

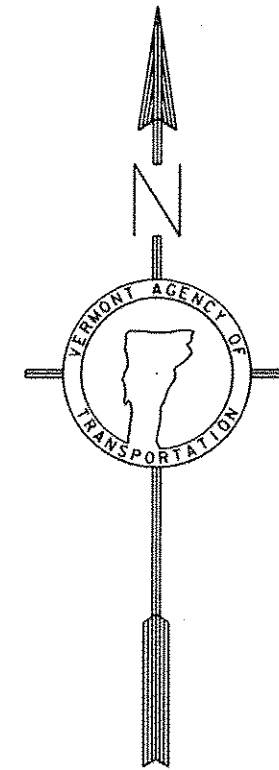
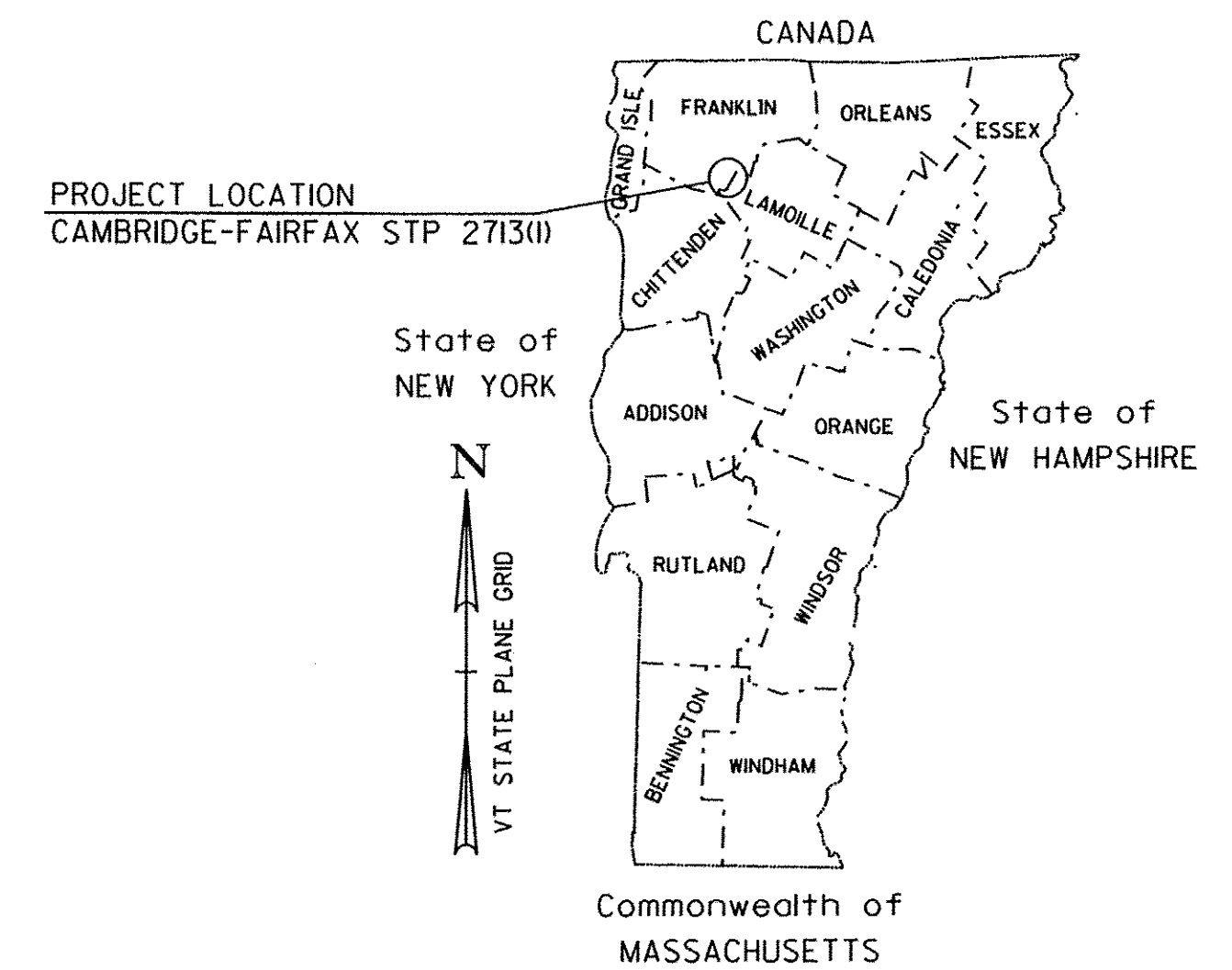
INDEX OF SHEETS
SEE SHEET 2

RECORD PLANS	
CONTRACTOR:	PIKE INDUSTRIES, INC. - BERLIN, VT
RESIDENT ENGINEER:	DELVIN WARNER
CONSTRUCTION BEGAN:	APRIL 23, 2012
CONSTRUCTION COMPLETE:	NOVEMBER 26, 2012
RECORD PLANS BY:	DELVIN WARNER & JENNA HYDE
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY <i>Delvin Warner</i>	RESIDENT ENGINEER
DATE <i>04/04/14</i>	
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.	

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT TOWNS OF CAMBRIDGE AND FAIRFAX COUNTIES OF LAMOILLE AND FRANKLIN VT ROUTE 104 MINOR ARTERIAL



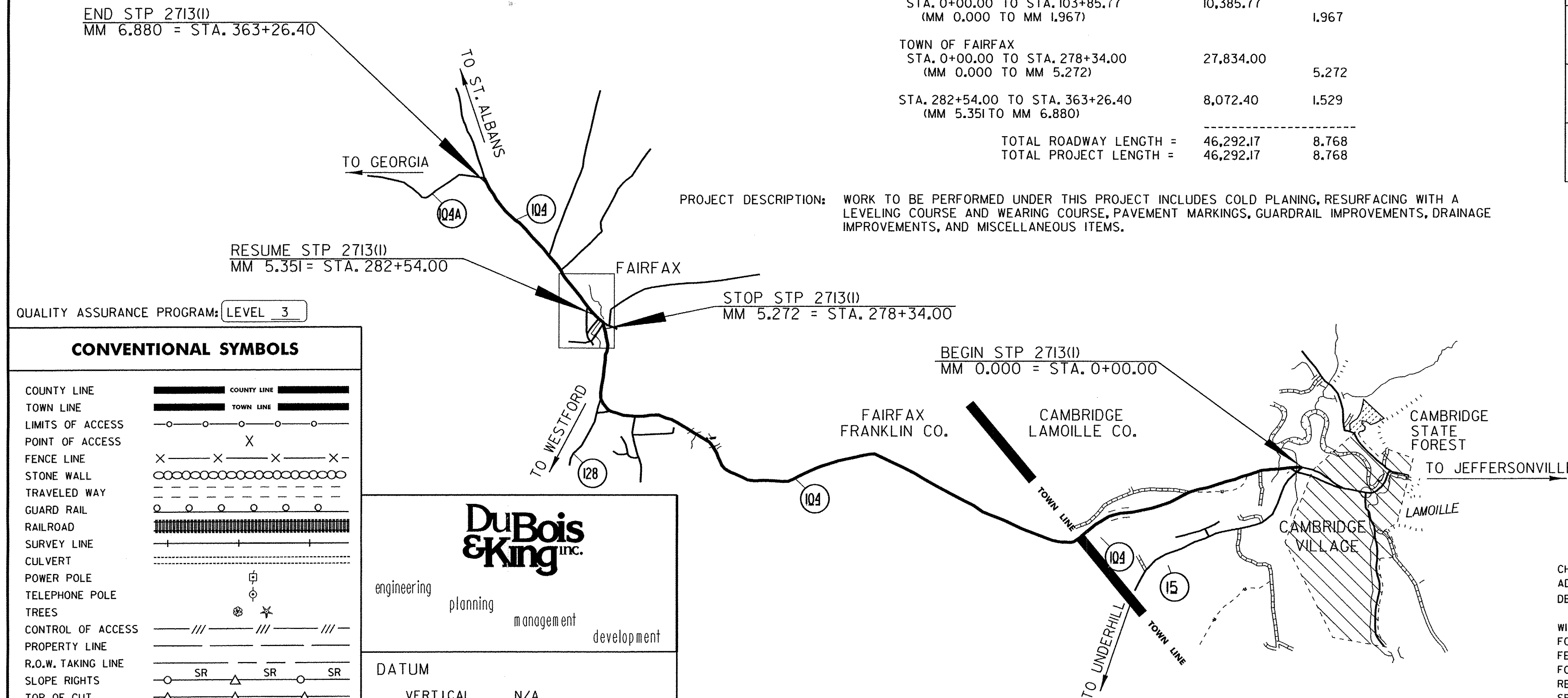
PROJECT LOCATION: BEGINNING IN THE TOWN OF CAMBRIDGE AT MILE MARKER 0.000 = STA. 0+00.00 AND EXTENDING NORTHERLY ALONG VT ROUTE 104 FOR A DISTANCE OF 38,219.77 FT (7.239 MILES) TO A STOPPING POINT IN THE TOWN OF FAIRFAX AT MILE MARKER 5.272 = STA. 278+34.00 AND RESUMING IN THE TOWN OF FAIRFAX AT MILE MARKER 5.351 = STA. 282+54.00 AND CONTINUING NORTHERLY A DISTANCE OF 8,072.40 FT (1.529 MILES) TO AN ENDING POINT AT MILE MARKER 6.880 = STA. 363+26.40.

STATION TO STATION DATA	LENGTH (FEET)	(MILES)
TOWN OF CAMBRIDGE STA. 0+00.00 TO STA. 103+85.77 (MM 0.000 TO MM 1.967)	10,385.77	1.967
TOWN OF FAIRFAX STA. 0+00.00 TO STA. 278+34.00 (MM 0.000 TO MM 5.272)	27,834.00	5.272
STA. 282+54.00 TO STA. 363+26.40 (MM 5.351 TO MM 6.880)	8,072.40	1.529
TOTAL ROADWAY LENGTH =	46,292.17	8.768
TOTAL PROJECT LENGTH =	46,292.17	8.768

TRAFFIC DATA

HIGHWAY SECTION	AADT		DHV		CUM. ESALS (2012-2022)	CUM. ESALS (2012-2032)
	2012	2022	2012	2022		
BEGIN OF PROJECT TO TOOF ROAD (MM 0.010 CAMBRIDGE - MM 2.265 FAIRFAX)	3400	3600	380	410	832,000	1,934,000
TOOF ROAD TO VT I28 APPROACH (MM 2.265 FAIRFAX - MM 4.474 FAIRFAX)	4500	4700	510	530	845,000	1,966,000
VT I28 APPROACH TO VT I28 (MM 4.474 FAIRFAX - MM 4.620 FAIRFAX)	3100	3300	350	370	976,000	2,419,000
VT I28 TO BUCK HOLLOW ROAD (MM 4.620 FAIRFAX - MM 6.020 FAIRFAX)	7200	7500	810	840	1,568,000	3,629,000
BUCK HOLLOW ROAD TO END OF PROJECT (MM 6.020 FAIRFAX - MM 6.858 FAIRFAX)	6900	7100	780	800	1,668,000	4,055,000

PROJECT DESCRIPTION: WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING, RESURFACING WITH A LEVELING COURSE AND WEARING COURSE, PAVEMENT MARKINGS, GUARDRAIL IMPROVEMENTS, DRAINAGE IMPROVEMENTS, AND MISCELLANEOUS ITEMS.



QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS	
COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
GUARD RAIL	
RAILROAD	
SURVEY LINE	
CULVERT	
POWER POLE	
TELEPHONE POLE	
TREES	
CONTROL OF ACCESS	
PROPERTY LINE	
R.O.W. TAKING LINE	
SLOPE RIGHTS	
TOP OF CUT	
TOE OF SLOPE	

DuBois & King inc.

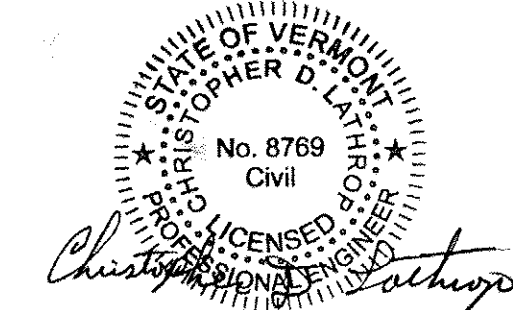
engineering planning management development

DATUM

VERTICAL N/A

HORIZONTAL N/A

BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE / DESIGN LIFE ESAL	2027500
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 GENERAL SPECIAL PROVISIONS AND SPECIAL PROVISIONS



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 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DIRECTOR OF PROGRAM DEVELOPMENT	APPROVED <i>Mike Fowler</i> DATE <i>8/22/11</i>
PROJECT MANAGER : MIKE FOWLER, P. E.	
PROJECT NAME : CAMBRIDGE-FAIRFAX	
PROJECT NUMBER : STP 2713 (I)	
SHEET 1 OF 36 SHEETS	

PLOTTED: 8/15/2011

INDEX OF SHEETS

1	TITLE SHEET
2	INDEX OF SHEETS
3-6	PROJECT TYPICAL SHEETS 1-4
7	BRIDGE DETAIL SHEET
8-9	GUARDRAIL APPROACH SECTION DETAIL SHEETS 1 & 2
10	HANDWORK DETAILS FOR DRIVES
11	CULVERT INVENTORY SHEET
12-14	QUANTITY SHEETS 1-3
15-17	ITEM DETAIL SUMMARY SHEETS 1-3
18	DITCH CLEANING DETAIL SHEET
19-34	PROJECT LAYOUT SHEETS 1-16
35	MISCELLANEOUS DETAIL SHEET
36	CONSTRUCTION APPROACH SIGNING SHEET BRIDGE JOINT ASPHALTIC PLUG - STRUCTURES DETAIL SD-516.10

VAOT STANDARDS

C-3A	SIDEWALK RAMPS	03/10/08
C-3B	SIDEWALK RAMPS AND MEDIAN ISLANDS	03/10/08
C-10	CURBING	02/11/08
D-3	TREATED GUTTERS	06/01/94
D-15	PRECAST REINFORCED CONCRETE CATCH BASIN W/ CAST IRON GRATE	06/01/94
	PRECAST REINFORCED MANHOLE W/ CAST IRON GRATE CAST IRON GRATE WITH FRAME, TYPE D CAST IRON GRATE WITH FRAME, TYPE E	
D-16	PRECAST REINFORCED CONCRETE CURB DROP INLET WITH CAST IRON GRATE CAST IRON GRATE, TYPE B CAST IRON GRATE, TYPE C UNDERDRAIN RISER REINFORCED CONCRETE PIPE END SECTION ENERGY DISSIPATOR FOR CULVERT	06/01/94
E-100	CONSTRUCTION APPROACH SIGNS	01/02/04
E-100A	SIDE ROAD CONSTRUCTION APPROACH SIGNS	01/02/04
E-101	CONSTRUCTION SIGN DETAILS	05/30/03
E-102	CONSTRUCTION SIGN DETAILS	06/30/03
E-102A	CONSTRUCTION SIGN DETAILS	05/01/04
E-103	MAINLINE TRAFFIC CONTROL DIVIDED HIGHWAY ONE LANE CLOSED	03/01/04
E-106	TRAFFIC CONTROL MISCELLANEOUS DETAILS	03/01/04
E-107	DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS	06/30/03
E-107A	BREAKAWAY BARRICADE DETAILS	06/08/09
E-108	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS	06/08/09
E-108A	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS FOR PAVING	06/08/09
E-110	MAJOR MAINTENANCE OPERATION LANE CLOSURE	08/08/95
E-111	MINOR MAINTENANCE OPERATION	03/11/97
E-112	TRAFFIC CONTROL FOR TYPICAL MOVING MAINTENANCE OPERATIONS	01/23/97
E-191	PAVEMENT MARKING DETAILS	02/01/99
E-192	PAVEMENT MARKING DETAILS	10/12/00
E-193	PAVEMENT MARKING DETAILS	08/18/95
E-197	DELINEATOR PLACEMENT TYPICAL	04/01/05
G-1	STEEL BEAM GUARDRAIL WITH STEEL POSTS STEEL BEAM GUARDRAIL WITH WOOD POSTS	01/03/00
G-1D	STEEL BEAM GUARDRAIL APPROACH END TERMINAL STEEL BEAM GUARDRAIL TRAILING END TERMINAL ANCHOR FOR STEEL BEAM GUARDRAIL STEEL BEAM MEDIAN BARRIER	01/03/00
G-19	GENERIC PLANS FOR GUARDRAIL END TERMINALS	11/15/02

**INDEX
OF
SHEETS**

PROJECT NAME: CAMBRIDGE-FAIRFAX

PROJECT NUMBER: STP 2713(1)

FILE NAME: p07B182.dgn

PROJECT LEADER: CDL

DESIGNED BY: SJL

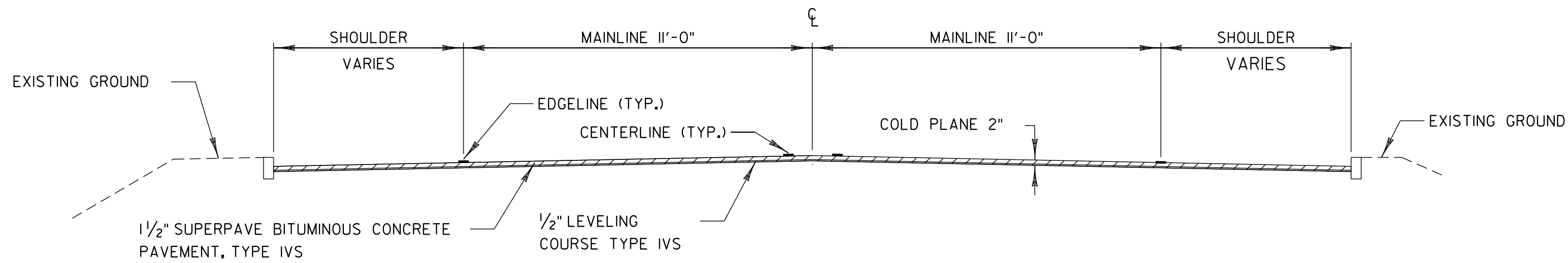
PLOT FILE: p07B182_2.i

PLOT DATE: 29-DEC-2014 13:45

DRAWN BY: SJL

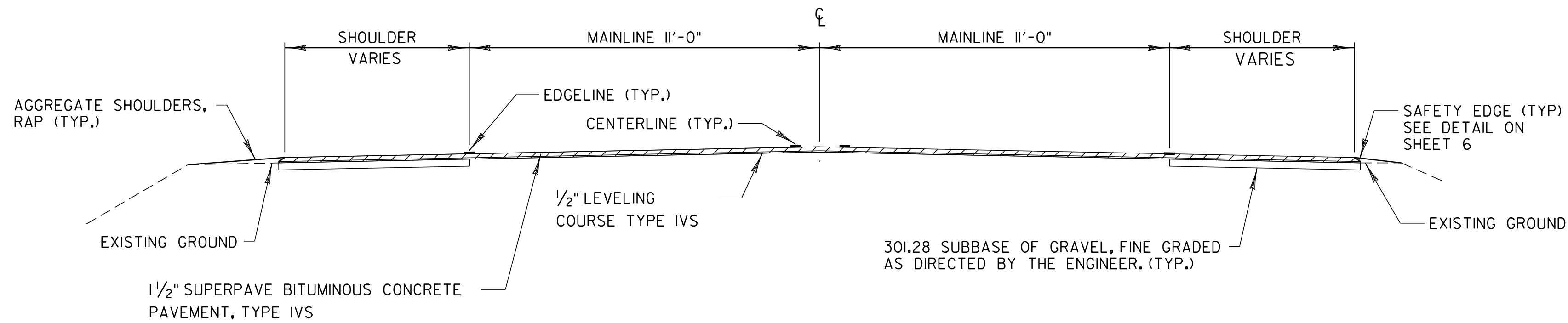
CHECKED BY: EPD

SHEET 2 OF 36



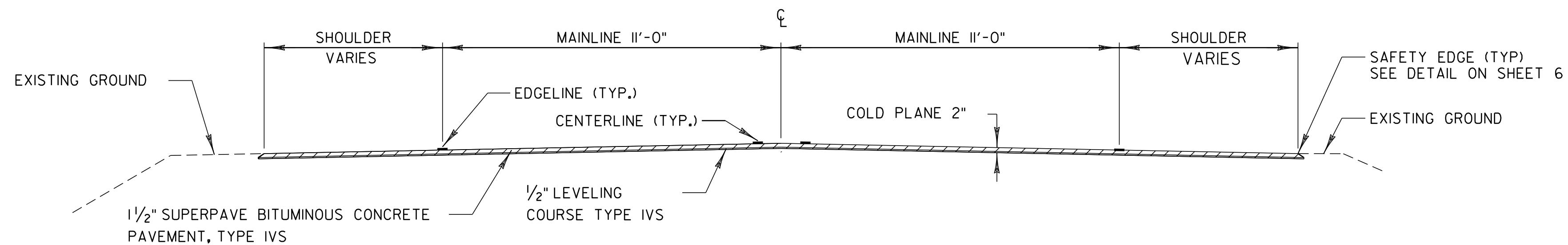
COLD PLANE AND OVERLAY TYPICAL SECTION

FAIRFAX
 STA. 271+09.20 - STA. 278+34.00
 STA. 282+54.00 - STA. 292+25.00



LEVEL AND OVERLAY TYPICAL SECTION

CAMBRIDGE
 STA. 0+00.00 - STA. 103+85.77
 FAIRFAX
 STA. 0+00.00 - STA. 30+86.00
 STA. 32+31.00 - STA. 267+43.20
 STA. 327+36.00 - STA. 363+26.40



COLD PLANE AND OVERLAY TYPICAL SECTION

FAIRFAX
 STA. 30+86.00 - STA. 32+31.00
 STA. 292+25.00 - STA. 327+36.00

NOTES:

1. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT WHERE REQUIRED OR AS DIRECTED BY THE RESIDENT ENGINEER. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE AS SPECIFIED IN SECTION 490 OF THE GENERAL SPECIAL PROVISIONS.
2. COLD PLANED SURFACES SHALL HAVE SURFACE PREP BEFORE THE LEVELING COURSE IS PLACED. SURFACE PREP SHALL CONSIST OF POT HOLE PATCHING AND PATCHING OF ALL LARGE CRACKS THAT ARE AT LEAST 1" IN WIDTH. REFER TO SHEET 35 FOR POT HOLE REPAIR DETAIL. PAYMENT WILL BE UNDER ITEM 900.680 "SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE II)". COLD PLANED SURFACES SHALL HAVE A TACK COAT APPLICATION RATE OF 0.08 GAL/SQ. YD. OF CRS-IH OR RS-IH. TACK COAT APPLICATION RATE ON ALL OTHER PAVED SURFACES SHALL BE 0.025 TO 0.040 GAL/SQ. YD. OF CRS-IH OR RS-IH. PAYMENT WILL BE UNDER ITEM 900.683 "SPECIAL PROVISION (EMULSIFIED ASPHALT/CRS-IH OR CRS-IH)".
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 INCH (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
4. COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICAL OR AS OTHERWISE NOTED ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE BEGINNING AND END OF THE PROJECT AND ALL SIDE ROAD APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. SAWCUTTING WILL NOT BE PAID FOR SEPARATELY. IT SHALL BE CONSIDERED INCIDENTAL TO ITEM 210.10 "COLD PLANING, BITUMINOUS PAVEMENT".
5. ALL PAVED AND GRAVEL DRIVES SHALL RECEIVE A PAVED APRON OF 4' AND ALL FIELD DRIVES SHALL RECEIVE A 2' PAVED APRON UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT 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)". REFER TO SHEET 10 FOR DETAIL AND ADDITIONAL NOTES.
6. 3'-7" OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6 FOOT POSTS. IF THIS CAN NOT BE OBTAINED THEN 8 FOOT POSTS SHALL BE USED. PAYMENT WILL BE UNDER ITEM 621.20 "STEEL BEAM GUARDRAIL, GALVANIZED" AND ITEM 621.205 "STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS".
7. QUANTITIES FOR ITEM 604.412, "REHAB DI, CB OR MH CLASS I" AND ITEM 604.415, "REHAB DI, CB OR MH CLASS II", HAVE BEEN INCLUDED IN THE QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN. DRAINAGE STRUCTURES CALLING FOR REHAB HAVE BEEN DISTRIBUTED BETWEEN ITEMS 604.412, AND 604.415 AS FOLLOWS: 80% 604.412, 20% 604.415, FOR ESTIMATING PURPOSES.
8. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE ENGINEER. EXCAVATION SHALL BE PAID FOR USING THE APPROPRIATE RENTAL ITEMS. MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.28 "SUBBASE OF CRUSHED GRAVEL, FINE GRADED". EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE DONE BEFORE THE LEVELING COURSE IS PAVED. SEE THE PAVING PROJECT LIMITS TABLE ON SHEET 4 FOR THE PROPOSED PAVEMENT WIDTHS.
9. ALL EDGES OF PAVEMENT WITHIN THE LEVEL AND OVERLAY SECTION SHALL BE BACKED UP TO FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.13 "AGGREGATE SHOULDERS, RAP".
10. ESTIMATED QUANTITIES OF ITEM 608.25, "ALL PURPOSE EXCAVATOR RENTAL, TYPE I", 608.37, "TRUCK RENTAL", AND 608.40, "LOADER RENTAL, TYPE I" HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTIONS WITH EXCAVATED DITCHING MATERIAL AND THE REMOVAL OF BUILT UP EXCESS SHOULDER MATERIAL. 25 CY OF ITEM 203.30, "EARTH BORROW" HAS BEEN ESTIMATED FOR EACH NEW MTS. GUARDRAIL END SECTIONS SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF ITEM 651.35, "TOPSOIL" UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 CY OF ITEM 651.35, "TOPSOIL" FOR EACH NEW GUARDRAIL END SECTION. ITEM 653.20, "TEMPORARY EROSION MATTING" SHALL BE PLACED ON SLOPES GREATER THAN 1:6 CREATED BY THE GUARDRAIL END SECTIONS. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20, "TEMPORARY EROSION MATTING" FOR EACH NEW GUARDRAIL END SECTION. PRIOR TO THE PLACEMENT OF TEMPORARY EROSION MATTING, THE AREA SHALL BE TOPSOILED AND SEEDING USING ITEM 651.35, "TOPSOIL" AND ITEM 651.15, "SEED".
11. AN ESTIMATED QUANTITY FOR ITEM 619.17 "YIELDING MARKER POSTS" HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE THE PAVEMENT SURFACES OR AS DIRECTED BY THE RESIDENT ENGINEER.
12. STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
13. IN AREAS WHERE A UTILITY POLE OR SIMILAR OBJECT IS LOCATED WITHIN 4 FEET BEHIND GUARDRAIL, A REDUCED POST SPACING SHALL BE USED. THE REDUCED SPACING IS DETAILED ON SHEET 6.

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			

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

**PROJECT
 TYPICAL
 SHEET 1**

PROJECT NAME: CAMBRIDGE-FAIRFAX

PROJECT NUMBER: STP 2713(I)

FILE NAME: p07B182.dgn

PROJECT LEADER: CDL

DESIGNED BY: CDL

PLOT FILE: p07B182_3.i

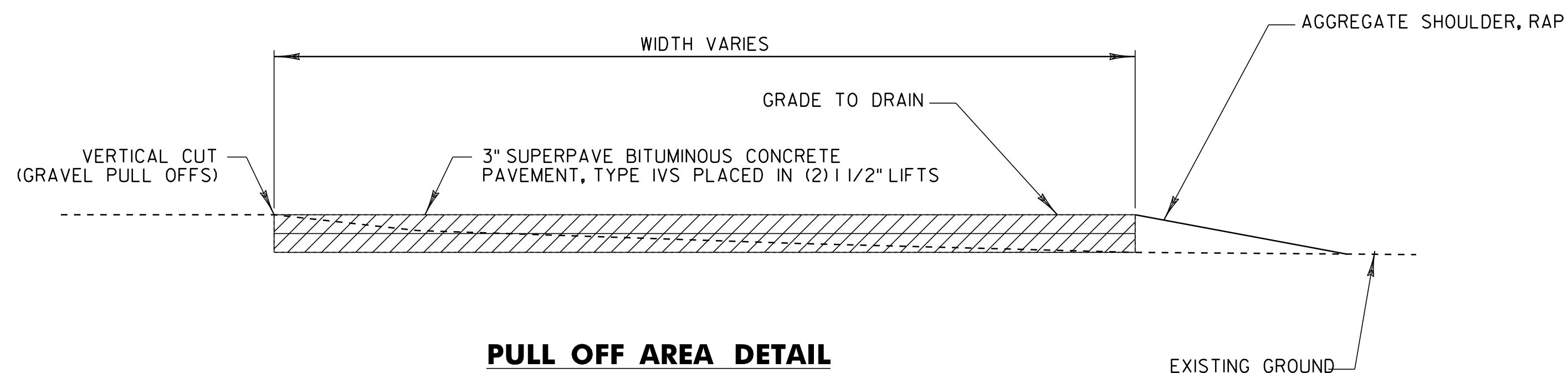
PLOT DATE: 29-DEC-2014 13:45

DRAWN BY: SJL

CHECKED BY: EPD

SHEET 3 OF 36

NOT TO SCALE

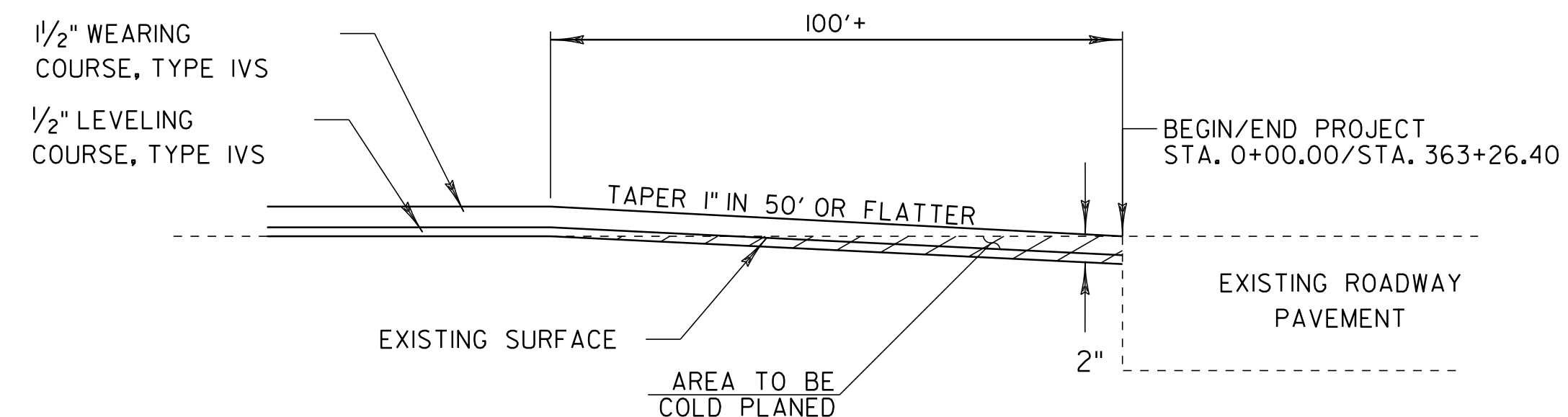


PULL OFF AREA DETAIL

CAMBRIDGE
STA. 37+00 RT
STA. 94+25 RT

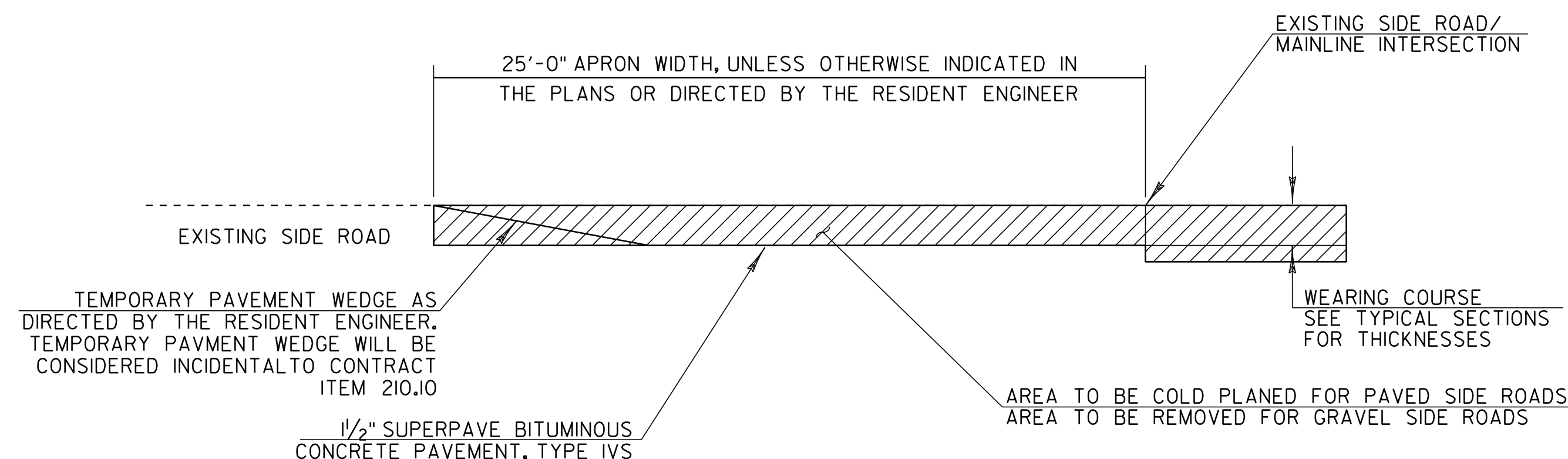
FAIRFAX
STA. 94+75 RT
STA. 147+25 RT

NOTE: ANY EXCAVATION REQUIRED IN THE PULLOFF AREAS PRIOR TO PAVING SHALL BE PAID FOR UNDER THE APPROPRIATE RENTAL ITEMS.



