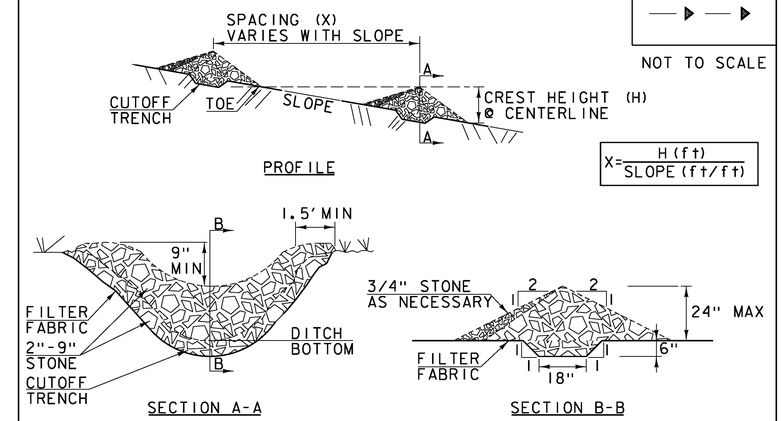
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

STABILIZED CONSTRUCTION ENTRANCE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR VEHICLE TRACKING PAD (PAY ITEM 653.35) OR AS SPECIFIED IN THE CONTRACT.

REVISIONS	
MARCH 24, 2008	WHF
JANUARY 13, 2009	WHF



SYMBOL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION.
2. CHECK DAMS SHALL BE SPACED SO THAT THE ELEVATION OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.
3. 3/4" FILTERING STONE MAY BE ADDED TO THE FACE OF THE CHECK DAM AS NECESSARY.
4. EXTEND THE STONE A MINIMUM OF 1.5' BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
5. PROTECT CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
6. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
7. MAXIMUM DRAINAGE AREA 2 ACRES.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CHECK DAM

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR TEMPORARY STONE CHECK DAM, TYPE I(PAY ITEM 653.25)

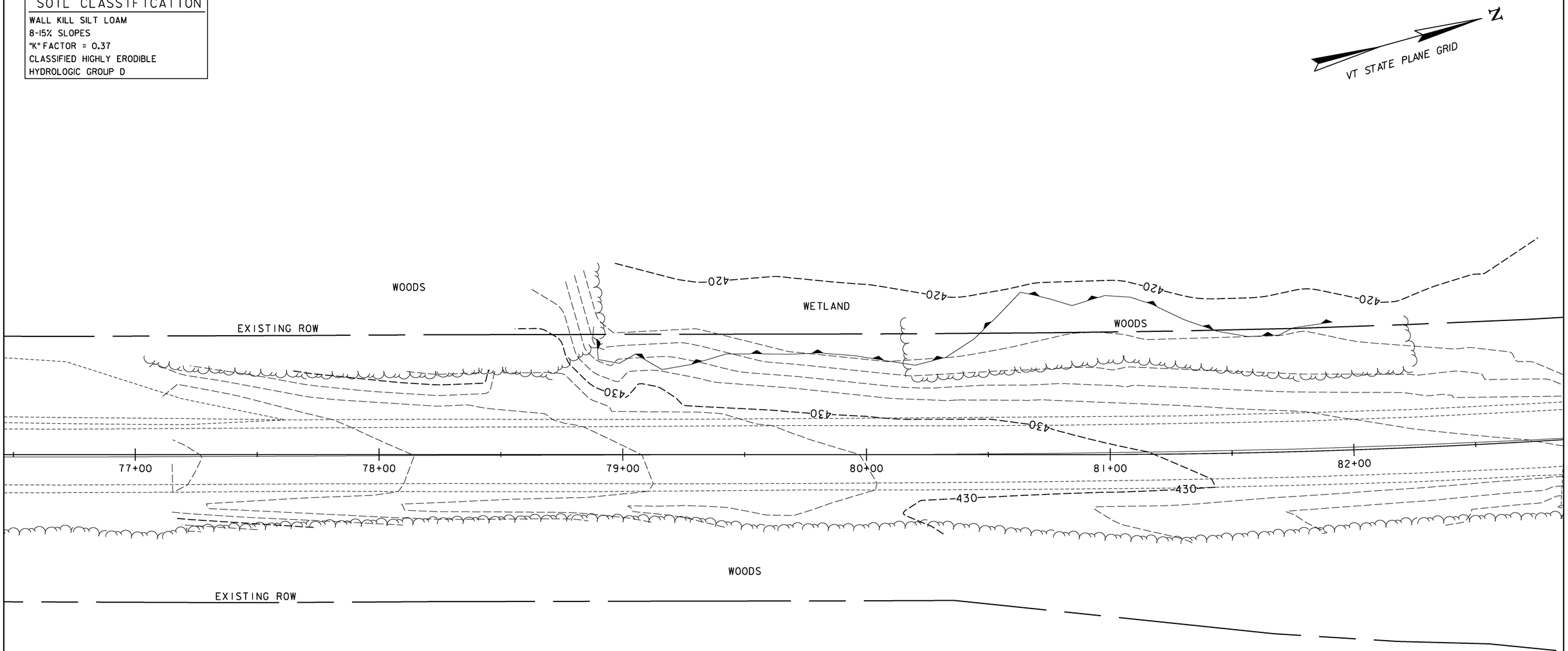
REVISIONS	
MARCH 21, 2008	WHF
JANUARY 8, 2009	WHF

EPSC DETAILS 2

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_ero3.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: VTrans DRAWN BY: VTrans
DESIGNED BY: VTrans CHECKED BY: VTrans
EPSC DETAILS 2 SHEET 363 OF 387

SOIL CLASSIFICATION
WALL KILL SILT LOAM
8-15% SLOPES
"K" FACTOR = 0.37
CLASSIFIED HIGHLY ERODIBLE
HYDROLOGIC GROUP D



0 20 40
SCALE

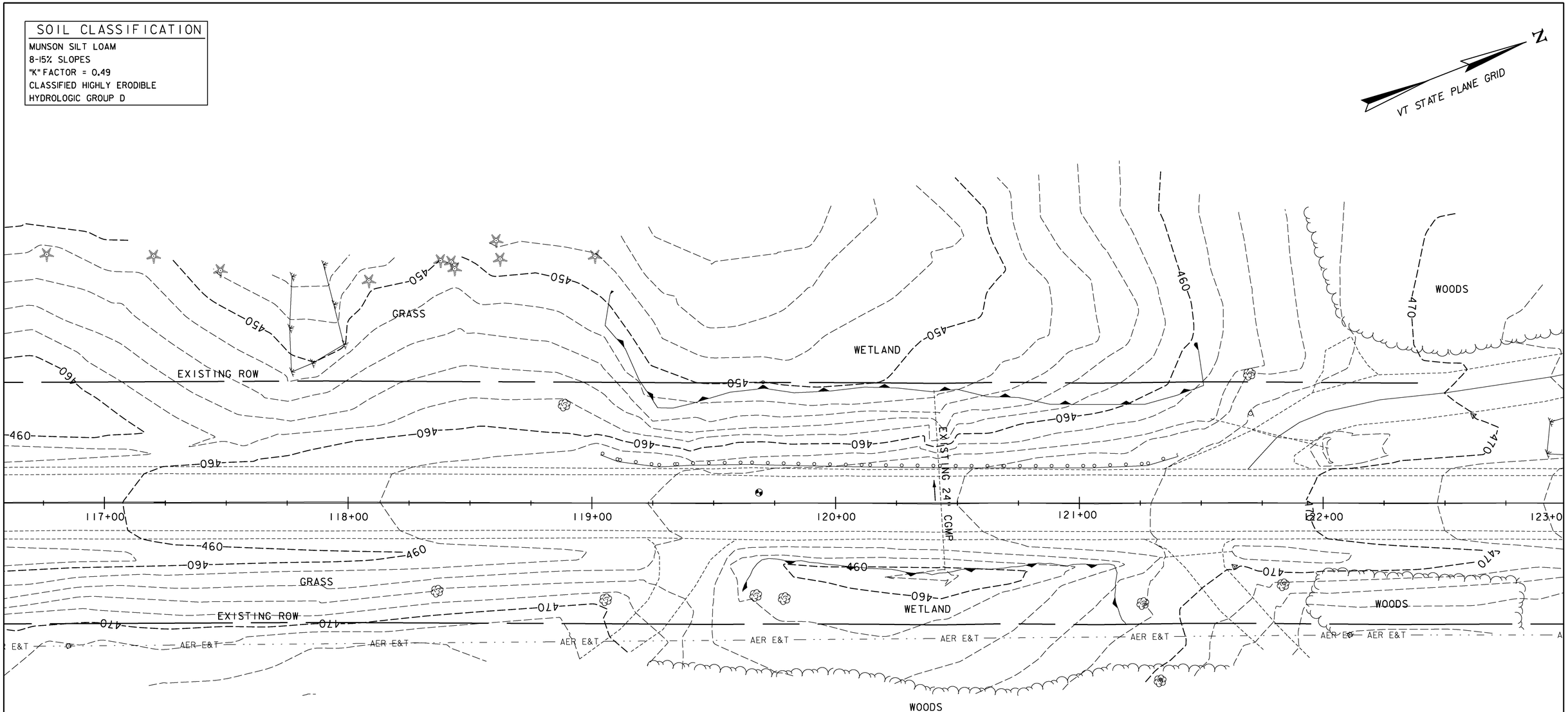
Stantec

EXISTING CONDITIONS SITE PLAN 1

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\z11b064bdr_ero4.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
EPSC EXIST. CONDITIONS SITE PLAN 1 SHEET 364 OF 387

SOIL CLASSIFICATION
MUNSON SILT LOAM
8-15% SLOPES
"K" FACTOR = 0.49
CLASSIFIED HIGHLY ERODIBLE
HYDROLOGIC GROUP D



0 20 40
SCALE

Stantec

EXISTING CONDITIONS SITE PLAN 2

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_ero5.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
EPSC EXIST. CONDITIONS SITE PLAN 2 SHEET 365 OF 387

CONSTRUCTION LEGEND:

- STONE FILL, TYPE II
- SILT FENCE
- TEMPORARY EROSION MATTING
- TEMPORARY STONE CHECK DAM, TYPE I
- STABILIZED CONSTRUCTION ENTRANCE
- SURFACE ROUGHENING
- BARRIER FENCE — BF
- LIMITS OF SOIL DISTURBANCE
- PROJECT DEMARCATION FENCE (PDF) — PDF

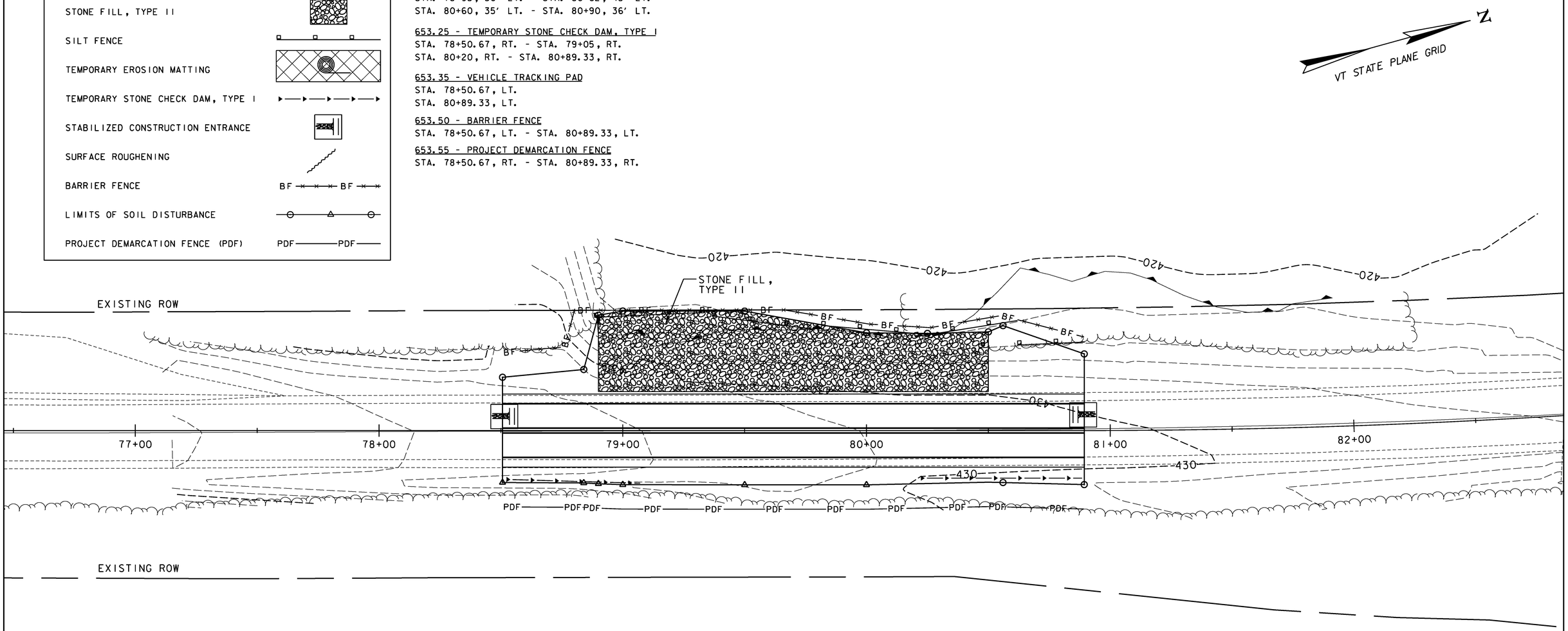
649.515 - GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED
STA. 78+95, 50' LT. - STA. 80+62, 45' LT.
STA. 80+60, 35' LT. - STA. 80+90, 36' LT.

653.25 - TEMPORARY STONE CHECK DAM, TYPE I
STA. 78+50.67, RT. - STA. 79+05, RT.
STA. 80+20, RT. - STA. 80+89.33, RT.

653.35 - VEHICLE TRACKING PAD
STA. 78+50.67, LT.
STA. 80+89.33, LT.

653.50 - BARRIER FENCE
STA. 78+50.67, LT. - STA. 80+89.33, LT.

653.55 - PROJECT DEMARCATION FENCE
STA. 78+50.67, RT. - STA. 80+89.33, RT.



GENERAL CONSTRUCTION SEQUENCE

1. DEMARCATE WORK ZONE WITH PROJECT DEMARCATION FENCE AND BARRIER FENCE. FENCE TO BE INSTALLED WITHIN RIGHT OF WAY AND NO MORE THAN 10' BEYOND CONSTRUCTION LIMITS UNLESS APPROVED BY THE RESIDENT ENGINEER.

2. CLEAR AND GRUB THE SITE. DO NOT REMOVE STUMPS, EXCESS SOILS, AND OTHER WASTE MATERIALS UNTIL TEMPORARY E.P.S.C. MEASURES HAVE BEEN INSTALLED.

3. INSTALL TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL MEASURES, AS SHOWN, AS REQUIRED, OR AS DIRECTED BY THE ONSITE COORDINATOR, IN THE FOLLOWING ORDER:

   A. STABILIZED CONSTRUCTION ENTRANCE (SCE) - VEHICLES ARE REQUIRED TO DRIVE OVER THE 50' SCE BEFORE EXITING THE CONSTRUCTION LIMITS ONTO ROUTE 108.

   B. STONE CHECK DAMS (SEE EPSC DETAILS 2 FOR CONSTRUCTION NOTES AND DETAILS).

   C. SILT FENCE AND EROSION MATTING (SEE EPSC DETAILS 1 FOR CONSTRUCTION NOTES AND DETAILS).

4. DISPOSE OF STUMPS, EXCESS SOILS AND OTHER WASTE MATERIAL IN A LOCATION APPROVED BY THE ONSITE COORDINATOR, THE AGENCY OF NATURAL RESOURCES, THE VTRANS BIOLOGIST AND THE VTRANS ARCHEOLOGIST.

5. COMPLETE CONSTRUCTION OF VT ROUTE 108 REPAIRS.

   A. AS CONSTRUCTION PROGRESSES IMPLEMENT ADDITIONAL TEMPORARY EROSION CONTROLS AS SHOWN, AS REQUIRED, OR AS DIRECTED BY THE ONSITE COORDINATOR. THESE ADDITIONAL TEMPORARY MEASURES SHALL BE PAID FOR UNDER THE APPROPIATE ITEMS USED ON THIS PROJECT.

