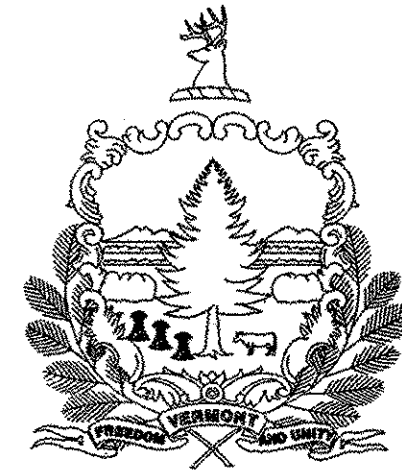


INDEX OF SHEETS
SEE SHEET 2

STATE OF VERMONT AGENCY OF TRANSPORTATION

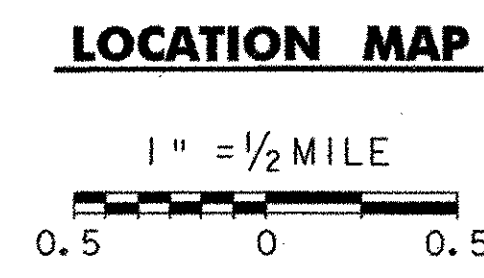
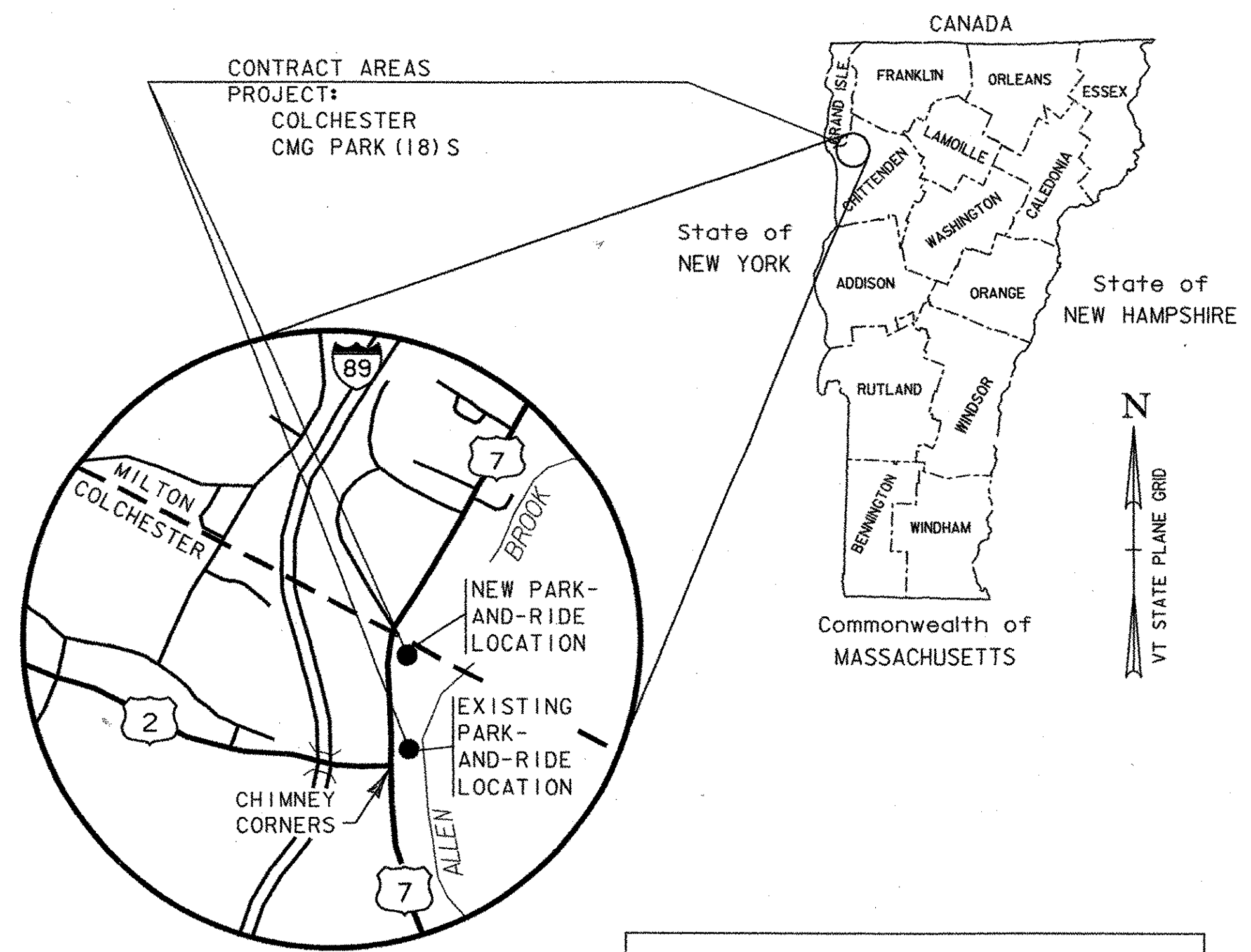


PROPOSED IMPROVEMENT TOWN OF COLCHESTER COUNTY OF CHITTENDEN COMMUTER PARK-AND-RIDE LOT

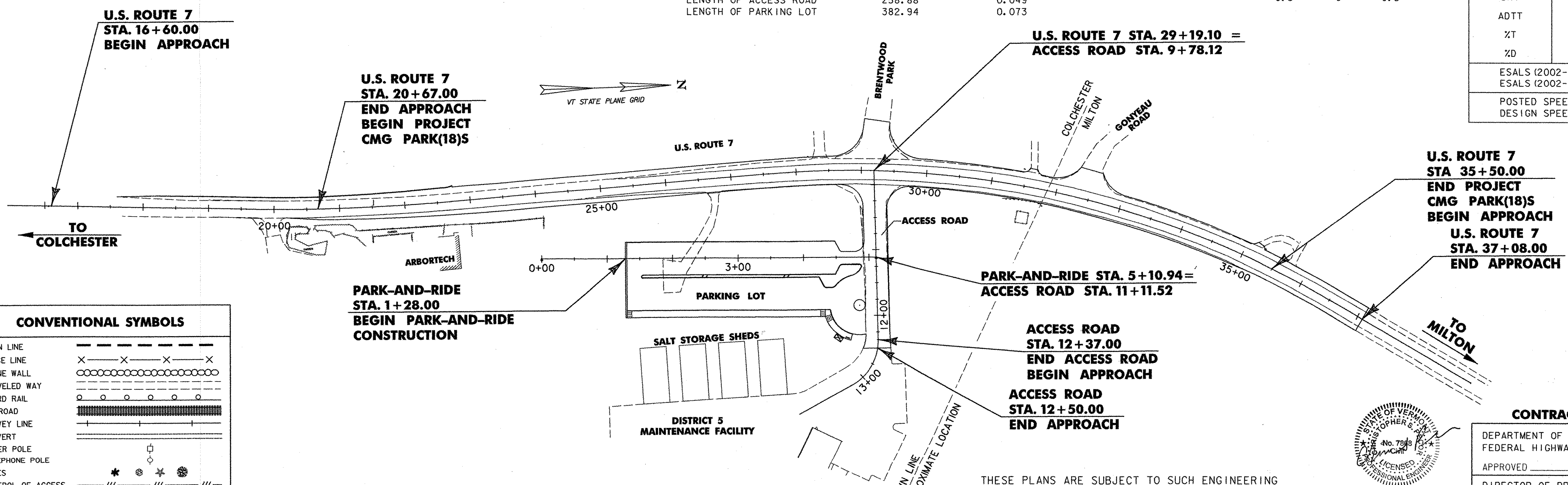
THIS PROJECT IS LOCATED ON U.S. ROUTE 7 IN THE TOWN OF COLCHESTER, APPROXIMATELY 2000 FEET NORTHERLY OF THE U.S. ROUTE 2 / U.S. ROUTE 7 INTERSECTION, ON THE EASTERLY SIDE OF U.S. ROUTE 7.

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES THE CLOSING OF THE EXISTING PARK-AND-RIDE LOT, THE CONSTRUCTION OF A NEW PARK-AND-RIDE LOT AND IMPROVEMENTS TO THE U.S. ROUTE 7 APPROACH, WHICH WILL INCLUDE SUBBASE, PAVEMENT WIDENING, PAVEMENT MARKINGS, LIGHTING, LANDSCAPING, AND MISCELLANEOUS APPURTENANCES.

PROJECT DATA	LENGTH (FEET)	LENGTH (MILES)
LENGTH OF ROADWAY (ROUTE 7)	1483.00	0.281
LENGTH OF ACCESS ROAD	258.88	0.049
LENGTH OF PARKING LOT	382.94	0.073

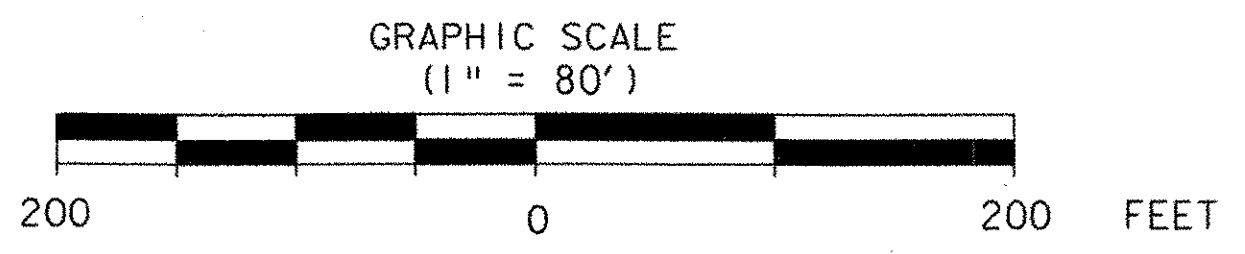


	2002	2022
ADT	10,100	12,300
DHV	1,200	1,400
ADTT	570	590
%T	4	4
%D	66	66
ESALS (2002-2022)	= 3,354,000	
ESALS (2002-2042)	= 7,834,000	
POSTED SPEED	= 50 MPH	
DESIGN SPEED	= 50 MPH	

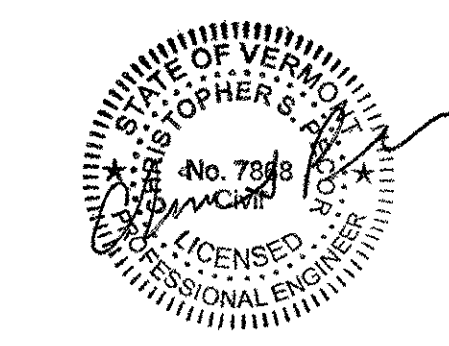


TOWN LINE	---
FENCE LINE	-x-x-x-x-
STONE WALL	-o-o-o-o-o-
TRAVELED WAY	---
GUARD RAIL	-o-o-o-o-o-
RAILROAD	==
SURVEY LINE	---
CULVERT	--- ---
POWER POLE	□
TELEPHONE POLE	◇
TREES	* * * *
CONTROL OF ACCESS	///
PROPERTY LINE	---
R.O.W. TAKING LINE	SR SR SR
SLOPE RIGHTS	△
TOP OF CUT	△
TOE OF SLOPE	△
CLEAR ZONE	- - - - -
SILT FENCE	- - - - -
WETLANDS	~ ~ ~ ~ ~

SURVEYED BY : VERMONT SURVEY AND ENGINEERING, INC.
SURVEYED DATE : 5/01/00
DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (1996) VT SPC (FEET)



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROJECT DEVELOPMENT.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2001, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.



CONTRACT PLANS: JULY, 2002
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATOR
APPROVED _____ DATE _____
DIRECTOR OF PROJECT DEVELOPMENT
APPROVED *[Signature]* DATE 7/1/02
PROJECT MANAGER : WAYNE L. DAVIS
PROJECT NAME : COLCHESTER PARK-AND-RIDE
PROJECT NUMBER : CMG PARK (18) S
SHEET 1 OF 56 SHEETS

INDEX OF SHEETS

INDEX OF SHEETS

1	TITLE SHEET
2	INDEX OF SHEETS
3-4	TYPICAL SHEETS
5	PAVEMENT & DRAINAGE DETAILS
6-8	QUANTITY SHEET
9	ITEM DETAIL SHEET
10	DRAINAGE SUMMARY SHEET
11	EARTHWORKS SHEET
12	SURVEY TIE SHEET
13-17	LAYOUT PLANS
18	LAYOUT POINTS
19	PROFILES
20	GRADING AND DRAINAGE PLAN
21	CONSTRUCTION APPROACH SIGNS
22-25	PAVEMENT MARKING AND SIGNING PLANS
26	PAVEMENT MARKING AND SIGNING DETAILS
27	SIGN DETAILS
28-30	TRAFFIC SIGN SUMMARY SHEETS
31	LIGHTING PLAN
32-33	LIGHTING DETAILS
34	EROSION CONTROL AND LANDSCAPING PLAN
35	LANDSCAPING DETAILS
36	EXISTING PARK-AND-RIDE CLOSURE PLAN
37	RIDER SHELTER CONSTRUCTION PLAN
38	STRUCTURAL DETAILS
39-56	CROSS SECTIONS

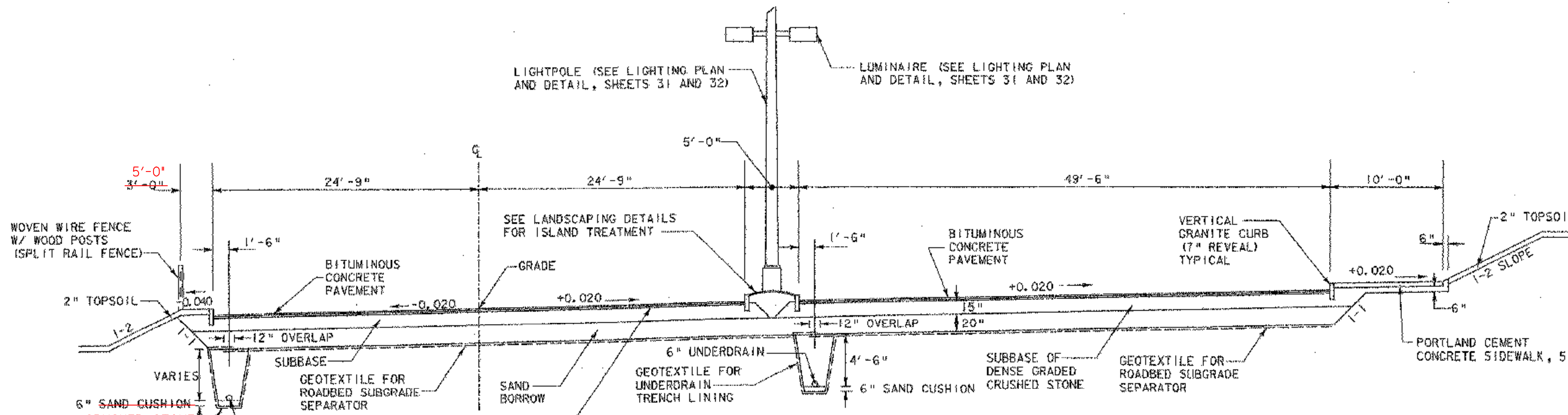
VTrans DESIGN STANDARDS

B-5	SLOPE ROUNDING, EMBANKMENTS, MUCK EXCAVATION	06-01-94
B-12	SIDE ROAD INTERSECTION SHOWING DEPRESSED RAMP	06-01-94
B-71	RESIDENTIAL AND COMMERCIAL DRIVES	11-16-00
C-1	VERTICAL GRANITE CURB	01-03-00
C-3	SIDEWALK RAMPS	01-03-00
D-2	UNDERDRAIN & CARRIER PIPE CONSTRUCTION DETAILS	06-01-94
D-3	TREATED GUTTERS	06-01-94
D-4	UNDERDRAIN FLUSHING BASIN	06-01-94
	CORRUGATED STEEL PIPE END SECTION	
D-8	REINFORCED CONCRETE DROP INLET WITH PRECAST COVER, REINFORCED CONCRETE DROP INLET WITH GRATE (BOTTOM SECTION)	01-03-00
D-9	REINFORCED CONCRETE DROP INLET WITH VERTICAL CURB	06-01-94
D-13	CONCRETE CATCH BASIN	01-03-00
D-15	CAST IRON GRATE WITH FRAME, TYPE D	06-01-94
D-20	HIGHWAY CROSSING FOR UNDERGROUND UTILITIES	03-10-95
E-100	CONSTRUCTION APPROACH SIGNS	01-06-97
E-101	CONSTRUCTION SIGN DETAILS	03-10-97
E-102	CONSTRUCTION SIGN DETAILS	08-08-95
E-102A	CONSTRUCTION SIGN DETAILS	08-08-95
E-103	TRAFFIC CONTROL DETAILS	09-23-98
E-106	TRAFFIC CONTROL MISCELLANEOUS DETAILS	08-08-95
E-107	DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS	08-08-95
E-107A	BREAKAWAY BARRICADE DETAILS	08-08-95
E-108	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS	08-18-95
E-110	MAJOR MAINTENANCE OPERATION LANE CLOSURE	08-08-95
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	08-08-95
E-132	GENERAL MOTORIST SERVICES SIGN DETAILS	08-18-95
E-142	REGULATORY SIGN DETAILS	09-20-95
E-143	REGULATORY SIGN DETAILS	09-20-95
E-144	REGULATORY SIGN DETAILS	03-29-99
E-145A	REGULATORY SIGN DETAILS - LANE USE CONTROL SIGNS	12-23-94
E-150	WARNING SIGN DETAILS	01-15-97
E-151	WARNING SIGN DETAILS	08-08-95
E-155	WARNING SIGN DETAILS	08-08-95
E-160	FLANGED CHANNEL STEEL SIGN POST	05-20-99
E-161	W-SHAPED STEEL SIGN POST	08-18-95
E-162	TUBULAR ALUMINUM SIGN POST	05-20-99
E-163	TUBULAR STEEL SIGN POST	05-20-99
E-164	SQUARE STEEL SIGN POST	05-20-99
E-173	PULLBOXES AND JUNCTION BOXES	08-09-95
E-175	POWER DROP STANCHIONS	11-17-93
E-180A	STREET LIGHTING DETAILS	08-09-95
E-180B	STREET LIGHTING DETAILS	08-09-95
E-191	PAVEMENT MARKING DETAILS	02-01-99
E-192	PAVEMENT MARKING DETAILS	10-12-00
E-193	PAVEMENT MARKING DETAILS	08-18-95
F-1	WOMEN WIRE FENCE WITH WOOD POSTS	06-01-94
F-2	CHAIN LINK FENCE, TYPE I	06-01-94
G-1	STEEL BEAM GUARDRAIL	01-03-00
G-1d	ANCHOR FOR STEEL BEAM RAIL	01-03-00
G-19	GENERIC GRADING PLANS FOR GUARD RAIL END TERMINALS	10-21-98
T-1	TEMPORARY EROSION CONTROL DETAILS	06-01-94
T-2	TEMPORARY EROSION CONTROL DETAILS	06-01-94



PROJECT NAME:	COLCHESTER PARK-AND-RIDE		
PROJECT NUMBER:	CMG PARK (18)S		
FILE NAME:	index of sheets.xls	PLOT DATE:	2/21/02
PROJECT LEADER:	WLD	DRAWN BY:	GGG
DESIGNED BY:	CSP	CHECKED BY:	CSP
INDEX OF SHEETS		SHEET	2 OF 56

TYPICAL SECTIONS



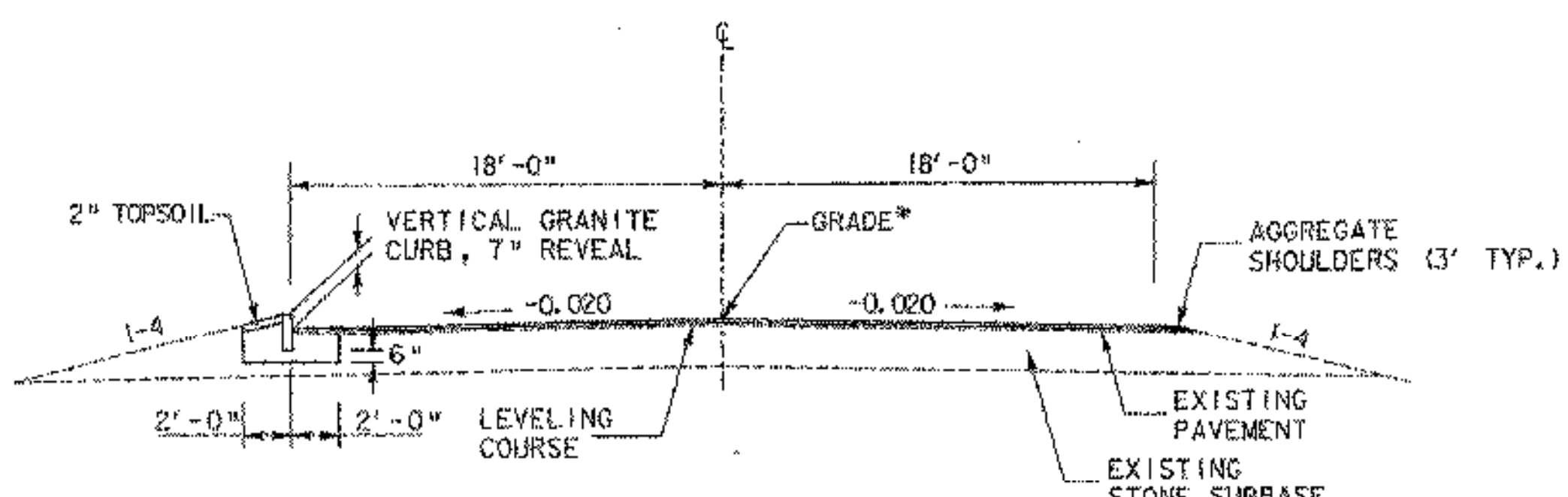
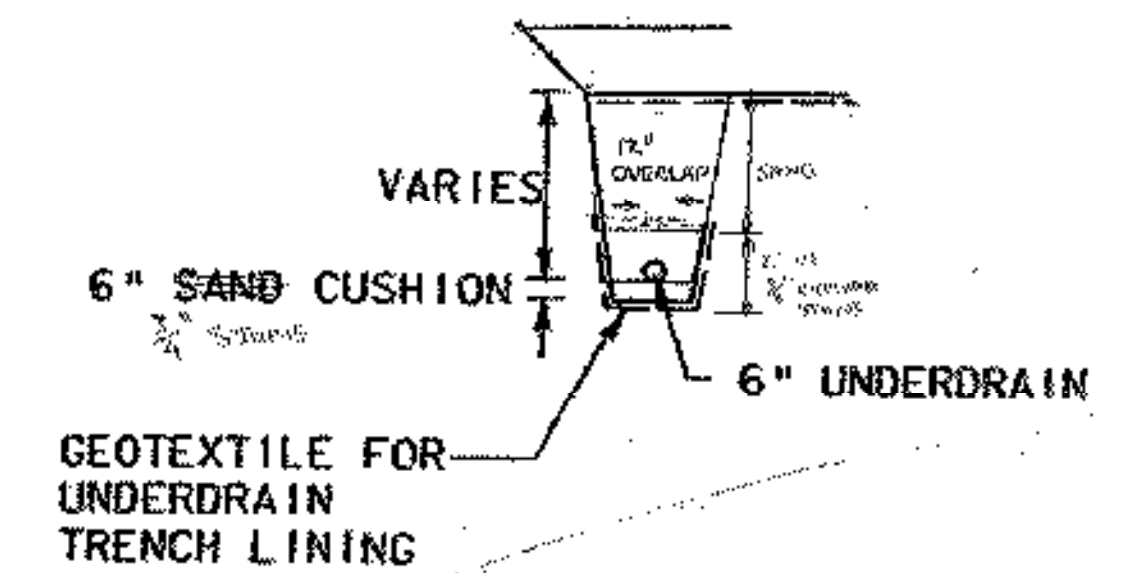
PARK-AND-RIDE TYPICAL

NOT TO SCALE
 STA. 1+28.00 - STA. 4+33.00
 1 1/2" BITUMINOUS CONCRETE PAVEMENT (ONE LIFT - TYPE III)
 2" BITUMINOUS CONCRETE PAVEMENT (ONE LIFT - TYPE I)
 15" SUBBASE OF DENSE GRADED CRUSHED STONE
 20" SAND BORROW OVER GEOTEXTILE

MATERIAL ITEM	THICKNESS / TOLERANCE
BITUMINOUS CONCRETE PAVEMENT	+/- 3/8" (TOTAL DEPTH)
DENSE GRADED CRUSHED STONE	+/- 1 1/8"
SAND BORROW	+/- 1 1/8"

SEEDING FORMULA - RURAL AREAS
 (SEE LANDSCAPING DETAIL, SHEET 35)

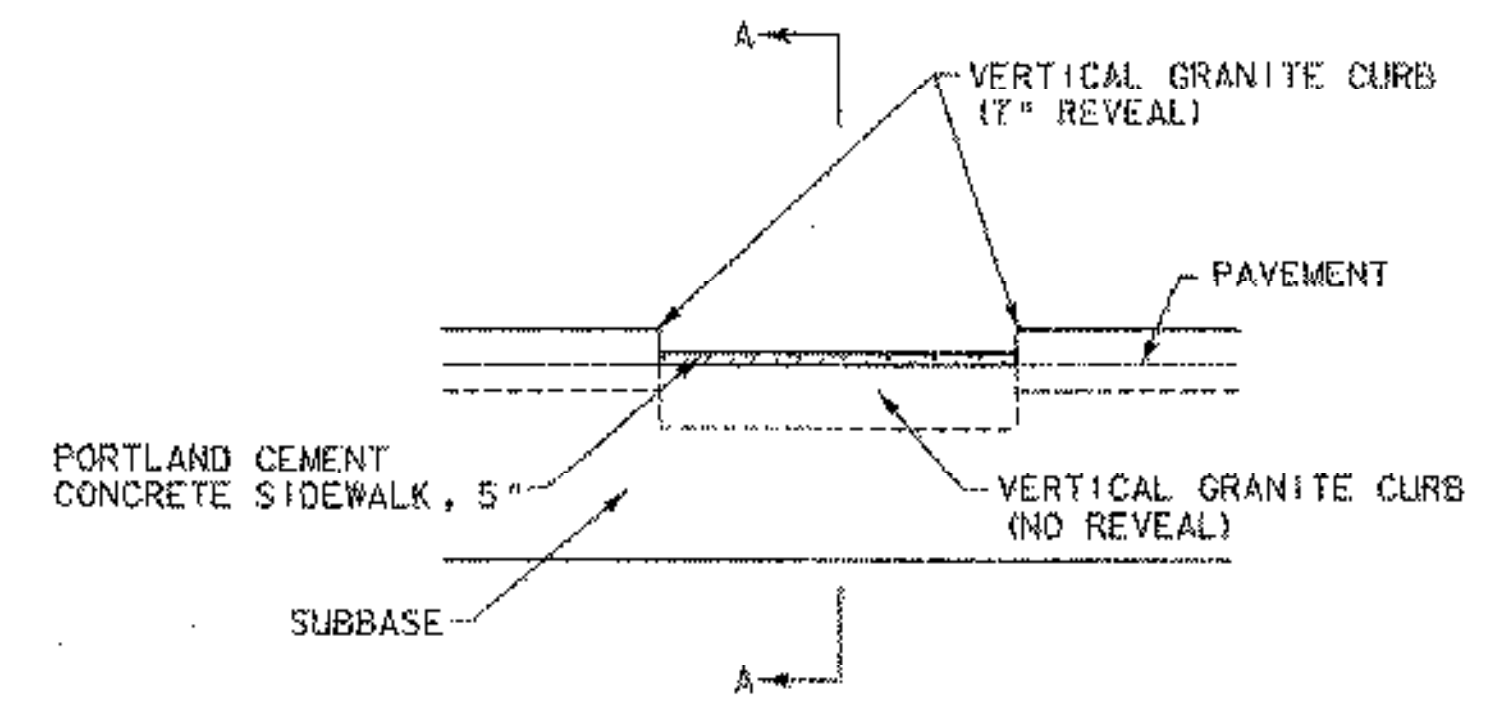
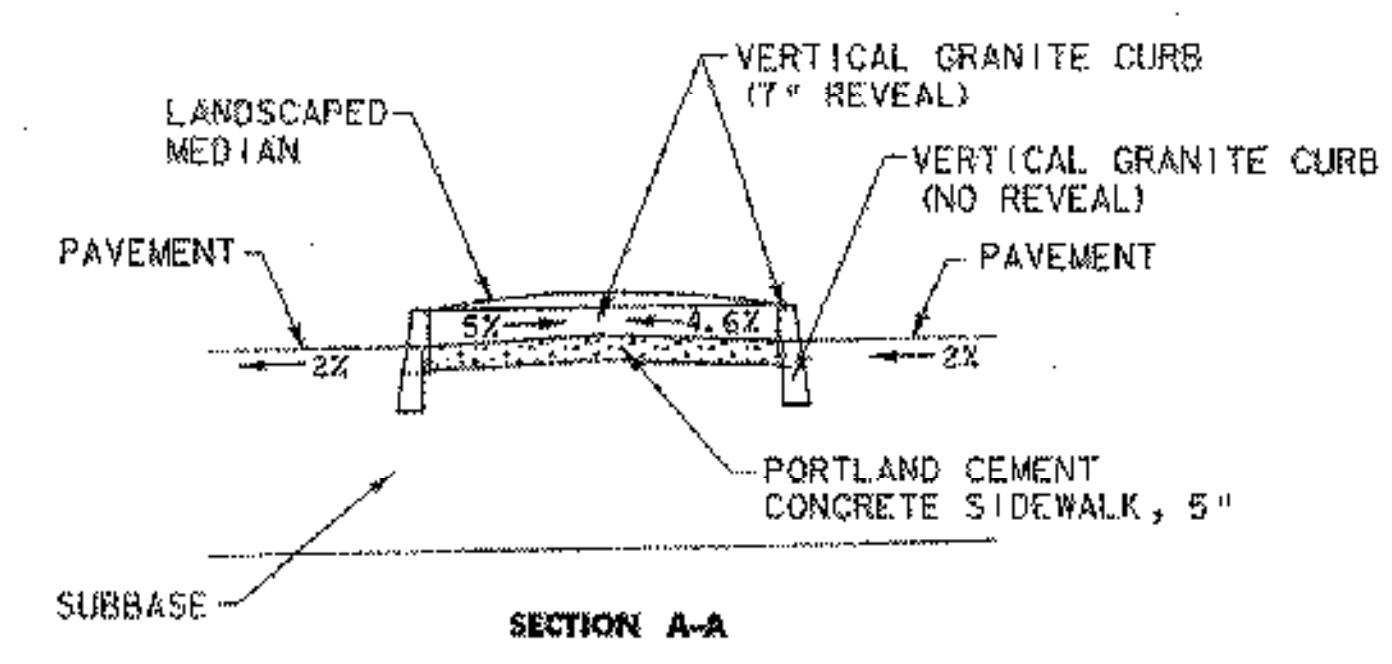
UNDERDRAIN TYPICAL



ACCESS ROAD TYPICAL

NOT TO SCALE
 STA. 9+90 - STA. 12+50
 OVERLAY - 1 1/2" BITUMINOUS CONCRETE PAVEMENT (ONE LIFT-TYPE III)
 CURBED SHOULDER - 1 1/2" BITUMINOUS CONCRETE PAVEMENT (ONE LIFT-TYPE III)
 2" BITUMINOUS CONCRETE PAVEMENT (ONE LIFT-TYPE I)
 16 1/2" SUBBASE OF DENSE GRADED CRUSHED STONE

LEVELING COURSE OF BITUMINOUS CONCRETE PAVEMENT (TYPE IV) TO BE APPLIED AS DIRECTED BY THE ENGINEER.
 * FINISH GRADE TO BE APPROXIMATELY 1 1/2" ABOVE EXISTING.
 MATCH EXISTING BANKING AS DIRECTED BY THE ENGINEER



MEDIAN BREAK DETAIL

NOT TO SCALE
 STA. 2+50.00
 STA. 3+75.00

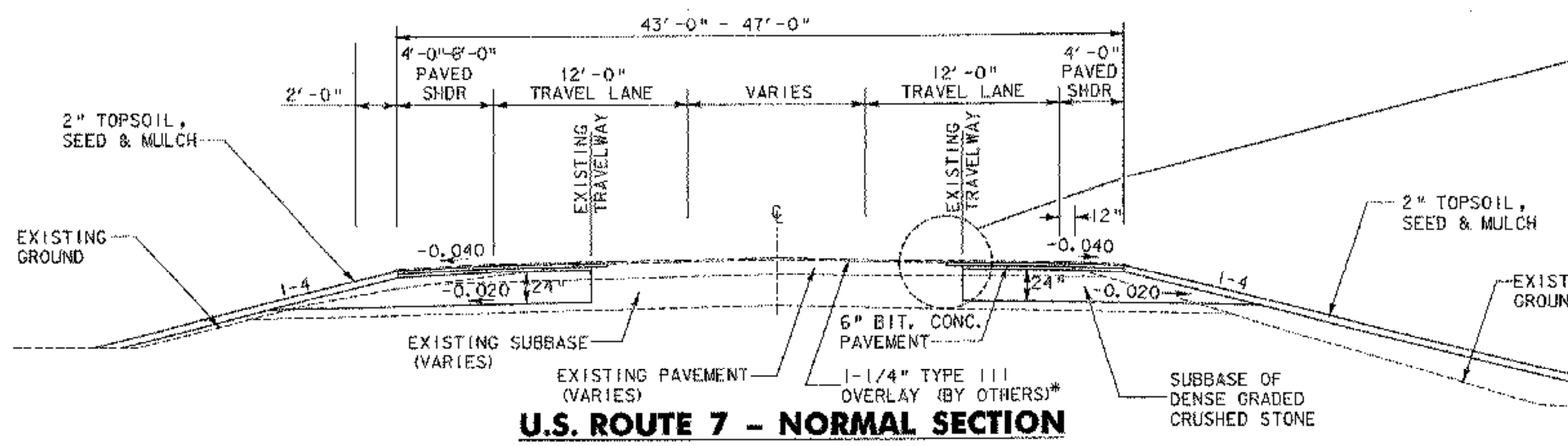
GENERAL NOTES

1. THE PROPOSED WORK ON U.S. ROUTE 7 WITHIN THE SCOPE OF THIS PROJECT ENCOMPASSES THE WIDENING OF THE EXISTING ROADWAY TO THE LIMIT SHOWN ON THE PLANS INCLUDING SUBBASE, CURB AND TWO 3" LIFTS OF BITUMINOUS CONCRETE PAVEMENT (TYPE I). A PROPOSED RESURFACING PROJECT WILL INCLUDE THE WEARING COURSE TYPE III OVERLAY. ALL PAVEMENT MARKINGS ASSOCIATED WITH THE U.S. ROUTE 7 PORTION OF THIS PROJECT WILL BE PAINT, AND THE DURABLE MARKINGS WILL BE APPLIED AS PART OF THE FUTURE OVERLAY PROJECT.
2. SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-5.
3. PAY LIMITS OF SAND BORROW: WHEN USED IN CONJUNCTION WITH UNDERDRAIN - SEE STANDARD SHEET D-2.
4. EMULSIFIED ASPHALT SHALL BE APPLIED AT THE RATE OF 0.015 GAL/SY ON EXISTING PAVEMENT, ON COLD PLANED SURFACES, AND BETWEEN SUCCESSIVE COURSES OF PAVEMENT OR AS DIRECTED BY THE ENGINEER.
5. ALL EXISTING STRUCTURES THAT ARE REMOVED SHALL BE RETURNED TO THE VTRANS DISTRICT 5 MAINTENANCE FACILITY UNLESS OTHERWISE NOTED.
6. THE LOCATION OF THE U.S. ROUTE 7 RIGHT-OF-WAY IN THE BRENTWOOD DRIVE AREA IS BASED ON PREVIOUS SURVEY BY OTHERS. ITS LOCATION IS NOTED AS "UNCLEAR" IN THE GONYEAU ROAD AREA. ALL OTHER R.O.W. WIDTHS ARE ASSUMED TO BE 4 RODS (66'), 33' EACH SIDE OF CENTERLINE.
7. AT LEAST ONE-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES AT THE ENTRANCE TO THE VTRANS MAINTENANCE FACILITY AT THE END OF THE ACCESS ROAD.



PROJECT NAME: COLCHESTER PARK-AND-RIDE	PLOT DATE: 07/08/02
PROJECT NUMBER: CMG PARK(18)S	DRAWN BY: GGG
FILE NAME: zK062fr.m.dgn	CHECKED BY: GAE
PROJECT LEADER: WLD	TYPICAL SHEET #1
DESIGNED BY: CSP	SHEET 3 OF 56

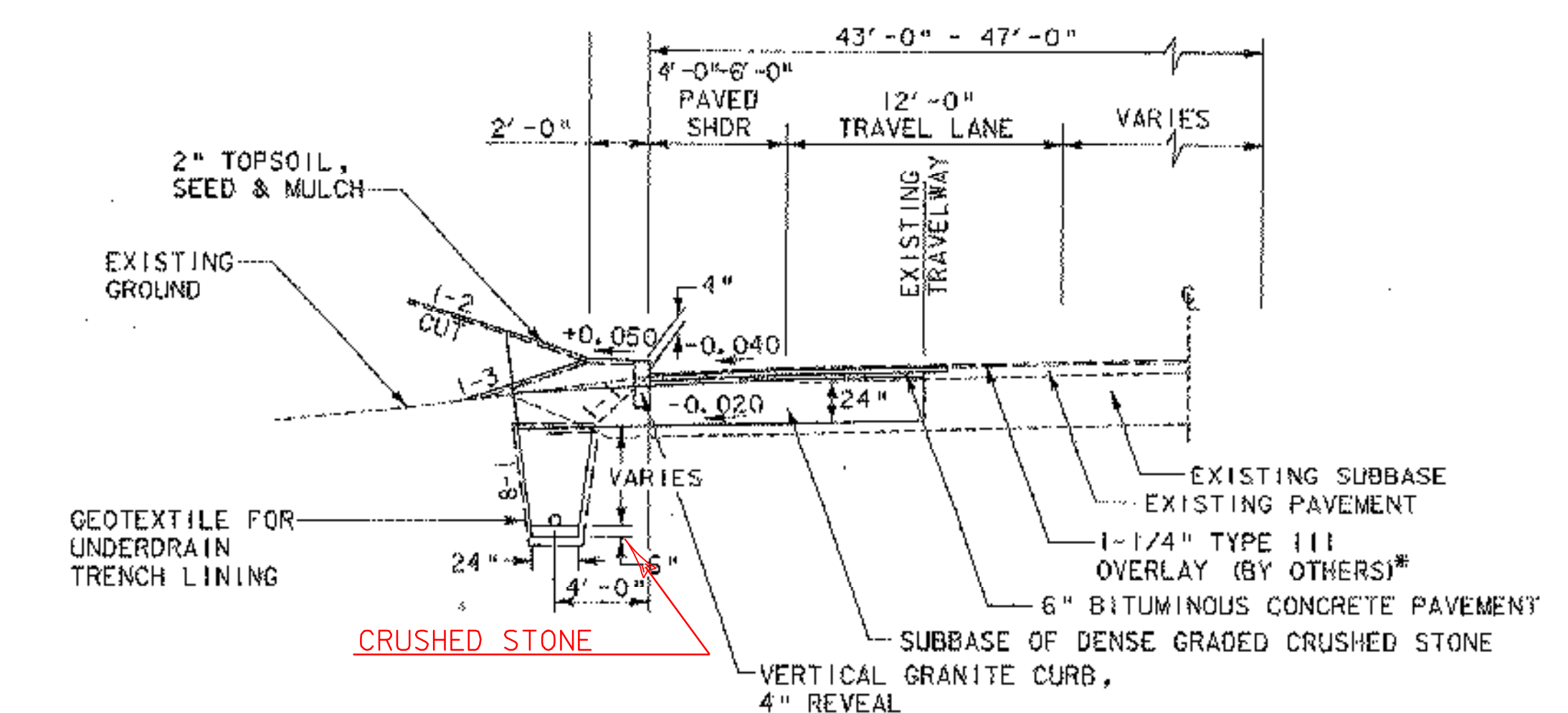
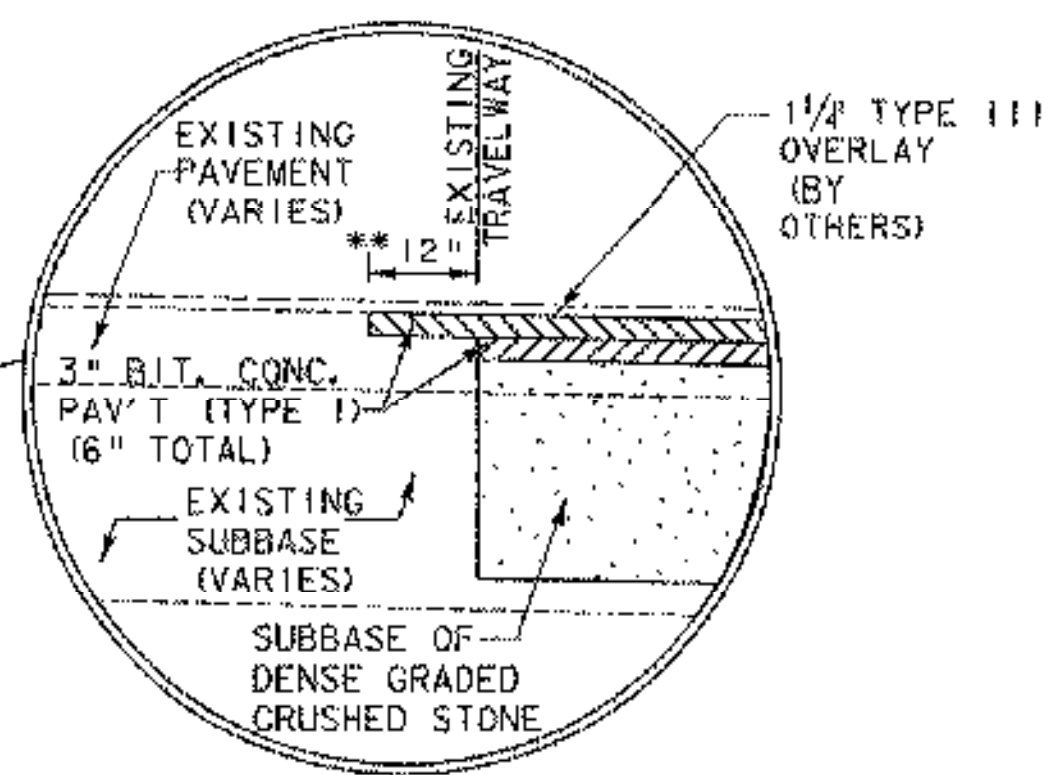
TYPICAL SECTIONS



OVERLAY: STA. 17+60 - STA. 19+67
 1 1/4" BITUMINOUS CONCRETE PAVEMENT (ONE LIFT - TYPE III) - (BY OTHERS)

WIDENED SHOULDERS: 1 1/4" BITUMINOUS CONCRETE PAVEMENT (ONE LIFT - TYPE III) - (DONE BY OTHERS)
 6" BITUMINOUS CONCRETE PAVEMENT (TWO LIFTS - TYPE I)
 24" SUBBASE OF DENSE GRADED CRUSHED STONE

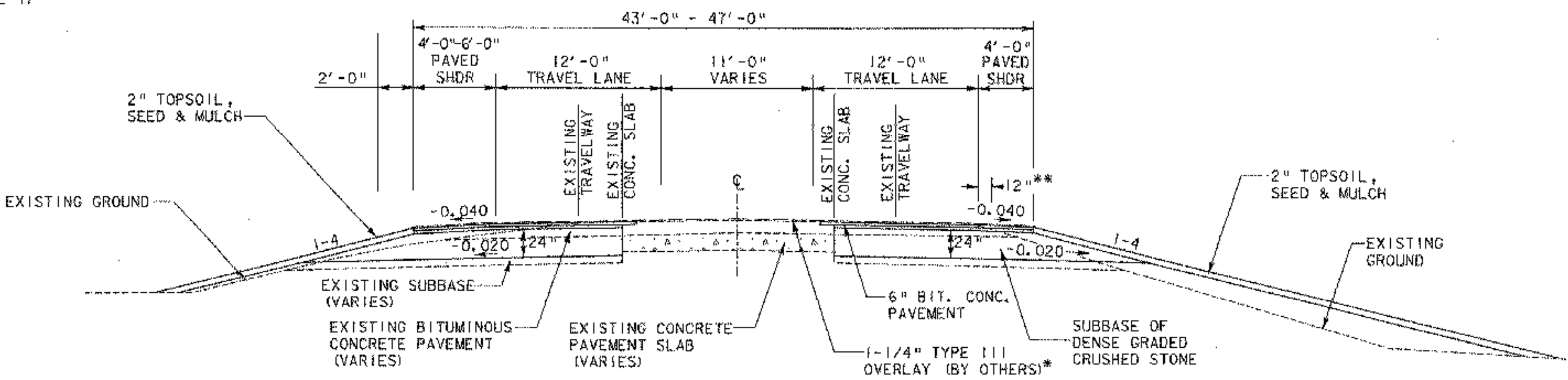
* FINISH GRADE (DONE BY OTHERS) TO BE APPROXIMATELY 1/4" ABOVE EXISTING, MATCH EXISTING BANKING AS DIRECTED BY THE ENGINEER
 ** STAGGER LONGITUDINAL SAW CUT JOINT



OVERLAY: 1 1/4" BITUMINOUS CONCRETE PAVEMENT (ONE LIFT - TYPE III) - (BY OTHERS)

WIDENED SHOULDERS: 1 1/4" BITUMINOUS CONCRETE PAVEMENT (ONE LIFT - TYPE III) - (BY OTHERS)
 6" BITUMINOUS CONCRETE PAVEMENT (TWO LIFTS - TYPE I)
 24" SUBBASE OF DENSE GRADED CRUSHED STONE

* FINISH GRADE (DONE BY OTHERS) TO BE APPROXIMATELY 1/4" ABOVE EXISTING, MATCH EXISTING CROSS SLOPES ON TRAVEL LANES AS DIRECTED BY THE ENGINEER
 ** STAGGER LONGITUDINAL SAW CUT JOINT



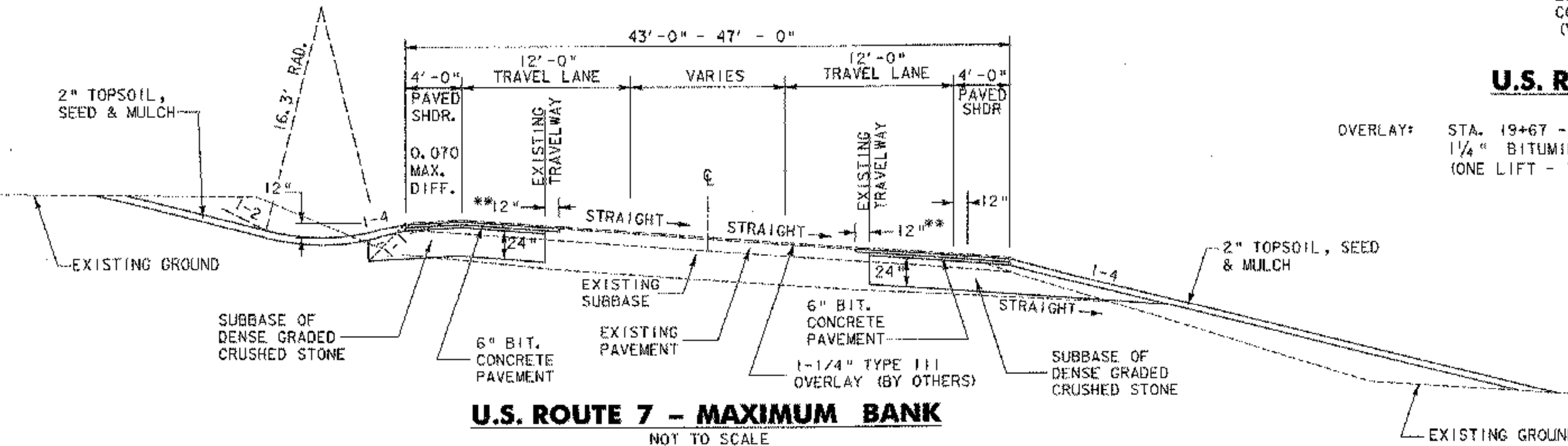
OVERLAY: STA. 19+67 - STA. 27+32
 1 1/4" BITUMINOUS CONCRETE PAVEMENT (ONE LIFT - TYPE III) - (BY OTHERS)

WIDENED SHOULDERS: 1 1/4" BITUMINOUS CONCRETE PAVEMENT (ONE LIFT - TYPE III) - (BY OTHERS)
 6" BITUMINOUS CONCRETE PAVEMENT (TWO LIFTS - TYPE I)
 24" SUBBASE OF DENSE GRADED CRUSHED STONE

* FINISH GRADE (DONE BY OTHERS) TO BE APPROXIMATELY 1/4" ABOVE EXISTING, MATCH EXISTING CROSS SLOPES ON TRAVEL LANES AS DIRECTED BY THE ENGINEER
 ** STAGGER LONGITUDINAL SAW CUT JOINT

NOTES:

- EXISTING CONCRETE PAVEMENT SLAB EXPECTED UNDER BITUMINOUS PAVEMENT BETWEEN U.S. ROUTE 7 STA. 19+67 AND STA. 27+32 AT A DEPTH OF 8.5" TO 12" BELOW SURFACE (PER PLAN ENTITLED "BRENTWOOD PARK" DATED 3/19/97, REVISED 9/18/97 BY LAMOUREAX, STONE & O'LEARY)
- CONTRACTOR SHALL LOCATE THE EDGE OF THE EXISTING CONCRETE PAVEMENT SLAB ALONG BOTH SIDES OF U.S. ROUTE 7. THE PROPOSED ROAD CONSTRUCTION SHALL BEGIN AT THE EDGE OF THE EXISTING CONCRETE PAVEMENT SLAB AND EXTEND OUT TOWARDS THE SHOULDER AS SHOWN ON TYPICAL SECTION.