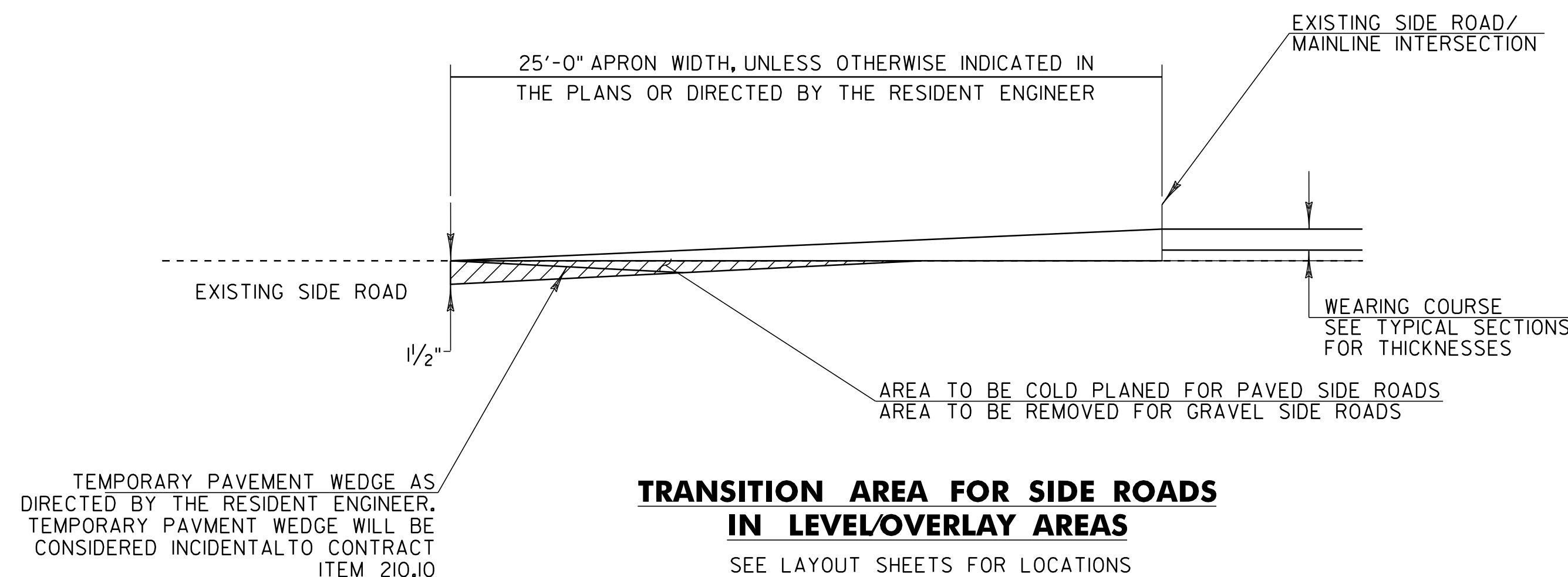
APPROACH AREA DETAIL (BEGIN/END PROJECT)

CAMBRIDGE
STA. 0+00.00
FAIRFAX
STA. 363+26.40



TRANSITION AREA FOR SIDE ROADS IN MILL/FILL AREAS

SEE LAYOUT SHEETS FOR LOCATIONS OF ALL SIDE ROADS



TRANSITION AREA FOR SIDE ROADS IN LEVEL/OVERLAY AREAS

SEE LAYOUT SHEETS FOR LOCATIONS OF ALL SIDE ROADS

PROJECT PAVING LIMITS

TOWN AND ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING TON	NOTES
CAMBRIDGE	0+00.00	103+85.77	4' - 11' - 11' - 4'	1 1/2"	1009.4	LEVEL, 1 1/2" TYPE IVS
FAIRFAX	0+00.00	30+86.00	4' - 11' - 11' - 4'	1 1/2"	299.9	LEVEL, 1 1/2" TYPE IVS
	30+86.00	32+31.00	4' - 11' - 11' - 4'	1 1/4"	-	COLD PLANE 1 1/4", 1 1/4" TYPE IVS (BRIDGE #3)
	32+31.00	184+00.00	4' - 11' - 11' - 4'	1 1/2"	1474.2	LEVEL, 1 1/2" TYPE IVS
	184+00.00	187+50.00	4' - 11' - 11' - 8'	1 1/2"	38.6	LEVEL, 1 1/2" TYPE IVS
	187+50.00	189+00.00	4' - 11' - 11' - VARIES	1 1/2"	15.6	LEVEL, 1 1/2" TYPE IVS
	189+00.00	248+03.00	4' - 11' - 11' - 4'	1 1/2"	573.7	LEVEL, 1 1/2" TYPE IVS
	248+03.00	255+75.00	3' - 11' - 11' - 3'	1 1/2"	70.0	LEVEL, 1 1/2" TYPE IVS
	255+75.00	262+50.00	4' - 11' - 11' - 4'	1 1/2"	65.6	LEVEL, 1 1/2" TYPE IVS
	262+50.00	267+43.20	6' - 11' - 11' - 6'	1 1/2"	54.3	LEVEL, 1 1/2" TYPE IVS
	267+43.20	269+20.00	6' - 11' - 11' - 6'	1 1/2"	19.5	COLD PLANE 2", LEVEL, 1 1/2" TYPE IVS
	269+20.00	271+09.20	6' - 11' - 11' - 6'	1 1/4"	-	COLD PLANE 1 1/4", 1 1/4" TYPE IVS (BRIDGE #9)
	271+09.20	278+34.00	6' - 11' - 11' - 6'	1 1/2"	84.9	COLD PLANE 2", LEVEL, 1 1/2" TYPE IVS
	282+54.00	289+25.00	8' - 11' - 11' - 3'	1 1/2"	71.7	COLD PLANE 2", LEVEL, 1 1/2" TYPE IVS
	289+25.00	327+00.00	4' - 11' - 11' - 4'	1 1/2"	366.9	COLD PLANE 2", LEVEL, 1 1/2" TYPE IVS
	327+00.00	327+36.00	VARIES - 11' - 11' - VARIES	1 1/2"	3.4	COLD PLANE 2", LEVEL, 1 1/2" TYPE IVS
	327+36.00	328+00.00	VARIES - 11' - 11' - VARIES	1 1/2"	6.0	LEVEL, 1 1/2" TYPE IVS
	328+00.00	363+26.40	3' - 11' - 11' - 3'	1 1/2"	319.9	LEVEL, 1 1/2" TYPE IVS

NOT TO SCALE

PROJECT TYPICAL SHEET 2

PROJECT NAME: CAMBRIDGE-FAIRFAX

PROJECT NUMBER: STP 2713(I)

FILE NAME: p07B182.dgn

PROJECT LEADER: CDL

DESIGNED BY: CDL

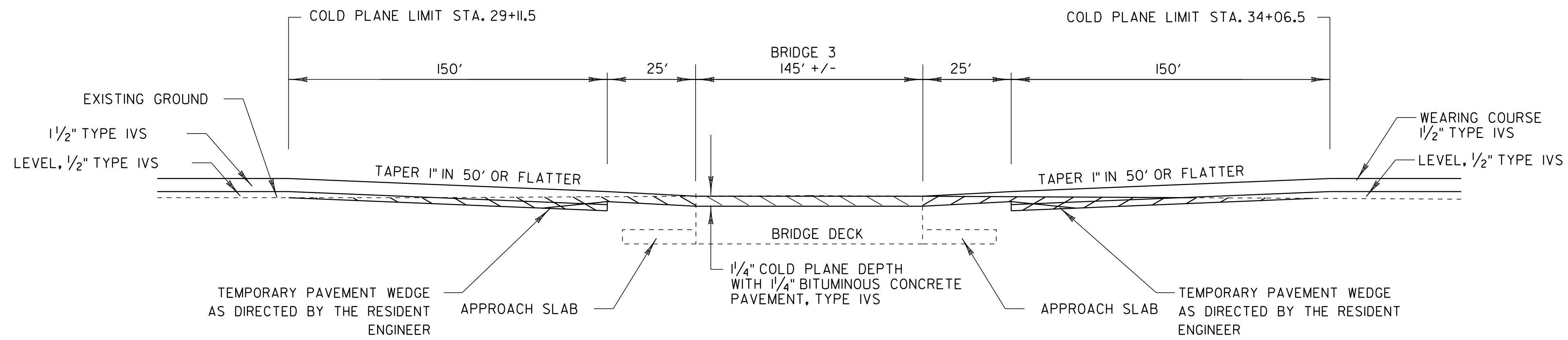
PLOT FILE: p07B182_4.i

PLOT DATE: 29-DEC-2014 13:45

DRAWN BY: SJL

CHECKED BY: EPD

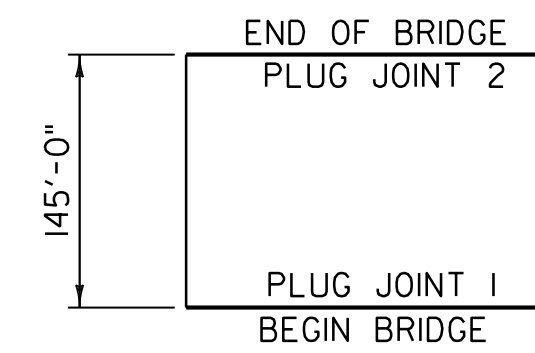
SHEET 4 OF 36



FAIRFAX BRIDGE #3

FAIRFAX
STA. 31+59

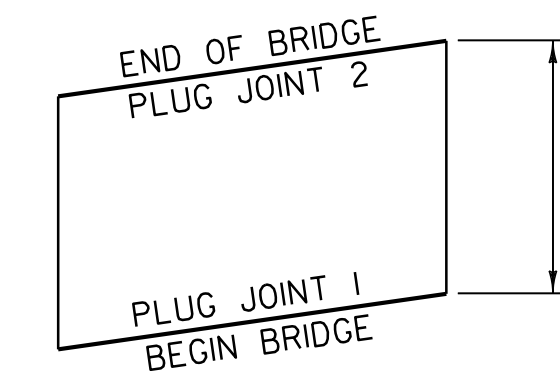
NOTE: CONTRACTOR TO VERIFY ASPHALT DEPTHS ON BRIDGE DECK PRIOR TO COLD PLANING. THIS SHALL BE CONSIDERED INCIDENTAL TO ITEM 210.10 "COLD PLANING BITUMINOUS PAVEMENT". ANY DAMAGE TO THE BRIDGE DECK OR MEMBRANE WILL BE REPAIRED AS DIRECTED BY THE RESIDENT ENGINEER AT THE CONTRACTOR'S EXPENSE.



JOINT	STATION	LENGTH
1	30+86	30' - 0"
2	32+31	30' - 0"
BRIDGE #3		60' - 0"

TOTAL LENGTH OF JOINT

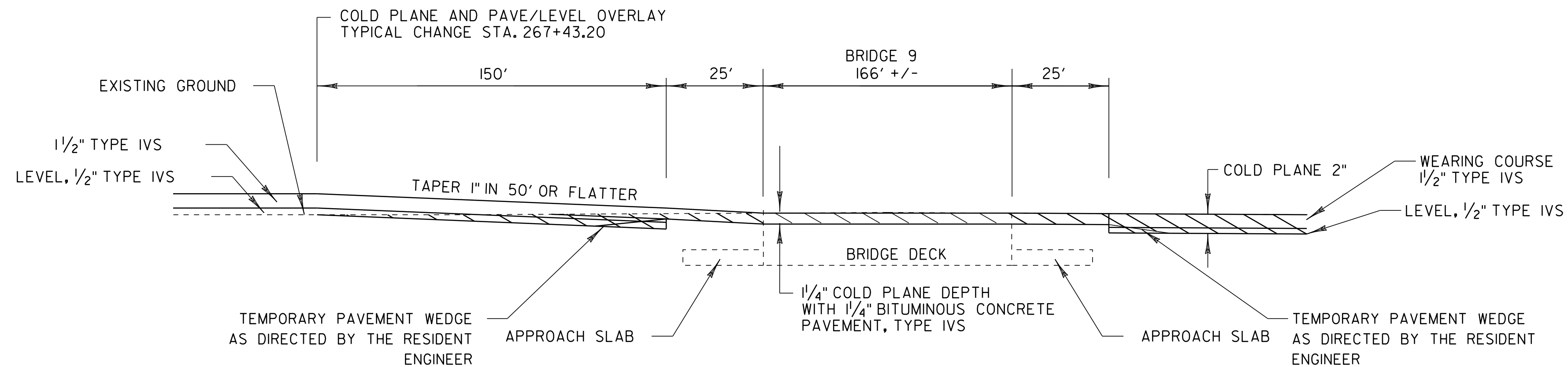
**FAIRFAX BRIDGE #3
STA. 31+59 (MM 0.598)
COLD PLANE AND PAVE**



JOINT	STATION	LENGTH
1	269+20	33' - 0"
2	270+86	33' - 0"
BRIDGE #9		66' - 0"

TOTAL LENGTH OF JOINT

**FAIRFAX BRIDGE #9
STA. 270+03 (MM 5.114)
COLD PLANE AND PAVE**



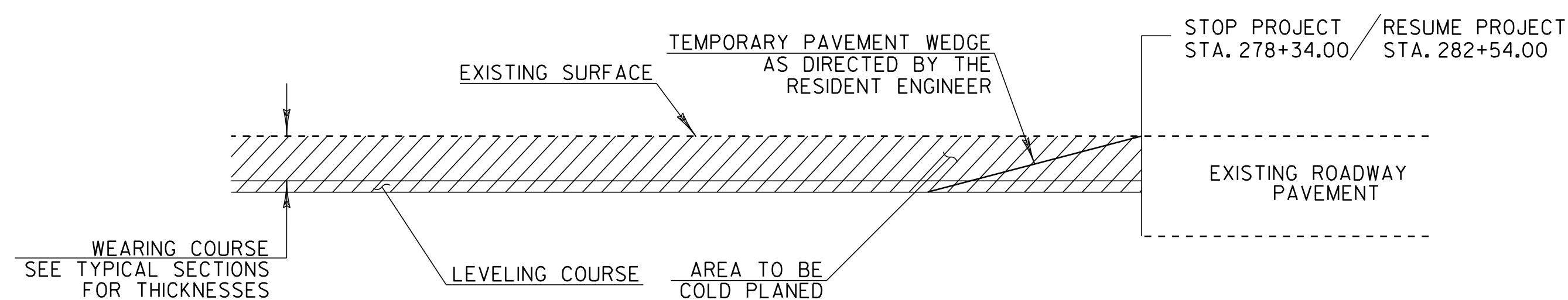
FAIRFAX BRIDGE #9

FAIRFAX
STA. 270+03

NOTE: CONTRACTOR TO VERIFY ASPHALT DEPTHS ON BRIDGE DECK PRIOR TO COLD PLANING. THIS SHALL BE CONSIDERED INCIDENTAL TO ITEM 210.10 "COLD PLANING BITUMINOUS PAVEMENT". ANY DAMAGE TO THE BRIDGE DECK WILL BE REPAIRED AS DIRECTED BY THE RESIDENT ENGINEER AT THE CONTRACTOR'S EXPENSE.

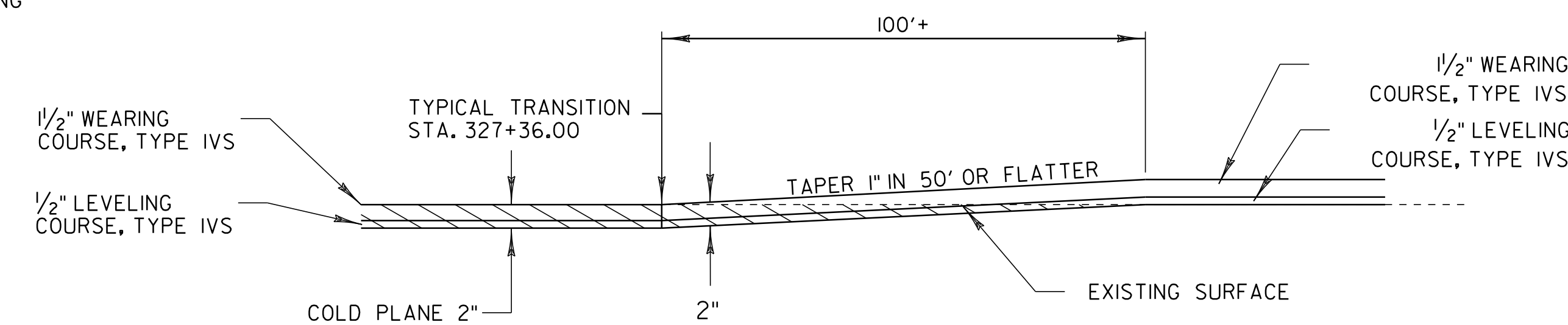
BRIDGE #	516.10 BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	580.20 RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE
	LF	CF
FAIRFAX 3	60	50
FAIRFAX 9	66	50
SUBTOTAL	126	100
ROUNDING	4	-
TOTAL	130	100

NOTE: REFER TO BRIDGE JOINT ASPHALTIC PLUG - STRUCTURES DETAIL SD-516.10



APPROACH AREA DETAIL

FAIRFAX
STA. 278+34.00
STA. 282+54.00



TYPICAL TRANSITION DETAIL

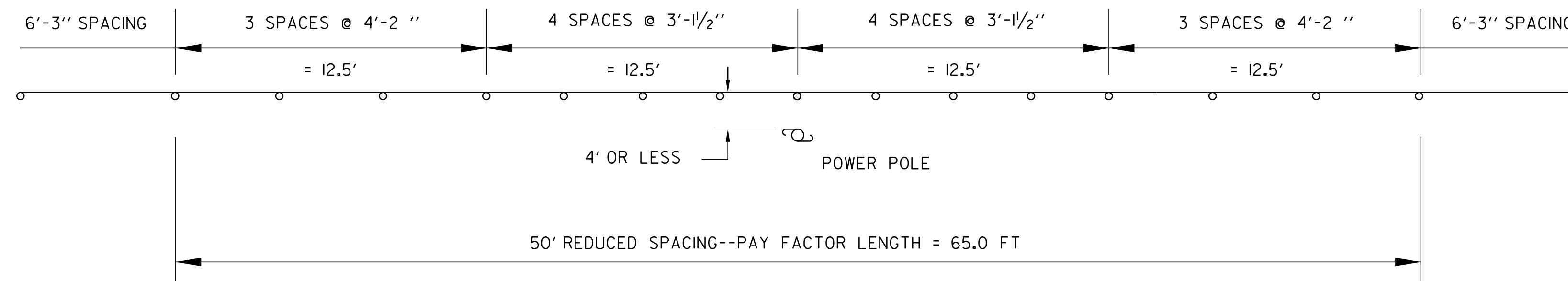
FAIRFAX
STA. 327+36.00

NOT TO SCALE

**PROJECT
TYPICAL
SHEET 3**

PROJECT NAME: CAMBRIDGE-FAIRFAX
PROJECT NUMBER: STP 2713(I)

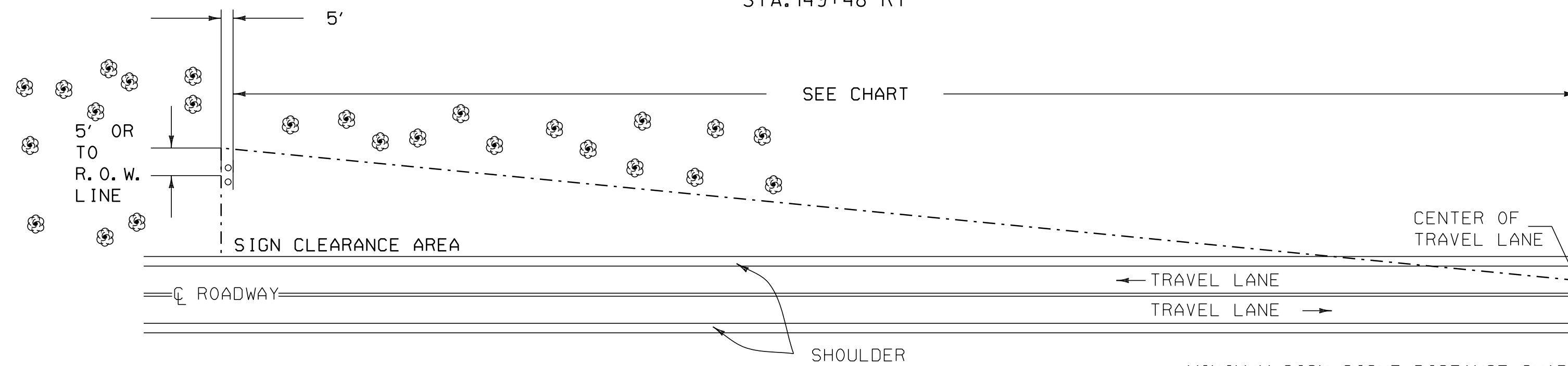
FILE NAME: p07B182.dgn
PROJECT LEADER: CDL
DESIGNED BY: CDL
PLOT FILE: p07B182.5.i
PLOT DATE: 29-DEC-2014 13:45
DRAWN BY: SJL
CHECKED BY: EPD
SHEET 5 OF 36



REDUCED SPACING GUARDRAIL DETAIL

OBJECTS WITHIN 4' OF GUARDRAIL

FAIRFAX
 STA. 81+68 RT
 STA. 93+25 RT
 STA. 96+05 RT
 STA. 149+48 RT



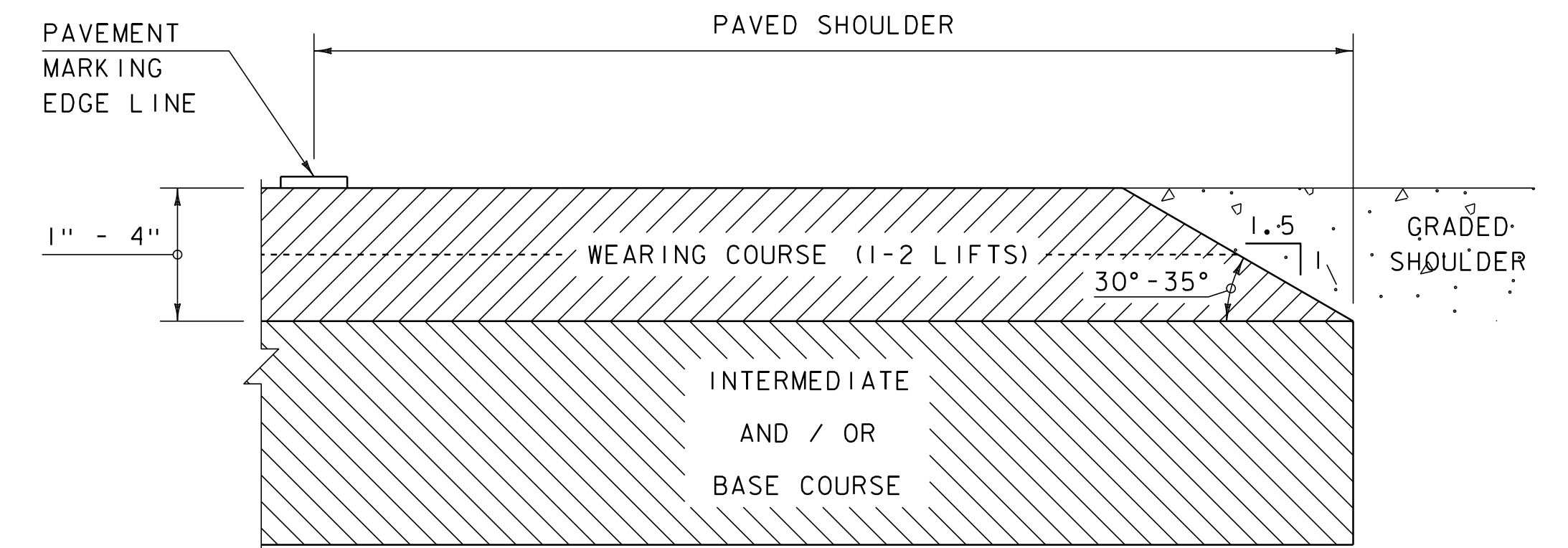
THE CONTRACTOR SHALL REMOVE ALL WOODY STEMMED GROWTH INCLUDING BRUSH, SAPLINGS AND TREE LIMBS GROWING WITHIN OR PROJECTING INTO THE CLEARANCE AREA AND DOWN TO GROUND LEVEL OR AT LEAST 10 FT BELOW THE BOTTOM OF THE SIGN. PAYMENT WILL BE MADE UNDER ITEM 201.31 THINNING AND TRIMMING FOR SIGNS. NO CHEMICALS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

THINNING AND TRIMMING FOR SIGNS DETAIL

FAIRFAX
 STA. 8+00 RT

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



SAFETY EDGE DETAIL

NOT TO SCALE

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

NOT TO SCALE

**PROJECT
 TYPICAL
 SHEET 4**

PROJECT NAME: CAMBRIDGE-FAIRFAX

PROJECT NUMBER: STP 2713(I)

FILE NAME: p07B182.dgn

PROJECT LEADER: CDL

DESIGNED BY: CDL

PLOT FILE: p07B182_6.i

PLOT DATE: 29-DEC-2014 13:45

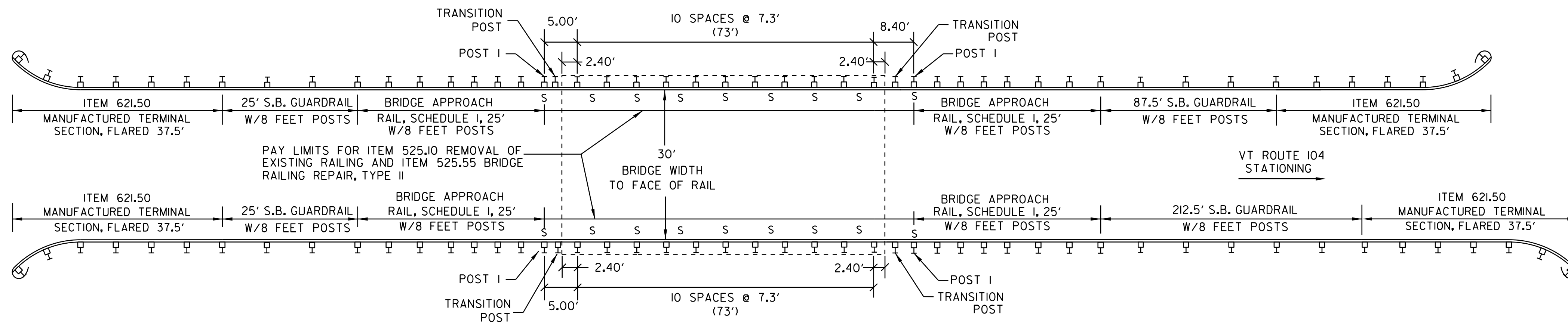
DRAWN BY: SJL

CHECKED BY: EPD

SHEET 6 OF 36

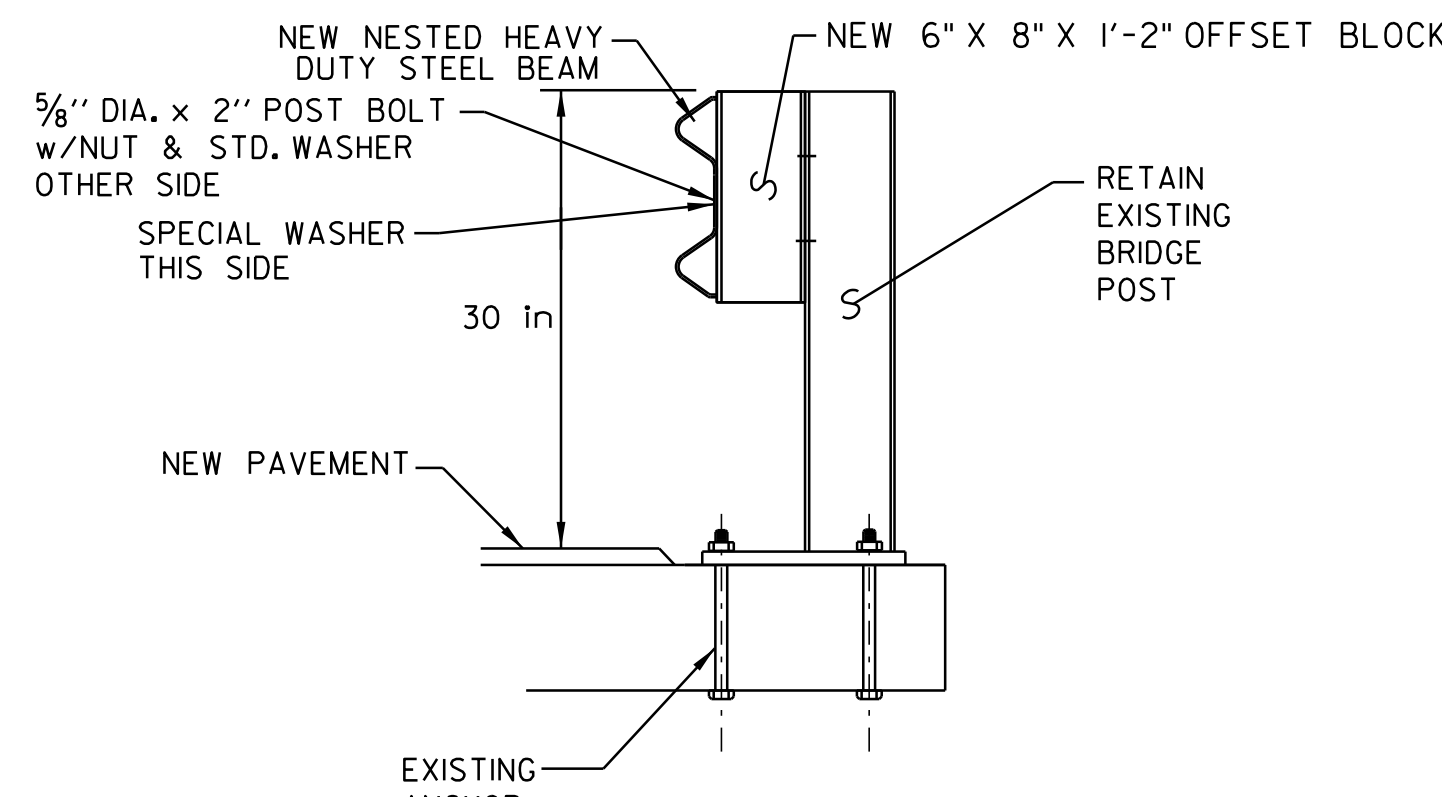
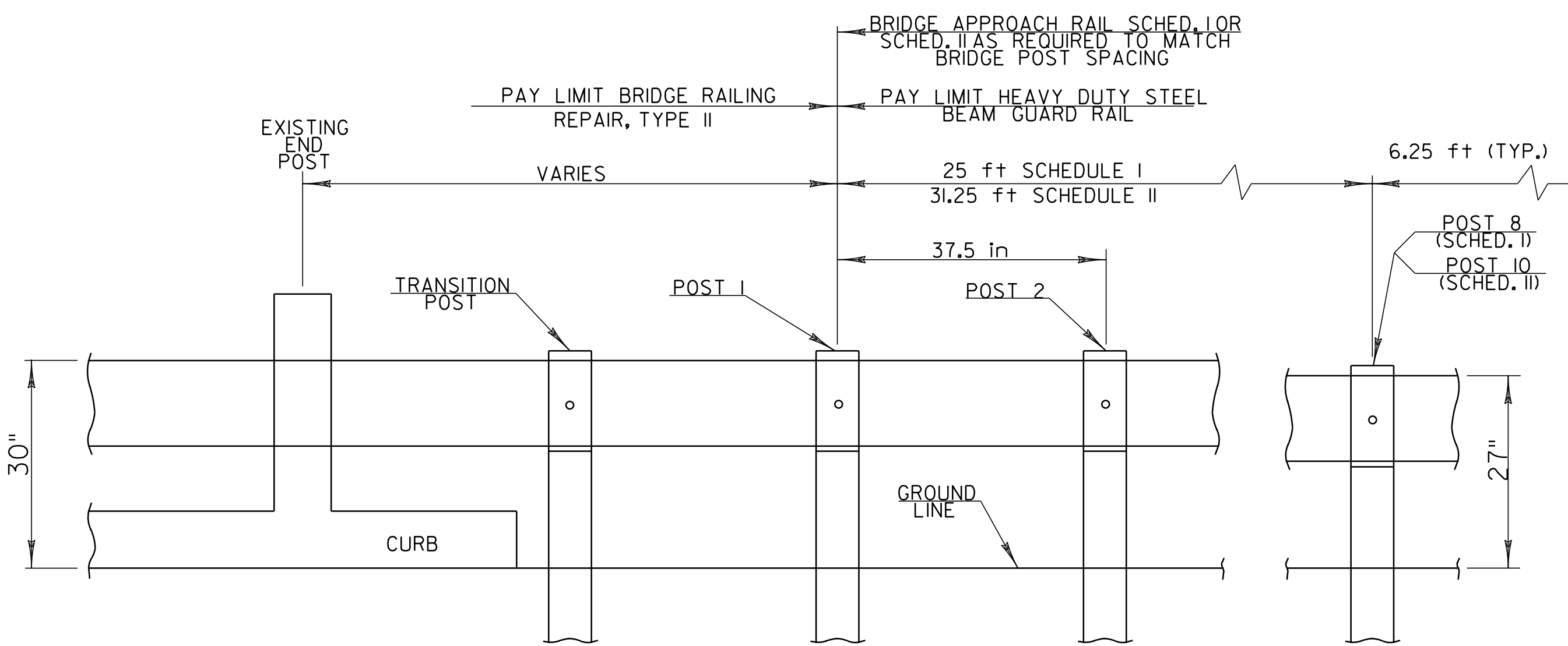
BRIDGE APPROACH RAILING

WHEN A RAIL PANEL SPLICE OCCURS AT POST NO. 1 USE SCHEDULE I FOR APPROACH RAILING. WHEN A RAIL PANEL SPLICE OCCURS AT BRIDGE END POST USE SCHEDULE II FOR APPROACH RAILING.