   B. INSPECT AND MAINTAIN EROSION PREVENTION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE SPECIFICATIONS AND SPECIAL PROVISIONS.

   C. DISPOSE OF COLLECTED SEDIMENT AND OTHER POLLUTANTS IN A MANNER APPROVED BY THE ENGINEER THAT WILL NOT RESULT IN SEDIMENTS AND POLLUTANTS ENTERING WATERS OF THE STATE.

6. PERMANENTLY STABILIZE ALL FINISHED GRADES AS EARTHWORK IS COMPLETED INCLUDING CHANNEL LININGS, SEEDING AND MULCHING (PERMANENT TURF ESTABLISHMENT).

EPSC GENERAL NOTES:

1. THESE PLANS SHOW A CONCEPTUAL EROSION CONTROL PLAN, THE CONTRACTOR MUST SUBMIT A TEMPORARY EROSION CONTROL PLAN FOR APPROVAL.

2. TEMPORARY EROSION CONTROL MEASURES ARE CONCEPTUALLY SHOWN. THE CONTRACTOR MAY RELOCATE TEMPORARY MEASURES TO IMPROVE EROSION CONTROL WITH APPROVAL OF THE RESIDENT ENGINEER AND ON SITE COORDINATOR. SILT FENCE SHALL NOT BE INSTALLED ACROSS CONTOURS.

3. THE CONTRACTOR SHALL USE OTHER TEMPORARY EROSION CONTROL MEASURES AS NECESSITATED BY THE SEQUENCE OF CONSTRUCTION OR AS DIRECTED BY THE RESIDENT ENGINEER AND ON SITE COORDINATOR.

4. REFER TO EPSC DETAILS AND EPSC NARRATIVE FOR ADDITIONAL REQUIREMENTS.

0 20 40
SCALE

Stantec

EPSC CONSTRUCTION SITE PLAN 1

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_ero6.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
EPSC CONSTRUCTION SITE PLAN 1 SHEET 366 OF 387

CONSTRUCTION LEGEND:

- STONE FILL, TYPE I
- SILT FENCE
- TEMPORARY EROSION MATTING
- TEMPORARY STONE CHECK DAM, TYPE I
- STABILIZED CONSTRUCTION ENTRANCE
- SURFACE ROUGHENING
- BARRIER FENCE — BF
- LIMITS OF SOIL DISTURBANCE
- PROJECT DEMARCATION FENCE (PDF) — PDF

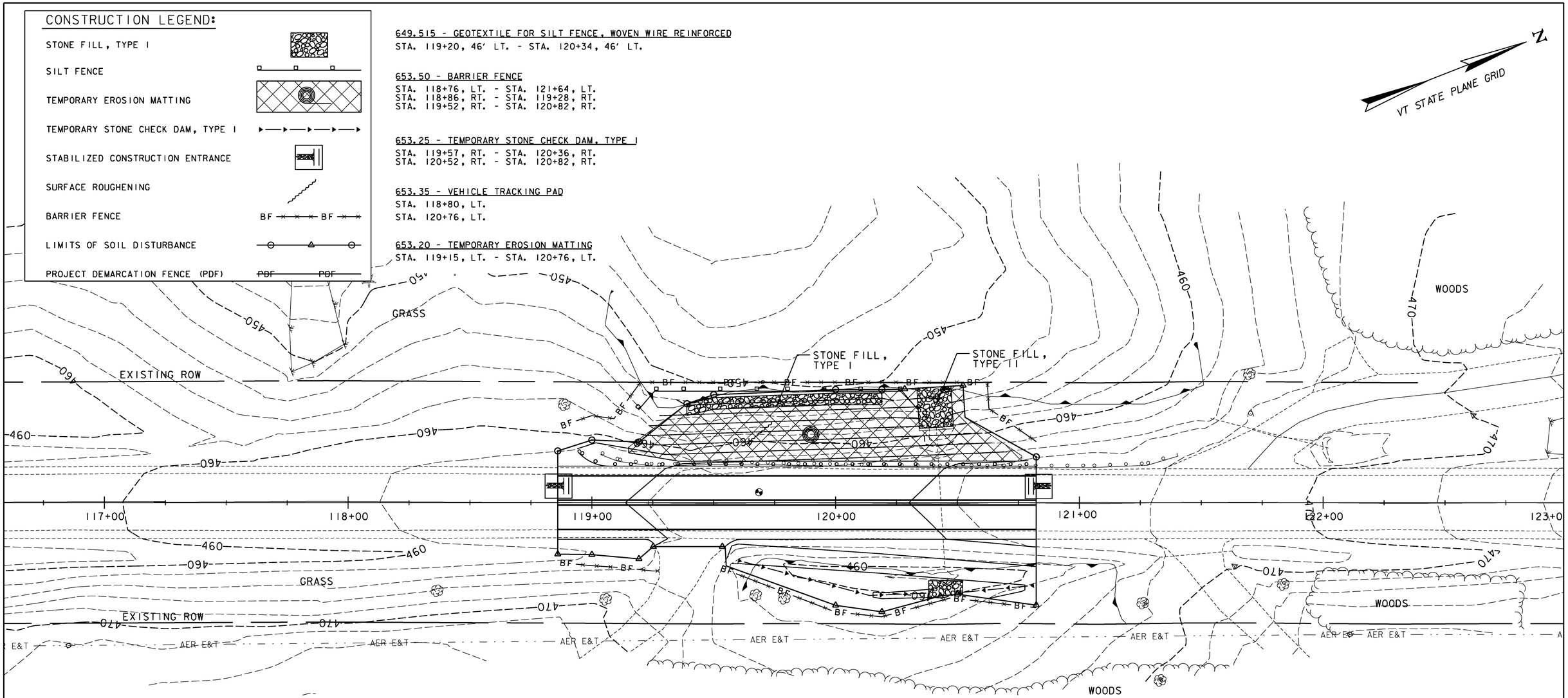
649.515 - GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED
STA. 119+20, 46' LT. - STA. 120+34, 46' LT.

653.50 - BARRIER FENCE
STA. 118+76, LT. - STA. 121+64, LT.
STA. 118+86, RT. - STA. 119+28, RT.
STA. 119+52, RT. - STA. 120+82, RT.

653.25 - TEMPORARY STONE CHECK DAM, TYPE I
STA. 119+57, RT. - STA. 120+36, RT.
STA. 120+52, RT. - STA. 120+82, RT.

653.35 - VEHICLE TRACKING PAD
STA. 118+80, LT.
STA. 120+76, LT.

653.20 - TEMPORARY EROSION MATTING
STA. 119+15, LT. - STA. 120+76, LT.



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SCALE

Stantec

EPSC CONSTRUCTION SITE PLAN 2

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

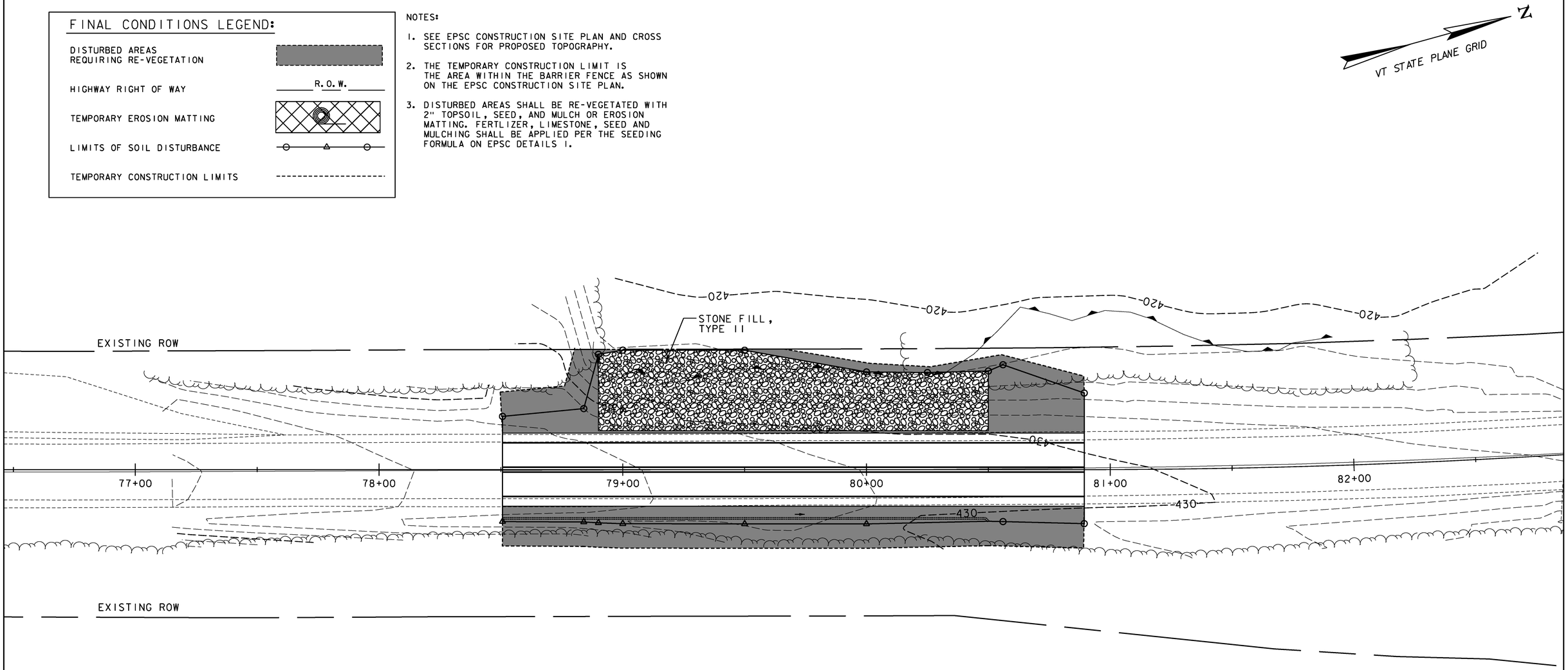
FILE NAME: ...\plotfiles\zllb064bdr_ero7.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
EPSC CONSTRUCTION SITE PLAN 2 SHEET 367 OF 387

FINAL CONDITIONS LEGEND:

DISTURBED AREAS REQUIRING RE-VEGETATION	
HIGHWAY RIGHT OF WAY	R.O.W.
TEMPORARY EROSION MATTING	
LIMITS OF SOIL DISTURBANCE	
TEMPORARY CONSTRUCTION LIMITS	

NOTES:

1. SEE EPSC CONSTRUCTION SITE PLAN AND CROSS SECTIONS FOR PROPOSED TOPOGRAPHY.
2. THE TEMPORARY CONSTRUCTION LIMIT IS THE AREA WITHIN THE BARRIER FENCE AS SHOWN ON THE EPSC CONSTRUCTION SITE PLAN.
3. DISTURBED AREAS SHALL BE RE-VEGETATED WITH 2" TOPSOIL, SEED, AND MULCH OR EROSION MATTING. FERTLIZER, LIMESTONE, SEED AND MULCHING SHALL BE APPLIED PER THE SEEDING FORMULA ON EPSC DETAILS 1.



0 20 40
SCALE

Stantec

EPSC FINAL SITE PLAN 1

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

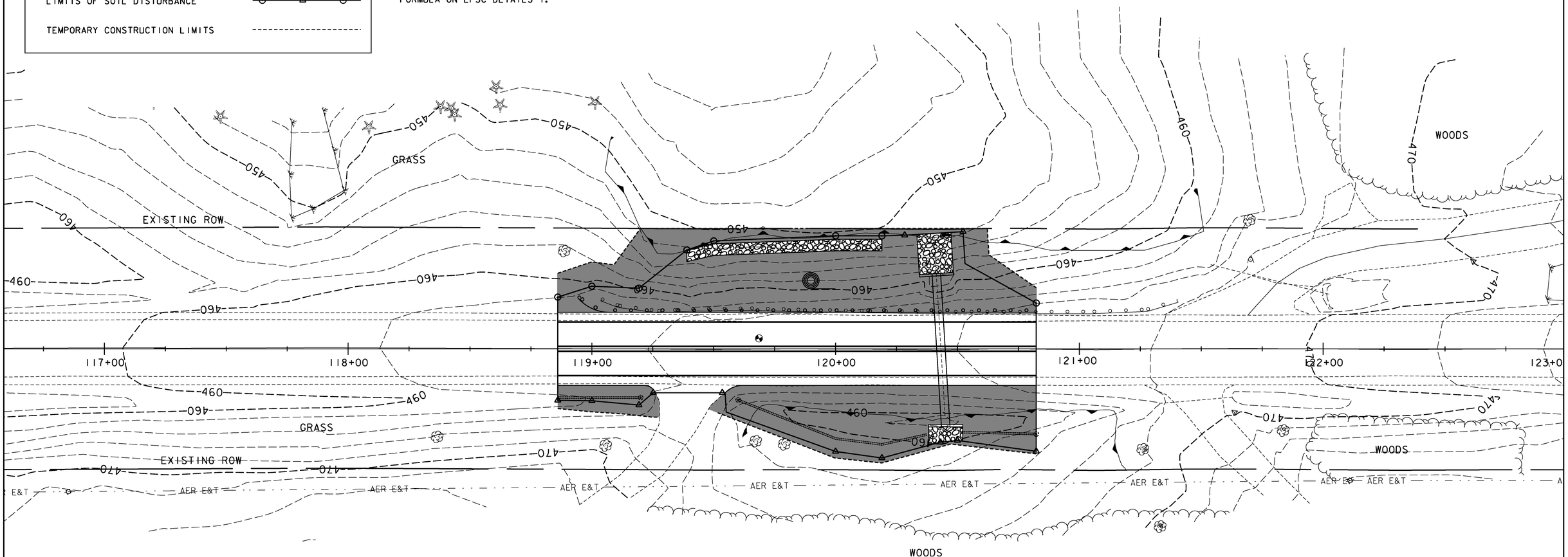
FILE NAME: ...\plotfiles\z11b064bdr_ero8.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
EPSC FINAL SITE PLAN 1 SHEET 368 OF 387

FINAL CONDITIONS LEGEND:

- DISTURBED AREAS REQUIRING RE-VEGETATION
- HIGHWAY RIGHT OF WAY — EXISTING ROW
- TEMPORARY EROSION MATTING
- LIMITS OF SOIL DISTURBANCE
- TEMPORARY CONSTRUCTION LIMITS

NOTES:

1. SEE EPSC CONSTRUCTION SITE PLAN AND CROSS SECTIONS FOR PROPOSED TOPOGRAPHY.
2. THE TEMPORARY CONSTRUCTION LIMIT IS THE AREA WITHIN THE BARRIER FENCE AS SHOWN ON THE EPSC CONSTRUCTION SITE PLAN.
3. DISTURBED AREAS SHALL BE RE-VEGETATED WITH 2" TOPSOIL, SEED, AND MULCH OR EROSION MATTING. FERTLIZER, LIMESTONE, SEED AND MULCHING SHALL BE APPLIED PER THE SEEDING FORMULA ON EPSC DETAILS 1.