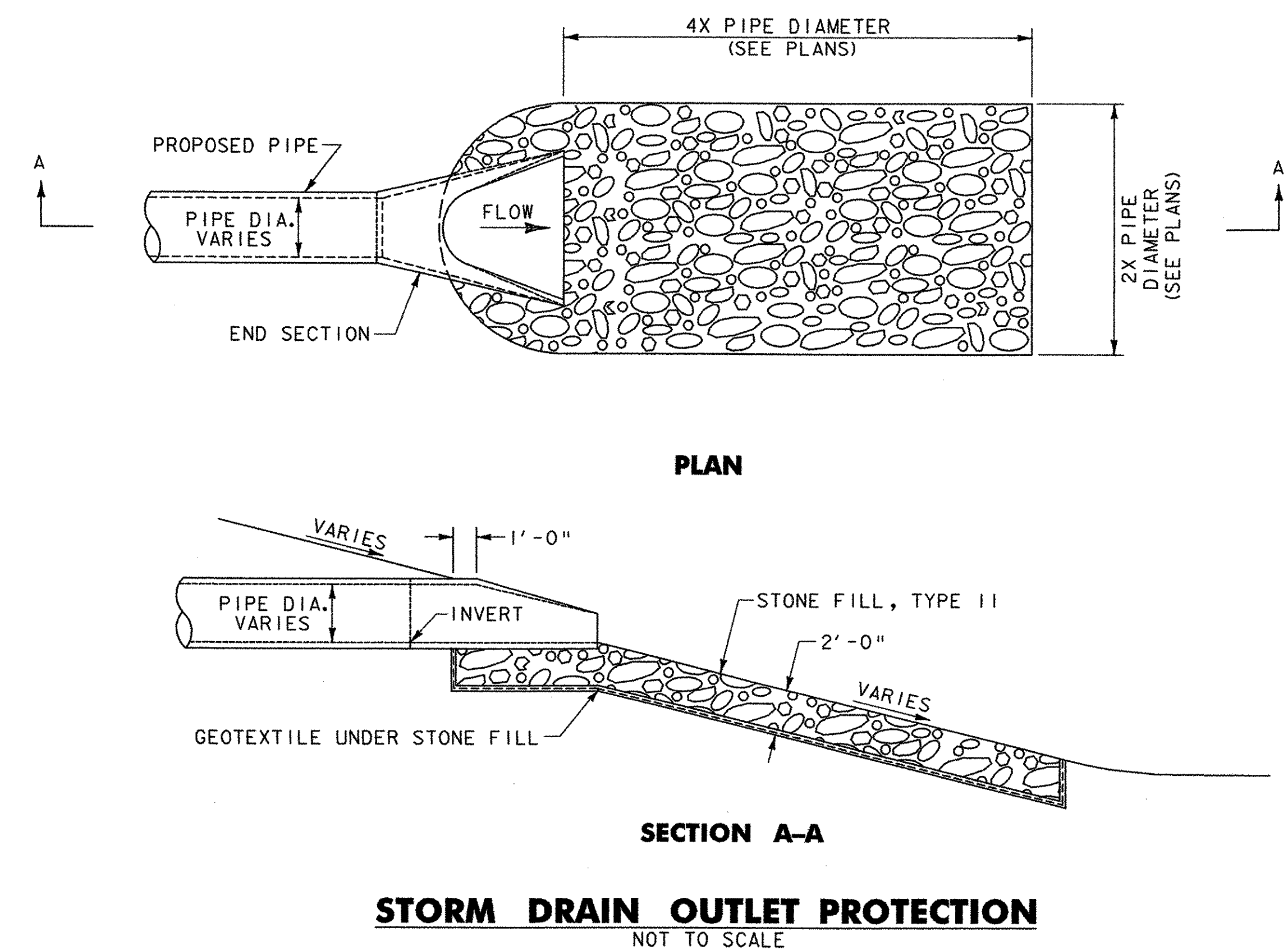
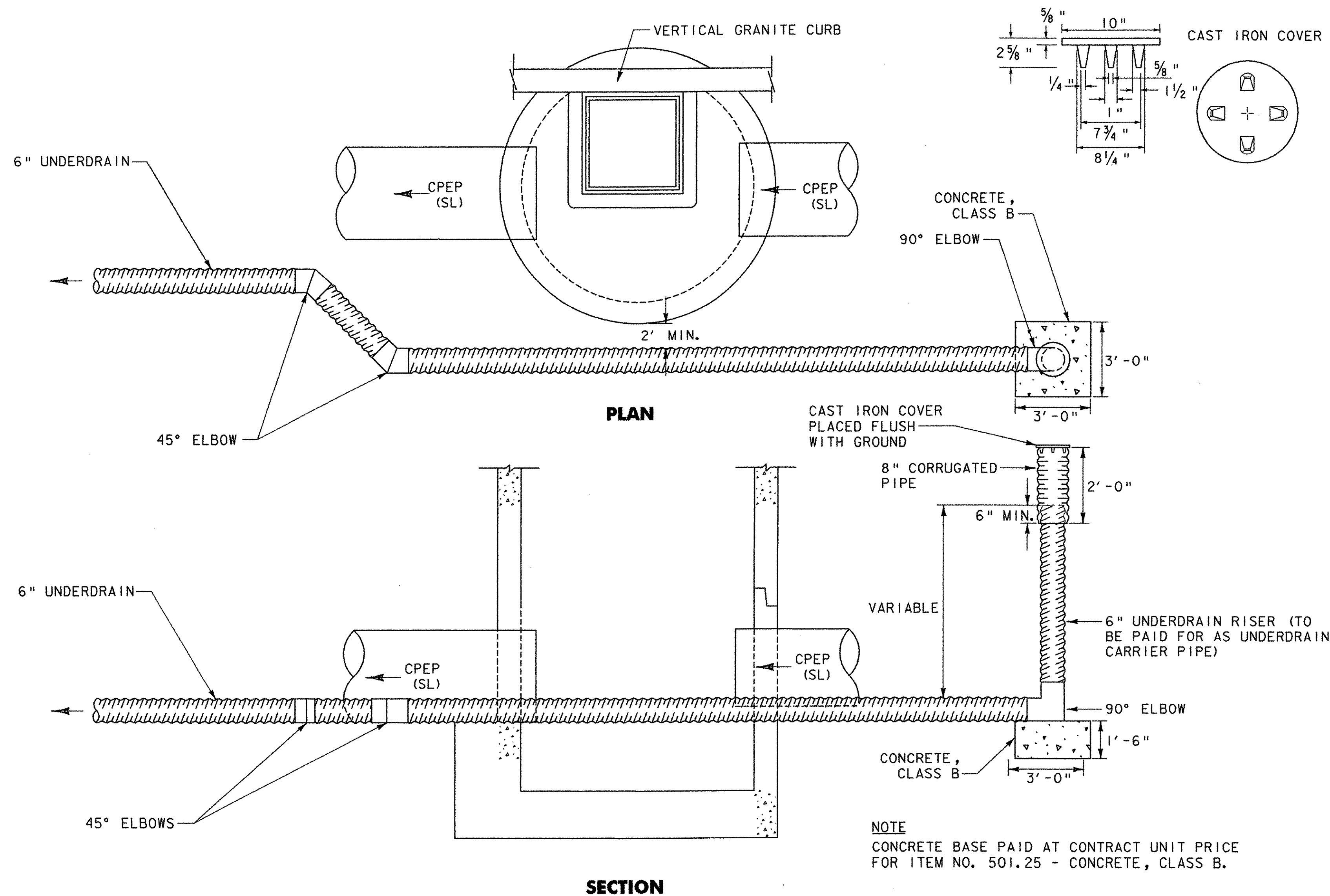
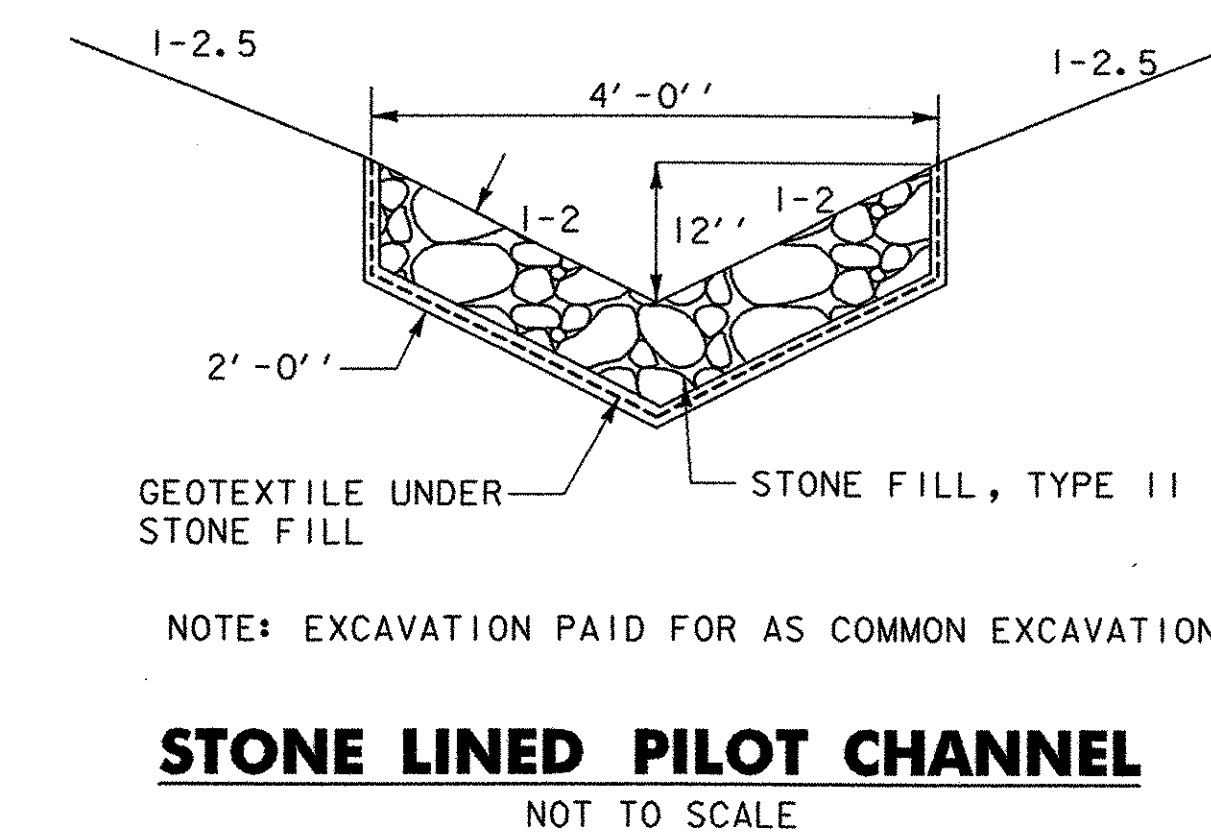
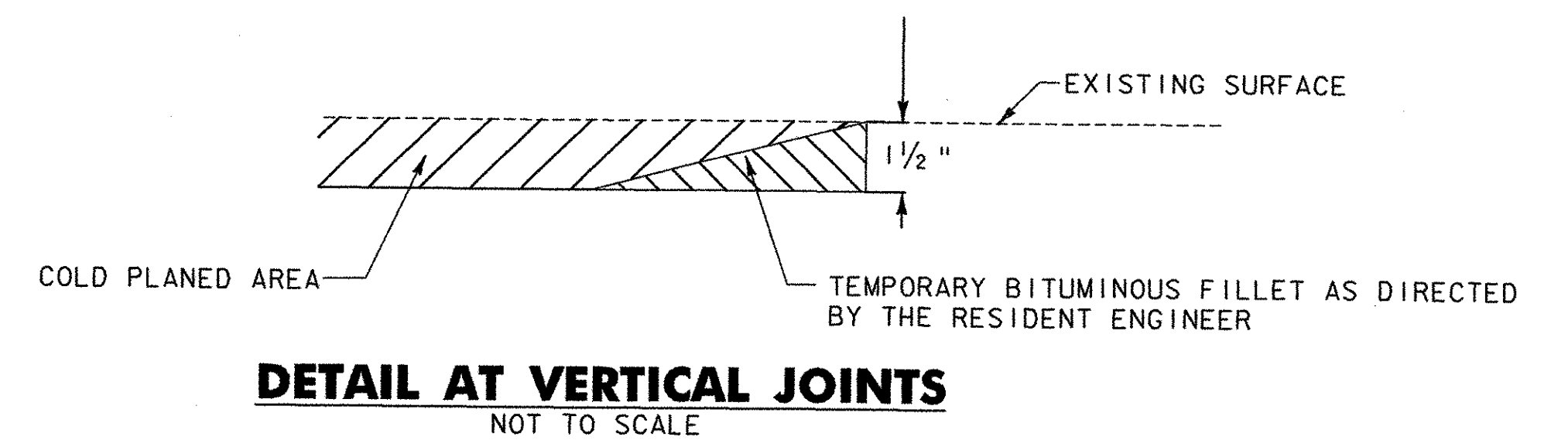
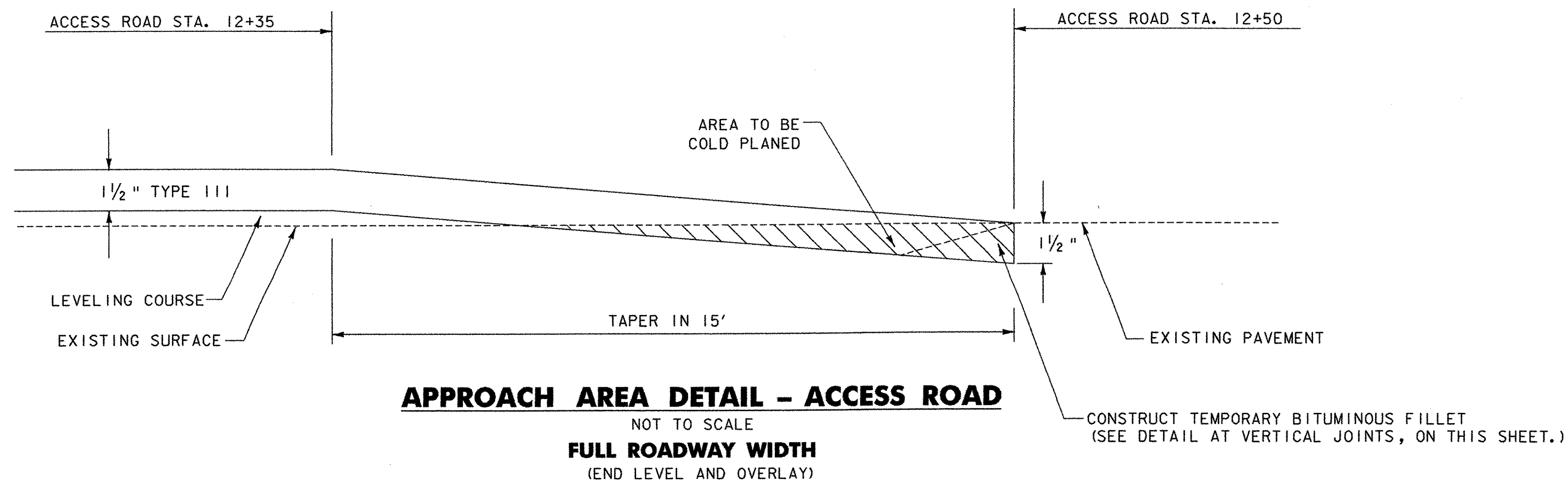
OVERLAY: STA. 20+00 - STA. 37+08
 1 1/4" BITUMINOUS CONCRETE PAVEMENT (ONE LIFT - TYPE III) - (BY OTHERS)

WIDENED SHOULDERS: 1 1/4" BITUMINOUS CONCRETE PAVEMENT (ONE LIFT - TYPE III) - (DONE BY OTHERS)
 6" BITUMINOUS CONCRETE PAVEMENT (TWO LIFTS - TYPE I)
 24" SUBBASE OF DENSE GRADED CRUSHED STONE

* FINISH GRADE (DONE BY OTHERS) TO BE APPROXIMATELY 1/4" ABOVE EXISTING, MATCH EXISTING BANKING AS DIRECTED BY THE ENGINEER
 ** STAGGER LONGITUDINAL SAW CUT JOINT



PROJECT NAME:	COLCHESTER PARK-AND-RIDE
PROJECT NUMBER:	CMG PARK(18)S
FILE NAME:	zk062frm.dgn
PROJECT LEADER:	WLD
DESIGNED BY:	CSP
TYPICAL SHEET #2	
PLOT DATE:	07/08/02
DRAWN BY:	GGG
CHECKED BY:	GAE
SHEET	4 OF 56



DH Dufresne-Henry	PROJECT NAME: COLCHESTER PARK-AND-RIDE	PLOT DATE: 07/08/02
	PROJECT NUMBER: CMG PARK(I8)S	DRAWN BY: GGG
	FILE NAME: zk062frm.dgn	CHECKED BY: GAE
	PROJECT LEADER: WLD DESIGNED BY: CSP	SHEET 5 OF 56

PAVEMENT AND DRAINAGE DETAIL

C:\VTRANS\PROJECTS\DETAILS\DF - 07/08/02 - 10-30-02.dwg

QUANTITY SHEET

SUMMARY OF ESTIMATED QUANTITIES										TOTALS			DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES		
										ROUND	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	QUANTITIES	UNIT	ITEMS
								ARBOR GARDENS	BRENTWOOD PARK									
								375	1711									
										8598	216	10900		CY	COMMON EXCAVATION	203.15		
										31	1	32		CY	EXCAVATION OF SURFACES AND PAVEMENT	203.28		TRENCH EXCAVATION OF EARTH
										2507	53	2560		CY	SAND BORROW	203.31		ARBOR GARDENS
										59				CY	TRENCH EXCAVATION OF EARTH	204.20	59	CY EXCAVATION FOR PIPES AND UNDERDRAIN
										894	17	970		CY	TRENCH EXCAVATION OF EARTH	204.20		PARK-AND-RIDE
										59	1	60		SY	COLD PLANING - BITUMINOUS PAVEMENT	210.10	88	CY EXCAVATION FOR STRUCTURES
										541	1750	6430		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35	788	CY EXCAVATION FOR PIPES AND UNDERDRAIN
														CY	EXCAVATION FOR DRAINAGE PADS		2	CY EXCAVATION FOR STONE LINED PILOT CHANNEL
														CY	AGGREGATE SHOULDERS, IN PLACE	402.10	16	CY EXCAVATION FOR STONE LINED PILOT CHANNEL
										1	5	14		CWT	EMULSIFIED ASPHALT	404.65	953	CY SUBTOTAL
										115	800	2570		TON	BITUMINOUS CONCRETE PAVEMENT(PG 58-28)	406.25	17	CY ROUNDING
														LU	PRICE ADJUSTMENT ASPHALT CEMENT (NOT A BID ITEM)	406.50	970	CY TOTAL
														CY	CONCRETE, CLASS B	501.25		SUBBASE OF DENSE GRADED CRUSHED STONE
														LB	REINFORCING STEEL	507.15		ARBOR GARDENS
														LF	METAL HAND RAILING (MOD.)	525.15	541	CY US ROUTE 7
														LF	18" CPEP (SL)	601.2615	1750	CY BRENTWOOD PARK US ROUTE 7
														EACH	18" CPEPES	601.7015		PARK-AND-RIDE
														EACH	CONCRETE CATCH BASIN WITH CAST IRON GRATE	604.10	2243	CY PARKING LOT
														EACH	CHANGING ELEVATION OF DI'S, CB'S, OR MH'S	604.40	53	CY ACCESS ROAD
														EACH	CAST IRON GRATE WITH FRAME, TYPE D	604.47	1714	CY U.S. ROUTE 7
										307		1130		LF	6" UNDERDRAIN	605.10	6301	CY SUBTOTAL
														LF	6" UNDERDRAIN CARRIER PIPE	605.20	129	CY ROUNDING
														EACH	UNDERDRAIN FLUSHING BASINS	605.95	6430	CY TOTAL
														HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I (NOT A BID ITEM)	608.25		BITUMINOUS CONCRETE PAVEMENT (PG 58-28)
														HR	TRUCK RENTAL (NOT A BID ITEM)	608.37		ARBOR GARDENS
														MGAL	DUST CONTROL WITH WATER	609.10	115	T US ROUTE 7
														TON	DUST AND ICE CONTROL WITH CALCIUM CHLORIDE	609.15		BRENTWOOD PARK
														CY	STONE FILL, TYPE II	613.11	800	T US ROUTE 7
										266		2110		LF	VERTICAL GRANITE CURB	616.21		PARK-AND-RIDE
														SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10	778	T PARKING LOT/BUS LOOP
														LF	CHAIN LINK FENCE, 6 FEET (MOD.)	620.12	92	T ACCESS ROAD
														LF	WOVEN WIRE FENCE WITH WOOD POSTS (SPLIT RAIL FENCE) (MOD.)	620.26	738	T U.S. ROUTE 7
														LF	REMOVING AND RESETTING FENCE	620.50		SUBTOTAL
														LF	REMOVE AND RESET GUARD RAIL	621.75	2523	T ROUNDING
														LF	REMOVAL AND DISPOSAL OF GUARD RAIL	621.80	47	T TOTAL
														LF	REMOVAL AND DISPOSAL OF GUARD RAIL (MOD.)	621.80		
														HR	UNIFORMED TRAFFIC OFFICERS	630.10		
														HR	FLAGGERS	630.15		
														LS	FIELD OFFICE - ENGINEERS	631.10		
														LS	TESTING EQUIPMENT - CONCRETE	631.16		
														LS	TESTING EQUIPMENT - BITUMINOUS	631.17		
														LU	FIELD OFFICE - TELEPHONE (NOT A BID ITEM)	631.25		



PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: quantity sheet.xls
 PROJECT LEADER: WLD
 DESIGNED BY: CSP
 QUANTITY SHEET #1

PLOT DATE: 9/20/2002
 DRAWN BY: GGG
 CHECKED BY: CSP
 SHEET 6 OF 56

QUANTITY SHEET

SUMMARY OF ESTIMATED QUANTITIES										TOTALS			DESCRIPTIONS		DETAILED SUMMARY OF QUANTITIES									
										ARBOR GARDENS	BRENT-WOOD PARK	LANDSCAPING	EROSION CONTROL	PARK-AND-RIDE QUANTITY	ROUND	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	QUANTITIES	UNIT	ITEMS	
														1	EST.	1		LS	MOBILIZATION	635.10				
														1	EST.	1		LS	TRAFFIC CONTROL	641.10				
										830	2350			1539	91	4810		LF	4" WHITE LINE	646.20				
										830	2850			2157	113	5950		LF	4" YELLOW LINE	646.21				
											230			246	14	490		LF	8" YELLOW LINE	646.23				
											45			31	2	78		LF	24" STOP BAR	646.26				
											30			30	0	60		EACH	LETTER OR SYMBOL	646.30				
														3416	64	3480		LF	DURABLE 4" WHITE LINE	646.40				
														1945	35	1980		LF	DURABLE 4" YELLOW LINE	646.41				
														33	1	34		LF	DURABLE 24" STOP BAR	646.46				
														20	0	20		EACH	DURABLE LETTER OR SYMBOL	646.50				
										830					70	900		LF	TEMPORARY 4" WHITE LINE	646.60				
										830					70	900		LF	TEMPORARY 4" YELLOW LINE	646.61				
														76	4	80		LF	TEMPORARY 24" STOP BAR	646.66				
														21	0	21		EACH	TEMPORARY LETTER OR SYMBOL	646.70				
											30			31	1	62		EACH	LINE STRIPING TARGETS	646.76				
											650			549	21	1220		SF	REMOVAL OF EXISTING PAVEMENT MARKINGS	646.85				
														4313	87	4400		SY	GEOTEXTILE FOR ROADBED SUBGRADE SEPARATOR	649.11				
														57	3	60		SY	GEOTEXTILE UNDER STONE FILL	649.31				
										546				910	34	1490		SY	GEOTEXTILE FOR UNDERDRAIN TRENCH LINING	649.41				
										277	680		786		37	1780		SY	GEOTEXTILE FOR SILT FENCE	649.51				
														238	12	250		LB	SEED	651.15				
														595	15	610		LB	FERTILIZER	651.18				
														3	0	3		TON	AGRICULTURAL LIMESTONE	651.20				
														3	0	3		TON	HAY MULCH (MOD.)	651.25				
													37		0	37		EACH	HAY BALES FOR EROSION CONTROL	651.26				
														412	8	420		CY	TOPSOIL	651.35				
												16			0	16		EACH	DECIDIOUS TREES (RED MAPLES)	656.30				
												629			1	630		EACH	DECIDIOUS SHRUBS (DAY LILLIES - VARIETIES)	656.35				
												62			3	65		EACH	DECIDIOUS SHRUBS (DWARF JUNIPERS - BROADMOOR TYPE)	656.35				
												62			3	65		EACH	DECIDIOUS SHRUBS (DWARF JUNIPERS - KALLAY TYPE)	656.35				
														1	0	1		LS	ROADSIDE REST FACILITY (BUILDING) (MOD.)	658.10				
											40				85	130		SF	TRAFFIC SIGNS, TYPE A	675.20				
											95				265	380		LF	FLANGED CHANNEL SIGN POST	675.301				
											5				9	14		EACH	REMOVING SIGNS	675.50				
											2				3	5		EACH	ERECTING SALVAGED SIGNS	675.60				
														225	0	225		LF	WIRED CONDUIT, TYPE "A"	678.23				
														482	0	482		LF	WIRED CONDUIT, TYPE "B"	678.23				
														10	0	10		LF	WIRED CONDUIT, TYPE "C"	678.23				
														10	0	10		LF	WIRED CONDUIT (MOD.)	678.23				
														482	0	482		LF	ELECTRICAL CONDUIT SLEEVE	678.30				



PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: quantity sheet.xls
 PROJECT LEADER: WLD
 DESIGNED BY: CSP
 PLOT DATE: 9/20/2002
 DRAWN BY: GGG
 CHECKED BY: CSP
 QUANTITY SHEET #2 SHEET 7 OF 66

ITEM DETAIL SHEET

CURB					SIDEWALK					GUARD RAIL						UNDERDRAIN											
BEGIN STATION	END STATION	POSITION		REMARKS	BEGIN STATION	END STATION	POSITION		REMARKS	BEGIN STATION	END STATION	POSITION		END TREATMENT		BEGIN STATION	END STATION	PIPE NO.	POSITION	DIA.	LENGTH	TRENCH		GRANULAR BACKFILL	FB	MKR PST	
		LEFT FT	RIGHT FT				LEFT SY	RIGHT SY				LEFT FT	RIGHT FT	BEGIN EA	END EA							EARTH CY	ROCK CY				EA
PARK & RIDE					PARK & RIDE											UNDERDRAIN											
1+30	4+40		310		1+30	4+74		134																			
1+30	4+47	317			2+47	2+50		1								2+74	4+52	U1	LT	6	178	48				1	
1+52	4+88		699		3+72	3+75		1								1+21	2+74	U2	LT	6	150	66				1	
2+44	2+47		5													4+37	2+74	U3	RT	6	164	42				1	
2+50	2+53		5													1+21	2+74	U4	RT	6	151	73				1	
3+69	3+72		5		Subtotal			136								Subtotal					643	229				4	
3+75	3+78		5		Rounding			4								Subtotal											
4+40	4+74		53		Project Total			140								Subtotal											
Subtotal		317	1082													Subtotal											
Total		1399														Rounding											
ACCESS ROAD																CLEAN-OUTS											
10+35	12+28	193														1+21	1+21		LT	6	5.35*						
Subtotal		193	0													1+21	1+21		RT	6	6*						
Total		193														4+37	4+37		RT	6	2.1*						
U.S. ROUTE 7																US ROUTE 7											
18+00	22+75	475														18+00	22+50	U6	LT	6	450						
Subtotal		475	0													Subtotal						450					
Total		475														Subtotal					1108.15	229				4	
Project Subtotal		2067														Rounding					22	0				0	
Rounding		43														Total 6" Underdrain					1130.15	229				4	
Project Total		2110														UD CARRIER PIPE											
																US ROUTE 7											
																17+60	18+00	U5	LT	6	40	191**					
																22+50	23+50	U7	LT	6	100	-					
																Subtotal					140	191					
																Rounding					0	0					
																TOTAL 6" UD CARRIER PIPE					140	191					
																* FLUSHING BASIN RISER PIPES PAID FOR AS 6" UNDERDRAIN											
																** TOTAL T.E. FOR U5, U6, U7											



PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: item details sheet.xls
 PROJECT LEADER: WLD
 DESIGNED BY: CSP
 ITEM DETAIL SHEET

PLOT DATE: 5/30/02
 DRAWN BY: GGG
 CHECKED BY: CSP
 SHEET 9 OF 56

GPS CONTROL POINTS

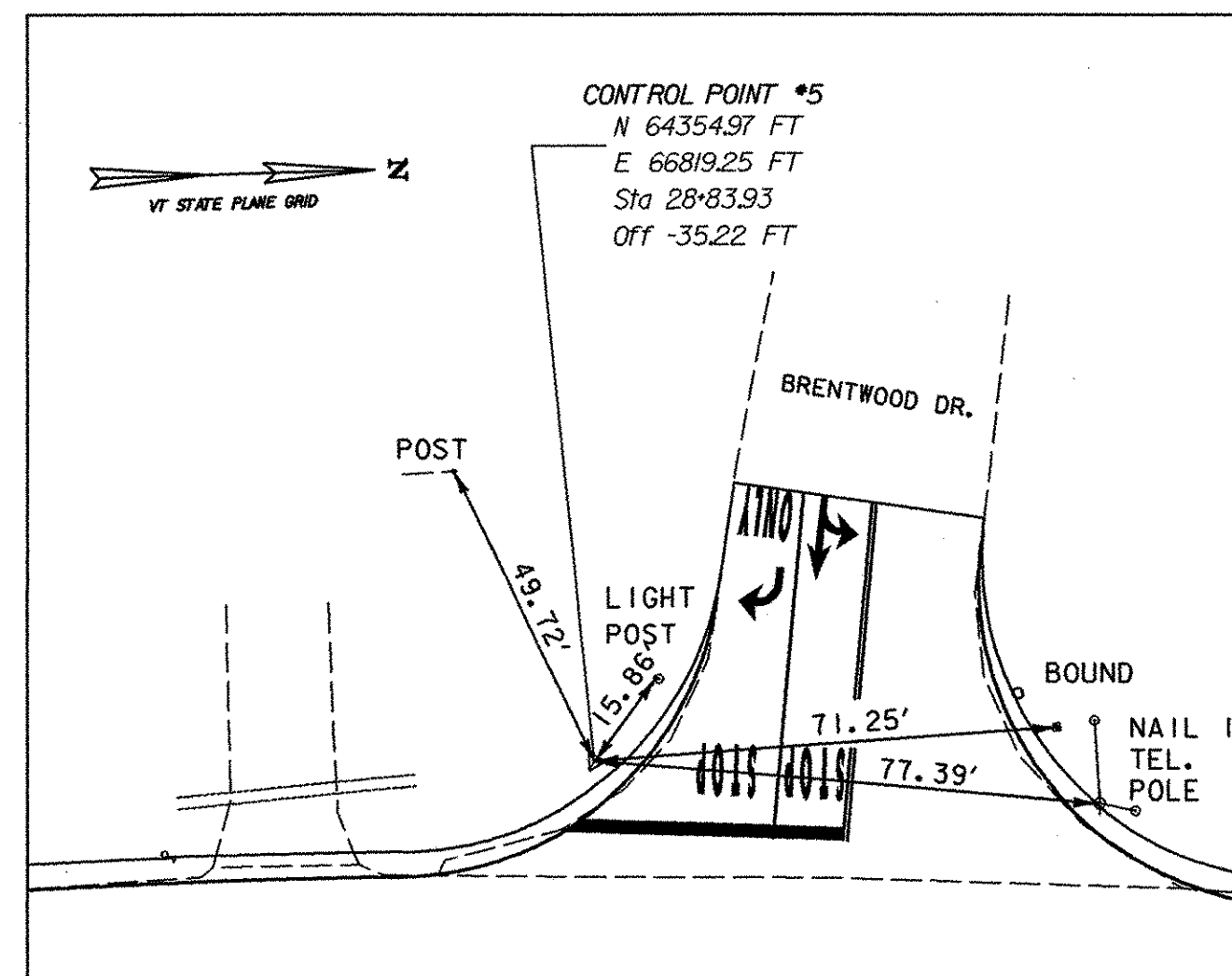
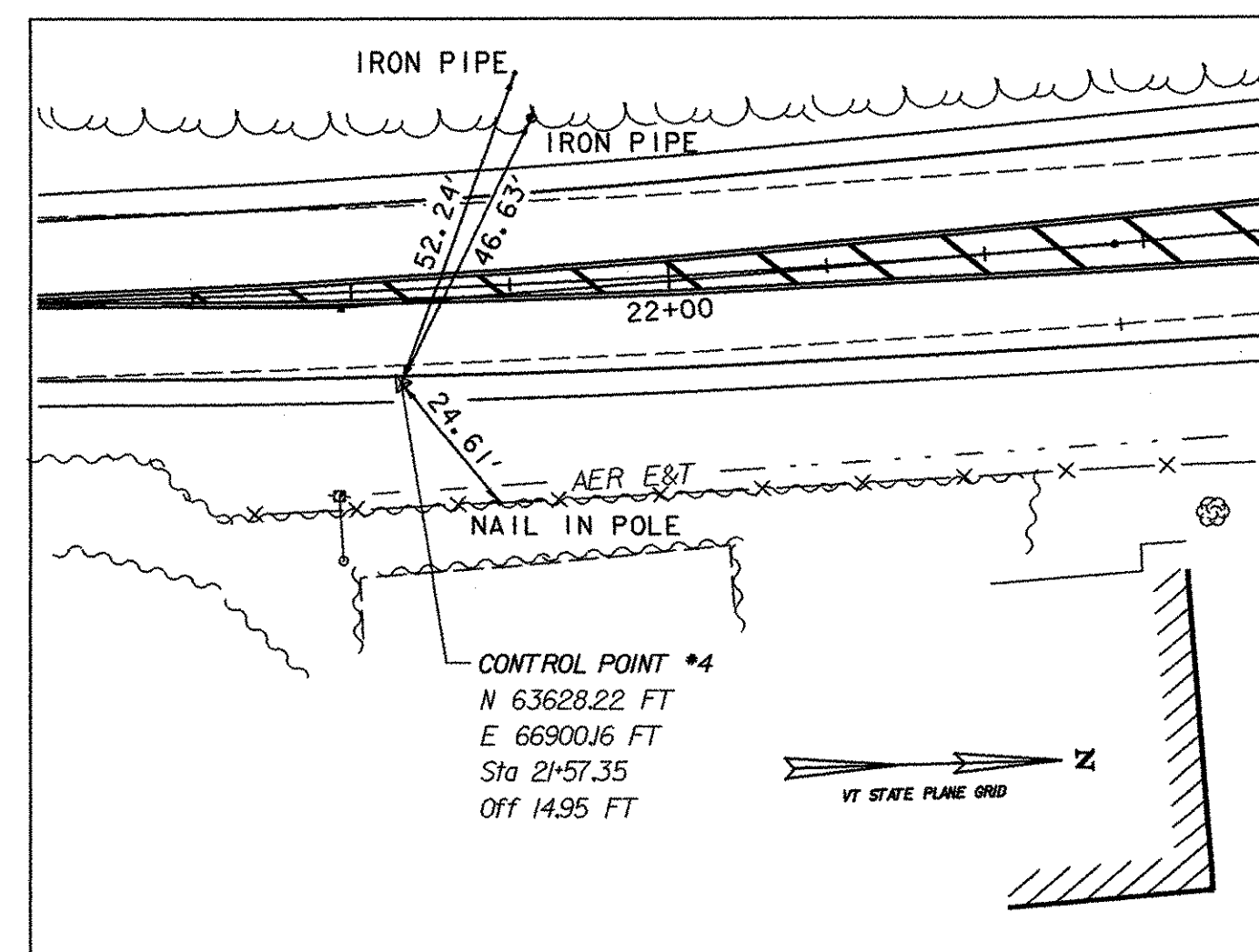
EXIT 17 RESET 1987

DIRECTION	ACTUAL GRID POINTS		SHIFT TO FIT MICROSTATION DESIGN PLANE	PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH		
N	232390.050	762433.022'	-700,000	62433.022'
E	446829.822	1465974.173'	-1,400,000	65974.173'
Z	70.100 m	230.00'	N/A	230.00'

GENERAL LOCATION, COLCHESTER, VT.
 THE MARK IS 19.5 M (64.0 FT) EAST OF THE EAST END OF THE U.S. ROUTE 2 BRIDGE OVER I-89 AT EXIT 17, BEHIND THE GUARD RAIL ON THE SOUTH SIDE OF U.S. ROUTE 2. IT IS SET FLUSH WITH GROUND SURFACE IN THE TOP OF A 30 CM DIAMETER CONCRETE MONUMENT POURED 1.4 M (4.6 FT) DEEP. IT IS 0.8 M (2.6 FT) SOUTH OF AND ABOUT LEVEL WITH THE SOUTH EDGE OF PAVEMENT OF U.S. ROUTE 2, 17.2 M (56.4 FT) EAST OF THE SOUTHEAST CORNER OF THE BRIDGE ABUTMENT, 0.8 M (2.6 FT) SOUTH OF A STEEL BEAM GUARD RAIL, AND 0.3 M (1.0 FT) NORTH OF A FIBERGLASS WITNESS POST.

- TO ALLOW THE STATE PLANE COORDINATES TO FIT THE AGENCY DESIGN PLANE, SUBTRACT 700,000 FROM THE NORTHING AND SUBTRACT 1,400,000 FROM THE EASTING.
- DESCRIPTION PROVIDED BY VERMONT AGENCY OF TRANSPORTATION GEODETIC SURVEY UNIT

TRAVERSE TIES



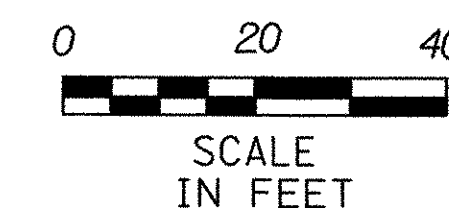
ALIGNMENT TIES

EXIT 17 RESET AZ MK 1987

DIRECTION	ACTUAL GRID POINTS		SHIFT TO FIT MICROSTATION DESIGN PLANE	PROJECT SPECIFIC COORDINATE POINTS
	METRIC	ENGLISH		
N	232659.293	763316.363'	-700,000	63316.363'
E	446042.200	1463390.116'	-1,400,000	63390.116'
Z	74.51 m	244.50'	N/A	244.50'

GENERAL LOCATION, COLCHESTER, VT.
 TO REACH FROM THE WEST END OF THE U.S. ROUTE 2 BRIDGE OVER I-89 AT EXIT 17 GO WEST ALONG U.S. ROUTE 2 FOR 0.5 MI (0.8 KM) TO THE MARK ON THE LEFT, SET IN THE TOP OF A MASSIVE ROCK OUTCROP AT THE TOP OF A LEDGE CUT. THE MARK IS 21.2 M (69.6 FT) SOUTH OF AND ABOUT 6 M (7.9 FT) HIGHER THAN THE CENTERLINE OF U.S. ROUTE 2, 2.4 M (7.9 FT) SOUTH OF THE NORTH EDGE OF THE LEDGE CUT, 9.6 M (31.5 FT) NORTHWEST OF A 10 CM ELM, AND 9.3 M (30.5 FT) NORTH OF A FIBERGLASS WITNESS POST IN THE RIGHT OF WAY FENCE.

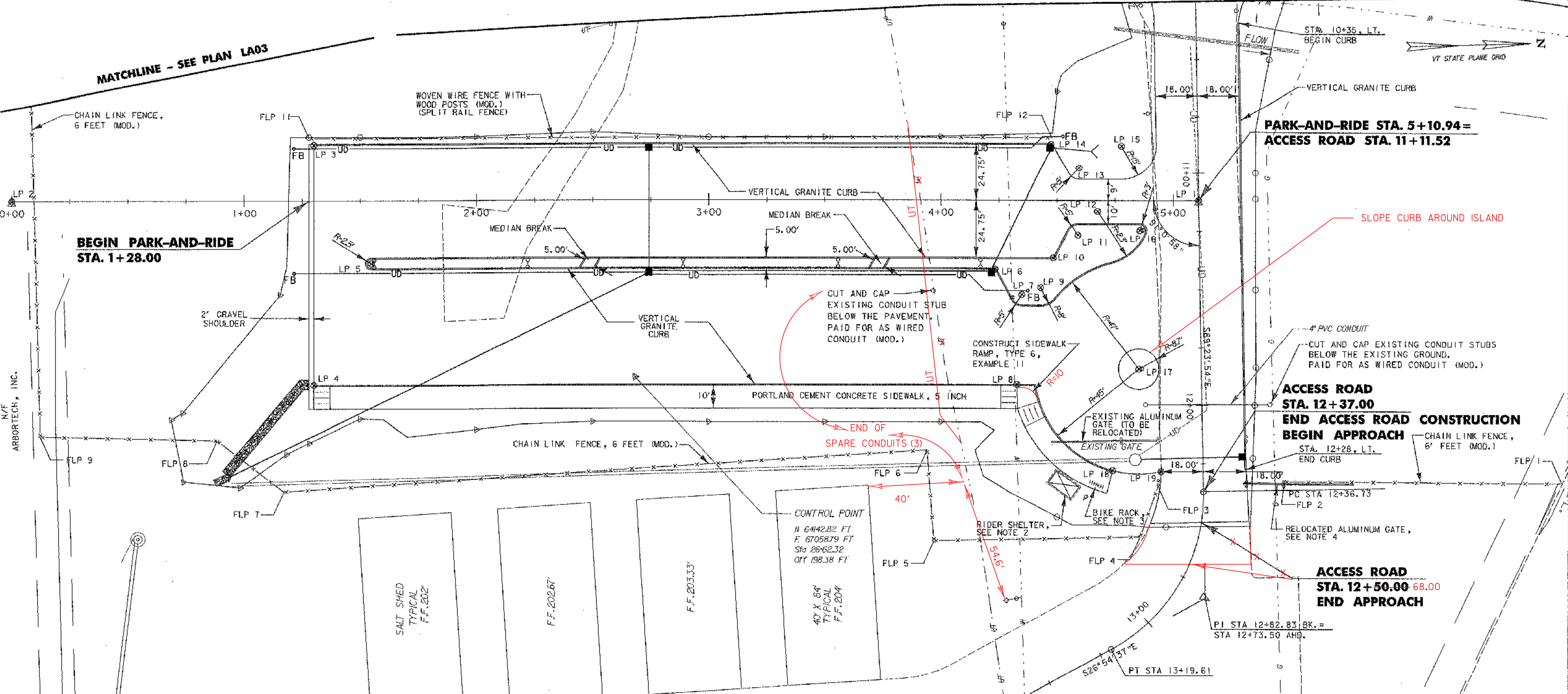
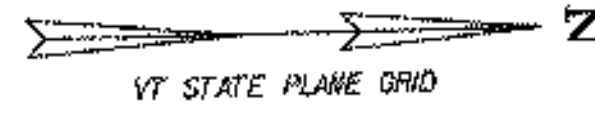
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (1996)
ADJUSTMENT	none



PROJECT NAME:	COLCHESTER PARK-AND-RIDE
PROJECT NUMBER:	CMG PARK(18)S
FILE NAME:	zk062+ties.dgn
PROJECT LEADER:	WLD
DESIGNED BY:	CSP
SURVEY CONTROL AND TIES	
PLOT DATE:	07/08/02
DRAWN BY:	GGG
CHECKED BY:	GAE
SHEET	12 OF 56

MATCHLINE - STA. 10+25 - SEE PLAN LA04

MATCHLINE - SEE PLAN LA03



N/F ARBORTECH, INC.

WOVEN WIRE FENCE WITH WOOD POSTS (MOD.) (SPLIT RAIL FENCE)
 PARK-AND-RIDE STA. 1+28 TO 4+47, LT.
 FOR LAYOUT INFORMATION, SEE SHEET 16.

REMOVING AND RESETTING FENCE
 REMOVE FROM ACCESS ROAD STA. 12+34, RT.
 RESET TO ACCESS ROAD STA. 12+34, LT.

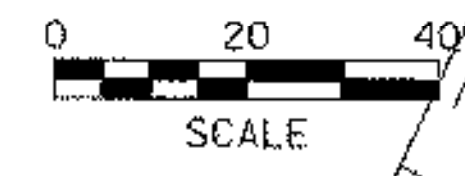
CONSTRUCT RIDER SHELTER & BIKE RACK
 ACCESS ROAD STA. 12+34, RT.

CHAIN LINK FENCE, 6 FEET (MOD.)
 PARK-AND-RIDE STA. 0+08, LT. TO ACCESS ROAD STA. 12+34, RT.
 ACCESS ROAD STA. 12+33 TO 12+36, LT.
 FOR LAYOUT INFORMATION, SEE SHEET 18.

VERTICAL GRANITE CURB
 ACCESS ROAD STA. 10+35 TO 12+28, LT.
 PARK-AND-RIDE STA. 1+30 TO 4+40, RT.
 PARK-AND-RIDE STA. 1+30 TO 4+47, LT.
 PARK-AND-RIDE STA. 1+52 TO 4+86, RT.
 PARK-AND-RIDE STA. 2+44 TO 2+47, RT.
 PARK-AND-RIDE STA. 2+50 TO 2+53, RT.
 PARK-AND-RIDE STA. 3+69 TO 3+72, RT.
 PARK-AND-RIDE STA. 3+75 TO 3+78, RT.
 PARK-AND-RIDE STA. 4+40 TO 4+74, RT.

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
 PARK-AND-RIDE STA. 1+30 TO 4+74, RT.
 PARK-AND-RIDE STA. 2+47 TO 2+50, RT.
 PARK-AND-RIDE STA. 3+72 TO 3+75, RT.

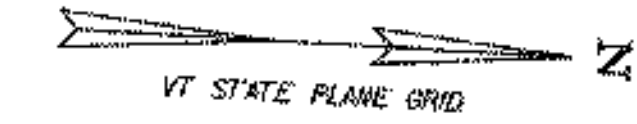
- NOTES**
- FOR CURVE DATA AND STATIONS, OFFSETS AND COORDINATES FOR THE ALIGNMENT LAYOUT POINTS, SEE SHEET 18.
 - ALL QUANTITIES CONTAINED WITHIN 6 INCHES OF OUTSIDE OF DRIP EDGE OF RIDER SHELTER TO BE PAID FOR UNDER PAY ITEM 658.10 ROADSIDE REST FACILITY (MOD.).
 - BIKE RACK TO BE PAID FOR UNDER PAY ITEM 525.45 METAL HAND RAILING (MOD.).
 - REMOVAL AND RELOCATION OF ALUMINUM GATE TO BE PAID FOR UNDER PAY ITEM NO. 620.50 REMOVING AND RESETTING FENCE



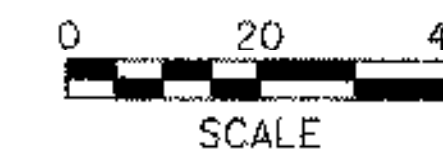
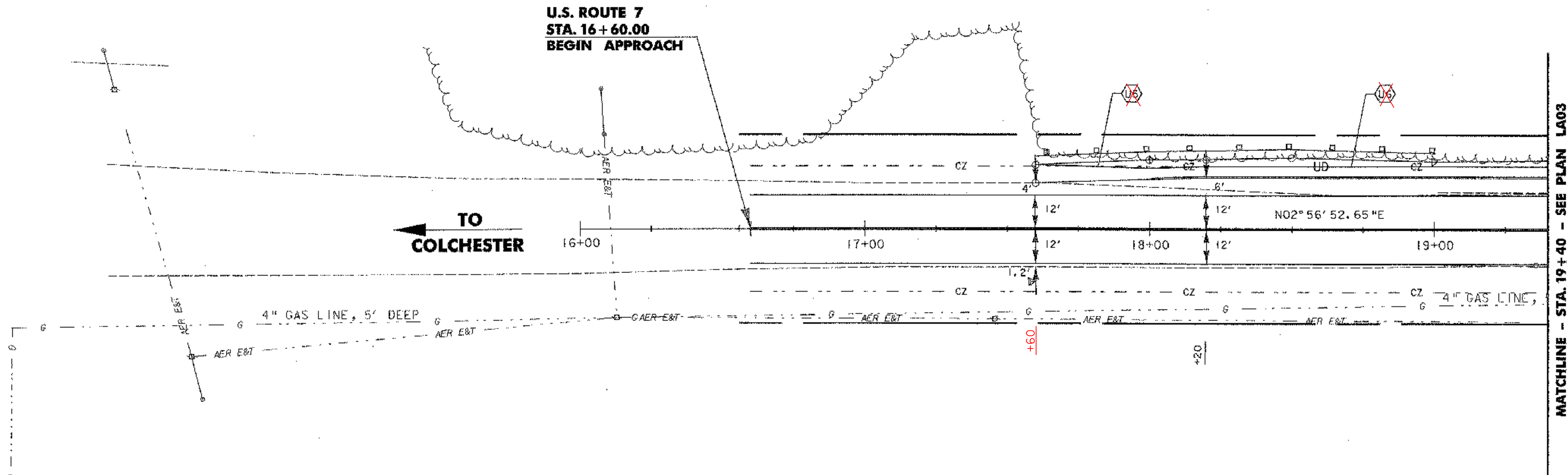
PROJECT NAME:	COLCHESTER PARK-AND-RIDE	FILE NAME:	LA01.PTF	PLOT DATE:	07/08/02
PROJECT NUMBER:	CMG PARK(18)	PROJECT LEADER:	WLD	DRAWN BY:	MAM
		DESIGNED BY:	CSP	CHECKED BY:	GAE
		PARK-AND-RIDE LAYOUT LA01		SHEET 13	OF 56

VERTICAL GRANITE CURB
 U.S. ROUTE 7 STA. 18+00 TO 19+40, LT.
 GEOTEXTILE FOR SILT FENCE
 U.S. ROUTE 7 STA. 17+60 TO 19+00, LT.

U5 U.S. ROUTE 7 STA. 17+60 TO 18+00, LT.
 NEW 6" X 40" UNDERDRAIN CARRIER PIPE,
 INV. IN = 223.02, INV. OUT = 222.75
 U6 U.S. ROUTE 7 STA. 18+00 TO 19+40, LT.
 NEW 6" X 40" UNDERDRAIN,
 INV. IN = 222.75, INV. OUT AT STA. 22+50 = 216.28



- NOTE
1. ASSUMED 4-ROD RIGHT-OF-WAY
 2. SILT FENCE TO BE PLACE WITHIN RIGHT-OF-WAY
 3. SEE VTrans STANDARD C-1 FOR CURB END TREATMENT DETAILS



PROJECT NAME:	COLCHESTER PARK-AND-RIDE
PROJECT NUMBER:	CMG PARK(18)S
FILE NAME:	LA02.PTF
PROJECT LEADER:	WLD
DESIGNED BY:	CSP
RTE. 7 LAYOUT & EROSION LA02	
PLOT DATE:	07/08/02
DRAWN BY:	GGG
CHECKED BY:	GAE
SHEET	14 OF 56

VT STATE PLANE GRID

SOIL BORING LOG SUMMARY
 BASED ON A PLAN ENTITLED "BRENTWOOD PARK" BY
 "LAMOUREAX, STONE & O'LEARY"
 DATED 3/19/97, REVISED 9/18/97

B-9 (AT WHITE LINE):
 U.S. ROUTE 7
 STA. 25+04, 12' RT.
 0-18" PAVEMENT
 18" + GRAVEL

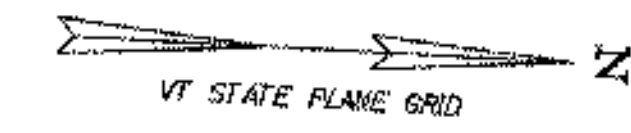
CHAIN LINK FENCE, 6 FEET (MOD.)
 U.S. ROUTE 7 STA. 24+12 TO 24+14, RT.
VERTICAL GRANITE CURB
 U.S. ROUTE 7 STA. 19+40 TO 22+75, LT.
GEOTEXTILE FOR SILT FENCE
 U.S. ROUTE 7 STA. 23+50 TO 25+50, LT.
 U.S. ROUTE 7 STA. 20+19 TO 25+50, RT.

- NOTE**
1. ASSUMED 4-ROD RIGHT-OF-WAY
 2. SILT FENCE TO BE PLACED WITHIN RIGHT-OF-WAY
 3. SEE VTrans STANDARD C-1 FOR CURB END TREATMENT DETAILS

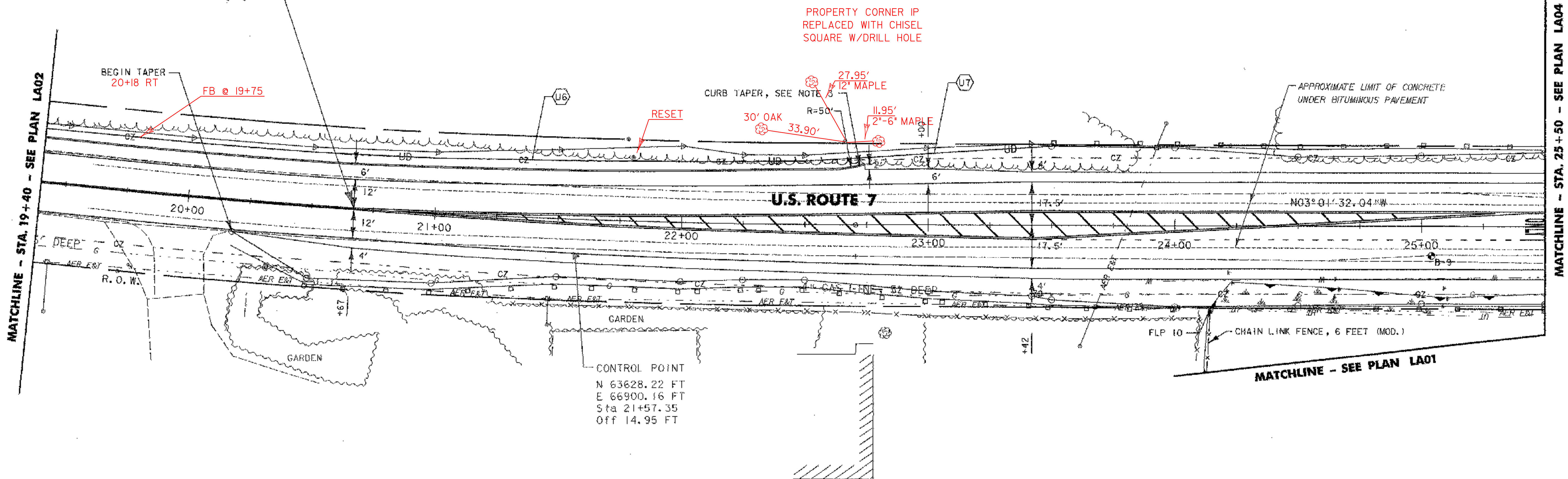
NEW UNDERDRAIN FLUSHING BASIN
 AT INLET STA. 19+75 22' LT

U6 U.S. ROUTE 7 STA. 19+40 TO 22+50, LT.
 NEW 6" X 340' UNDERDRAIN,
 INV IN AT STA 18+00 = 222.27, INV. OUT = 216.28.66

U7 U.S. ROUTE 7 STA. 22+50 TO 25+50, LT.
 NEW 6" X 100' UNDERDRAIN CARRIER PIPE,
 INV IN = 216.28, INV. OUT = 214.39.48
 .66



**U.S. ROUTE 7
 STA. 20+67.00
 END APPROACH
 BEGIN PROJECT
 CMG PARK(18)S**



	PROJECT NAME: COLCHESTER PARK-AND-RIDE
	PROJECT NUMBER: CMG PARK(18)S
	FILE NAME: LA03.PTF
	DESIGNED BY: CSP
PROJECT LEADER: WLD	PLOT DATE: 07/08/02
CHECKED BY: GAE	DRAWN BY: MAM
RT. 7 LAYOUT & EROSION LA03	SHEET 15 OF 56

MATCHLINE - STA. 25+50 - SEE PLAN LA04

MATCHLINE - STA. 19+40 - SEE PLAN LA02

MATCHLINE - SEE PLAN LA01

SOIL BORING LOG SUMMARY
 BASED ON A PLAN ENTITLED "BRENTWOOD PARK" BY
 "LAMOUREAX, STONE & O'LEARY"
 DATED 3/19/97, REVISED 9/18/97

B-1 (13.5' OFF E.O.P.):
 U.S. ROUTE 7
 STA. 26+67, 8' RT.
 0-8.5" PAVEMENT
 8.5" + CONCRETE

B-2 (MID. SHOULDER):
 U.S. ROUTE 7
 STA. 26+77, 16' RT.
 0-3" PAVEMENT
 3"-18" GRAVEL
 18" + SANDY SILT

B-3 (AT E.O.P.):
 U.S. ROUTE 7
 STA. 26+88, 20' RT.
 0-24" GRAVEL

B-4 (AT WHITE LINE):
 U.S. ROUTE 7
 STA. 28+22, 11' RT.
 0-13" PAVEMENT
 13"-18" + GRAVEL

B-5 (MID. SHOULDER):
 U.S. ROUTE 7
 STA. 28+22, 18' RT.
 0-5" PAVEMENT
 5"-18" GRAVEL
 18" + SANDY SILT

B-6 (2' INTO TRAVEL LANE):
 U.S. ROUTE 7
 STA. 27+69, 11' RT.
 0-13" PAVEMENT
 13"-24" GRAVEL

B-10 (2' INTO TRAVEL LANE):
 U.S. ROUTE 7
 STA. 27+13, 7' LT.
 0-12" PAVEMENT
 12" + CONCRETE

B-11 (MID. SHOULDER):
 U.S. ROUTE 7
 STA. 27+10, 14' LT.
 0-5.5" PAVEMENT
 5.5"-18" + GRAVEL

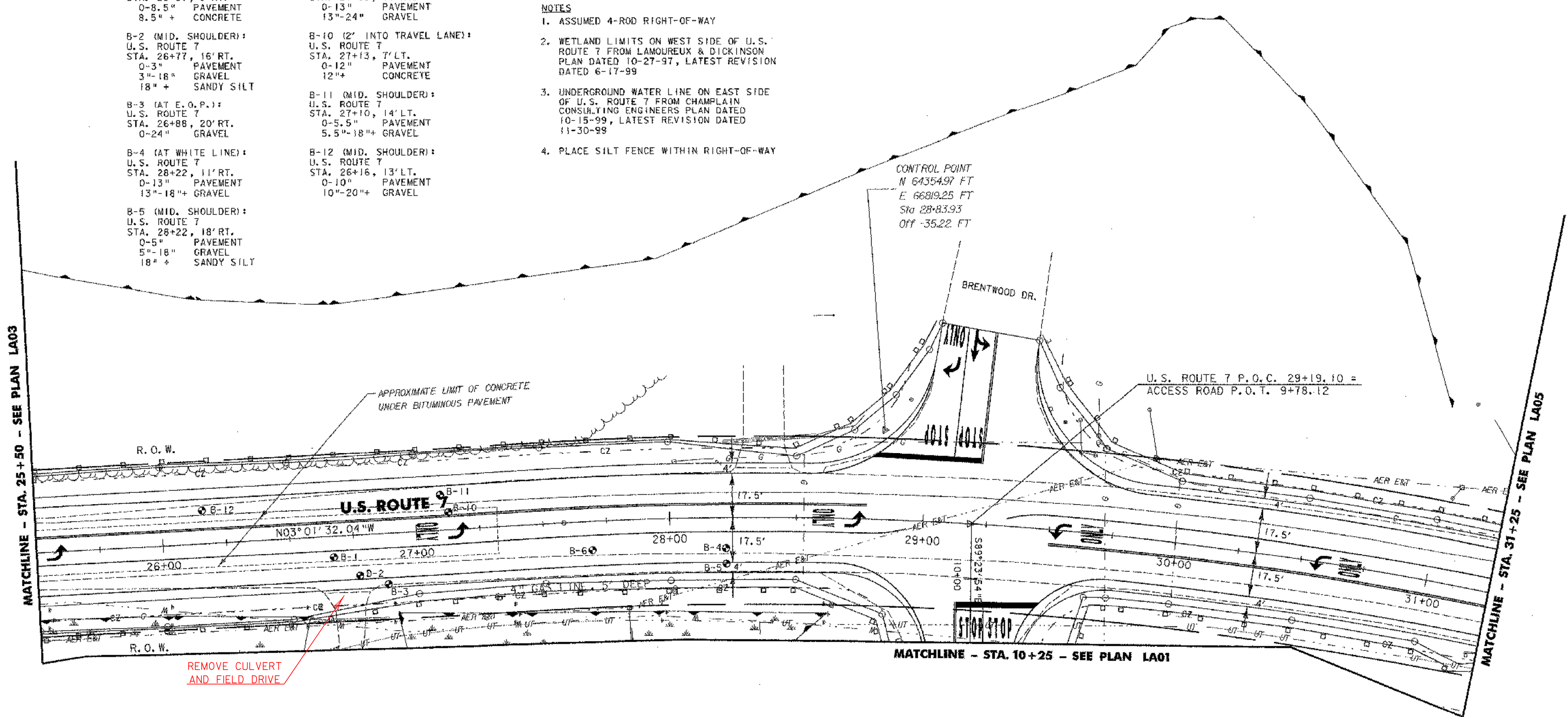
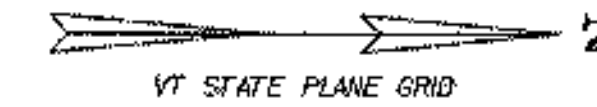
B-12 (MID. SHOULDER):
 U.S. ROUTE 7
 STA. 26+16, 13' LT.
 0-10" PAVEMENT
 10"-20" + GRAVEL

GEOTEXTILE FOR SILT FENCE

U.S. ROUTE 7 STA. 25+50 TO 26+63, RT.
 U.S. ROUTE 7 STA. 25+50 TO 28+28, LT.
 U.S. ROUTE 7 STA. 28+83, RT. TO ACCESS ROAD STA. 10+25, RT.
 U.S. ROUTE 7 STA. 28+47 TO 28+97, LT.
 ACCESS ROAD STA. 10+25, LT. TO U.S. ROUTE 7 STA. 31+25, RT.
 U.S. ROUTE 7 STA. 29+52 TO 31+25, LT.