SCHEDULE I		
POST NO.	SPACING	PAYMENT FACTOR
1	3'-1/2"	1.4 x 12.5 ft
2	3'-1/2"	
3	3'-1/2"	
4	3'-1/2"	1.2 x 12.5 ft
5	4'-2"	
6	4'-2"	
7	4'-2"	1.0 (TYP.)
8	4'-2"	
9	6'-3" (TYP.)	

**FAIRFAX BRIDGE #3
STA. 31+59 - MM 0.598**



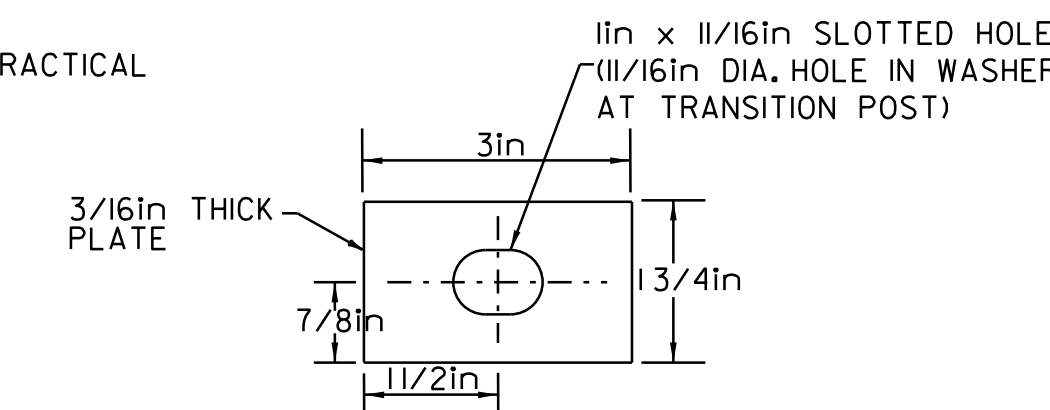
NOTES:

- BRIDGE RAIL SHALL BE NESTED HEAVY DUTY STEEL BEAM RAIL, ITEM 525.55 "BRIDGE RAILING REPAIR, TYPE II".
- BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 25 FEET.
- APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR LENGTHS OF 25 FEET OR 31.25 FEET DETERMINED BY THE SCHEDULE. SEE BRIDGE DETAILS.
- FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICAL TO THE MID-POINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST 1.
- SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.

SCHEDULE II		
POST NO.	SPACING	PAYMENT FACTOR
1	3'-1/2"	1.4 x 18.75 ft
2	3'-1/2"	
3	3'-1/2"	
4	3'-1/2"	1.2 x 12.5 ft
5	3'-1/2"	
6	4'-2"	
7	4'-2"	1.0 (TYP.)
8	4'-2"	
9	4'-2"	
10	6'-3" (TYP.)	
11	6'-3" (TYP.)	

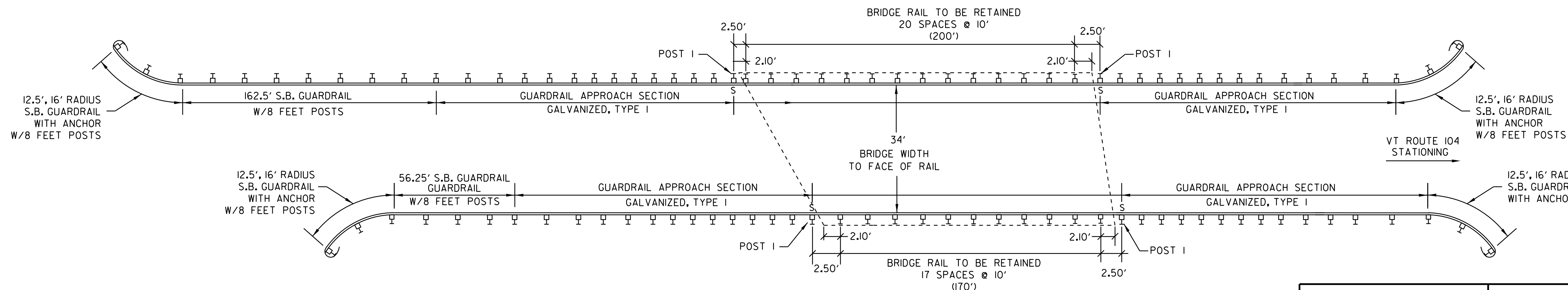
BRIDGE APPROACH RAILING

POST DETAIL



SPECIAL WASHER DETAIL

(MATERIAL SHALL MEET AASHTO M270M/M270 GRADE 345)

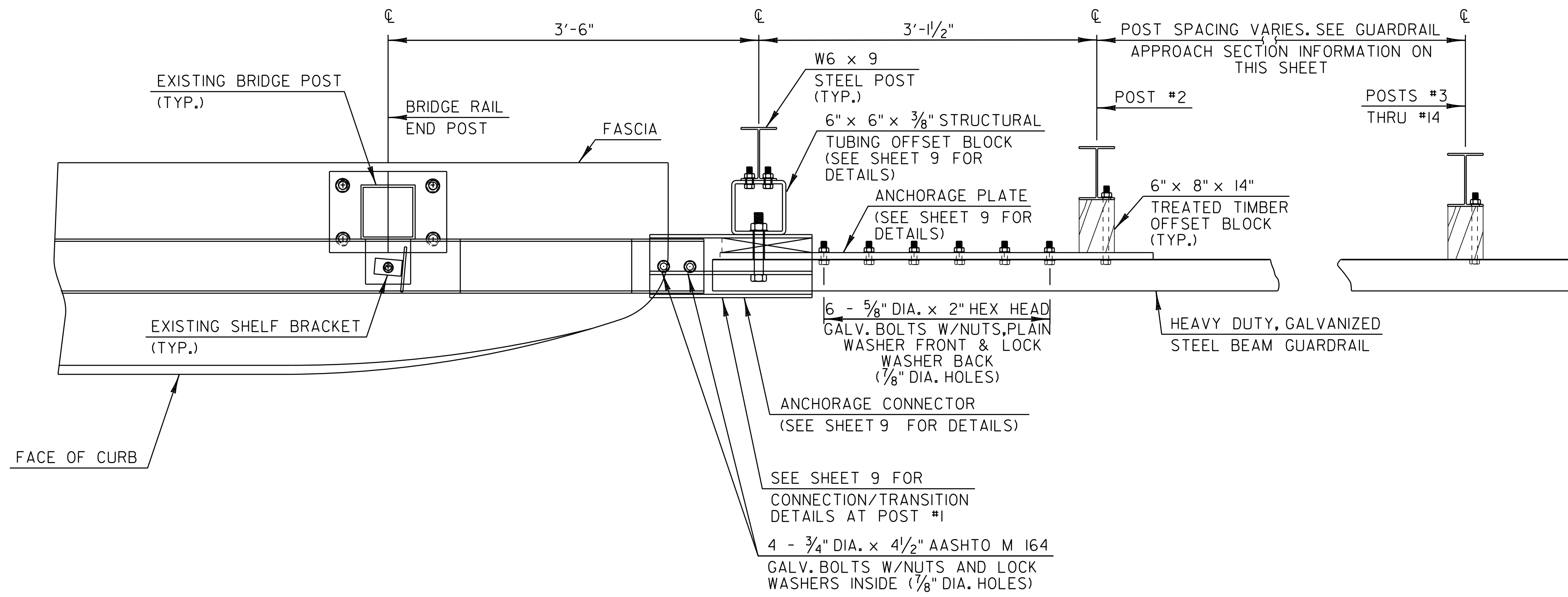


**FAIRFAX BRIDGE #9
STA. 270+03 - MM 5.114**

**BRIDGE
DETAIL
SHEET**

NOT TO SCALE

PROJECT NAME: CAMBRIDGE-FAIRFAX	FILE NAME: p07B182.dgn	PLOT DATE: 29-DEC-2014 13:45
PROJECT NUMBER: STP 2713(I)	PROJECT LEADER: CDL	DRAWN BY: SJL
	DESIGNED BY: RHB	CHECKED BY: EPD
	PLOT FILE: p07B182_7.i	SHEET 7 OF 36

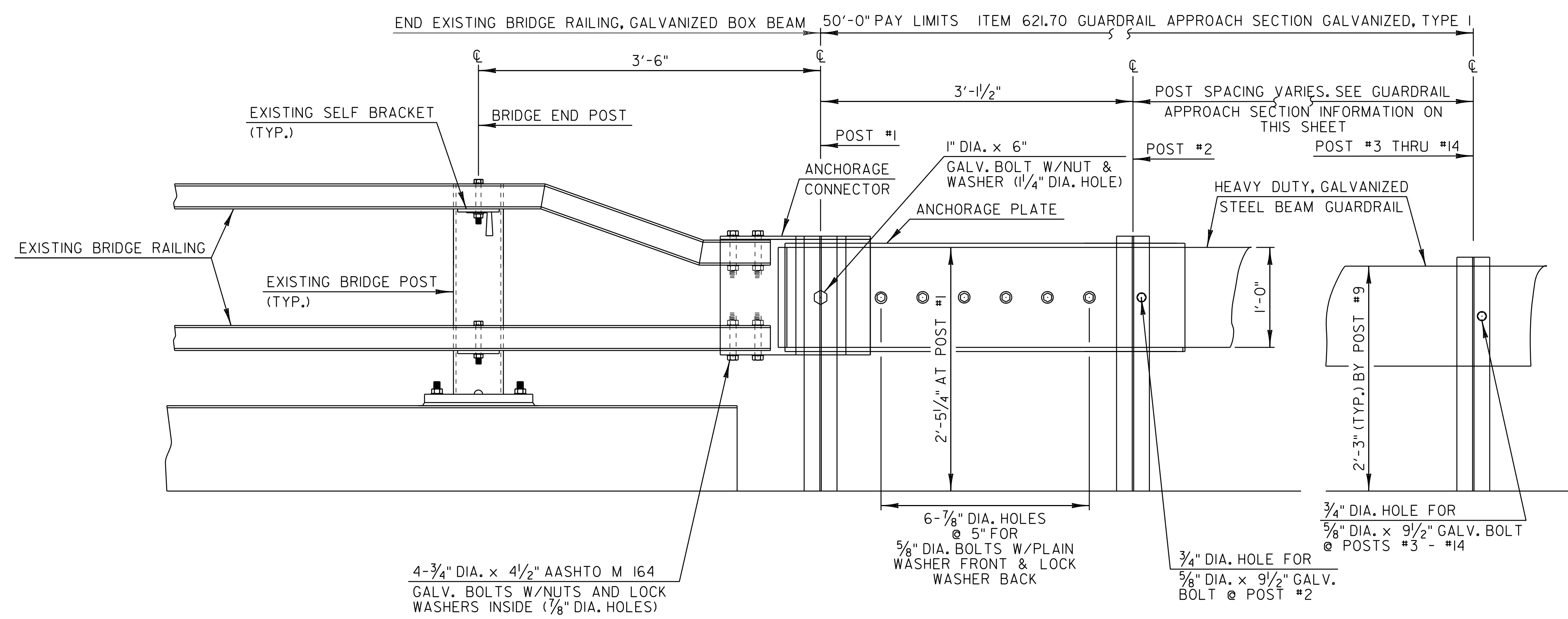


PLAN

**ITEM 621.70
GUARDRAIL APPROACH
SECTION, GALVANIZED
TYPE I**

POST NO.	SPACING
1	3'-1 1/2"
2	3'-1 1/2"
3	3'-1 1/2"
4	3'-1 1/2"
5	3'-1 1/2"
6	3'-1 1/2"
7	3'-1 1/2"
8	3'-1 1/2"
9	3'-1 1/2"
10	4'-2"
11	4'-2"
12	4'-2"
13	6'-3"
14	6'-3"

50'-0" PAY LENGTH GUARDRAIL APPROACH SECTION, TYPE I

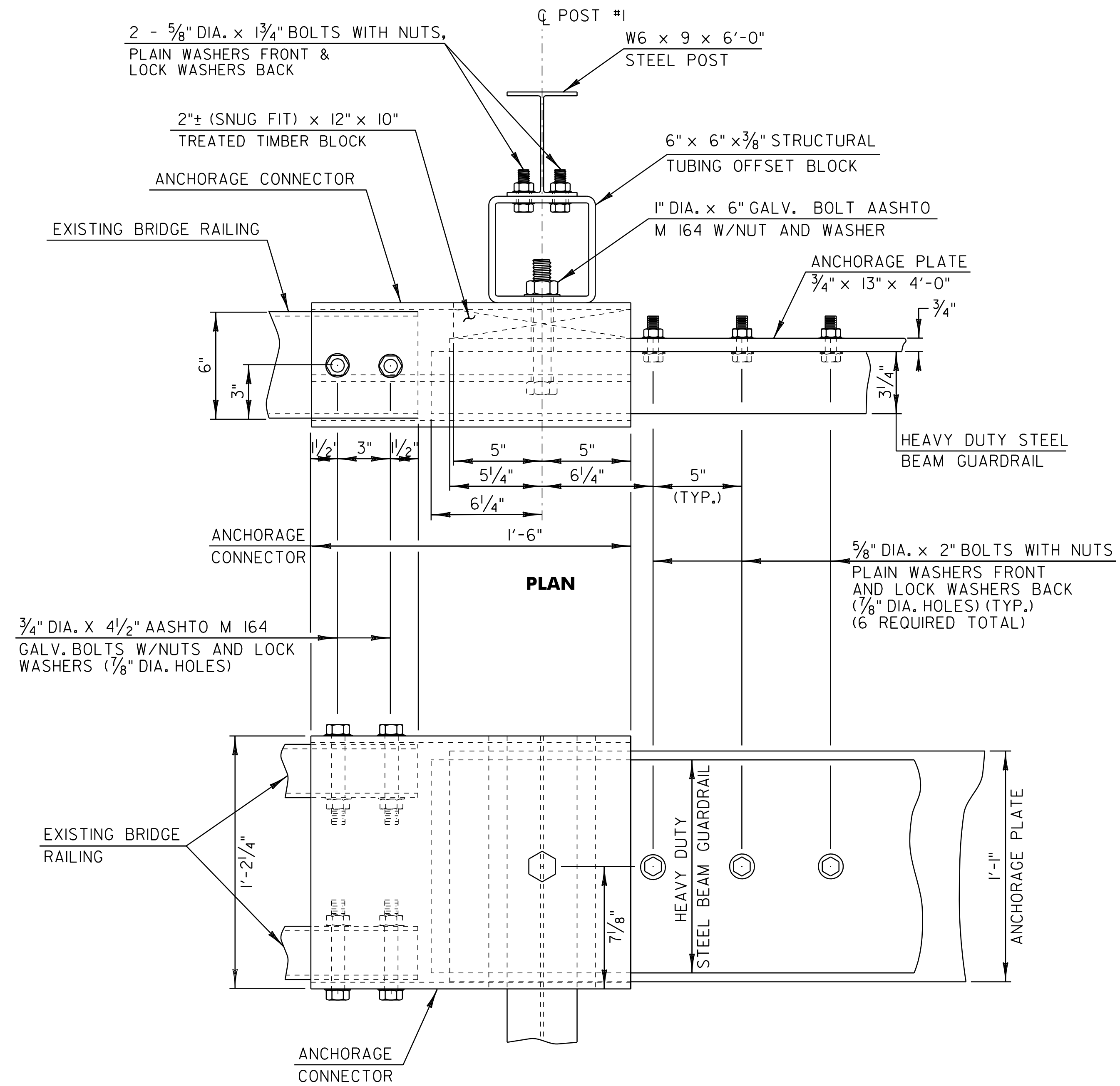


ELEVATION

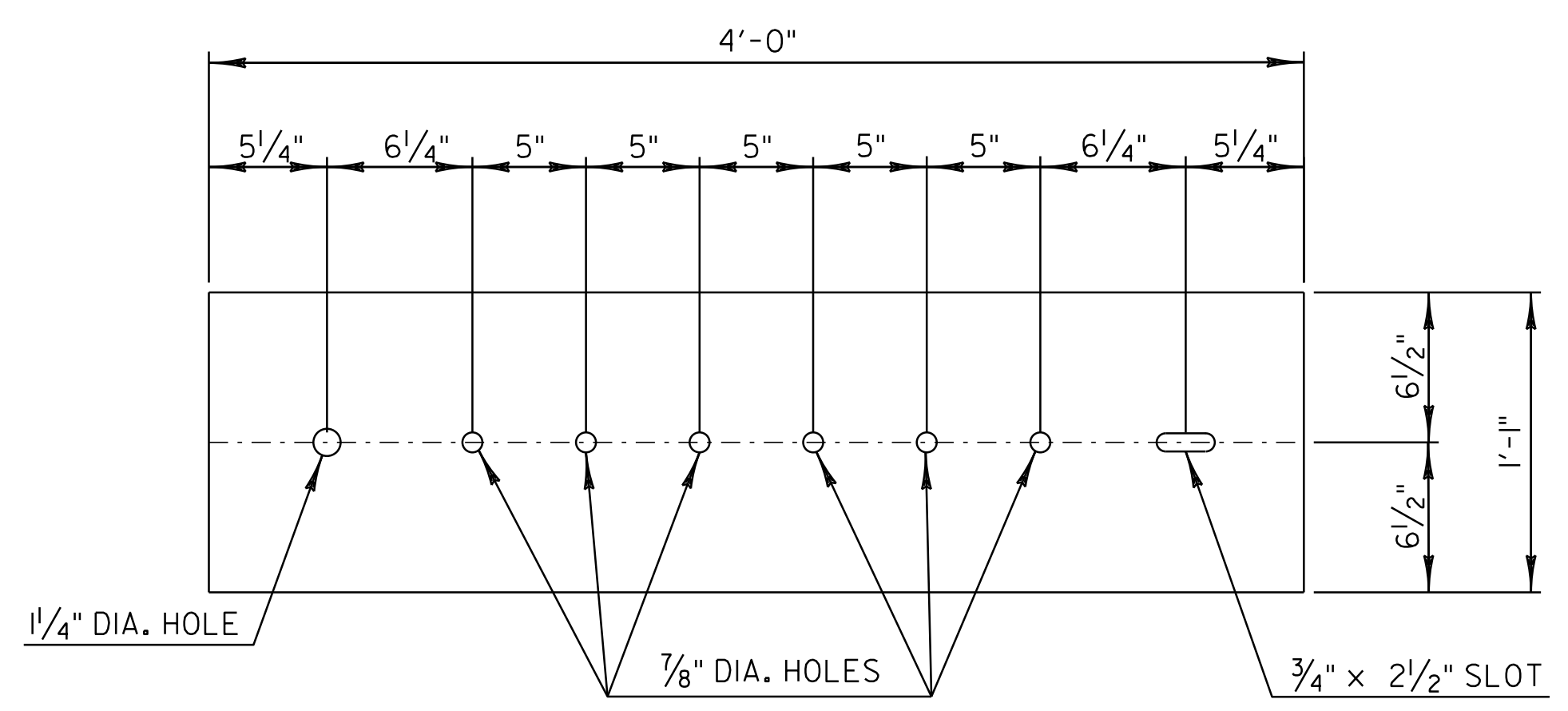
GUARDRAIL APPROACH SECTION DETAIL

NOT TO SCALE

GUARDRAIL APPROACH SECTION DETAIL SHEET 1	PROJECT NAME: CAMBRIDGE-FAIRFAX
	PROJECT NUMBER: STP 2713(I)
	FILE NAME: p07B182.dgn
	PLOT DATE: 29-DEC-2014 13:45
PROJECT LEADER: CDL	DRAWN BY: SJL
DESIGNED BY: RHB	CHECKED BY: EPD
PLOT FILE: p07B182_8.i	SHEET 8 OF 36

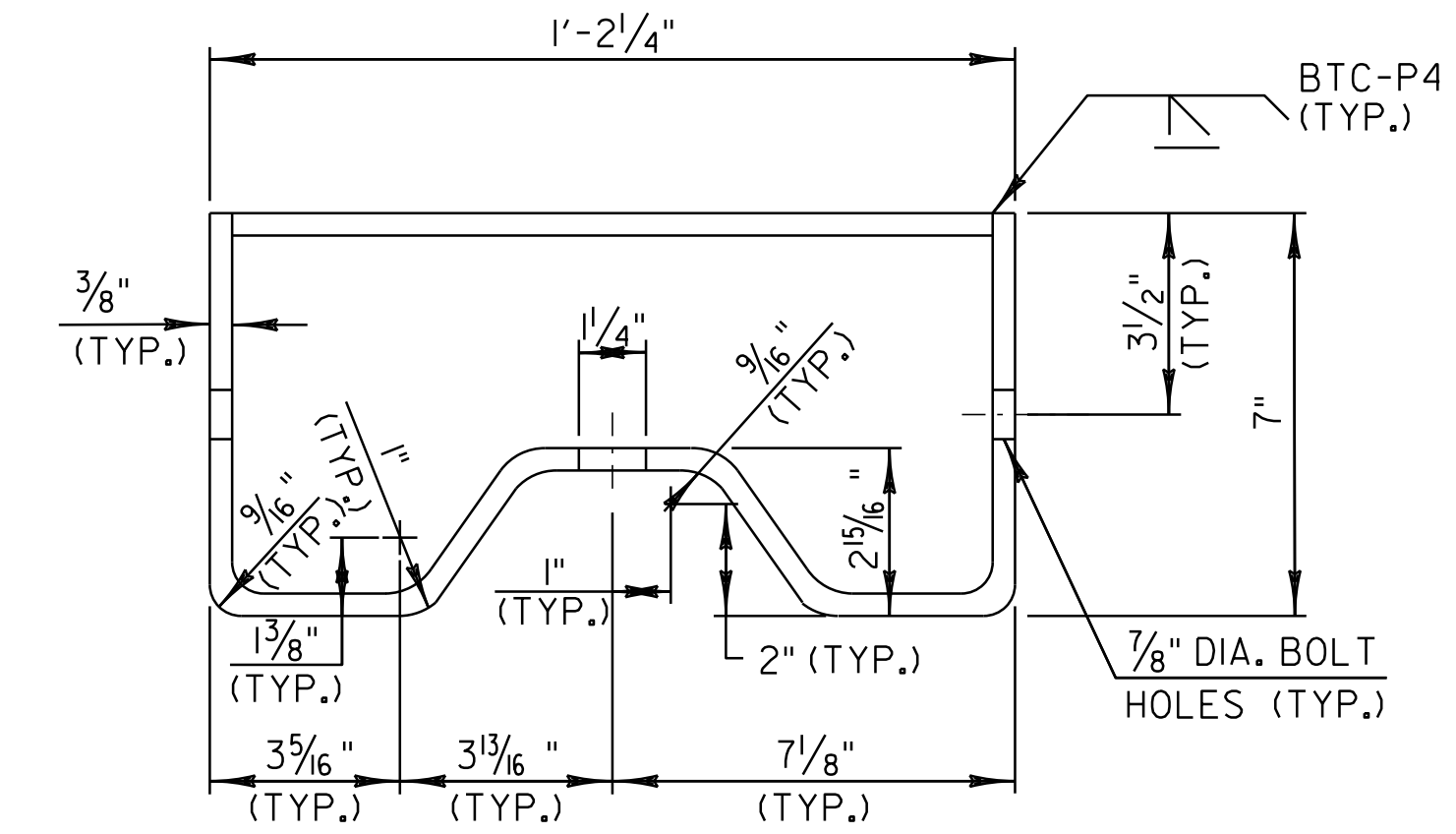


CONNECTION DETAILS AT POST #1

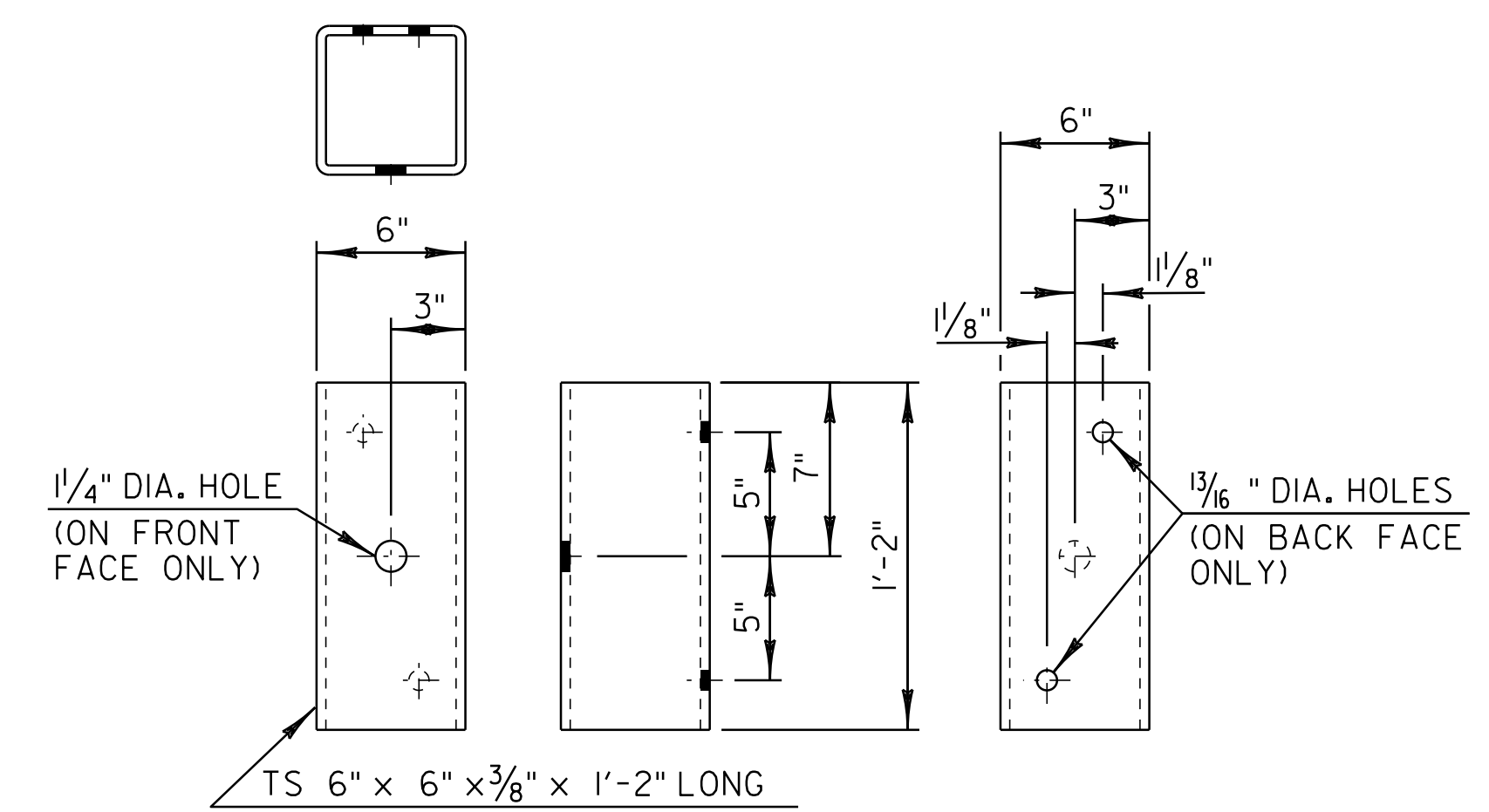


ANCHORAGE PLATE DETAIL

- NOTES:
1. REFER TO STANDARD G-I FOR ADDITIONAL RAIL DETAILS.
 2. ALL POSTS FOR HEAVY DUTY STEEL BEAM GUARDRAIL SHALL BE STEEL IN ACCORDANCE WITH SECTION 728 "GUARDRAIL, GUIDE POSTS AND BARRIERS" UNLESS OTHERWISE SPECIFIED IN THE CONTRACT.
 3. APPROACH RAIL SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
 4. ANCHORAGE CONNECTOR AND ANCHORAGE PLATE SHALL BE AASHTO M 270M/M 270, GRADE 250 GALVANIZED TO AASHTO M III AFTER FABRICATION.
 5. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A 325 GALVANIZED TO AASHTO M 232 AFTER FABRICATION.
 6. STRUCTURAL TUBING OFFSET BLOCK SHALL BE AASHTO M 183 GALVANIZED TO AASHTO M III AFTER FABRICATION.
 7. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 50'-0" FROM THE C OF POST #1 FOR TYPE I.
 8. ALLOWABLE DIMENSIONAL TOLERANCE FOR BENT SECTIONS IS $\pm 1/16$ ".
 9. THE UNIT PRICE BID FOR THE GUARDRAIL APPROACH SECTION SHALL INCLUDE ANCHORAGE CONNECTOR, ANCHORAGE PLATE, HEAVY DUTY STEEL BEAM GUARDRAIL, POSTS, OFFSET BLOCKS, BLOCKING, BOLTS, AND ALL NECESSARY HARDWARE.