0 20 40
SCALE

Stantec

EPSC FINAL SITE PLAN 2

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\z11b064bdr_ero9.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
EPSC FINAL SITE PLAN 2 SHEET 369 OF 387

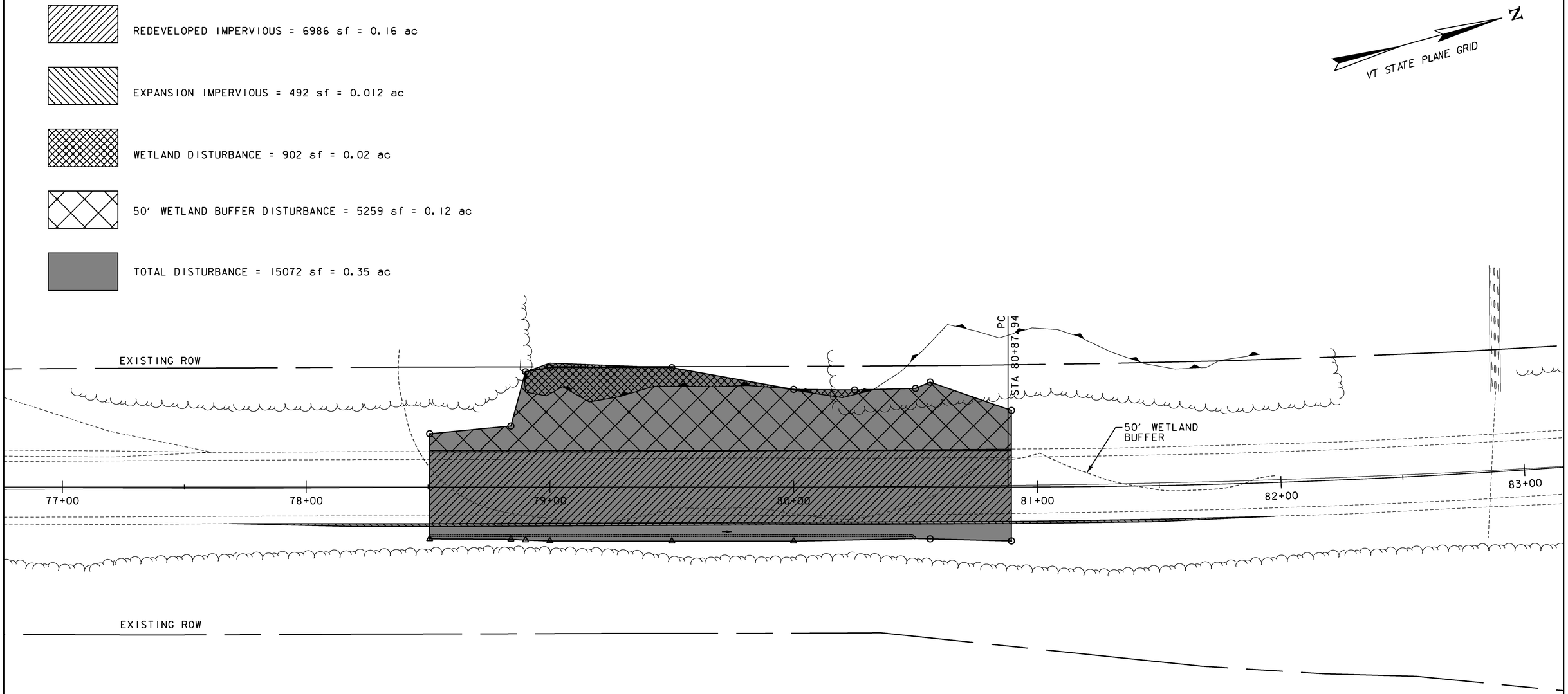
REDEVELOPED IMPERVIOUS = 6986 sf = 0.16 ac

EXPANSION IMPERVIOUS = 492 sf = 0.012 ac

WETLAND DISTURBANCE = 902 sf = 0.02 ac

50' WETLAND BUFFER DISTURBANCE = 5259 sf = 0.12 ac

TOTAL DISTURBANCE = 15072 sf = 0.35 ac



0 20 40
SCALE

Stantec

SITE 1 DISTURBANCE PLAN

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_dist1.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
SHEET 370 OF 387

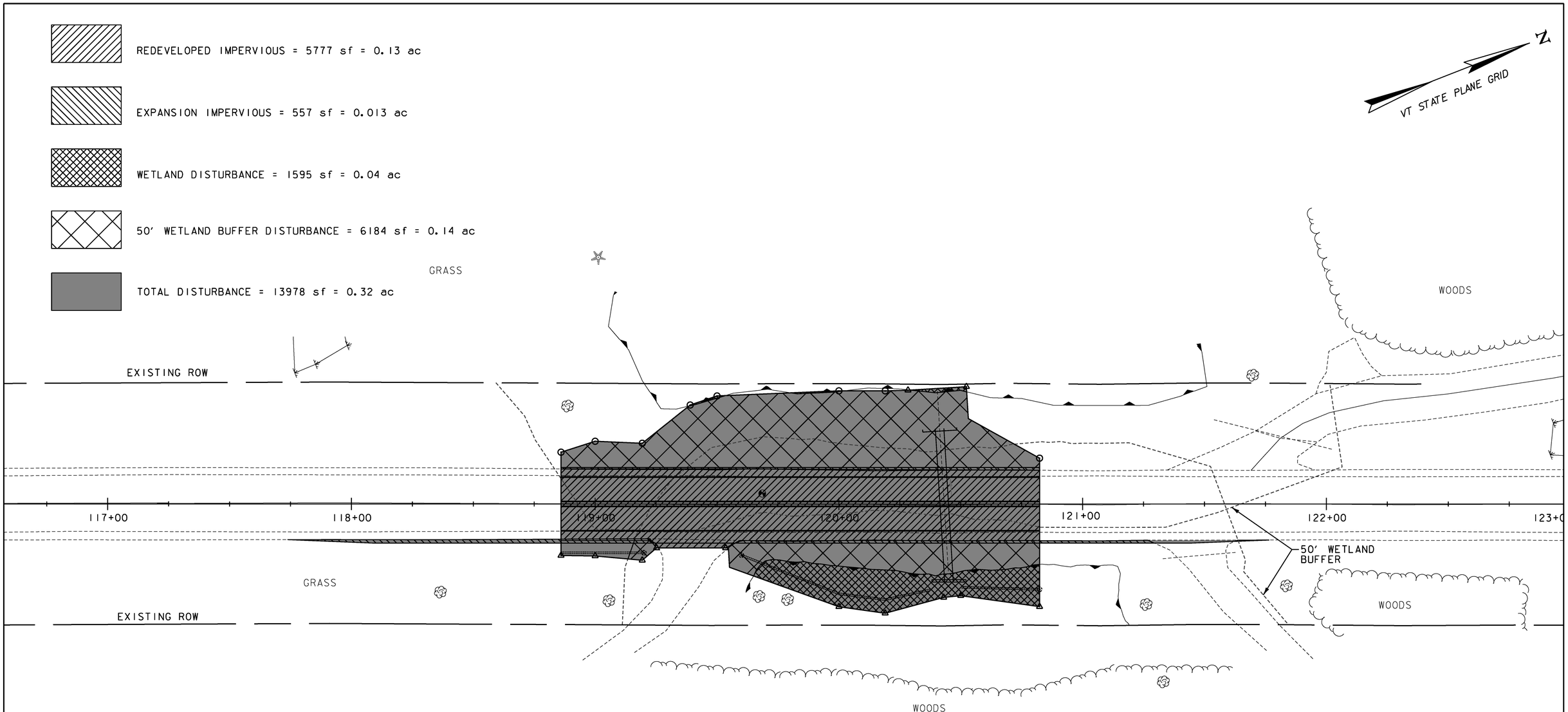
REDEVELOPED IMPERVIOUS = 5777 sf = 0.13 ac

EXPANSION IMPERVIOUS = 557 sf = 0.013 ac

WETLAND DISTURBANCE = 1595 sf = 0.04 ac

50' WETLAND BUFFER DISTURBANCE = 6184 sf = 0.14 ac

TOTAL DISTURBANCE = 13978 sf = 0.32 ac



0 20 40
SCALE

Stantec

SITE 2 DISTURBANCE PLAN

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\z11b064bdr_dist2.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
SHEET 371 OF 387

GENERAL TRAFFIC CONTROL NOTES

1. IT IS ANTICIPATED THAT CONSTRUCTION OF THIS PROJECT WILL REQUIRE TEMPORARY INFRASTRUCTURE SUCH AS TEMPORARY WIDENING AND SIGNAL SYSTEMS AS DETAILED IN THE FOLLOWING TRAFFIC CONTROL PLANS. THE TRAFFIC CONTROL PLANS WERE DEVELOPED BASED ON THE PROPOSED TRAFFIC CONTROL SEQUENCE SHOWN ON TEMPORARY TRAFFIC CONTROL SHEETS 3 AND 4. THE CONTRACTOR SHALL MODIFY THE TRAFFIC CONTROL SEQUENCE AND PLANS AS NECESSARY FOR SPECIFIC SITUATIONS. THE CONTRACTOR'S ALTERNATE PROPOSAL SHALL BE SUBMITTED TO THE RESIDENT ENGINEER FOR APPROVAL. THE CONTRACTOR MUST ALLOW AT LEAST 4 WEEKS FOR REVIEW AND APPROVAL OF A COMPREHENSIVE PLAN AND 2 WEEKS FOR REVIEW AND APPROVAL OF MINOR CHANGES/DETAILS. IF THE PLAN IS NOT APPROVED THE CONTRACTOR SHALL HAVE 1 WEEK TO SUBMIT A REVISED PROPOSAL. ALL MODIFIED PROPOSALS, PLANS AND DETAILS MUST BE DESIGNED AND IMPLEMENTED IN ACCORDANCE WITH THE MUTCD AND VTRANS STANDARDS.

2. SIGNS SHALL BE INSTALLED SO AS NOT TO OBSTRUCT EXISTING SIGNS OR CORNER SIGHT DISTANCE FROM HIGHWAYS, STREETS, ROADS OR DRIVES. PAYMENT TO BE INCIDENTAL TO 641.10, TRAFFIC CONTROL.

3. ALL SIGNS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND THE "STANDARD HIGHWAY SIGNS AND MARKINGS" BOOK (SHSM) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION (FHWA).

4. EXISTING STEEL BEAM GUARDRAIL SHALL REMAIN IN PLACE UNTIL TEMPORARY TRAFFIC BARRIER IS IN PLACE.

5. SOLID SUBSTRATE CONSTRUCTION SIGNS SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING "AMERICAN SOCIETY FOR TESTING AND MATERIALS" (ASTM) D 4956 TYPE VII, VIII OR IX REQUIREMENTS, UNLESS OTHERWISE NOTED. SOLID SUBSTRATE REGULATORY SIGNS (WHITE BACKGROUND) SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING ASTM D 4956 TYPE III.

6. ROLL UP SIGNS SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING ASTM D 4956 TYPE VI.

7. SIGNS SHALL BE ERECTED BEFORE THE START OF ANY WORK AND SHALL BE COVERED UNTIL WORK COMMENCES. EACH SIGN SHALL BE ERECTED IN A NEAT AND WORKMANLIKE MANNER. SIGNS SHALL BE REMOVED UPON COMPLETION OF THE WORK AT THE DISCRETION OF THE ENGINEER.

8. FIXED SIGNS SHALL BE SET SECURELY IN THE GROUND. THE BOTTOM OF A SIGN SHALL BE AT LEAST SEVEN FEET ABOVE THE EDGE OF PAVEMENT. THE NEAREST EDGE OF A SIGN SHALL BE AT LEAST SIX FEET OUTSIDE THE SHOULDER POINT OR FOUR FEET OUTSIDE GUARDRAIL. SEE VTRANS STANDARD E-120.

9. WHERE SIGN INSTALLATIONS ARE NOT PROTECTED BY GUARDRAIL OR OTHER APPROVED TRAFFIC BARRIERS, ALL SIGN STANDS AND POST INSTALLATIONS SHALL BE ''NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM'' (NCHRP) REPORT 350 COMPLIANT. NO SIGN POSTS SHALL EXTEND OVER THE TOP OF THE SIGN INSTALLED ON SAID POST(S). WHEN ANCHORS ARE INSTALLED STUB SHALL NOT BE GREATER THAN FOUR INCHES ABOVE EXISTING GROUND.

10. THE NUMBER OF CHANNELIZING DEVICES, TYPE III BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY, THE ACTUAL NUMBER REQUIRED ARE TO BE DETERMINED BASED ON INDIVIDUAL DETOUR CONDITIONS (TAPERS, SPEED LIMITS, LENGTH OF DETOUR, CURVE, ETC.). WARNING LIGHTS SHALL NOT BE USED ON CHANNELIZING DEVICES.

11. COSTS ASSOCIATED WITH ALL CHANNELIZING DEVICES WITH THE EXCEPTION OF TEMPORARY TRAFFIC BARRIER AND TEMPORARY PAVEMENT MARKINGS SHALL BE PAID INCIDENTAL TO ITEM 641.10 TRAFFIC CONTROL.

12. DURING NON-WORK PERIODS, ALL EQUIPMENT SHALL BE MOVED TO A LOCATION OFF PAVED SHOULDERS AND OUTSIDE THE CLEAR ZONE (20') OR PROTECTED BY TRAFFIC BARRIER OR GUARDRAIL.

13. AT THE DISCRETION OF THE ENGINEER BUFFER SPACE LENGTHS MAY BE EXTENDED BEYOND MINIMUM VALUES.

14. DROP OFF PROTECTION IN CONSTRUCTION AREAS SHALL CONFORM TO VAOT STANDARDS E-108 AND E-108A.

15. ALL NON-OPERATING SIGNAL HEADS SHALL BE REMOVED OR COMPLETELY COVERED.

16. TRAFFIC SHALL NOT BE CHANGED FROM ONE PHASE TO THE NEXT PHASE UNTIL ALL TEMPORARY MARKING, SIGNING AND SIGNAL WORK ARE COMPLETED. ANY CONFLICT IN MARKING SHALL BE REMOVED.

17. UNLESS COVERED UNDER INDIVIDUAL PAY ITEMS OR NOTED OTHERWISE, ALL COST FOR WORK SHOWN ON THE FOLLOWING SHEETS FOR TEMPORARY TRAFFIC CONTROL DEVICES INCLUDING TRAFFIC SIGNALS, TRAFFIC BARRIERS, RETROREFLECTIVE DRUMS, SIGNS, AND SIGN POSTS WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR ITEM 641.10 TRAFFIC CONTROL.

18. NORTHBOUND AND SOUTHBOUND LANES ARE TO BE EXCAVATED INCREMENTALLY. THE VERTICAL DROP SHALL MAINTAIN COMPLIANCE WITH STANDARDS E-108 AND E-108A FOR CHANNELIZING DEVICES. THESE PHASING DETAILS SHOW THE LIMIT OF WORK AND ALL THE EXCAVATION FOR PHASE I DOES NOT NEED TO BE COMPLETED PRIOR TO COMMENCING EXCAVATION OF PHASE II.

TEMPORARY TRAFFIC SIGNAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING SIGNAL PHASING. THE CONTRACTOR SHALL SUBMIT PHASING DIAGRAM TO THE ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL MAKE SIGNALS OPERATIONAL ONLY AFTER RECEIVING APPROVAL OF THE PHASING DIAGRAM BY THE ENGINEER. DEVELOPMENT OF THE PHASING DIAGRAM SHALL BE PAID INCIDENTAL TO ITEM 678.40 TEMPORARY TRAFFIC SIGNAL SYSTEM.

2. DESIGN OF THE SIGNAL SUPPORTS AND ANY REQUIRED GUYING IS THE RESPONSIBILITY OF THE CONTRACTOR.

3. SIGNAL TIMING/TIMING ADJUSTMENTS REQUESTED BY THE ENGINEER SHALL BE ACCOMPLISHED WITHIN A 48 HOUR PERIOD AND PAYMENT SHALL BE INCIDENTAL TO ITEM 678.40, "TEMPORARY TRAFFIC SIGNAL SYSTEM". THE ENGINEER SHALL MAKE SEVERAL TRIAL RUNS TO DETERMINE THE PROPER ALL-RED CLEARANCE INTERVAL.

4. SIGNAL FACES SHALL BE LED AND CONSIST OF 12" LENSES. (RED, YELLOW, AND GREEN)

5. THE BOTTOM OF THE HOUSING OF A SIGNAL FACE SUSPENDED OVER A ROADWAY SHALL NOT BE LESS THAN 16.5 FEET NOR MORE THAN 19 FEET ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY. THE BOTTOM OF A SIGNAL FACE NOT MOUNTED OVER A ROADWAY SHALL NOT BE LESS THAN 8 FEET NOR MORE THAN 15 FEET ABOVE THE GROUND.

6. SIGNAL FACES FOR ANY ONE APPROACH SHALL NOT BE LESS THAN 8 FEET APART MEASURED HORIZONTALLY BETWEEN CENTER FACES.

7. CONSULT THE M.U.T.C.D. FOR INFORMATION CONCERNING SIGNAL PLACEMENT.

8. THE SIGNAL SYSTEM SHALL CONSIST OF POLES, SIGNS AND POSTS, WARNING SIGNS, LUMINAIRES, FLASHING BEACONS, ASSOCIATED PAVEMENT MARKINGS, AND SIGNAL EQUIPMENT TO PROVIDE FOR AN ADEQUATE DESIGN. THE CONTRACTOR WILL BE RESPONSIBLE FOR PERMITS AND COSTS ASSOCIATED WITH PROVIDING ELECTRICAL POWER.

9. INSTALL WIRING BETWEEN SIGNAL POLES TO PROVIDE FOR A SAFE INSTALLATION. ATTACHMENT TO UTILITY POLES TO BE COORDINATED BY THE CONTRACTOR WITH THE UTILITY COMPANY.