NOTES

1. ASSUMED 4-ROD RIGHT-OF-WAY
2. WETLAND LIMITS ON WEST SIDE OF U.S. ROUTE 7 FROM LAMOUREUX & DICKINSON PLAN DATED 10-27-97, LATEST REVISION DATED 6-17-99
3. UNDERGROUND WATER LINE ON EAST SIDE OF U.S. ROUTE 7 FROM CHAMPLAIN CONSULTING ENGINEERS PLAN DATED 10-15-99, LATEST REVISION DATED 11-30-99
4. PLACE SILT FENCE WITHIN RIGHT-OF-WAY



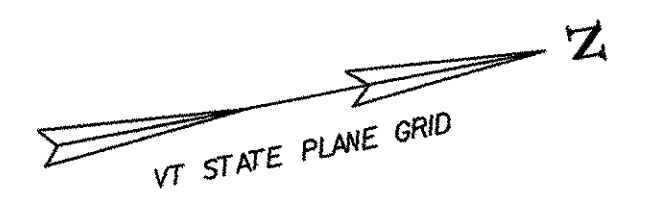
MATCHLINE - STA. 25+50 - SEE PLAN LA03

MATCHLINE - STA. 31+25 - SEE PLAN LA05

REMOVE CULVERT
AND FIELD DRIVE



	PROJECT NAME: COLCHESTER PARK-AND-RIDE	PLOT DATE: 07/08/02
	PROJECT NUMBER: CMG PARK(18)S	DRAWN BY: MAM
	FILE NAME: LA04.PTF	CHECKED BY: GAE
	DESIGNED BY: CSP	SHEET 16 OF 56
RT.7 LAYOUT & EROSION LA04		

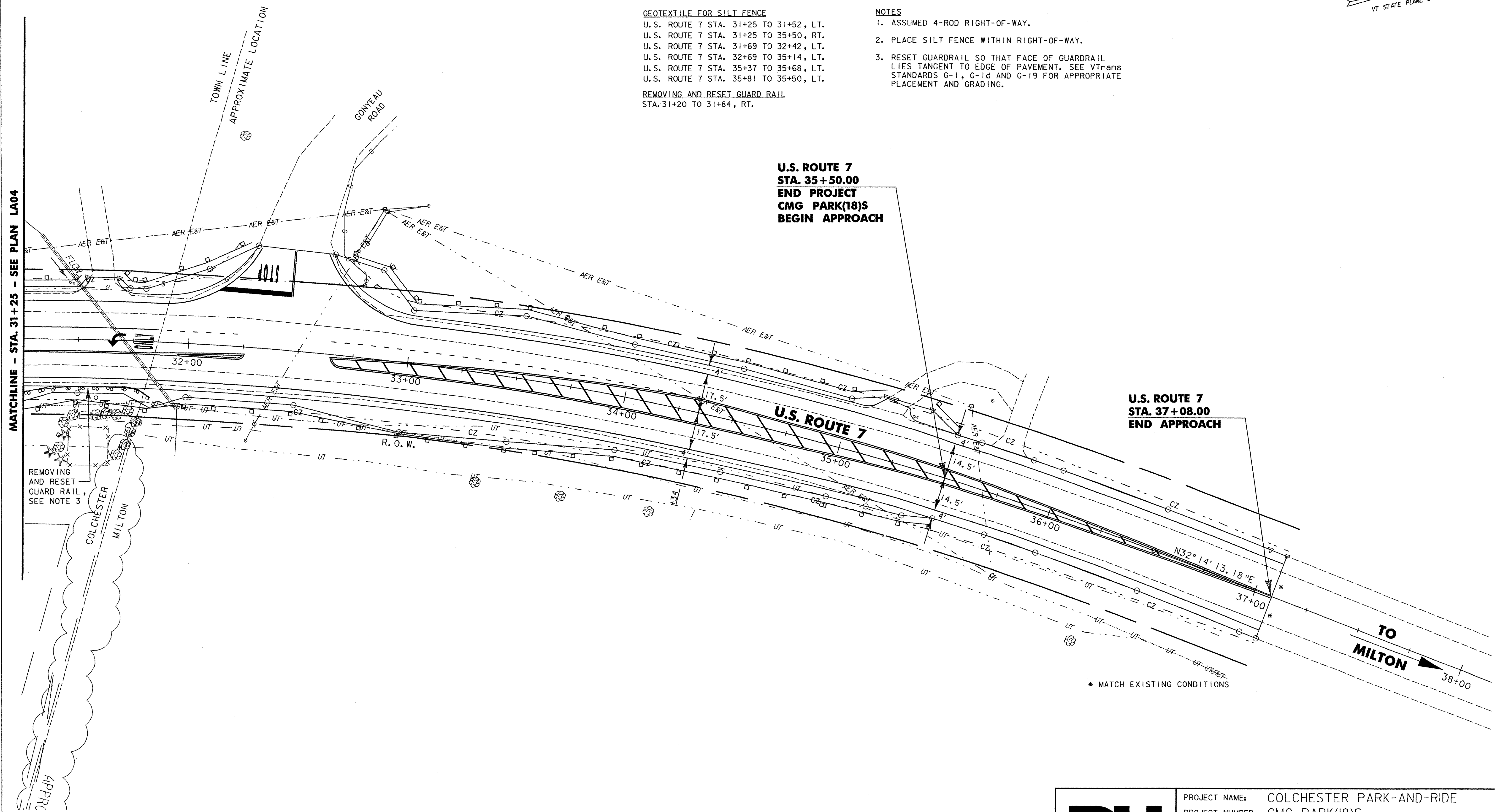


GEOTEXTILE FOR SILT FENCE
 U.S. ROUTE 7 STA. 31+25 TO 31+52, LT.
 U.S. ROUTE 7 STA. 31+25 TO 35+50, RT.
 U.S. ROUTE 7 STA. 31+69 TO 32+42, LT.
 U.S. ROUTE 7 STA. 32+69 TO 35+14, LT.
 U.S. ROUTE 7 STA. 35+37 TO 35+68, LT.
 U.S. ROUTE 7 STA. 35+81 TO 35+50, LT.

REMOVING AND RESET GUARD RAIL
 STA. 31+20 TO 31+84, RT.

NOTES

1. ASSUMED 4-ROD RIGHT-OF-WAY.
2. PLACE SILT FENCE WITHIN RIGHT-OF-WAY.
3. RESET GUARDRAIL SO THAT FACE OF GUARDRAIL LIES TANGENT TO EDGE OF PAVEMENT. SEE VTrans STANDARDS G-1, G-1d AND G-19 FOR APPROPRIATE PLACEMENT AND GRADING.



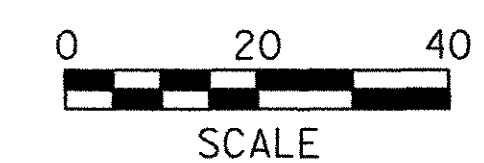
**U.S. ROUTE 7
 STA. 35+50.00
 END PROJECT
 CMG PARK(18)S
 BEGIN APPROACH**

**U.S. ROUTE 7
 STA. 37+08.00
 END APPROACH**

MATCHLINE - STA. 31+25 - SEE PLAN LA04

REMOVING AND RESET GUARD RAIL, SEE NOTE 3

* MATCH EXISTING CONDITIONS



PROJECT NAME: COLCHESTER PARK-AND-RIDE	PLOT DATE: 07/08/02
PROJECT NUMBER: CMG PARK(18)S	DRAWN BY: MAM
FILE NAME: LA05.PTF	CHECKED BY: GAE
PROJECT LEADER: WLD	SHEET 17 OF 56
DESIGNED BY: CSP	
RT. 7 LAYOUT & EROSION LA05	

C:\P1\PROJECTS\EROSION\LA05.PTF 07/08/02 11:52:31 AM

LAYOUT POINT SUMMARY

LAYOUT POINT #1	LAYOUT POINT #9 - C.P. OF 8' RADIUS	LAYOUT POINT #17 - C.P. OF 45', 47' & 8.7' RADIUS
N64387.51	N64318.46	N64359.75
E66989.47	E67024.98	E67061.27
PARK-AND-RIDE STA. 5+10.94 = ACCESS ROAD STA. 11+11.52	PARK-AND-RIDE STA. 4+42.93	PARK-AND-RIDE STA. 4+85.22
OFF 0.00'	OFF 37.45' RT.	OFF 72.56' RT.
LAYOUT POINT #2	LAYOUT POINT #10	LAYOUT POINT #18
N63876.77	N64324.28	N64347.30
E66975.04	E67012.44	E67104.51
PARK-AND-RIDE STA 0+00.00	PARK-AND-RIDE STA. 4+47.33	PARK-AND-RIDE STA. 4+74.00
OFF 0.00'	OFF 24.75' RT.	OFF 116.14' RT.
LAYOUT POINT #3	LAYOUT POINT #11 - C.P. OF 5' RADIUS	LAYOUT POINT #19
N64007.45	N64335.17	N64368.15
E66953.97	E67002.99	E67105.48
PARK-AND-RIDE STA 1+30.00	PARK-AND-RIDE STA. 4+59.01	ACCESS ROAD STA. 12+27.73
OFF 24.75' LT.	OFF 15.00' RT.	OFF 18.00' RT.
LAYOUT POINT #4	LAYOUT POINT #12 - C.P. OF 23' RADIUS	
N64004.46	N64343.86	
E67057.93	E66993.10	
PARK-AND-RIDE STA 1+30.00	PARK-AND-RIDE STA. 4+67.41	
OFF 79.25' RT.	OFF 4.86' RT.	
LAYOUT POINT #5 - C.P. OF 2.5' RADIUS	LAYOUT POINT #13 - C.P. OF 5' RADIUS	
N64030.66	N64336.43	
E67006.60	E66974.02	
PARK-AND-RIDE STA 1+54.72	PARK-AND-RIDE STA. 4+59.45	
OFF 27.25 RT.	OFF 14.00' LT.	
LAYOUT POINT #6	LAYOUT POINT #14	
N64299.02	N64324.63	
E67016.73	E66962.93	
PARK-AND-RIDE STA 4+23.28	PARK-AND-RIDE STA. 4+47.33	
OFF 29.75' RT.	OFF 24.75' LT.	
LAYOUT POINT #7 - C.P. OF 5' RADIUS	LAYOUT POINT #15 - C.P. OF 15' RADIUS	
N64310.26	N64354.89	
E67027.70	E66964.54	
PARK-AND-RIDE STA 4+34.81	PARK-AND-RIDE STA. 4+77.63	
OFF 40.40' RT.	OFF 24.00' LT.	
LAYOUT POINT #8	LAYOUT POINT #16 - C.P. OF 3' RADIUS	
N64307.10	N64361.89	
E67066.48	E67001.75	
PARK-AND-RIDE STA 4+32.73	PARK-AND-RIDE STA. 4+85.65	
OFF 79.25' RT.	OFF 13.00' RT.	

FENCE LAYOUT POINTS

CHAIN LINK FENCE, 6 FEET (MOD.)	WOVEN WIRE FENCE WITH WOOD POSTS (MOD.)
FLP 1 - ACCESS ROAD STA. 12+36, 154' LT.	FLP 11 - PARK-AND-RIDE STA. 1+28, 28' LT.
FLP 2 - ACCESS ROAD STA. 12+33, 35' LT.	FLP 12 - PARK-AND-RIDE STA. 4+48, 28' LT.
FLP 3 - ACCESS ROAD STA. 12+34, 20' LT.	
FLP 4 - ACCESS ROAD STA. 12+65, 24' RT.	
FLP 5 - PARK-AND-RIDE STA. 3+97, 147' RT.	
FLP 6 - PARK-AND-RIDE STA. 3+94, 108' RT.	
FLP 7 - PARK-AND-RIDE STA. 1+17, 125' RT.	
FLP 8 - PARK-AND-RIDE STA. 0+87, 104' RT.	
FLP 9 - PARK-AND-RIDE STA. 0+12, 102' RT.	
FLP 10 - U.S. ROUTE 7 STA. 24+14, 34' RT.	

CURVE DATA

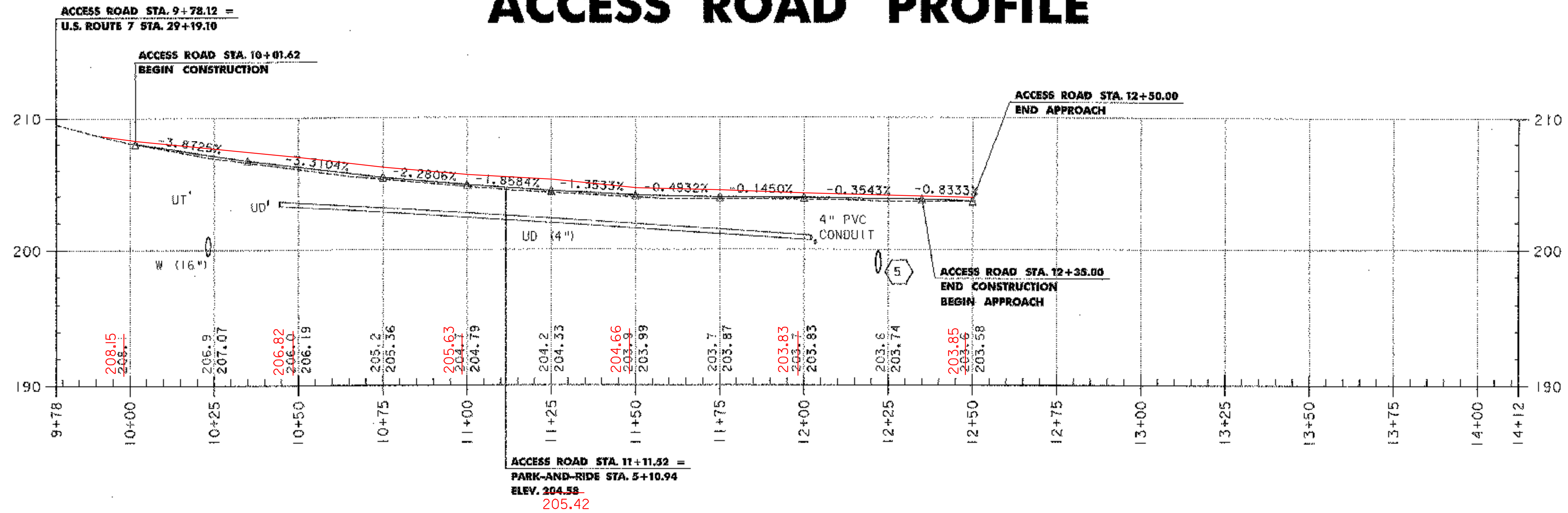
ACCESS ROAD CURVE #1	U.S. ROUTE 7 CURVE #2
PI 12+82.83 BK. = 12+73.50 AHD.	PI 32+19.05 BK. = 31+89.77 AHD.
PC 12+36.73	PC 27+58.21
PT 13+19.61	PT 36+50.61
$\Delta = 62^\circ 29' 17.00''$ RT.	$\Delta = 35^\circ 15' 45.22''$ RT.
D = 75°23'21.06"	D = 03°57'05.16"
R = 76.00'	R = 1450.00'
T = 46.11'	T = 460.84'
L = 82.89'	L = 892.40'
E = 12.89'	E = 71.47'
U.S. ROUTE 7 CURVE #1	
PI 21+14.30 BK. = 21+14.01 AHD.	
PC 19+57.77	
PT 22+70.54	
$\Delta = 05^\circ 58' 24.69''$ LT.	
D = 01°54'35.49"	
R = 3000.00'	
T = 156.53'	
L = 312.77'	
E = 4.08'	



PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: layoutpoints.dgn PLOT DATE: 07/08/02
 PROJECT LEADER: WLD DRAWN BY: MBL
 DESIGNED BY: CSP CHECKED BY: GAE
LAYOUT POINTS SHEET 18 OF 56

... \LIB LAYOUTPOINTS.PLT 07/08/02 08:13:22 AM

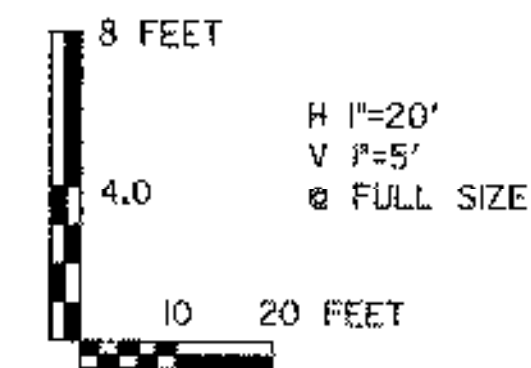
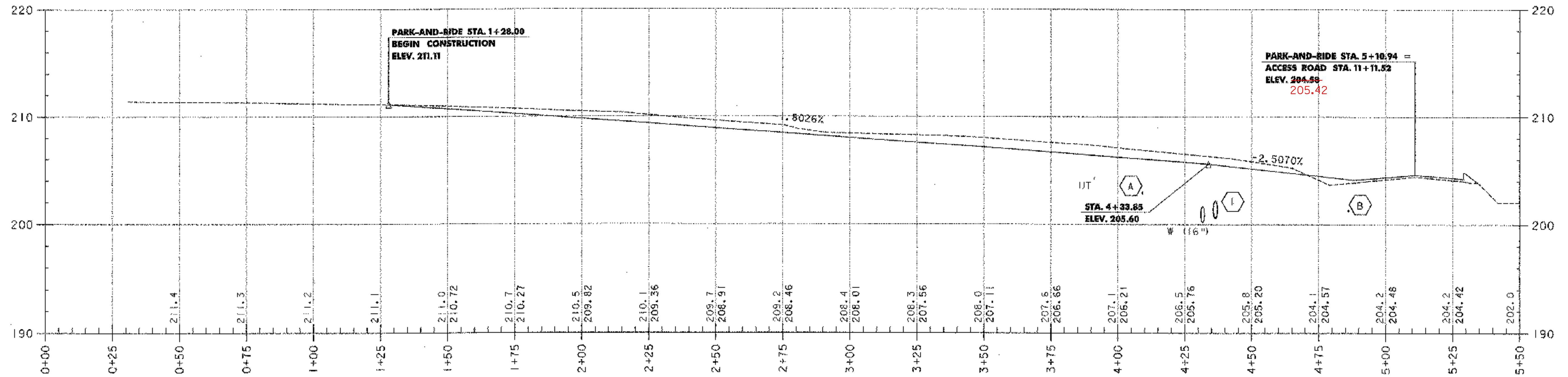
ACCESS ROAD PROFILE



- LEGEND**
- UT EXISTING UNDERGROUND TELEPHONE
 - UD EXISTING UNDERDRAIN
 - W EXISTING WATER
 - (A) PROPOSED CONDUIT (SEE LIGHTING PLAN, SHEET 31)
 - (5) PROPOSED PIPE (SEE DRAINAGE PLAN, SHEET 20)

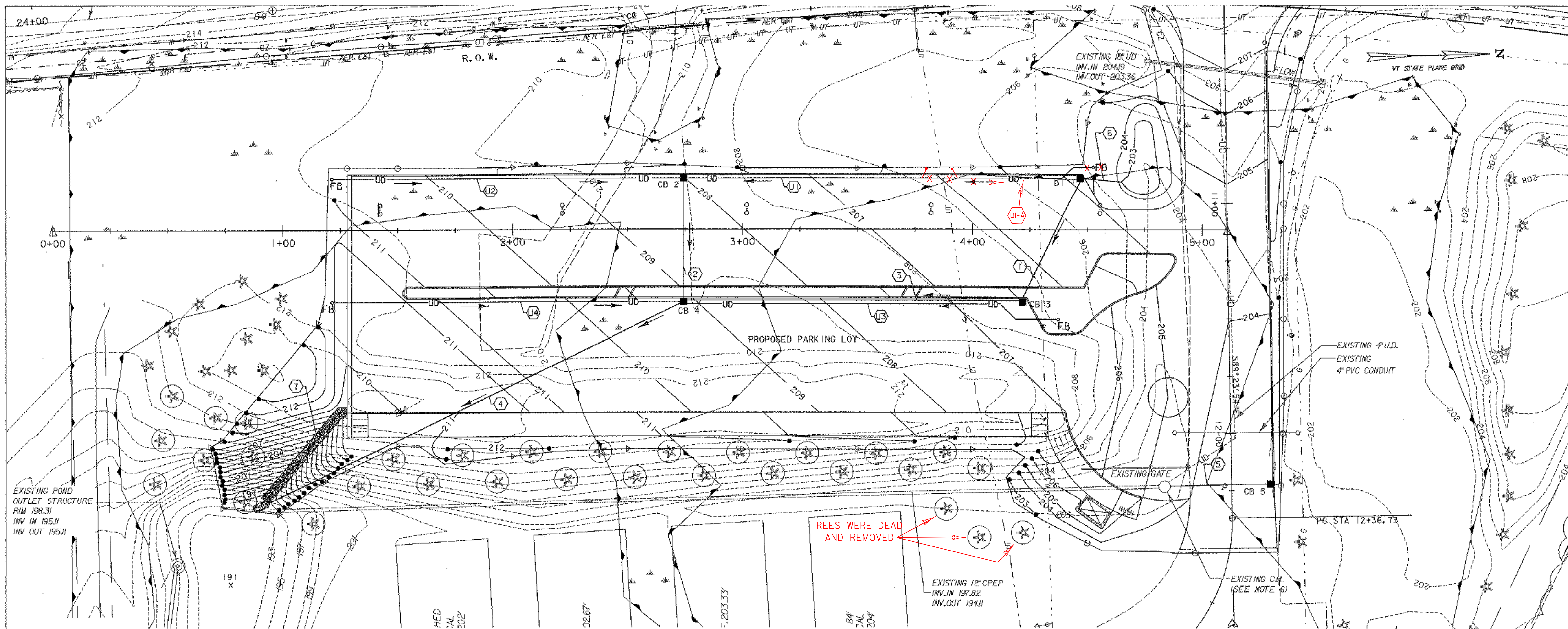
NOTE
DEPTH OF EXISTING UTILITIES ASSUMED AND CONSIDERED APPROXIMATE.

PARK-AND-RIDE PROFILE



PROJECT NAME: COLCHESTER PARK-AND-RIDE
PROJECT NUMBER: CMG PARK(18)S
FILE NAME: zk062pro.dgn
PROJECT LEADER: WLD
DESIGNED BY: CSP
PROFILE SHEET

PLOT DATE: 07/08/02
DRAWN BY: GGG
CHECKED BY: GAE
SHEET 19 OF 56



LEGEND

	TOWN LINE
	R. O. W.
	STORM DRAIN PIPE
	CATCH BASIN
	DRAINAGE MANHOLE
	UNDERDRAIN PIPE
	UNDERDRAIN FLUSHING BASIN
	SPLIT RAIL FENCE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	WETLAND LIMITS
	PROPOSED SHELTER
	PROPOSED BIKE RACK
	PROPOSED LIGHT
	PROPOSED ADDITIONAL IMPERVIOUS AREA

100 SF

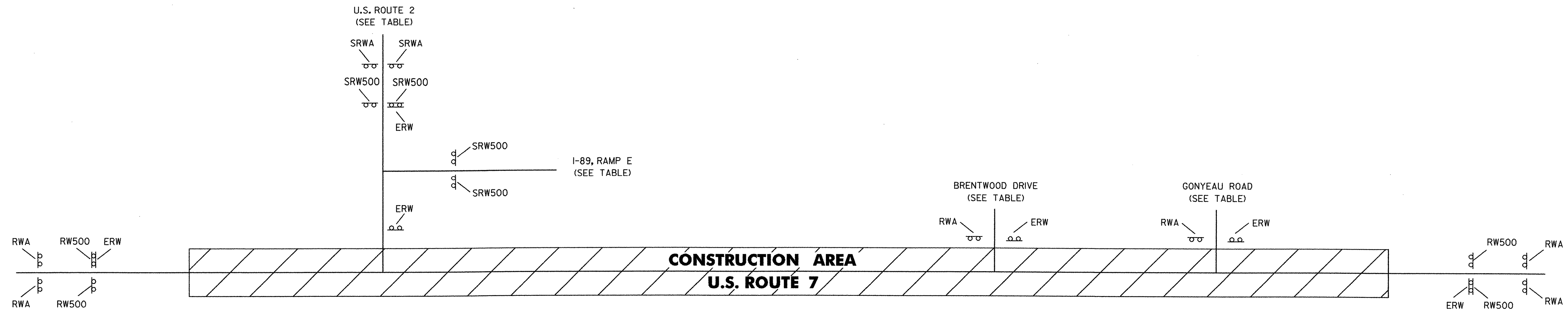
- 1 PARK-AND-RIDE STA. 4+46, LT. TO 4+22, RT.
NEW 18" x 57' CPEP (SL), INV. IN 200.95, INV. OUT 200.40-30
CONST. NEW CB#1 AT INLET, RIM 204.95
- 2 PARK-AND-RIDE STA. 2+74, LT. TO 2+74, RT.
NEW 18" x 51' CPEP (SL), INV. IN 203.00, INV. OUT 202.60-198.95
CONST. NEW CB#2 AT INLET, RIM 208.00, 199.85
- 3 PARK-AND-RIDE STA. 4+22 TO 2+74, RT.
NEW 18" x 144' CPEP (SL), INV. IN 200.30, INV. OUT 198.90-76
CONST. NEW CB#3 AT INLET, RIM 206.45, 28
- 4 PARK-AND-RIDE STA. 2+74 TO 0+94, RT.
NEW 18" x 201' CPEP (SL), INV. IN 198.80, INV. OUT 196.00-96
CONST. NEW CB#4 AT INLET, RIM 209.10, 82
NEW 18" CPEPES AND STONE FILL, TYPE II AT OUTLET
- 5 ACCESS ROAD STA. 12+22, LT. TO 12+22, RT.
NEW 18" x 44' CPEP (SL), INV. IN 198.50, INV. OUT 198.00-197.78
CONNECT NEW 18" CPEP (SL) TO EXISTING CB AT STA. 12+22, RT.
CONST. NEW CB#5 AT INLET, RIM 203.50
INSTALL EXISTING GRATE & FRAME FROM CB AT
ACCESS ROAD STA. 12+22, RT.

- 6 PARK-AND-RIDE STA. 4+66 TO 4+46, LT.
NEW 18" x 19' CPEP (SL), INV. IN 202.60, INV. OUT 201.00-99
NEW 18" CPEPES AT INLET .44 200.78
- 7 PARK-AND-RIDE STA. 0+94 TO 1+28, RT.
CONSTRUCT OUTLET DITCH AND STONE FILL, TYPE II
- U1 PARK-AND-RIDE STA. 2+74 TO 4+62, LT. 3+77.83
NEW 6" x 178' UNDERDRAIN, INV. IN 200.70, INV. OUT 200.00-82
NEW UNDERDRAIN FLUSHING BASIN AT INLET STA. 3+77.83 29.25' LT
FOR DETAILS, SEE SHEET 5.
- U2 PARK-AND-RIDE STA. 1+21 TO 2+74, LT.
NEW 6" x 150' UNDERDRAIN, INV. IN 203.05, INV. OUT 200.00-78
NEW UNDERDRAIN FLUSHING BASIN AT INLET .18
- U3 PARK-AND-RIDE STA. 4+37 TO 2+74, RT.
NEW 6" x 164' UNDERDRAIN, INV. IN 202.40, INV. OUT 201.40-74
NEW UNDERDRAIN FLUSHING BASIN AT INLET STA. 4+40.58 33.5' RT
FOR DETAILS, SEE SHEET 5.
- U4 PARK-AND-RIDE STA. 1+21 TO 2+74, RT.
NEW 6" x 151' UNDERDRAIN, INV. IN 202.80, INV. OUT 201.40-74
NEW UNDERDRAIN FLUSHING BASIN AT INLET

U-A PARK-AND-RIDE STA. 4+47 TO 3+89.73 LT.
NEW UNDERDRAIN FLUSHING BASIN AT INLET STA. 3+89.33 28.75' LT.
INV. IN 201.90
INV. OUT 201.03

- NOTES**
- THIS PLAN IS FOR DRAINAGE PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS A PROPERTY BOUNDARY SURVEY. PROPERTY LINES AND R.O.W. LINES ARE SHOWN FOR REFERENCE ONLY.
 - EXISTING TOPOGRAPHY FROM CHAMPLAIN CONSULTING ENGINEERS SITE PLANS DATED 10/15/99 AS REFERENCED IN FINAL AMENDED DISCHARGE PERMIT #1-1276. INFORMATION HAS BEEN VERTICALLY ALIGNED WITH VT STATE PLANE GRID COORDINATE SYSTEM.
 - EXISTING TOPOGRAPHY WITHIN THE LIMITS OF THE PARK-AND-RIDE FACILITY WAS SURVEYED SEPARATELY AND IS BASED ON VT STATE PLANE GRID COORDINATE SYSTEM.
 - PRIOR TO COMMENCING SITE WORK, THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS. THE PROJECT ENGINEER SHALL BE NOTIFIED WITHIN 48 HOURS WHERE DISCREPANCIES EXIST BETWEEN THE PROJECT DRAWINGS AND ACTUAL FIELD CONDITIONS.
 - THE CONTRACTOR SHALL CONTACT DIG SAFE (1-888-344-7233) SEVENTY-TWO HOURS PRIOR TO ANY EXCAVATION TO ACCURATELY ESTABLISH THE LOCATION OF ALL UNDERGROUND UTILITIES LOCATED ON THE PROJECT SITE.
 - BRING EXISTING CATCH BASIN TO GRADE WITH PRECAST RISOR AND BRICK AS NECESSARY. REMOVE FRAME AND GRATE AND REPLACE WITH FRAME AND CAST IRON COVER. REUSE FRAME AND GRATE ON DI 5. WORK ON EXISTING C.B. SHALL BE PAID FOR AS CHANGING ELEVATION OF DI'S, CB'S OR MH'S AS DIRECTED BY THE RESIDENT ENGINEER.

	PROJECT NAME: COLCHESTER PARK-AND-RIDE
	PROJECT NUMBER: CMG PARK(18)S
	FILE NAME: zk062drn.dgn
	PLOT DATE: 07/08/02
PROJECT LEADER: WLD	DRAWN BY: MAM
DESIGNED BY: CSP	CHECKED BY: GAE
GRADING AND DRAINAGE PLAN	
	SHEET 20 OF 56



LEGEND

- ERW = END ROAD WORK
- RW500 = ROAD WORK 500 FT
- RWA = ROAD WORK AHEAD
- SRW500 = SIDE ROAD WORK 500 FT
- SRWA = SIDE ROAD WORK AHEAD

LOCATION	ERW	RW500	RWA	SRW500	SRWA
U.S. ROUTE 7					
BEGIN PROJECT	1	2	2		
U.S. ROUTE 2 I-89, EXIT E	1			2 2	2
BRENTWOOD DRIVE GONYEAU ROAD	1 1		1 1		
END PROJECT	1	2	2		
TOTALS	5	4	6	4	2

CONSTRUCTION APPROACH SIGNING

NOT TO SCALE
SEE VTRANS STANDARD E-100 FOR SIGN PLACEMENT.

	PROJECT NAME: COLCHESTER PARK-AND-RIDE
	PROJECT NUMBER: CMG PARK(18)S
	FILE NAME: zk062frm.dgn
	DESIGNED BY: CSP
PROJECT LEADER: WLD	PLOT DATE: 07/08/02
CHECKED BY: JLL	DRAWN BY: GGG
CONSTRUCTION APPROACH SIGNS	SHEET 21 OF 56

.../.../... CONSTRUCTION APPROACH SIGNS 07/08/02 10:05:24 AM

NOTES

- 1) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.
- 2) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VTrans STANDARD E-193.
- 3) FOR ALL PAVEMENT MARKING DETAILS, SEE THE PAVEMENT MARKING DETAIL SHEET AND VTrans STANDARDS E-191, E-192, & E-193.
- 4) REMOVE AND REPLACE "SIGNAL AHEAD" PAV'T MARKING.

4" WHITE LINE

STA. 16+60 TO 19+40, SOLID LT. & RT.

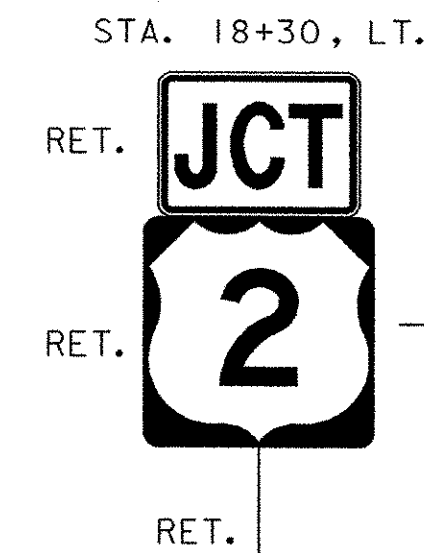
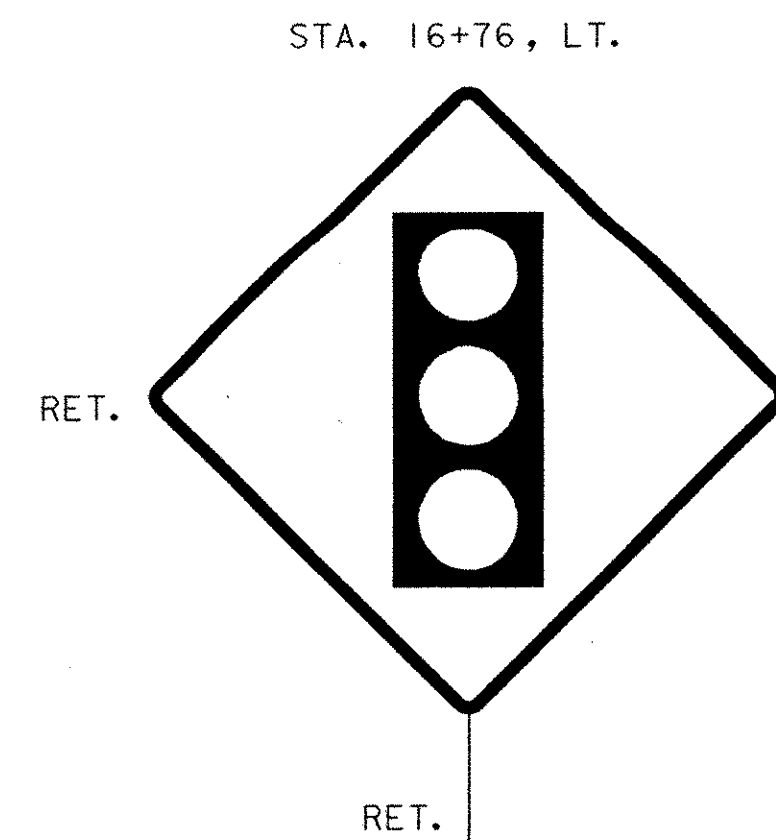
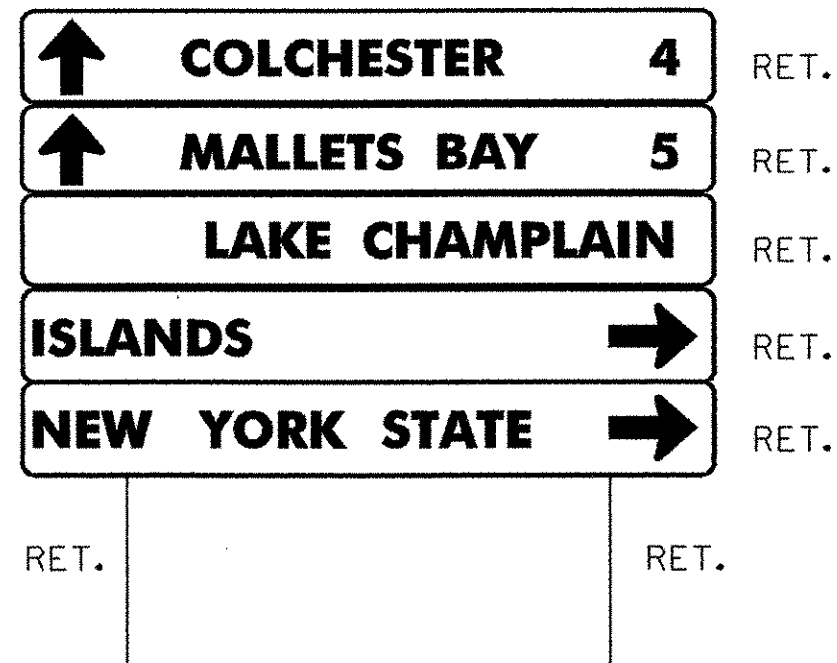
4" YELLOW LINE

STA. 16+60 TO 19+40, SOLID LT. & RT.

LETTER OR SYMBOL

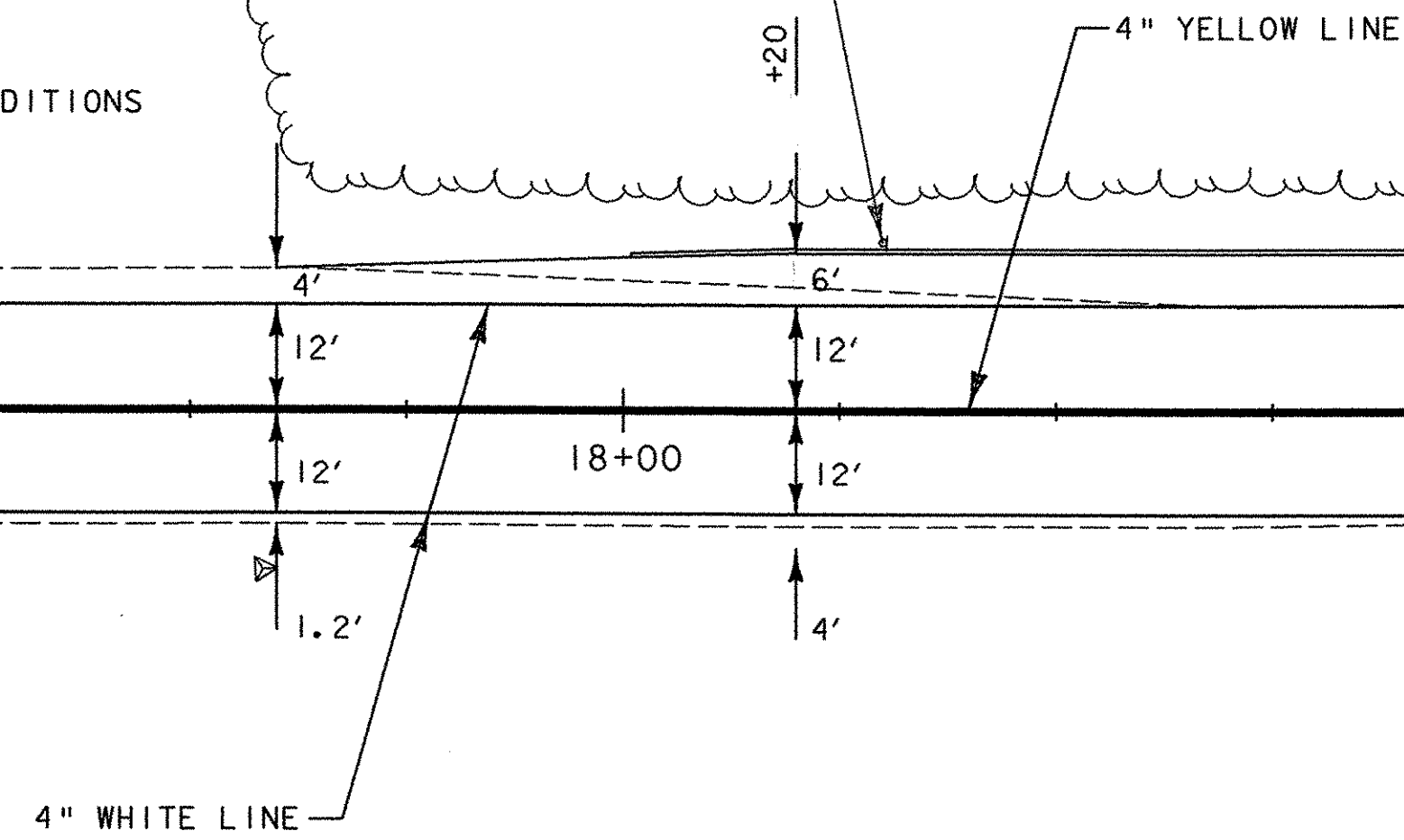
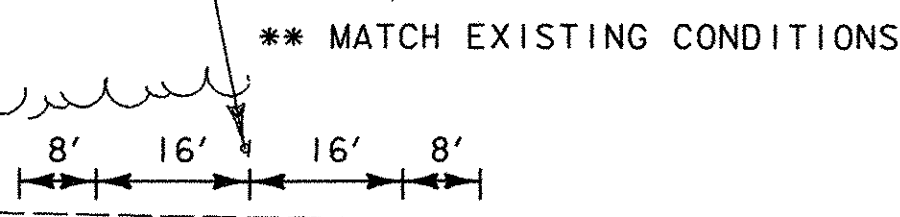
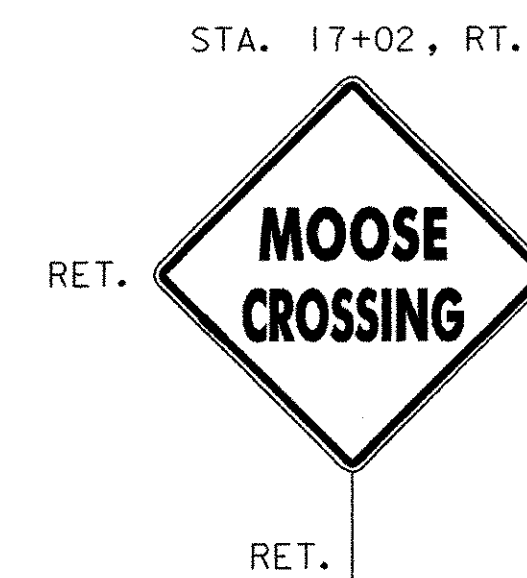
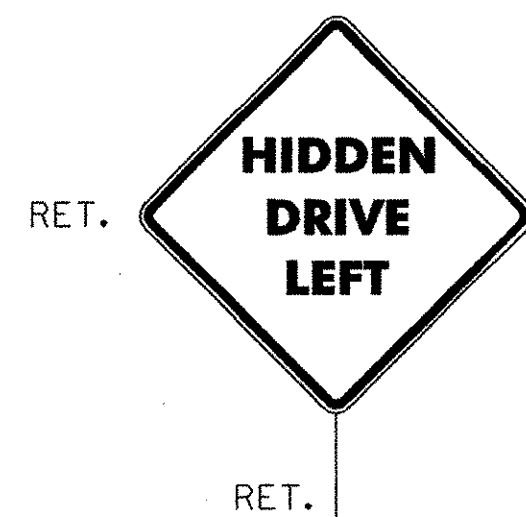
STA. 16+50, "AHEAD"

STA. 16+95, "SIGNAL"



← TO COLCHESTER

**U.S. ROUTE 7
 STA. 16+60.00
 BEGIN APPROACH**



MATCHLINE - STA. 19+40
 SEE PAV'T MARKING/SIGN PLAN #2

SIGN LEGEND

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



PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062+fc.dgn PLOT DATE: 07/08/02
 PROJECT LEADER: WLD DRAWN BY: GGG
 DESIGNED BY: CSP CHECKED BY: JLL
PAV'T MARKING/SIGN PLAN #1 SHEET 22 OF 56

NOTES

- 1) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.
- 2) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VTrans STANDARD E-193.
- 3) FOR ALL PAVEMENT MARKING DETAILS, SEE THE PAVEMENT MARKING DETAIL SHEET AND VTrans STANDARDS E-191, E-192, & E-193.

4" WHITE LINE

STA. 19+40 TO 25+25, SOLID LT. & RT.
STA. 23+42 TO 25+25, DOTTED RT.

4" YELLOW LINE

STA. 19+40 TO 20+67, SOLID LT. & RT.
STA. 20+67 TO 25+25, DOUBLE SOLID LT. & RT.

8" YELLOW LINE

STA. 20+67 TO 25+25, DIAGONALS

ERECTING SALVAGED SIGNS

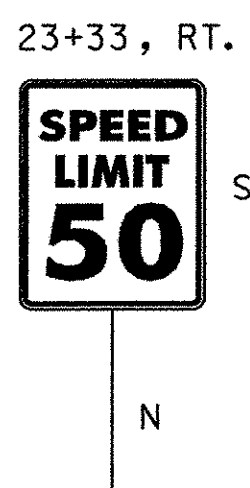
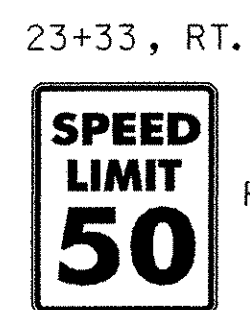
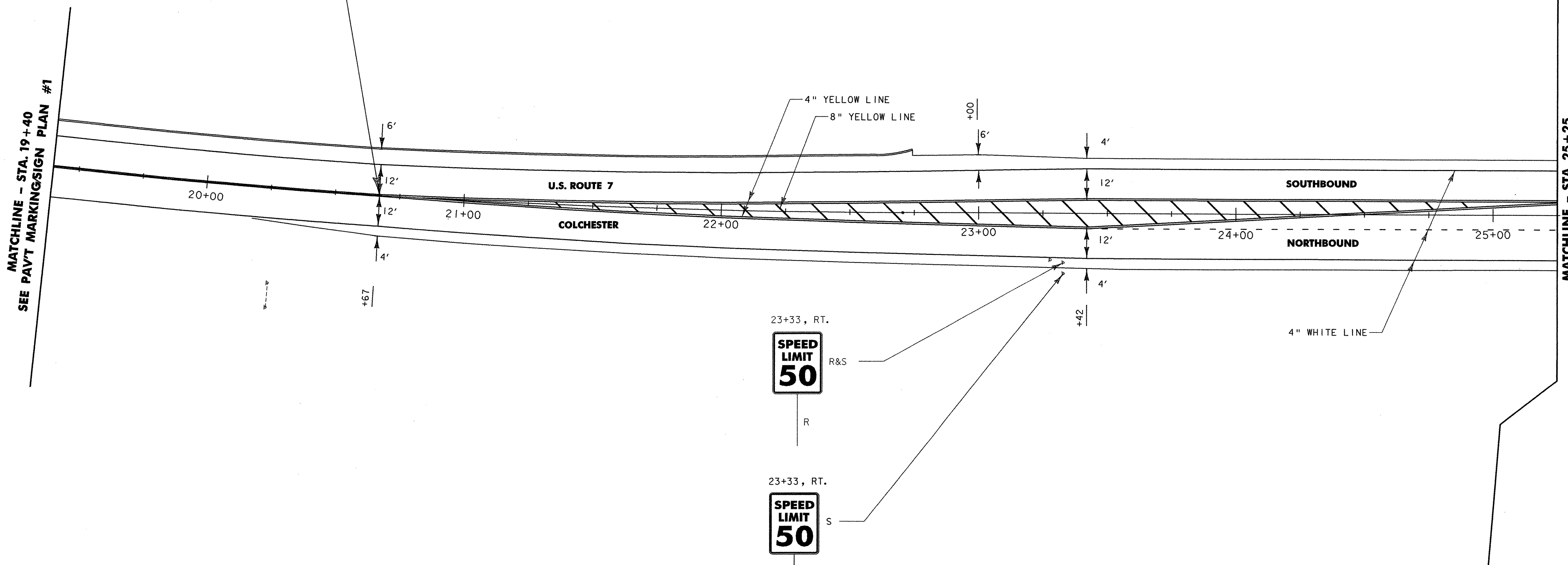
AS SHOWN - 1



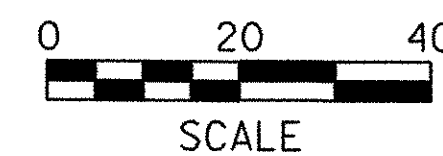
**U.S. ROUTE 7
STA. 20+67.00
END APPROACH
BEGIN PROJECT
CMG PARK(18)S**

MATCHLINE - STA. 19+40
SEE PAVT MARKING/SIGN PLAN #1

MATCHLINE - STA. 25+25
SEE PAVT MARKING/SIGN PLAN #3



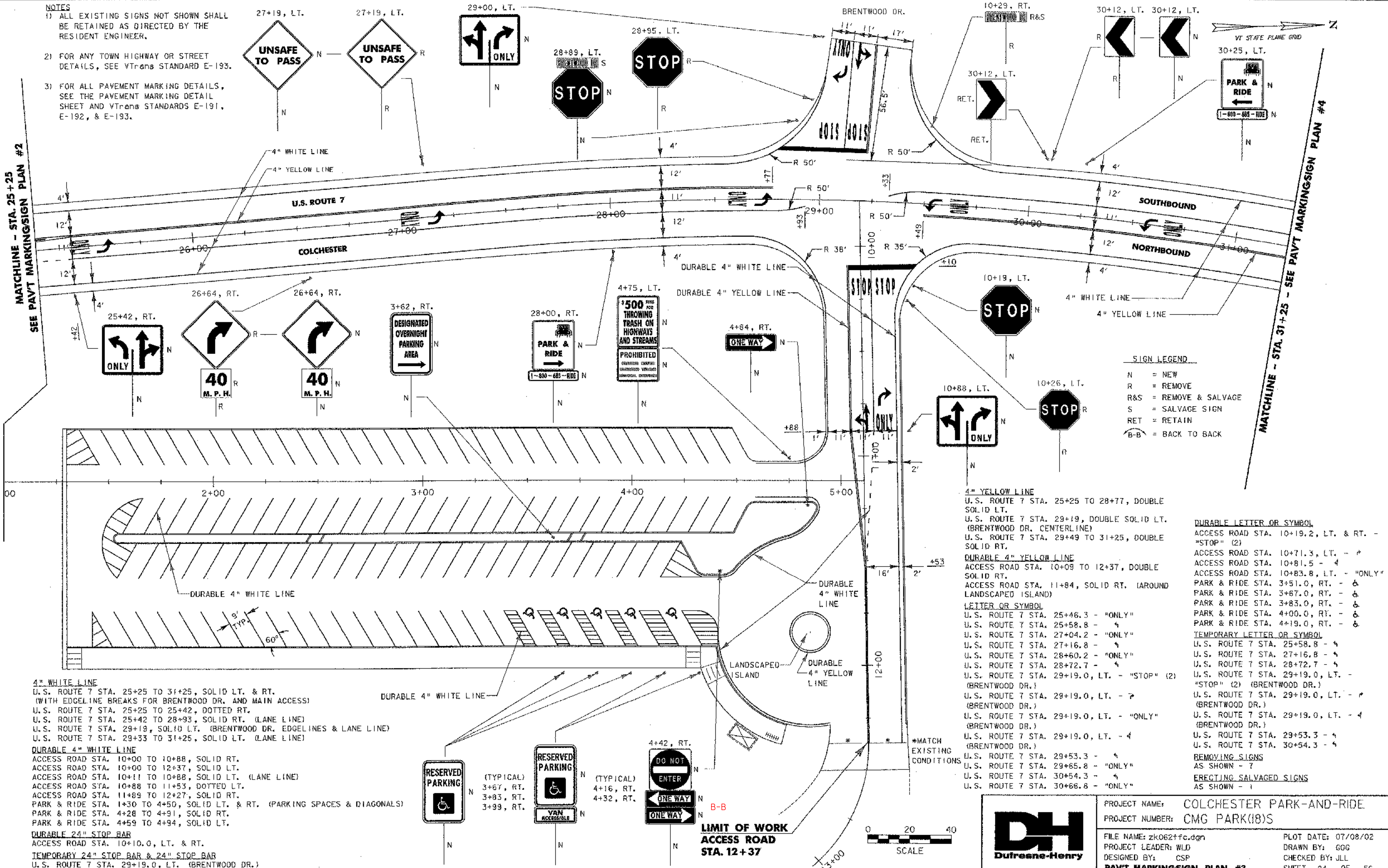
- SIGN LEGEND**
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE SIGN
 - RET = RETAIN
 - (B-B) = BACK TO BACK



PROJECT NAME: COLCHESTER PARK-AND-RIDE	PLOT DATE: 07/08/02
PROJECT NUMBER: CMG PARK(18)S	DRAWN BY: GGG
FILE NAME: zk062+fc.dgn	CHECKED BY: JLL
PROJECT LEADER: WLD	DESIGNED BY: CSP
PAVT MARKING/SIGN PLAN #2	
SHEET 23 OF 56	

...:23 PAVEMENT MARKINGS.PLT 07/08/02 10:08:47 AM

- NOTES**
- 1) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.
 - 2) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VTRANS STANDARD E-193.
 - 3) FOR ALL PAVEMENT MARKING DETAILS, SEE THE PAVEMENT MARKING DETAIL SHEET AND VTRANS STANDARDS E-191, E-192, & E-193.