ANCHORAGE CONNECTOR DETAIL
(SEE NOTE 8)



STRUCTURAL TUBING OFFSET BLOCK DETAILS
(OCCURS AT POST #1 WHEN USING APPROACH RAIL UTILIZING STEEL POSTS)

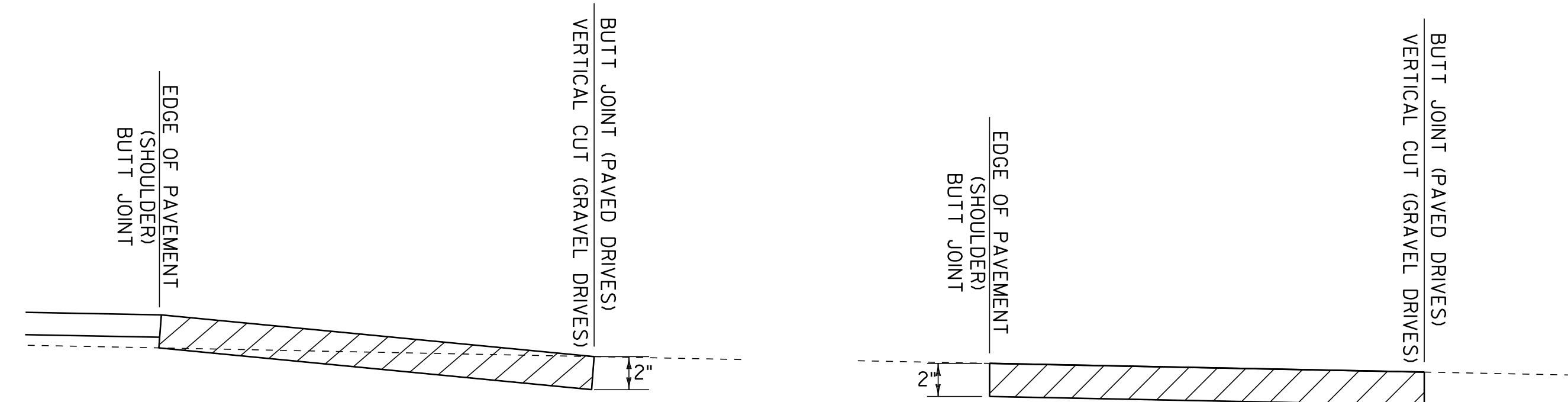
NOT TO SCALE

GUARDRAIL APPROACH SECTION DETAIL SHEET 2	PROJECT NAME: CAMBRIDGE-FAIRFAX	
	PROJECT NUMBER: STP 2713(I)	
	FILE NAME: p07B182.dgn	PLOT DATE: 29-DEC-2014 13:45
	DESIGNED BY: RHB	CHECKED BY: EPD
	PLOT FILE: p07B182_9.i	SHEET 9 OF 36

STATION	POSITION	QUANTITY (SY)	DESCRIPTION
CAMBRIDGE			
0+36	RT	9.5	PAVED
1+50	RT	24.4	PAVED
2+41	RT	16.3	GRAVEL
7+55	LT	3.7	FIELD
13+86	LT	18.4	GRAVEL
16+11	RT	24.8	GRAVEL
16+15	LT	7.2	GRAVEL
22+28	RT	4.4	FIELD
22+58	LT	50.2	GRAVEL
35+51	LT	14.4	GRAVEL
47+47	LT	47.5	GRAVEL
58+38	RT	18.1	GRAVEL
59+43	LT	25.0	GRAVEL
64+22	LT	18.1	GRAVEL
67+15	LT	6.0	WOODS
76+05	LT	6.2	WOODS
76+57	RT	46.0	GRAVEL
82+84	LT	19.8	GRAVEL
84+25	LT	15.4	GRAVEL
87+16	RT	12.6	GRAVEL
97+60	LT	15.6	GRAVEL
FAIRFAX			
17+83	RT	27.7	GRAVEL
19+03	LT	25.6	GRAVEL
25+00	RT	15.2	GRAVEL
28+59	LT	15.2	GRAVEL
35+22	LT	41.4	GRAVEL
37+43	LT	21.4	GRAVEL
37+52	RT	7.3	FIELD
41+11	LT	13.8	GRAVEL
43+40	LT	17.8	GRAVEL
47+53	RT	6.5	FIELD
51+51	LT	31.1	PAVED
51+86	RT	15.8	GRAVEL
53+34	RT	17.2	FIELD
57+65	LT	17.3	GRAVEL
68+80	LT	17.1	GRAVEL
77+16	RT	29.3	GRAVEL
77+95	LT	11.7	GRAVEL
78+85	RT	5.7	FIELD
82+77	RT	7.8	FIELD
97+29	LT	17.7	GRAVEL
101+75	RT	10.3	FIELD
110+63	LT	7.6	GRAVEL
111+13	RT	6.9	FIELD
111+17	LT	13.6	GRAVEL
113+69	LT	24.0	GRAVEL
122+07	LT	16.9	GRAVEL
125+70	LT	9.5	PAVED
130+21	RT	5.8	FIELD
136+44	LT	6.3	FIELD
139+72	RT	8.2	FIELD

STATION	POSITION	QUANTITY (SY)	DESCRIPTION
158+71	LT	27.5	PAVED
176+82	LT	12.6	GRAVEL
185+50	RT	11.1	GRAVEL
187+10	RT	59.7	GRAVEL
189+50	RT	27.6	GRAVEL
192+60	LT	44.6	GRAVEL
193+37	RT	36.0	GRAVEL
205+23	LT	20.0	GRAVEL
206+69	LT	16.0	GRAVEL
207+64	LT	13.8	GRAVEL
207+87	RT	17.0	GRAVEL
209+01	LT	17.3	GRAVEL
212+25	LT	17.3	GRAVEL
212+58	RT	10.2	FIELD
216+36	LT	201.4	PAVED
216+84	RT	30.1	PAVED
220+50	RT	7.1	FIELD
222+62	RT	11.1	GRAVEL
222+88	LT	8.2	GRAVEL
223+55	LT	8.9	GRAVEL
223+88	RT	8.2	PAVED
224+71	RT	14.0	PAVED
226+32	LT	12.6	GRAVEL
227+27	RT	11.6	GRAVEL
228+63	LT	13.1	GRAVEL
228+81	RT	11.0	PAVED
229+28	RT	12.1	GRAVEL
229+63	LT	26.4	GRAVEL
230+36	RT	24.5	GRAVEL
230+81	LT	12.4	GRAVEL
231+21	RT	10.5	GRAVEL
232+27	LT	24.8	GRAVEL
232+54	RT	11.8	PAVED
233+66	RT	19.4	GRAVEL
236+77	RT	26.0	PAVED
239+86	RT	36.3	GRAVEL
244+87	RT	32.4	PAVED
246+43	LT	14.4	PAVED
247+83	LT	23.0	PAVED
248+26	RT	26.9	PAVED
259+59	LT	22.0	GRAVEL
262+21	LT	22.1	GRAVEL
262+68	RT	27.2	GRAVEL
267+39	RT	112.4	GRAVEL
271+67	RT	11.4	GRAVEL
271+84	LT	21.4	PAVED
272+77	LT	13.8	GRAVEL
273+73	LT	23.7	PAVED
274+45	LT	17.3	PAVED
274+50	RT	11.8	PAVED
275+66	RT	10.9	GRAVEL
275+95	RT	7.2	GRAVEL
277+36	RT	9.8	PAVED
283+00	LT	16.3	GRAVEL
283+37	RT	11.8	GRAVEL
283+94	RT	11.4	GRAVEL
284+48	LT	3.7	PAVED
285+02	LT	6.9	GRAVEL
285+53	LT	12.4	PAVED

STATION	POSITION	QUANTITY (SY)	DESCRIPTION
286+78	LT	15.0	GRAVEL
286+90	RT	11.7	PAVED
287+61	RT	7.2	GRAVEL
287+98	RT	7.6	GRAVEL
288+87	RT	7.7	GRAVEL
290+44	RT	8.9	GRAVEL
290+50	LT	26.3	PAVED
291+96	RT	29.5	PAVED
293+16	RT	12.4	GRAVEL
293+62	LT	123.1	PAVED
294+17	RT	29.0	GRAVEL
295+32	RT	8.3	GRAVEL
297+02	LT	8.2	GRAVEL
297+64	RT	13.3	GRAVEL
297+89	LT	28.1	PAVED
298+70	RT	13.7	GRAVEL
298+85	LT	12.7	GRAVEL
299+37	RT	13.7	GRAVEL
300+46	LT	11.9	GRAVEL
301+08	RT	7.1	GRAVEL
301+70	LT	19.3	GRAVEL
301+80	RT	6.6	GRAVEL
302+80	RT	9.8	PAVED
303+25	RT	4.8	GRAVEL
303+55	LT	34.1	GRAVEL
305+03	LT	21.1	PAVED
305+23	RT	6.6	PAVED
305+82	RT	13.5	GRAVEL
306+34	LT	11.6	GRAVEL
307+45	RT	14.9	PAVED
308+83	RT	6.2	GRAVEL
309+13	LT	15.2	GRAVEL
310+64	LT	19.0	PAVED
311+73	LT	7.2	GRAVEL
313+17	RT	27.1	GRAVEL
314+67	RT	11.6	GRAVEL
316+09	RT	8.4	GRAVEL
316+12	LT	29.1	GRAVEL
317+40	LT	7.4	GRAVEL
318+46	LT	11.1	GRAVEL
324+23	RT	149.9	PAVED
325+25	LT	13.2	GRAVEL
326+20	LT	14.6	GRAVEL
331+91	RT	17.1	PAVED
336+06	RT	7.7	GRAVEL
338+20	RT	11.1	GRAVEL
351+03	LT	42.0	GRAVEL
351+87	RT	13.3	GRAVEL
352+65	RT	11.8	GRAVEL
352+70	LT	8.4	FIELD
355+75	RT	8.4	FIELD
SUBTOTAL		3195.2	
ROUNDING		104.8	
TOTAL		3300.0	



**SECTION A-A
LEVEL AND OVERLAY AREA**

**SECTION A-A
COLD PLANE AND PAVE AREA**

PLAN

HANDWORK DETAILS FOR DRIVES

VT ROUTE 104

LEGEND

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

NOTES:

1. PAVING LIFT NOT TO EXCEED 2" (50mm)
2. THE COST OF 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 CONSIDERED INCIDENTAL TO ITEM 900.675 "SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)".
3. EXCAVATION OR FILL NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 900.675 "SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)".

NOT TO SCALE

**HANDWORK
DETAILS FOR
DRIVES**

PROJECT NAME: CAMBRIDGE-FAIRFAX

PROJECT NUMBER: STP 2713(I)

FILE NAME: p07B182.dgn

PROJECT LEADER: CDL

DESIGNED BY: SJL

PLOT FILE: p07B182_I0.I

PLOT DATE: 29-DEC-2014 13:45

DRAWN BY: SJL

CHECKED BY: EPD

SHEET 10 OF 36

STATION	SIZE	TYPE	COVER LT	COVER RT	REMARKS
CAMBRIDGE					
STA. 5+85	48"	CPEP	3'	3'	
STA. 8+72	8"	RCP	2'	3'	
STA. 16+82		BOX CULVERT	6'	10'	
STA. 22+01	24"	RCP	2'	6'	
STA. 28+20	24"	CPEP	2'	3.5'	
STA. 32+00	36"	RCP	12'	10'	OUTLET END SEPARATED, SLOPE ERODED
STA. 39+78	48"	RCP	30'	30'	
STA. 46+42	18"	CMP	10'	30'	
STA. 54+48	36"	RCP	30'	30'	
STA. 61+22	24"	CMP	8'	10'	
STA. 63+79	24"	RCP	8'	20'	
STA. 65+21	36"	CPEP	4'	4'	
STA. 66+84	36"	RCP	2'	15'	
STA. 70+90	24"	RCP	10'	15'	
STA. 72+67	36"	CMP	3'	5'	
STA. 77+32	72"	CMP	2'	10'	
STA. 78+27	18"	RCP	2.5'	10'	
STA. 80+36	18"	CMP	4'	8'	
STA. 81+92	18"	RCP	3	10'	
STA. 86+55	24"	RCP	10'	15'	
STA. 87+00	6"	UD	10'		UNDERDRAIN OUTLET
STA. 89+21	72"	CMP	2'	12'	
STA. 92+97	36"	CMP	7'	15'	
STA. 97+27	24"	CMP	8'	12'	
STA. 100+38	6"	UD		3'	UNDERDRAIN OUTLET
STA. 100+75	18"	CMP	3'	3'	
FAIRFAX					
STA. 5+16	60"	CMP	30'	30'	
STA. 11+52	24"	CMP	3'	15'	
STA. 11+85	6"	UD		15'	
STA. 24+18	18"	CMP	30'	30'	
STA. 38+20	18"	RCP	3'	3'	
STA. 42+68	24"	RCP	4'	6'	
STA. 56+62	42"	CPEP	3'	3'	
STA. 62+53	24"	CMP	5'	8'	
STA. 70+15	24"	CMP	3'	7'	
STA. 75+13	18"	CMP	2'	4'	
STA. 78+29	36"	RCP	3'	5'	
STA. 91+74	36"	RCP	15'	10'	
STA. 98+94	36"	RCP	5'	12'	
STA. 107+80	4'X4'	CONC. BOX	2'	2'	
STA. 115+98	24"	RCP	1'	2'	
STA. 133+79	36"	CMP	10'	8'	
STA. 140+13	4'X4'	CONC. BOX	8'	8'	
STA. 154+97	72"	CMP	5'	8'	
STA. 161+69	6'X4'	CONC. BOX	8'	10'	
STA. 165+82	8"	CMP		3'	UNDERDRAIN OUTLET AT STA. 165+82
STA. 171+73	18"	CMP	3'	8'	
STA. 173+75	6"	CMP		3'	UNDERDRAIN OUTLET AT STA. 173+75
STA. 174+41	18"	CMP	6'	5'	
STA. 176+18	36"	CMP	4'	8'	
STA. 184+25	18"	CMP	4'		DIDN'T FIND OUTLET END
STA. 188+14	36"	RCP	3'		DIDN'T FIND OUTLET END
STA. 193+87	3'X3'	CONC. BOX	30'	30"	
STA. 196+95	4'X4'	CONC. BOX	30"	25'	
STA. 258+45	42"	CMP	12'	12'	
STA. 302+57	18"	CMP	3'	3'	
STA. 307+74	36"	CMP	4'	3'	
STA. 310+02	18"	CMP	3'	2.5'	
STA. 312+50	18"	RCP	3.5'	3'	
STA. 314+89	18"	CMP	4'	3'	
STA. 322+46	24"	CPEP	3'	2'	
STA. 331+69	60"	CMP	3'	2'	
STA. 335+40	3'X3'	CONC. BOX	0.5'	0.5'	
STA. 340+00	4'X4'	CONC. BOX	1'	1'	

NOT TO SCALE

**CULVERT
INVENTORY
SHEET**

PROJECT NAME: CAMBRIDGE-FAIRFAX

PROJECT NUMBER: STP 2713(I)

FILE NAME: p07B182.dgn

PROJECT LEADER: CDL

DESIGNED BY: SJL

PLOT FILE: p07B182_II.i

PLOT DATE: 29-DEC-2014 13:46

DRAWN BY: SJL

CHECKED BY: EPD

SHEET II OF 36

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

ITEM DETAIL SUMMARY SHEET 1

BEGIN STATION	END STATION	POS.	201.31	203.30	402.13	525.10	525.55	604.412	604.415		616.35	616.47	619.17	621.20	621.205	621.215	621.50	621.60	621.70	621.80	629.20	651.35	676.10	676.12	REMARKS	
			THINNING/TRIMMING FOR SIGNS	EARTH BORROW	AGG. SHOULDRAP	REMOVAL OF EXIST. RAILING	BRIDGE RAILING REPAIR TYPE II	REHAB. D. I. CLASS I	REHAB. D. I. CLASS II		TREATED TIMBER CURB	BIT. CONC. GUTTERS AND TRAF. ISLANDS	YIELDING MARKER POSTS	STEEL BEAM G. R., GALV.	STEEL BEAM G. R., GALV. W/8FT POSTS	H. D. STEEL BEAM G. R., GALV. W/8FT POSTS	MANUF. TERMINAL SECTION, FLARED	ANCHOR FOR S. B. G. R.	G. R. APPRCH SECTION GALV. TYPE I	REMOVE & DISP. OF G. R.	ADJUST ELEV. VALVE BOX	TOPSOIL	DEL. INE. WITH STEEL POSTS	REMOVAL OF EXIST. DEL. INE.		
			EACH	CY	TON	LF	LF	EACH	EACH		LF	TON	EACH	LF	LF	LF	EACH	EACH	EA	LF	EACH	CY	EACH	EACH		
CAMBRIDGE																										
0+00.00	103+85.77	LT&RT			467								46													ESTIMATED QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER
29+01	34+63.5	RT		50									487.5				2			562.5		10	2	2	INSTALL FLARED MTS @ STA. 29+01 AND STA. 34+26	
29+64	33+64	LT		50									325				2			400		10	2	2	INSTALL FLARED MTS @ STA. 29+64 AND STA. 33+26.5	
38+57	41+32	LT		50										200			2			275		10	2	2	INSTALL FLARED MTS @ STA. 38+57 AND STA. 40+94.5	
38+57	48+19.5	RT		25									525	400			1	1	47+75	962.5		5	1	1	INSTALL FLARED MTS @ STA. 38+57 CONNECT TO EXISTING GUARDRAIL AT STA. 48+19.5	
44+65	46+90	LT		50										150			2			225		10	2	2	INSTALL FLARED MTS @ STA. 44+65 AND STA. 46+52.5	
52+99	57+49	RT		50										375			2			450		10	2	2	INSTALL FLARED MTS @ STA. 52+99 AND STA. 57+11.5	
53+05	58+80	LT		50										500			2			575		10	2	2	INSTALL FLARED MTS @ STA. 53+05 AND STA. 58+42.5	
63+12.5	66+00	RT		50									212.5				2			287.5		10	2	2	INSTALL FLARED MTS @ STA. 63+12.5 AND STA. 65+62.5	
77+01	86+88.5	RT		50										912.5			2			987.5		10	2	2	INSTALL FLARED MTS @ STA. 77+01 AND STA. 86+51	
88+92	93+42	RT		25									414.5				+ 2	+ 0		425		10	2	2	INSTALL FLARED MTS @ STA. 88+92 AND 12'-6" LONG, 16' RADIUS WITH ANCHOR @ STA. 93+42	
95+44	97+94	RT		25										214.5			1	1		225		10	2	2	INSTALL 12'-6" LONG, 16' RADIUS WITH ANCHOR @ STA. 95+44 AND FLARED MTS @ STA. 97+56.5	
FAIRFAX																										
0+00.00	278+57.00	LT&RT	1		1158			12	3				52								4				VALVE BOXES ARE MONITORING WELLS TO BE PAID AS ROADWAY ITEMS NON-FEDERAL PARTICIPATING	
1+04.5	6+67	RT		25										527			1	2		562.5		10	2	2	INSTALL FLARED MTS @ STA. 1+04.5 AND 25'-0" LONG, 16' RAD. WITH ANCHORS @ STA. 6+54.5 & STA. 6+67	
3+07	7+07	LT		25										377			1	2		400		10	2	2	INSTALL FLARED MTS @ STA. 3+07 AND 31'-3" LONG, 16' RADIUS WITH ANCHOR @ STA. 6+87 & STA. 7+07	
9+82	11+94.5	RT		50									137.5				2			212.5		10	2	2	INSTALL FLARED MTS @ STA. 9+82 AND STA. 11+57	
SUBTOTAL			1	575	1625	-	-	12	3	-	-	98	2102	3656	-	-23-24	6	-	6550	4	135	27	27			

ITEM DETAIL SUMMARY SHEET 1	PROJECT NAME: CAMBRIDGE-FAIRFAX
	PROJECT NUMBER: STP 2713(I)
	FILE NAME: p07B182.dgn
	PLOT DATE: 29-DEC-2014 13:46
	DRAWN BY: SJL
	CHECKED BY: EPD
	SHEET 15 OF 36

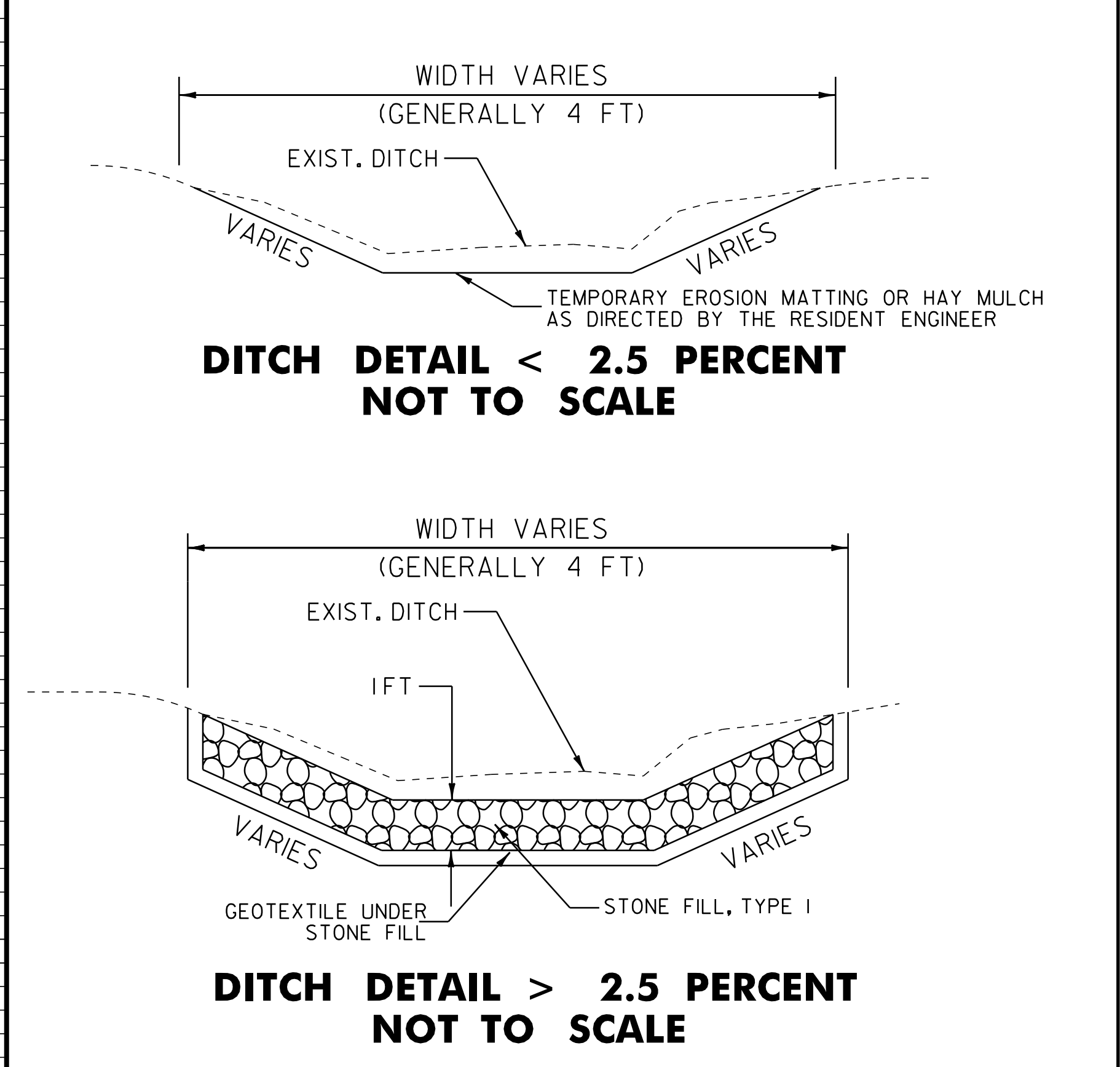
STATE OF VERMONT
AGENCY OF TRANSPORTATION

ITEM DETAIL SUMMARY SHEET 3

BEGIN STATION	END STATION	POS.	201.31 THINNING/ TRIMMING FOR SIGNS	203.30 EARTH BORROW	402.13 AGG. SHOULD. RAP	525.10 REMOVAL OF EXIST. RAILING	525.55 BRIDGE RAILING REPAIR TYPE II	604.412 REHAB. D. I. CLASS I	604.415 REHAB. D. I. CLASS II	616.35 TREATED TIMBER CURB	616.47 BIT. CONC. GUTTERS AND TRAF. ISLANDS	619.17 YIELDING MARKER POSTS	621.20 STEEL BEAM G. R., GALV	621.205 STEEL BEAM G. R. GALV. W/8FT POSTS	621.215 H. D. STEEL BEAM G. R. GALV. W/8FT POSTS	621.50 MANUF. TERMINAL SECTION, FLARED	621.60 ANCHOR FOR S. B. G. R.	621.70 G. R. APPRCH SECTION & DISP. GALV. TYPE I	621.80 REMOVE & DISP. OF G. R.	629.20 ADJUST ELEV. VALVE BOX	651.35 TOPSOIL	676.10 DEL IN. WITH STEEL POSTS	676.12 REMOVAL OF EXIST. DEL IN.	REMARKS
			EACH	CY	TON	LF	LF	EACH	EACH	LF	TON	EACH	LF	LF	LF	EACH	LF	EA	LF	EACH	CY	EACH	EACH	
184+16	185+41	RT		25									87.5			1			125		5	1	1	CONNECT TO EXISTING GUARDRAIL AT STA. 184+16 INSTALL FLARED MTS @ STA. 185+03.5
190+32	193+07	RT		50						225			200			2			275		10	2	2	INSTALL FLARED MTS @ STA.190+32 AND STA. 192+69.5
193+54	197+91.5	RT		50						350			400			1			437.5		5	1	1	CONNECT TO EXISTING GUARDRAIL AT STA. 193+54 INSTALL MTS @ STA. 197+54
193+17.5	194+80	LT		50									87.5			2			162.5		10	2	2	INSTALL FLARED MTS @ STA. 193+17.5 AND STA. 194+42.5
195+88.5	198+76	LT		50									212.5			2			287.5		10	2	2	INSTALL FLARED MTS @ STA. 195+88.5 AND STA. 198+38.5
197+77	203+78	RT									31.2													
198+43	204+83	LT									33.2													
248+14	255+78	LT									39.6													
253+70	259+57.5	RT											591.5				2		587.5		10	2	2	INSTALL 12' -6" LONG, 16' RADIUS WITH ANCHOR AT STA.253+70 AND STA. 259+57.5
266+90	269+15	LT								120			177			1	1	225		5	1	1	1	INSTALL 12' -6" LONG, 16' RADIUS WITH ANCHOR AT STA.266+90
268+02.5	269+21.25	RT											70.75 75			1	1	118.75		5	1	1	1	INSTALL 12' -6" LONG, 16' RADIUS WITH ANCHOR AT STA.268+02.5
270+79	271+41.5	LT								30			14.5			1	1	62.5		5	1	1	1	INSTALL 12' -6" LONG, 16' RADIUS WITH ANCHOR AT STA.271+41.5
270+90	271+52.5	RT											12.5			1	1	50		5	1	1	1	INSTALL 12' -6" LONG, 16' RADIUS WITH ANCHOR AT STA.271+52.5
282+54.00	363+26.40	LT&RT			162			6	1			18												
289+15	289+22	LT																						REMOVE SIDEWALK AND RECONSTRUCT SIDEWALK RAMP TYPE I, EXAMPLE 1 FROM STANDARD DRAWING C-3A. SEE TABLE ON MISCELLANEOUS DETAIL SHEET FOR ITEMS AND QUANTITIES
SUBTOTAL THIS SHEET			-	225	162	-	-	6	1	725	104	18	991.5	862.25 866.5	-	8	6	4	2331.25	-	70	14	14	
SUBTOTAL SHEET 15			1	575	1625	-	-	12	3	-	-	98	2102	3656	200	23-24	6	-	6550	4	135	27	27	
SUBTOTAL SHEET 16			-	575	-	175	175	-	-	-	-	-	4031	4943.5 4941	130 130	23-22	6	-	9825	-	145	29	29	
ROUNDING			-	-	13	-	-	-	-	-	1	-	0.5	38.25	-	-	-	-	18.75	-	-	-	-	
TOTAL			1	1375	1800	175	175	18	4	725	105	116	7125	9500 9501.75	130 130	54	18	4	18725	4	350	70	70	

ITEM DETAIL SUMMARY SHEET 3	PROJECT NAME: CAMBRIDGE-FAIRFAX
	PROJECT NUMBER: STP 2713(I)
	FILE NAME: p07B182.dgn
	PLOT DATE: 29-DEC-2014 13:46
	PROJECT LEADER: CDL
	DESIGNED BY: SJL
	PLOT FILE: p07B182-17.1
	DRAWN BY: SJL
	CHECKED BY: EPD
	SHEET 17 OF 36

LOCATION				FEET OF DITCHING			MISC. ITEMS			REMARKS	LOCATION				FEET OF DITCHING			MISC. ITEMS			REMARKS
SITE	STA.	STA.	POS.	PERCENT GRADE			653.20	613.10	649.31		SITE	STATION	STATION	POS.	PERCENT GRADE			653.20	613.10	649.31	
				0-1	1-2.5	2.5-10	TEMP. EROS. MATT.	STONE FILL TYP. 1	GEOT. UNDER STONE FILL						0-1	1-2.5	2.5-10	TEMP. EROS. MATT.	STONE FILL TYP. 1	GEOT. UNDER STONE FILL	
							SY	CY	SY									SY	CY	SY	
VT 104 CAMBRIDGE																					
1	0+79	30+57	LT	2978			1324														
2	31+85	32+35	LT	50			22														
3	33+75	35+25	LT	150			67														
4	36+33	39+60	LT	327			145														
5	42+03	45+41	LT	338			150														
6	48+42	63+36	LT	1494			664														
7	59+66	71+28	LT	1162			516														
8	60+88	62+15	RT	127			56														
9	73+39	77+83	LT&RT	888			395														
10	81+47	96+36	LT	1489			662														
11	86+00	86+75	RT	75			33														
12	88+02	89+76	RT		174			26	116												
13	98+68	106+66	LT&RT		1596			236	1064												
VT 104 FAIRFAX																					
14	0+00	3+48	LT		348			52	232												
15	0+00	1+85	RT		185			27	123												
16	7+39	22+44	LT&RT		3010			446	2007												
17	25+66	31+26	RT		560			83	373												
18	35+75	45+36	LT		961			427													
19	75+77	83+00	LT		723			321													
20	88+49	99+37	LT		1088			484													
21	104+07	131+74	LT		2767			1230													
22	112+15	120+38	RT		823			366													
SUBTOTAL					15440	5873	6862	870	3915												
							1750	20	90	GUARDRAIL ENDS/MISC DISTURBED AREAS											
ROUNDING							88	10	95												
TOTAL					15440	5873	8700	900	4100												

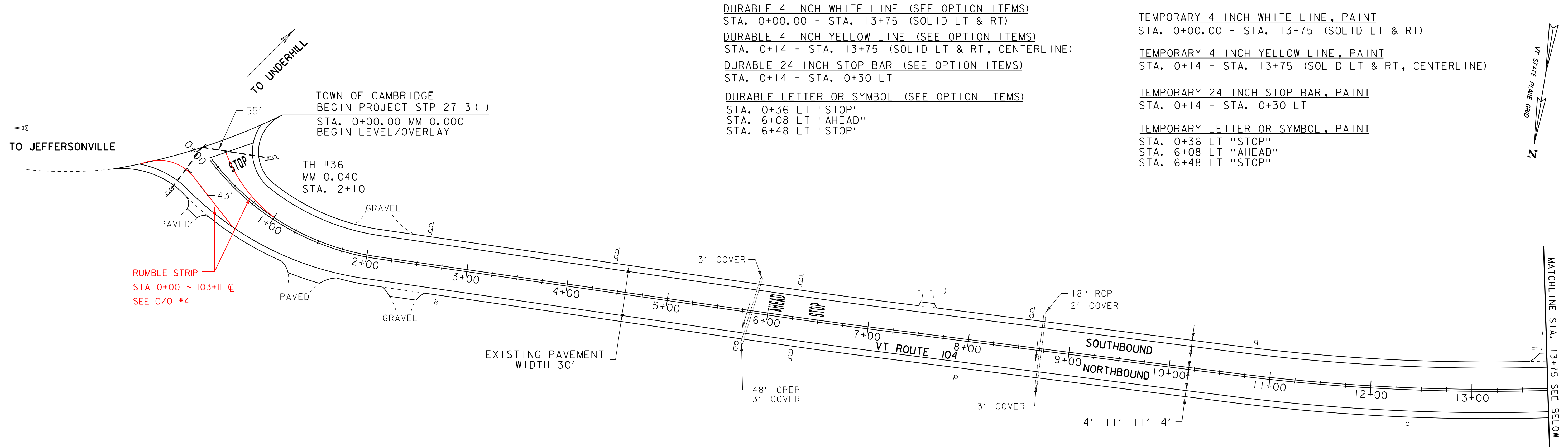


- NOTES:**
- EXCAVATION OF PIPE INLET AND OUTLET AREAS AND DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS IDENTIFIED ON THIS SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).
 - GRADES LESS THAN 1 PERCENT SHALL USE ITEM 651.15, SEED AND ITEM 651.25, HAY MULCH. GRADES BETWEEN 1 AND 2.5 PERCENT SHALL USE ITEM 651.25, HAY MULCH OR ITEM 653.20, TEMPORARY EROSION MATTING AS DIRECTED BY THE RESIDENT ENGINEER. GRADES OVER 2.5 PERCENT SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE 1 AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

DITCH CLEANING DETAIL SHEET

PROJECT NAME: CAMBRIDGE - FAIRFAX
PROJECT NUMBER: STP 2713(1)
FILE NAME: p07B182.dgn PLOT DATE: 29-DEC-2014 13:46
PROJECT LEADER: CDL DRAWN BY: SJL
DESIGNED BY: SJL CHECKED BY: EPD
PLOT FILE: p07B182_18.i SHEET 18 OF 36



DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 0+00.00 - STA. 13+75 (SOLID LT & RT)
 DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 0+14 - STA. 13+75 (SOLID LT & RT, CENTERLINE)
 DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)
 STA. 0+14 - STA. 0+30 LT
 DURABLE LETTER OR SYMBOL (SEE OPTION ITEMS)
 STA. 0+36 LT "STOP"
 STA. 6+08 LT "AHEAD"
 STA. 6+48 LT "STOP"