10. TEMPORARY POLES TO BE PLACED OUTSIDE THE 20 FOOT CLEARZONE.

11. POLES SUPPORTING SPAN WIRES AND/OR MAST ARMS SHALL BE ADEQUATELY BRACED OR GUYED AND SHALL NOT BE PLACED SO AS TO CREATE A HAZARD TO THE TRAVELING PUBLIC.

12. ALL TEMPORARY SIGNAL EQUIPMENT, SIGNS, ETC., SHALL BELONG TO THE CONTRACTOR AT THE END OF THE PROJECT AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR REMOVAL INCLUDING ANY TEMPORARY PAVEMENT MARKINGS, UTILITY POLES, WIRES, ETC.

13. STOP BARS SHALL BE LOCATED A MINIMUM OF 40' AND A MAXIMUM OF 120' FROM THE NEAREST SIGNAL HEAD.

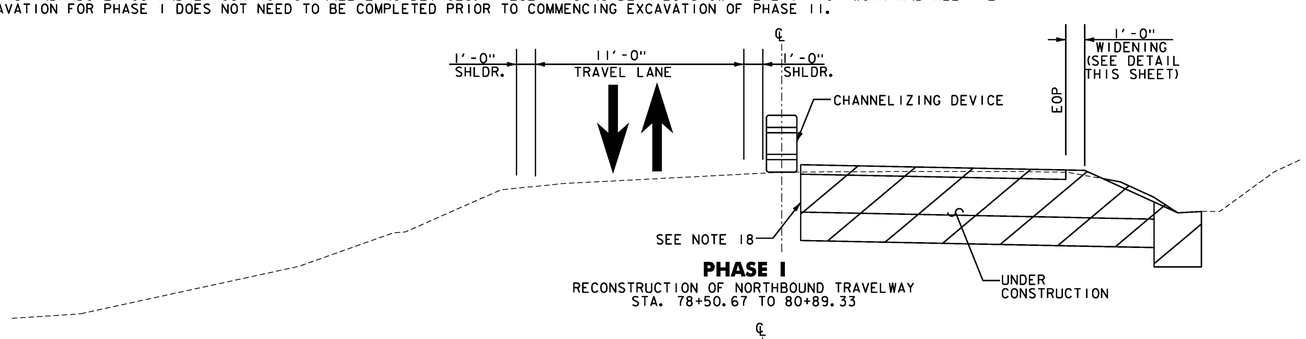
14. SEE STD. E-121 FOR SIGN PLACEMENT. SEE STANDARDS E-171A AND E-172 FOR ADDITIONAL INFORMATION ON SIGNALS.

15. ALL ELECTRICAL WORK SHALL CONFORM WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND STATE INSPECTOR.

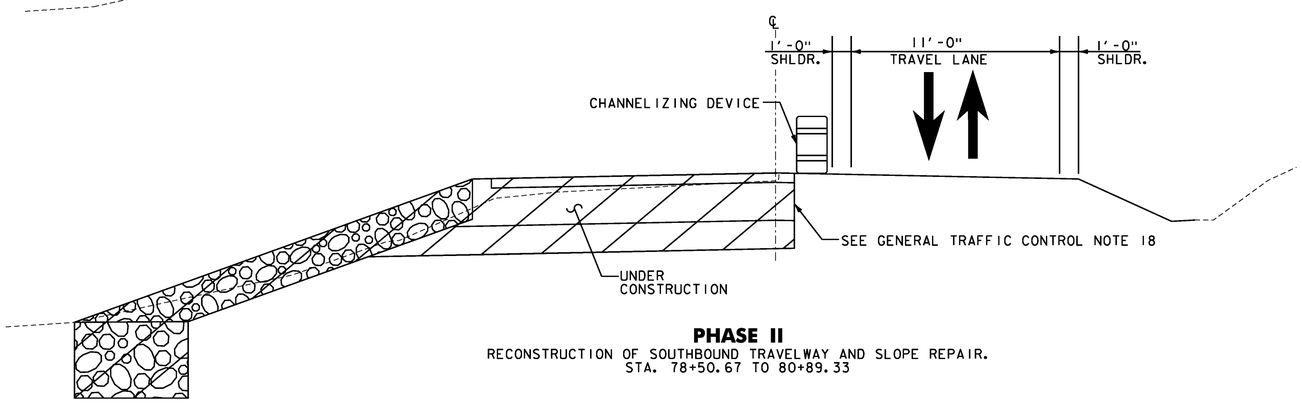
16. ALL STOP SIGNS AND ANY TRAFFIC SIGNS MADE IRRELEVANT DUE TO THE TEMPORARY SIGNAL SHALL BE COVERED DURING OPERATION OF THE TEMPORARY SIGNAL OR AT THE DISCRETION OF THE ENGINEER. THE COSTS OF COVERING AND UNCOVERING THESE SIGNS SHALL BE PAID INCIDENTAL TO OTHER TRAFFIC CONTROL ITEMS.

17. CONSTRUCTION APPROACH SIGNS SHALL BE PROVIDED ON EACH APPROACH PER THE CONSTRUCTION APPROACH SIGNING SHOWN ON SHEETS 374 & 375. ADDITIONAL CONSTRUCTION APPROACH SIGNS SHALL BE INSTALLED AS REQUIRED BY THE ENGINEER PER STANDARDS E-100A, E-101, E-102 AND E-102A. PAYMENT FOR THESE SIGNS, MARKERS, ETC., SHALL BE PAID INCIDENTAL TO CONTRACT ITEM 641.10.

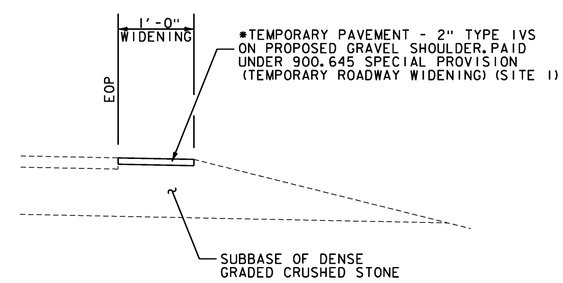
18. CONTRACTOR SHALL MEET WITH EACH PROPERTY OWNER AFFECTED BY THE TEMPORARY SIGNAL. CONTRACTOR SHALL SUGGEST TO PROPERTY OWNER THAT PROPERTY OWNER SHOULD WAIT UNTIL TRAFFIC IS FLOWING IN THE DIRECTION THE PROPERTY OWNER WISHES TO TRAVEL AND ENTER AT THE END OF THAT LINE.



PHASE I
RECONSTRUCTION OF NORTHBOUND TRAVELWAY
STA. 78+50.67 TO 80+89.33



PHASE II
RECONSTRUCTION OF SOUTHBOUND TRAVELWAY AND SLOPE REPAIR.
STA. 78+50.67 TO 80+89.33



TEMPORARY WIDENING DETAIL
*REMOVAL OF TEMPORARY PAVEMENT TO BE PAID UNDER 900.645 SPECIAL PROVISION (TEMPORARY ROADWAY WIDENING) (SITE 1)

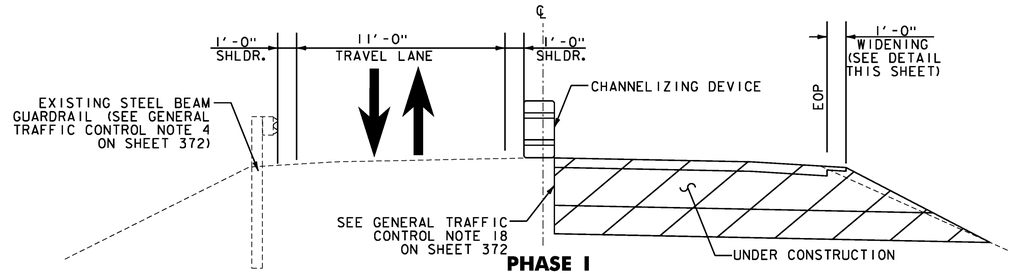
NOT TO SCALE

Stantec

TEMPORARY TRAFFIC CONTROL SHEET 1

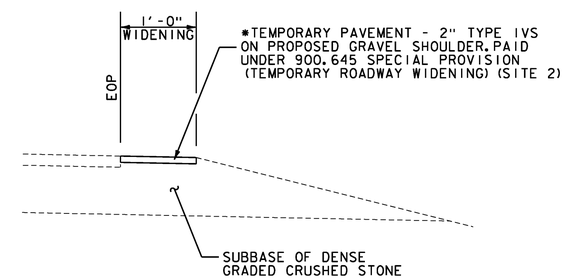
PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_tcpl.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
TEMPORARY TRAFFIC CONTROL SHEET 1 SHEET 372 OF 387



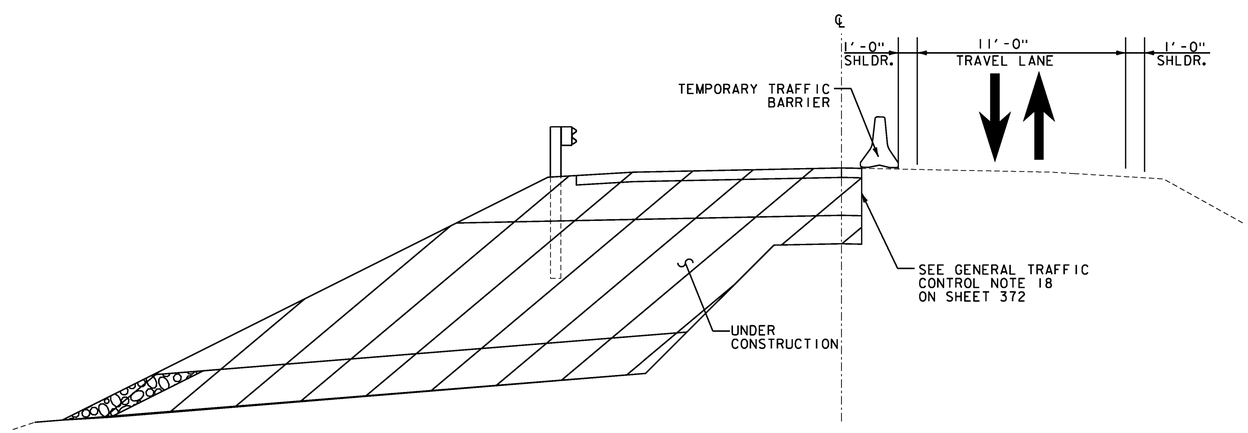
PHASE I

RECONSTRUCTION OF NORTHBOUND TRAVELWAY AND WIDENING
STA. 118+86 TO 120+82.33



TEMPORARY WIDENING DETAIL

*REMOVAL OF TEMPORARY PAVEMENT TO BE
PAID UNDER 900.645 SPECIAL PROVISION
(TEMPORARY ROADWAY WIDENING) (SITE 2)



PHASE II

RECONSTRUCTION OF SOUTHBOUND TRAVELWAY AND SLOPE REPAIR.
STA. 118+86 TO 120+82.33

NOT TO SCALE

Stantec

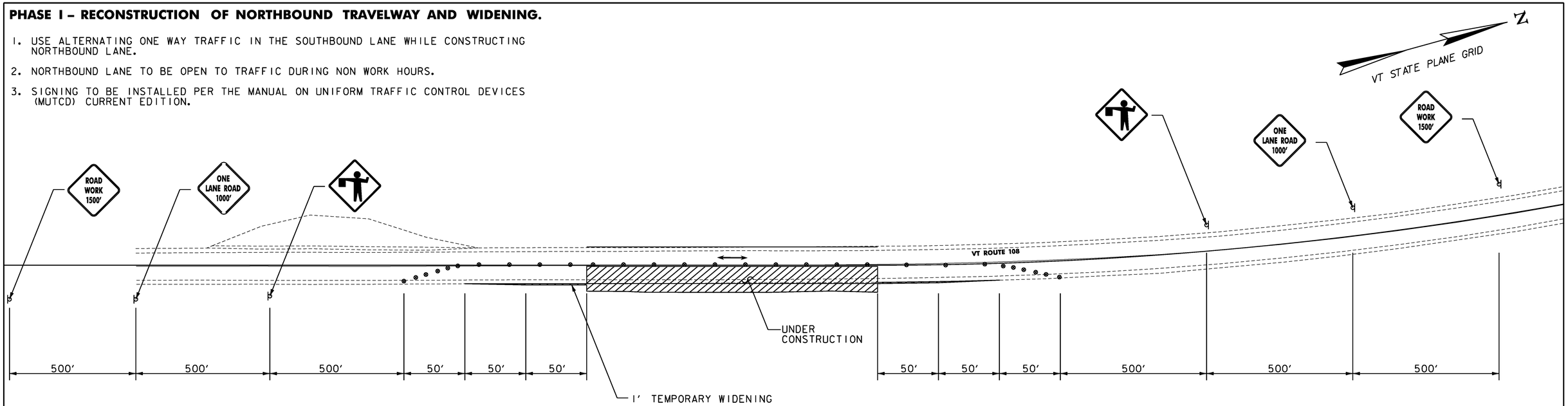
TEMPORARY TRAFFIC CONTROL SHEET 2

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\z11b064bdr_tcp2.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
TEMPORARY TRAFFIC CONTROL SHEET 2 SHEET 373 OF 387

PHASE I – RECONSTRUCTION OF NORTHBOUND TRAVELWAY AND WIDENING.

1. USE ALTERNATING ONE WAY TRAFFIC IN THE SOUTHBOUND LANE WHILE CONSTRUCTING NORTHBOUND LANE.
2. NORTHBOUND LANE TO BE OPEN TO TRAFFIC DURING NON WORK HOURS.
3. SIGNING TO BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.



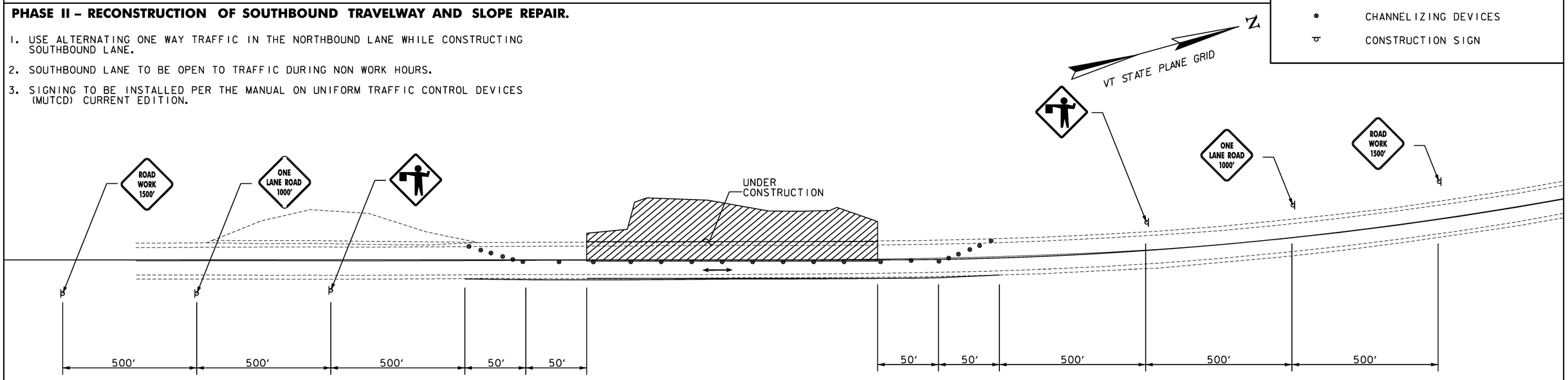
SITE I
N. T. S.

LEGEND

- UNDER CONSTRUCTION
- ALTERNATING ONE WAY TRAFFIC
- CHANNELIZING DEVICES
- CONSTRUCTION SIGN

PHASE II – RECONSTRUCTION OF SOUTHBOUND TRAVELWAY AND SLOPE REPAIR.

1. USE ALTERNATING ONE WAY TRAFFIC IN THE NORTHBOUND LANE WHILE CONSTRUCTING SOUTHBOUND LANE.
2. SOUTHBOUND LANE TO BE OPEN TO TRAFFIC DURING NON WORK HOURS.
3. SIGNING TO BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.



SITE I
N. T. S.