SIGN LEGEND

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

- 4" YELLOW LINE**
- U.S. ROUTE 7 STA. 25+25 TO 28+77, DOUBLE SOLID LT.
 - U.S. ROUTE 7 STA. 29+19, DOUBLE SOLID LT. (BRENTWOOD DR. CENTERLINE)
 - U.S. ROUTE 7 STA. 29+49 TO 31+25, DOUBLE SOLID RT.
- DURABLE 4" YELLOW LINE**
- ACCESS ROAD STA. 10+09 TO 12+37, DOUBLE SOLID RT.
 - ACCESS ROAD STA. 11+84, SOLID RT. (AROUND LANDSCAPED ISLAND)
- LETTER OR SYMBOL**
- U.S. ROUTE 7 STA. 25+46.3 - "ONLY"
 - U.S. ROUTE 7 STA. 25+58.8 - "
 - U.S. ROUTE 7 STA. 27+04.2 - "ONLY"
 - U.S. ROUTE 7 STA. 27+16.8 - "
 - U.S. ROUTE 7 STA. 28+60.2 - "ONLY"
 - U.S. ROUTE 7 STA. 28+72.7 - "
 - U.S. ROUTE 7 STA. 29+19.0, LT. - "STOP" (2)
 - (BRENTWOOD DR.)
 - U.S. ROUTE 7 STA. 29+19.0, LT. - "
 - (BRENTWOOD DR.)
 - U.S. ROUTE 7 STA. 29+19.0, LT. - "ONLY"
 - (BRENTWOOD DR.)
 - U.S. ROUTE 7 STA. 29+19.0, LT. - 4
 - (BRENTWOOD DR.)
 - U.S. ROUTE 7 STA. 29+53.3 - "
 - U.S. ROUTE 7 STA. 29+65.8 - "ONLY"
 - U.S. ROUTE 7 STA. 30+54.3 - "
 - U.S. ROUTE 7 STA. 30+66.8 - "ONLY"
- DURABLE LETTER OR SYMBOL**
- ACCESS ROAD STA. 10+19.2, LT. & RT. - "STOP" (2)
 - ACCESS ROAD STA. 10+71.3, LT. - "
 - ACCESS ROAD STA. 10+81.5 - 4
 - ACCESS ROAD STA. 10+83.8, LT. - "ONLY"
 - PARK & RIDE STA. 3+51.0, RT. - 6
 - PARK & RIDE STA. 3+67.0, RT. - 6
 - PARK & RIDE STA. 3+83.0, RT. - 6
 - PARK & RIDE STA. 4+00.0, RT. - 6
 - PARK & RIDE STA. 4+19.0, RT. - 6
- TEMPORARY LETTER OR SYMBOL**
- U.S. ROUTE 7 STA. 25+58.8 - "
 - U.S. ROUTE 7 STA. 27+16.8 - "
 - U.S. ROUTE 7 STA. 28+72.7 - "
 - U.S. ROUTE 7 STA. 29+19.0, LT. - "STOP" (2)
 - (BRENTWOOD DR.)
 - U.S. ROUTE 7 STA. 29+19.0, LT. - "
 - (BRENTWOOD DR.)
 - U.S. ROUTE 7 STA. 29+19.0, LT. - 4
 - (BRENTWOOD DR.)
 - U.S. ROUTE 7 STA. 29+53.3 - "
 - U.S. ROUTE 7 STA. 30+54.3 - "
- REMOVING SIGNS AS SHOWN - 7**
- ERECTING SALVAGED SIGNS AS SHOWN - 1**

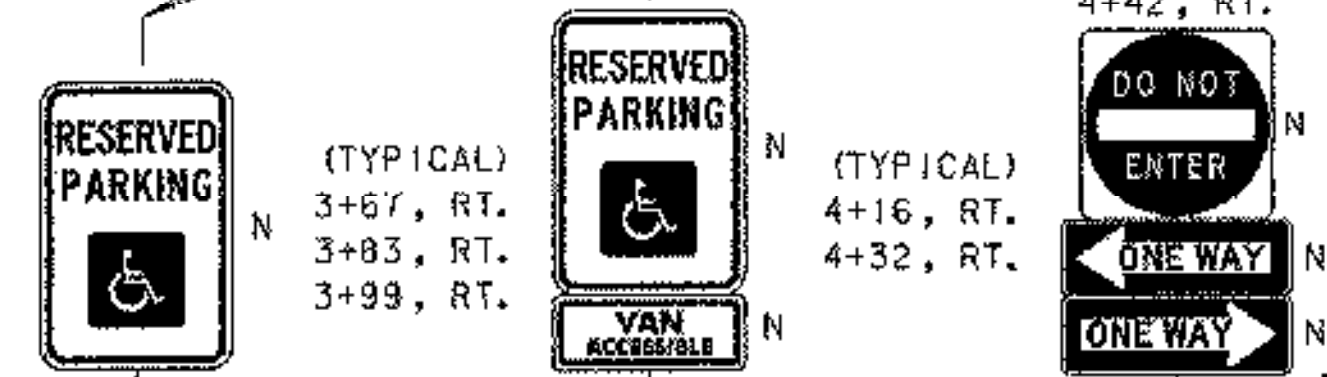
- 4" WHITE LINE**
- U.S. ROUTE 7 STA. 25+25 TO 31+25, SOLID LT. & RT. (WITH EDGE LINE BREAKS FOR BRENTWOOD DR. AND MAIN ACCESS)
 - U.S. ROUTE 7 STA. 25+25 TO 25+42, DOTTED RT.
 - U.S. ROUTE 7 STA. 25+42 TO 28+93, SOLID RT. (LANE LINE)
 - U.S. ROUTE 7 STA. 29+19, SOLID LT. (BRENTWOOD DR. EDGELINES & LANE LINE)
 - U.S. ROUTE 7 STA. 29+33 TO 31+25, SOLID LT. (LANE LINE)
- DURABLE 4" WHITE LINE**
- ACCESS ROAD STA. 10+00 TO 10+88, SOLID RT.
 - ACCESS ROAD STA. 10+00 TO 12+37, SOLID LT.
 - ACCESS ROAD STA. 10+11 TO 10+88, SOLID LT. (LANE LINE)
 - ACCESS ROAD STA. 10+88 TO 11+53, DOTTED LT.
 - ACCESS ROAD STA. 11+89 TO 12+27, SOLID RT.
 - PARK & RIDE STA. 1+30 TO 4+50, SOLID LT. & RT. (PARKING SPACES & DIAGONALS)
 - PARK & RIDE STA. 4+28 TO 4+91, SOLID RT.
 - PARK & RIDE STA. 4+59 TO 4+94, SOLID LT.
- DURABLE 24" STOP BAR**
- ACCESS ROAD STA. 10+10.0, LT. & RT.
- TEMPORARY 24" STOP BAR & 24" STOP BAR**
- U.S. ROUTE 7 STA. 29+19.0, LT. (BRENTWOOD DR.)



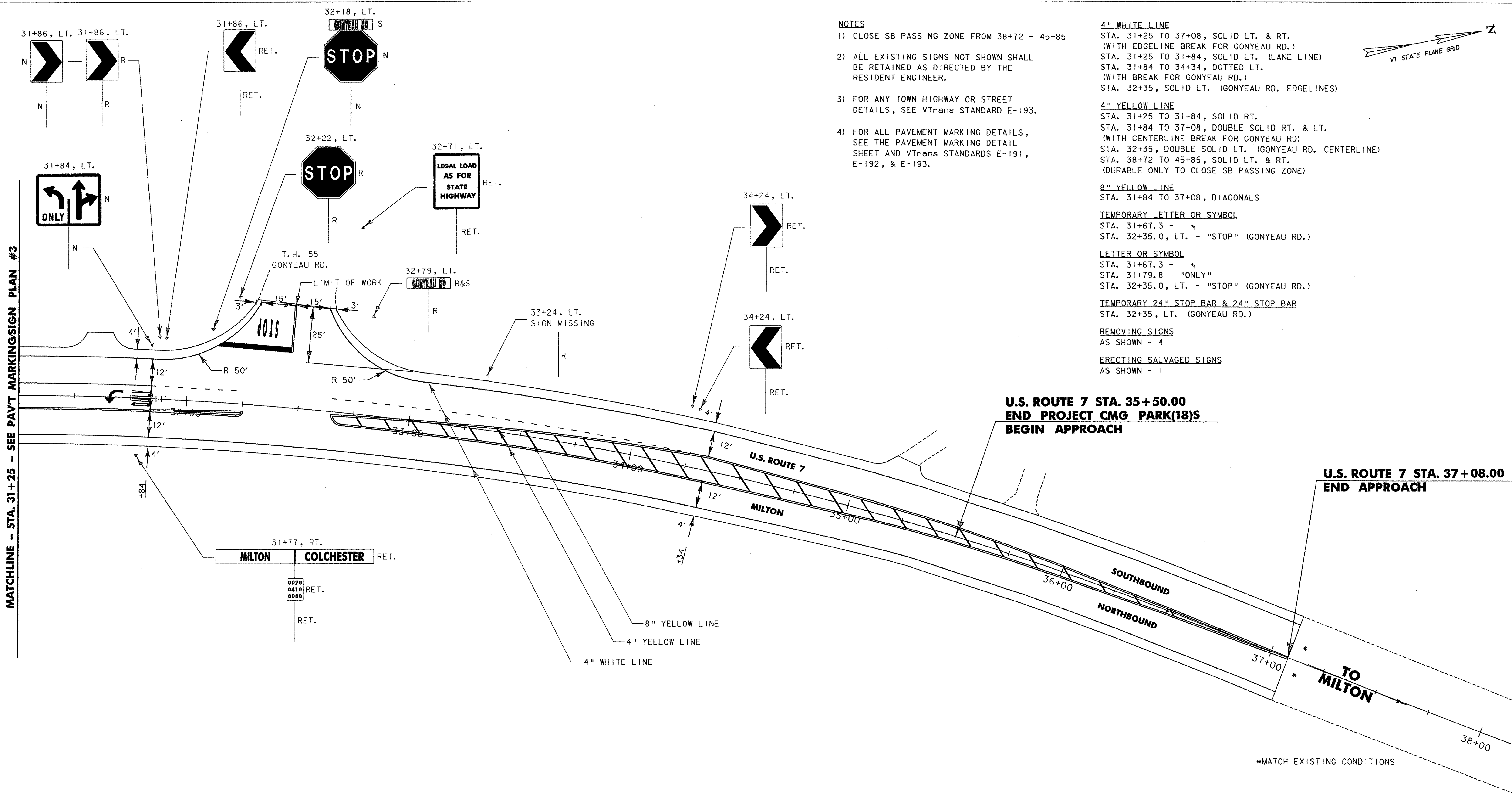
PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zko62+fc.dgn
 PROJECT LEADER: WLD
 DESIGNED BY: CSP
 PAVT MARKINGSIGN PLAN #3

PLOT DATE: 07/08/02
 DRAWN BY: GGG
 CHECKED BY: JLL
 SHEET 24 OF 56

LIMIT OF WORK ACCESS ROAD STA. 12+37



MATCHLINE - STA. 31+25 - SEE PAVT MARKINGSIGN PLAN #3



NOTES

- 1) CLOSE SB PASSING ZONE FROM 38+72 - 45+85
- 2) ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED AS DIRECTED BY THE RESIDENT ENGINEER.
- 3) FOR ANY TOWN HIGHWAY OR STREET DETAILS, SEE VTrans STANDARD E-193.
- 4) FOR ALL PAVEMENT MARKING DETAILS, SEE THE PAVEMENT MARKING DETAIL SHEET AND VTrans STANDARDS E-191, E-192, & E-193.

4" WHITE LINE

STA. 31+25 TO 37+08, SOLID LT. & RT.
 (WITH EDGELINE BREAK FOR GONYEAU RD.)
 STA. 31+25 TO 31+84, SOLID LT. (LANE LINE)
 STA. 31+84 TO 34+34, DOTTED LT.
 (WITH BREAK FOR GONYEAU RD.)
 STA. 32+35, SOLID LT. (GONYEAU RD. EDGELINES)

4" YELLOW LINE

STA. 31+25 TO 31+84, SOLID RT.
 STA. 31+84 TO 37+08, DOUBLE SOLID RT. & LT.
 (WITH CENTERLINE BREAK FOR GONYEAU RD.)
 STA. 32+35, DOUBLE SOLID LT. (GONYEAU RD. CENTERLINE)
 STA. 38+72 TO 45+85, SOLID LT. & RT.
 (DURABLE ONLY TO CLOSE SB PASSING ZONE)

8" YELLOW LINE

STA. 31+84 TO 37+08, DIAGONALS

TEMPORARY LETTER OR SYMBOL

STA. 31+67.3 - "ONLY"
 STA. 32+35.0, LT. - "STOP" (GONYEAU RD.)

LETTER OR SYMBOL

STA. 31+67.3 - "ONLY"
 STA. 31+79.8 - "ONLY"
 STA. 32+35.0, LT. - "STOP" (GONYEAU RD.)

TEMPORARY 24" STOP BAR & 24" STOP BAR

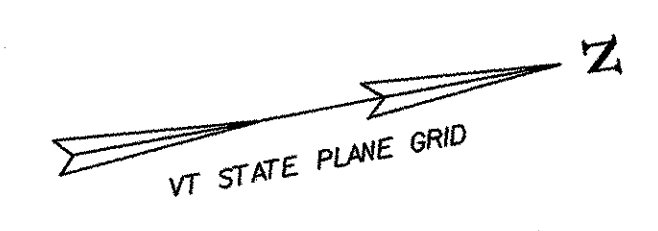
STA. 32+35, LT. (GONYEAU RD.)

REMOVING SIGNS

AS SHOWN - 4

ERECTING SALVAGED SIGNS

AS SHOWN - 1

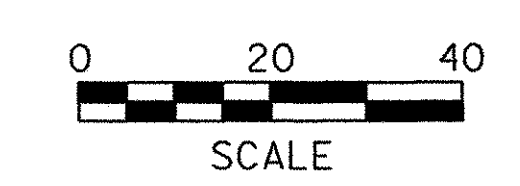


**U.S. ROUTE 7 STA. 35+50.00
 END PROJECT CMG PARK(18)S
 BEGIN APPROACH**

**U.S. ROUTE 7 STA. 37+08.00
 END APPROACH**

SIGN LEGEND

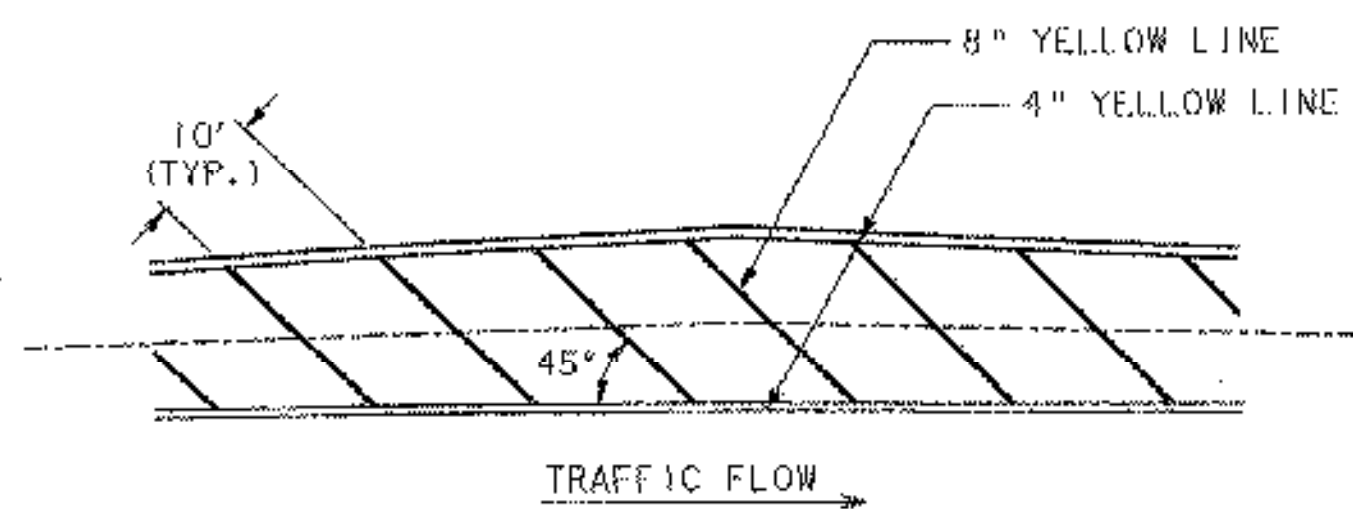
- N = NEW
- R = REMOVE
- R&S = REMOVE & SALVAGE
- S = SALVAGE SIGN
- RET = RETAIN
- B-B = BACK TO BACK



PROJECT NAME: COLCHESTER PARK-AND-RIDE	PLOT DATE: 07/08/02
PROJECT NUMBER: CMG PARK(18)S	DRAWN BY: GGG
FILE NAME: zk062+fc.dgn	CHECKED BY: JLL
PROJECT LEADER: WLD	SHEET 25 OF 56
DESIGNED BY: CSP	
PAVT MARKINGSIGN PLAN #4	

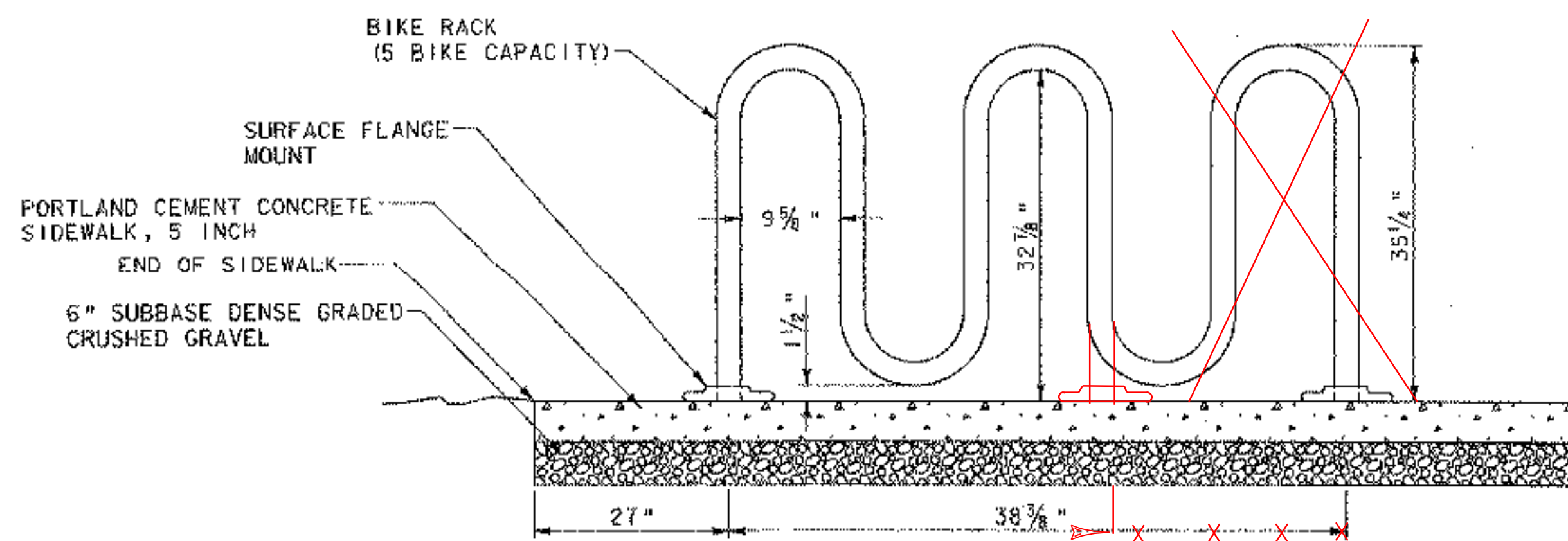
*MATCH EXISTING CONDITIONS

C:\P\PAVT MARKINGSIGN PLAN #4.dwg 11:45:38 AM



LOCATIONS
 U.S. ROUTE 7 STA. 20+67 TO STA. 25+42
 U.S. ROUTE 7 STA. 31+84 TO STA. 37+08

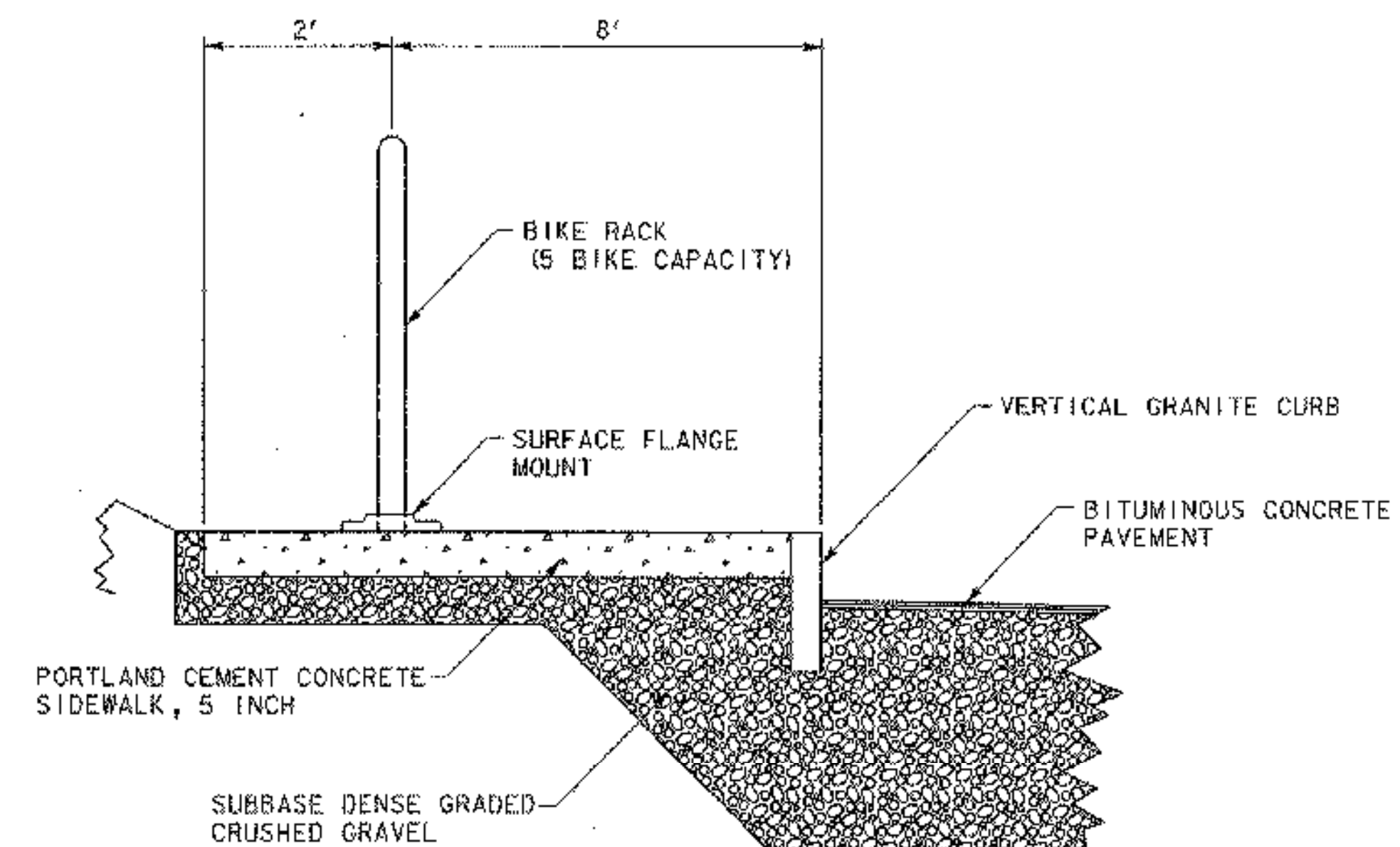
PAINTED MEDIAN ISLAND DETAIL
 NOT TO SCALE



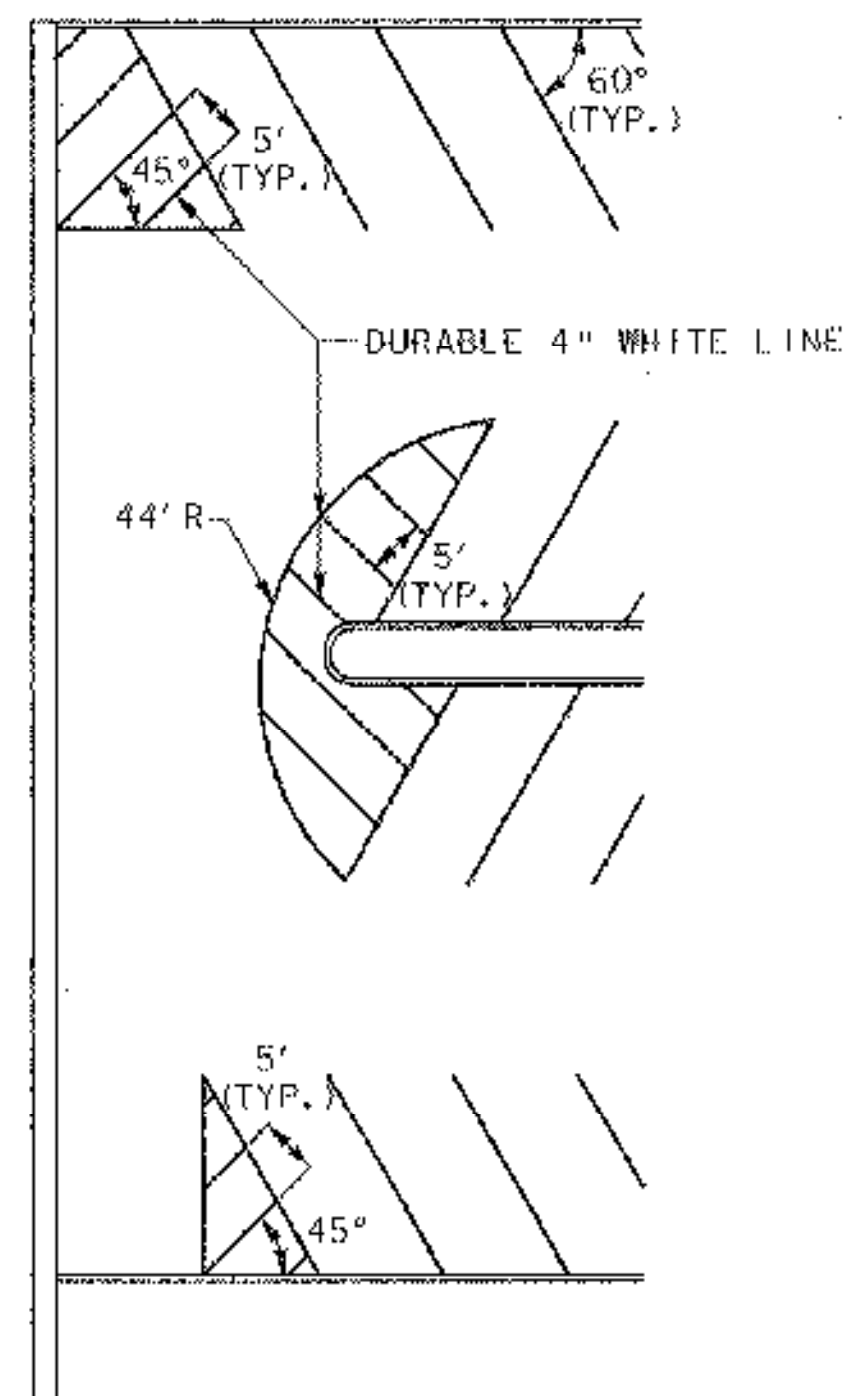
NOTE
 BIKE RACK TO BE PAID FOR UNDER PAY (ITEM NO. 525.15 METAL HAND RAILING (MOD.))

ELEVATION

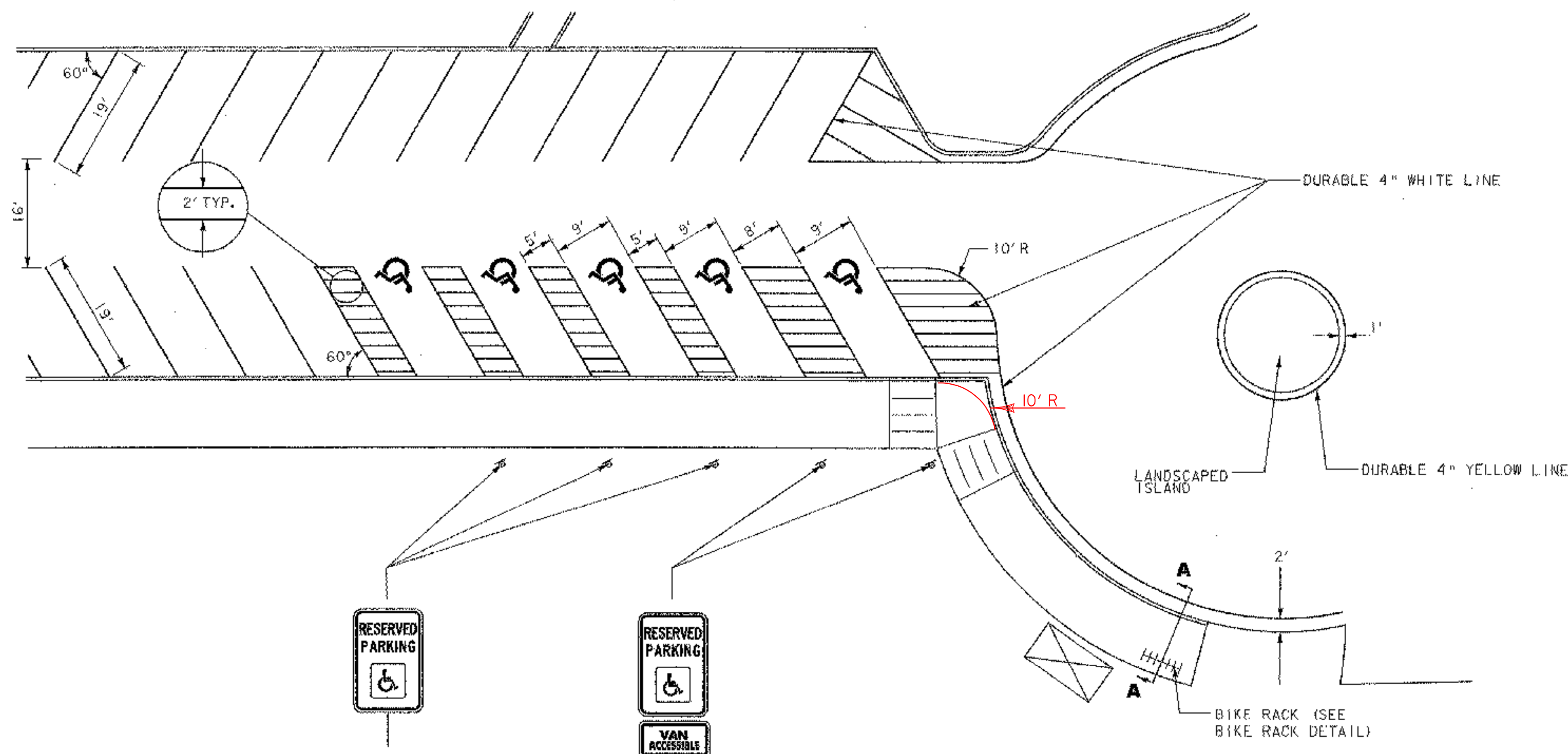
BIKE RACK DETAIL
 NOT TO SCALE



SECTION A - A



NO PARKING ZONE DETAIL
 NOT TO SCALE

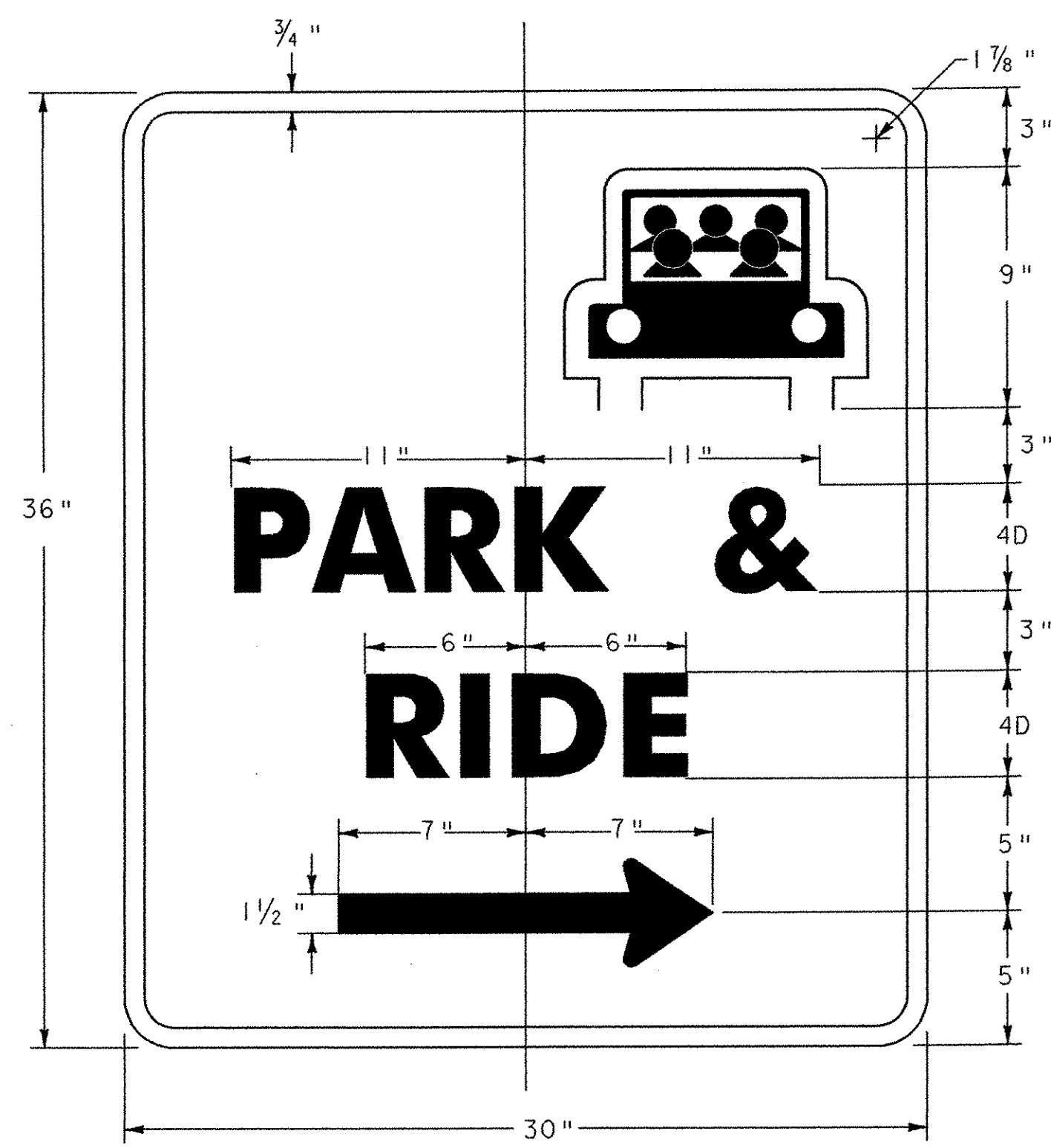


HANDICAPPED PARKING DETAIL
 NOT TO SCALE



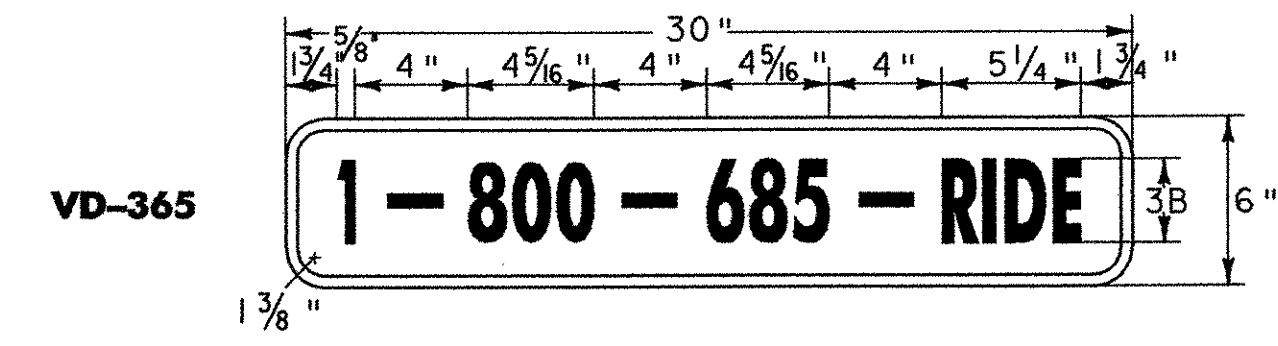
PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062frm.dgn
 PROJECT LEADER: WLD
 DESIGNED BY: CSP
 PAVEMENT MARKING DETAILS

PLOT DATE: 07/08/02
 DRAWN BY: GGG
 CHECKED BY: JLL
 SHEET 26 OF 56



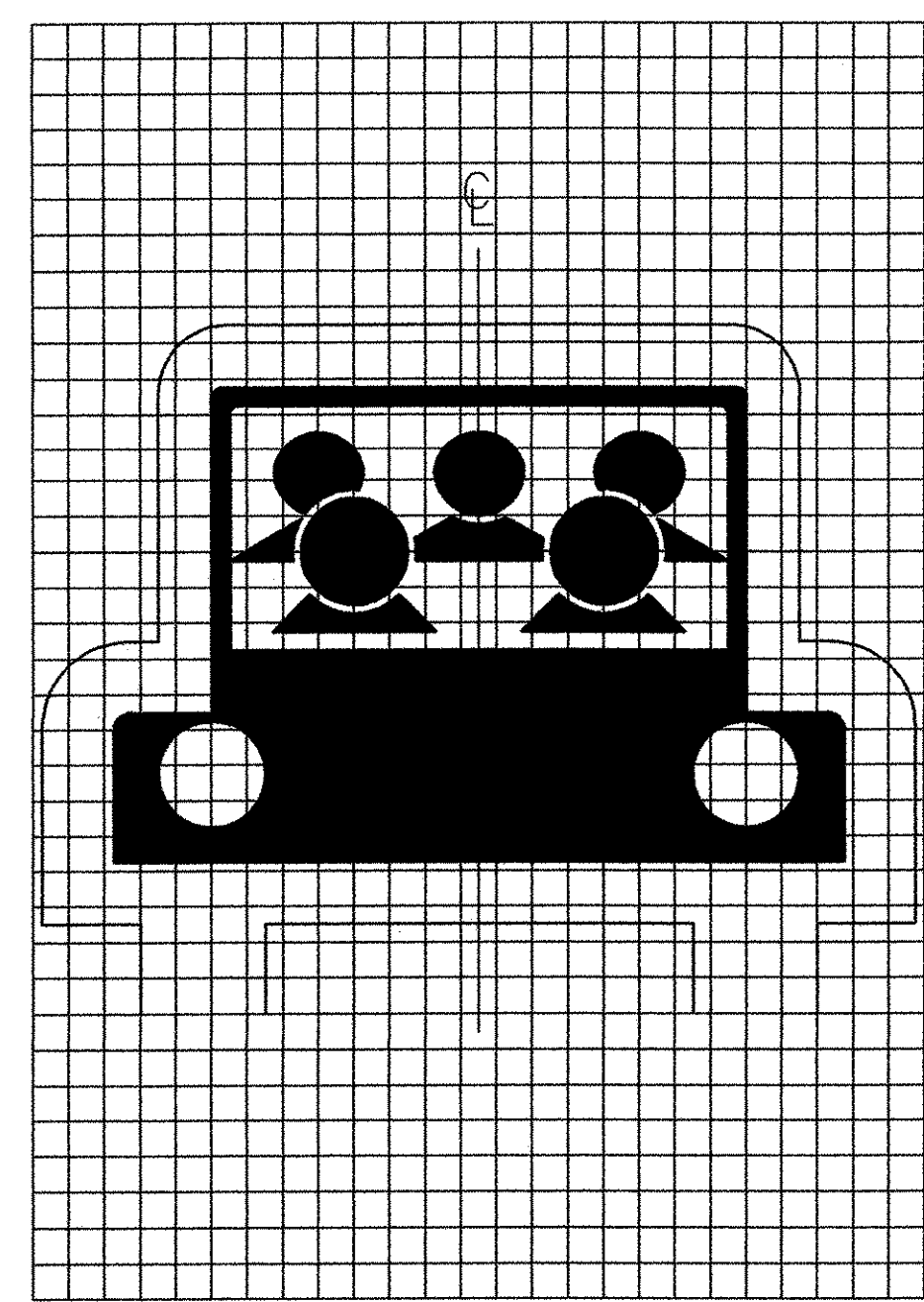
D4-2
 WHITE (REFL.) LEGEND, ARROW & BORDER
 WHITE & GREEN SYMBOL
 GREEN (REFL.) BACKGROUND
 SEE VTrans STANDARD E-131 FOR MATERIALS

LOCATIONS
 U.S. ROUTE 7 STA. 28+00, RT. (RIGHT ARROW)
 U.S. ROUTE 7 STA. 30+25, LT. (LEFT ARROW)



VD-365
 WHITE (REFL.) LEGEND, ARROW & BORDER
 WHITE & GREEN SYMBOL
 GREEN (REFL.) BACKGROUND
 SEE VTrans STANDARD E-131 FOR MATERIALS

LOCATIONS
 U.S. ROUTE 7 STA. 28+00, RT.
 U.S. ROUTE 7 STA. 30+25, LT.



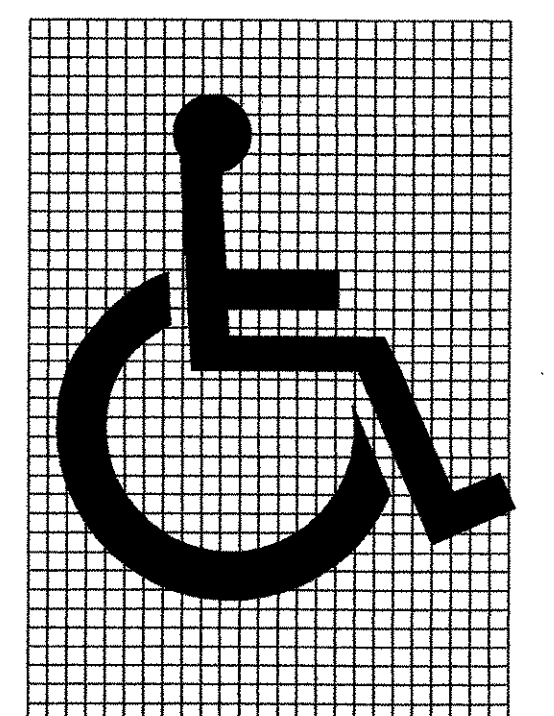
SYMBOL DESIGN
 1 SQUARE = 1"



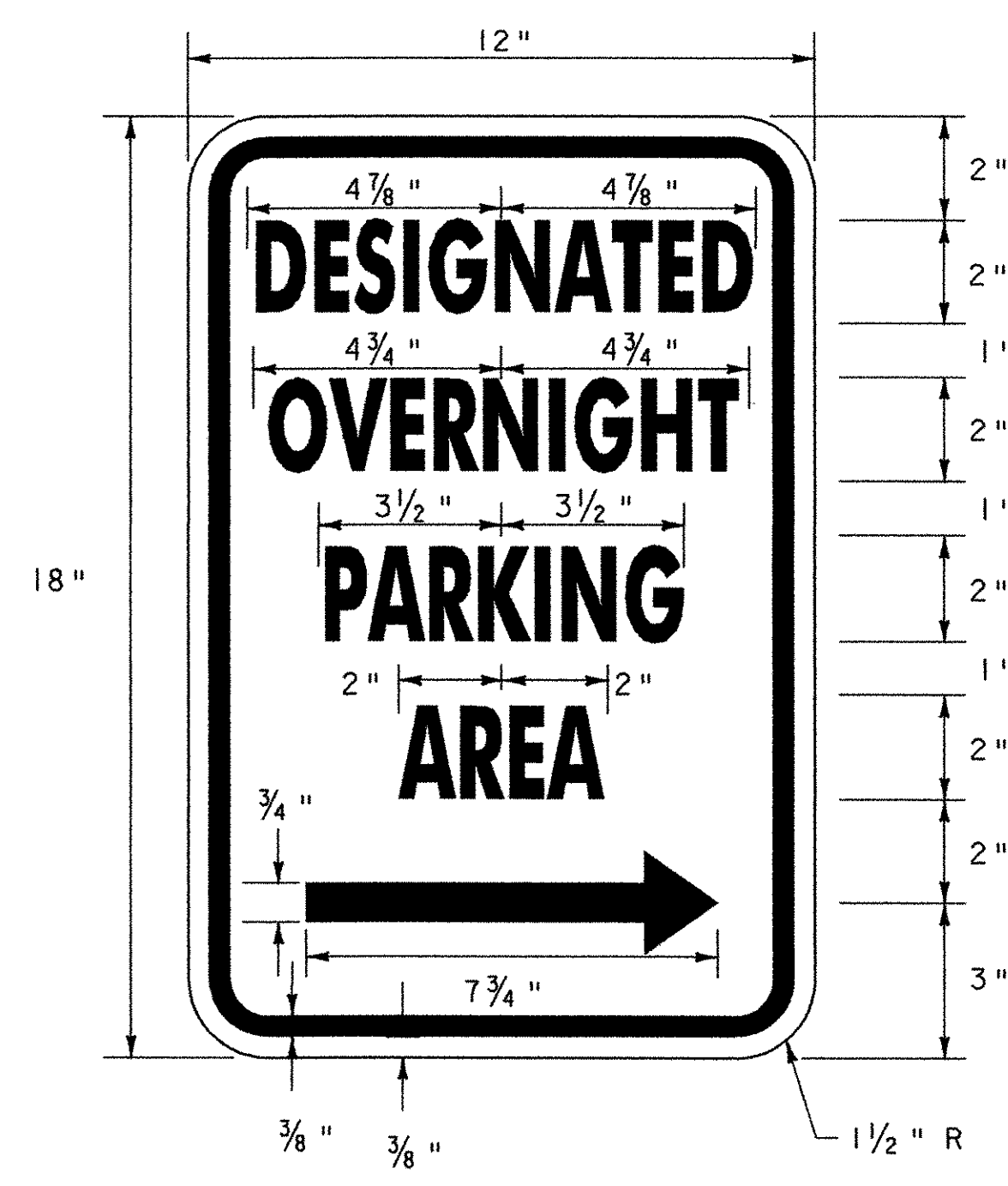
R7-8
 GREEN LEGEND & BORDER
 WHITE SYMBOL ON BLUE BACKGROUND
 WHITE (REFL.) BACKGROUND
 SEE VTrans STANDARD E-143 FOR MATERIALS

LOCATIONS
 PARKING LOT STA. 3+67, RT.
 PARKING LOT STA. 3+83, RT.
 PARKING LOT STA. 3+89, RT.
 PARKING LOT STA. 4+16, RT.
 PARKING LOT STA. 4+32, RT.

*REDUCE SPACING 50%
 **SEE SYMBOL DESIGN



SYMBOL DESIGN



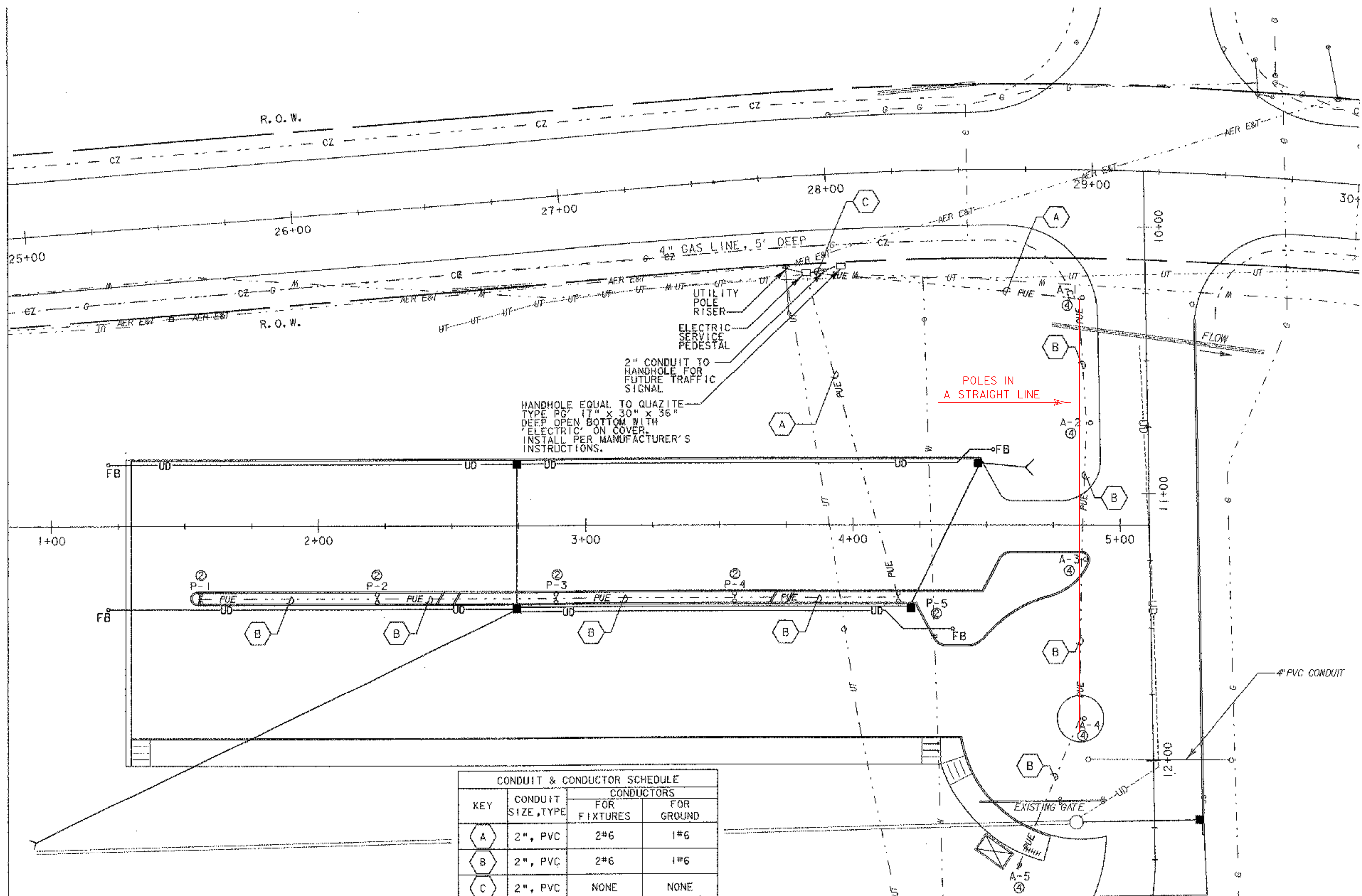
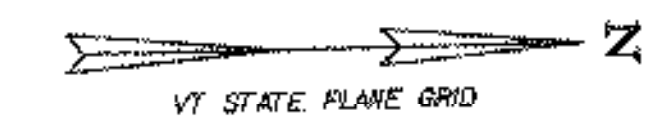
GREEN LEGEND AND BORDER
 WITH WHITE (REFL.) BACKGROUND
 SEE VTrans STANDARD E-143 FOR MATERIALS

LOCATIONS
 STA. 3+62, RT. (RIGHT ARROW)
 STA. 4+25, RT. (LEFT ARROW)

SIGN DETAILS
 NOT TO SCALE

	PROJECT NAME: COLCHESTER PARK-AND-RIDE	
	PROJECT NUMBER: CMG PARK(18)S	
	FILE NAME: zk062frm.dgn	PLOT DATE: 07/08/02
	PROJECT LEADER: WLD	DRAWN BY: GGG
	DESIGNED BY: CSP	CHECKED BY: JLL
	SIGN DETAILS	SHEET 27 OF 56

.../27 SIGN DETAILS.DWG 07/08/02 10:31 AM



- NOTES**
1. THE SCOPE OF WORK IS TO PROVIDE ALL LABOR, MATERIALS, SERVICES, SUPPLIES, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES NECESSARY TO FURNISH AND INSTALL COMPLETE ELECTRICAL WORK AS CALLED FOR ON THE DRAWINGS, SPECIFIED, OR AS MAY REASONABLY BE IMPLIED AS BEING INCIDENTAL TO THIS WORK.
 2. SECURE AND PAY COSTS OF PERMITS, CERTIFICATES, LICENSES, INSPECTIONS, AND APPROVALS.
 3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF WORK. BASIC DESIGN CONCEPTS INDICATED ARE TO BE EITHER FOLLOWED OR BETTERED. WORK IS INTENDED TO INCLUDE ITEMS NECESSARY FOR PROPER OPERATION AND COMPLETION. FIELD VERIFY ALL LOCATIONS, ELEVATIONS, AND DIMENSIONS.
 4. EXECUTE ALL WORK IN A NEAT AND WORKMANLIKE MANNER IN CONFORMANCE WITH BEST MODERN TRADE PRACTICE, BY COMPETENT, EXPERIENCED MECHANICS, PRESENTING A NEAT APPEARANCE WHEN COMPLETED. REPLACE WORK NOT APPROVED BY OWNER WITHOUT ADDITIONAL CHARGE.
 5. ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, AND ALL CODES, REGULATIONS AND REQUIREMENTS OF ALL MUNICIPAL, STATE, FEDERAL AND OTHER PUBLIC OR PRIVATE AUTHORITIES WHICH HAVE JURISDICTION. IN EACH CASE, CODES ARE MINIMUM REQUIREMENTS.
 6. SHOP DRAWINGS: SUBMIT COMPLETE CATALOG INFORMATION FOR ALL MATERIALS AND EQUIPMENT TO BE PURCHASED AND USED ON THIS PROJECT, AS SPECIFIED BY THE DRAWINGS. DO NOT INSTALL MATERIALS OR EQUIPMENT WITHOUT APPROVAL BY THE OWNER. UNAPPROVED MATERIAL ALREADY INSTALLED SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT WITH APPROVED MATERIALS AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT APPROVED SUBSTITUTE ITEMS WILL FIT INTO AVAILABLE SPACES AND FOR ANY EXTRA CHARGES BY OTHER TRADES.
 7. AS THERE MAY BE VARIOUS CONDITIONS AT THE SITE WHICH DO NOT SHOW ON THE ACCOMPANYING DRAWINGS, OR WHICH ARE AT VARIANCE WITH THE CONDITIONS INDICATED ON THE DRAWINGS, IT IS IMPORTANT THAT EACH BIDDER VISIT THE SITE AND ACQUAINT THEIRSELF WITH EXISTING CONDITIONS AND TAKE THESE CONDITIONS INTO CONSIDERATION WHEN PREPARING THEIR BID. EACH BIDDER SHALL OBTAIN INFORMATION OR MAKE ANY MEASUREMENT DESIRED. LACK OF KNOWLEDGE RELATIVE TO EXISTING SITE CONDITIONS WILL NOT BE ALLOWED AS A BASIS FOR EXTRA COMPENSATION.
 8. THE FINISHED INSTALLATION SHALL BE COMPLETE IN EVERY RESPECT AND DETAIL, TESTED AND LEFT READY IN PERFECT OPERATING CONDITION FOR THE OWNER'S USE.
 9. MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS' LABORATORIES AND SHALL BE INSTALLED IN ACCORDANCE WITH SUCH LISTINGS.
 10. THE CONTRACTOR SHALL GUARANTEE THAT MATERIALS, EQUIPMENT AND WORKMANSHIP PROVIDED BY HIM SHALL BE FREE FROM DEFECTS IN MATERIALS OR WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK DONE UNDER THIS CONTRACT, AND SHALL REPLACE PARTS FOUND TO BE DEFECTIVE WITHIN THE PERIOD COVERED BY SUCH GUARANTEE, WITHOUT COST TO THE OWNER.
 11. INSTALLATION SHALL BE MADE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 12. CONTRACTOR TO CONTACT DIGSAFE IN VERMONT PRIOR TO COMMENCING WORK.
 13. CONTRACTOR TO CONTACT UTILITY COMPANY FOR COORDINATION OF NEW ELECTRICAL SERVICE.