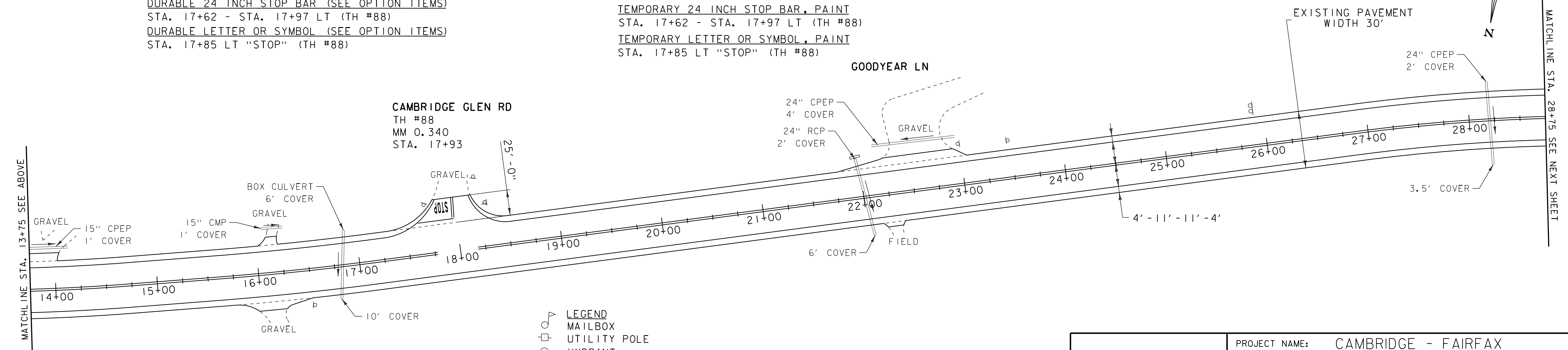
TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 0+00.00 - STA. 13+75 (SOLID LT & RT)
 TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 0+14 - STA. 13+75 (SOLID LT & RT, CENTERLINE)
 TEMPORARY 24 INCH STOP BAR, PAINT
 STA. 0+14 - STA. 0+30 LT
 TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 0+36 LT "STOP"
 STA. 6+08 LT "AHEAD"
 STA. 6+48 LT "STOP"

TOWN OF CAMBRIDGE
 BEGIN PROJECT STP 2713 (I)
 STA. 0+00.00 MM 0.000
 BEGIN LEVEL/OVERLAY

RUMBLE STRIP
 STA 0+00 ~ 103+11 @
 SEE C/O #4

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 13+75 - STA. 28+75 (SOLID LT & RT)
 (WITH BREAKS AT TOWN ROADS)
 STA. 17+93 LT (EDGELINES TH #88)
 DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 13+75 - STA. 28+75 (SOLID LT & RT, CENTERLINE)
 (WITH BREAKS AT TOWN ROADS)
 STA. 17+93 LT (CENTERLINE TH #88)
 DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)
 STA. 17+62 - STA. 17+97 LT (TH #88)
 DURABLE LETTER OR SYMBOL (SEE OPTION ITEMS)
 STA. 17+85 LT "STOP" (TH #88)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 13+75 - STA. 28+75 (SOLID LT & RT)
 (WITH BREAKS AT TOWN ROADS)
 STA. 17+93 LT (EDGELINES TH #88)
 TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 13+75 - STA. 28+75 (SOLID LT & RT, CENTERLINE)
 (WITH BREAKS AT TOWN ROADS)
 STA. 17+93 LT (CENTERLINE TH #88)
 TEMPORARY 24 INCH STOP BAR, PAINT
 STA. 17+62 - STA. 17+97 LT (TH #88)
 TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 17+85 LT "STOP" (TH #88)



CAMBRIDGE GLEN RD
 TH #88
 MM 0.340
 STA. 17+93

- LEGEND
- MAILBOX
 - UTILITY POLE
 - ⊕ HYDRANT
 - MANHOLE
 - ⊙ WATER VALVE
 - ⊠ CATCH BASIN / DROP INLET
 - ⊡ SIGN

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PROJECT LAYOUT SHEET 1	PROJECT NAME: CAMBRIDGE - FAIRFAX
	PROJECT NUMBER: STP 2713(I)
	FILE NAME: p07B182.dgn
	PLOT DATE: 29-DEC-2014 13:46
DESIGNED BY: SJL	DRAWN BY: SJL
PLOT FILE: p07B182_19.i	CHECKED BY: EPD
	SHEET 19 OF 36

STEEL BEAM GUARDRAIL, GALVANIZED
 STA. 29+38.5 - STA. 34+26 RT
 STA. 30+01.5 - STA. 33+26.5 LT
 STA. 42+94.5 - STA. 43+50 RT

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 28+75 - STA. 43+50 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 28+75 - STA. 43+50 (SOLID LT & RT)

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 STA. 38+94.5 - STA. 40+94.5 LT
 STA. 38+94.5 - STA. 42+94.5 RT

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 28+75 - STA. 43+50 (SOLID LT & RT, CENTERLINE)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 28+75 - STA. 43+50 (SOLID LT & RT, CENTERLINE)

MANUFACTURED TERMINAL SECTION, FLARED

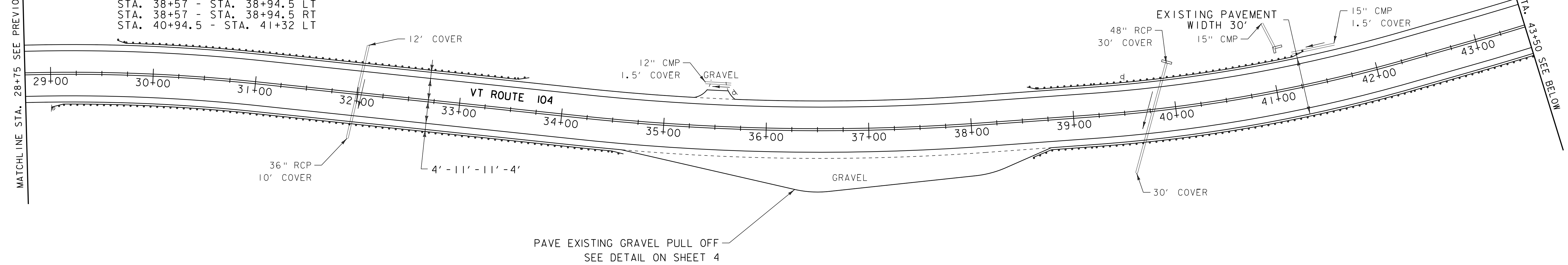
STA. 29+01 - STA. 29+38.5 RT
 STA. 29+64 - STA. 30+01.5 LT
 STA. 33+26.5 - STA. 33+64 LT
 STA. 34+26 - STA. 34+63.5 RT
 STA. 38+57 - STA. 38+94.5 LT
 STA. 38+57 - STA. 38+94.5 RT
 STA. 40+94.5 - STA. 41+32 LT

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 29+01 - STA. 34+63.5 RT
 STA. 29+64 - STA. 33+64 LT
 STA. 38+57 - STA. 41+32 LT
 STA. 38+57 - STA. 43+50 RT

MATCHLINE STA. 28+75 SEE PREVIOUS SHEET

MATCHLINE STA. 43+50 SEE BELOW



DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 43+50 - STA. 57+75 (SOLID LT & RT)
 (WITH BREAKS AT TOWN ROADS)
 STA. 48+50 RT (EDGE LINES TH #66)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 43+50 - STA. 57+75 (SOLID LT & RT)
 (WITH BREAKS AT TOWN ROADS)
 STA. 48+50 RT (EDGE LINES TH #66)

STEEL BEAM GUARDRAIL, GALVANIZED
 STA. 43+50 - STA. 48+19.5 RT

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 43+50 - STA. 57+75 (SOLID LT & RT, CENTERLINE)
 (WITH BREAKS AT TOWN ROADS)
 STA. 48+50 RT (CENTERLINE TH #66)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 43+50 - STA. 57+75 (SOLID LT & RT, CENTERLINE)
 (WITH BREAKS AT TOWN ROADS)
 STA. 48+50 RT (CENTERLINE TH #66)

ANCHOR FOR STEEL BEAM RAIL
 STA. 47+75

DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)

TEMPORARY 24 INCH STOP BAR, PAINT
 STA. 48+48 - STA. 49+00 RT (TH #66)

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 STA. 45+02.5 - STA. 46+52.5 LT
 STA. 44+65 - STA. 46+90 LT
 STA. 53+36.5 - STA. 57+11.5 RT
 STA. 53+05 - STA. 57+49 LT

DURABLE LETTER OR SYMBOL (SEE OPTION ITEMS)
 STA. 48+70 RT "STOP" (TH #66)

TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 48+70 RT "STOP" (TH #66)

MANUFACTURED TERMINAL SECTION, FLARED

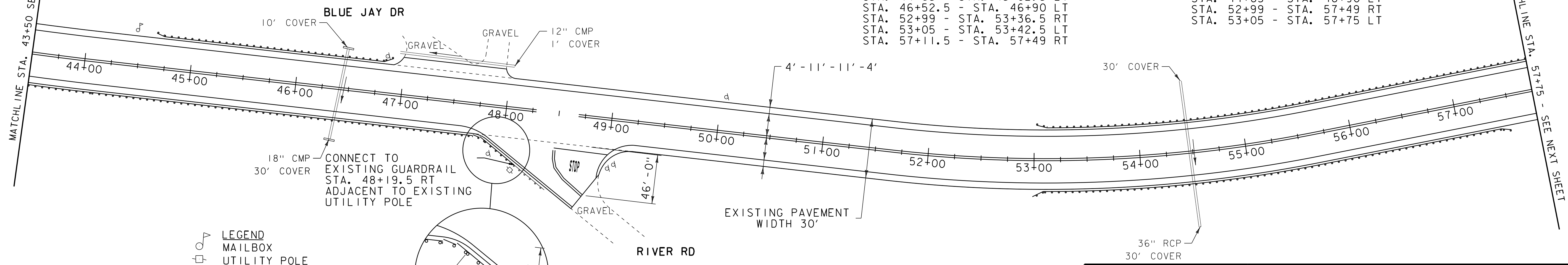
REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 44+65 - STA. 45+02.5 LT
 STA. 46+52.5 - STA. 46+90 LT
 STA. 52+99 - STA. 53+36.5 RT
 STA. 53+05 - STA. 53+42.5 LT
 STA. 57+11.5 - STA. 57+49 RT

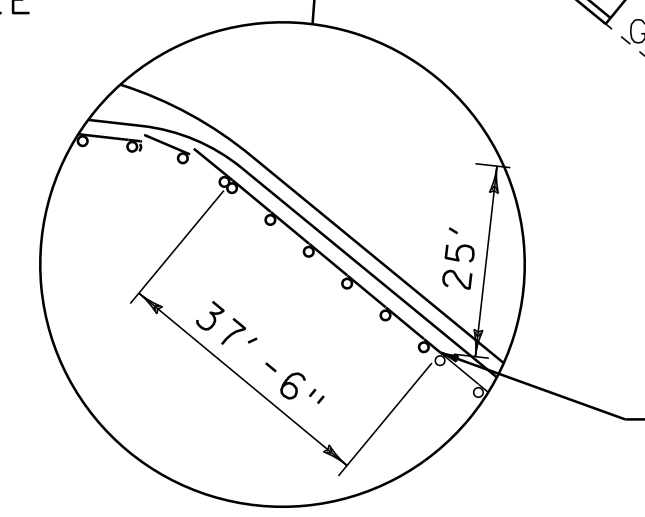
STA. 43+50 - STA. 47+82 RT
 STA. 44+65 - STA. 46+90 LT
 STA. 52+99 - STA. 57+49 RT
 STA. 53+05 - STA. 57+75 LT

MATCHLINE STA. 43+50 SEE ABOVE

MATCHLINE STA. 57+75 - SEE NEXT SHEET



- LEGEND**
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN



RIVER RD
 TH #66
 MM 0.919
 STA. 48+50
 CONNECT TO EXISTING GUARDRAIL STA. 48+19.5 RT

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

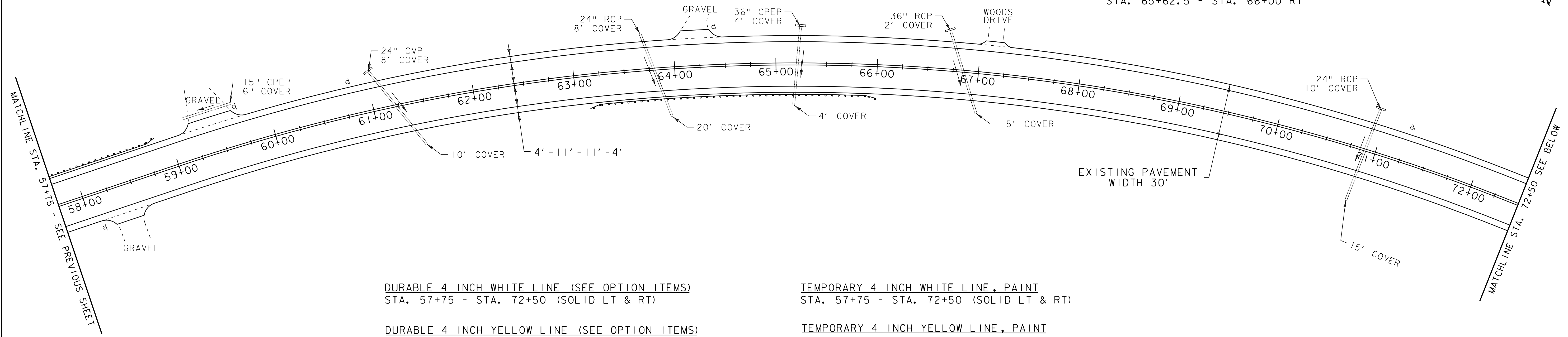
PROJECT LAYOUT SHEET 2	PROJECT NAME: CAMBRIDGE - FAIRFAX
	PROJECT NUMBER: STP 2713(I)
	FILE NAME: p07B182.dgn
	PLOT DATE: \$\$\$DATE\$\$\$
DESIGNED BY: SJL	DRAWN BY: SJL
PLOT FILE: p07B182.20.i	CHECKED BY: EPD
	SHEET 20 OF 36

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 57+75 - STA. 58+80 LT
 STA. 63+12.5 - STA. 66+00 RT

STEEL BEAM GUARDRAIL, GALVANIZED
 STA. 63+50 - STA. 65+62.5 RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 STA. 57+75 - STA. 58+42.5 LT

MANUFACTURED TERMINAL SECTION, FLARED
 STA. 58+42.5 - STA. 58+80 LT
 STA. 63+12.5 - STA. 63+50 RT
 STA. 65+62.5 - STA. 66+00 RT



DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 57+75 - STA. 72+50 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 57+75 - STA. 72+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 57+75 - STA. 72+50 (SOLID LT & RT, CENTERLINE)

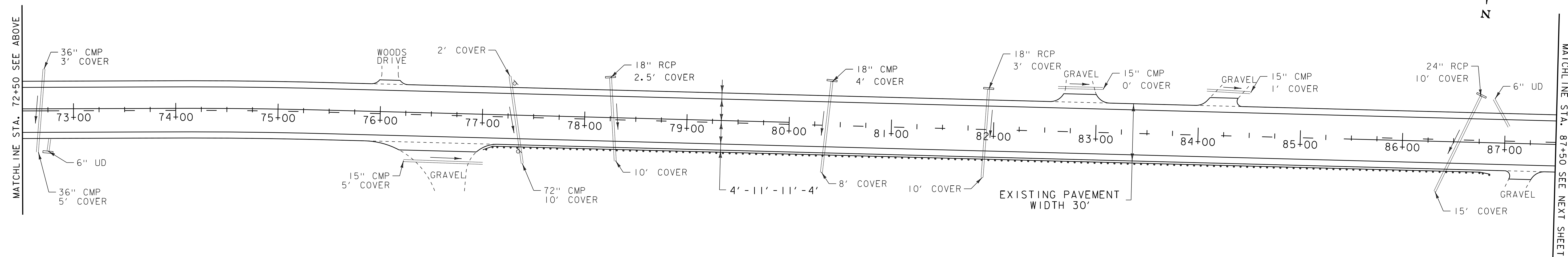
TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 57+75 - STA. 72+50 (SOLID LT & RT, CENTERLINE)

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 72+50 - STA. 87+50 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 72+50 - STA. 87+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 72+50 - STA. 72+86 (SOLID LT & RT, CENTERLINE)
 STA. 72+86 - STA. 80+00 (SOLID LT, DASHED RT, CENTERLINE)
 STA. 80+00 - STA. 85+53 (DASHED, CENTERLINE)
 STA. 85+53 - STA. 87+50 (DASHED LT, SOLID RT, CENTERLINE)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 72+50 - STA. 72+86 (SOLID LT & RT, CENTERLINE)
 STA. 72+86 - STA. 80+00 (SOLID LT, DASHED RT, CENTERLINE)
 STA. 80+00 - STA. 85+53 (DASHED, CENTERLINE)
 STA. 85+53 - STA. 87+50 (DASHED LT, SOLID RT, CENTERLINE)



STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 STA. 77+38.5 - STA. 86+51 RT

MANUFACTURED TERMINAL SECTION, FLARED
 STA. 77+01 - STA. 77+38.5 RT
 STA. 86+51 - STA. 86+88.5 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 77+01 - STA. 86+88.5 RT

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

- LEGEND
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN

NOT TO SCALE

PROJECT LAYOUT SHEET 3

PROJECT NAME: CAMBRIDGE - FAIRFAX

PROJECT NUMBER: STP 2713(I)

FILE NAME: p07B182.dgn

PROJECT LEADER: CDL

DESIGNED BY: SJL

PLOT FILE: p07B182.21.i

PLOT DATE: 29-DEC-2014 13:46

DRAWN BY: SJL

CHECKED BY: EPD

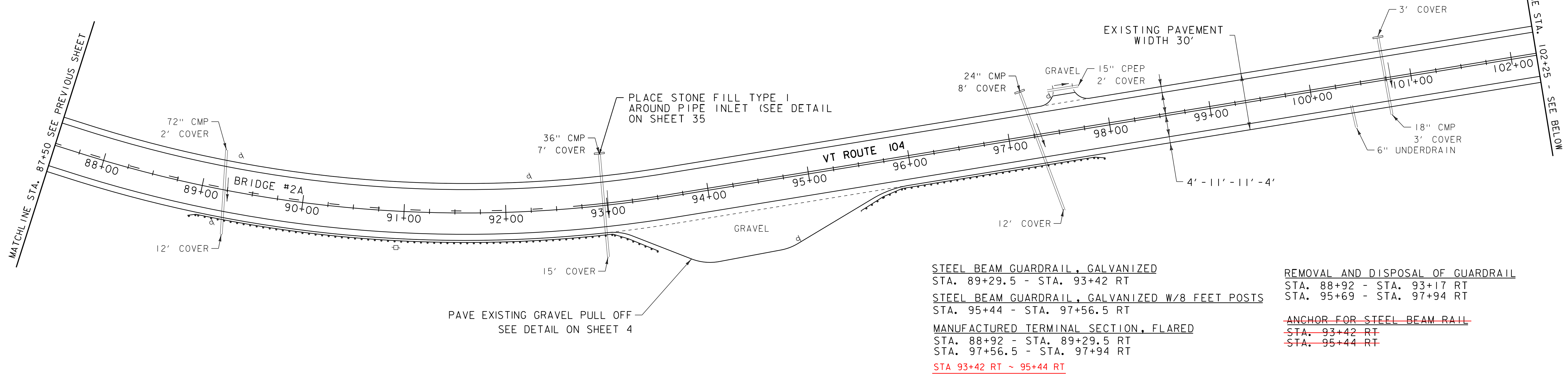
SHEET 21 OF 36

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 87+50 - STA. 102+25 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 87+50 - STA. 102+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 87+50 - STA. 92+76 (DASHED LT, SOLID RT, CENTERLINE)
 STA. 92+76 - STA. 102+25 (SOLID LT & RT, CENTERLINE)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 87+50 - STA. 92+76 (DASHED LT, SOLID RT, CENTERLINE)
 STA. 92+76 - STA. 102+25 (SOLID LT & RT, CENTERLINE)



STEEL BEAM GUARDRAIL, GALVANIZED
 STA. 89+29.5 - STA. 93+42 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 88+92 - STA. 93+17 RT
 STA. 95+69 - STA. 97+94 RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 STA. 95+44 - STA. 97+56.5 RT

~~ANCHOR FOR STEEL BEAM RAIL
 STA. 93+42 RT
 STA. 95+44 RT~~

MANUFACTURED TERMINAL SECTION, FLARED
 STA. 88+92 - STA. 89+29.5 RT
 STA. 97+56.5 - STA. 97+94 RT

STA 93+42 RT ~ 95+44 RT

STEEL BEAM GUARDRAIL, GALVANIZED
 STA. 10+19.5 - STA. 11+57 RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 STA. 1+42 - STA. 6+69 RT
 STA. 3+44.5 - STA. 7+07 LT

MANUFACTURED TERMINAL SECTION, FLARED
 STA. 1+04.5 - STA. 1+42 RT
 STA. 3+07 - STA. 3+44.5 LT
 STA. 9+82 - STA. 10+19.5 RT
 STA. 11+57 - STA. 11+94.5 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 1+04.5 - STA. 6+67 RT
 STA. 3+07 - STA. 7+07 LT
 STA. 9+82 - STA. 11+94.5

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 102+25 - STA. 103+85.77 (SOLID LT & RT)
 STA. 0+00 - STA. 13+50 (SOLID LT & RT)
 (WITH BREAKS AT TOWN ROADS)
 STA. 6+97 RT (EDGE LINES TH #50)
 STA. 7+30 LT (EDGE LINES TH #47)

THINNING AND TRIMMING FOR SIGNS
 STA. 8+00 RT (REFER TO DETAIL ON SHEET 6)

ANCHOR FOR STEEL BEAM RAIL
 STA. 6+54.5 RT
 STA. 6+67 RT
 STA. 6+87 LT
 STA. 7+07 LT

ALLEN IRISH RD
 TH #47
 MM 0.138
 STA. 7+30

STA. 7+07 LT ANCHOR
 FOR STEEL BEAM RAIL

CAMBRIDGE STA. 103+85.77
 FAIRFAX STA. 0+00.00

DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)
 STA. 6+95 - STA. 7+25 RT (TH #50)
 STA. 7+02 - STA. 7+31 LT (TH #47)
 DURABLE LETTER OR SYMBOL (SEE OPTION ITEMS)
 STA. 7+07 RT "STOP" (TH #50)
 STA. 7+22 LT "STOP" (TH #47)

CLEARY RD
 TH #50
 MM 0.132
 STA. 6+97

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 102+25 - STA. 103+85.77 (SOLID LT & RT, CENTERLINE)
 STA. 0+00 - STA. 13+50 (SOLID LT & RT, CENTERLINE)
 (WITH BREAKS AT TOWN ROADS)
 STA. 6+97 RT (CENTERLINE TH #50)
 STA. 7+30 LT (CENTERLINE TH #47)

TEMPORARY 24 INCH STOP BAR, PAINT
 STA. 6+95 - STA. 7+25 RT (TH #50)
 STA. 7+02 - STA. 7+31 LT (TH #47)
 TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 7+07 RT "STOP" (TH #50)
 STA. 7+22 LT "STOP" (TH #47)

- LEGEND
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN

NOT TO SCALE

**PROJECT
 LAYOUT
 SHEET 4**

PROJECT NAME: CAMBRIDGE - FAIRFAX

PROJECT NUMBER: STP 2713(I)

FILE NAME: p07B182.dgn

PROJECT LEADER: CDL

DESIGNED BY: SJL

PLOT FILE: p07B182.22.t

PLOT DATE: 29-DEC-2014 13:46

DRAWN BY: SJL

CHECKED BY: EPD

SHEET 22 OF 36

DATUM
 VERTICAL N/A
 HORIZONTAL N/A

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 102+25 - STA. 103+85.77 (SOLID LT & RT)
 STA. 0+00 - STA. 13+50 (SOLID LT & RT)
 (WITH BREAKS AT TOWN ROADS)
 STA. 6+97 RT (EDGE LINES TH #50)
 STA. 7+30 LT (EDGE LINES TH #47)

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 STA. 22+09.5 - STA. 24+34.5 RT
 STA. 22+50.5 - STA. 26+13 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 13+50 - STA. 28+25 (SOLID LT & RT)

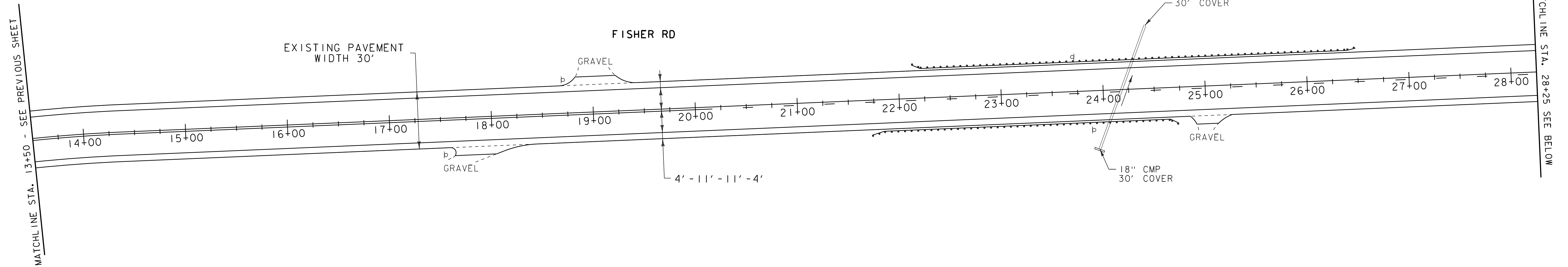
TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 13+50 - STA. 28+25 (SOLID LT & RT)

MANUFACTURED TERMINAL SECTION, FLARED ANCHOR FOR STEEL BEAM G.R.
 STA. 21+72 - STA. 22+09.5 RT
 STA. 22+13 - STA. 22+50.5 LT
~~STA. 24+34.5 - STA. 24+72 RT~~
 STA. 26+13 - STA. 26+50.5 LT

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 13+50 - STA. 20+07 (SOLID LT & RT, CENTERLINE)
 STA. 20+07 - STA. 28+25 (SOLID LT, DASHED RT, CENTERLINE)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 13+50 - STA. 20+07 (SOLID LT & RT, CENTERLINE)
 STA. 20+07 - STA. 28+25 (SOLID LT, DASHED RT, CENTERLINE)

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 21+72 - STA. 24+72 RT
 STA. 22+13 - STA. 26+50.5 LT



STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 STA. 30+56 - STA. 30+81 RT
 STA. 30+56 - STA. 30+81 LT
 STA. 32+18.5 - STA. 34+31 RT
 STA. 32+18.5 - STA. 33+06 LT

HD STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 STA. 30+81 - STA. 31+06 RT
 STA. 30+81 - STA. 31+06 LT
 STA. 31+93.5 - STA. 32+18.5 LT
 STA. 31+93.5 - STA. 32+18.5 RT

NOTE:
 EXTENDED 15' ON EACH CORNER

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 28+25 - STA. 42+75 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 28+25 - STA. 42+75 (SOLID LT & RT)

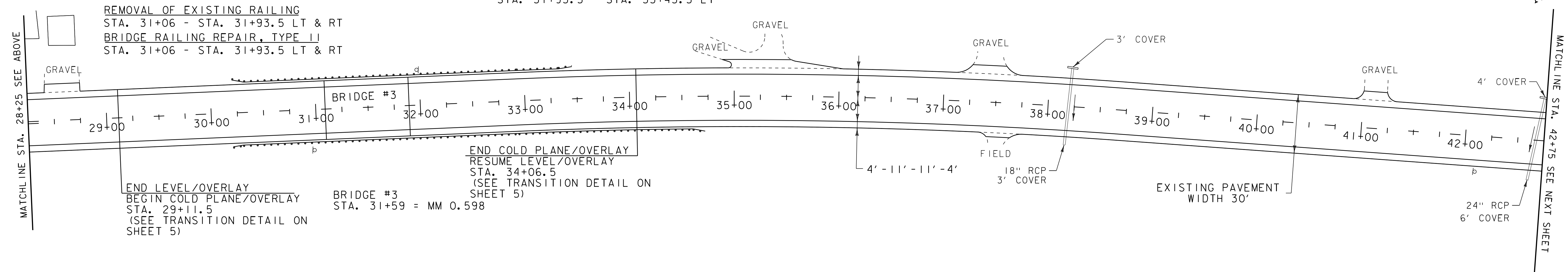
MANUFACTURED TERMINAL SECTION, FLARED
 STA. 30+18.5 - STA. 30+56 RT
 STA. 30+18.5 - STA. 30+56 LT
 STA. 33+06 - STA. 33+43.5 LT
 STA. 34+31 - STA. 34+68.5 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 30+18.5 - STA. 31+06 LT & RT
 STA. 31+93.5 - STA. 34+68.5 RT
 STA. 31+93.5 - STA. 33+43.5 LT

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 28+25 - STA. 42+75 (DASHED, CENTERLINE)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 28+25 - STA. 42+75 (DASHED, CENTERLINE)

REMOVAL OF EXISTING RAILING
 STA. 31+06 - STA. 31+93.5 LT & RT
 BRIDGE RAILING REPAIR, TYPE II
 STA. 31+06 - STA. 31+93.5 LT & RT



END LEVEL/OVERLAY
 BEGIN COLD PLANE/OVERLAY
 STA. 29+11.5
 (SEE TRANSITION DETAIL ON SHEET 5)

BRIDGE #3
 STA. 31+59 = MM 0.598

END COLD PLANE/OVERLAY
 RESUME LEVEL/OVERLAY
 STA. 34+06.5
 (SEE TRANSITION DETAIL ON SHEET 5)

- LEGEND
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN

DATUM
 VERTICAL N/A
 HORIZONTAL N/A

NOT TO SCALE

PROJECT LAYOUT SHEET 5

PROJECT NAME: CAMBRIDGE - FAIRFAX

PROJECT NUMBER: STP 2713(I)

FILE NAME: p07B182.dgn

PROJECT LEADER: CDL

DESIGNED BY: SJL

PLOT FILE: p07B182_23.i

PLOT DATE: 29-DEC-2014 13:46

DRAWN BY: SJL

CHECKED BY: EPD

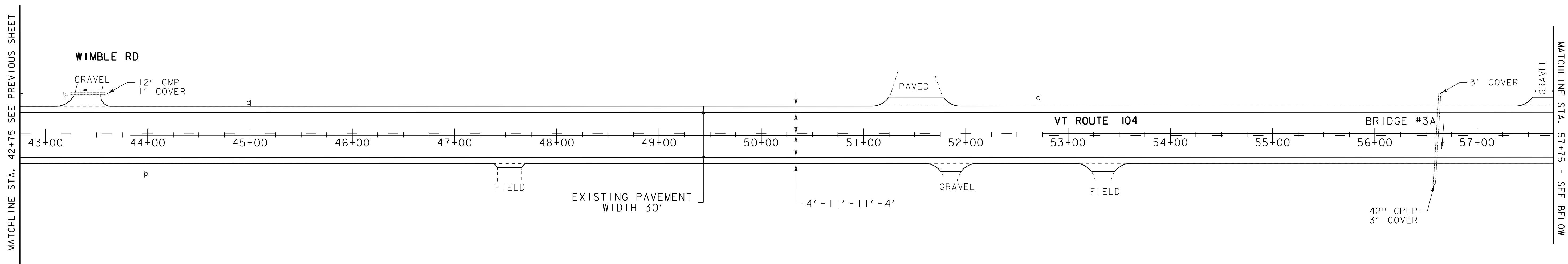
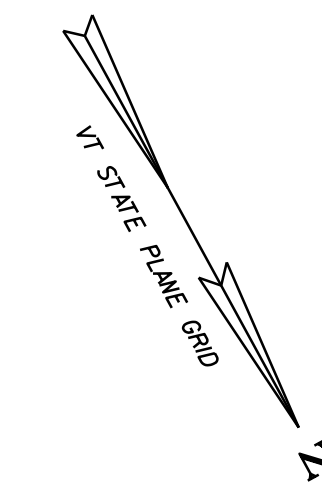
SHEET 23 OF 36

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 42+75 - STA. 57+75 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 42+75 - STA. 57+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 42+75 - STA. 43+83 (DASHED, CENTERLINE)
 STA. 43+83 - STA. 51+75 (DASHED LT, SOLID RT, CENTERLINE)
 STA. 51+75 - STA. 52+81 (DASHED, CENTERLINE)
 STA. 52+81 - STA. 57+75 (SOLID LT, DASHED RT, CENTERLINE)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 42+75 - STA. 43+83 (DASHED, CENTERLINE)
 STA. 43+83 - STA. 51+75 (DASHED LT, SOLID RT, CENTERLINE)
 STA. 51+75 - STA. 52+81 (DASHED, CENTERLINE)
 STA. 52+81 - STA. 57+75 (SOLID LT, DASHED RT, CENTERLINE)