Stantec

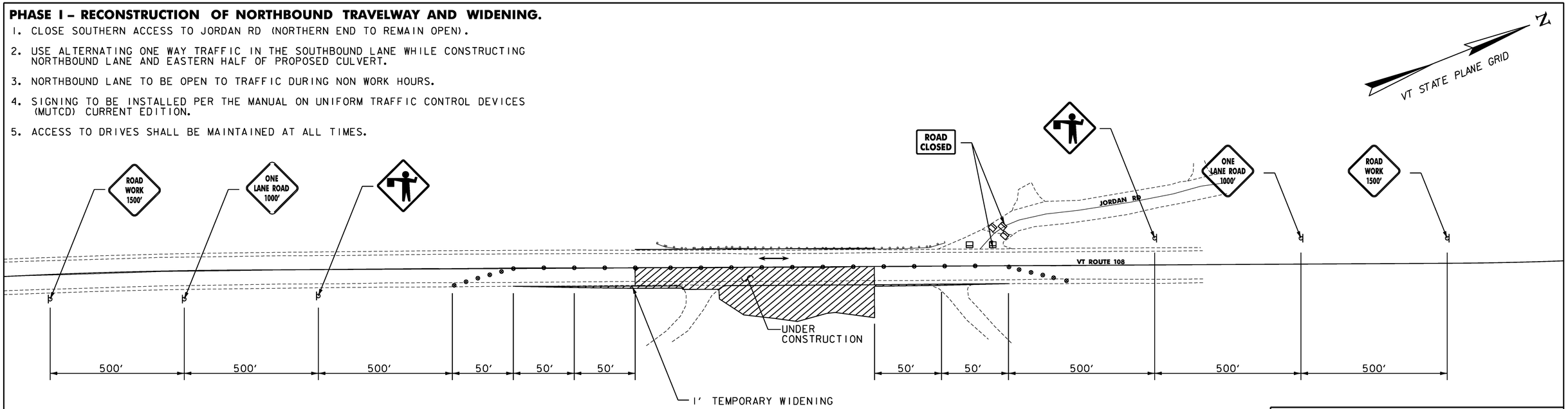
TEMPORARY TRAFFIC CONTROL SHEET 3

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_tcp3.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
TEMPORARY TRAFFIC CONTROL SHEET 3 SHEET 374 OF 387

PHASE I – RECONSTRUCTION OF NORTHBOUND TRAVELWAY AND WIDENING.

1. CLOSE SOUTHERN ACCESS TO JORDAN RD (NORTHERN END TO REMAIN OPEN).
2. USE ALTERNATING ONE WAY TRAFFIC IN THE SOUTHBOUND LANE WHILE CONSTRUCTING NORTHBOUND LANE AND EASTERN HALF OF PROPOSED CULVERT.
3. NORTHBOUND LANE TO BE OPEN TO TRAFFIC DURING NON WORK HOURS.
4. SIGNING TO BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
5. ACCESS TO DRIVES SHALL BE MAINTAINED AT ALL TIMES.



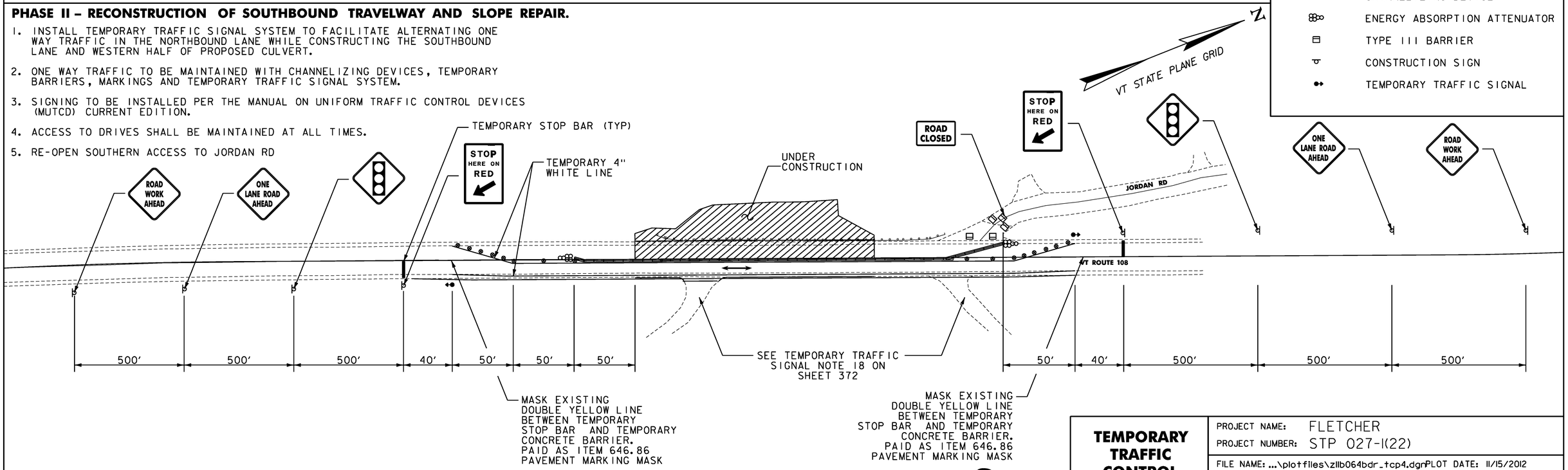
SITE 2
N. T. S.

LEGEND

- UNDER CONSTRUCTION
- ALTERNATING ONE WAY TRAFFIC
- TEMPORARY TRAFFIC BARRIER
- CHANNELIZING DEVICE
- ENERGY ABSORPTION ATTENUATOR
- TYPE III BARRIER
- CONSTRUCTION SIGN
- TEMPORARY TRAFFIC SIGNAL

PHASE II – RECONSTRUCTION OF SOUTHBOUND TRAVELWAY AND SLOPE REPAIR.

1. INSTALL TEMPORARY TRAFFIC SIGNAL SYSTEM TO FACILITATE ALTERNATING ONE WAY TRAFFIC IN THE NORTHBOUND LANE WHILE CONSTRUCTING THE SOUTHBOUND LANE AND WESTERN HALF OF PROPOSED CULVERT.
2. ONE WAY TRAFFIC TO BE MAINTAINED WITH CHANNELIZING DEVICES, TEMPORARY BARRIERS, MARKINGS AND TEMPORARY TRAFFIC SIGNAL SYSTEM.
3. SIGNING TO BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
4. ACCESS TO DRIVES SHALL BE MAINTAINED AT ALL TIMES.
5. RE-OPEN SOUTHERN ACCESS TO JORDAN RD



SITE 2
N. T. S.

Stantec

TEMPORARY TRAFFIC CONTROL SHEET 4

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\z11b064bdr_tcp4.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
TEMPORARY TRAFFIC CONTROL SHEET 4 SHEET 375 OF 387

DRILLING NOTES

PROJECT NAME: FLETCHER VT-108 SLIDE **PROJECT NUMBER:** STP 027-1(22) **SITE:** VT-108
BORING CREW: WERNER, WELLS **DATE:** 6/06/2011 to 6/29/2011 **REVIEWED BY:** CCB
STA. 119+70, 49.5' LT

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOSITURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS	SOIL DES	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-101	6/6/2011	2.2	48.3 LT	0.0 - 2.0	A	SiCl, Gry, Moist	31.5	A-6	SiCl	8.2	8.9	82.9	37	11
Fletcher				2.0 - 4.0	A	SiCl, Gry, Moist	28.5	A-6	SiCl	1.5	15.7	82.8	34	12
				4.0 - 6.0	A	Shelby Tube, Gry, Wet								
				6.0 - 8.0	A	SiCl, Gry, Wet	39.7	A-6	SiCl	0.3	7.8	91.9	38	16
				8.0 - 9.0	A	SiCl, Gry, Wet	34.1	A-6	SiCl		2.5	97.5	37	15
				9.0 - 10.0	A	SiCl	44.6	A-6	SiCl	0.5	0.9	98.6	39	16
				10.0 - 12.0	A	SiCl, Gry, Wet	41.5	A-6	SiCl		2.9	97.1	33	12
				12.0 - 14.0	A	Si, Gry, Wet	30.2	A-4	Si		8.1	91.9	26	3
				16.0 - 18.0	A	Si, Gry, Wet	32.2	A-4	Si		1.9	98.1	26	4
				20.0 - 22.0	A	Si, Gry, Wet	36.1	A-4	Si		2.6	97.4	27	6
				25.0 - 26.0	A	Si, Gry, Wet	30.8	A-4	Si	0.1	2.8	97.1		
				26.0 - 27.0	A	Si, Gry, MTW	29.6	A-4	Si		1.9	98.1		
				30.0 - 32.0	A	ClSi, Gry, MTW	32.9	A-4	ClSi		3.1	96.9	30	7
				35.0 - 37.0	A	Si, Gry, Wet	30.2	A-4	Si		2.5	97.5	25	4
				40.0 - 42.0	A	ClSi, Gry, MTW	32.7	A-4	ClSi	0.6	5.1	94.3	30	9
				45.0 - 47.0	A	Si, Gry, Wet	33.0	A-4	Si		2.2	977.8		
				50.0 - 52.0	A	Si, Brn, MTW	29.3	A-4	Si		14.8	85.2		
				55.0 -57.0	A	Si, Brn, Wet	33.1	A-4	Si		9.9	90.1		
				57.0 - 59.0	A	SaSi, Brn, Wet	28.2	A-4	Si		9.9	90.1		
				NLTD										

DRILLING NOTES

PROJECT NAME: FLETCHER VT-108 SLIDE **PROJECT NUMBER:** STP 027-1(22) **SITE:** VT-108
BORING CREW: WERNER, WELLS **DATE:** 6/06/2011 to 6/29/2011 **REVIEWED BY:** CCB
STA. 119+73, 4' LT

BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOSITURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS	SOIL DES	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-102	6/22/2011	2.2	3.40 LT	1.0 - 2.0	A	GrSa, Brn, Dry	4.6	A-1-b	GrSa	43.3	44.1	12.6		
Fletcher				2.0 - 5.0	A	SaGr, Brn, Dry	5.1	A-1-b	SaGr	42.3	40.0	17.7		
				5.0 - 7.0	A	SiGrSa, Brn, Moist	6.6	A-1-b	SiGrSa	37.0	41.6	21.4		
				7.0 - 9.0	A	SiCl, Gry, Moist	24.3	A-6	SiCl	1.6	11.3	87.1	34	14
				9.0 - 11.0	A	SiCl, Gry, Moist	27.2	A-6	SiCl	0.6	7.3	92.1	40	18
				11.0 - 13.0	A	SiCl, Gry, MTW	32.9	A-7-6	SiCl	4.7	9.1	86.2	41	18
				13.0 -15.0	A	SiCl, Gry, Wet	35.3	A-6	SiCl	1.0	6.4	92.6	34	12
				15.0 -17.0	A	SiCl, Gry, Wet	39.8	A-7	SiCl		2.1	97.9	33	11
				17.0 -19.0	A	ClSi, gry, Wet	36.1	A-4	ClSi	0.7	5.1	94.2	31	10
				24.0 - 26.0	A	ClSi, gry, Wet	37.8	A-4	ClSi		3.1	96.9	31	10
				NLTD										

DRILLING NOTES

PROJECT NAME: FLETCHER VT-108 SLIDE **PROJECT NUMBER:** STP 027-1(22) **SITE:** VT-108
BORING CREW: WERNER, WELLS **DATE:** 6/06/2011 to 6/29/2011 **REVIEWED BY:** CCB
STA. 119+69, 4' LT

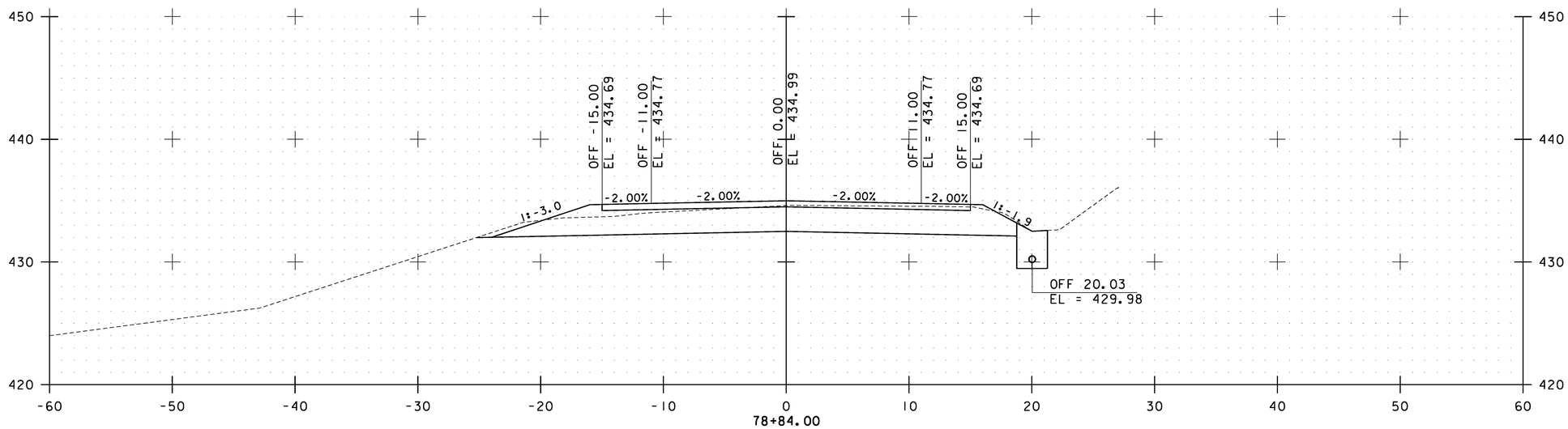
BORING No.	DATE DRILLED	MILE MARKER	OFFSET (FT)	DEPTH (FT)	SAMPLE TYPE	FIELD DESCRIPTION: SOIL TYPE, COLOR, MOSITURE	LABORATORY RESULTS: % MOISTURE	AASHTO CLASS	SOIL DES	% GRAVEL	% SAND	% FINES	LIQUID LIMIT	PLASTIC LIMIT
B-103	8/1/2011	2.2	4.50 LT	0.0 - 0.8	A	Asphalt								
Fletcher				7.0 - 9.0	A	SiCl, Gry-Brn, Moist	25.0	A-6	SiCl	2.4	10.7	86.9	37	17
				9.0 - 11.0	A	Shelby Tube, gry, Moist								
				11.0 -13.0	A	SiCl, Gry-Brn, Moist	31.0	A-6	SiCl	4.3	17.2	78.5	36	17
				13.0 - 15.0	A	SiCl, Gry, Wet	32.7	A-6	SiCl	0.1	0.7	99.2	34	14
				15.0 - 17.0	A	SiCl, Gry, Wet	40.5	A-6	SiCl	0.5	1.2	98.3	35	15
				17.0 - 17.5	A	SiCl, Gry, Wet	32.2	A-6	SiCl	1.6	12.4	86.0	40	17
				17.5 - 18.0	A	Cl	39.9	A-7-6	Cl	0.3	0.8	98.9	49	24
				18.0 - 19.0	A	Cl	41.3	A-7-6	Cl	0.1	1.2	98.7	49	23
				19.0 - 21.0	A	Cl, Gry, Wet	40.5	A-7-6	Cl		0.6	99.4	43	21
				23.0 - 25.0	A	Cl, Gry, Wet	35.7	A-7-6	Cl	0.4	2.4	97.2	43	22
				30.0 - 32.0	A	SiCl, Gry, Wet	33.7	A-6	SiCl	0.7	2.7	96.9	31	11
				33.0 - 35.0	A	Si, Gry, Wet	33.1	A-4	Si		3.0	97.0	26	4
				NLTD										