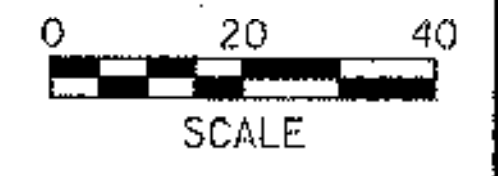
CONDUIT & CONDUCTOR SCHEDULE			
KEY	CONDUIT SIZE, TYPE	CONDUCTORS	
		FOR FIXTURES	FOR GROUND
A	2", PVC	2#6	1#6
B	2", PVC	2#6	1#6
C	2", PVC	NONE	NONE

NOTE: MAXIMUM OF 270° IN TOTAL BENDS PERMITTED IN SINGLE RUN OF CONDUIT

LIGHTING LOCATION SCHEDULE			
PARKING LOT (P)			
NO.	STA.	OFFSET	TYPE
P-1	1+56	27.2' RT.	P
P-2	2+24	27.2' RT.	P
P-3	2+89	27.2' RT.	P
P-4	3+56	27.2' RT.	P
P-5	4+17	27.2' RT.	P
ACCESS ROAD (A)			
A-1	10+28	25.1' RT.	A
A-2	10+73	22.8' RT.	A
A-3	11+24	25.6' RT.	A
A-4	11+84	27.1' RT.	A
A-5	12+44	51.5' RT.	A

LUMINAIRE SCHEDULE						
SYMBOL	TYPE	CATALOG NO.	DESCRIPTION	LAMP	INPUT WATTS	VOLTS
○	A	SPMM-10M-0-H-2-G-MC3-DB	GE DECASHIELD 175 1 FIXTURES ON ARSA-20-SD-4B-DB WITH BREAKAWAY BASE (SLIP BASE ASSEMBLY)	(1) 100W MH	120	120
○	P	SPMM-10M-0-H-2-G-MC5-DB	GE DECASHIELD 175 2 FIXTURES ON ARSA-20-DO-4B-DB WITH BREAKAWAY BASE (SLIP BASE ASSEMBLY)	(2) 100W MH	240	120

- LEGEND**
- PUE - PROPOSED UNDERGROUND ELECTRIC
 - - SITE LIGHT
 - - SITE LIGHT
 - P-5 - SITE LIGHT POLE NUMBER
 - ④ - CIRCUIT

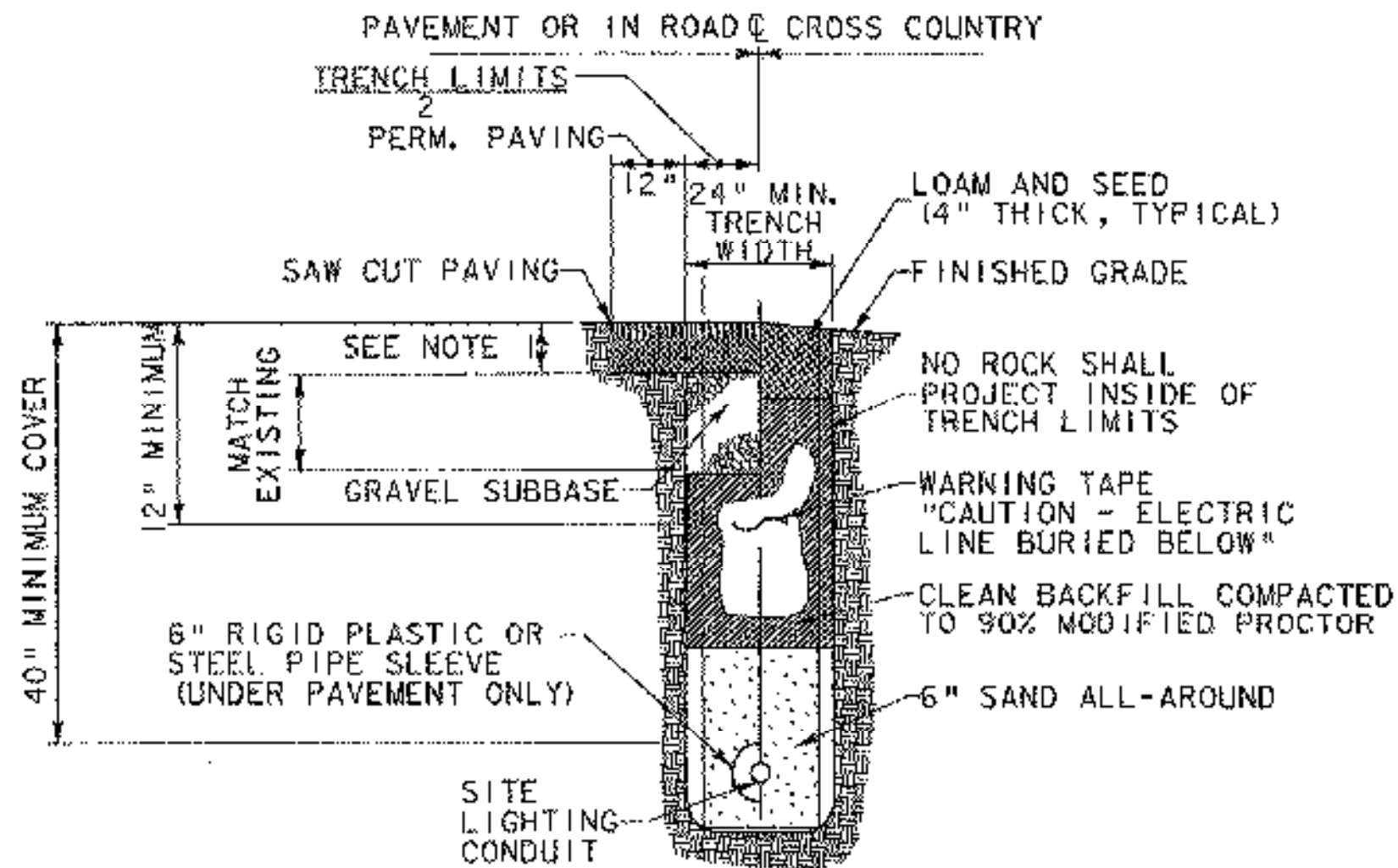


PROJECT NAME:	COLCHESTER PARK-AND-RIDE
PROJECT NUMBER:	CMG PARK(18)S
FILE NAME:	zk062lgt.dgn
DESIGNED BY:	LAB
CHECKED BY:	CSP
PLOT DATE:	07/08/02
DRAWN BY:	GGG
CHECKED BY:	CSP
SHEET	31 OF 56

DIG SAFE NOTE:
UTILITIES ARE PLOTTED FROM FIELD LOCATIONS AND ANY RECORD INFORMATION AVAILABLE, AND SHOULD BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST WHICH ARE NOT EVIDENT OR FOR WHICH RECORD INFORMATION WAS NOT AVAILABLE. CONTRACTORS MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING. ALSO, CALL "DIG SAFE" AT (1888) 344-7233 E! (888) DIG-SAFE!

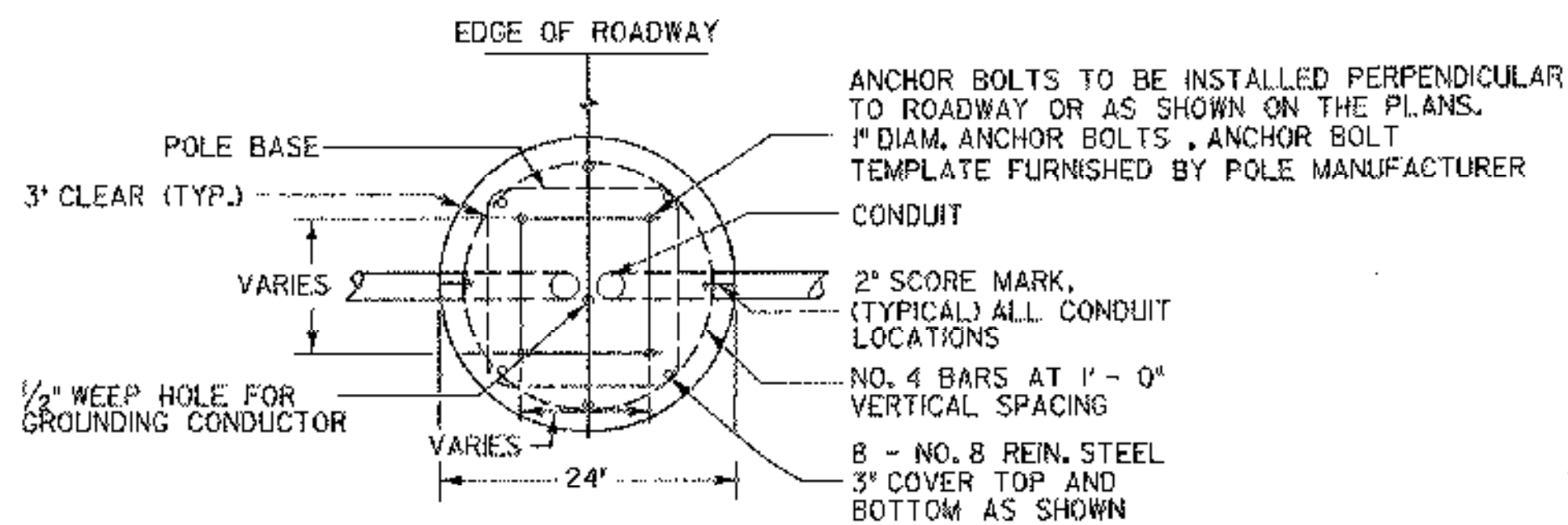
NOTES

1. BOTTOM OF TRENCH SHALL BE UNDISTURBED ORIGINAL GROUND OR FIRMLY COMPACTED EARTH FREE FROM VOIDS, ROCK OR RUBBLE AND OF RELATIVELY SMOOTH ARCH, AND LINED WITH A MINIMUM OF 2 INCHES OF CLEAN SAND.
2. CONDUIT UNDER AREAS SUBJECT TO VEHICULAR TRAFFIC SHALL BE ENCASED IN RIGID PLASTIC OR STEEL PIPE SLEEVES. 6" ENCASUREMENT AROUND PVC CONDUITS TO FIVE FEET (5') BEYOND EDGE OF PAVEMENT, TYPICAL.
3. A 3" SPACING SHALL BE MAINTAINED BETWEEN ADJACENT CONDUITS.
4. PVC CONDUIT SHALL BE PRIMED AND GLUED TO FORM A WATERTIGHT SEAL.

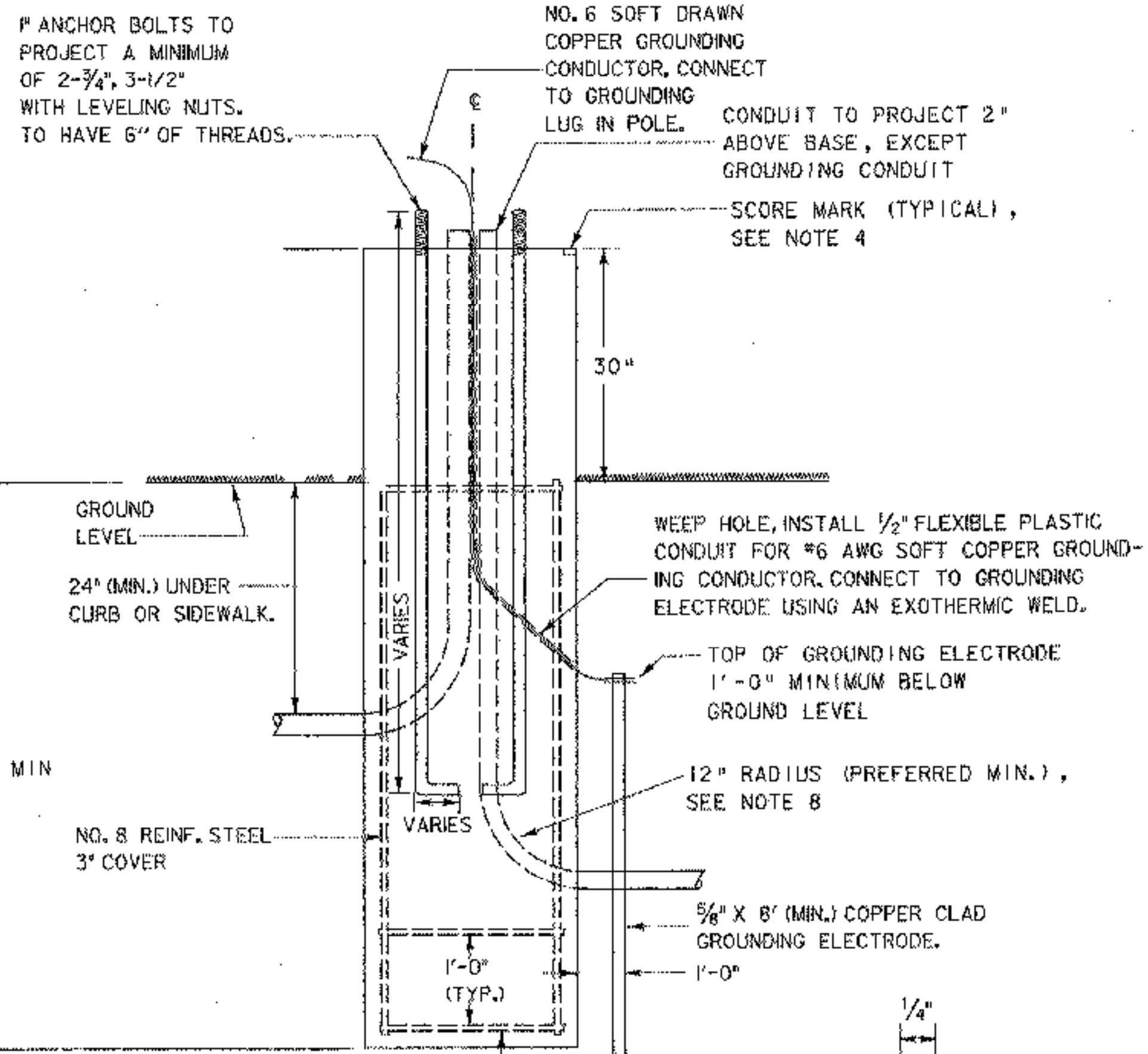


TYPICAL TRENCH SECTION

NOT TO SCALE



PLAN

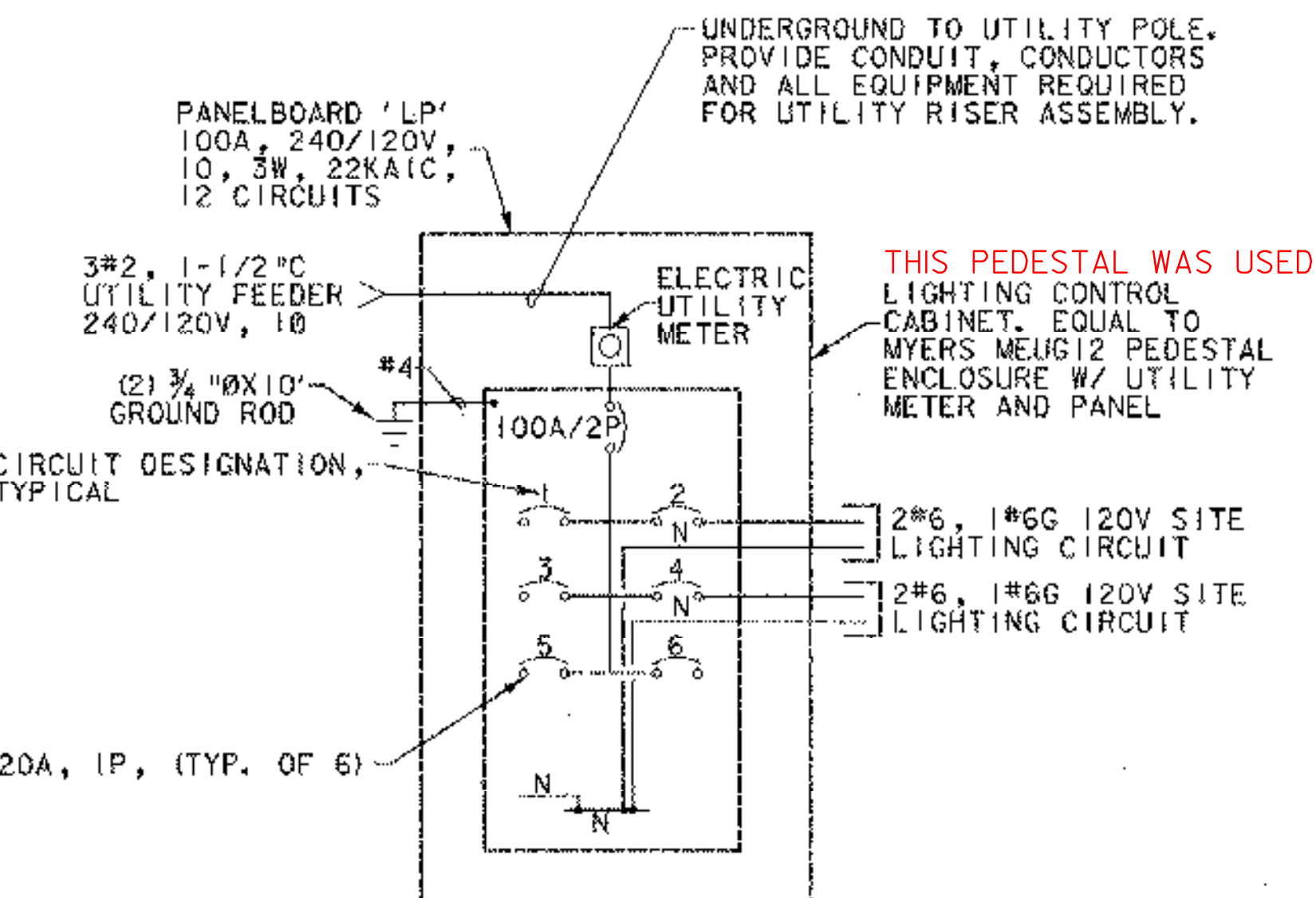


ELEVATION

CONCRETE POLE BASE DETAIL

NOT TO SCALE

SCORE MARK DETAILS

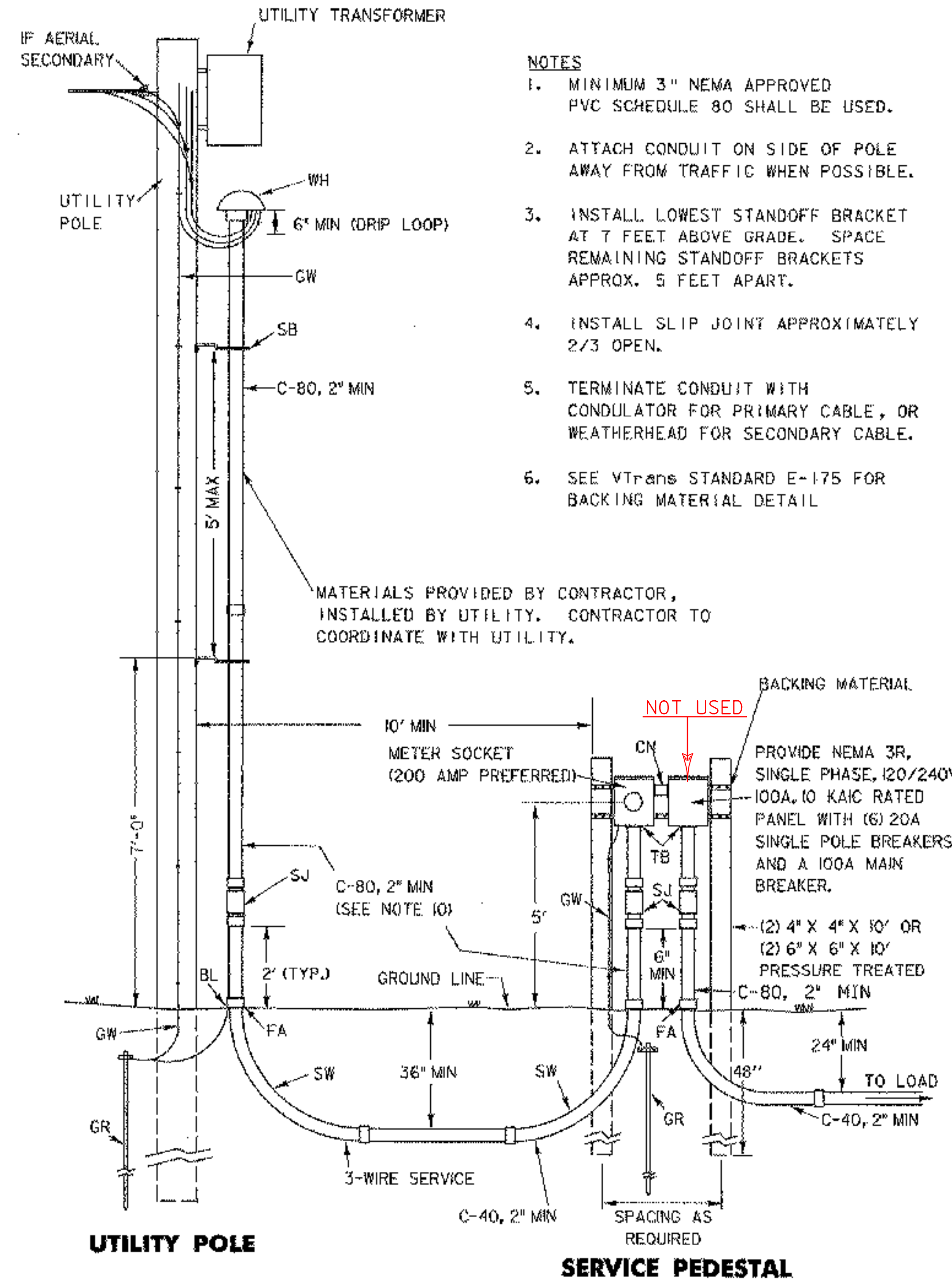


ONE-LINE DIAGRAM ROADWAY LIGHTING SERVICE PEDESTAL

NOT TO SCALE
NOTE: NO RELAYS REQUIRED

NOTES

1. ALL CONCRETE BASES TO BE CONCRETE, CLASS B, AND SHALL HAVE A SMOOTH LEVEL TOP SURFACE FINISHED WITH A 1/2 INCH RADIUS EDGING TOOL.
2. ALL REINFORCING STEEL TO CONFORM TO THE REQUIREMENTS FOR "REINFORCING STEEL."
3. TEMPLATE FOR ANCHOR BOLTS, STAINLESS STEEL ANCHOR BOLTS, NUTS, AND WASHERS TO BE OBTAINED BY CONTRACTOR PRIOR TO CONSTRUCTION OF BASES.
4. SCORE TOP OF CONCRETE BASE TO SHOW LOCATION OF CONDUITS.
5. CONDUIT SIZE - AS SHOWN ON THE PLANS.
6. ALL EXPOSED METAL HARDWARE SHALL BE GALVANIZED OR STAINLESS STEEL.
7. IF THE ELECTRICAL CONDUIT IN THE CONCRETE BASE IS GALVANIZED STEEL, GROUNDING BUSHINGS SHALL BE USED.
8. THE MINIMUM RADIUS FOR RIGID METALLIC OR NON-METALLIC ELECTRICAL CONDUIT SHALL BE SIX TIMES THE INSIDE DIAMETER OF THE CONDUIT.
9. SEE STANDARD SHEET E-173 FOR PULL BOX DETAIL.
10. ALL STREET LIGHT POLES SHALL HAVE A BREAKAWAY DEVICE (SLIP BASE ASSEMBLY, SEE VTRANS STANDARD E-1808) BETWEEN THE POLE BASE AND CONCRETE BASE.



UTILITY POLE AND SERVICE PEDESTAL DETAIL

NOT TO SCALE

NOTES

1. MINIMUM 3" NEMA APPROVED PVC SCHEDULE 80 SHALL BE USED.
2. ATTACH CONDUIT ON SIDE OF POLE AWAY FROM TRAFFIC WHEN POSSIBLE.
3. INSTALL LOWEST STANDOFF BRACKET AT 7 FEET ABOVE GRADE. SPACE REMAINING STANDOFF BRACKETS APPROX. 5 FEET APART.
4. INSTALL SLIP JOINT APPROXIMATELY 2/3 OPEN.
5. TERMINATE CONDUIT WITH CONDULATOR FOR PRIMARY CABLE, OR WEATHERHEAD FOR SECONDARY CABLE.
6. SEE VTRANS STANDARD E-175 FOR BACKING MATERIAL DETAIL

LEGEND	
ITEM	MATERIAL
BL	BONDING LUG (IF STEEL CONDUIT)
C-40	CONDUIT - PVC SCHEDULE 40
C-80	CONDUIT - PVC SCHEDULE 80
CN	CONDUIT NIPPLE
FA	FEMALE ADAPTER OR COUPLINGS AS REQUIRED
GR	GROUND ELECTRODE, 5/8" X 8" (MIN) COPPER CLAD (2 REQ.)
GW	GROUND CONDUCTOR, #6 AWG CU (MIN)
SB	STANDOFF BRACKET (SEE DETAIL)
SJ	SLIP JOINT, INSTALL 2/3 OPEN
SSS	STAINLESS STEEL STRAP (1" MIN)
SW	90° SWEEPS, (PVC) 36" R. - SERVICE, 24" R. - LOAD
TB	THREADED BUSHING
WH	WEATHERHEAD OR CONDULATOR



PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062lgt.dgn
 PROJECT LEADER: WLD
 DESIGNED BY: LAB
 LIGHTING DETAIL #1
 PLOT DATE: 07/08/02
 DRAWN BY: GGG
 CHECKED BY: CSP
 SHEET 32 OF 56

GENERAL STREET LIGHT NOTES

CONCRETE BASES

WHEN CONCRETE BASES ARE INSTALLED IN SLOPING GROUND, THE GREATEST EXPOSED HEIGHT TO KEEP ALL OF THE TOP ABOVE GROUND MUST BE DOUBLED AND THEN ADDED TO THE MINIMUM DEPTH FOR THE TOTAL BASE DEPTH.

CARE SHOULD BE TAKEN WHERE CONCRETE BASES, DRAINAGE STRUCTURES OR UTILITIES ARE CLOSE TOGETHER.

POLES, ANCHOR BASES AND ARMS

REFER TO LUMINAIRE SCHEDULE ON LIGHTING PLAN (SHEET 31) FOR ALUMINUM STREET LIGHT POLE SHAFT WALL THICKNESS.

ALL NEW STREET LIGHT POLES AND LUMINAIRE ARMS SHALL BE ALUMINUM IN ACCORDANCE WITH SUBSECTION 753.01 (B) AND SHALL BE DARK BRONZE IN COLOR. REFER TO LUMINAIRE SCHEDULE FOR POLE MATERIAL SPECIFICATION.

ALL STREET LIGHT POLES SHALL HAVE A BREAKAWAY DEVICE (SLIP BASE ASSEMBLY, SEE VTRANS STANDARD E-180B) BETWEEN THE POLE BASE AND CONCRETE BASE.

LUMINAIRES

LIGHT DISTRIBUTION IS BASED ON GENERAL ELECTRIC PHOTOMETRIC DATA DRAWINGS *35-178271, MEDIUM CUT-OFF, TYPE III DISTRIBUTION, DATED 09-28-90 AND *35-178665, SHORT CUTOFF, TYPE V DISTRIBUTION, DATED 03-06-97.

THE PHOTOMETRIC DATA DRAWINGS WERE USED FOR DESIGN PURPOSES ON THIS PROJECT. OTHER MANUFACTURER'S PRODUCTS MAY BE SUBSTITUTED IF THE INSTALLED LUMINAIRE LIGHT UTILIZATION AND MINIMUM FOOTCANDLES ON THE ROADWAY, SHOULDER AND SIDEWALK ARE AT LEAST AS GREAT AS THAT INDICATED BY THE ABOVE PHOTOMETRIC AND IF THE LUMINAIRES ARE DARK BRONZE IN COLOR.

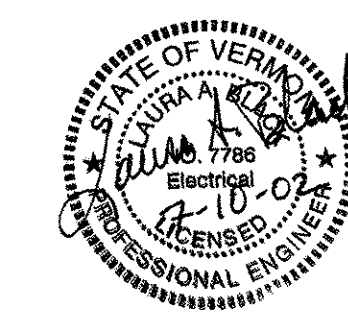
CONDUIT

A 2 INCH (I.D.) MINIMUM CONDUIT SHALL BE USED AT ALL LOCATIONS UNLESS OTHERWISE NOTED ON THE PLANS, ALL CONDUIT SHALL BE AT LEAST SCHEDULE 40 P.V.C.

CONDUIT SLEEVE

MINIMUM WALL THICKNESS FOR RIGID PLASTIC PIPE SLEEVES SHALL BE 1/35TH THE DIAMETER. ALL CONDUIT RUNS UNDER ROADWAY SHALL BE INSTALLED IN RIGID PLASTIC OR STEEL PIPE SLEEVES. THE SLEEVE SHALL EXTEND TO WITHIN 2 FEET OF THE SIDE OF A CONCRETE BASE OR PULLBOX. WHERE NO CONCRETE BASE OR PULLBOX IS PRESENT, THE SLEEVE SHALL EXTEND 4 FEET BEYOND THE OUTSIDE EDGE OF SHOULDER OR FACE OF CURB. BACKFILLING AROUND A SLEEVE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

WHEN JACKING A SLEEVE UNDER A ROADWAY IT SHALL BE STEEL WITH A MINIMUM DIAMETER OF 8 INCHES AND MINIMUM WALL THICKNESS OF 3/8 INCH. ACTUAL LENGTH TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.



WIRE

ALL WIRING BETWEEN THE METER AND/OR POWER SOURCE AND THE FIRST POLE AND/OR PULLBOX AND BETWEEN POLES AND/OR PULLBOXES SHALL BE COPPER AND SIZED AS SPECIFIED ON THE PLANS. ALL WIRE SHALL HAVE TYPE XHHW INSULATION OR EQUIVALENT.

GROUNDING

ALL CONDUIT MUST INCLUDE A GROUNDING CONDUCTOR. RIGID STEEL CONDUIT SHALL BE PROPERLY CONNECTED AT THE JOINTS SO AS TO BE WATERTIGHT AND MAINTAIN ELECTRICAL CONTINUITY AND HAVE GROUNDING BUSHINGS SO AS TO ACT AS A GROUND CONDUCTOR.

ALUMINUM WIRE SHALL NOT BE USED FOR GROUND WIRE.

PULLBOXES

FOR DETAILS SEE VTRANS STANDARD SHEET E-173.

GENERAL

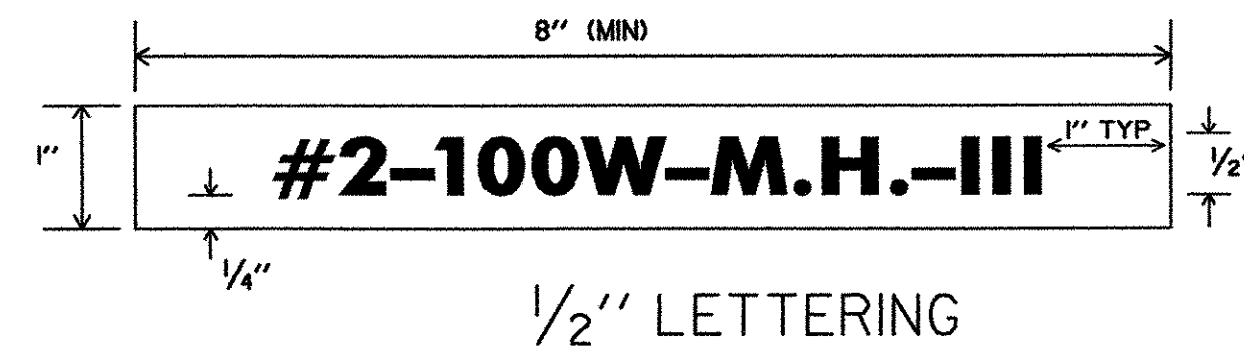
THE LOAD ON EACH BRANCH OF A THREE WIRE CIRCUIT SHALL BE AS BALANCED AS POSSIBLE, LOAD TO NEUTRAL.

THE LAST CONCRETE POLE BASE AT THE END OF EACH CIRCUIT AND SOME PULLBOXES SHALL HAVE A CONDUIT SWEEP WITH CAP INSTALLED FOR FUTURE USE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY ELECTRICAL PERMITS.

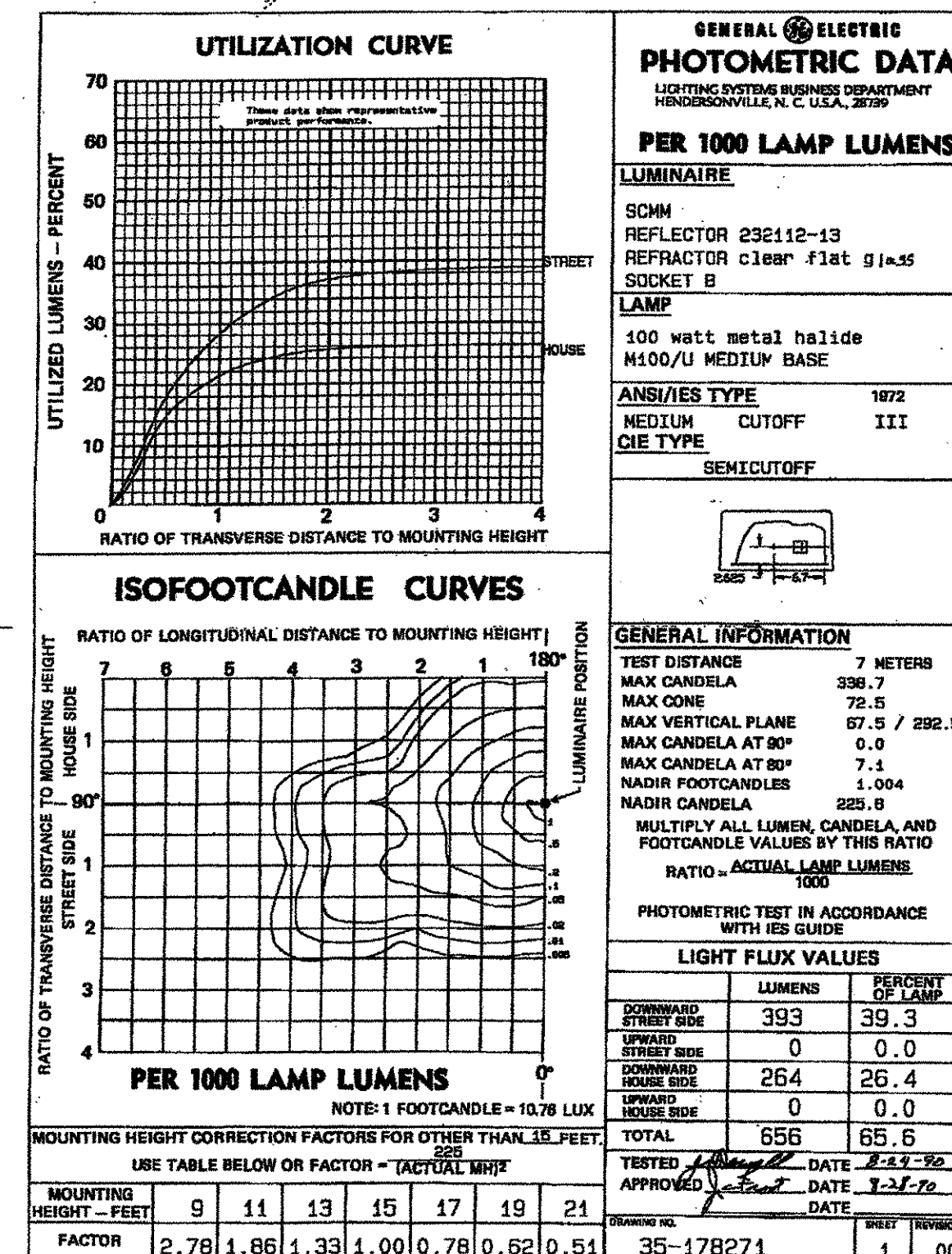
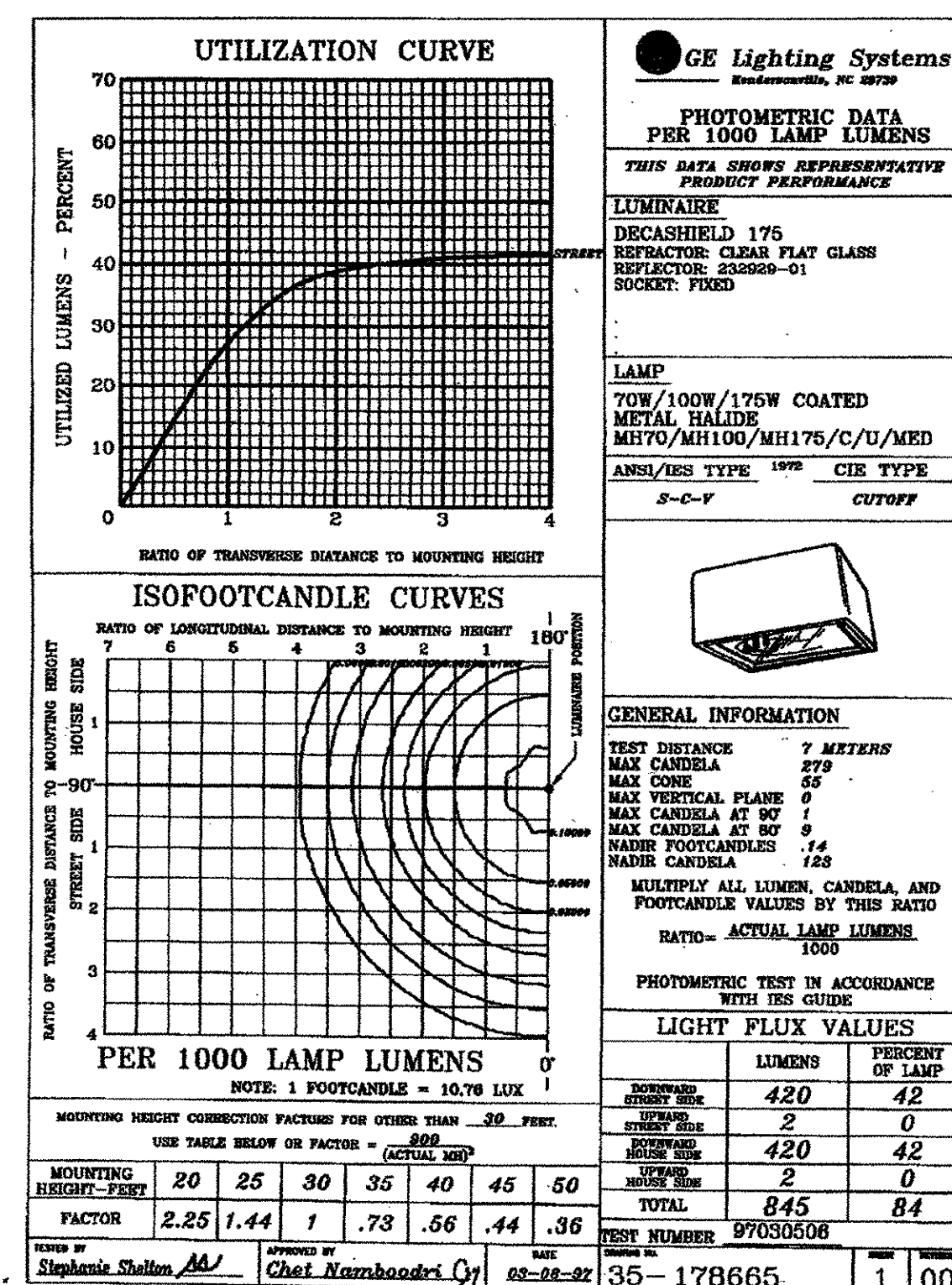
NOTES

1. THE TAG SHALL BE MOUNTED ON ALL STREET LIGHT POLES IN SUCH A MANNER AS NOT TO BE EASILY REMOVED, SUCH AS WELDED, RIVETED, OR BOLTED WITH VANDAL PROOF BOLTS.
2. THE LETTERS SHALL BE PUNCHED, STAMPED, ENGRAVED, OR PHOTO-ETCHED. PUNCHING, STAMPING OR ENGRAVING SHALL PENETRATE AT LEAST 1/2 THE BASE MATERIAL THICKNESS.
3. THE BASE MATERIAL FOR THE TAG SHALL BE ALUMINUM WITH A MINIMUM THICKNESS OF 0.100 INCHES.
4. THE TAG SHALL BE ATTACHED TO THE POLE ABOVE THE HANDHOLE, 6 INCHES MAXIMUM. IF THE POLE HAS A TRANSFORMER BASE ATTACH TAG TO COVER.
5. TYPE 'P' FIXTURE TAG SHALL READ P-#-100W-M.H.-V. TYPE 'A' FIXTURE TAG SHALL READ A-#-100W-M.H.-III.
6. ATTACH POLE NUMBER DECAL ON EACH LIGHT POLE. EXACT LOCATION TO BE DETERMINED BY ENGINEER. TEXT SIZE SHALL BE 2".



LEGEND: BLACK OR WHITE (NON-REFL.) - STAMPED PRIOR TO PRINTING/PAINTING.
BACKGROUND: NATURAL ALUMINUM OR FLAT BLACK SURFACE, SAME AS POLE FINISH.

DETAILS FOR TAGS ATTACHED TO STREET LIGHT POLES



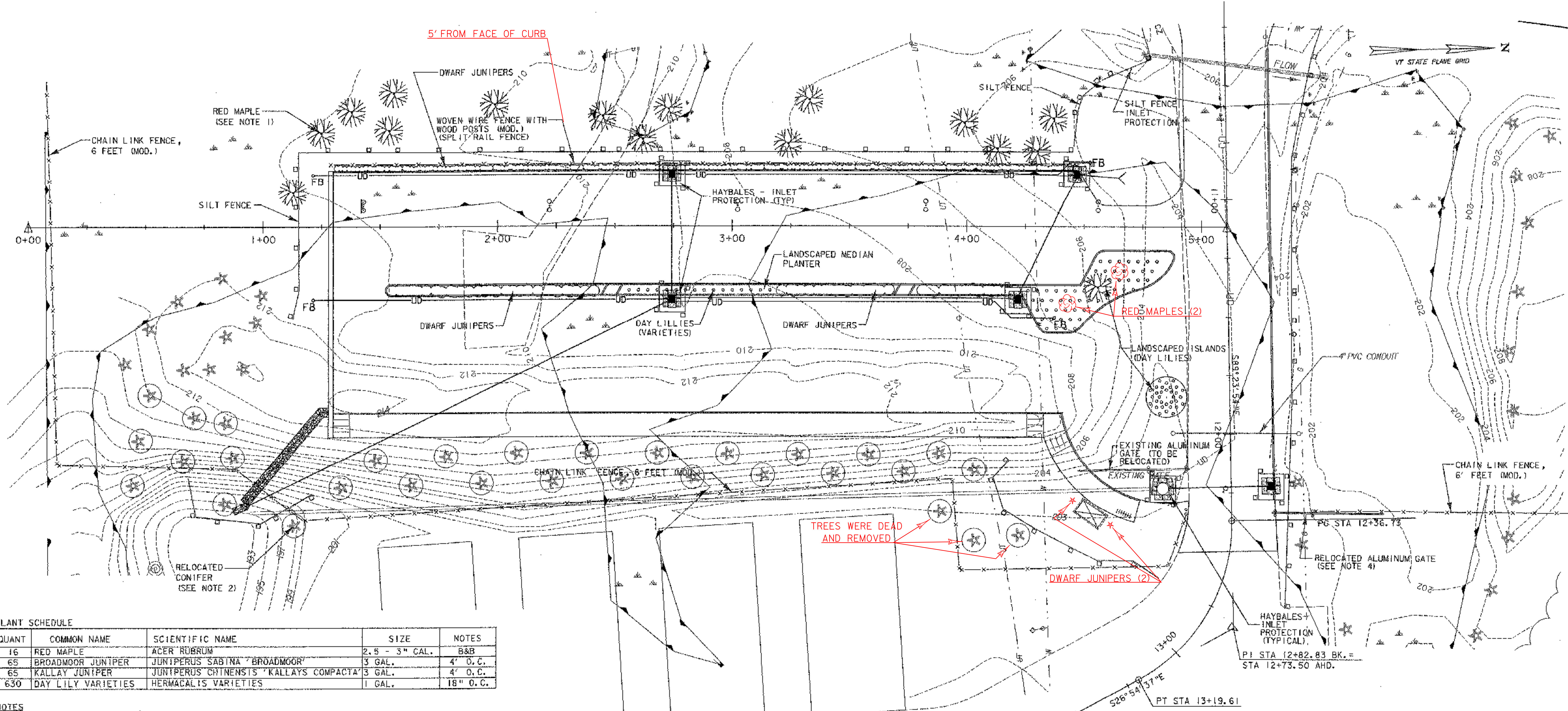
PHOTOMETRIC DATA



PROJECT NAME: COLCHESTER PARK-AND-RIDE
PROJECT NUMBER: CMG PARK(18)

FILE NAME: zk062lgt.dgn
PROJECT LEADER: WLD
DESIGNED BY: LAB
LIGHTING DETAIL #2

PLOT DATE: 07/08/02
DRAWN BY: GGG
CHECKED BY: CSP
SHEET 33 OF 56



PLANT SCHEDULE

QUANT	COMMON NAME	SCIENTIFIC NAME	SIZE	NOTES
16	RED MAPLE	ACER RUBRUM	2.5 - 3" CAL.	B&B
65	BROADMOOR JUNIPER	JUNIPERUS SABINA 'BROADMOOR'	3 GAL.	4' O.C.
65	KALLAY JUNIPER	JUNIPERUS CHINENSIS 'KALLAYS COMPACTA'	3 GAL.	4' O.C.
630	DAY LILY VARIETIES	HERMACALIS VARIETIES	1 GAL.	18" O.C.

- NOTES**
- CONTRACTOR SHALL INSTALL RED MAPLES BEYOND LIMIT OF SILT FENCE WITH MINIMAL IMPACT TO WETLAND AREA. ALL DISTURBED SOILS SHALL BE REGRADED TO EXISTING CONDITIONS AND ALLOWED TO RESTABILIZE, AS DIRECTED BY THE ENGINEER.
 - CONIFER TREES WITHIN CONSTRUCTION LIMITS WERE TRANSPLANTED BY OTHERS FROM CONSTRUCTION AREA TO NEW LOCATIONS. CONIFERS THAT WERE TRANSPLANTED (THOSE WITH A CIRCLE AROUND THEM) ARE SHOWN IN THEIR NEW LOCATIONS. (34 CONIFER TREES TOTAL)
 - DAY LILIES ARE DESCRIBED IN THE FOLLOWING CATEGORIES:
 - EARLY BLOOMERS - BLOOM FROM EARLY MAY TO JUNE.
 - TALL CULTIVARS - LARGE CLIMBING FOLIAGE, WHEN MATURE FORMS A SMALL SHRUB.
 - LATE BLOOMING CULTIVARS - BLOOM FROM JULY TO THE FIRST FROST.
 - PLANT TALL CULTIVARS IN THE MIDDLE OF AN ISLAND WITH THE EARLY AND LATE BLOOMERS AROUND THE OUTSIDE. PLANT EQUAL NUMBERS OF THE FOLLOWING VARIETIES:
 - EARLY BLOOMERS - FLAT GOLD, EARLY BIRD, H. FLAVA 'LILIOASHEDELUS', GENTLE SHEPARD
 - TALL CULTIVARS - AUNT MARY'S LINEN, BRIGHT IDEA, CHALLENGER, EGGS AND PRESERVES, OLLALIE GOLD, BLACK CHERRY
 - LATE BLOOMERS - AUTUMN GARNET, BUTTERSCOTCH HARVEST, DEEP DARK CAVERNS, PERMANENT PERSIMMON, SEPTEMBER STAR, HALLS PINK, GREEN FLUTTER

GEOTEXTILE FOR SILT FENCE
 PARKING LOT STA. 0+68 TO 1+21, RT.
 PARKING LOT STA. 1+13 TO 4+78, LT.
 PARKING LOT STA. 2+69 TO 2+80, RT.
 PARKING LOT STA. 2+69 TO 2+80, RT.
 PARKING LOT STA. 4+16 TO 4+27, RT.
 PARKING LOT STA. 4+41 TO 4+52, LT.
 PARKING LOT STA. 4+11 TO 4+82, RT.
 ACCESS ROAD STA. 10+09 TO 12+65, LT.
 ACCESS ROAD STA. 12+17 TO 12+28, RT.
 ACCESS ROAD STA. 12+17 TO 12+28, LT.

HAYBALES FOR INLET PROTECTION

STA.	OFFSET
2+74	23' LT.
2+74	31' RT.
4+22	31' RT.
4+47	23' LT.
4+84	112' RT.
12+22	17' LT.

GEOTEXTILE FOR SILT FENCE (INLET PROTECTION)
 ACCESS ROAD STA. 10+38, RT.

LANDSCAPING SUMMARY

DECIDUOUS TREES		DECIDUOUS TREES		DWARF JUNIPERS		
STA.	OFFSET	STA.	OFFSET	STA.	STA.	LENGTH
1+13	15' LT.	2+73	51' LT.	1+30, 26' LT. TO 4+48, 26' LT.		318'
1+25	41' LT.	3+24	36' LT.	1+56, 27' RT. TO 2+46, 27' RT.		90'
1+38	50' LT.	3+33	55' LT.	3+21, 27' RT. TO 3+66, 27' RT.		45'
1+54	42' LT.	3+99	45' LT.	3+81, 27' RT. TO 4+21, 27' RT.		40'
1+56	58' LT.	4+13	34' LT.			
1+99	53' LT.	4+30	33' LT.			
2+45	48' LT.	4+37	47' LT.	2+56, 27' RT. TO 3+21, 27' RT.		65'
2+62	38' LT.	4+56	26' RT.			
				DAY LILIES		
				STA.	TO STA.	LENGTH
				4+85, 73' RT.		238
				4+21 TO 4+48, RT.		1079

* SEE TYPICAL SECTION FOR DETAILS

DH
Dufresne-Henry

PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)
 FILE NAME: zk062ero.dgn
 PROJECT LEADER: WLD
 DESIGNED BY: CSP
 EROSION AND LANDSCAPING PLAN

PLOT DATE: 07/08/02
 DRAWN BY: GGG
 CHECKED BY: CSP
 SHEET 34 OF 56



SEEDING FORMULA - RURAL AREAS

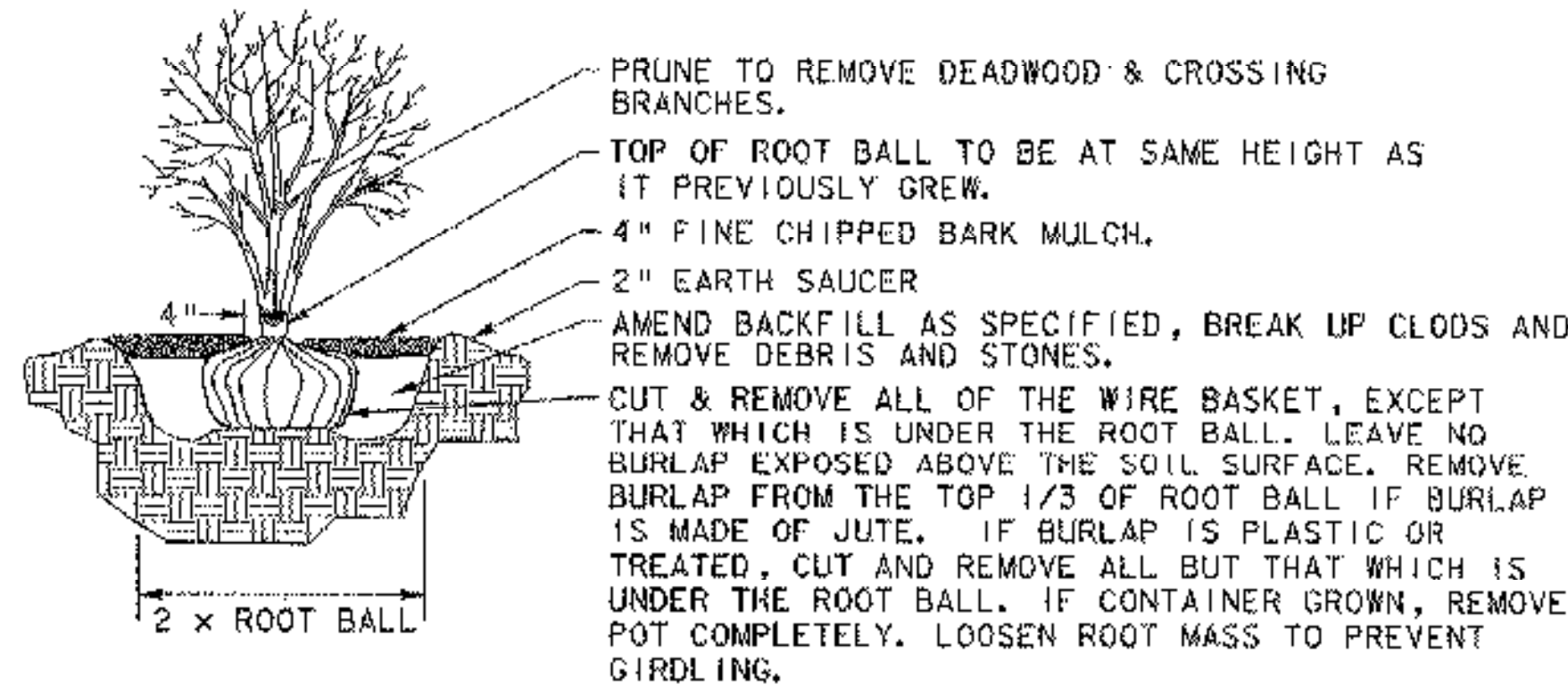
% WT.	LBS./AC.		NAME	GERM %
	BROADCAST	HYDROSEED		
37.6	75.2	94.0	CREeping RED FESCUE/DEN	90
28.4	56.8	71.0	SPARTAN HARD FESCUE	85
14.4	28.8	36.0	AZAY SHEEPS FESCUE	87
14.2	28.4	35.5	ANNUAL RYEGRASS	90
1.0	2.0	2.5	CROP	
4.3	8.6	10.8	INERT	
0.1	0.2	0.2	WEED	
	200.0	250.0		

SEEDING NOTES

1. SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
2. SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER. HYDROSEED MAY BE USED BUT NOTE THAT QUANTITIES WERE CALCULATED USING BROADCAST APPLICATION RATE.
3. FERTILIZER: 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).
4. AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
5. HAY MULCH (MOD.): STRAW MULCH TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
6. TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

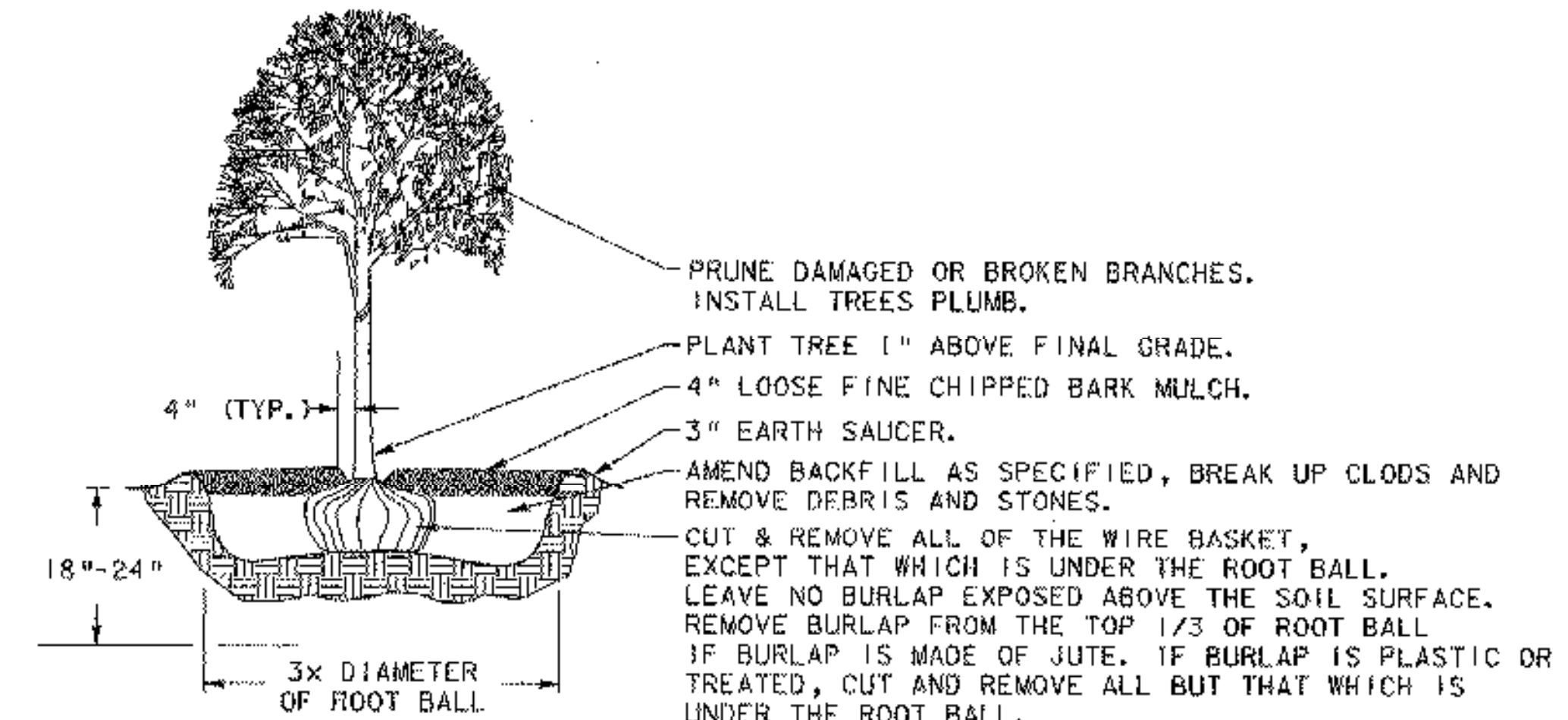
GENERAL NOTES

1. APPLICABLE STANDARDS: AMERICAN NATIONAL STANDARDS FOR TREE CARE OPERATIONS, ANSI A300. AMERICAN STANDARD FOR NURSERY STOCK, AND SO 260.1. HORTUS THIRD, THE STAFF OF THE L. H. BAILEY HORTORIUM. ALL STANDARDS SHALL INCLUDE THE LATEST ADDITIONS AND AMENDMENTS AS OF THE DATE OF ADVERTISEMENT FOR BIDS.
2. WARRANTY TREES AND SHRUBS AND ALL OTHER PLANT MATERIAL FOR A PERIOD OF TWO YEARS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL PLANTS IN A LIVE, HEALTHY AND PRESENTABLE GROWING CONDITION UNTIL ACCEPTANCE OF THE COMPLETED CONTRACT. REMOVE AND REPLACE TREES, SHRUBS, OR OTHER PLANTS FOUND TO BE DEAD OR IN UNHEALTHY CONDITION DURING WARRANTY PERIOD.
3. PLANTING SOIL MIXTURE:
1/3 TOPSOIL
1/3 PEAT MOSS
1/3 COARSE SAND
PLANTING SOIL pH 5.5-6.5
FERTILIZER AS SPECIFIED
4. FERTILIZER: SLOW RELEASE TYPE, OR SUBSTITUTE APPROVED BY THE ENGINEER, APPLIED AS FOLLOWS:
TREES AND SHRUBS
MARCH-MAY 10-10-10
MAY-OCTOBER 6-10-10
OCTOBER-MARCH 4-12-12
RATE OF APPLICATION: 1lb./INCH IN CALIPER
5. EXCAVATE SOIL TO 4' WIDER THAN ROOT BALL DIAMETER FOR TREES AND 2' WIDER FOR SHRUBS. SET BALLED AND BURLAPPED (B&B) STOCK ON LAYER OF COMPACTED SOIL MIXTURE, STAND PLUMB AND IN CENTER OF PIT OR TRENCH WITH TOP OF BALL AT THE SAME ELEVATION AS ADJACENT FINISHED LANDSCAPE GRADES. REMOVE WIRE BASKET AND ALL TWINE, REMOVE BURLAP FROM UPPER HALF OF BALLS; RETAIN ON BOTTOMS. SET CONTAINER GROWN SOCK AS SPECIFIED FOR B&B MATERIAL, EXCEPT CUT CANS ON TWO SIDES WITH AN APPROVED CAN CUTTER.
6. DISH TOP OF BACKFILL TO ALLOW FOR MULCHING. MULCH PITS WITH NOT LESS THAN 3" OF ORGANIC MULCH.
7. WRAP TREE TRUNKS PROMPTLY AFTER PLANTING.
8. GUY AND STAKE TREES IMMEDIATELY AFTER PLANTING, AND REMOVE AFTER ONE GROWING SEASON OR RESTAKE, IF NECESSARY, AS DETERMINED BY THE ENGINEER.
9. ALL PLANTS SHALL BE CAREFULLY AND THOROUGHLY WATERED DURING PLANTING AND AS OFTEN AS NECESSARY THEREAFTER TO PROVIDE THE BEST GROWING CONDITIONS UNTIL ACCEPTANCE OF THE WORK.
10. BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING. MAINTAIN TREES, SHRUBS, AND OTHER PLANTS BY PRUNING, CULTIVATING, AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS. TIGHTEN AND REPAIR STAKE AND GUY SUPPORTS AND REST TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITIONS AS REQUIRED. RESTORE OR REPLACE DAMAGED WRAPPINGS. SPRAY AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE, AT THE EXPENSE OF THE CONTRACTOR.
11. MAINTAIN LAWNS BY WATERING, FERTILIZING, WEEDING, MOWING (2" HEIGHT), TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING, AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS AT THE EXPENSE OF THE CONTRACTOR.