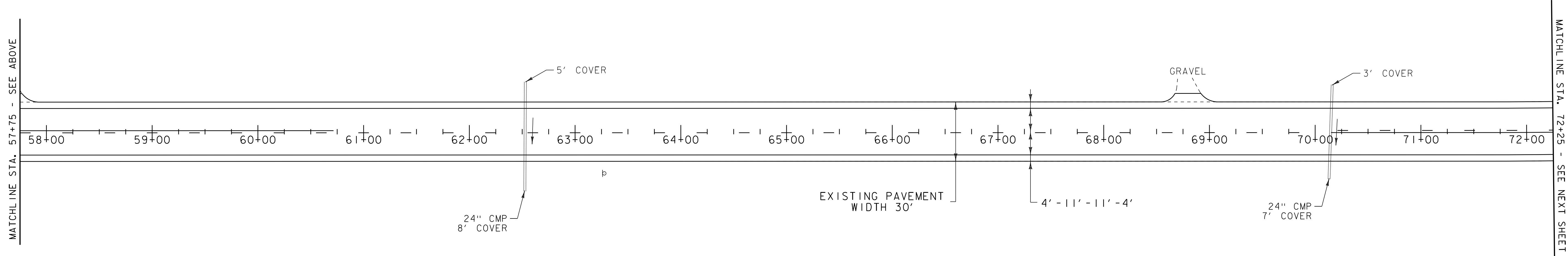
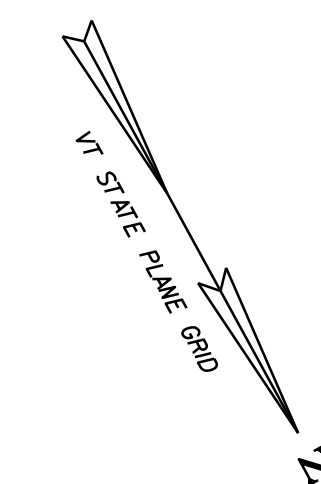


DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 57+75 - STA. 72+25 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 57+75 - STA. 72+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 57+75 - STA. 60+71 (SOLID LT, DASHED RT, CENTERLINE)
 STA. 60+71 - STA. 70+21 (DASHED, CENTERLINE)
 STA. 70+21 - STA. 72+25 (DASHED LT, SOLID RT, CENTERLINE)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 57+75 - STA. 60+71 (SOLID LT, DASHED RT, CENTERLINE)
 STA. 60+71 - STA. 70+21 (DASHED, CENTERLINE)
 STA. 70+21 - STA. 72+25 (DASHED LT, SOLID RT, CENTERLINE)



- LEGEND**
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT LAYOUT SHEET 6	PROJECT NAME: CAMBRIDGE - FAIRFAX
	PROJECT NUMBER: STP 2713(I)
	FILE NAME: p07B182.dgn
	PLOT DATE: 29-DEC-2014 13:46
	PROJECT LEADER: CDL
	DESIGNED BY: SJL
	PLOT FILE: p07B182_24.i
	DRAWN BY: SJL
	CHECKED BY: EPD
	SHEET 24 OF 36

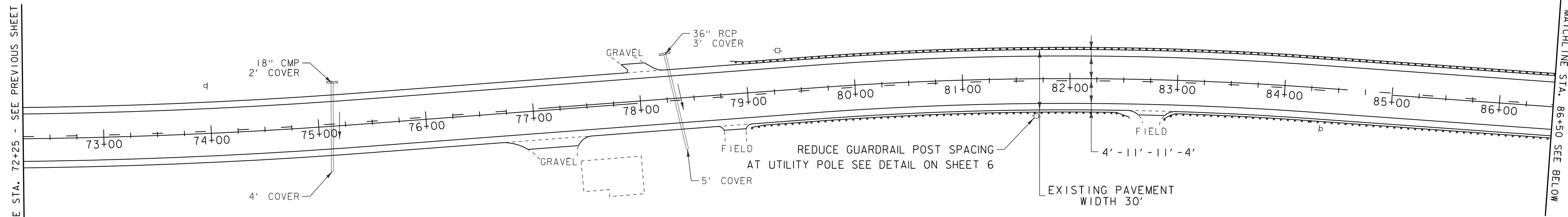
NOT TO SCALE

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 72+25 - STA. 86+50 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 72+25 - STA. 86+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 72+25 - STA. 77+09 (DASHED LT, SOLID RT, CENTERLINE)
 STA. 77+09 - STA. 77+87 (SOLID LT & RT, CENTERLINE)
 STA. 77+87 - STA. 84+48 (SOLID LT, DASHED RT, CENTERLINE)
 STA. 84+48 - STA. 85+00 (DASHED, CENTERLINE)
 STA. 85+00 - STA. 86+50 (DASHED LT, SOLID RT, CENTERLINE)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 72+25 - STA. 77+09 (DASHED LT, SOLID RT, CENTERLINE)
 STA. 77+09 - STA. 77+87 (SOLID LT & RT, CENTERLINE)
 STA. 77+87 - STA. 84+48 (SOLID LT, DASHED RT, CENTERLINE)
 STA. 84+48 - STA. 85+00 (DASHED, CENTERLINE)
 STA. 85+00 - STA. 86+50 (DASHED LT, SOLID RT, CENTERLINE)



STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS

STA. 79+24.5 - STA. 86+50 LT
 STA. 79+40.5 - STA. 82+53 RT
 STA. 82+88 - STA. 86+50 RT

MANUFACTURED TERMINAL SECTION, FLARED

STA. 78+87 - STA. 79+24.5 LT
 STA. 79+03 - STA. 79+40.5 RT

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 79+03 - STA. 82+53 RT
 STA. 82+88 - STA. 86+50 RT
 STA. 78+87 - STA. 86+50 LT

ANCHOR FOR STEEL BEAM RAIL

STA. 82+53 RT
 STA. 82+88 RT

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)

STA. 86+50 - STA. 100+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)

STA. 86+50 - STA. 92+93 (DASHED LT, SOLID RT, CENTERLINE)
 STA. 92+93 - STA. 100+75 (SOLID LT & RT, CENTERLINE)

TEMPORARY 4 INCH WHITE LINE, PAINT

STA. 86+50 - STA. 100+75 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT

STA. 86+50 - STA. 92+93 (DASHED LT, SOLID RT, CENTERLINE)
 STA. 92+93 - STA. 100+75 (SOLID LT & RT, CENTERLINE)

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS

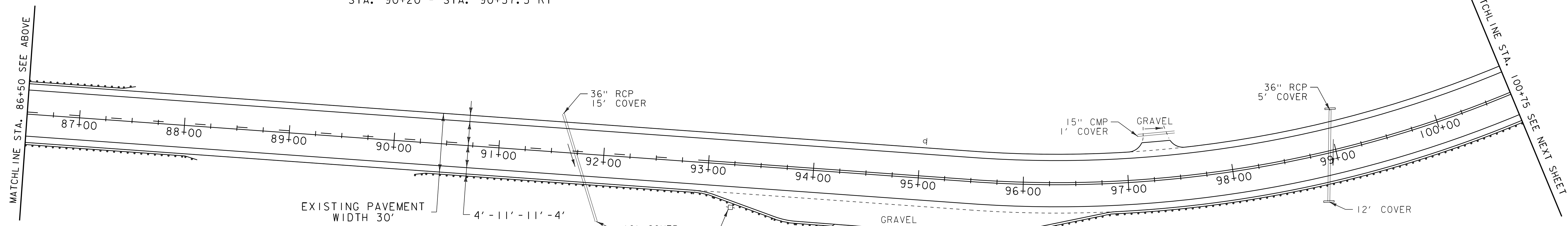
STA. 86+50 - STA. 87+12 LT
 STA. 86+50 - STA. 87+75.5 RT
 STA. 90+57.5 - STA. 100+75 RT

MANUFACTURED TERMINAL SECTION, FLARED

STA. 87+12 - STA. 87+49.5 LT
 STA. 87+75.5 - STA. 88+13 RT
 STA. 90+20 - STA. 90+57.5 RT

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 86+50 - STA. 87+49.5 LT
 STA. 86+50 - STA. 88+13 RT
 STA. 90+20 - STA. 100+75 RT



- LEGEND**
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT LAYOUT SHEET 7	PROJECT NAME: CAMBRIDGE - FAIRFAX
	PROJECT NUMBER: STP 2713(I)
	FILE NAME: p07B182.dgn
	PLOT DATE: 29-DEC-2014 13:46
	PROJECT LEADER: CDL
	DESIGNED BY: SJL
	PLOT FILE: p07B182_25.i
	CHECKED BY: EPD
	SHEET 25 OF 36

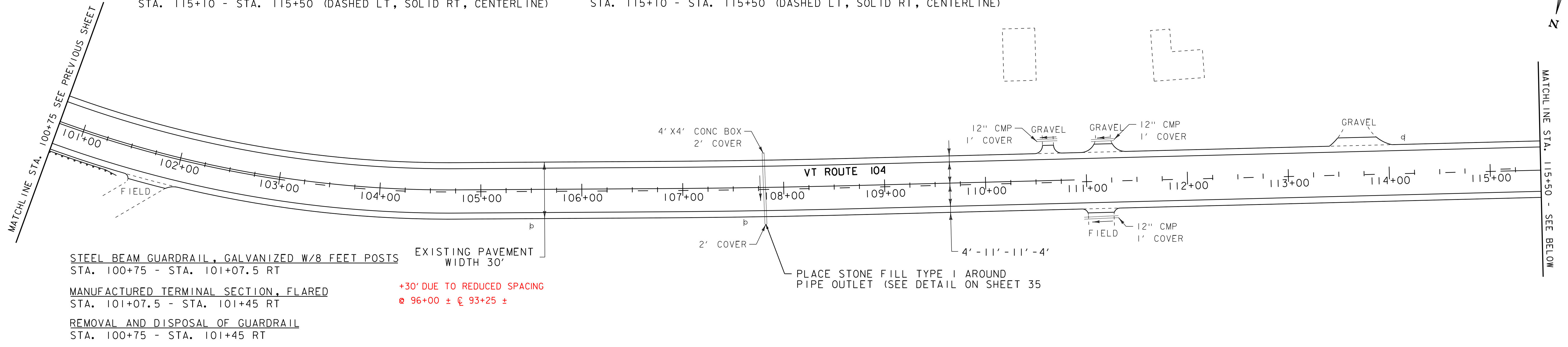
NOT TO SCALE

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 100+75 - STA. 115+50 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 100+75 - STA. 115+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 100+75 - STA. 102+96 (SOLID LT & RT, CENTERLINE)
 STA. 102+96 - STA. 110+88 (SOLID LT, DASHED RT, CENTERLINE)
 STA. 110+88 - STA. 115+10 (DASHED, CENTERLINE)
 STA. 115+10 - STA. 115+50 (DASHED LT, SOLID RT, CENTERLINE)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 100+75 - STA. 102+96 (SOLID LT & RT, CENTERLINE)
 STA. 102+96 - STA. 110+88 (SOLID LT, DASHED RT, CENTERLINE)
 STA. 110+88 - STA. 115+10 (DASHED, CENTERLINE)
 STA. 115+10 - STA. 115+50 (DASHED LT, SOLID RT, CENTERLINE)



STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 STA. 100+75 - STA. 101+07.5 RT

MANUFACTURED TERMINAL SECTION, FLARED
 STA. 101+07.5 - STA. 101+45 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 100+75 - STA. 101+45 RT

EXISTING PAVEMENT WIDTH 30'

+30' DUE TO REDUCED SPACING
 @ 96+00 ± @ 93+25 ±

PLACE STONE FILL TYPE I AROUND PIPE OUTLET (SEE DETAIL ON SHEET 35)

DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)
 STA. 119+20 - STA. 119+60 LT (TH #4)

DURABLE LETTER OR SYMBOL (SEE OPTION ITEMS)
 STA. 119+48 LT "STOP" (TH #4)

TEMPORARY 24 INCH STOP BAR, PAINT
 STA. 119+20 - STA. 119+60 LT (TH #4)

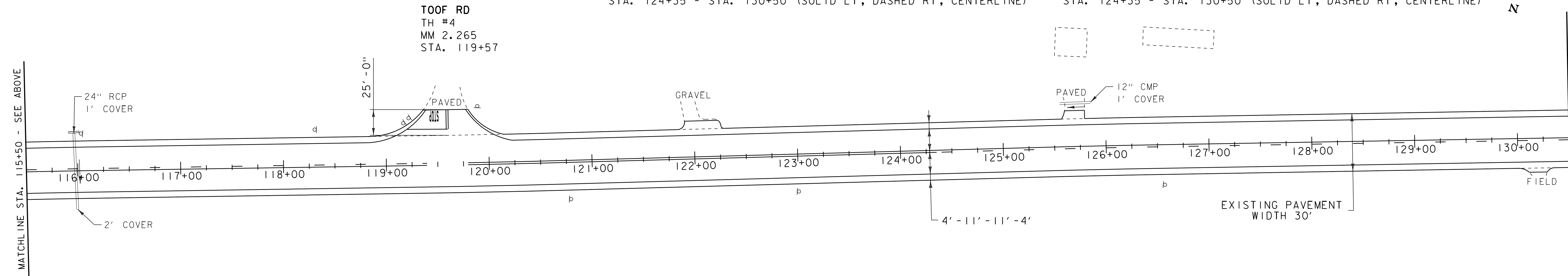
TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 119+48 LT "STOP" (TH #4)

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 115+50 - STA. 130+50 (SOLID LT & RT)
 STA. 119+57 LT (EDGELINES TH #4)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 115+50 - STA. 119+45 (DASHED LT, SOLID RT, CENTERLINE) (WITH BREAKS AT TOWN ROADS)
 STA. 119+45 - STA. 124+35 (SOLID LT & RT, CENTERLINE) (WITH BREAKS AT TOWN ROADS)
 STA. 119+57 LT (CENTERLINE TH #4)
 STA. 124+35 - STA. 130+50 (SOLID LT, DASHED RT, CENTERLINE)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 115+50 - STA. 130+50 (SOLID LT & RT)
 STA. 119+57 LT (EDGELINES TH #4)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 115+50 - STA. 119+45 (DASHED LT, SOLID RT, CENTERLINE) (WITH BREAKS AT TOWN ROADS)
 STA. 119+45 - STA. 124+35 (SOLID LT & RT, CENTERLINE) (WITH BREAKS AT TOWN ROADS)
 STA. 119+57 LT (CENTERLINE TH #4)
 STA. 124+35 - STA. 130+50 (SOLID LT, DASHED RT, CENTERLINE)



TOOF RD
 TH #4
 MM 2.265
 STA. 119+57

- LEGEND
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PROJECT LAYOUT SHEET 8	PROJECT NAME: CAMBRIDGE - FAIRFAX
	PROJECT NUMBER: STP 2713(I)
	FILE NAME: p07B182.dgn
	PLOT DATE: 29-DEC-2014 13:46
DESIGNED BY: SJL	DRAWN BY: SJL
PLOT FILE: p07B182.26.1	CHECKED BY: EPD
	SHEET 26 OF 36

STEEL BEAM GUARDRAIL, GALVANIZED

STA. 136+52 - STA. 144+75 LT
STA. 142+66.5 - STA. 144+75 RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS

STA. 134+10 - STA. 136+22.5 LT
STA. 134+59.5 - STA. 139+09.5 RT

MANUFACTURED TERMINAL SECTION, FLARED

STA. 133+72.5 - STA. 134+10 LT
STA. 134+22 - STA. 134+59.5 RT
STA. 139+09.5 - STA. 139+47 RT
STA. 142+29 - STA. 142+66.5 RT

REMOVAL AND DISPOSAL OF GUARDRAIL

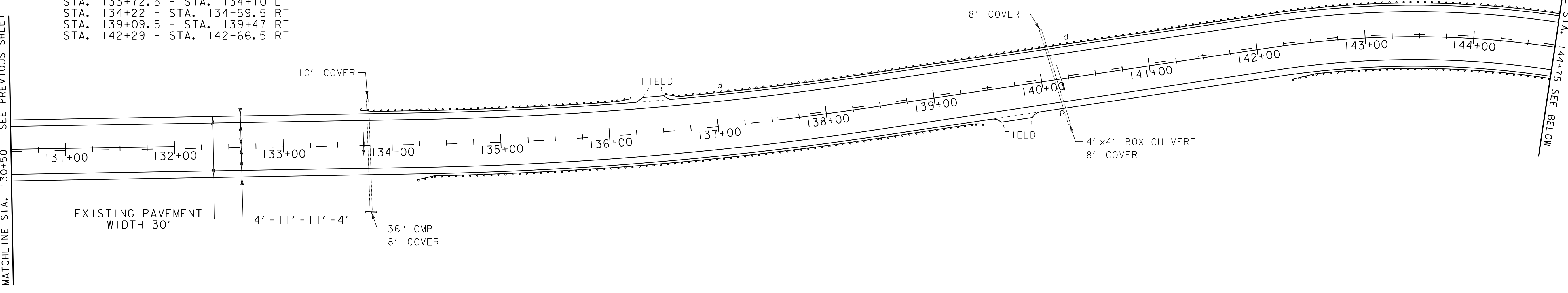
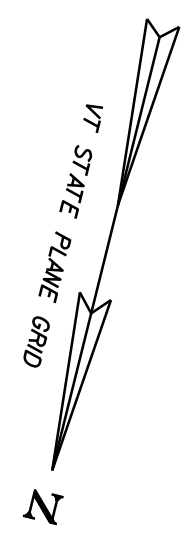
STA. 133+72.5 - STA. 136+22.5 LT
STA. 134+22 - STA. 139+47 RT
STA. 136+52 - STA. 144+75 LT
STA. 142+29 - STA. 144+75 RT

ANCHOR FOR STEEL BEAM RAIL

STA. 136+22.5 LT
STA. 136+52 LT

MATCHLINE STA. 130+50 - SEE PREVIOUS SHEET

MATCHLINE STA. 144+75 SEE BELOW



DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)

STA. 130+50 - STA. 144+75 (SOLID LT & RT)

TEMPORARY 4 INCH WHITE LINE, PAINT

STA. 130+50 - STA. 144+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)

STA. 130+50 - STA. 132+00 (SOLID LT, DASHED RT, CENTERLINE)
STA. 132+00 - STA. 137+55 (DASHED, CENTERLINE)
STA. 137+55 - STA. 144+75 (DASHED LT, SOLID RT, CENTERLINE)

TEMPORARY 4 INCH YELLOW LINE, PAINT

STA. 130+50 - STA. 132+00 (SOLID LT, DASHED RT, CENTERLINE)
STA. 132+00 - STA. 137+55 (DASHED, CENTERLINE)
STA. 137+55 - STA. 144+75 (DASHED LT, SOLID RT, CENTERLINE)

STEEL BEAM GUARDRAIL, GALVANIZED

STA. 144+75 - STA. 145+14.5 LT
STA. 144+75 - STA. 145+91.5 RT
STA. 153+81 - STA. 158+81 RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS

STA. 148+81 - STA. 153+81 RT
STA. 153+93.5 - STA. 155+68.5 LT

MANUFACTURED TERMINAL SECTION, FLARED

STA. 145+14.5 - STA. 145+52 LT
STA. 153+56 - STA. 153+93.5 LT
STA. 155+68.5 - STA. 156+06 LT
STA. 158+81 - STA. 159+18.5 RT

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)

STA. 144+75 - STA. 159+75 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)

STA. 144+75 - STA. 145+19 (DASHED LT, SOLID RT, CENTERLINE)
STA. 145+19 - STA. 159+75 (SOLID LT & RT, CENTERLINE)

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 144+75 - STA. 145+39.5 LT
STA. 144+75 - STA. 145+91.5 RT
STA. 148+81 - STA. 159+18.5 RT
STA. 153+56 - STA. 156+06 LT

ANCHOR FOR STEEL BEAM RAIL

STA. 145+91.5 RT
STA. 148+81 RT

TEMPORARY 4 INCH WHITE LINE, PAINT

STA. 144+75 - STA. 159+75 (SOLID LT & RT)

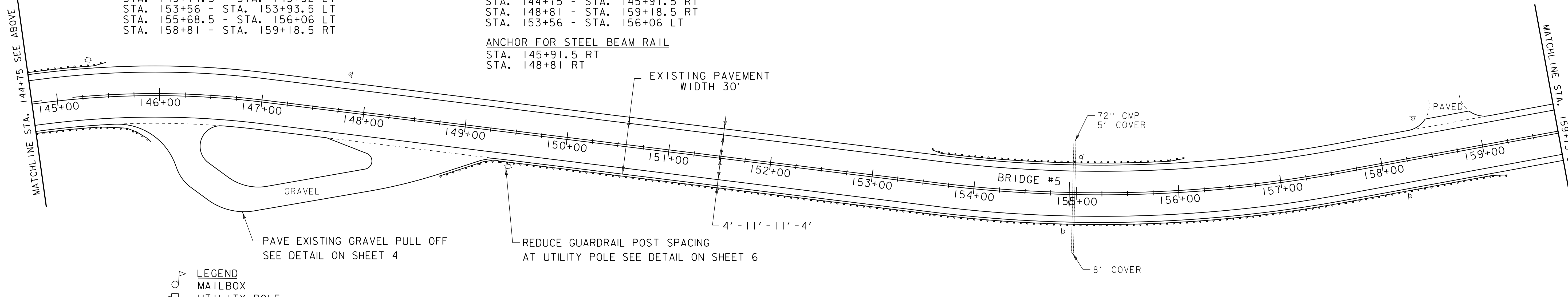
TEMPORARY 4 INCH YELLOW LINE, PAINT

STA. 144+75 - STA. 145+19 (DASHED LT, SOLID RT, CENTERLINE)
STA. 145+19 - STA. 159+75 (SOLID LT & RT, CENTERLINE)

MATCHLINE STA. 144+75 SEE ABOVE



MATCHLINE STA. 159+75 SEE NEXT SHEET



- LEGEND**
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

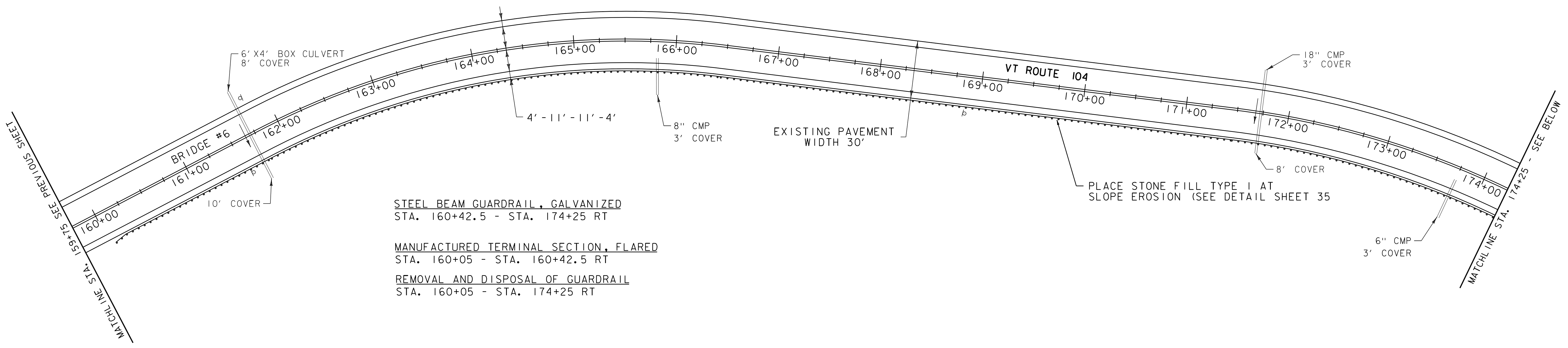
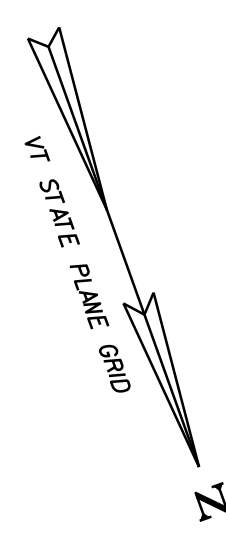
PROJECT LAYOUT SHEET 9	PROJECT NAME: CAMBRIDGE - FAIRFAX
	PROJECT NUMBER: STP 2713(I)
	FILE NAME: p07B182.dgn
	PLOT DATE: 29-DEC-2014 13:46
DESIGNED BY: SJL	DRAWN BY: SJL
PLOT FILE: p07B182.27.1	CHECKED BY: EPD
	SHEET 27 OF 36

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 159+75 - STA. 174+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 159+75 - STA. 174+25 (SOLID LT & RT, CENTERLINE)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 159+75 - STA. 174+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 159+75 - STA. 174+25 (SOLID LT & RT, CENTERLINE)



STEEL BEAM GUARDRAIL, GALVANIZED
 STA. 160+42.5 - STA. 174+25 RT

MANUFACTURED TERMINAL SECTION, FLARED
 STA. 160+05 - STA. 160+42.5 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 160+05 - STA. 174+25 RT

PLAINS RD
 TH #45
 MM 3.320
 STA. 175+32

DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)
 STA. 174+93 - STA. 175+27 LT (TH #45)
 STA. 184+01 - STA. 184+37 RT (TH #51)

DURABLE LETTER OR SYMBOL (SEE OPTION ITEMS)
 STA. 175+13 LT "STOP" (TH #45)
 STA. 184+13 RT "STOP" (TH #51)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 174+25 - STA. 188+50 (SOLID LT & RT)
 (WITH BREAKS AT TOWN ROADS)
 STA. 175+28 LT (EDGELINES TH #45)
 STA. 184+02 RT (EDGELINES TH #51)

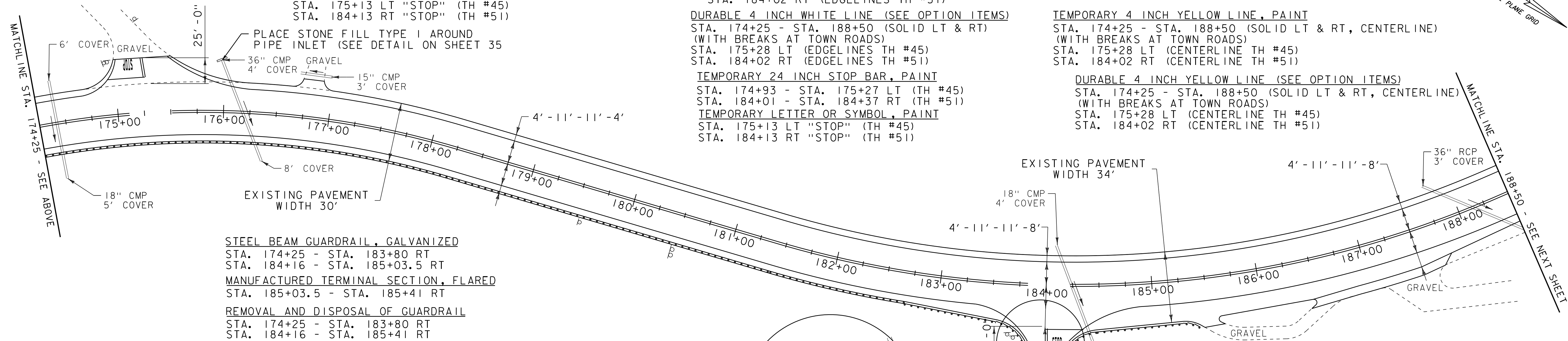
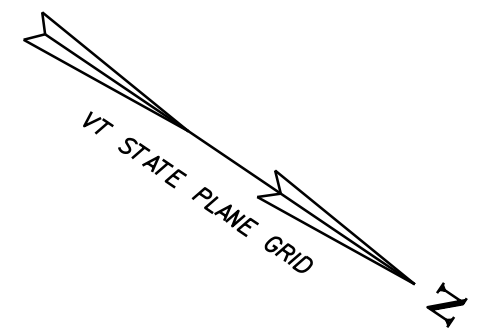
DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 174+25 - STA. 188+50 (SOLID LT & RT)
 (WITH BREAKS AT TOWN ROADS)
 STA. 175+28 LT (EDGELINES TH #45)
 STA. 184+02 RT (EDGELINES TH #51)

TEMPORARY 24 INCH STOP BAR, PAINT
 STA. 174+93 - STA. 175+27 LT (TH #45)
 STA. 184+01 - STA. 184+37 RT (TH #51)

TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 175+13 LT "STOP" (TH #45)
 STA. 184+13 RT "STOP" (TH #51)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 174+25 - STA. 188+50 (SOLID LT & RT, CENTERLINE)
 (WITH BREAKS AT TOWN ROADS)
 STA. 175+28 LT (CENTERLINE TH #45)
 STA. 184+02 RT (CENTERLINE TH #51)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 174+25 - STA. 188+50 (SOLID LT & RT, CENTERLINE)
 (WITH BREAKS AT TOWN ROADS)
 STA. 175+28 LT (CENTERLINE TH #45)
 STA. 184+02 RT (CENTERLINE TH #51)



STEEL BEAM GUARDRAIL, GALVANIZED
 STA. 174+25 - STA. 183+80 RT
 STA. 184+16 - STA. 185+03.5 RT

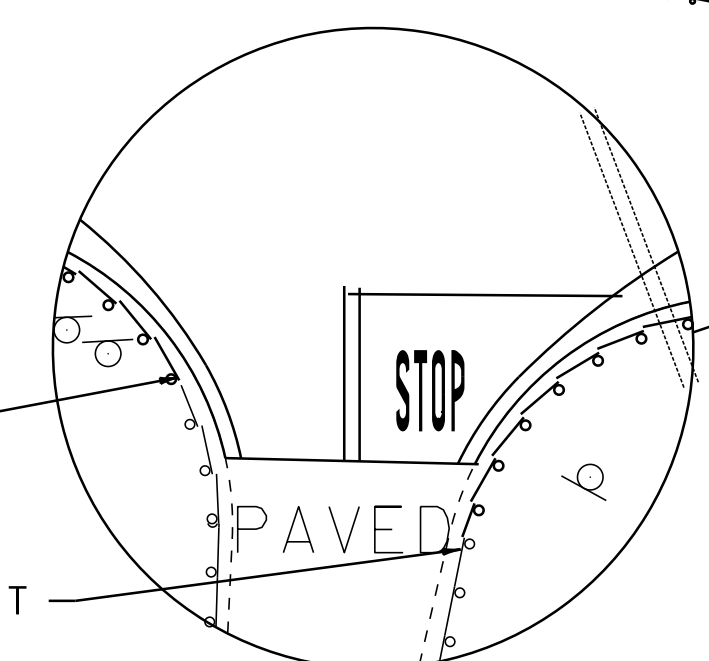
MANUFACTURED TERMINAL SECTION, FLARED
 STA. 185+03.5 - STA. 185+41 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 174+25 - STA. 183+80 RT
 STA. 184+16 - STA. 185+41 RT

- LEGEND**
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN

STA. 183+80 RT CONNECT
 TO EXISTING GUARDRAIL

STA. 184+16 RT CONNECT
 TO EXISTING GUARDRAIL



RIVER RD
 TH #51
 MM 3.485
 STA. 184+02

NOT TO SCALE

PROJECT LAYOUT SHEET 10

PROJECT NAME: CAMBRIDGE - FAIRFAX

PROJECT NUMBER: STP 2713(I)

FILE NAME: p07B182.dgn
 PROJECT LEADER: CDL
 DESIGNED BY: SJL
 PLOT FILE: p07B182.28.i

PLOT DATE: 29-DEC-2014 13:46
 DRAWN BY: SJL
 CHECKED BY: EPD
 SHEET 28 OF 36

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

REHAB, DROP INLETS, CATCH BASINS, OR
MANHOLES, CLASS I OR CLASS II
STA. 192+97 RT

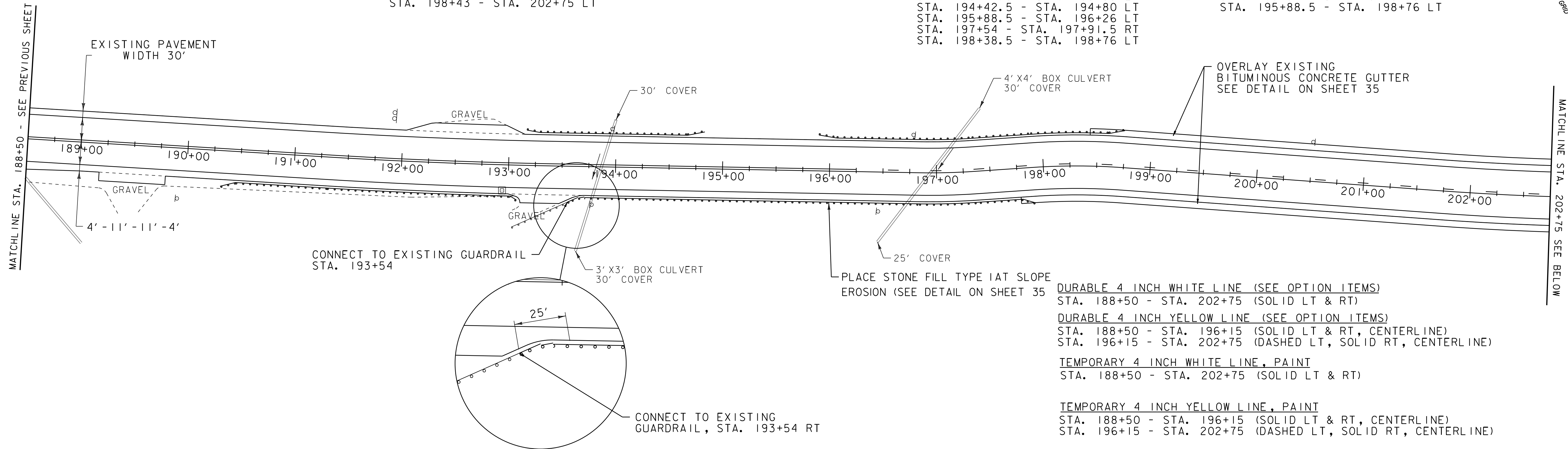
TREATED TIMBER CURB
STA. 190+75 - STA. 193+00 RT
STA. 193+55 - STA. 194+85 RT
STA. 195+50 - STA. 197+70 RT
BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. 197+77 - STA. 202+75 RT
STA. 198+43 - STA. 202+75 LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 193+55 - STA. 194+42.5 LT
STA. 196+26 - STA. 198+38.5 LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 190+69.5 - STA. 192+69.5 RT
STA. 193+54 - STA. 197+54 RT