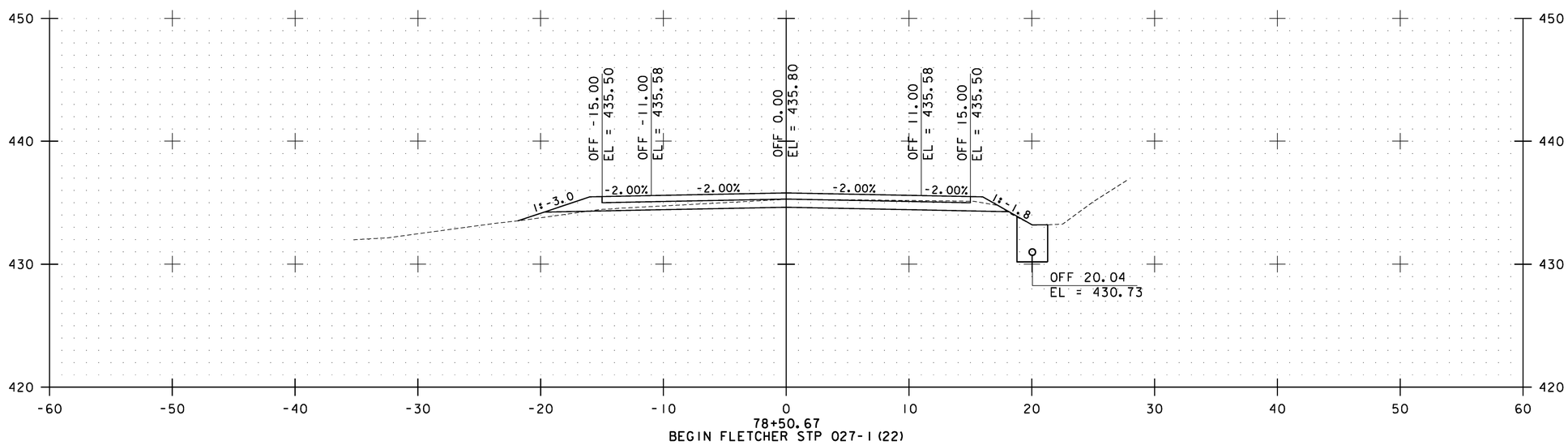
Stantec

SOIL BORING DATA SHEET

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_bor.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
SOIL BORING DATA SHEET SHEET 376 OF 387





0 5 10
SCALE

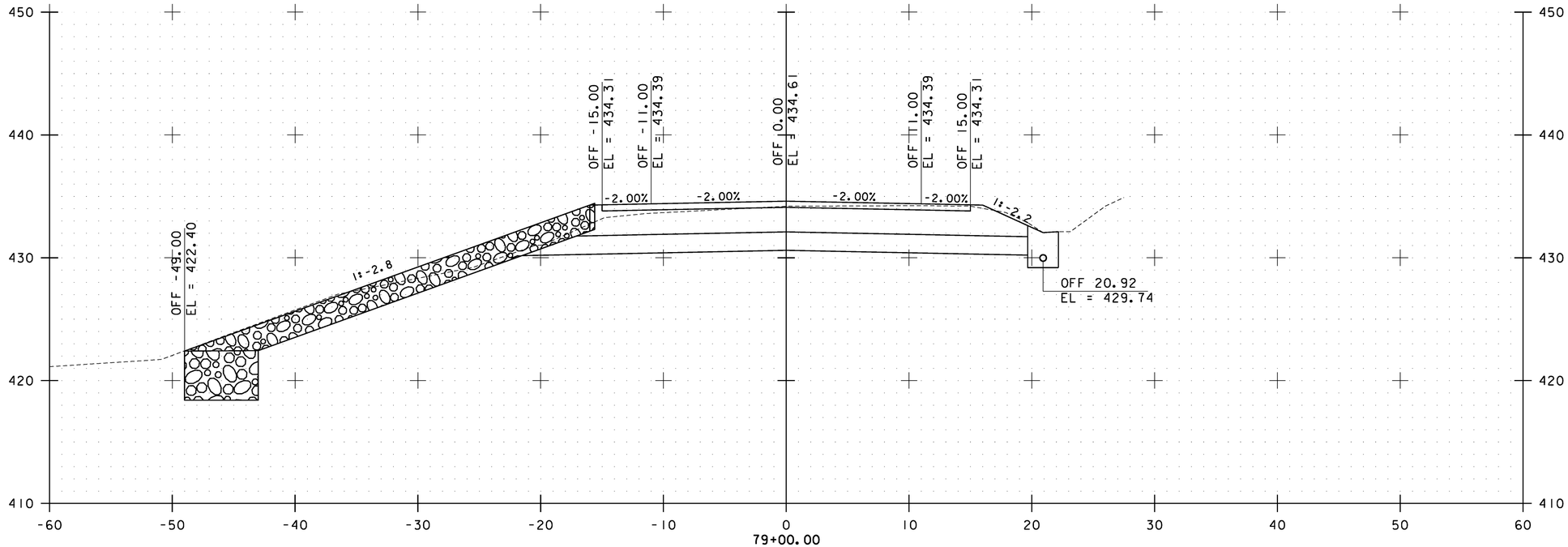
Stantec

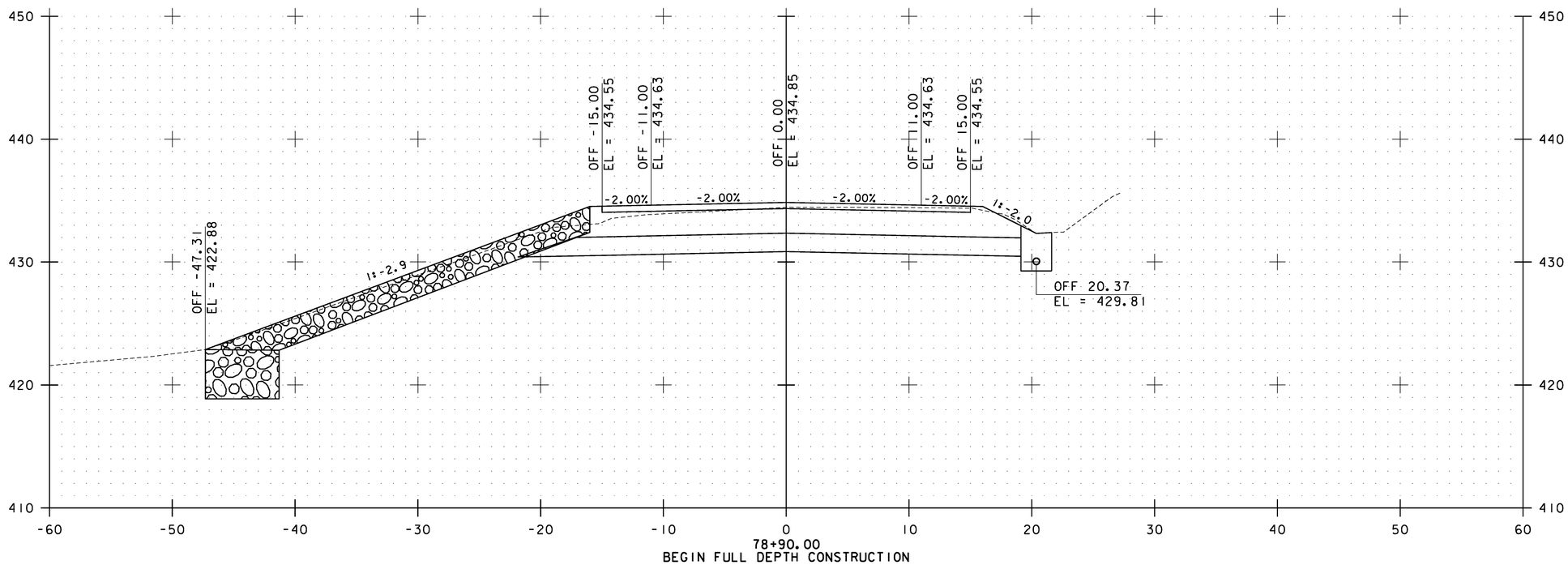
CROSS SECTIONS SHEET 1

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_xsl.dgn
PROJECT LEADER: GAE
DESIGNED BY: ISM
CROSS SECTIONS SHEET 1

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: MCF
SHEET 377 OF 387





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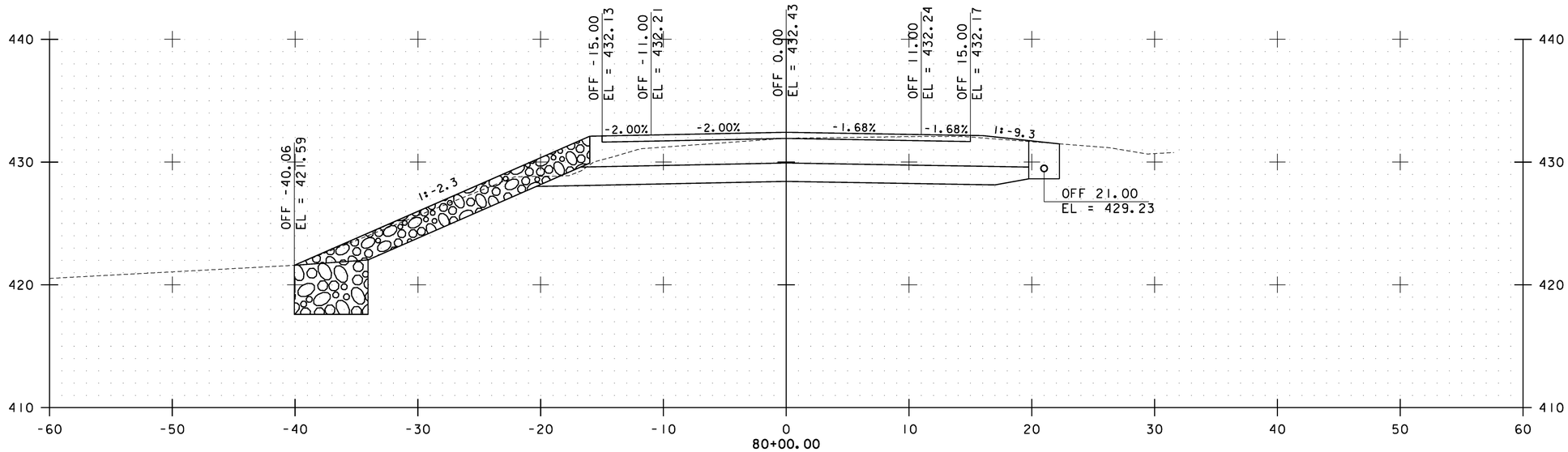
SCALE

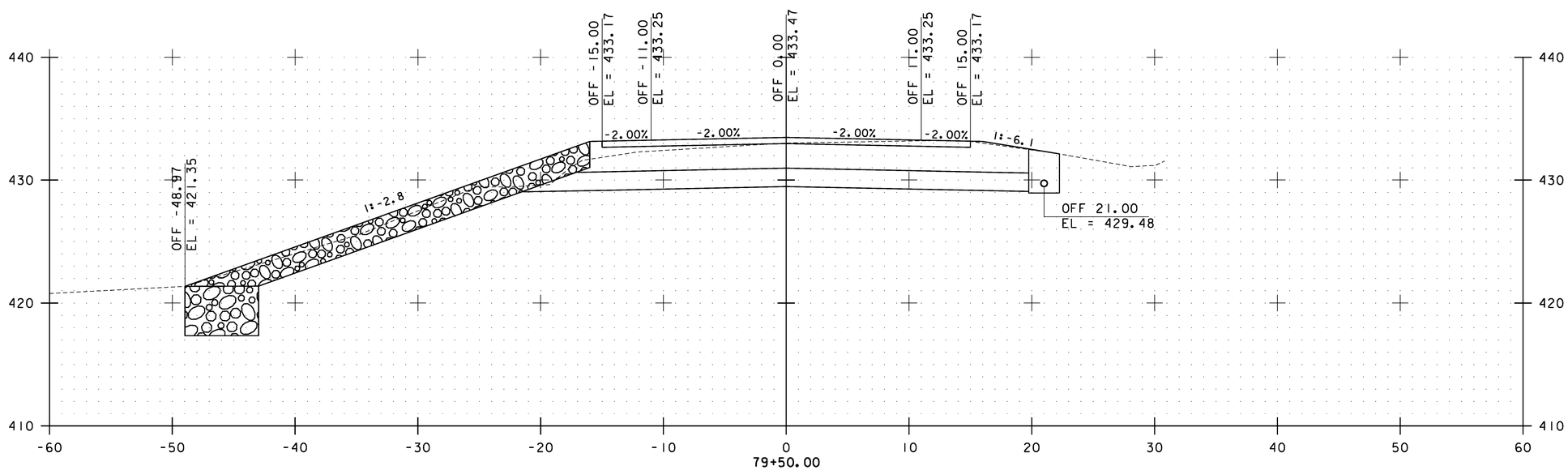
Stantec

CROSS SECTIONS SHEET 2

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_xs2.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
CROSS SECTIONS SHEET 2 SHEET 378 OF 387





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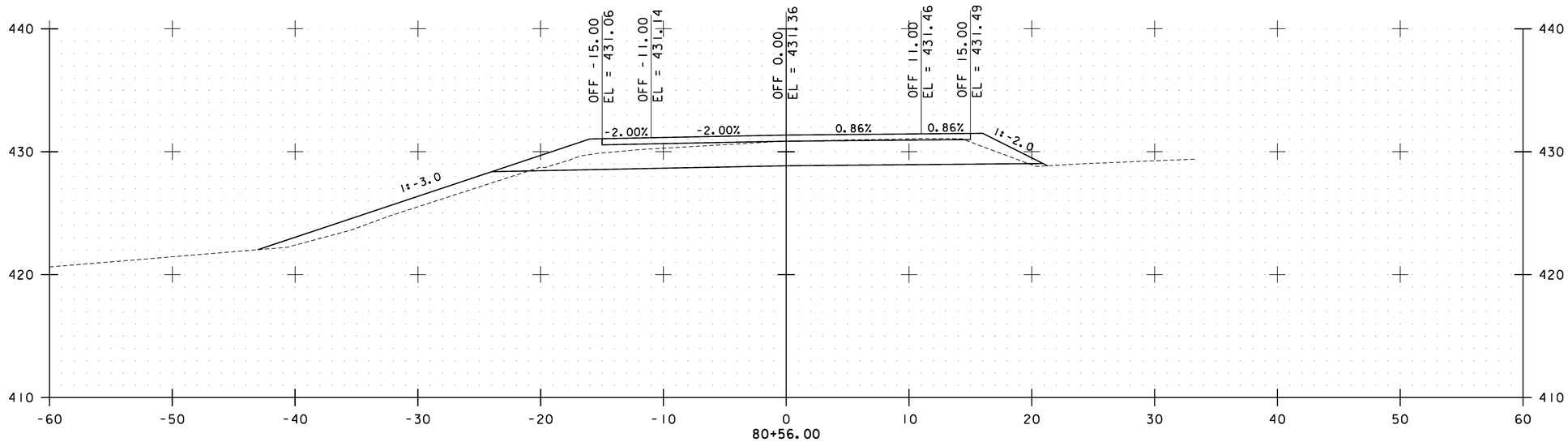
SCALE

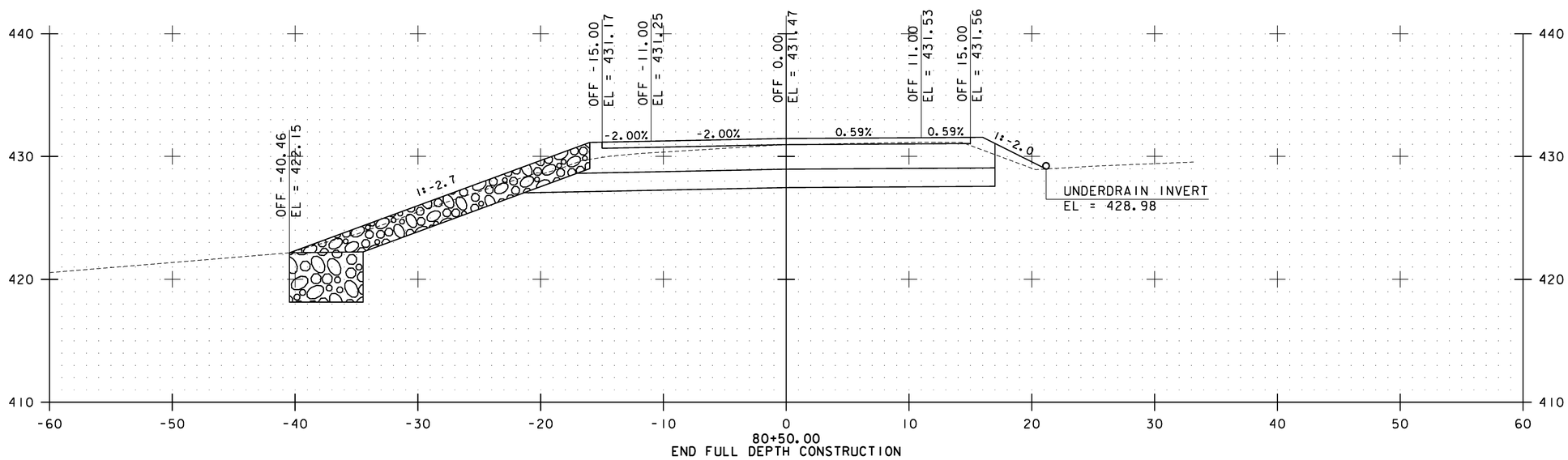
Stantec

CROSS SECTIONS SHEET 3

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_xs3.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
CROSS SECTIONS SHEET 3 SHEET 379 OF 387