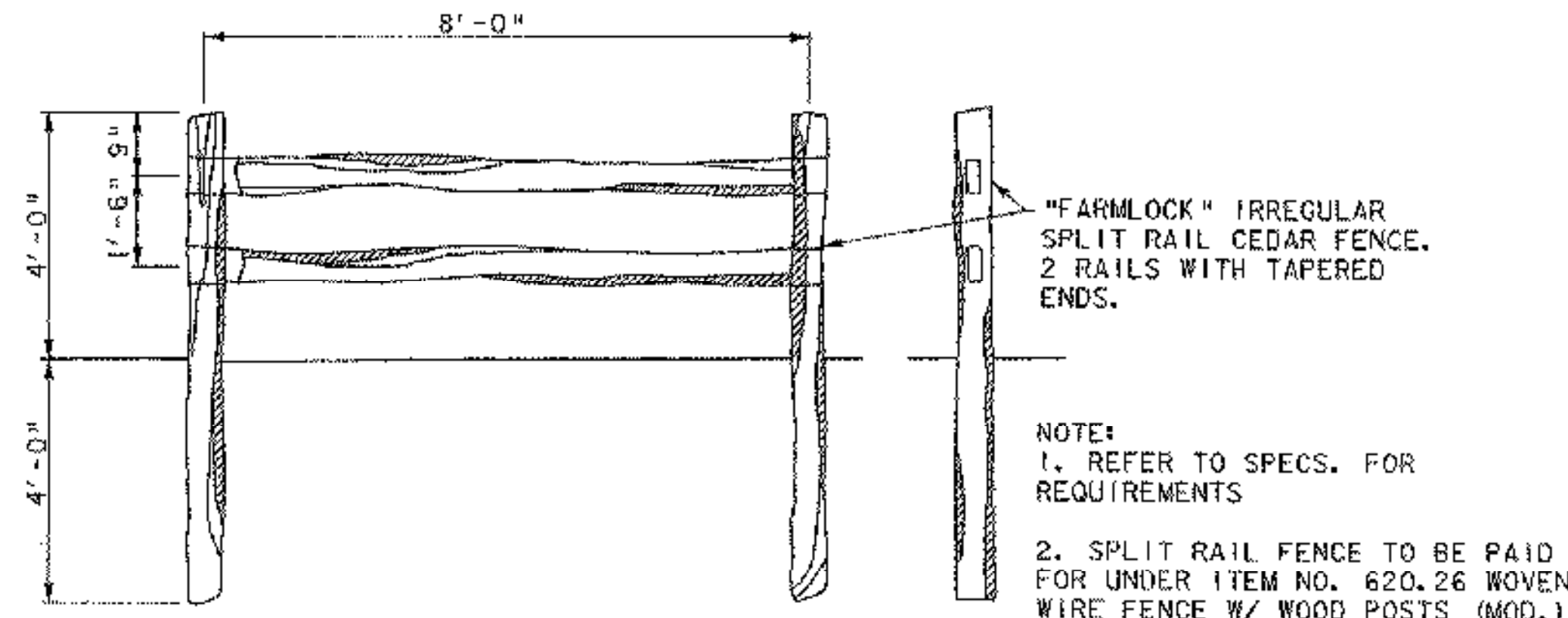
SHRUB PLANTING DETAIL

NOT TO SCALE



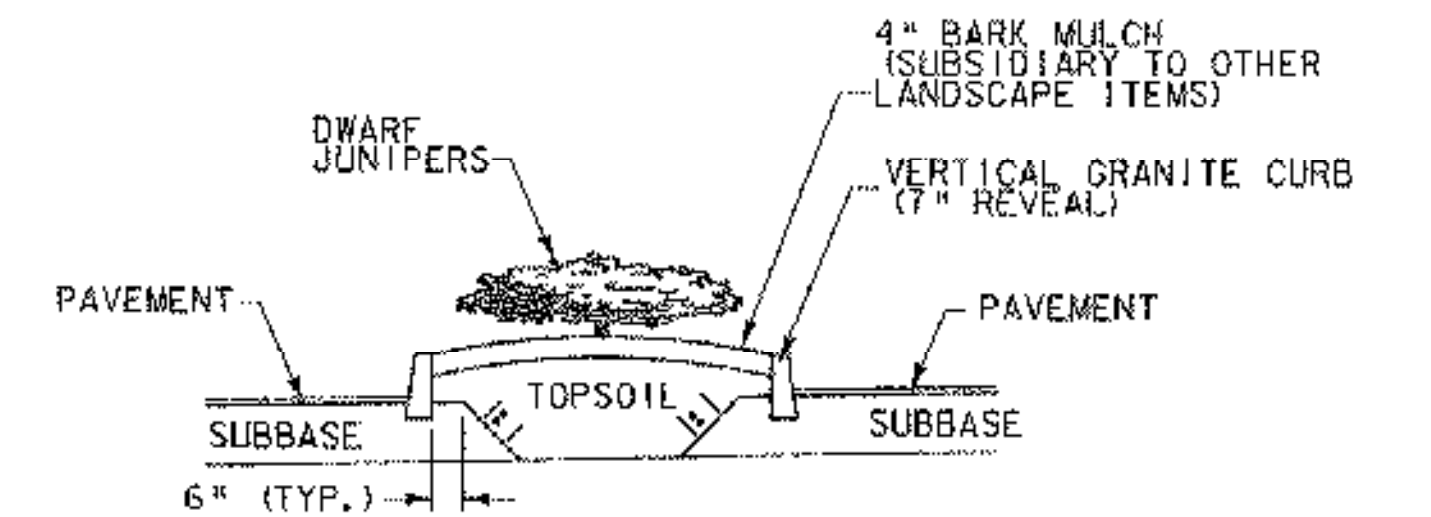
DECIDUOUS TREE PLANTING DETAIL

NOT TO SCALE



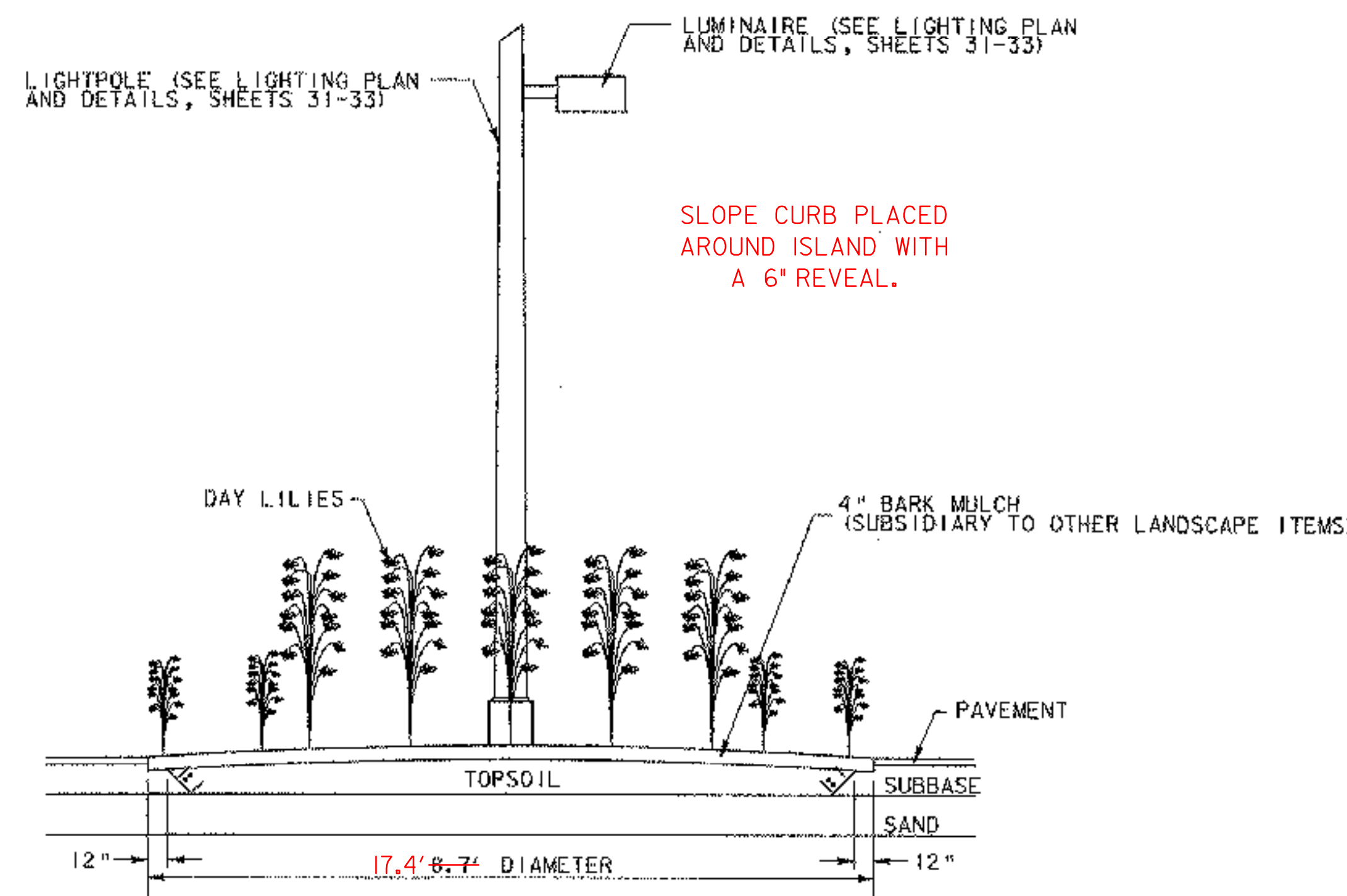
SPLIT RAIL FENCE DETAIL

NOT TO SCALE



MEDIAN PLANTER DETAIL (DWARF JUNIPERS)

NOT TO SCALE



LANDSCAPED ISLAND DETAIL

NOT TO SCALE

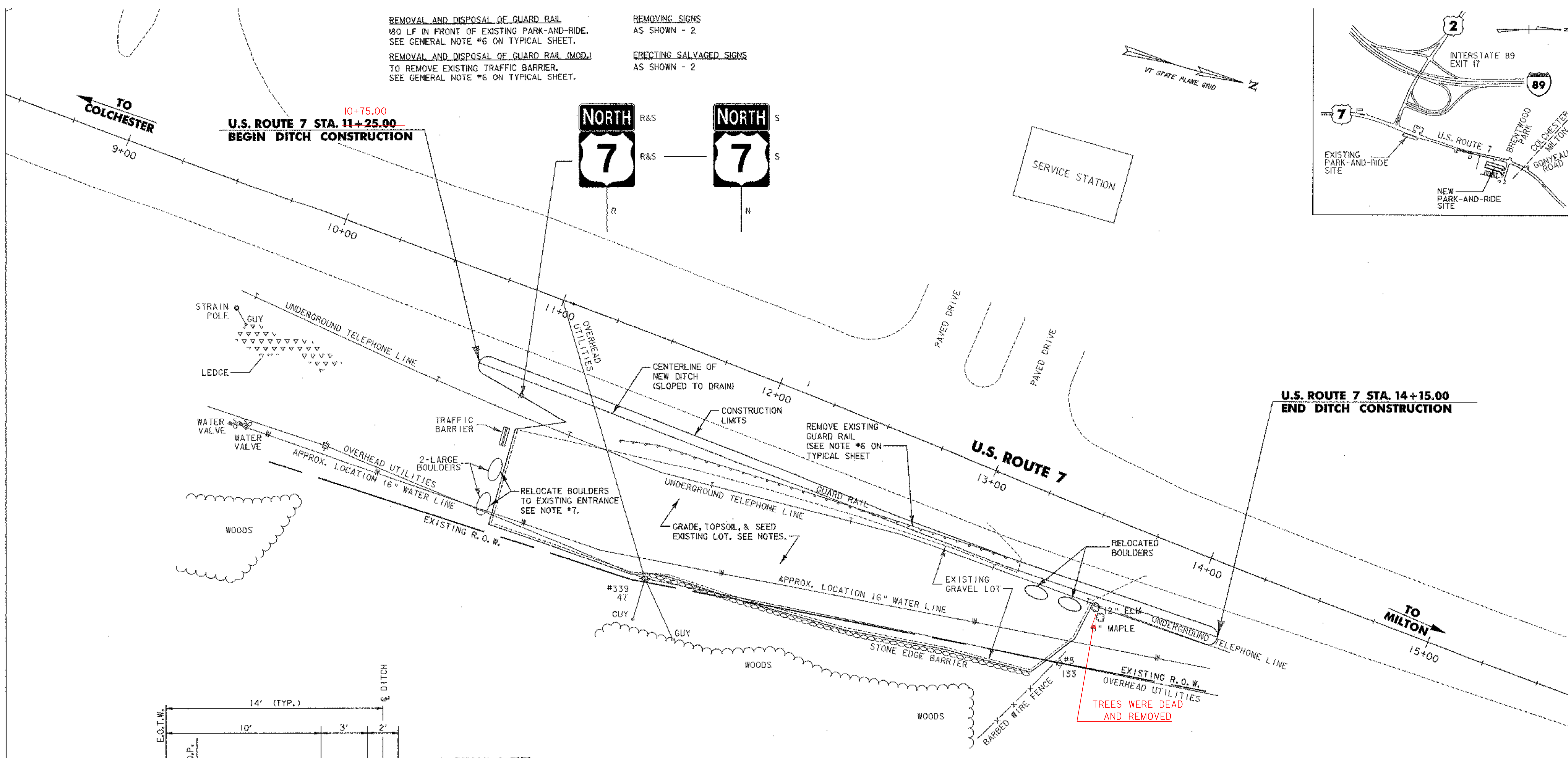
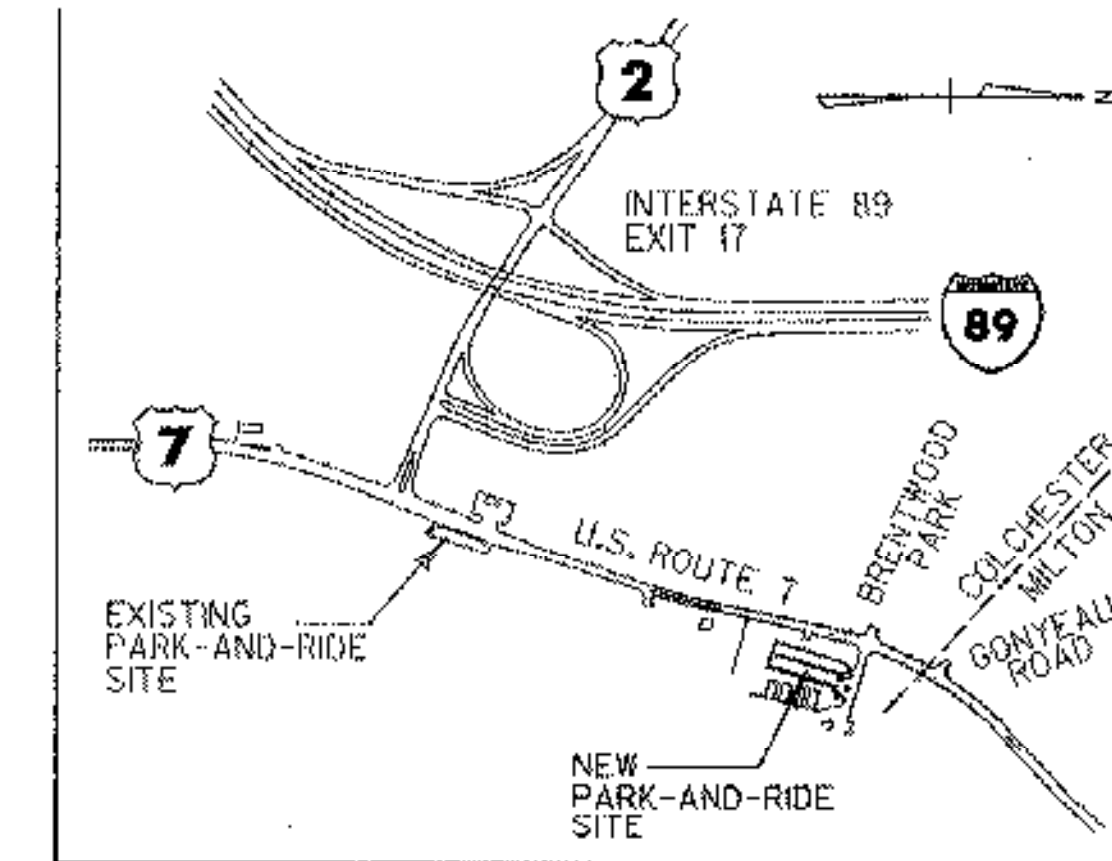


PROJECT NAME: COLCHESTER PARK-AND-RIDE	PLOT DATE: 07/08/02
PROJECT NUMBER: CMG PARK(18)S	DRAWN BY: GGG
FILE NAME: zk062frm.dgn	CHECKED BY: CSP
PROJECT LEADER: WLD	LANDSCAPING DETAILS
DESIGNED BY: CSP	SHEET 35 OF 56

REMOVAL AND DISPOSAL OF GUARD RAIL
180 LF IN FRONT OF EXISTING PARK-AND-RIDE.
SEE GENERAL NOTE #6 ON TYPICAL SHEET.
REMOVAL AND DISPOSAL OF GUARD RAIL (MOD.)
TO REMOVE EXISTING TRAFFIC BARRIER.
SEE GENERAL NOTE #6 ON TYPICAL SHEET.

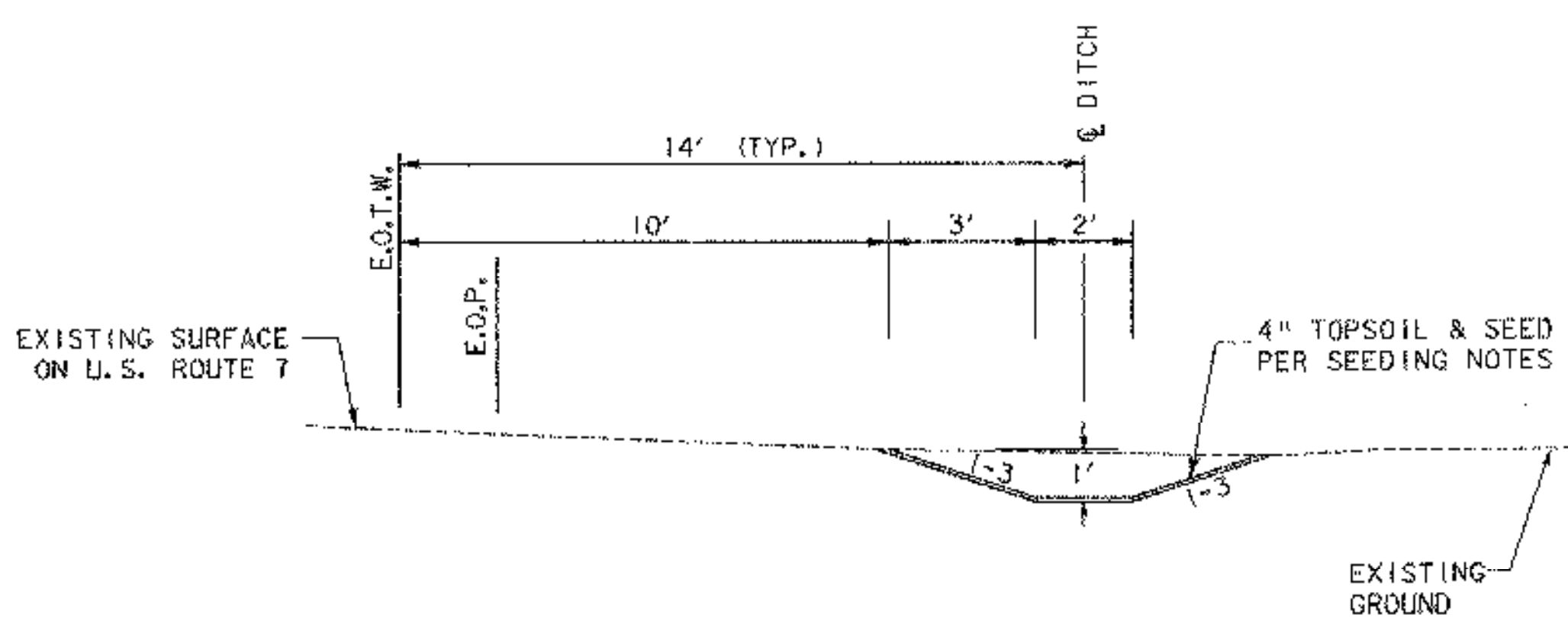
REMOVING SIGNS
AS SHOWN - 2

ERECTING SALVAGED SIGNS
AS SHOWN - 2



10+75.00
U.S. ROUTE 7 STA. 11+25.00
BEGIN DITCH CONSTRUCTION

U.S. ROUTE 7 STA. 14+15.00
END DITCH CONSTRUCTION



DITCH DETAIL
NOT TO SCALE

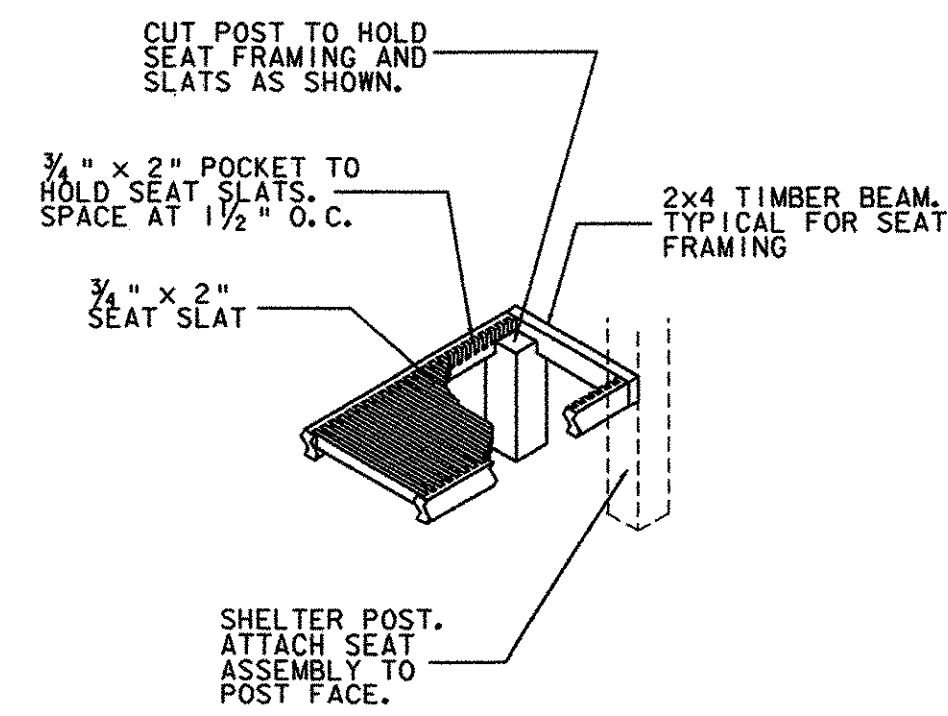
- NOTES**
- EXCAVATE EXISTING CRUSHED ASPHALT SURFACE (8" +/-).
 - HARROW SUBSURFACE TO BREAK UP COMPACTED BASE.
 - GRADE THE EXISTING GRAVEL PARKING LOT TO DRAIN (SUBSIDIARY TO ITEM 203.15).
 - PLACE 4" OF TOPSOIL, SEED, FERTILIZER, LIMESTONE, AND MULCH PER SEEDING FORMULA ON THE LANDSCAPE DETAIL SHEET.
 - REMOVE ALL SIGNAGE RELATED TO EXISTING PARK-AND-RIDE.
 - CONSTRUCT DITCH AS SHOWN TO PROVIDE DRAINAGE AND BARRIER FOR SITE.
 - RELOCATE EXISTING BOULDERS TO ENTRANCE AS SHOWN (SUBSIDIARY TO ITEM 608.40).



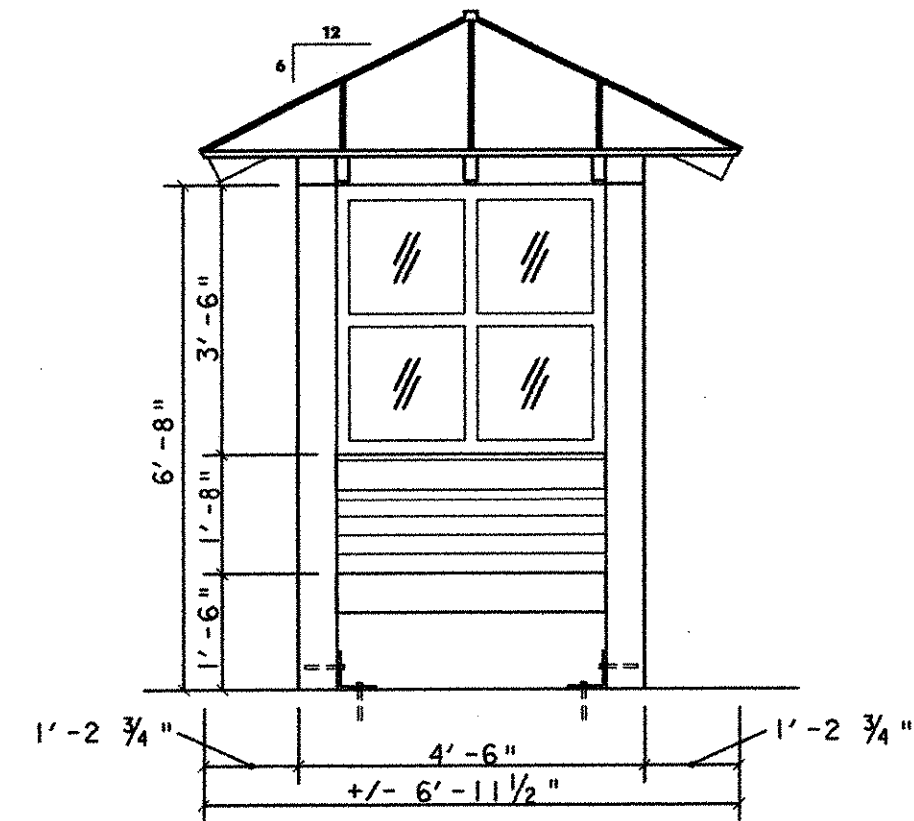
PROJECT NAME:	COLCHESTER PARK-AND-RIDE
PROJECT NUMBER:	CMG PARK(18)S
FILE NAME:	extst1teplan.dgn
PROJECT LEADER:	WLD
DESIGNED BY:	CSP
EXIST. PARK-AND-RIDE CLOSURE	
PLOT DATE:	07/08/02
DRAWN BY:	MAM
CHECKED BY:	CSP
SHEET	36 OF 56

- 16 OZ. STANDING SEAM COPPER ROOF AND DRIP EDGE OVER 15# FELT AND ROSIN PAPER
- DOUBLE LOCK SEAMS @ 1'-9" O.C.
- NOMINAL 2x6 V-GROOVE T&G ROOF DECK
- 2x6 RAFTER
- 8x6 WHITE OAK FRAMING MEMBER
- BACKER ROD AND CAULK
- 1 3/4" x 4 1/2" BRONZE ANODIZED ALUMINUM "STOREFRONT"
- 1/4" SAFETY GLASS
- BRONZE ANODIZED ALUMINUM DRIP CAP
- 6x4 WHITE OAK FRAMING MEMBER
- 3/4" MDO PLYWOOD, PAINTED - CAULK JOINTS
- 2x2 FRAMING
- 4 ROWS CLEAR SPRUCE CLAPBOARDS, STAINED
- 3/4" CDX PLYWOOD
- BRONZE ANODIZED ALUMINUM DRIP CAP
- 6x6 WHITE OAK FRAMING MEMBER
- SEE STRUCTURAL DRAWINGS FOR CONCRETE SLAB

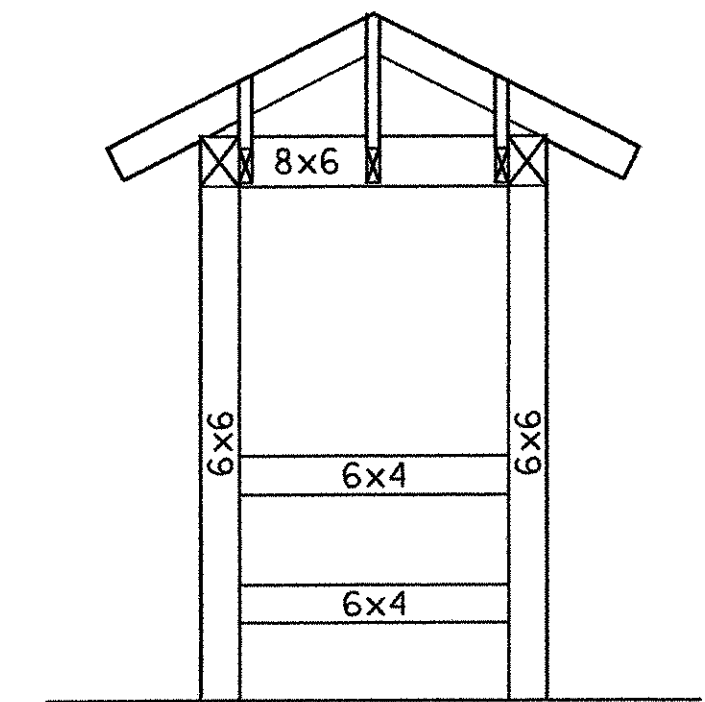
11 TYPICAL WALL SECTION
 A-1 SCALE: 1/2" = 1'-0"



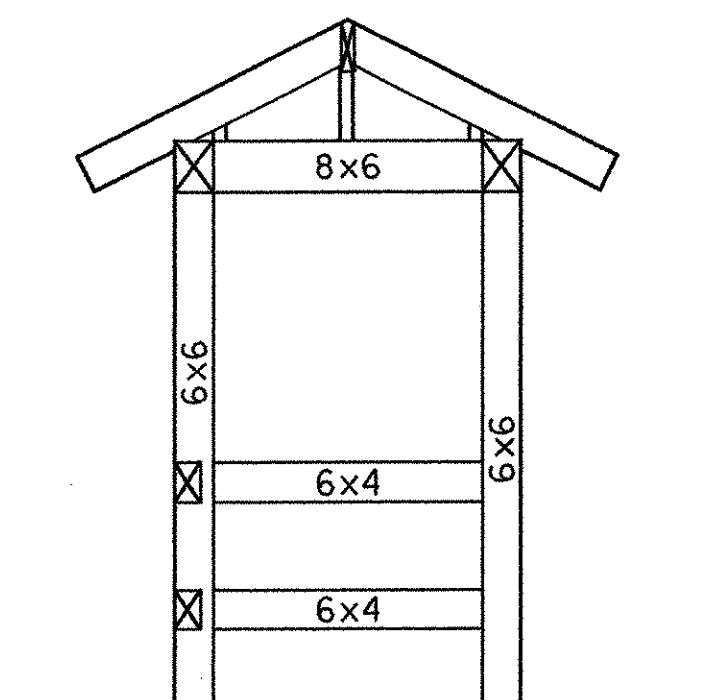
10 DETAIL - BENCH FRAMING
 A-1 SCALE: 1" = 1'-0"



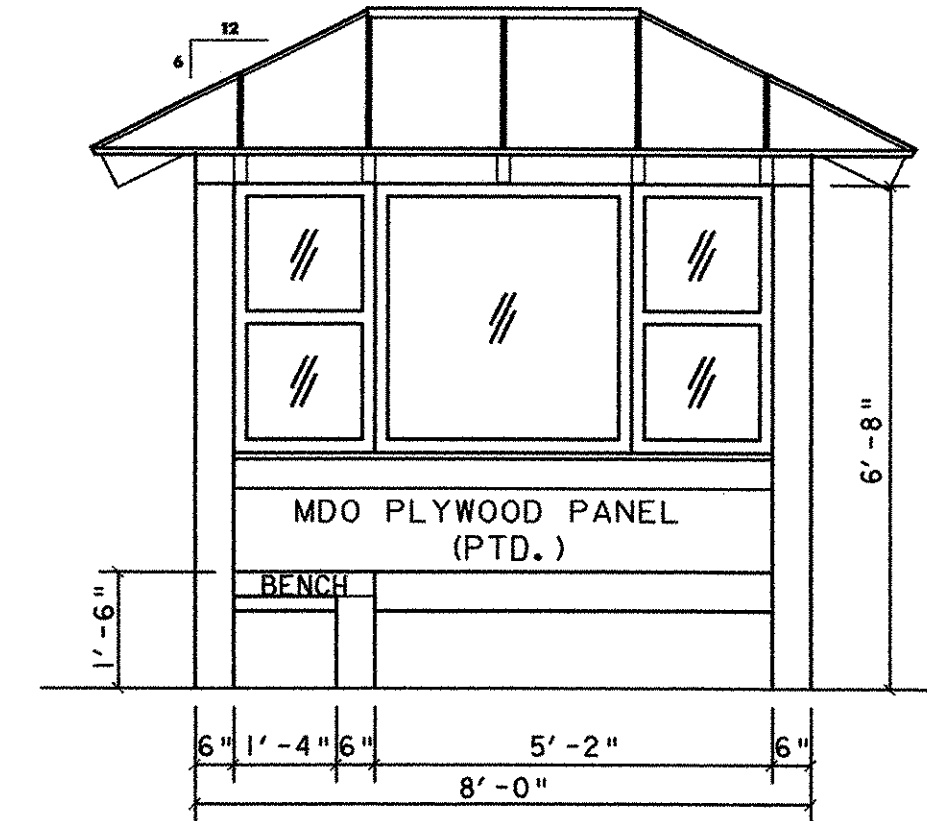
2 END ELEVATION (TYP.)
 A-1 SCALE: 1/2" = 1'-0"



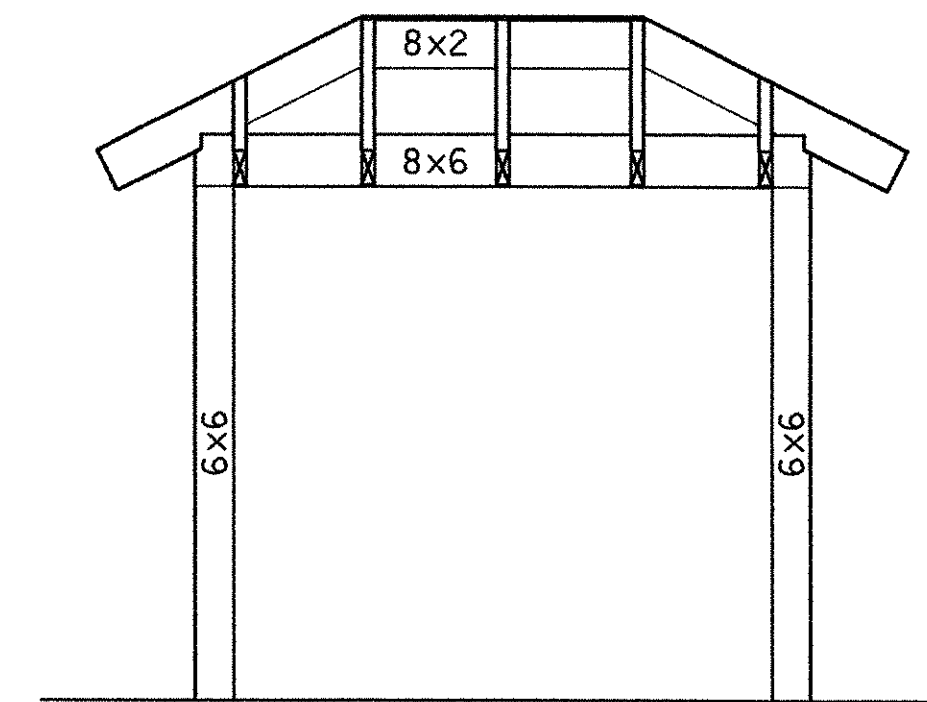
6 END FRAMING - ELEVATION
 A-1 SCALE: 1/2" = 1'-0"



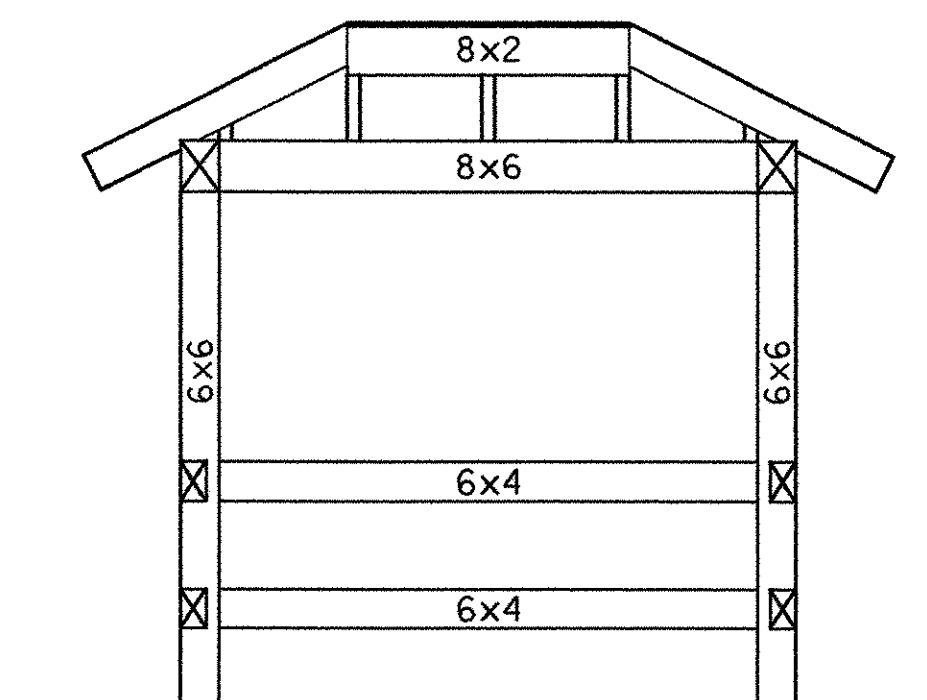
8 END FRAMING - SECTION
 A-1 SCALE: 1/2" = 1'-0"



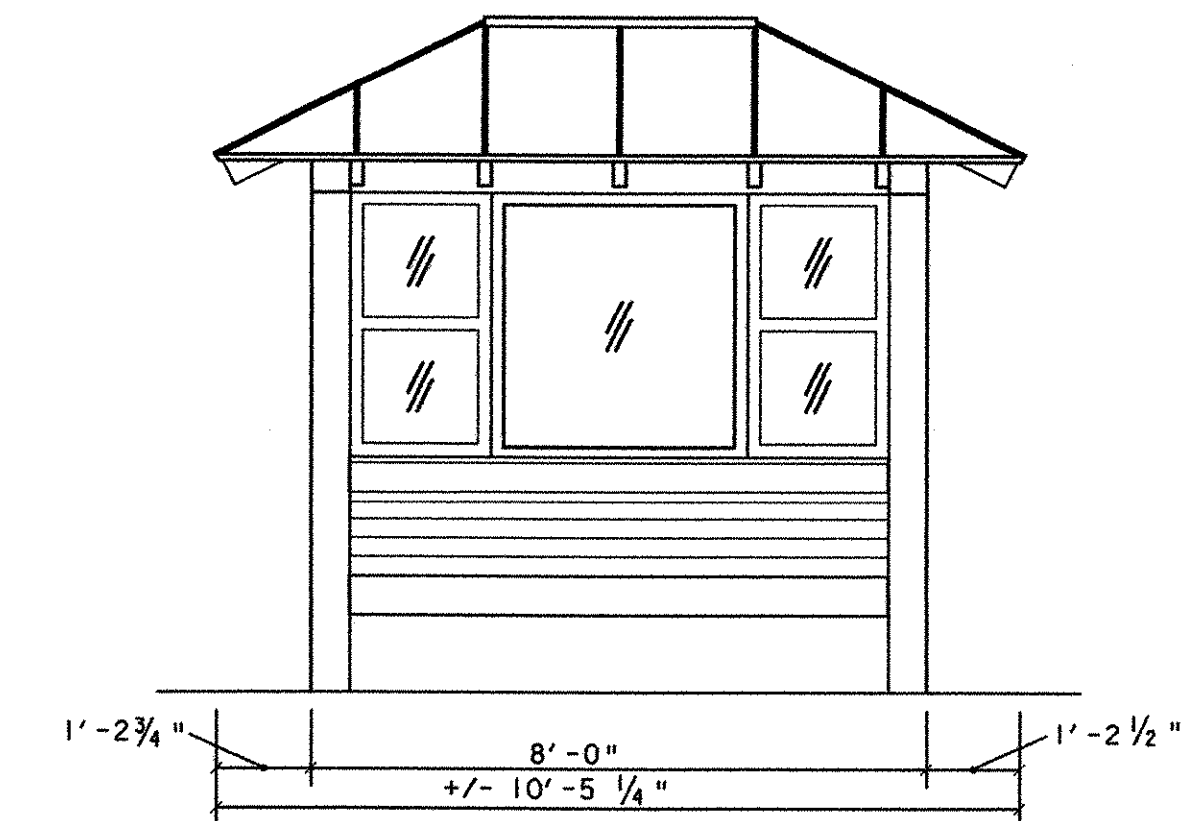
3 FRONT/INTERIOR ELEVATION
 A-1 SCALE: 1/2" = 1'-0"



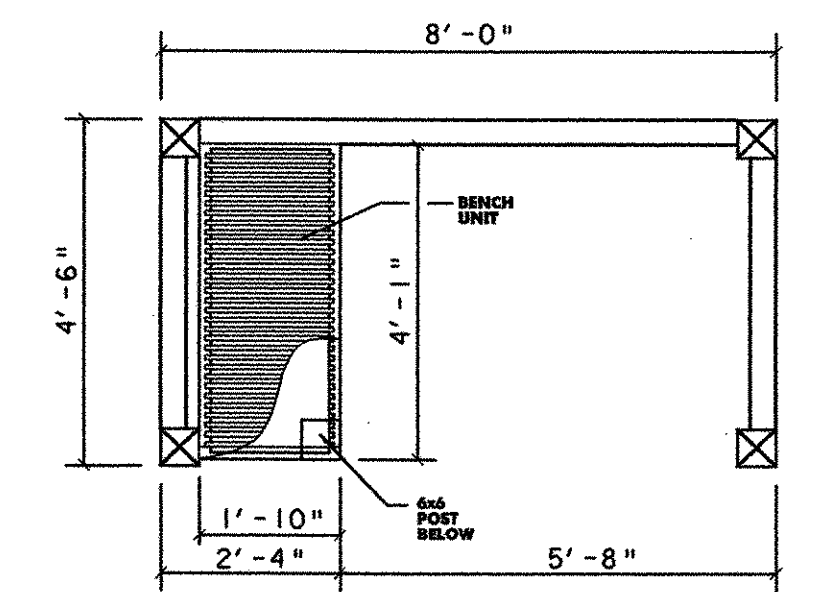
7 FRONT/REAR FRAMING - ELEVATION
 A-1 SCALE: 1/2" = 1'-0"



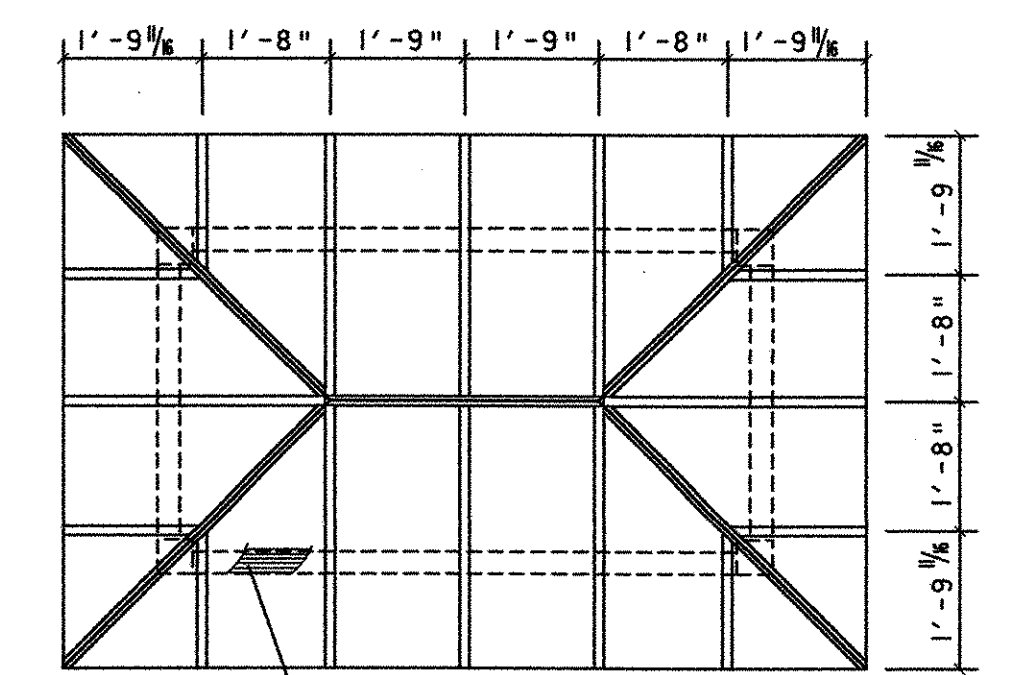
9 FRONT/REAR FRAMING - SECTION
 A-1 SCALE: 1/2" = 1'-0"



4 REAR ELEVATION
 A-1 SCALE: 1/2" = 1'-0"



1 PLAN VIEW
 A-1 SCALE: 1/2" = 1'-0"

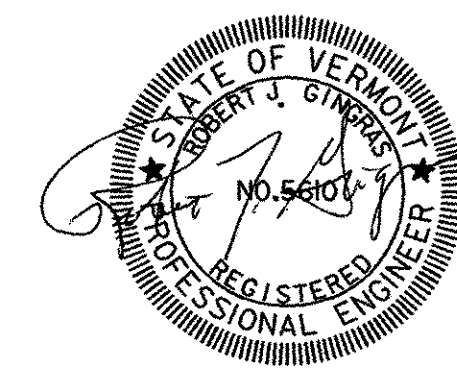


ROOF DECKING TO BE NOMINAL 2x6 V-GROOVE, T&G ROOF DECK.

5 ROOF FRAMING
 A-1 SCALE: 1/2" = 1'-0"

- NOTES
1. JACK AND COMMON RAFTERS ARE 2x6.
 2. HIP RAFTERS ARE 2x7
 3. RIDGE BEAM IS 2x8

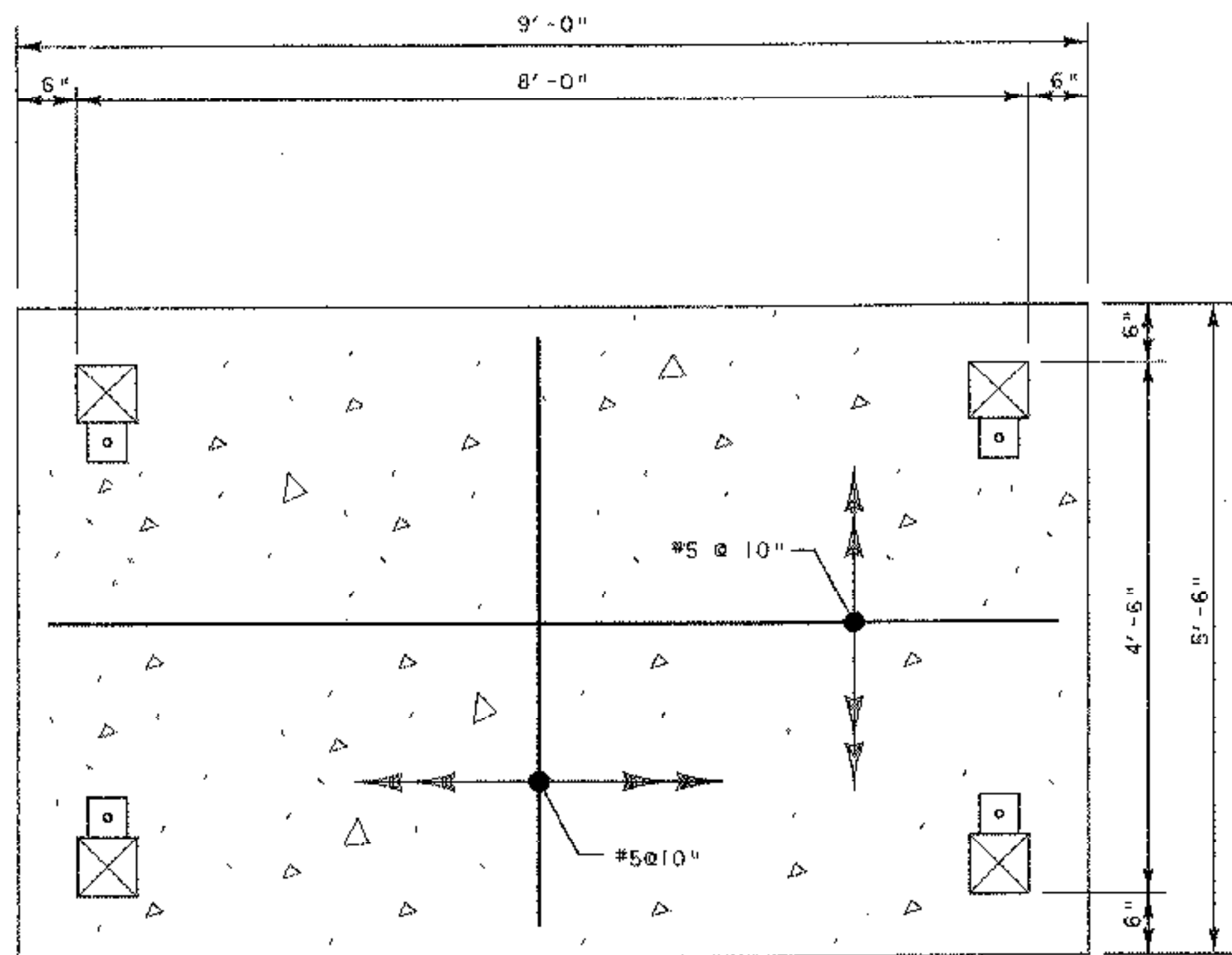
NOTES:
 DESIGN PROVIDED BY PERMISSION OF THE CHITTENDEN COUNTY TRANSPORTATION AUTHORITY. COORDINATED BY JUDITH HARRIS IN COOPERATION WITH LIBERTY POST & BEAM. STEPHEN SELIN, ARCHITECT, CONTRIBUTED TO THE CONCEPTUAL DESIGN OF THE PASSENGER BUS SHELTER.