MANUFACTURED TERMINAL SECTION, FLARED
STA. 190+32 - STA. 190+69.5 RT
STA. 192+69.5 - STA. 193+07 RT
STA. 193+17.5 - STA. 193+55 LT
STA. 194+42.5 - STA. 194+80 LT
STA. 195+88.5 - STA. 196+26 LT
STA. 197+54 - STA. 197+91.5 RT
STA. 198+38.5 - STA. 198+76 LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 190+32 - STA. 193+07 RT
STA. 193+17 - STA. 194+80 LT
STA. 193+54 - STA. 197+91.5 RT
STA. 195+88.5 - STA. 198+76 LT



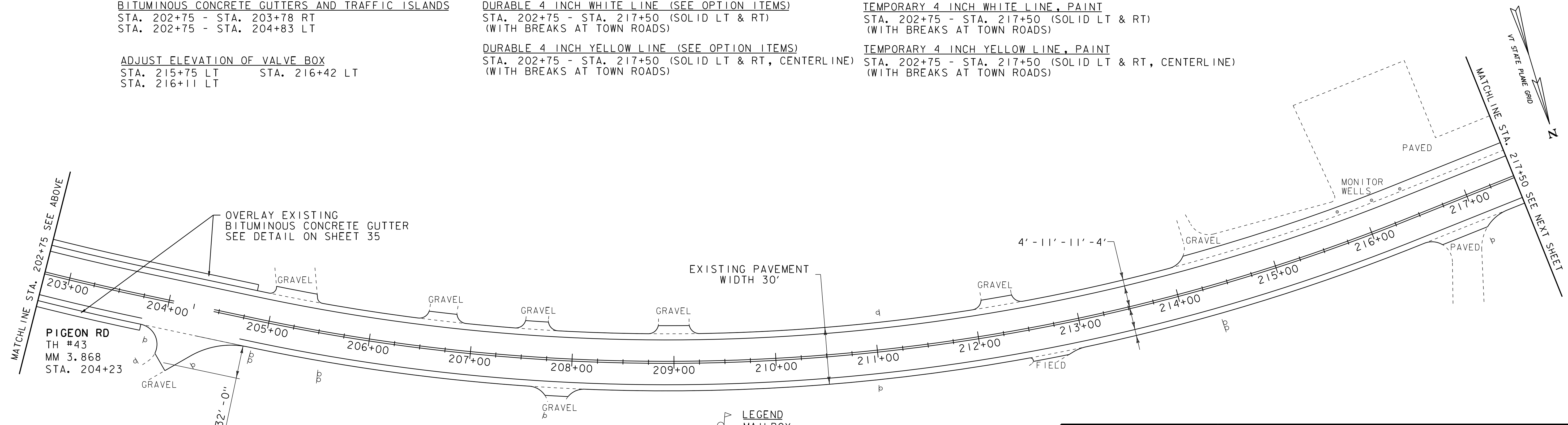
DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 188+50 - STA. 202+75 (SOLID LT & RT)
DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 188+50 - STA. 196+15 (SOLID LT & RT, CENTERLINE)
STA. 196+15 - STA. 202+75 (DASHED LT, SOLID RT, CENTERLINE)
TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 188+50 - STA. 202+75 (SOLID LT & RT)
TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 188+50 - STA. 196+15 (SOLID LT & RT, CENTERLINE)
STA. 196+15 - STA. 202+75 (DASHED LT, SOLID RT, CENTERLINE)

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. 202+75 - STA. 203+78 RT
STA. 202+75 - STA. 204+83 LT

ADJUST ELEVATION OF VALVE BOX
STA. 215+75 LT STA. 216+42 LT
STA. 216+11 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 202+75 - STA. 217+50 (SOLID LT & RT)
(WITH BREAKS AT TOWN ROADS)
DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 202+75 - STA. 217+50 (SOLID LT & RT, CENTERLINE)
(WITH BREAKS AT TOWN ROADS)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 202+75 - STA. 217+50 (SOLID LT & RT)
(WITH BREAKS AT TOWN ROADS)
TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 202+75 - STA. 217+50 (SOLID LT & RT, CENTERLINE)
(WITH BREAKS AT TOWN ROADS)

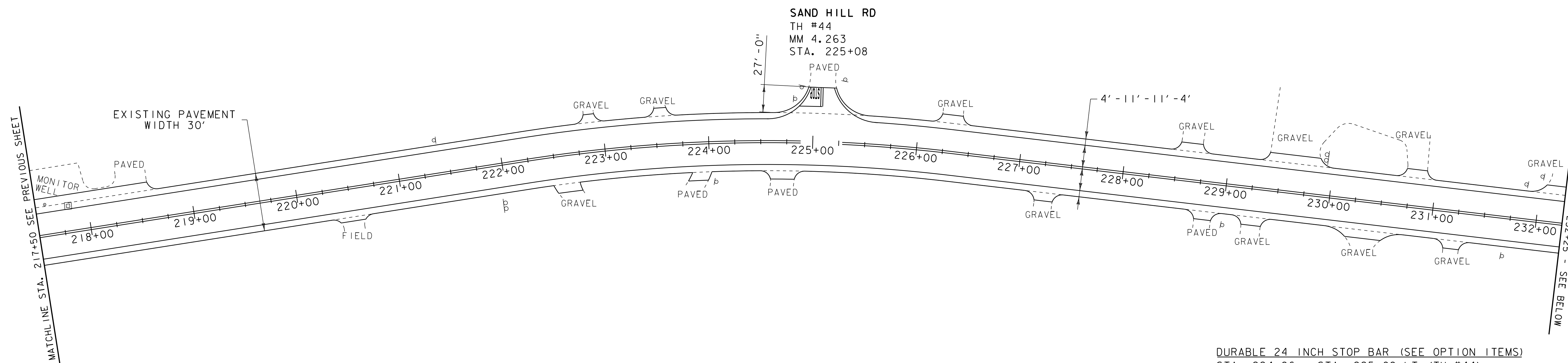
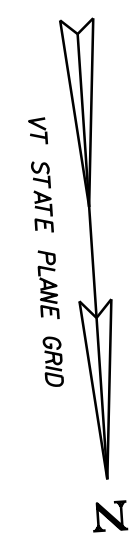


- LEGEND
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN
- NOT TO SCALE**

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT LAYOUT SHEET 11

PROJECT NAME:	CAMBRIDGE - FAIRFAX
PROJECT NUMBER:	STP 2713(I)
FILE NAME:	p07B182.dgn
PROJECT LEADER:	CDL
DESIGNED BY:	SJL
PLOT FILE:	p07B182.29.t
PLOT DATE:	29-DEC-2014 13:46
DRAWN BY:	SJL
CHECKED BY:	EPD
SHEET	29 OF 36



REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I OR CLASS II
STA. 217+81 LT

ADJUST ELEVATION OF VALVE BOX
STA. 217+59 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 217+50 - STA. 232+25 (SOLID LT & RT)
(WITH BREAKS AT TOWN ROADS)
STA. 225+08 LT (EDGE LINES TH #44)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 217+50 - STA. 232+25 (SOLID LT & RT, CENTERLINE)
(WITH BREAKS AT TOWN ROADS)
STA. 225+08 LT (CENTERLINE TH #44)

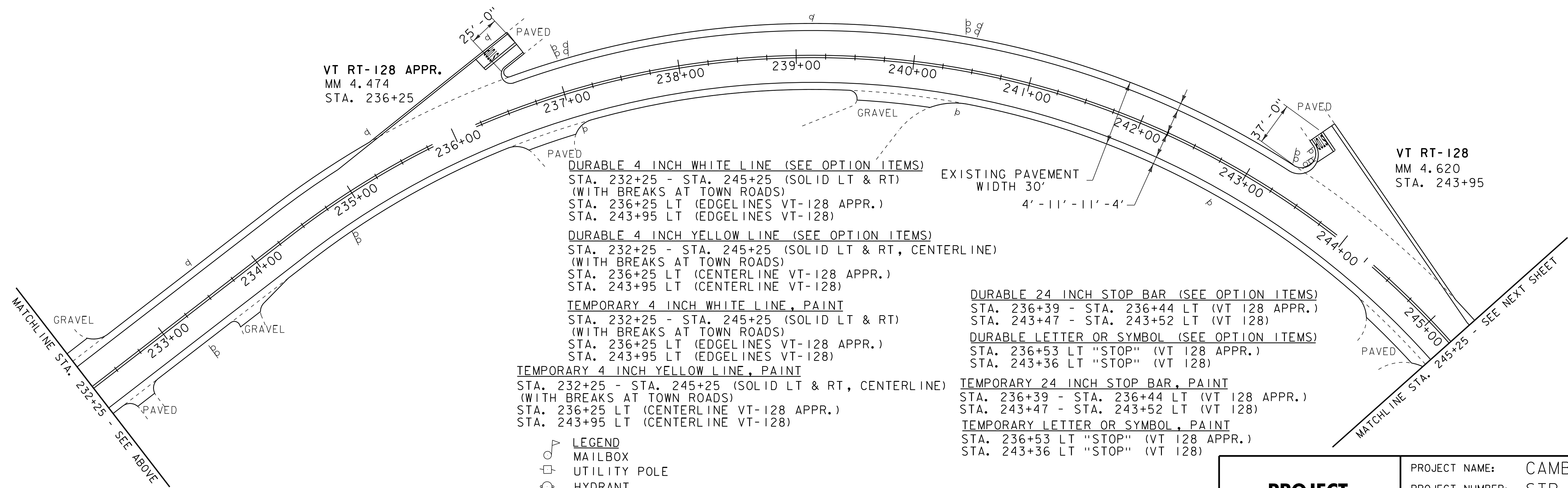
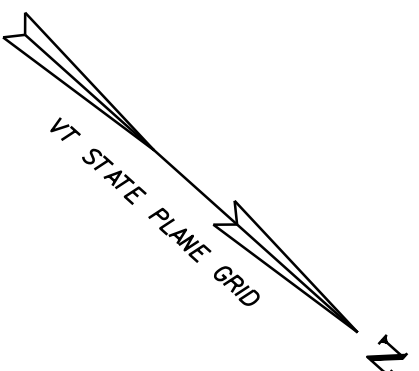
TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 217+50 - STA. 232+25 (SOLID LT & RT)
(WITH BREAKS AT TOWN ROADS)
STA. 225+08 LT (EDGE LINES TH #44)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 217+50 - STA. 232+25 (SOLID LT & RT, CENTERLINE)
(WITH BREAKS AT TOWN ROADS)
STA. 225+08 LT (CENTERLINE TH #44)

DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)
STA. 224+86 - STA. 225+08 LT (TH #44)
DURABLE LETTER OR SYMBOL (SEE OPTION ITEMS)
STA. 225+00 LT "STOP" (TH #44)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 224+86 - STA. 225+08 LT (TH #44)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 225+00 LT "STOP" (TH #44)



DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 232+25 - STA. 245+25 (SOLID LT & RT)
(WITH BREAKS AT TOWN ROADS)
STA. 236+25 LT (EDGE LINES VT-128 APPR.)
STA. 243+95 LT (EDGE LINES VT-128)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 232+25 - STA. 245+25 (SOLID LT & RT, CENTERLINE)
(WITH BREAKS AT TOWN ROADS)
STA. 236+25 LT (CENTERLINE VT-128 APPR.)
STA. 243+95 LT (CENTERLINE VT-128)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 232+25 - STA. 245+25 (SOLID LT & RT)
(WITH BREAKS AT TOWN ROADS)
STA. 236+25 LT (EDGE LINES VT-128 APPR.)
STA. 243+95 LT (EDGE LINES VT-128)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 232+25 - STA. 245+25 (SOLID LT & RT, CENTERLINE)
(WITH BREAKS AT TOWN ROADS)
STA. 236+25 LT (CENTERLINE VT-128 APPR.)
STA. 243+95 LT (CENTERLINE VT-128)

EXISTING PAVEMENT WIDTH 30'
4' - 11' - 11' - 4'

DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)
STA. 236+39 - STA. 236+44 LT (VT 128 APPR.)
STA. 243+47 - STA. 243+52 LT (VT 128)
DURABLE LETTER OR SYMBOL (SEE OPTION ITEMS)
STA. 236+53 LT "STOP" (VT 128 APPR.)
STA. 243+36 LT "STOP" (VT 128)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 236+39 - STA. 236+44 LT (VT 128 APPR.)
STA. 243+47 - STA. 243+52 LT (VT 128)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 236+53 LT "STOP" (VT 128 APPR.)
STA. 243+36 LT "STOP" (VT 128)

- LEGEND
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PROJECT LAYOUT SHEET 12

PROJECT NAME:	CAMBRIDGE - FAIRFAX
PROJECT NUMBER:	STP 2713(I)
FILE NAME:	p07B182.dgn
PROJECT LEADER:	CDL
DESIGNED BY:	SJL
PLOT FILE:	p07B182_30.i
PLOT DATE:	29-DEC-2014 13:46
DRAWN BY:	SJL
CHECKED BY:	EPD
SHEET	30 OF 36

REHAB. DROP INLETS, CATCH BASINS, OR
MANHOLES, CLASS I OR CLASS II

STA. 249+65 LT
STA. 252+06 LT
STA. 253+70 LT
STA. 255+78 LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 253+70 - STA. 259+57.5 RT

ANCHOR FOR STEEL BEAM RAIL

STA. 253+70 RT
STA. 259+57.5 RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 253+70 - STA. 259+45 RT

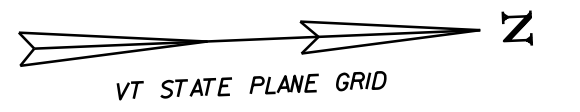
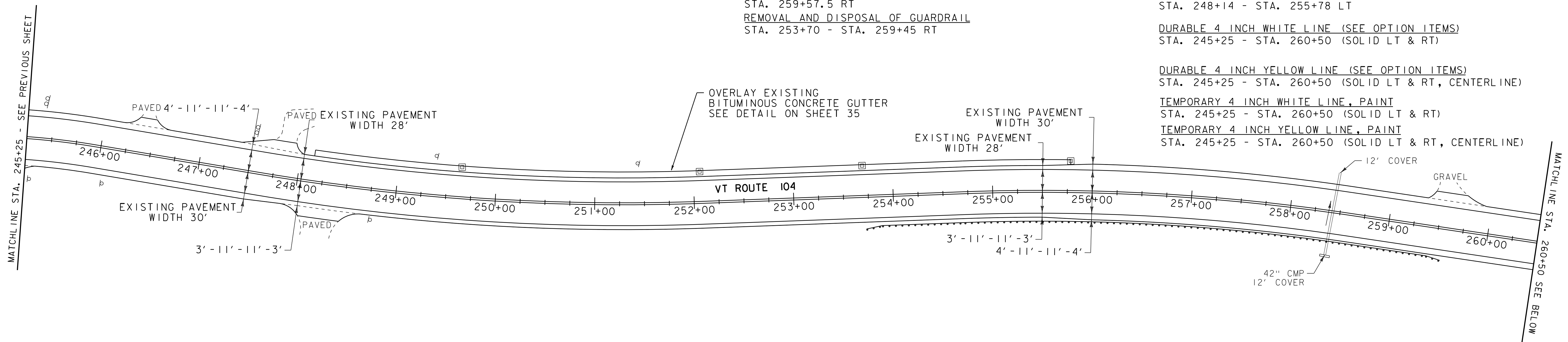
BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. 248+14 - STA. 255+78 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 245+25 - STA. 260+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 245+25 - STA. 260+50 (SOLID LT & RT, CENTERLINE)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 245+25 - STA. 260+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 245+25 - STA. 260+50 (SOLID LT & RT, CENTERLINE)



REHAB. DROP INLETS, CATCH BASINS, OR
MANHOLES, CLASS I OR CLASS II

STA. 268+86 LT STA. 273+04 LT
STA. 271+18 LT STA. 273+79 RT
STA. 272+72 RT STA. 274+77 LT
STA. 272+76 LT

CHANGING ELEVATION OF SEWER MANHOLE
STA. 272+28 RT (TO BE ADJUSTED BY OTHERS)
STA. 273+90 RT (TO BE ADJUSTED BY OTHERS)

TREATED TIMBER CURB
STA. 267+67 - STA. 268+87 LT
STA. 270+86 - STA. 271+16 LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 271+40 - STA. 271+52.5 RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS

STA. 266+90 - STA. 268+65 LT
STA. 268+02.5 - STA. 268+71.25 RT
STA. 271+29 - STA. 271+41.5 LT

GUARDRAIL APPROACH SECTION GALVANIZED, TYPE I

STA. 268+65 - STA. 269+15 LT
STA. 268+71.25 - STA. 269+21.25 RT
STA. 270+79 - STA. 271+29 LT
STA. 270+90 - STA. 271+40 RT

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 266+90 - STA. 269+15 LT
STA. 268+02.5 - STA. 269+21.25 RT
STA. 270+79 - STA. 271+41.5 LT
STA. 270+90 - STA. 271+40 RT

ANCHOR FOR STEEL BEAM RAIL

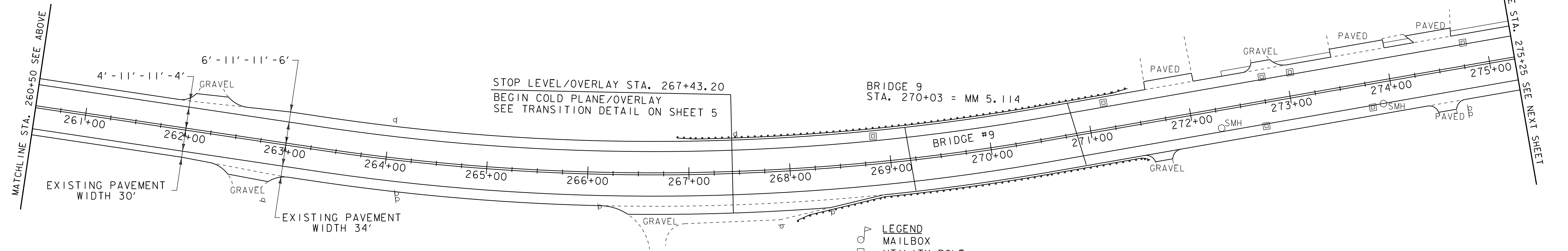
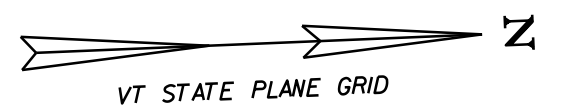
STA. 266+90 LT
STA. 268+02.5 RT
STA. 271+41.5 LT
STA. 271+52.5 RT

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 260+50 - STA. 275+25 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 260+50 - STA. 275+25 (SOLID LT & RT, CENTERLINE)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 260+50 - STA. 275+25 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 260+50 - STA. 275+25 (SOLID LT & RT, CENTERLINE)



- LEGEND
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN

NOT TO SCALE

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT LAYOUT SHEET 13

PROJECT NAME: CAMBRIDGE - FAIRFAX

PROJECT NUMBER: STP 2713(I)

FILE NAME: p07B182.dgn

PROJECT LEADER: CDL

DESIGNED BY: SJL

PLOT FILE: p07B182.31.i

PLOT DATE: 29-DEC-2014 13:46

DRAWN BY: SJL

CHECKED BY: EPD

SHEET 31 OF 36

SOLID ROCK EXCAVATION
STA. 289+15 - STA. 289+22 LT

REHAB. DROP INLETS, CATCH BASINS, OR
MANHOLES, CLASS I OR CLASS II

STA. 275+82 RT STA. 285+14 RT
STA. 276+11 LT STA. 286+95 LT
STA. 283+15 LT STA. 287+09 RT
STA. 284+06 LT STA. 288+57 RT
STA. 284+91 LT

PORTLAND CEMENT
CONCRETE SIDEWALK, 5 INCH
STA. 289+15 - STA. 289+22 LT

DETECTABLE WARNING SURFACE
STA. 289+19 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)

STA. 275+25 - STA. 278+34 (SOLID LT & RT)
STA. 282+54 - STA. 289+75 (SOLID LT & RT)
STA. 289+42 LT (EDGE LINES TH #36)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)

STA. 275+25 - STA. 278+34 (SOLID LT & RT, CENTERLINE)
STA. 282+54 - STA. 289+75 (SOLID LT & RT, CENTERLINE)
STA. 289+42 LT (CENTERLINE TH #36)

TEMPORARY 4 INCH WHITE LINE, PAINT

STA. 275+25 - STA. 278+34 (SOLID LT & RT)
STA. 282+54 - STA. 289+75 (SOLID LT & RT)
STA. 289+42 LT (EDGE LINES TH #36)

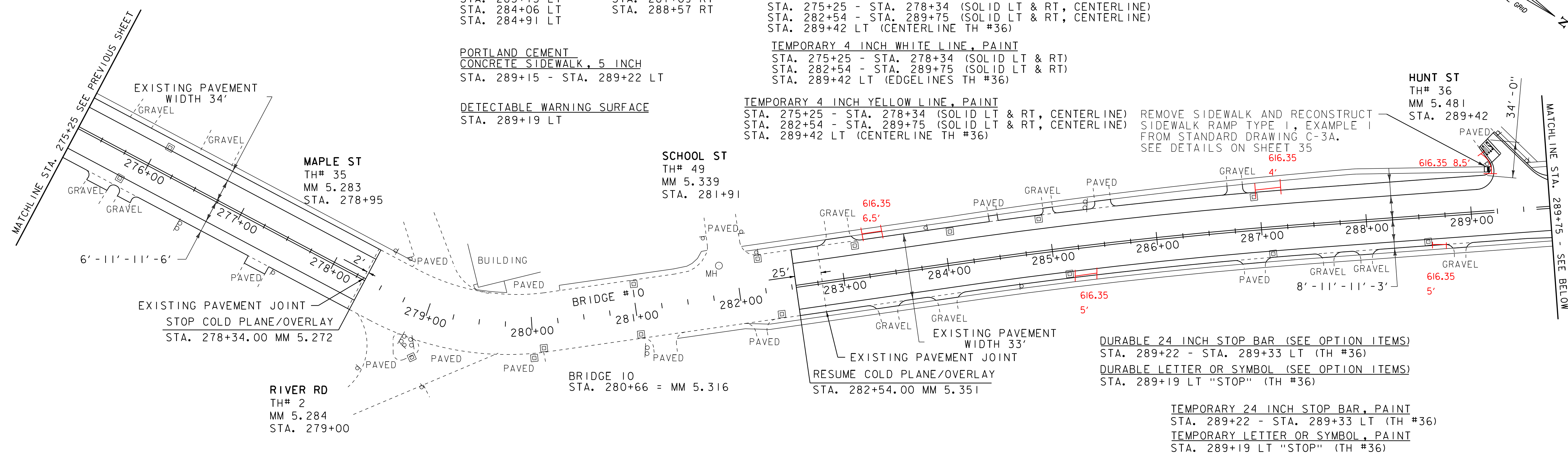
TEMPORARY 4 INCH YELLOW LINE, PAINT

STA. 275+25 - STA. 278+34 (SOLID LT & RT, CENTERLINE)
STA. 282+54 - STA. 289+75 (SOLID LT & RT, CENTERLINE)
STA. 289+42 LT (CENTERLINE TH #36)

REMOVE SIDEWALK AND RECONSTRUCT
SIDEWALK RAMP TYPE I, EXAMPLE I
FROM STANDARD DRAWING C-3A.
SEE DETAILS ON SHEET 35

HUNT ST
TH# 36
MM 5.481
STA. 289+42

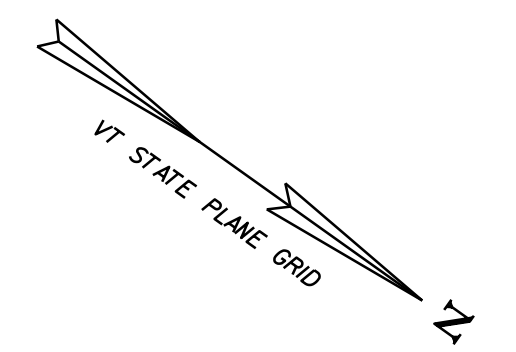
MATCHLINE STA. 289+75 - SEE BELOW



DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)
STA. 289+22 - STA. 289+33 LT (TH #36)

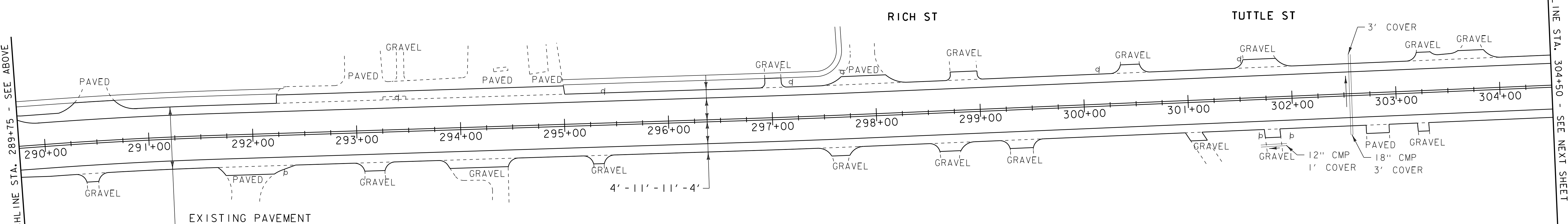
DURABLE LETTER OR SYMBOL (SEE OPTION ITEMS)
STA. 289+19 LT "STOP" (TH #36)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 289+22 - STA. 289+33 LT (TH #36)
TEMPORARY LETTER OR SYMBOL, PAINT
STA. 289+19 LT "STOP" (TH #36)



MATCHLINE STA. 289+75 - SEE ABOVE

MATCHLINE STA. 304+50 - SEE NEXT SHEET



DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
STA. 289+75 - STA. 304+50 (SOLID LT & RT)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
STA. 289+75 - STA. 304+50 (SOLID LT & RT, CENTERLINE)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 289+75 - STA. 304+50 (SOLID LT & RT)

TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 289+75 - STA. 304+50 (SOLID LT & RT, CENTERLINE)

- LEGEND**
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PROJECT LAYOUT SHEET 14	PROJECT NAME: CAMBRIDGE - FAIRFAX
	PROJECT NUMBER: STP 2713(I)
	FILE NAME: p07B182.dgn
	PLOT DATE: 29-DEC-2014 13:46
	PROJECT LEADER: CDL
	DESIGNED BY: SJL
	PLOT FILE: p07B182_32.t
	DRAWN BY: SJL
	CHECKED BY: EPD
	SHEET 32 OF 36

ADJUST ELEVATION OF VALVE BOX
 STA. 309+59 RT STA. 309+65 RT
 (TO BE ADJUSTED BY OTHERS)

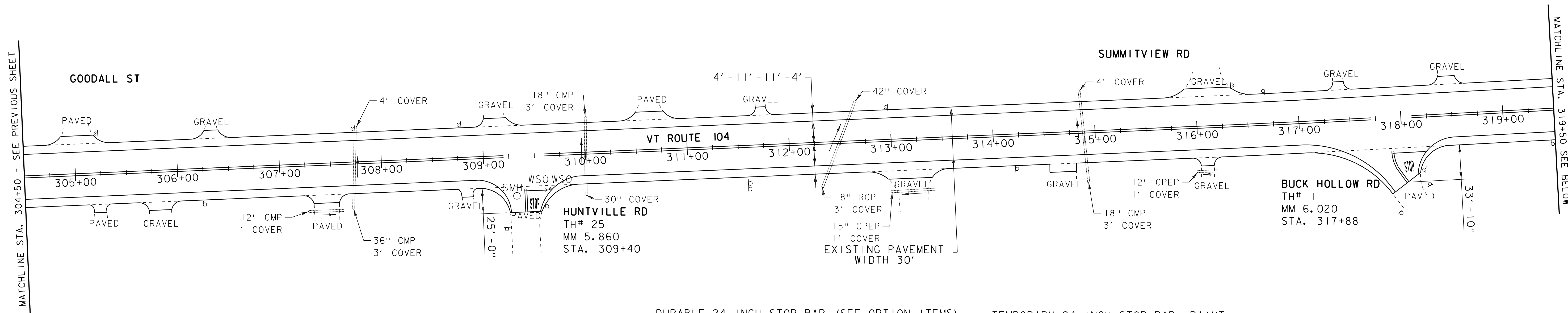
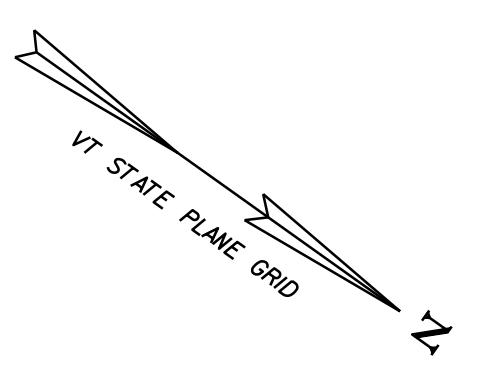
CHANGING ELEVATION OF SEWER MANHOLES
 STA. 309+32 RT (TO BE ADJUSTED BY OTHERS)

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 304+50 - STA. 319+50 (SOLID LT & RT)
 (WITH BREAKS AT TOWN ROADS)
 STA. 309+40 RT (EDGELINES TH #25)
 STA. 317+88 RT (EDGELINES TH #1)

DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 304+50 - STA. 319+50 (SOLID LT & RT, CENTERLINE)
 (WITH BREAKS AT TOWN ROADS)
 STA. 309+40 RT (CENTERLINE TH #25)
 STA. 317+88 RT (CENTERLINE TH #1)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 304+50 - STA. 319+50 (SOLID LT & RT)
 (WITH BREAKS AT TOWN ROADS)
 STA. 309+40 RT (EDGELINES TH #25)
 STA. 317+88 RT (EDGELINES TH #1)

TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 304+50 - STA. 319+50 (SOLID LT & RT, CENTERLINE)
 (WITH BREAKS AT TOWN ROADS)
 STA. 309+40 RT (CENTERLINE TH #25)
 STA. 317+88 RT (CENTERLINE TH #1)



DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)
 STA. 309+40 - STA. 309+59 RT (TH #25)
 STA. 317+90 - STA. 318+22 RT (TH #1)

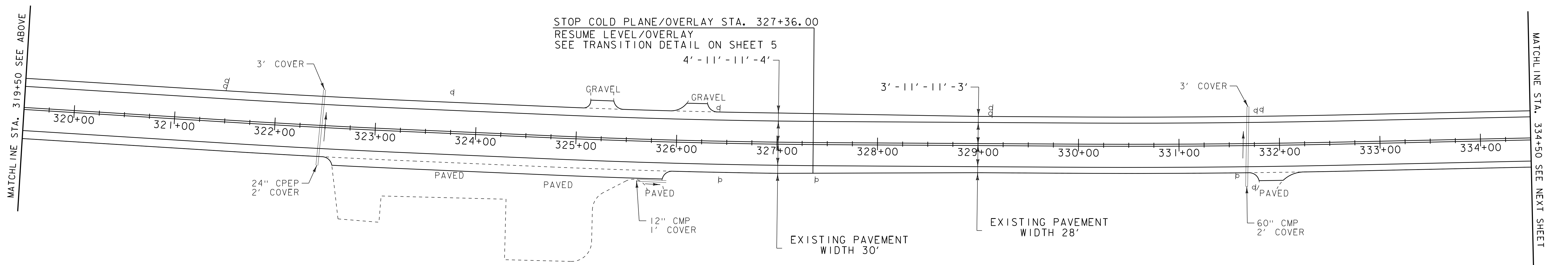
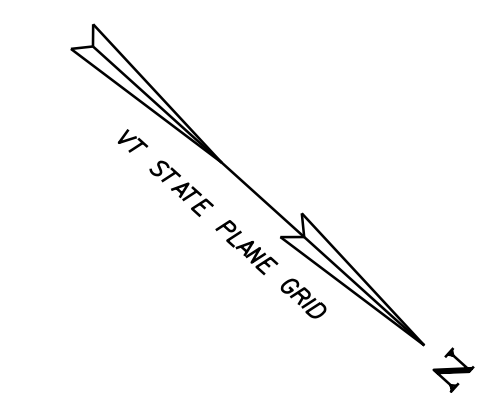
TEMPORARY 24 INCH STOP BAR, PAINT
 STA. 309+40 - STA. 309+59 RT (TH #25)
 STA. 317+90 - STA. 318+22 RT (TH #1)

DURABLE LETTER OR SYMBOL (SEE OPTION ITEMS)
 STA. 309+50 RT "STOP" (TH #25)
 STA. 318+05 RT "STOP" (TH #1)

TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 309+50 RT "STOP" (TH #25)
 STA. 318+05 RT "STOP" (TH #1)

DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 319+50 - STA. 334+50 (SOLID LT & RT)
 DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 319+50 - STA. 334+50 (SOLID LT & RT, CENTERLINE)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 319+50 - STA. 334+50 (SOLID LT & RT)
 TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 319+50 - STA. 334+50 (SOLID LT & RT, CENTERLINE)



- LEGEND**
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN

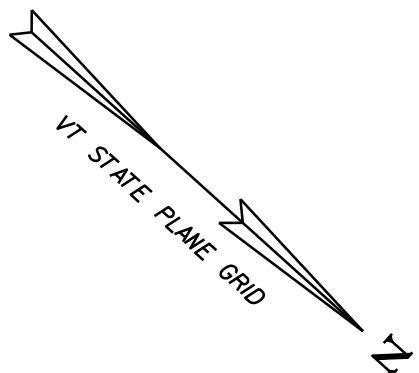
DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

PROJECT LAYOUT SHEET 15	PROJECT NAME: CAMBRIDGE - FAIRFAX
	PROJECT NUMBER: STP 2713(I)
	FILE NAME: p07B182.dgn
	PLOT DATE: 29-DEC-2014 13:46
	PROJECT LEADER: CDL
	DESIGNED BY: SJL
	PLOT FILE: p07B182_33.i
	DRAWN BY: SJL
	CHECKED BY: EPD
	SHEET 33 OF 36

NOT TO SCALE

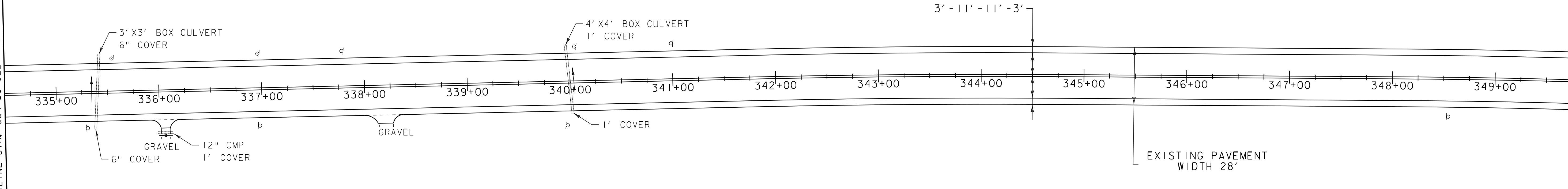
DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 334+50 - STA. 349+75 (SOLID LT & RT)
 DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 334+50 - STA. 349+75 (SOLID LT & RT, CENTERLINE)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 334+50 - STA. 349+75 (SOLID LT & RT)
 TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 334+50 - STA. 349+75 (SOLID LT & RT, CENTERLINE)



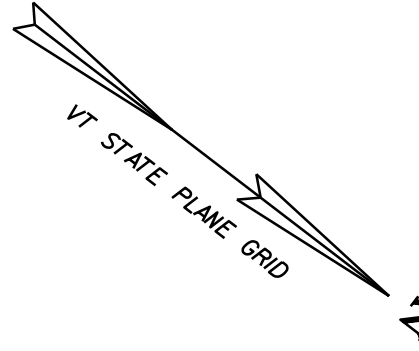
MATCHLINE STA. 334+50 SEE PREVIOUS SHEET

MATCHLINE STA. 349+75 - SEE BELOW

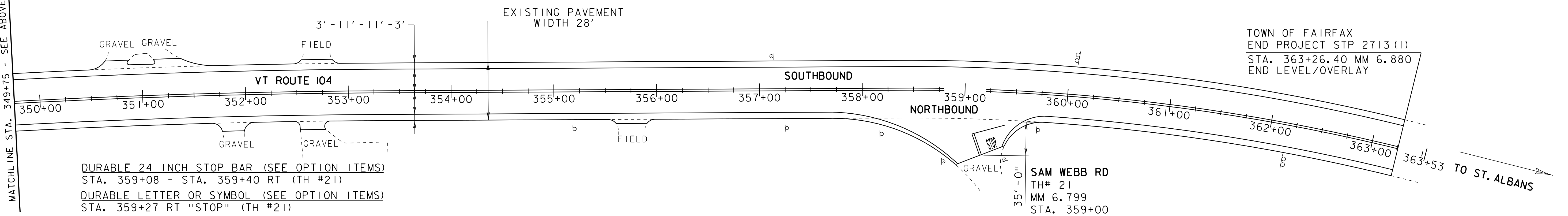


DURABLE 4 INCH WHITE LINE (SEE OPTION ITEMS)
 STA. 349+75 - STA. 363+26.40 (SOLID LT & RT)
 (WITH BREAKS AT TOWN ROADS)
 STA. 359+00 RT (EDGE LINES TH #21)
 DURABLE 4 INCH YELLOW LINE (SEE OPTION ITEMS)
 STA. 349+75 - STA. 363+26.40 (SOLID LT & RT, CENTERLINE)
 (WITH BREAKS AT TOWN ROADS)
 STA. 359+00 RT (CENTERLINE TH #21)

TEMPORARY 4 INCH WHITE LINE, PAINT
 STA. 349+75 - STA. 363+26.40 (SOLID LT & RT)
 (WITH BREAKS AT TOWN ROADS)
 STA. 359+00 RT (EDGE LINES TH #21)
 TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA. 349+75 - STA. 363+26.40 (SOLID LT & RT, CENTERLINE)
 (WITH BREAKS AT TOWN ROADS)
 STA. 359+00 RT (CENTERLINE TH #21)



MATCHLINE STA. 349+75 - SEE ABOVE



DURABLE 24 INCH STOP BAR (SEE OPTION ITEMS)
 STA. 359+08 - STA. 359+40 RT (TH #21)
 DURABLE LETTER OR SYMBOL (SEE OPTION ITEMS)
 STA. 359+27 RT "STOP" (TH #21)

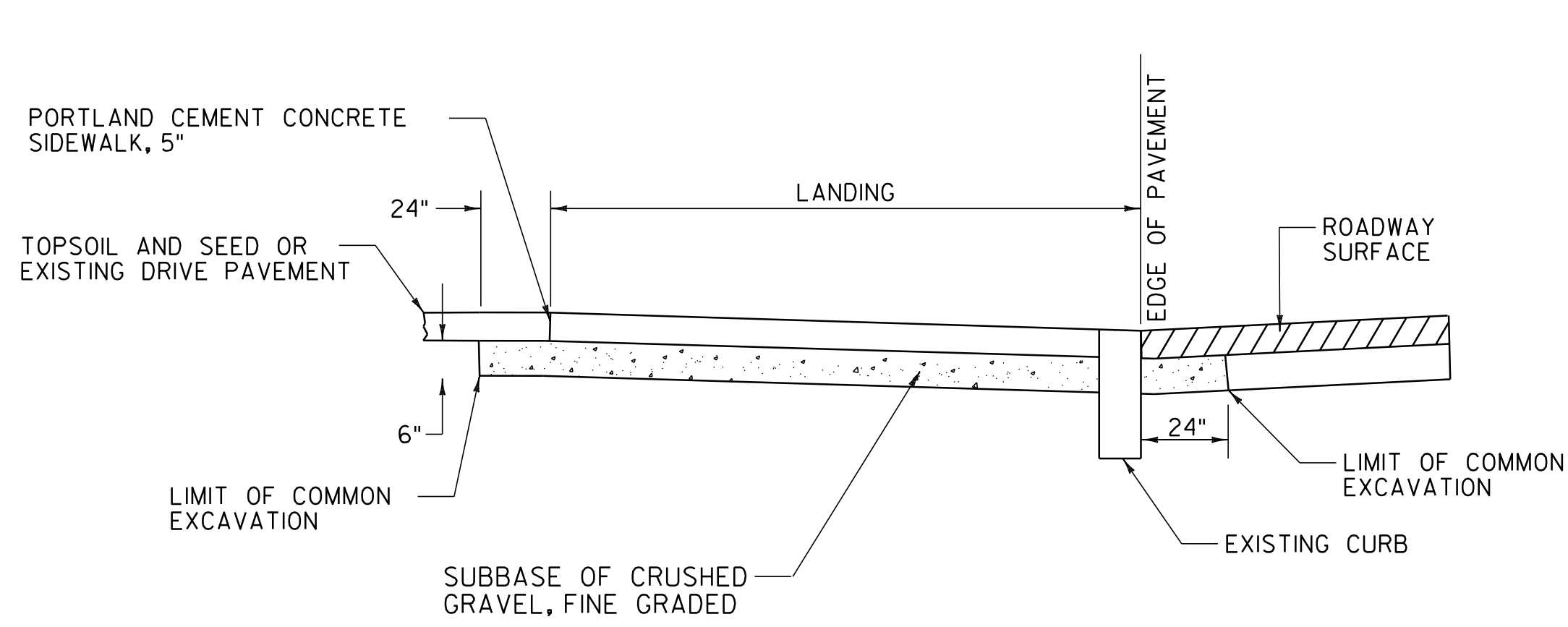
TEMPORARY 24 INCH STOP BAR, PAINT
 STA. 359+08 - STA. 359+40 RT (TH #21)
 TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 359+27 RT "STOP" (TH #21)

- LEGEND**
- MAILBOX
 - UTILITY POLE
 - HYDRANT
 - MANHOLE
 - WATER VALVE
 - CATCH BASIN / DROP INLET
 - SIGN

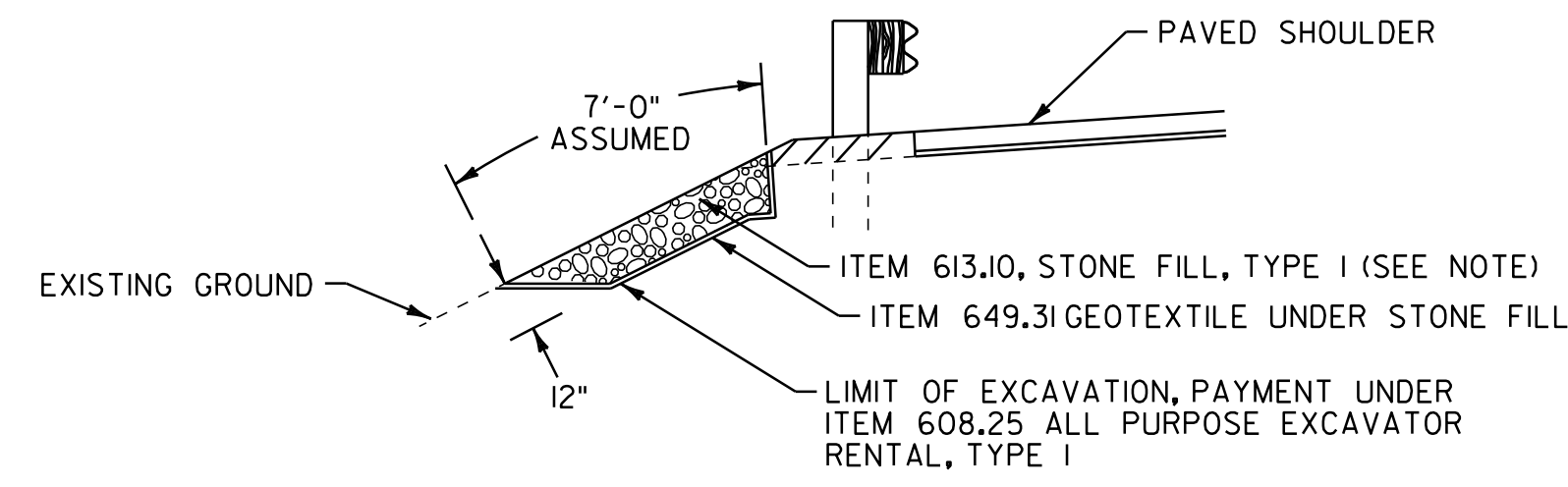
DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PROJECT LAYOUT SHEET 16	PROJECT NAME: CAMBRIDGE - FAIRFAX
	PROJECT NUMBER: STP 2713(I)
	FILE NAME: p07B182.dgn
	PLOT DATE: 29-DEC-2014 13:46
DESIGNED BY: SJL	DRAWN BY: SJL
PLOT FILE: p07B182_34.i	CHECKED BY: EPD
	SHEET 34 OF 36



SECTION B-B

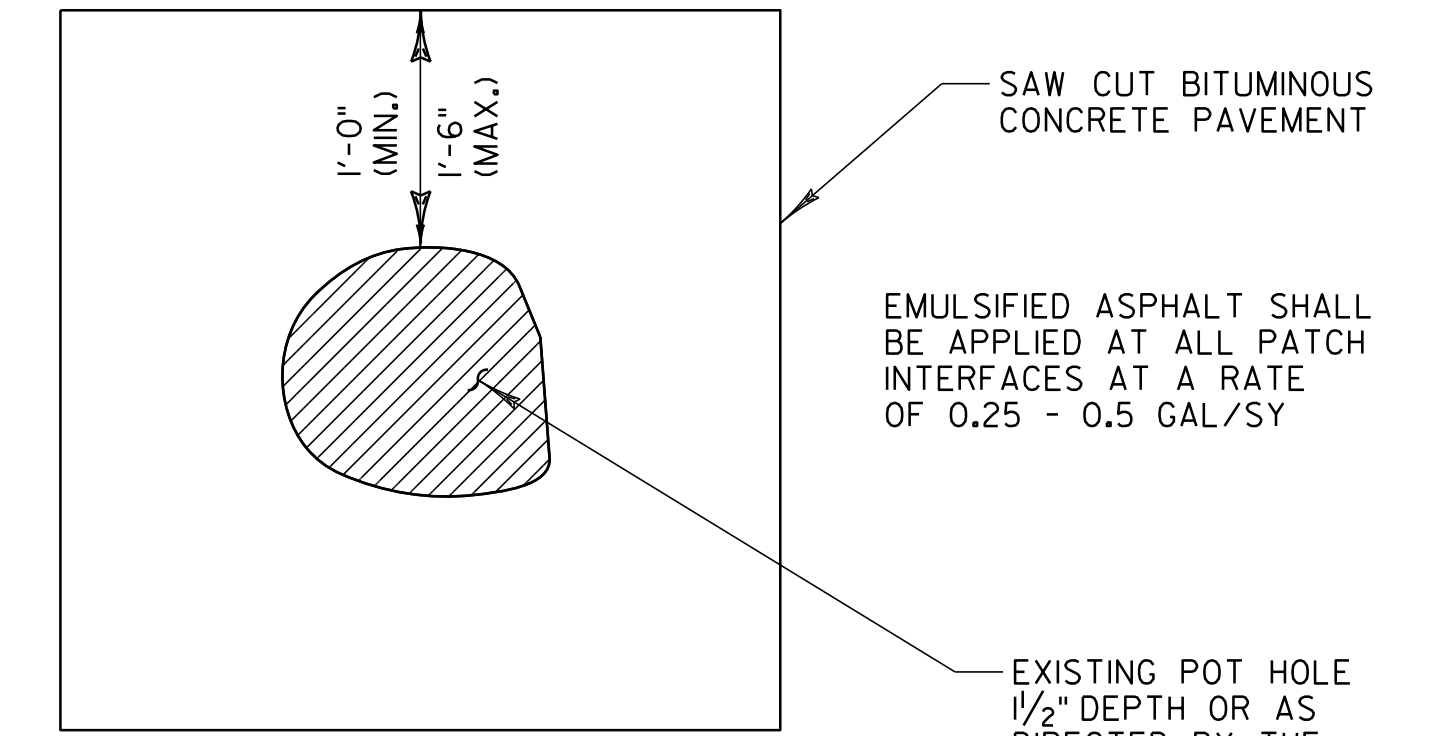


SLOPE EROSION REPAIR DETAIL

(ASSUME A 7' WIDTH BY 6' LENGTH UNLESS OTHERWISE NOTED)

CAMBRIDGE: STA. 92+98 LT

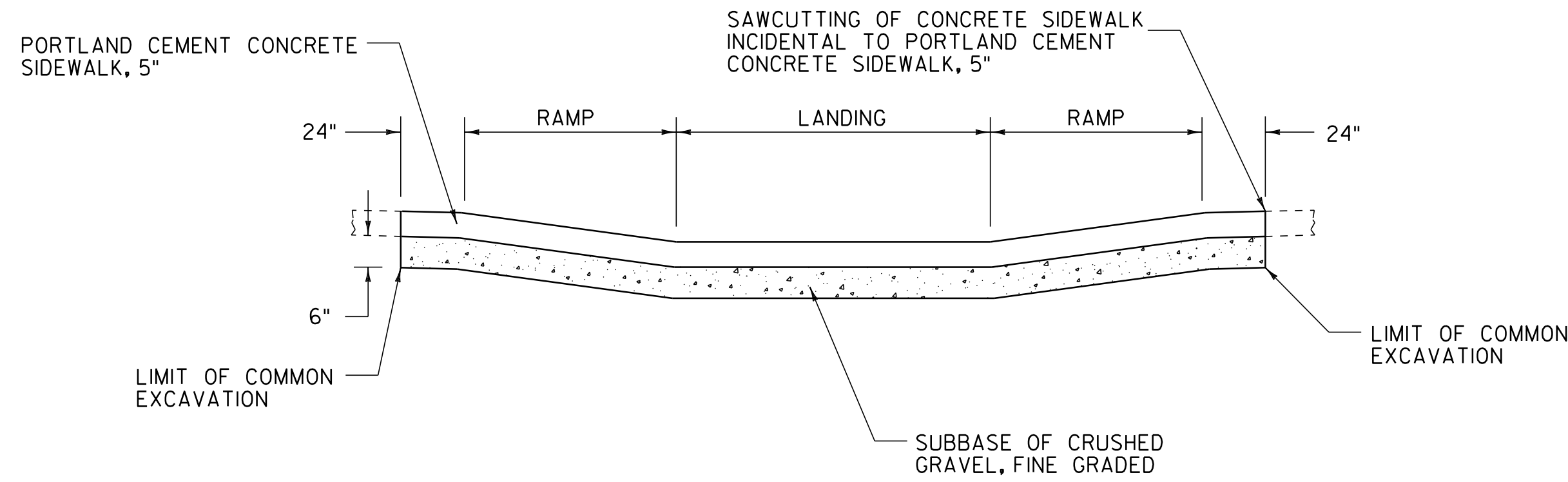
FAIRFAX: STA. 107+78 RT
 STA. 169+75 RT
 STA. 175+99 LT
 STA. 196+00 RT



TYPICAL - POT HOLE REPAIR

NOT TO SCALE

NOTE: POT HOLE REPAIR PAID UNDER ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE 1)

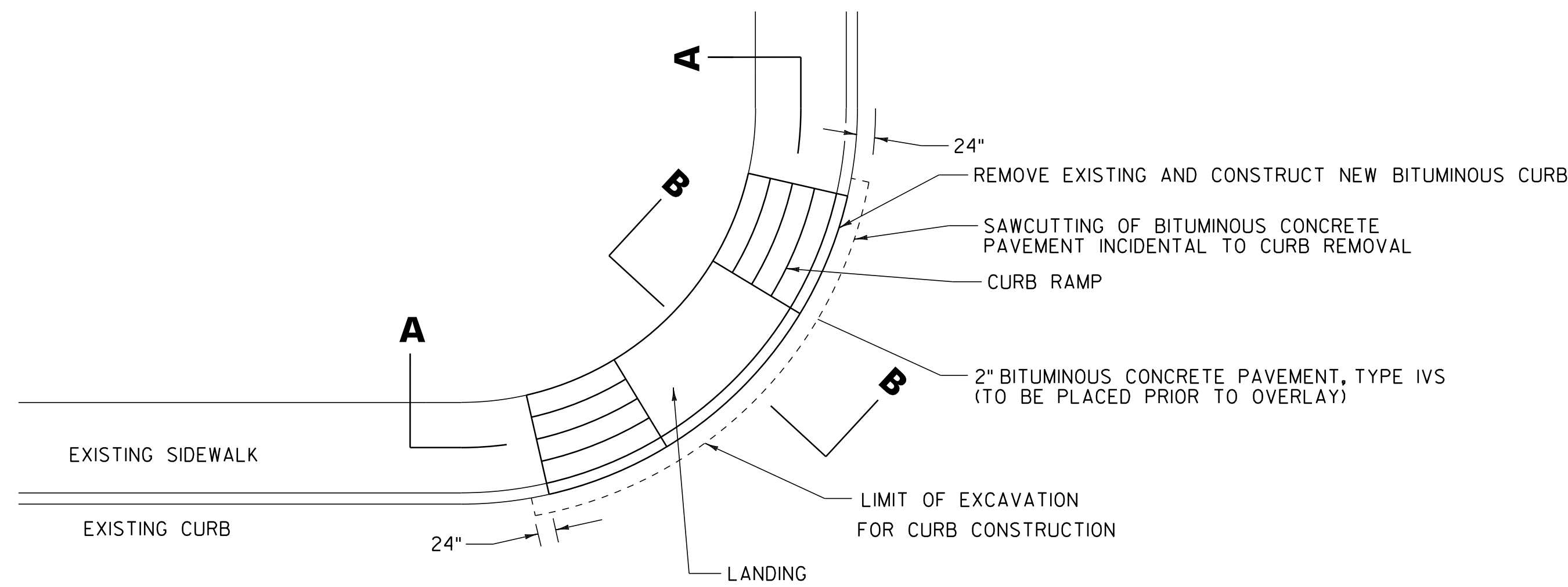


SECTION A-A

LOCATION	203.15 COMMON EXCAVATION	203.16 SOLID ROCK EXCAVATION	301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED	616.305 BITUMINOUS CONCRETE CURB, TYPE A	616.41 REMOVAL OF EXISTING CURB	618.10 P.C.C. SIDEWALK, 5 INCH	618.30 DETECTABLE WARNING SURFACE
STA. 289+15-STA. 289+22 LT	0.9	1.14	0.9	10	10	5.56	8
SUBTOTAL	0.9	1.14	0.9	10	10	5.56	8
ROUNDING	0.1	0.86	0.1	0	0	0.44	0
TOTAL	1.0	2.0	1.0	10	10	6.00	8

PEDESTRIAN RAMP QUANTITIES

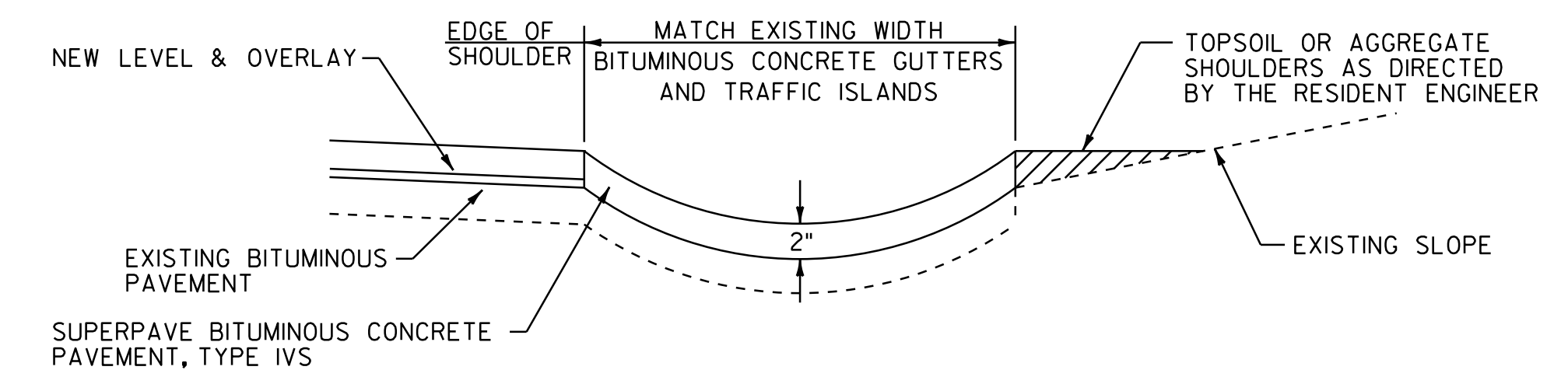
FAIRFAX
 STA. 289+15.00



PLAN

SIDEWALK RAMP PAY LIMIT DETAILS

- NOTE:
1. THIS DETAIL IS FOR PAY LIMITS ONLY. FOR INDIVIDUAL RAMP CONFIGURATIONS, SLOPES, DIMENSIONS, ETC., SEE VTRANS STANDARDS C-3A/C-3B.
 2. SEE PROJECT LAYOUT SHEETS FOR LOCATIONS OF RAMPS TO BE RECONSTRUCTED.
 3. NEW BITUMINOUS CONCRETE PAVEMENT SHALL BE PAID UNDER ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
 4. REMOVAL OF EXISTING SIDEWALK TO BE PAID UNDER ITEM 203.16 SOLID ROCK EXCAVATION.



BITUMINOUS CONCRETE GUTTER DETAIL

FAIRFAX: STA. 197+77 - STA. 203+78 RT
 STA. 198+43 - STA. 204+83 LT
 STA. 248+14 - STA. 255+78 LT

NOT TO SCALE

**MISCELLANEOUS
 DETAIL SHEET**

PROJECT NAME: CAMBRIDGE-FAIRFAX

PROJECT NUMBER: STP 2713(1)

FILE NAME: p07B182.dgn

PROJECT LEADER: CDL

DESIGNED BY: SJL

PLOT FILE: p07B182_35.1

PLOT DATE: 29-DEC-2014 13:46

DRAWN BY: SJL

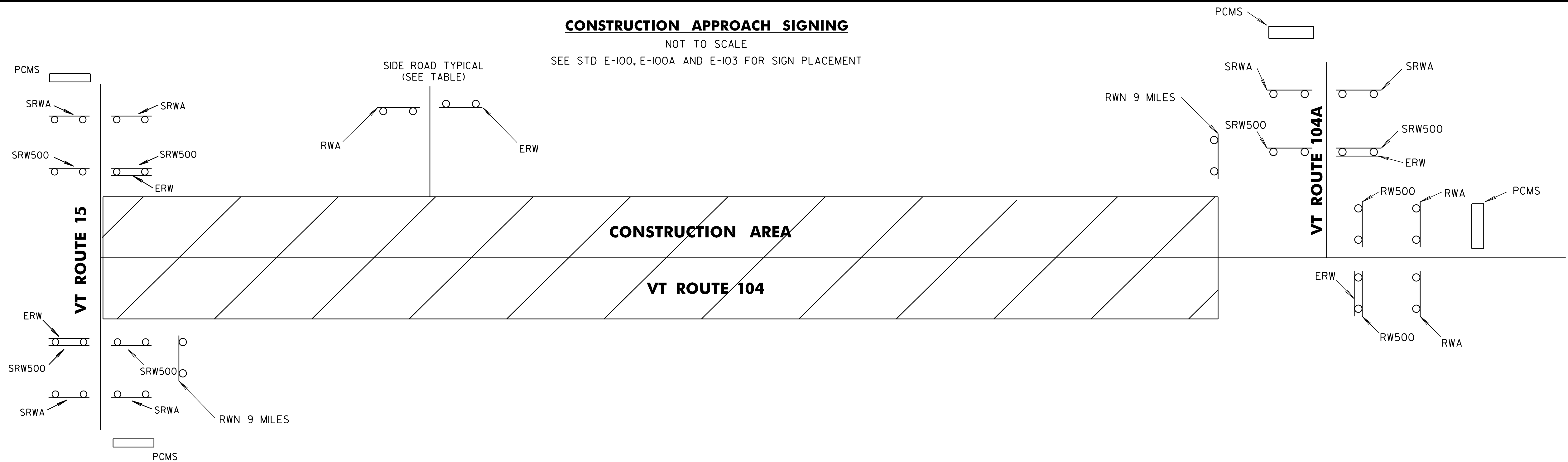
CHECKED BY: EPD

SHEET 35 OF 36

CONSTRUCTION APPROACH SIGNING

NOT TO SCALE

SEE STD E-100, E-100A AND E-103 FOR SIGN PLACEMENT



NOTES:

- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR THEIR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCIDENTAL TO ITEM 641.10, "TRAFFIC CONTROL".
- THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN APPROACH PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH THE TRAFFIC CONTROL NOTES AND PART 6 OF THE MUTCD. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 641.10, "TRAFFIC CONTROL".
- THE BID PRICE FOR "TRAFFIC CONTROL", ITEM 641.10, SHALL INCLUDE ALL OF THE FOLLOWING, AS NEEDED: APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, PORTABLE ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VTRANS STANDARDS. ALL ADJUSTING, RELOCATING, AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER SHALL ALSO BE INCLUDED. THE FOLLOWING ITEMS WILL BE PAID FOR SEPARATELY:
646.602, 646.612, 646.682 AND 646.692 - TEMPORARY PAVEMENT MARKINGS
630.10 UNIFORMED TRAFFIC OFFICER, 630.15 - FLAGGERS
- PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WILL BE PROVIDED FOR USE ALONG THIS PROJECT. THE PLACEMENT OF THESE UNITS AS WELL AS THE MESSAGE WILL BE APPROVED BY THE RESIDENT ENGINEER. THESE SIGNS WILL BE PAID FOR UNDER ITEM 641.15, "PORTABLE CHANGEABLE MESSAGE SIGN".

PCMS SHOULD NOT REPLACE ANY OF THE SIGNING DETAILED IN THE MUTCD AND SHOULD NOT BE USED IF STANDARD TRAFFIC CONTROL DEVICES ADEQUATELY PROVIDE THE INFORMATION THE MOTORISTS NEED TO TRAVEL SAFELY.

THE PCMS SHALL CONSIST OF EITHER ONE OR TWO PHASES. TYPICALLY, A PHASE SHALL CONSIST OF UP TO THREE LINES OF EIGHT CHARACTERS PER LINE. THE PCMS SHOULD BE USED AS A SUPPLEMENT AND NOT AS A SUBSTITUTE FOR CONVENTIONAL SIGNS AND PAVEMENT MARKINGS.

THE PCMS SHOULD COMMUNICATE WHAT INFORMATION MOTORISTS NEED TO KNOW. UNNECESSARY INFORMATION SHOULD BE AVOIDED. MESSAGES SHOULD BE UPDATED PERIODICALLY TO DESCRIBE THE WORK ACTIVITY OCCURRING SO THAT THE PCMS CONTINUES TO COMMAND THE ATTENTION OF MOTORISTS.
- THE MUTCD 2009 SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS, SIGNALS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC CONTROL 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.
- 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.
- CONES SHALL BE USED TO CLEARLY DEFINE THE TRAVEL SPACE AND PROVIDE SEPARATION FROM THE WORK SPACE ALONG ITS ENTIRE LENGTH.
- AS THE PAVING OPERATION MOVES, THE FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 1000 FT FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY IF FLAGGING OPERATIONS CEASE FOR MORE THAN 15 MINUTES.

- ALL PERMANENT SIGNS THAT CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED, THE PAYMENT FOR WHICH SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10 TRAFFIC CONTROL.
- CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE 2009 MUTCD.
- CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS.
- DIAMOND SHAPED SIGNS SHALL BE 4'X4' WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLOURESCENT ORANGE BACKGROUND.
- RETROREFLECTIVE SHEETING SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS.
- CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED AS SPECIFIED IN THE SPECIAL PROVISIONS.
- WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOM OF THE SIGNS ARE ABOVE THE TOP OF GUARDRAIL.

	ROAD WORK AHEAD	END ROAD WORK	SIDE ROAD WORK AHEAD	SIDE ROAD WORK 500 FT	ROAD WORK 500 FT	ROAD WORK NEXT 9 MILES	PCMS
CAMBRIDGE							
VT 15		2	4	4			2
BEGIN PROJECT (VT 104)						1	
FAIRFAX							
ALLEN IRISH RD	1	1					
TOOF RD	1	1					
PLAINS RD	1	1					
RIVER RD	1	1					
SAND HILL RD	1	1					
VT-128 APPROACH	1	1					
VT-128	1	1					
MAPLE ST	1	1					
RIVER RD	1	1					
SCHOOL ST	1	1					
HUNT ST	1	1					
HUNTVILLE RD	1	1					
BUCK HOLLOW RD	1	1					
SAM WEBB RD	1	1					
VT 104A		1	2	2			1
END PROJECT (VT 104)	2	1			2	1	1
TOTALS	16	18	6	6	2	2	4

LEGEND

- RWA = ROAD WORK AHEAD
- RW500 = ROAD WORK 500 FT
- SRWA = SIDE ROAD WORK AHEAD
- SRW500 = SIDE ROAD WORK 500 FT
- ERW = END ROAD WORK
- RWN = ROAD WORK NEXT 9 MILES
- PCMS = PORTABLE CHANGEABLE MESSAGE SIGN

CONSTRUCTION APPROACH SIGNING SHEET

PROJECT NAME: CAMBRIDGE-FAIRFAX

PROJECT NUMBER: STP 2713(1)

FILE NAME: p07B182.dgn

PROJECT LEADER: CDL

DESIGNED BY: SJL

PLOT FILE: p07B182_36.1

PLOT DATE: 29-DEC-2014 13:46

DRAWN BY: SJL

CHECKED BY: EPD

SHEET 36 OF 36