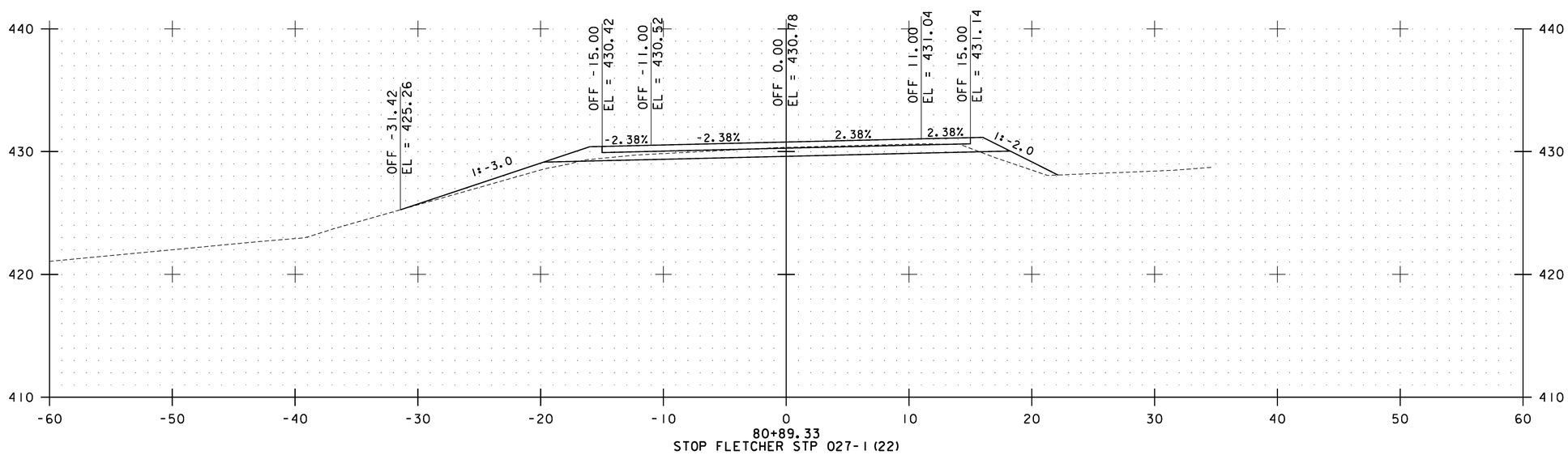
0 5 10
SCALE

Stantec

CROSS SECTIONS SHEET 4

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_xs4.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
CROSS SECTIONS SHEET 4 SHEET 380 OF 387



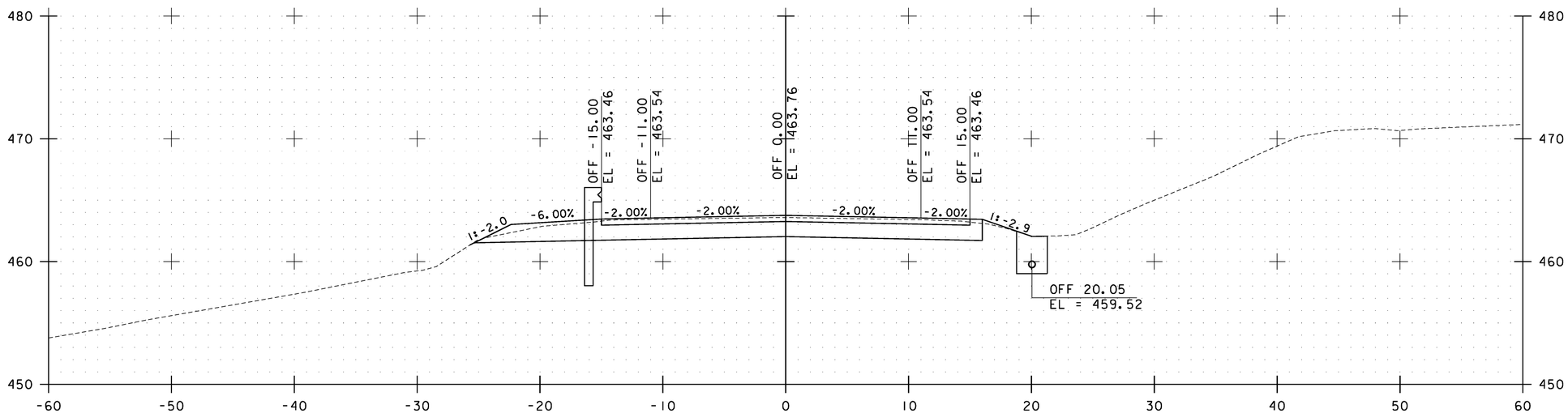
0 5 10
SCALE

Stantec

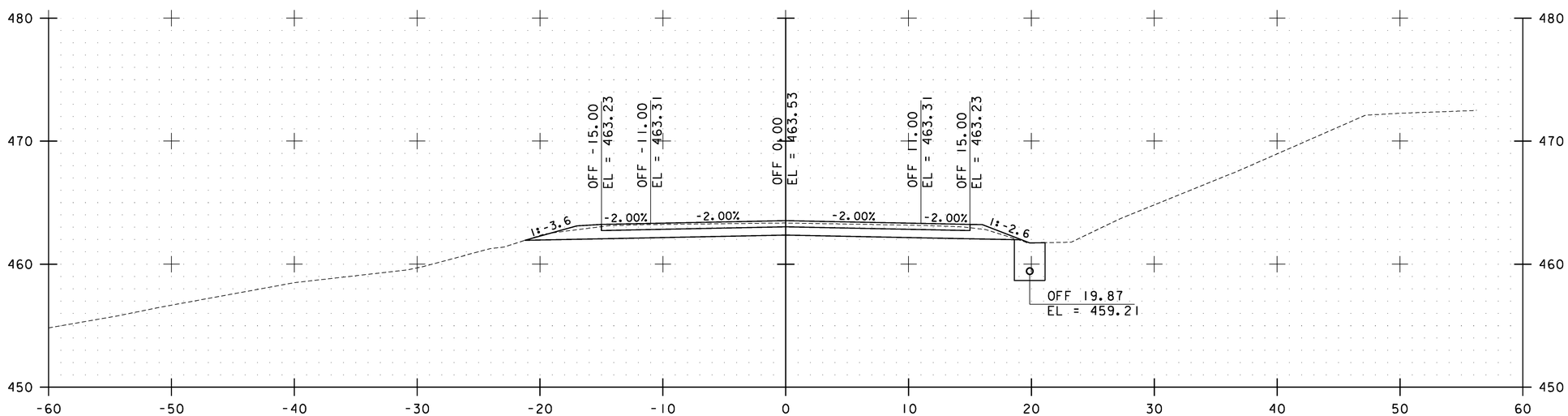
CROSS SECTIONS SHEET 5

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_xs5.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
CROSS SECTIONS SHEET 5 SHEET 381 OF 387



119+00.00



118+86.00
RESUME FLETCHER STP 027-1(22)

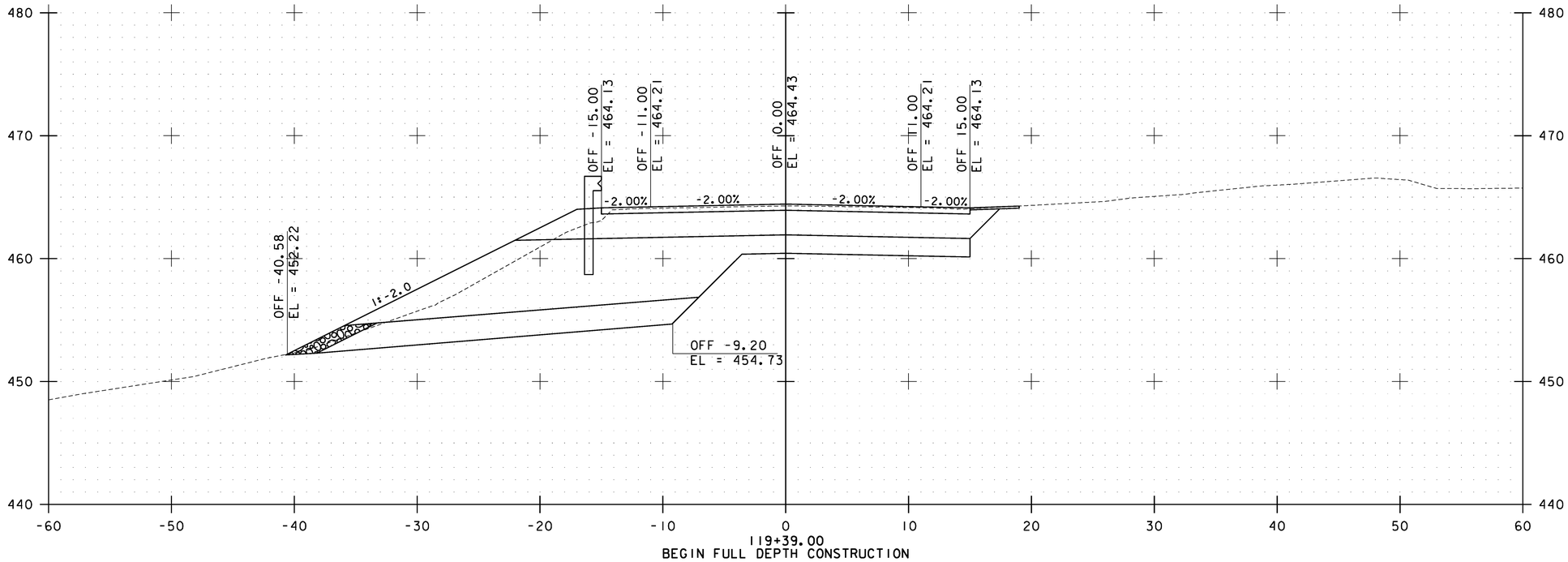
0 5 10
SCALE

Stantec

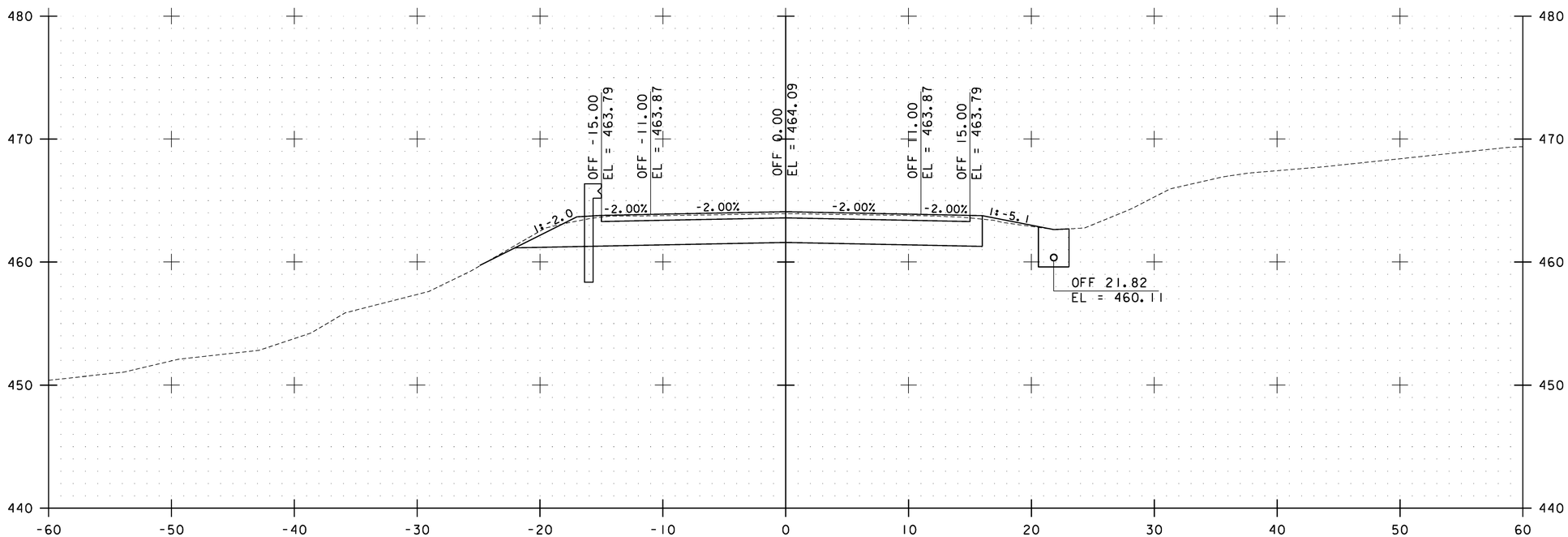
CROSS SECTIONS SHEET 6

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_xs6.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
CROSS SECTIONS SHEET 6 SHEET 382 OF 387



119+39.00
BEGIN FULL DEPTH CONSTRUCTION



119+19.33

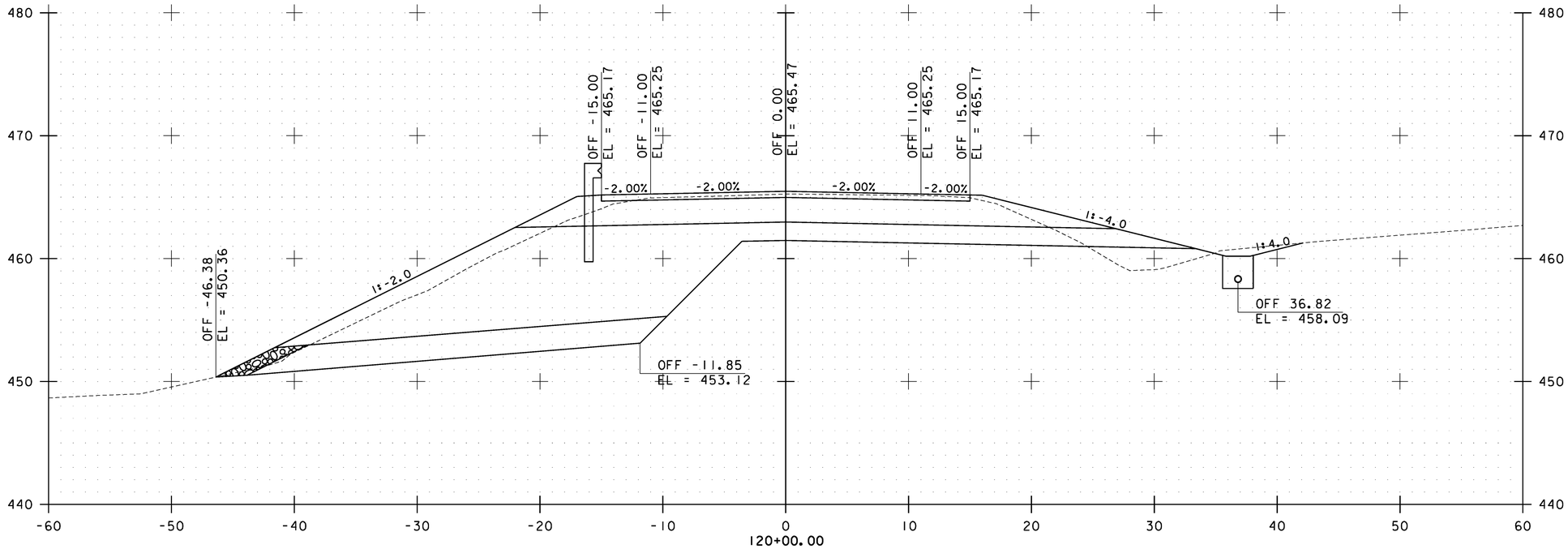
0 5 10
SCALE

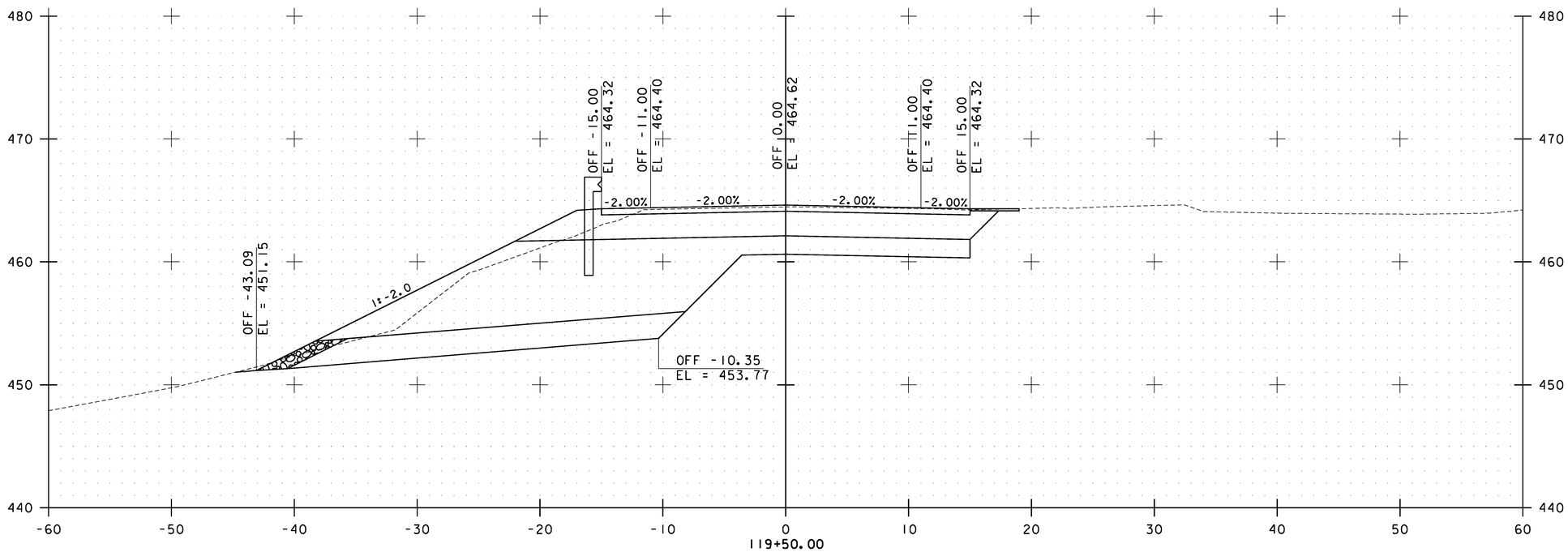
Stantec

CROSS SECTIONS SHEET 7

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_xs7.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
CROSS SECTIONS SHEET 7 SHEET 383 OF 387