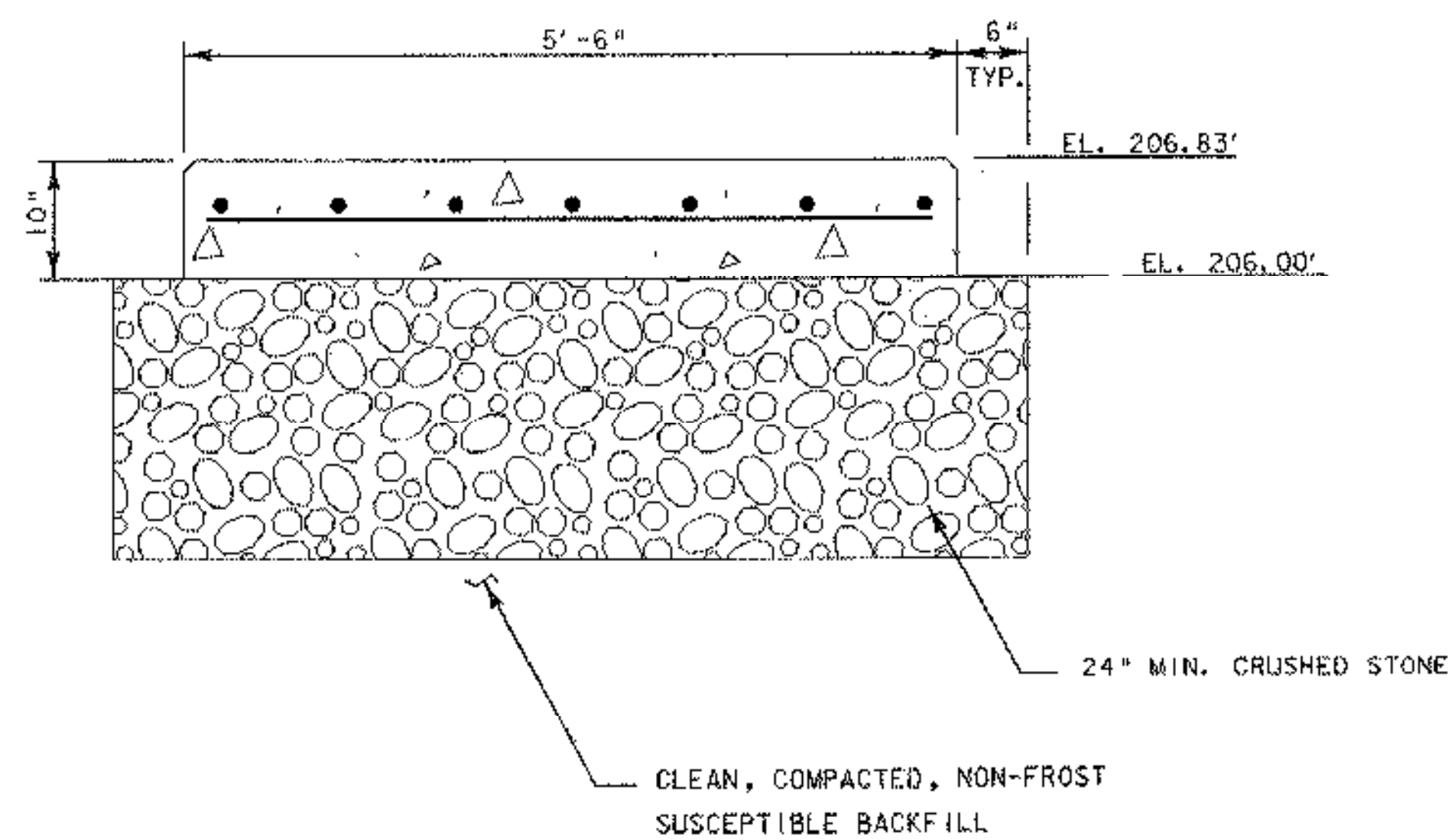
SCALE 1" = 30'-0"
 30 0 30

	PROJECT NAME: COLCHESER PARK-AND-RIDE
	PROJECT NUMBER: CMG PARK(18)S
	FILE NAME: ...37 BUS STOP DETAILS.p+f
	DESIGNED BY: EVI
PROJECT LEADER: WLD	PLOT DATE: 07/08/02
DRAWN BY: EVI	CHECKED BY: CSP
RIDER SHELTER DETAILS	SHEET 37 OF 56

...37 BUS STOP DETAILS.DAT 07/08/02 03:35:41 PM



PLAN

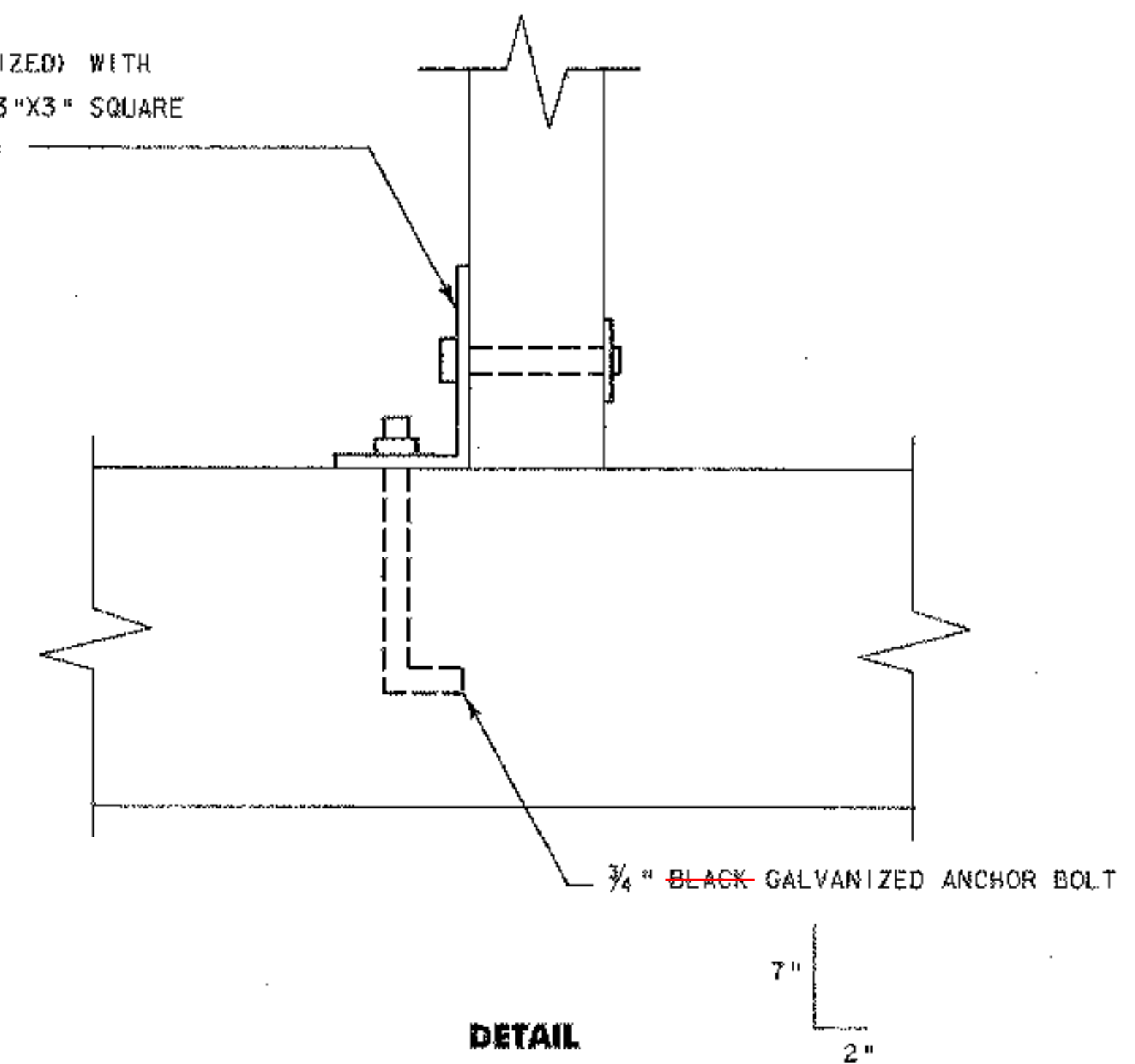


SECTION

NOTES

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT AGENCY OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, ITS LATEST REVISIONS AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1996 ed. WITH LATEST INTERIMS.
2. REINFORCING PLACEMENT TOLERANCES SHALL BE:
 SPACING +/- 1"
 CLEARANCE +/- 1/4"
3. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" BY 3/4"
4. WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE.
5. PAYMENT OF ITEMS AND LABOR SHOWN ON THIS SHEET SHALL BE INCLUDED UNDER ROADSIDE REST FACILITIES. (ITEM 658.10, LUMP SUM)

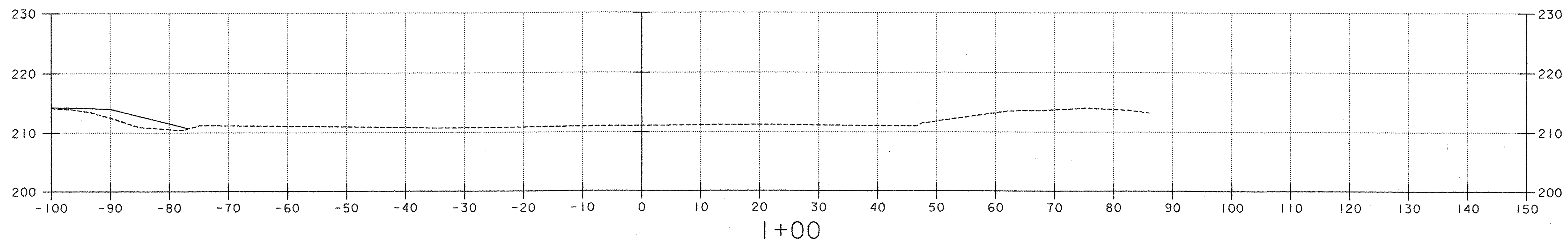
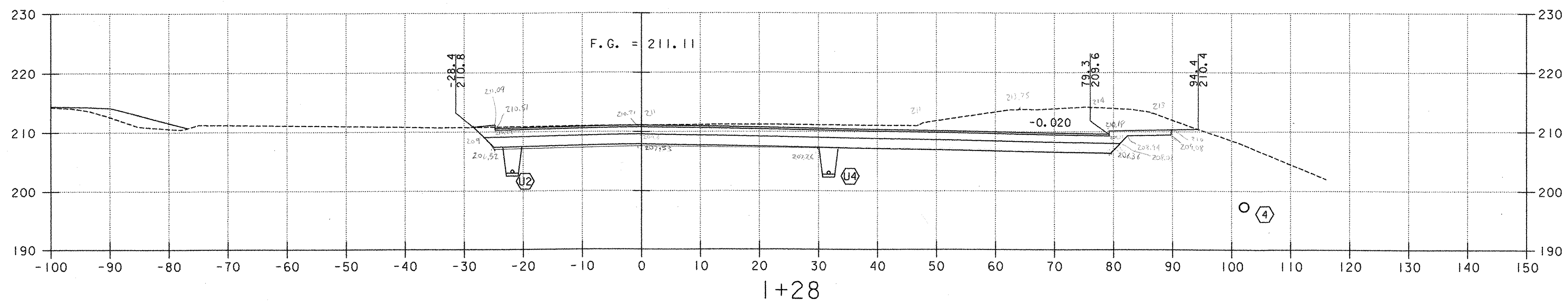
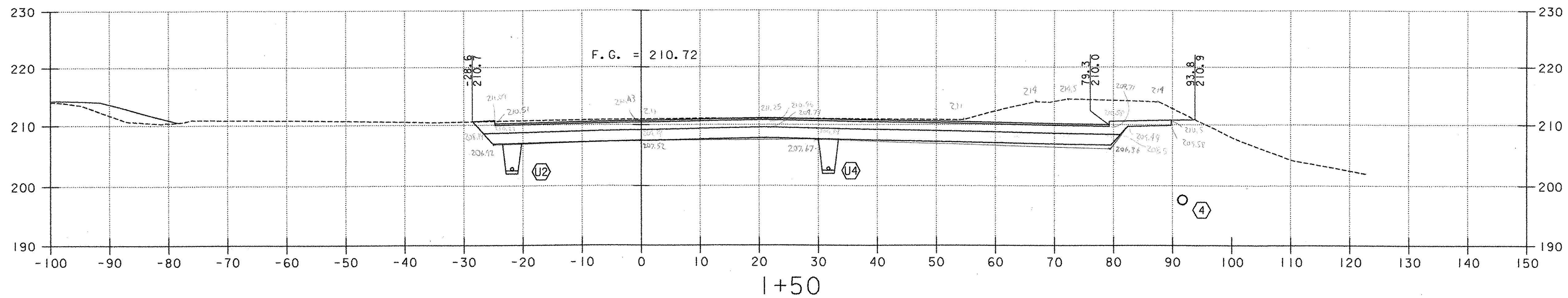
L6x4x3/8"x4" LONG (BLACK GALVANIZED) WITH
 (1) 3/4" BLACK GALVANIZED BOLT, 3"x3" SQUARE
 WASHER & NUT (BLACK GALVANIZED)



DETAIL



	PROJECT NAME: COLCHESTER PARK-AND-RIDE	PLOT DATE: 07/08/02
	PROJECT NUMBER: CMG PARK(18)S	DRAWN BY: MED
	FILE NAME: zk062-fr.m.dgn	CHECKED BY: RJG
	PROJECT LEADER: WLD	SHEET 38 OF 56
STRUCTURAL DETAILS		

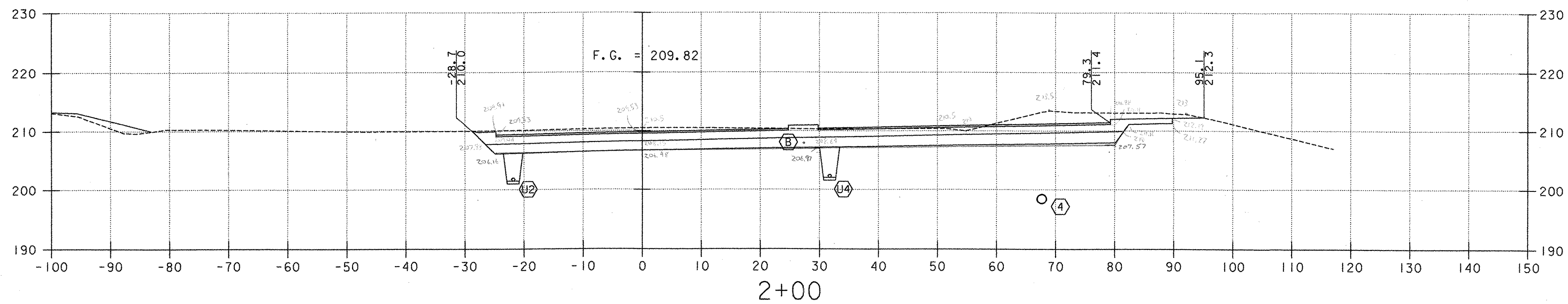
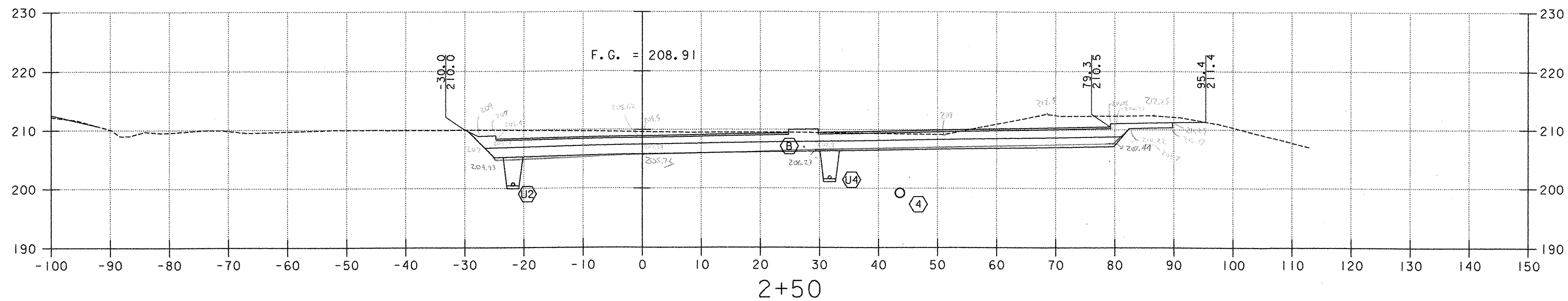


- LEGEND**
- U4 PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - 3 PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - A PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS



DH Dufresne-Henry	PROJECT NAME: COLCHESTER PARK-AND-RIDE	PLOT DATE: 07/08/02
	PROJECT NUMBER: CMG PARK(18)	DRAWN BY: MAM
	FILE NAME: zk062xsl.dgn	CHECKED BY: GAE
	PROJECT LEADER: CSP	SHEET 39 OF 56
	DESIGNED BY: DH	
PARK-AND-RIDE CROSS SECTION		

3:35 PM X 8/8/02 12:12:06 PM

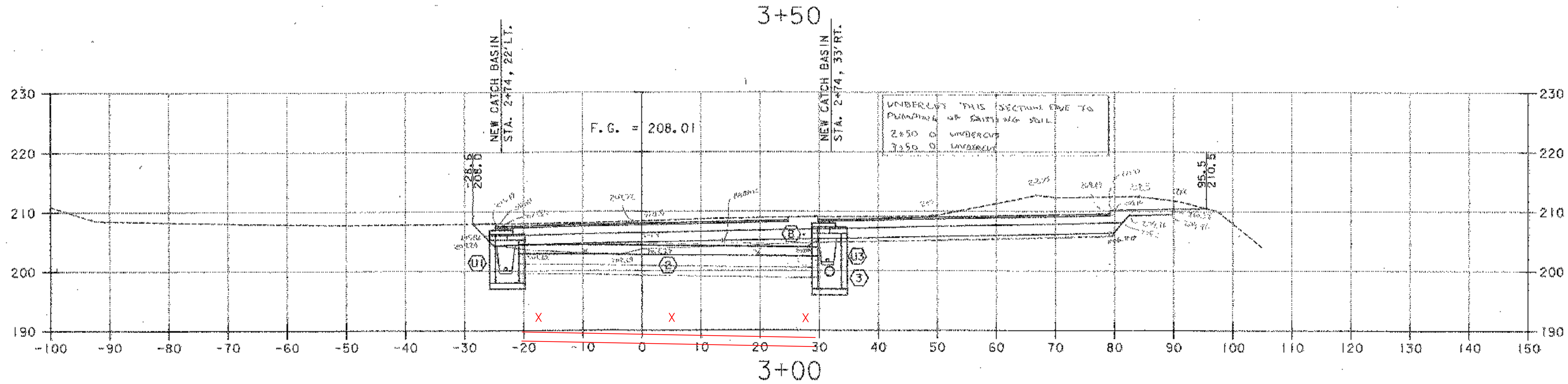
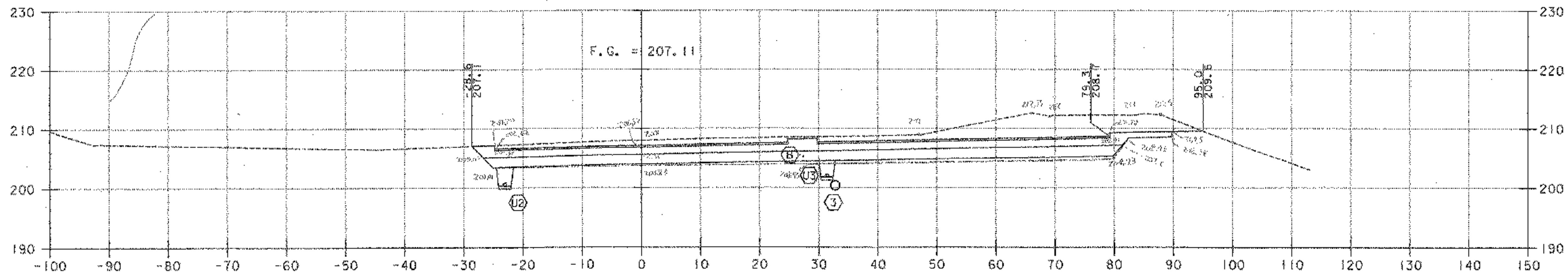


- LEGEND**
- (U4) PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - (3) PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - (A) PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS

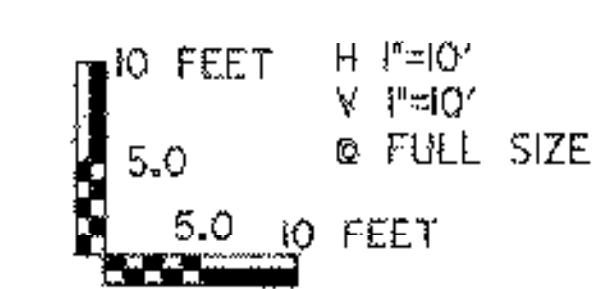
10 FEET H 1"=10'
 5.0 V 1"=10'
 5.0 @ FULL SIZE
 10 FEET



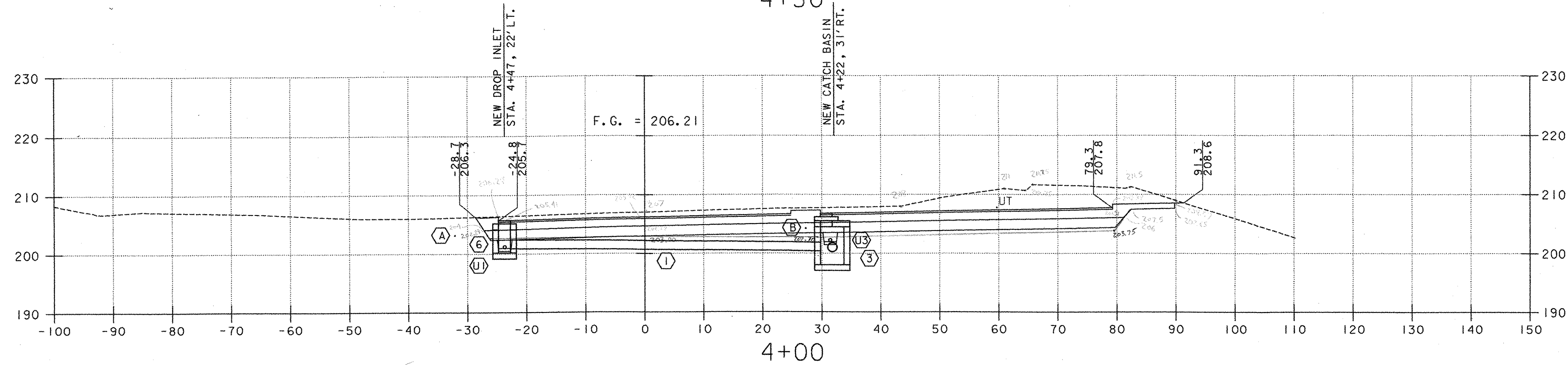
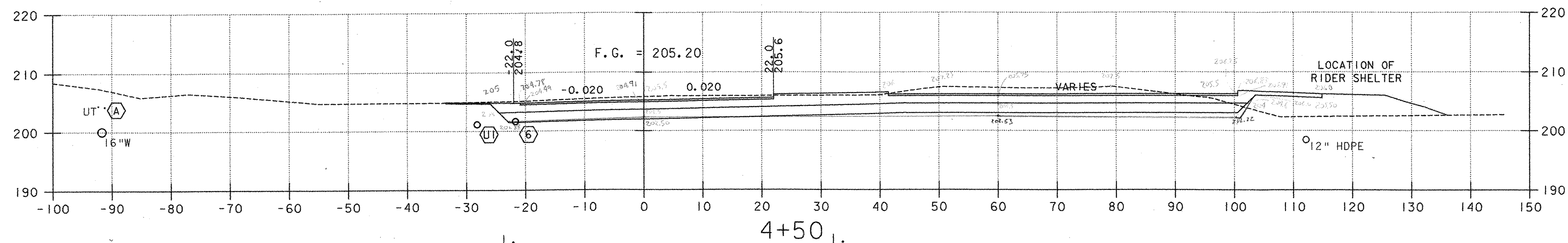
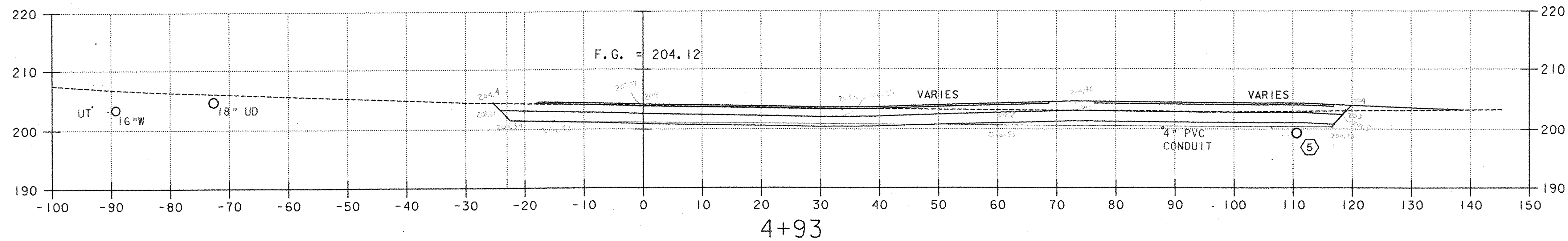
PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn PLOT DATE: 07/08/02
 PROJECT LEADER: CSP DRAWN BY: MAM
 DESIGNED BY: DH CHECKED BY: GAE
PARK-AND-RIDE CROSS SECTION SHEET 40 OF 56



- LEGEND**
- U4 PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - 3 PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - A PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS

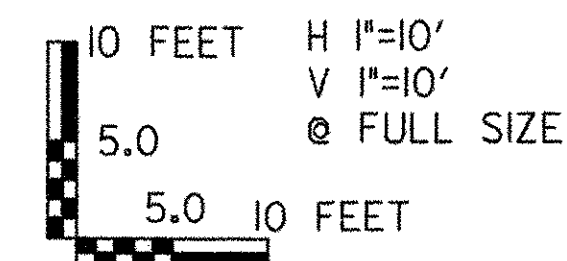


PROJECT NAME: COLCHESTER PARK-AND-RIDE	PLOT DATE: 07/08/02
PROJECT NUMBER: CMG PARK(18)S	DRAWN BY: MAM
FILE NAME: zk062xsl.dgn	CHECKED BY: GAE
PROJECT LEADER: CSP	SHEET 41 OF 56
DESIGNED BY: DH	
PARK-AND-RIDE CROSS SECTION	



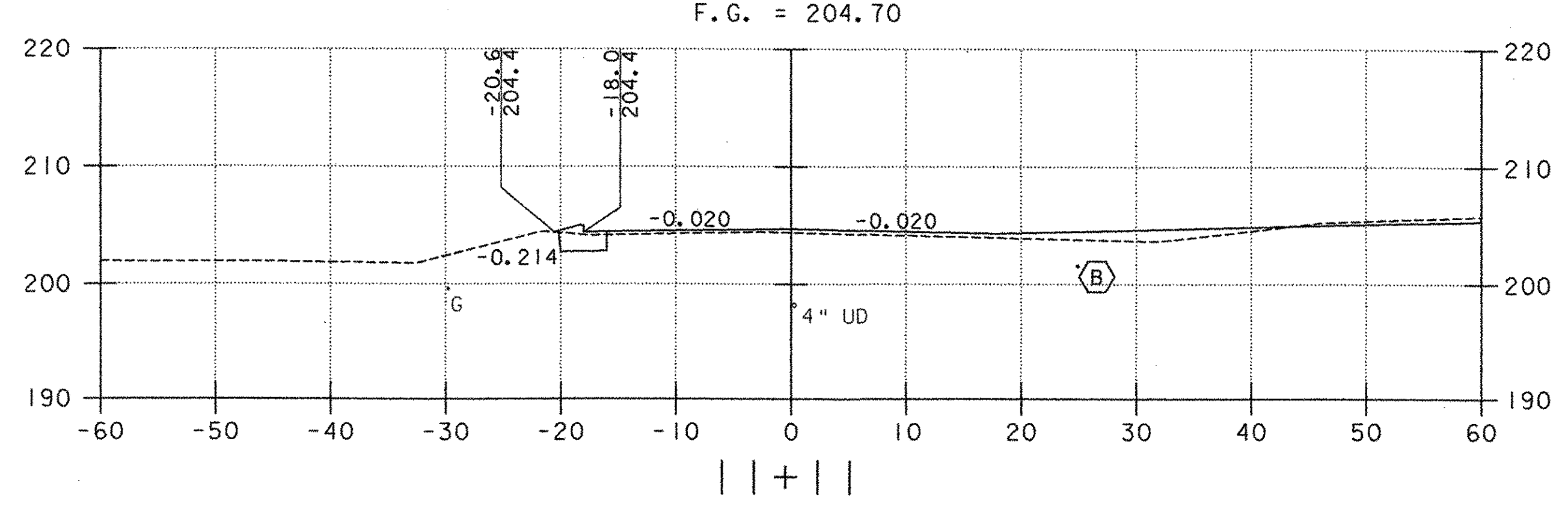
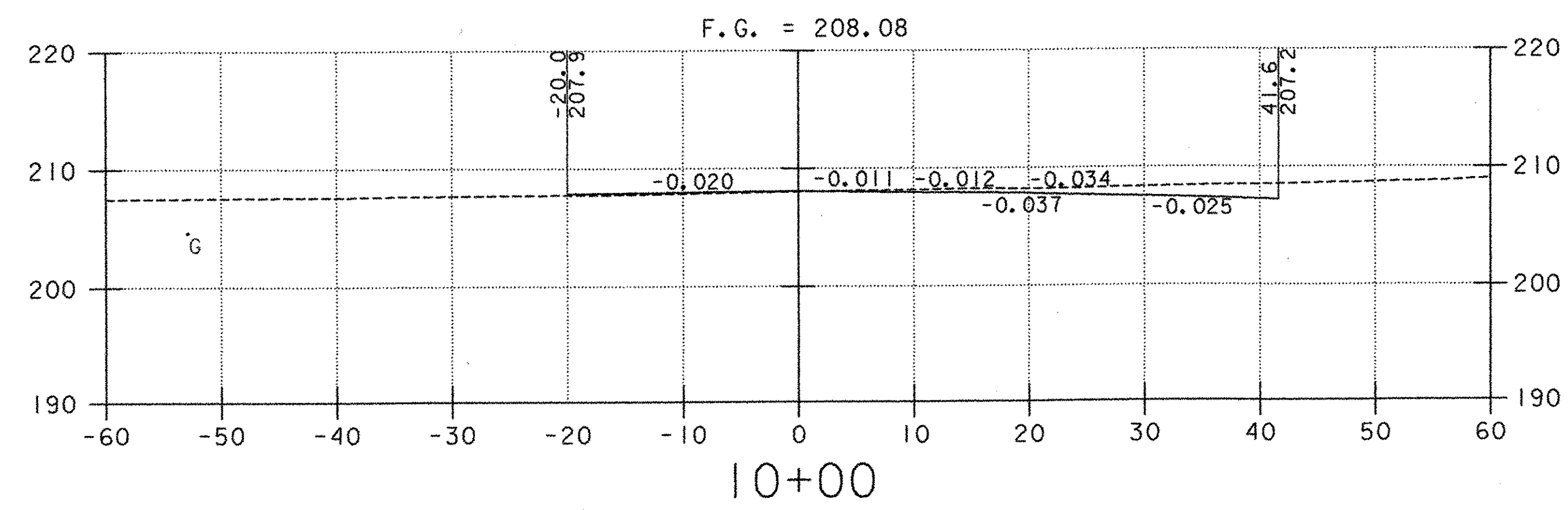
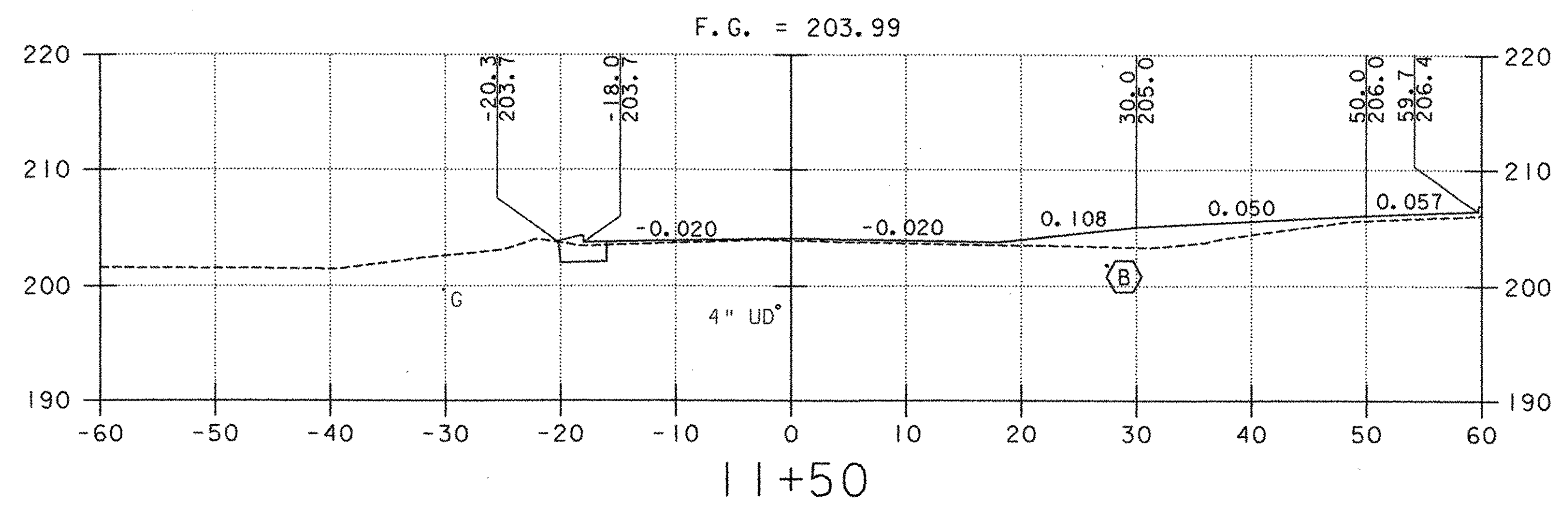
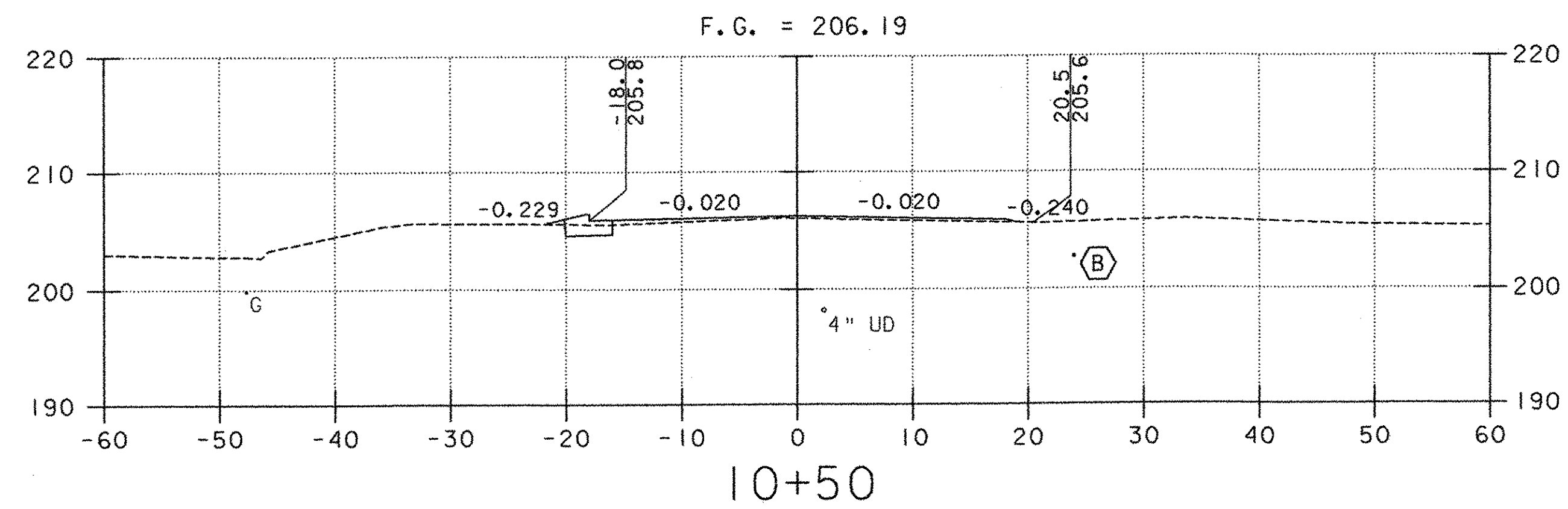
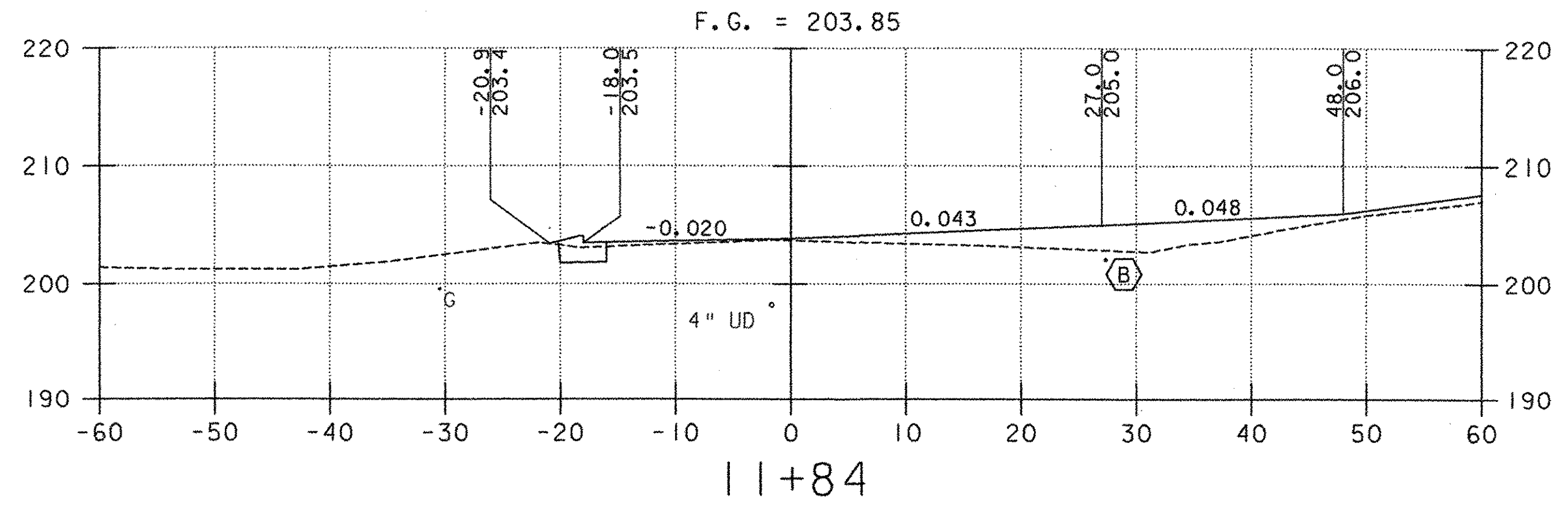
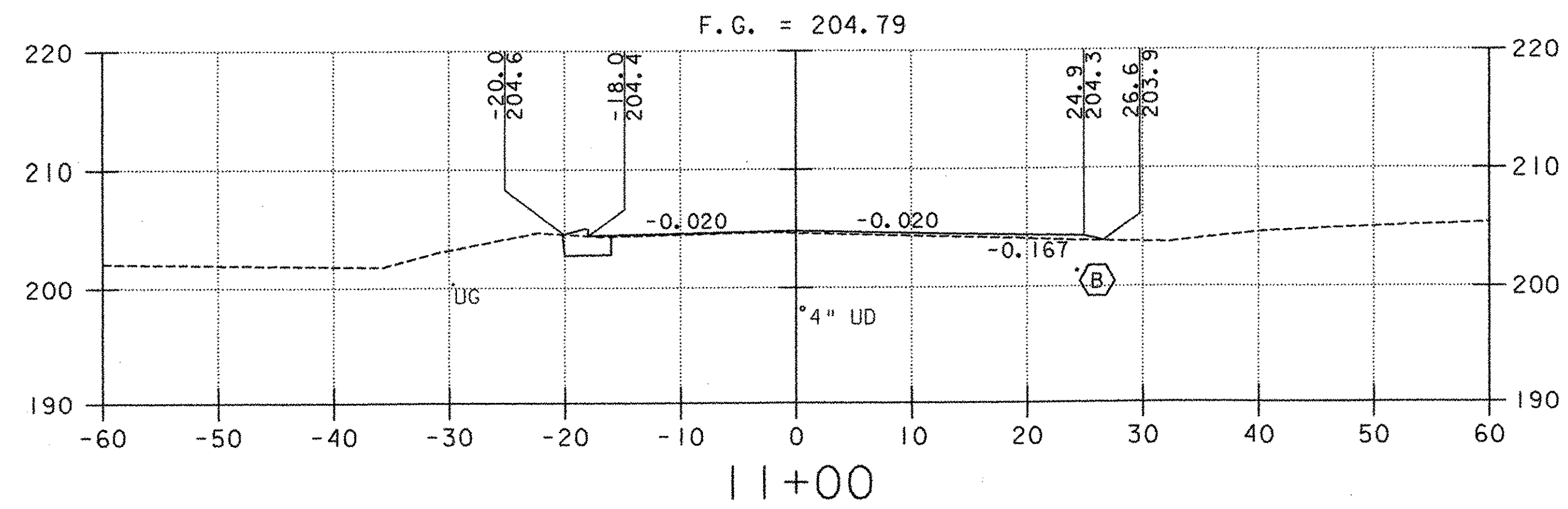
LEGEND

- (U4) PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
- (3) PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
- (A) PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
- UT EXISTING UNDERGROUND TELEPHONE
- W EXISTING WATER
- UD EXISTING UNDERDRAIN
- G EXISTING GAS

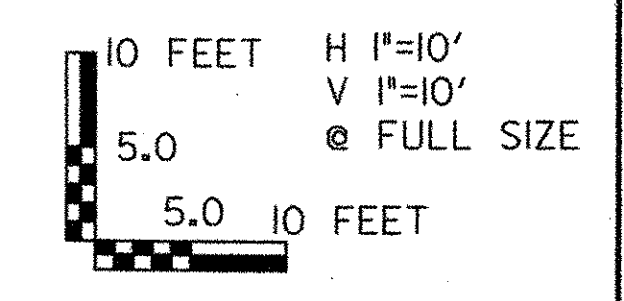


PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn
 PROJECT LEADER: CSP
 DESIGNED BY: DH
 PLOT DATE: 07/08/02
 DRAWN BY: MAM
 CHECKED BY: GAE
PARK-AND-RIDE CROSS SECTION
 SHEET 42 OF 56

13:56 X SECTIONS.PLT 07/08/02 12:12:19 PM

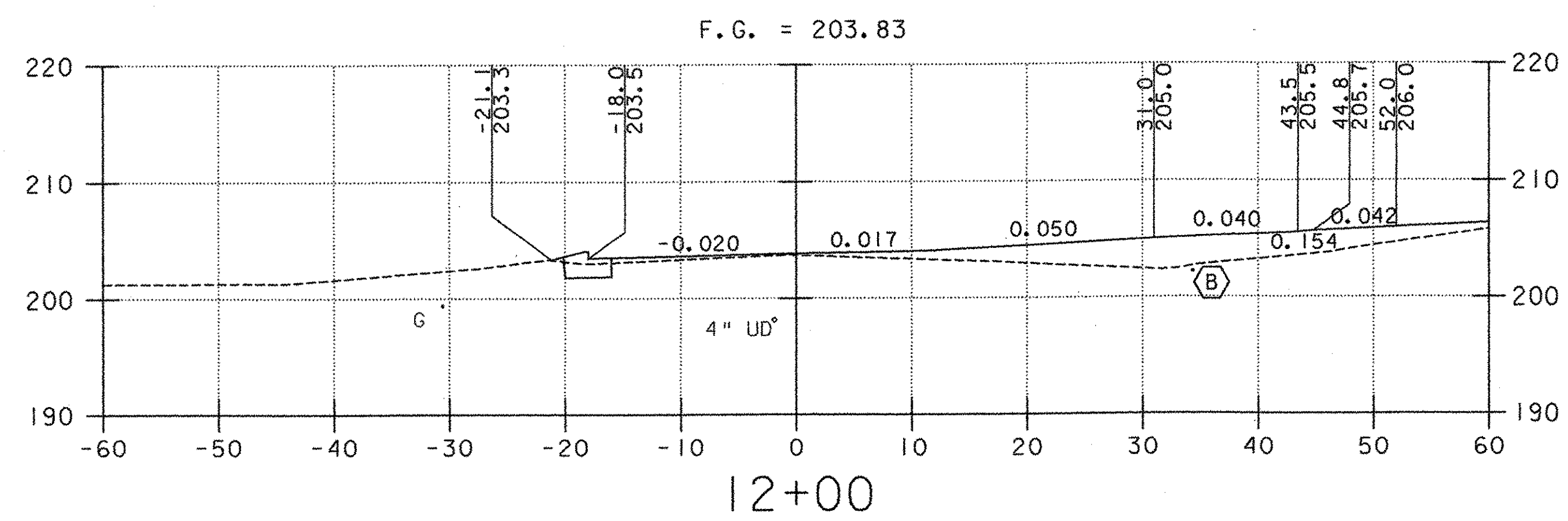
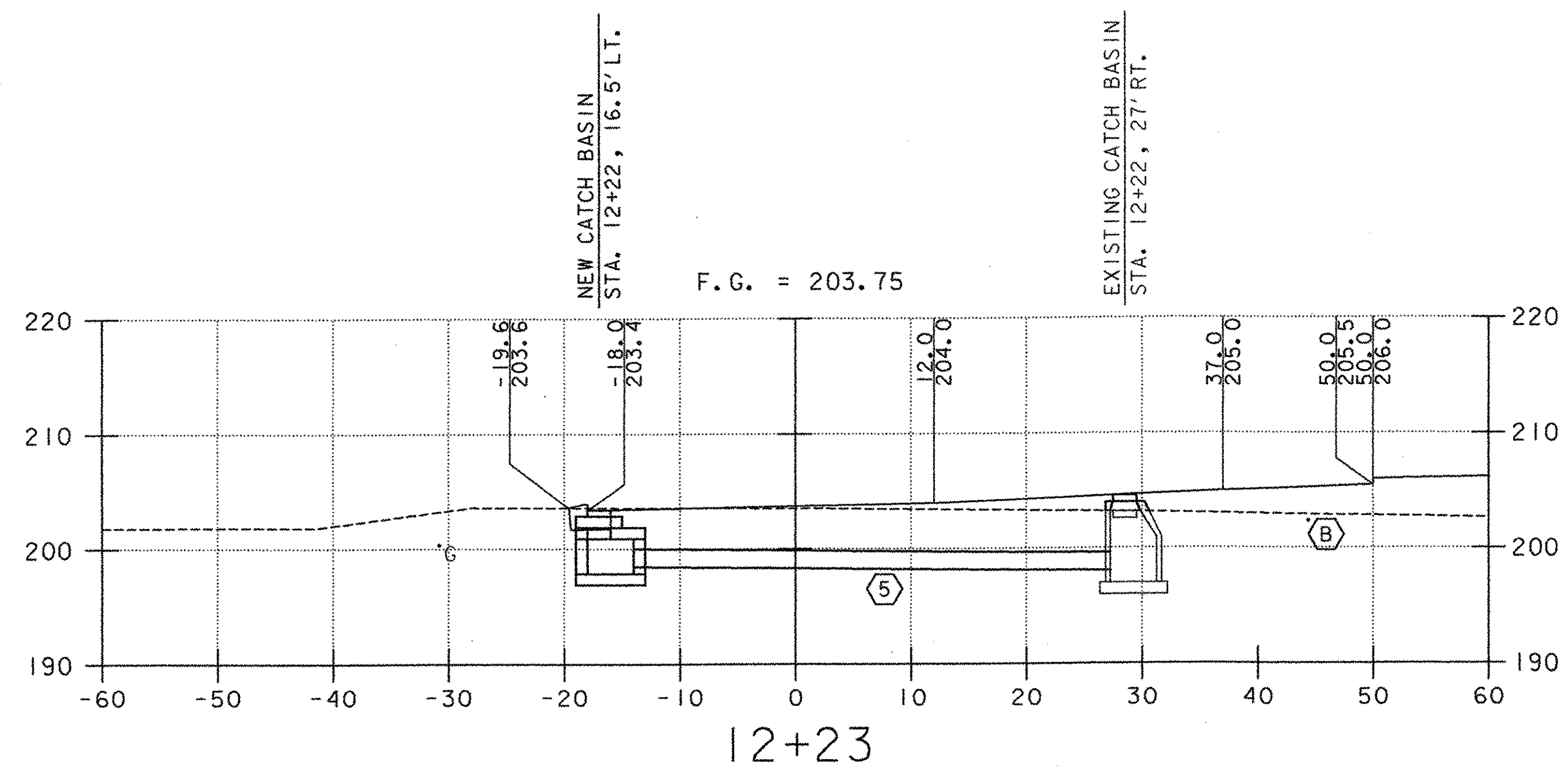


- LEGEND**
- (B) PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - (3) PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - (A) PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS



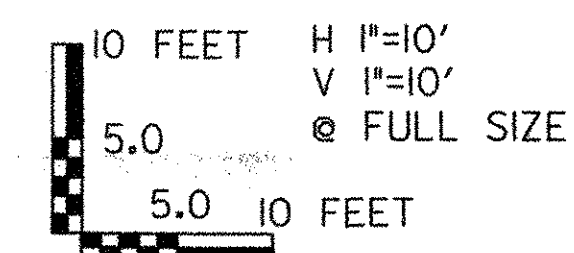
PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn
 PROJECT LEADER: CSP
 DESIGNED BY: DH
 PLOT DATE: 07/08/02
 DRAWN BY: MAM
 CHECKED BY: GAE
 ACCESS ROAD CROSS SECTIONS
 SHEET 43 OF 56