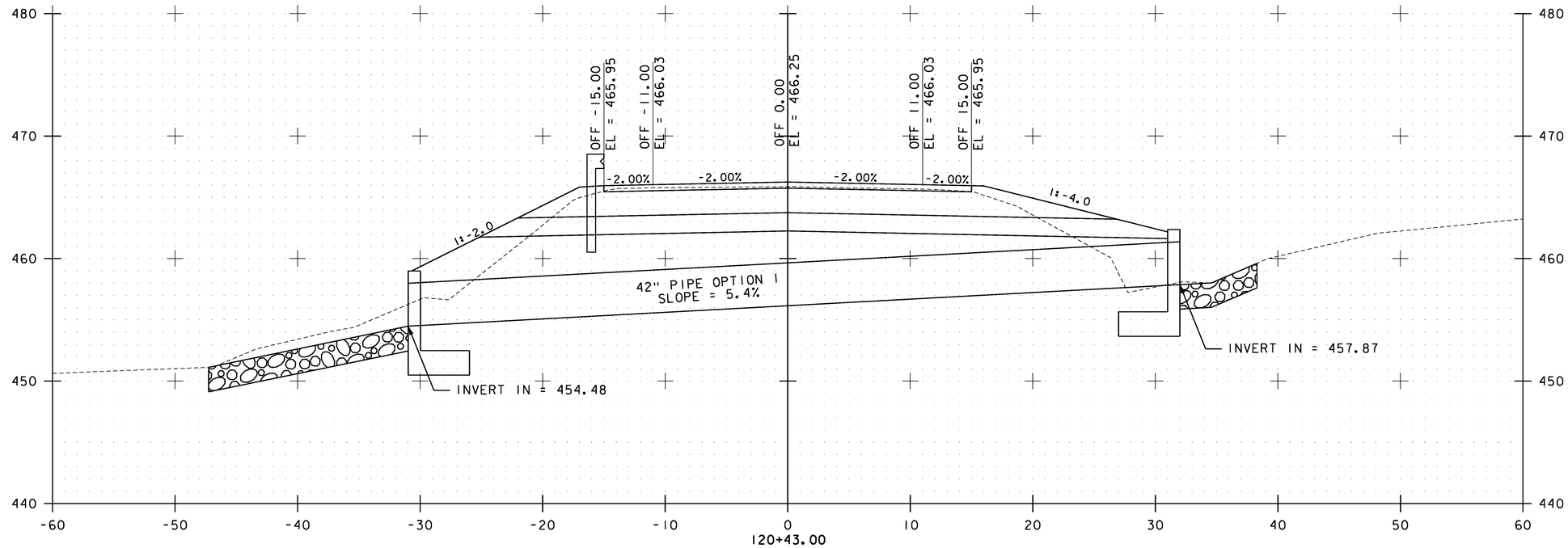
0 5 10
SCALE

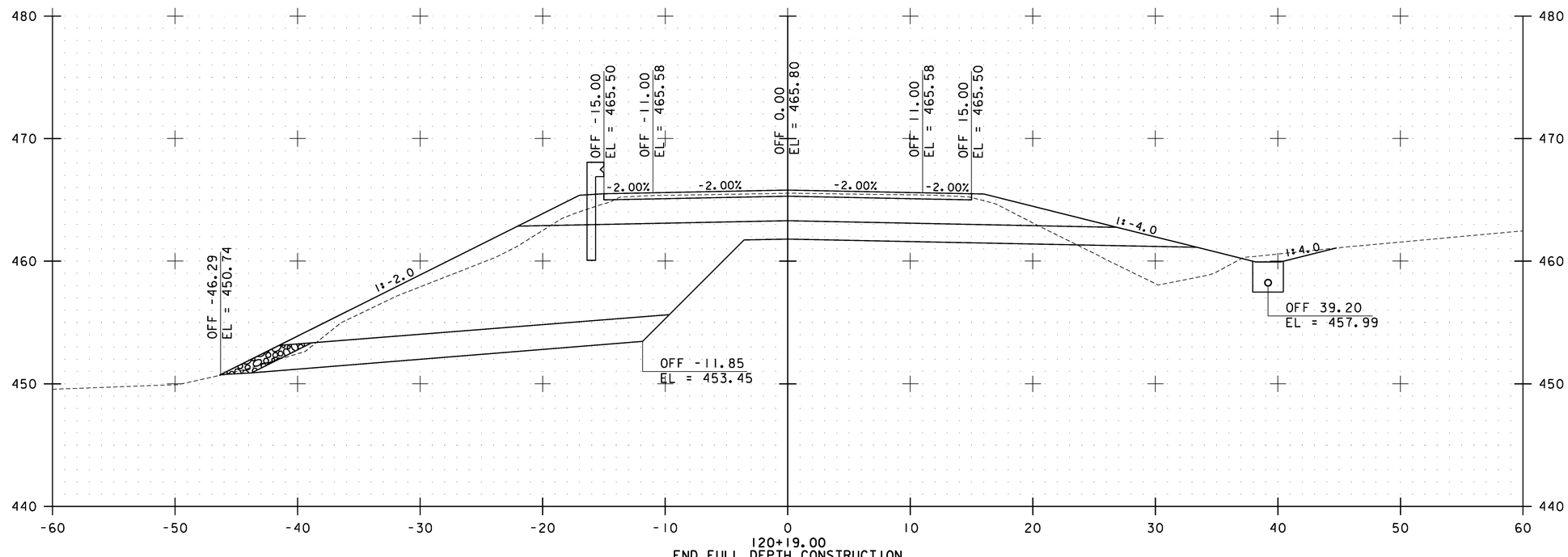
Stantec

CROSS SECTIONS SHEET 8

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_xs8.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
CROSS SECTIONS SHEET 8 SHEET 384 OF 387





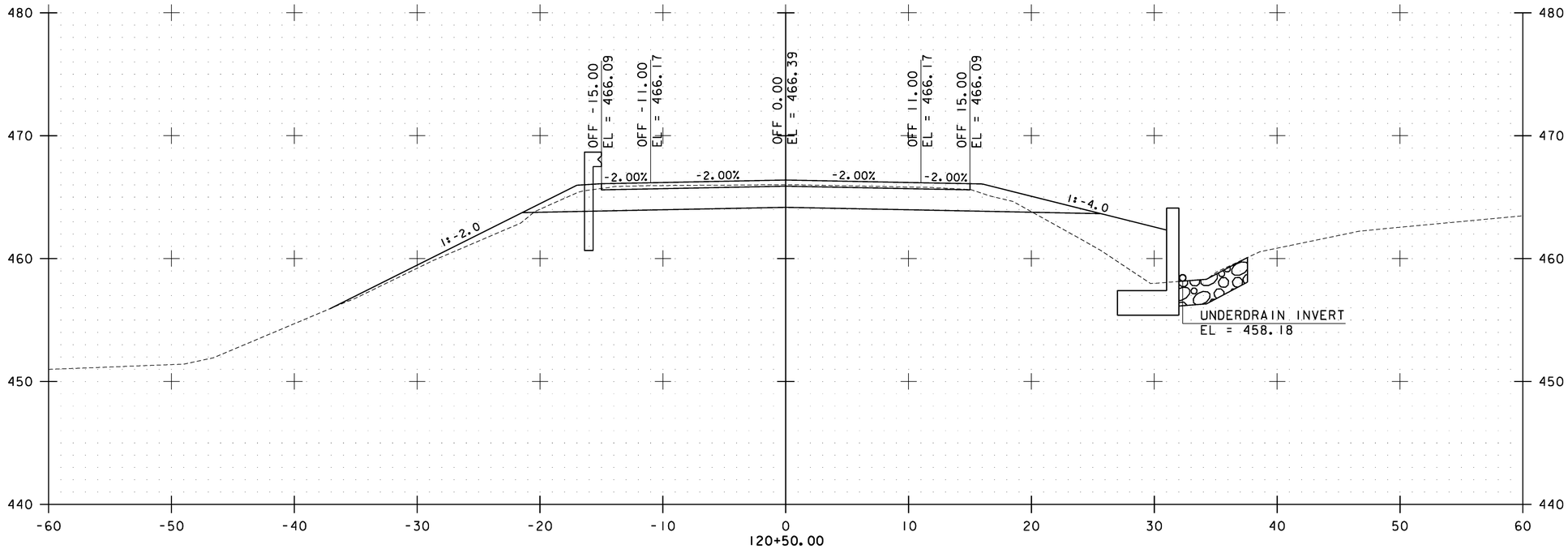
0 5 10
SCALE

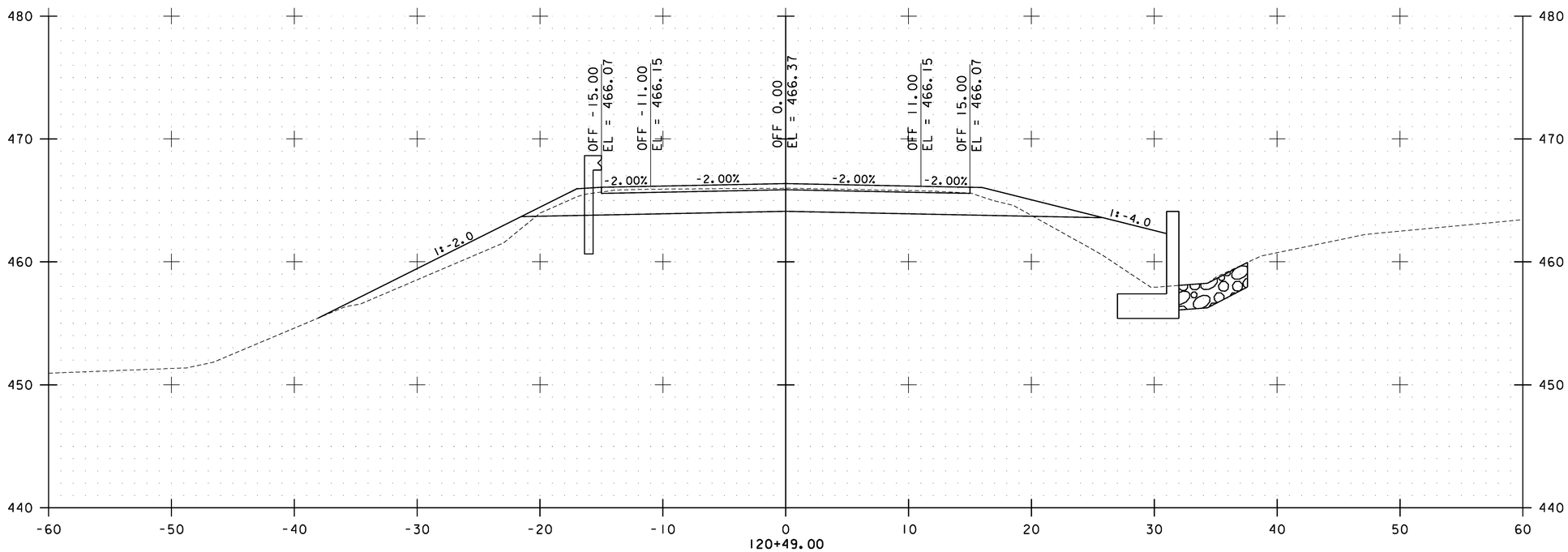
Stantec

CROSS SECTIONS SHEET 9

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_xs9.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
CROSS SECTIONS SHEET 9 SHEET 385 OF 387





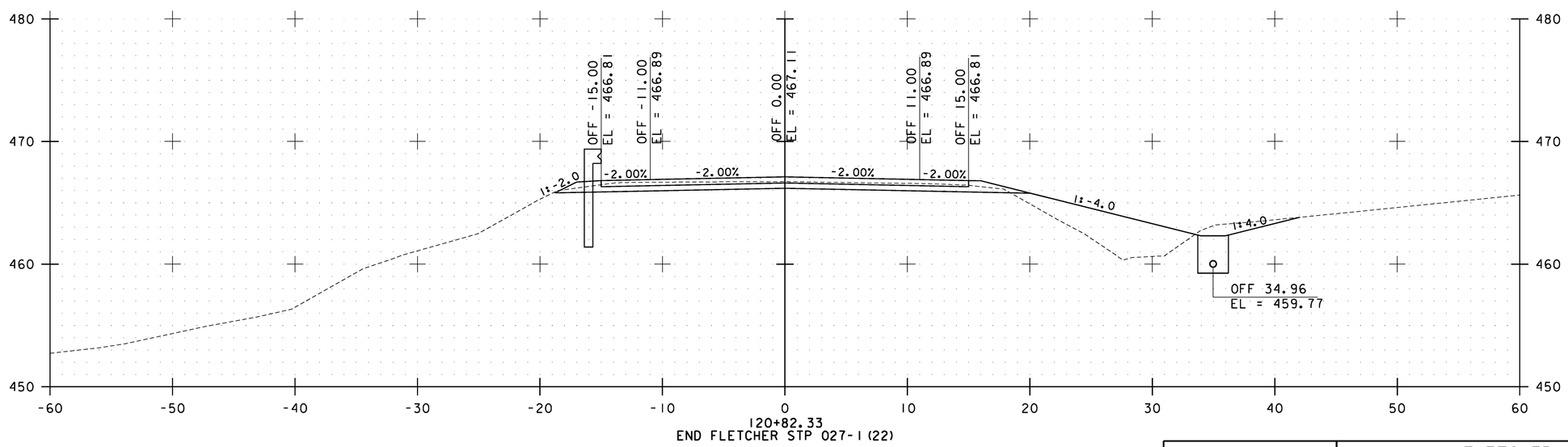
0 5 10
SCALE

Stantec

CROSS SECTIONS SHEET 10

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_xsl0.dgn PLOT DATE: 11/15/2012
PROJECT LEADER: GAE DRAWN BY: STANTEC
DESIGNED BY: ISM CHECKED BY: MCF
CROSS SECTIONS SHEET 10 SHEET 386 OF 387



0 5 10
SCALE

Stantec

CROSS SECTIONS SHEET 11

PROJECT NAME: FLETCHER
PROJECT NUMBER: STP 027-1(22)

FILE NAME: ...\plotfiles\zllb064bdr_xsll.dgn
PROJECT LEADER: GAE
DESIGNED BY: ISM
CROSS SECTIONS SHEET 11

PLOT DATE: 11/15/2012
DRAWN BY: STANTEC
CHECKED BY: MCF
SHEET 387 OF 387