... 139-56 X SECTION.DWG 07/08/02 12:33 PM



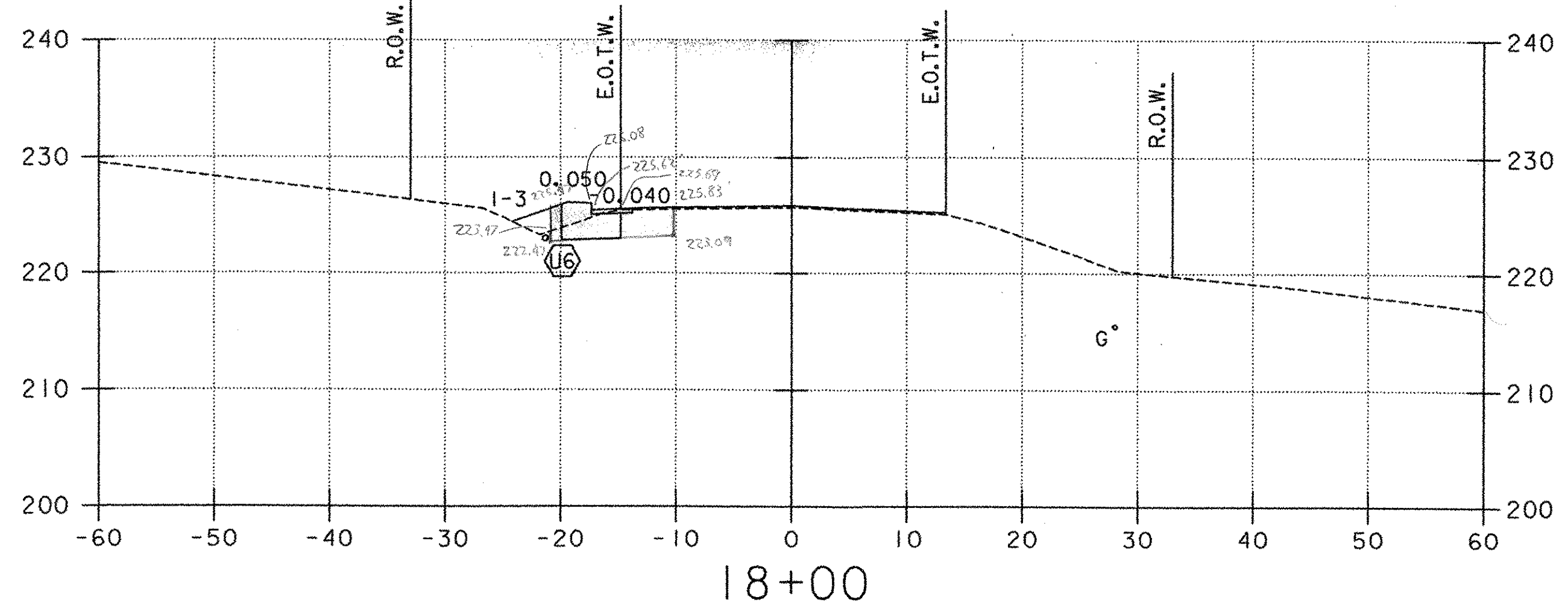
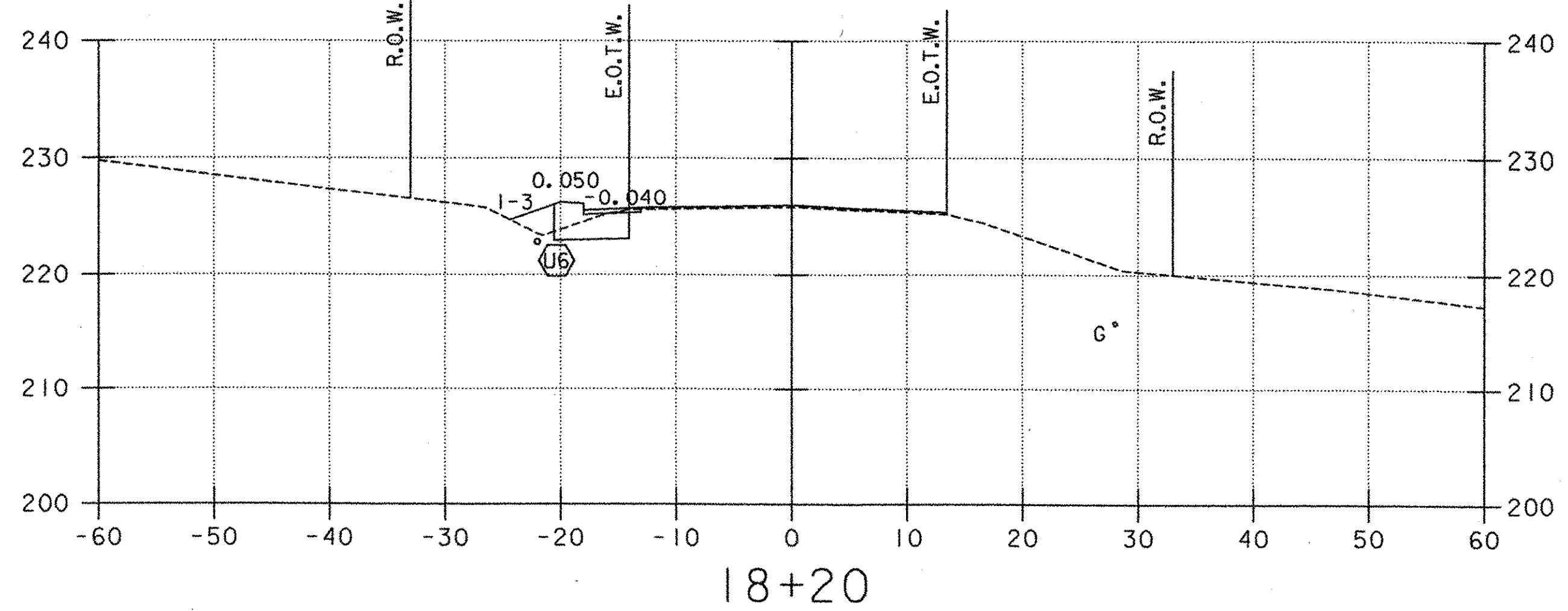
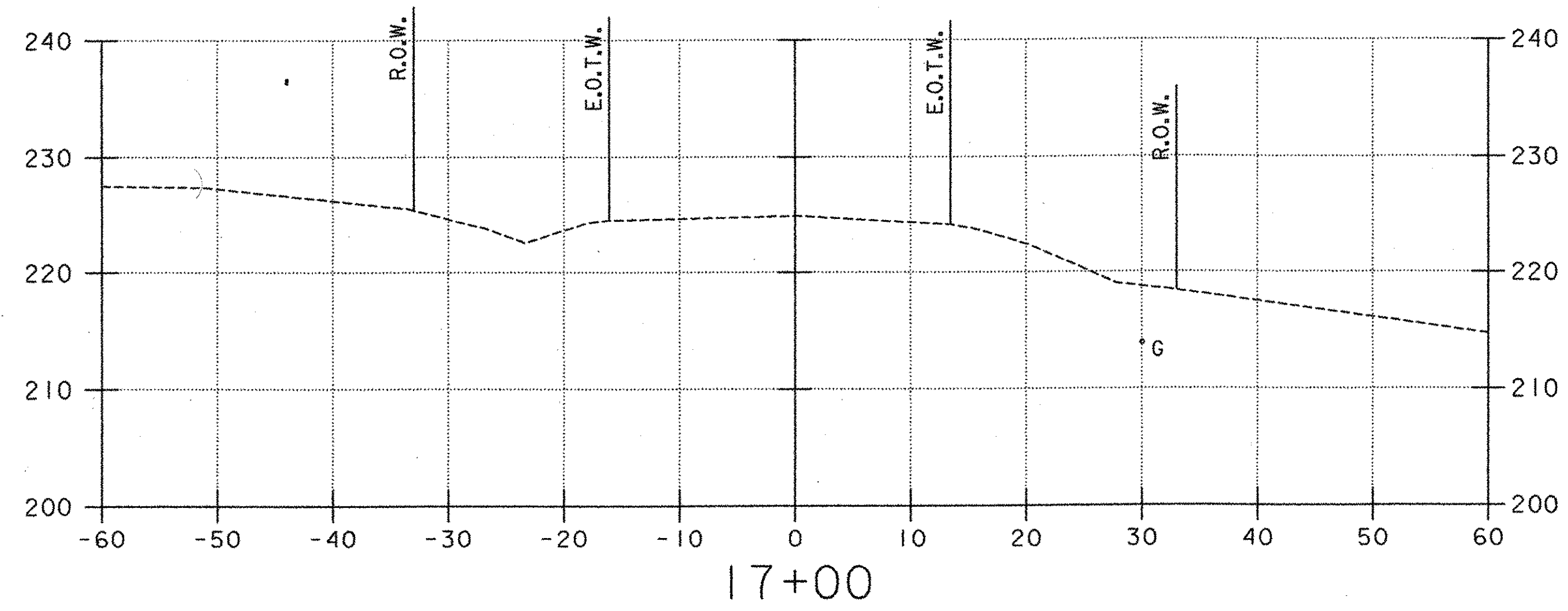
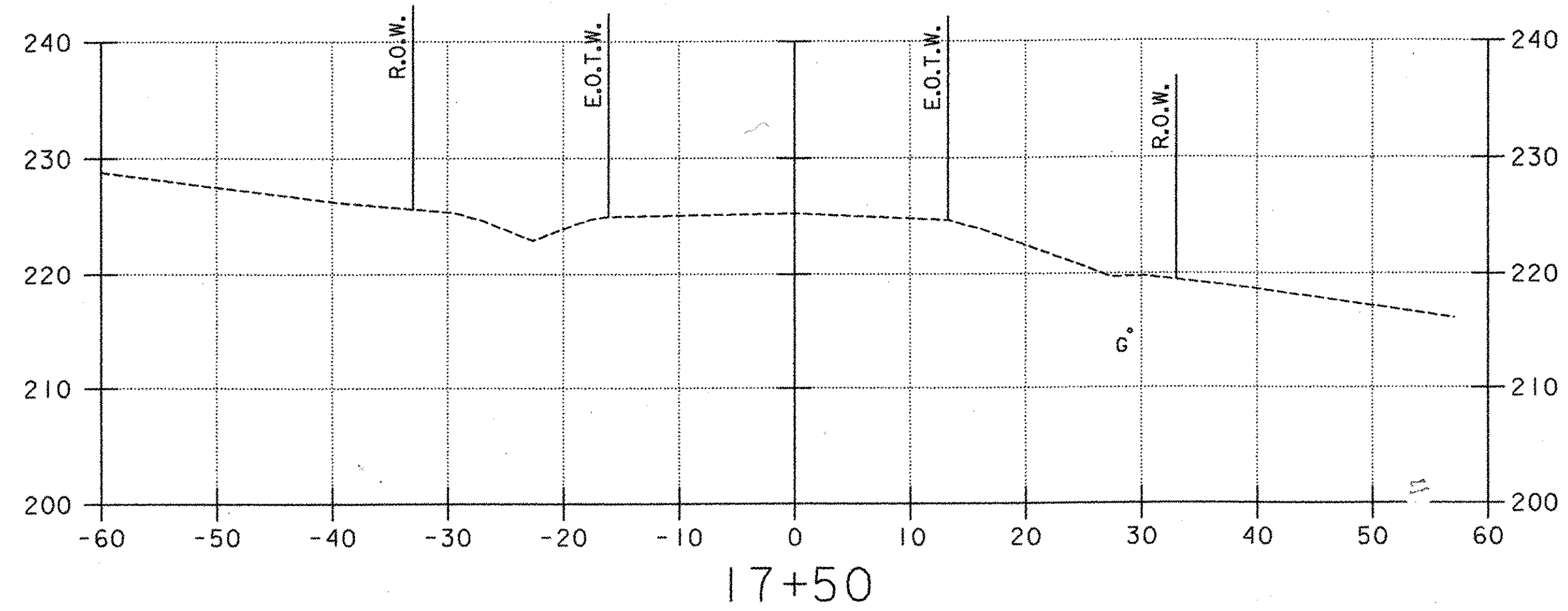
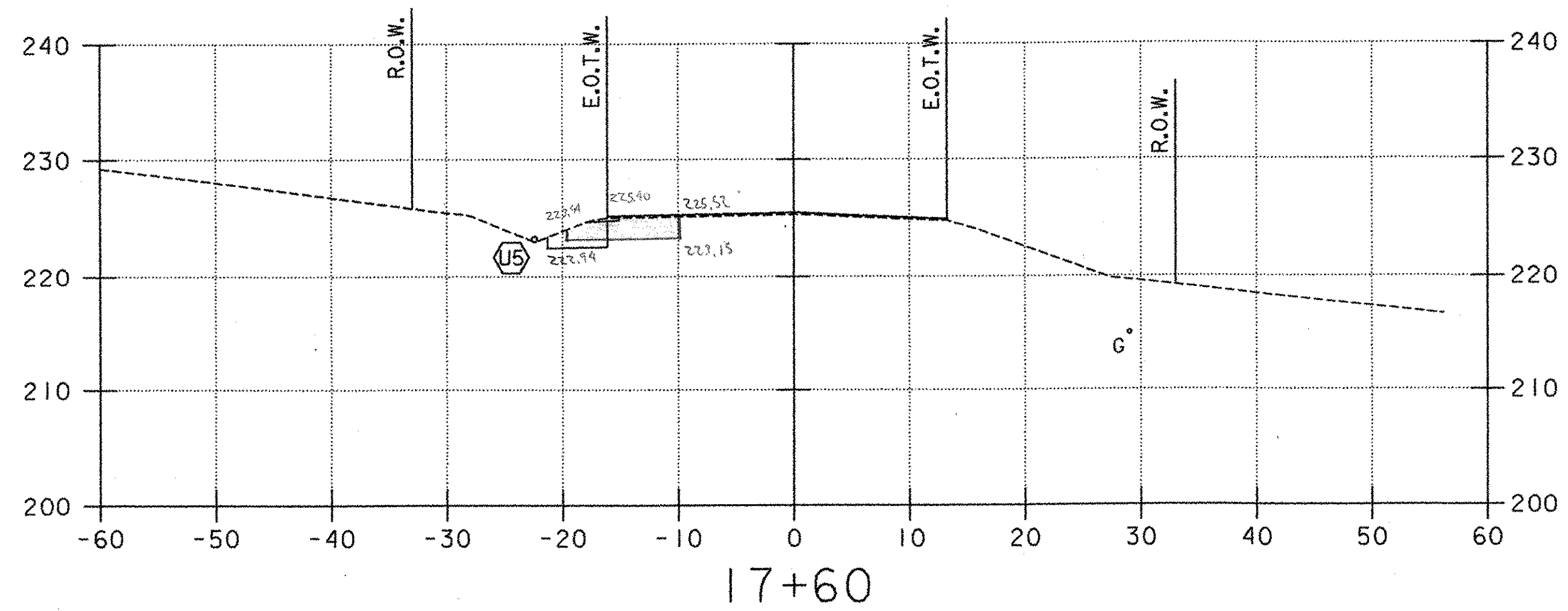
LEGEND

- PROPOSED UNDERDRAIN
(SEE DRAINAGE PLAN, SHEET 20)
- PROPOSED STORMWATER PIPE
(SEE DRAINAGE PLAN, SHEET 20)
- PROPOSED CONDUIT FOR LIGHTING
(SEE LIGHTING PLAN, SHEET 31)
- UT EXISTING UNDERGROUND TELEPHONE
- W EXISTING WATER
- UD EXISTING UNDERDRAIN
- G EXISTING GAS



PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn
 PROJECT LEADER: CSP
 DESIGNED BY: DH
 PLOT DATE: 07/08/02
 DRAWN BY: MAM
 CHECKED BY: GAE
 SHEET 44 OF 56

ACCESS ROAD CROSS SECTIONS

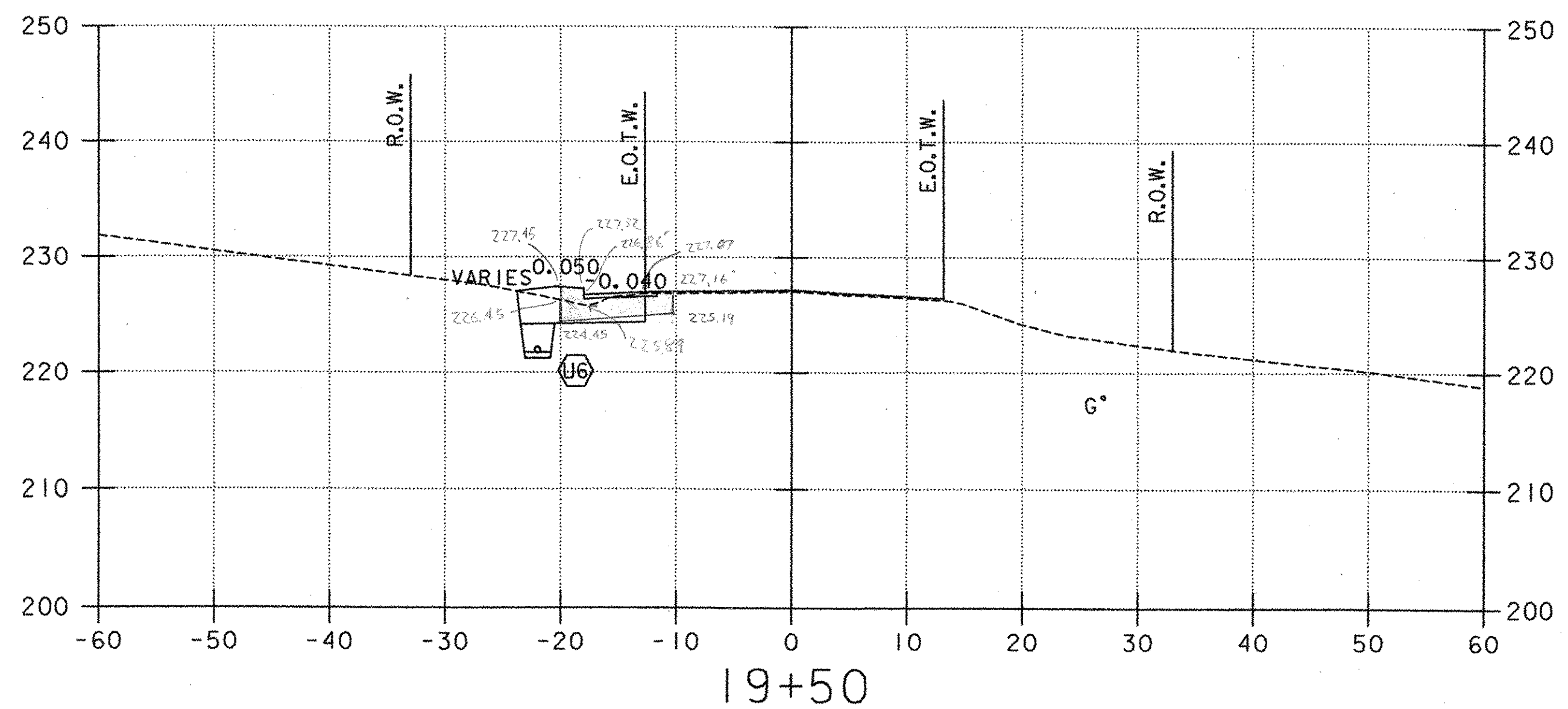
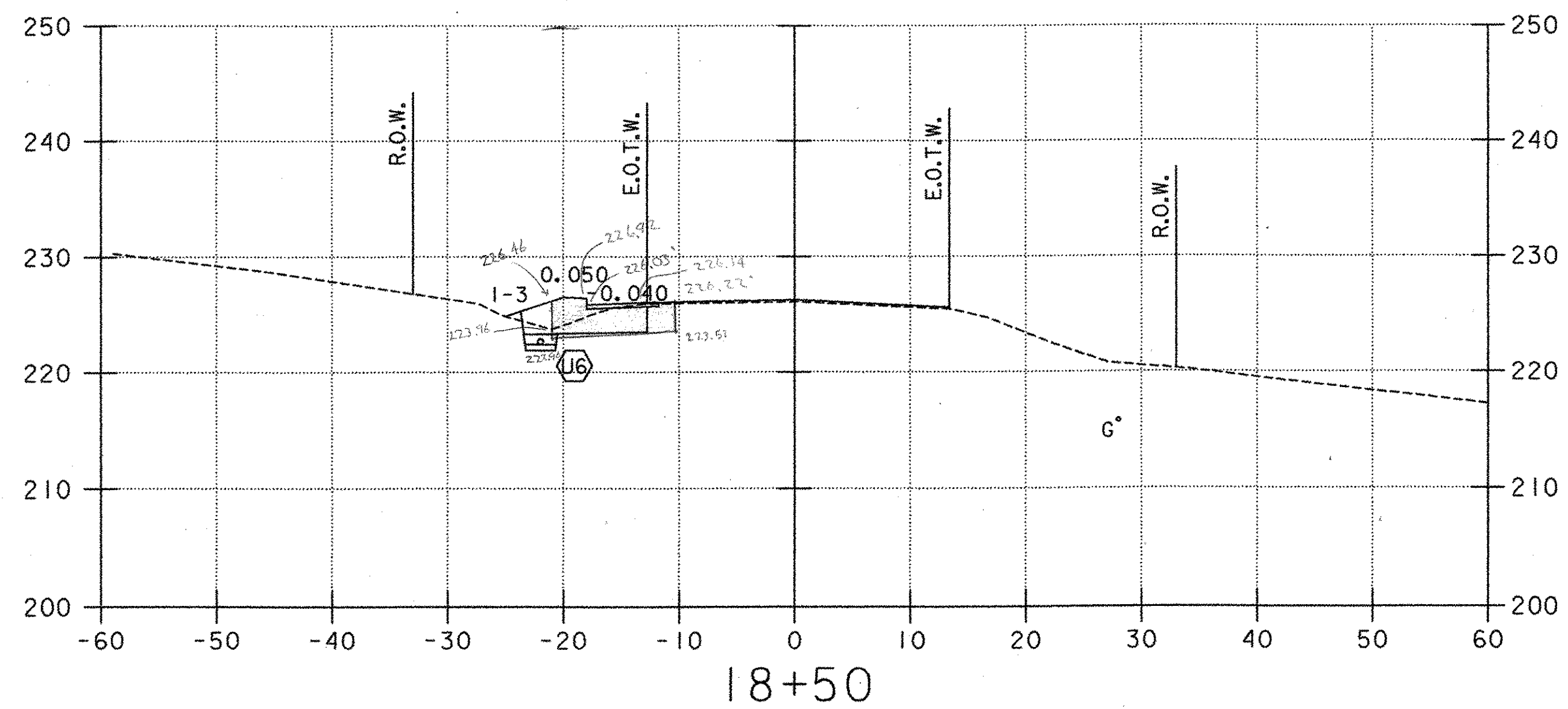
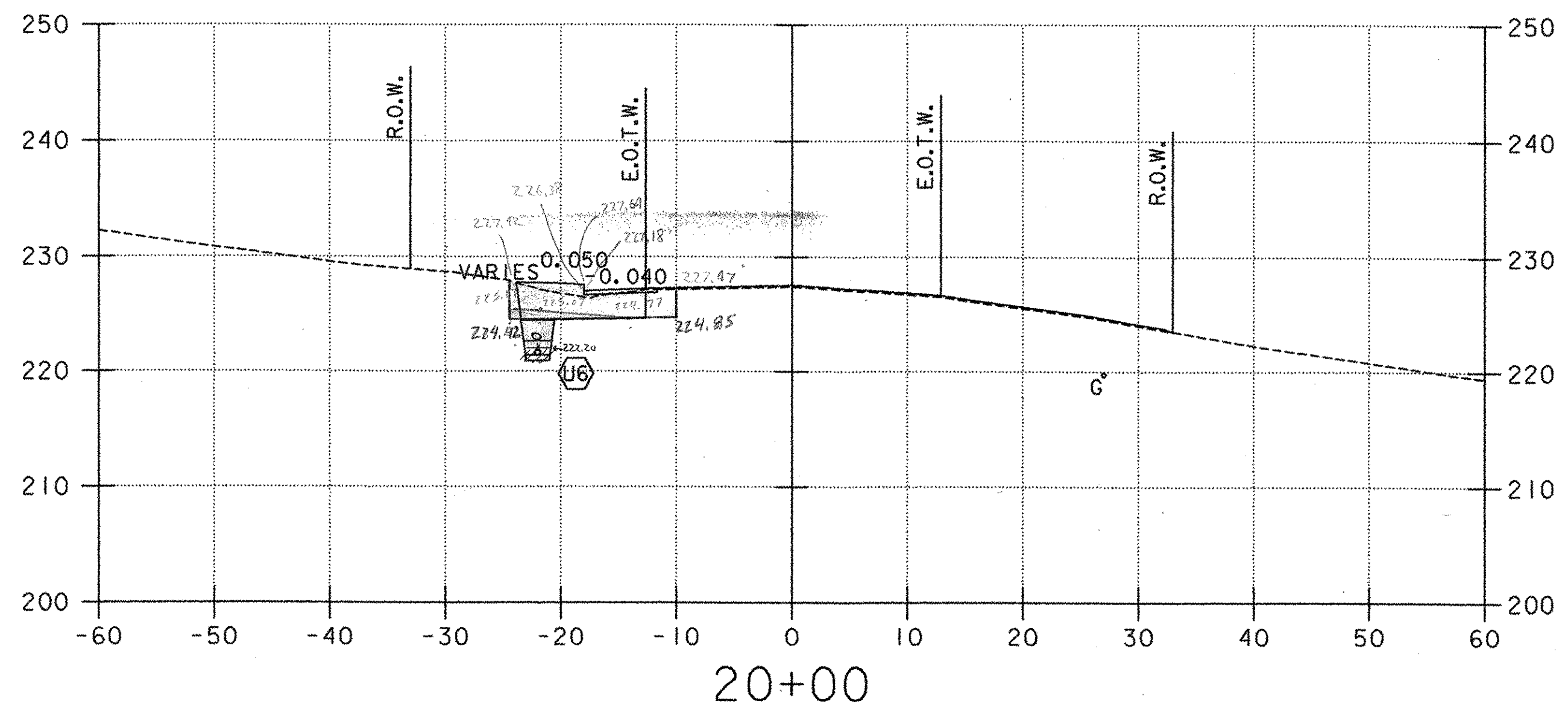
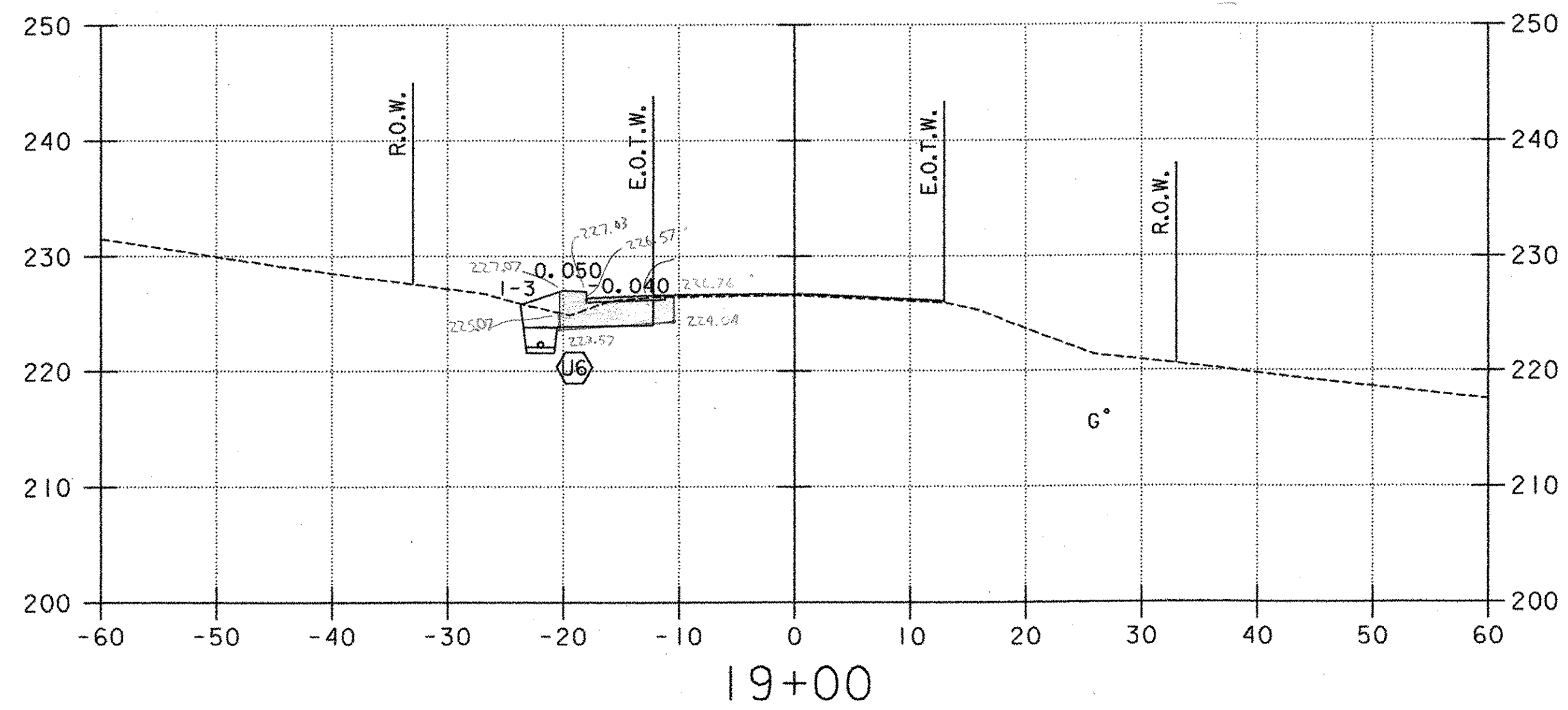


- LEGEND**
- (UD) PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - (3) PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - (A) PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS

10 FEET H 1"=10'
 5.0 V 1"=10'
 5.0 @ FULL SIZE
 5.0 10 FEET



PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn PLOT DATE: 07/08/02
 PROJECT LEADER: CSP DRAWN BY: GGG
 DESIGNED BY: DH CHECKED BY: GAE
U.S. ROUTE 7 - CROSS SECTION SHEET 45 OF 56



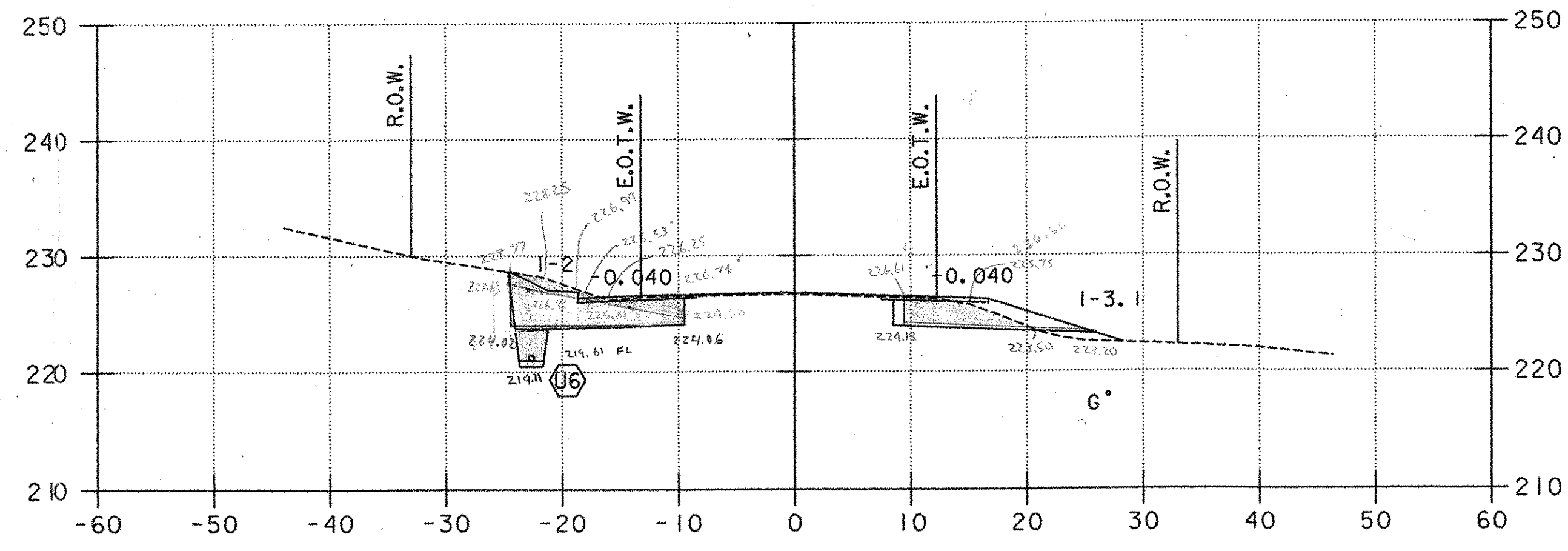
- LEGEND**
- U6 PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - 3 PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - A PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS

10 FEET H 1"=10'
 5.0 V 1"=10'
 5.0 @ FULL SIZE
 5.0 10 FEET

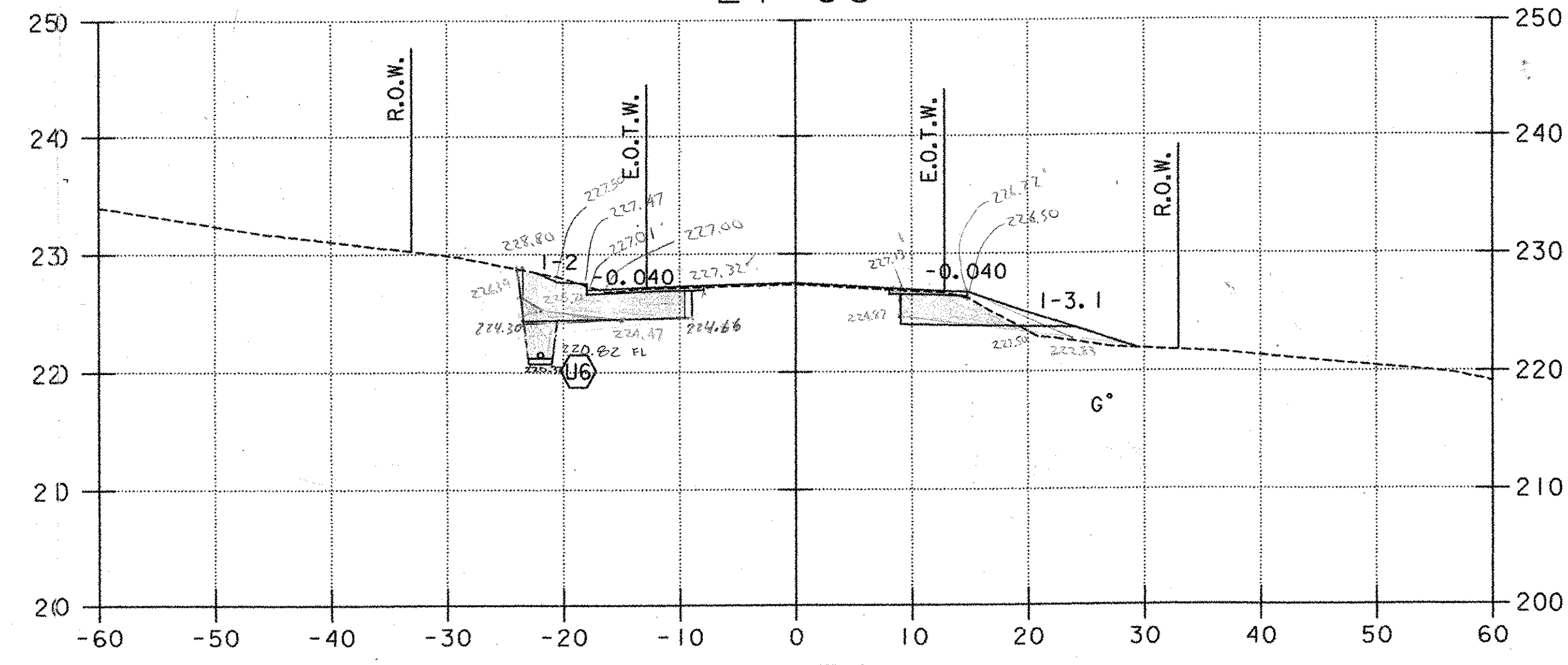


PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn PLOT DATE: 07/08/02
 PROJECT LEADER: CSP DRAWN BY: GGG
 DESIGNED BY: DH CHECKED BY: GAE
U.S. ROUTE 7 - CROSS SECTION SHEET 46 OF 56

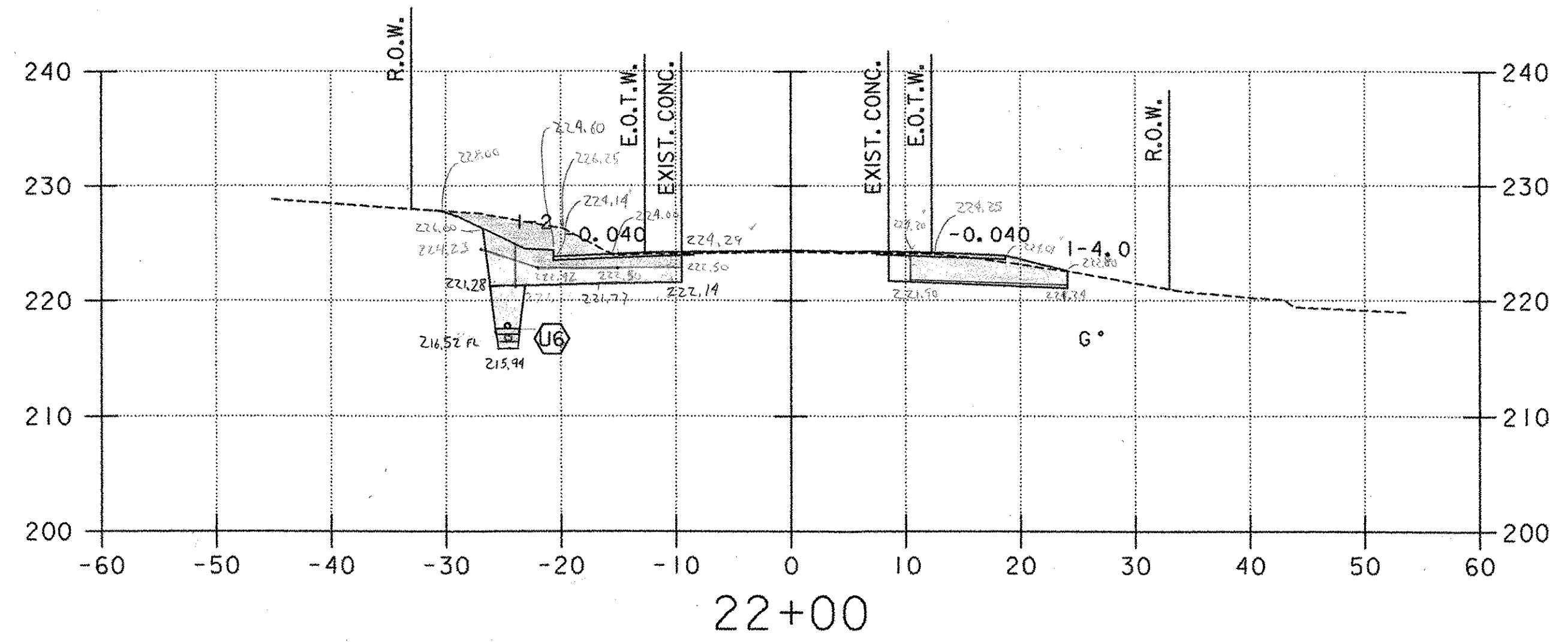
**U.S. ROUTE 7
STA. 20+67
END APPROACH
BEGIN PROJECT CMG PARK(18)S**



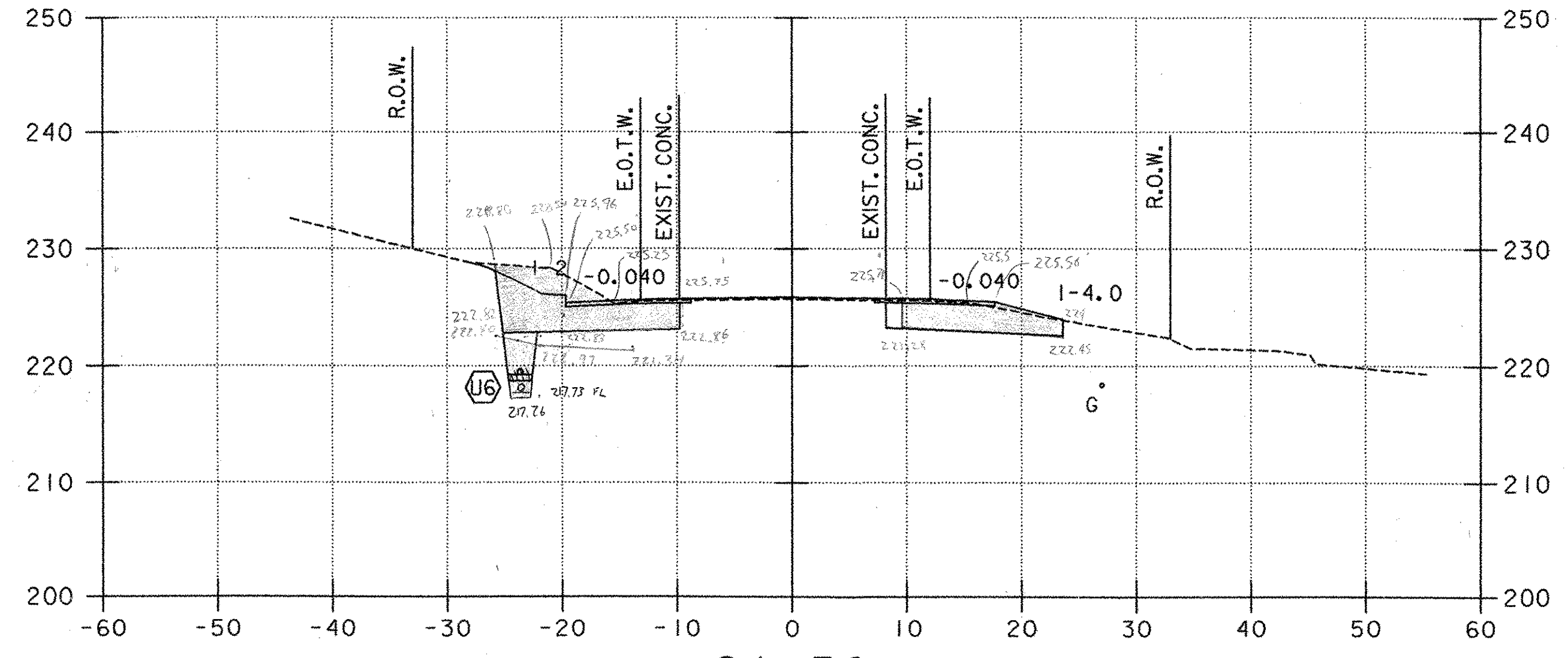
21+00



20+50

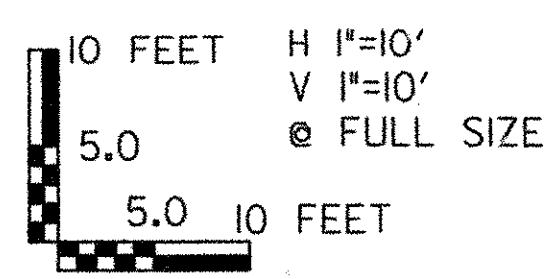


22+00



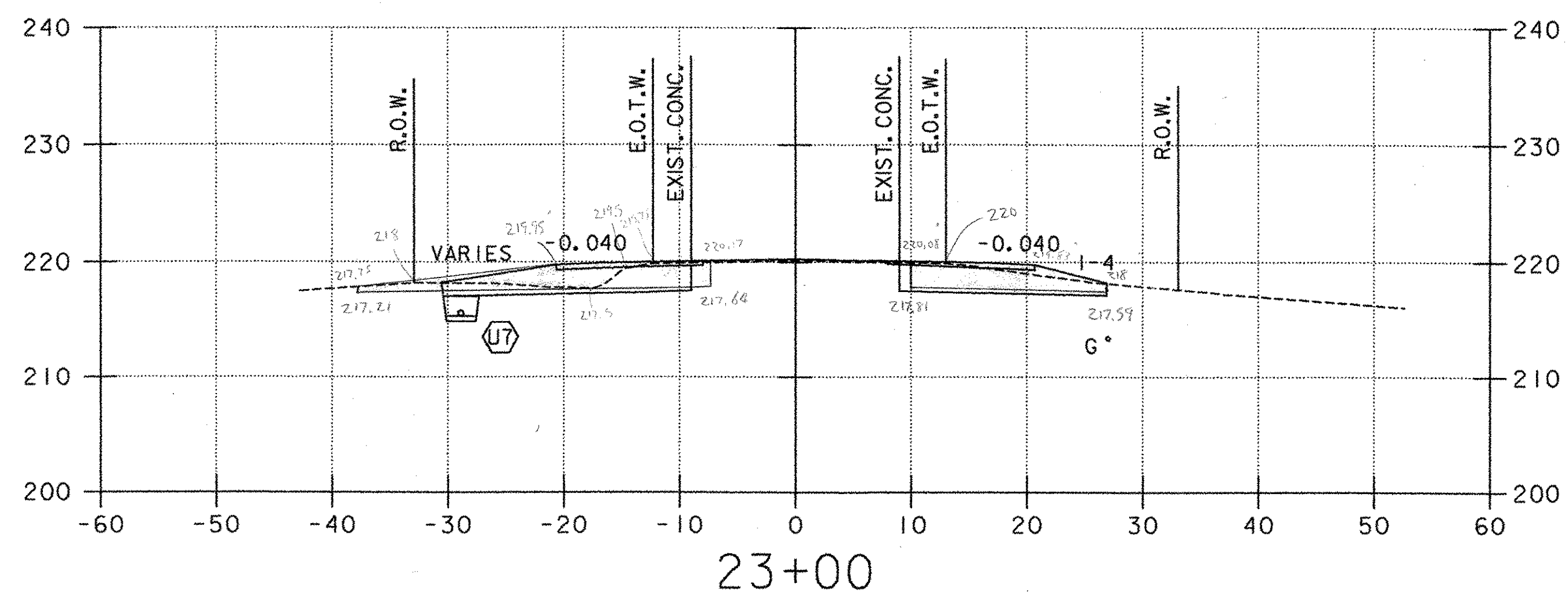
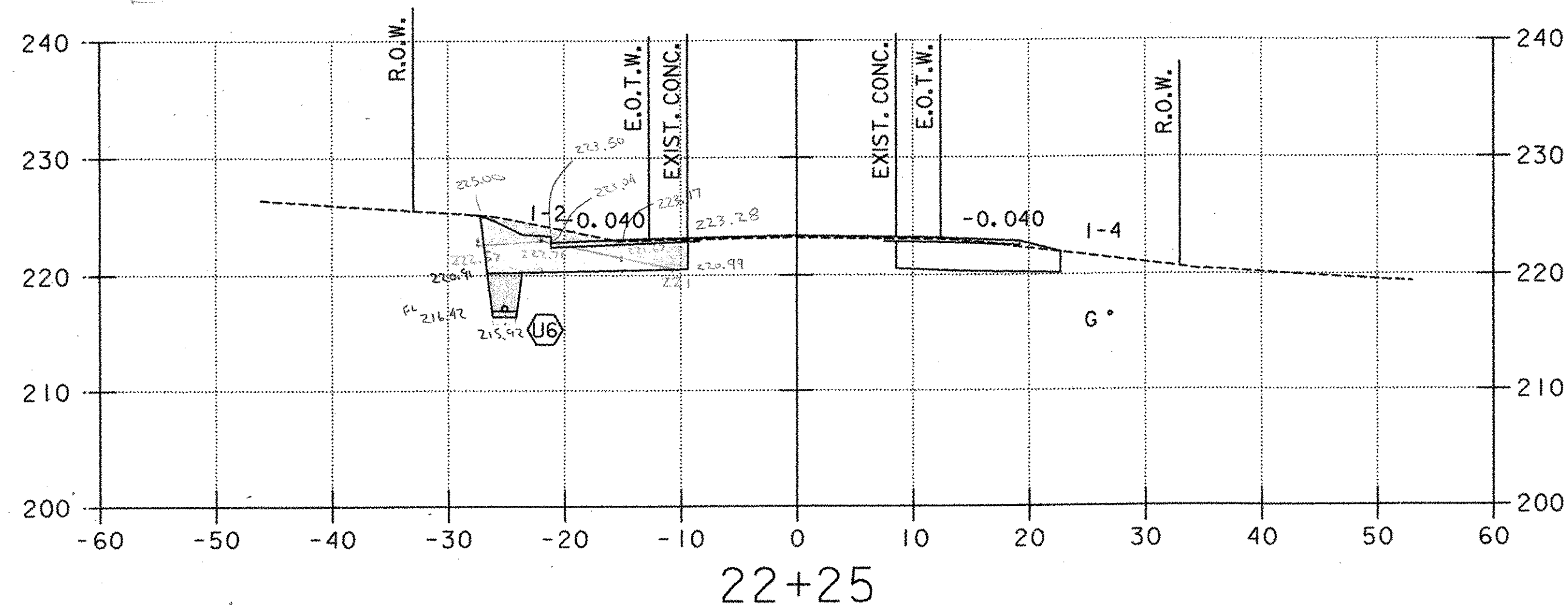
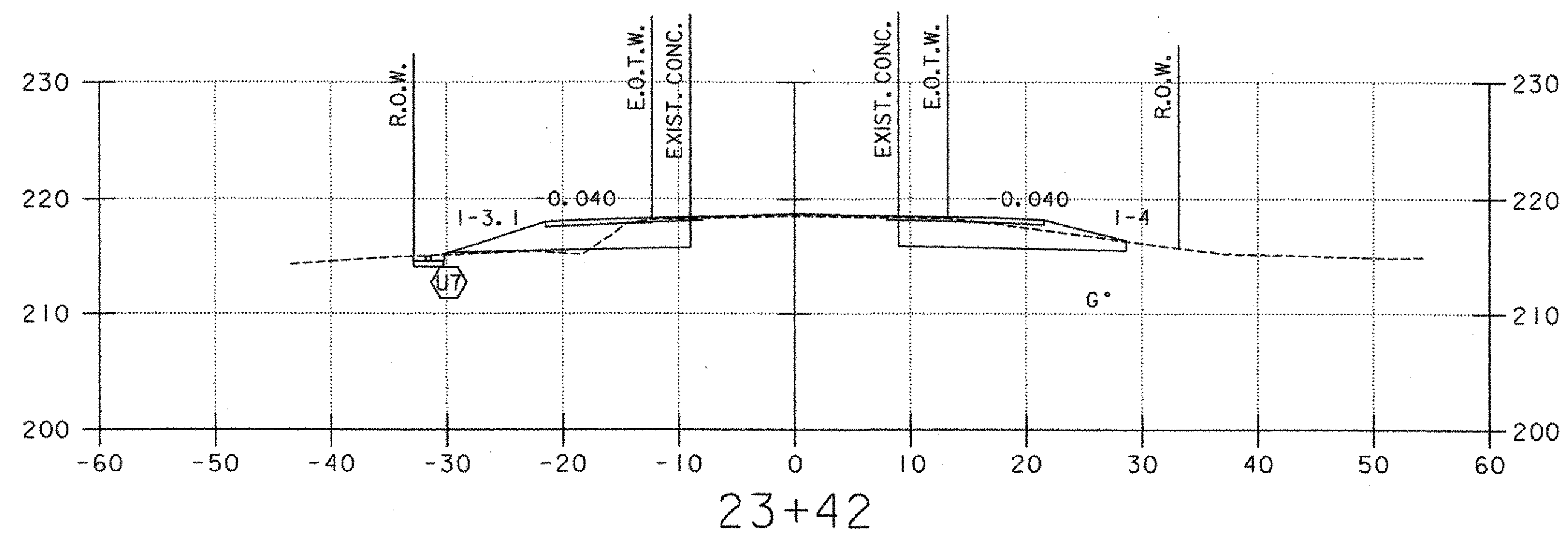
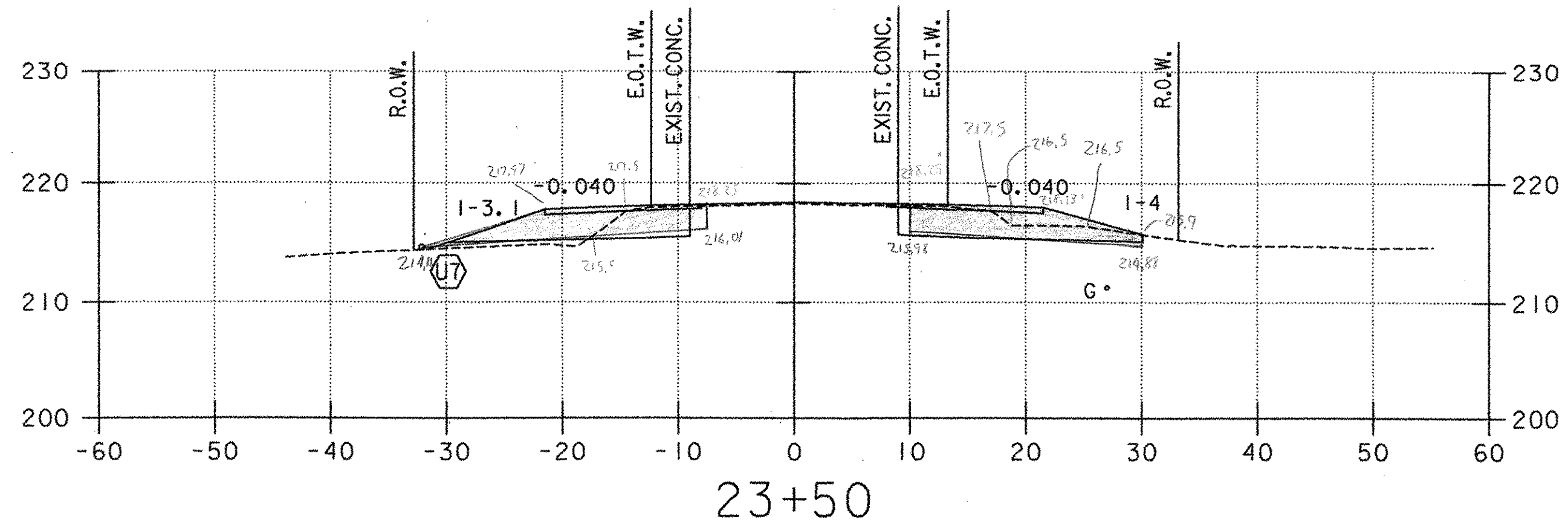
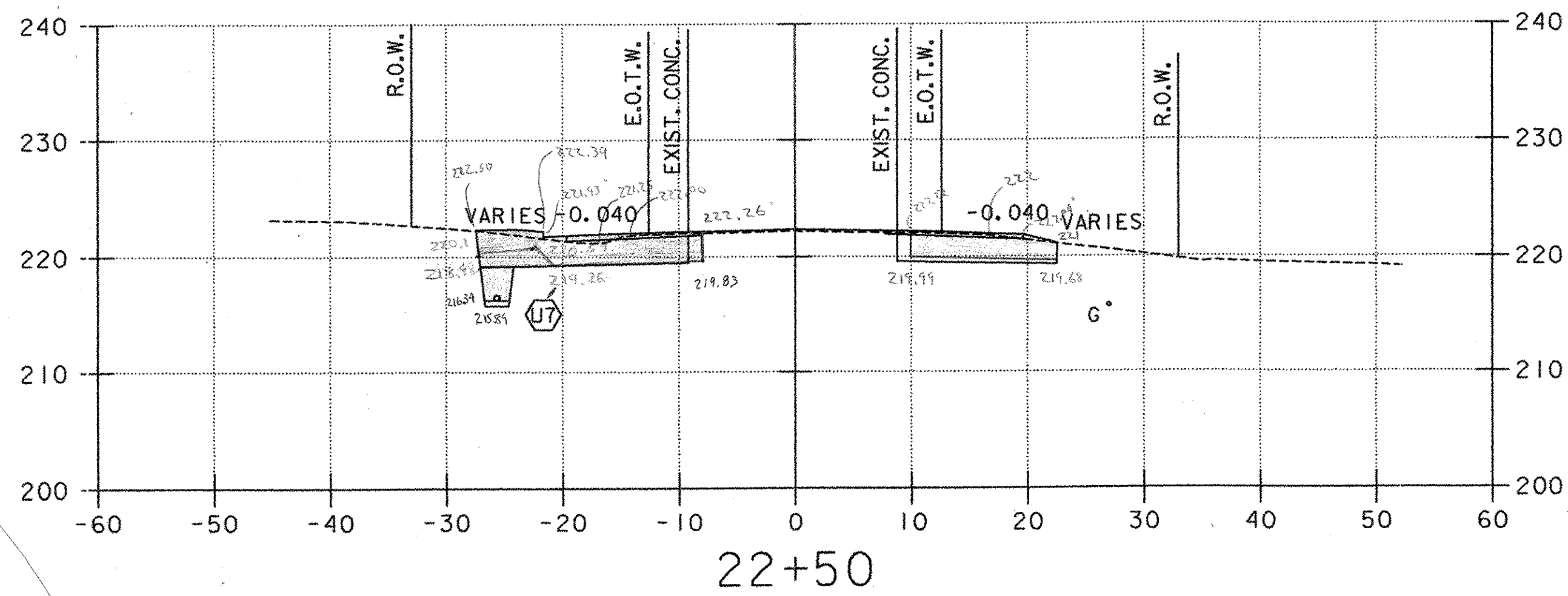
21+50

- LEGEND**
- PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS

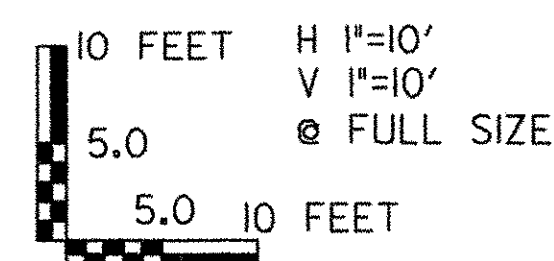


PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn
 PROJECT LEADER: CSP
 DESIGNED BY: DH
 U.S. ROUTE 7 - CROSS SECTION

PLOT DATE: 07/08/02
 DRAWN BY: MAM
 CHECKED BY: GAE
 SHEET 47 OF 56



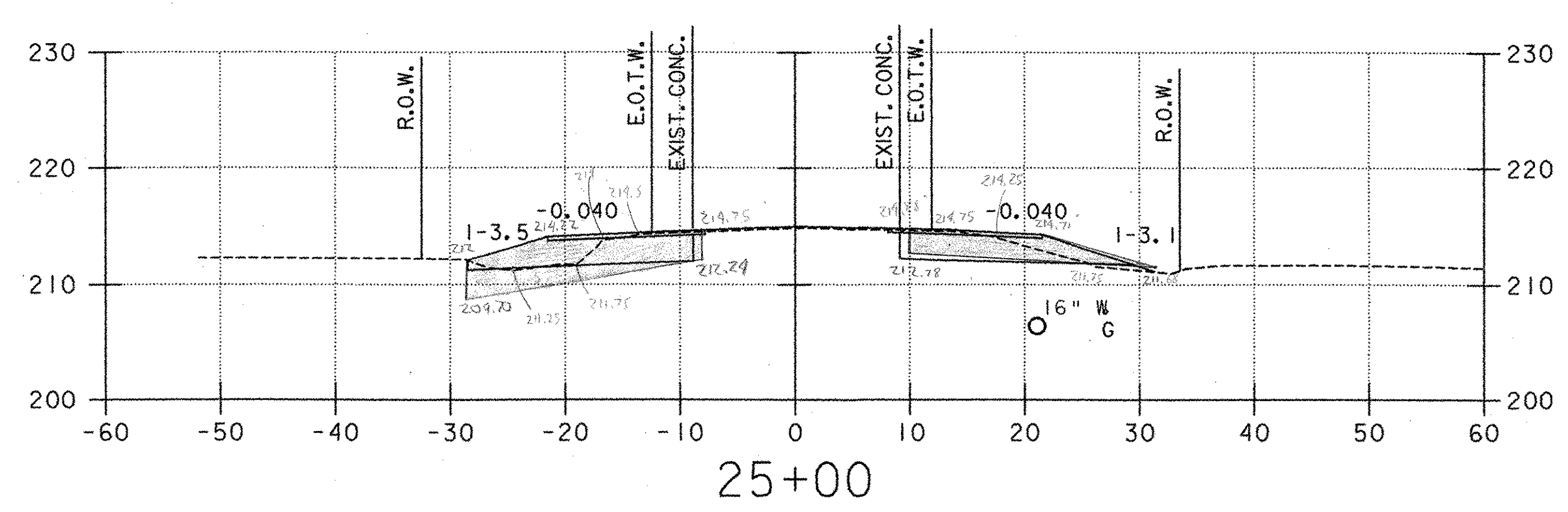
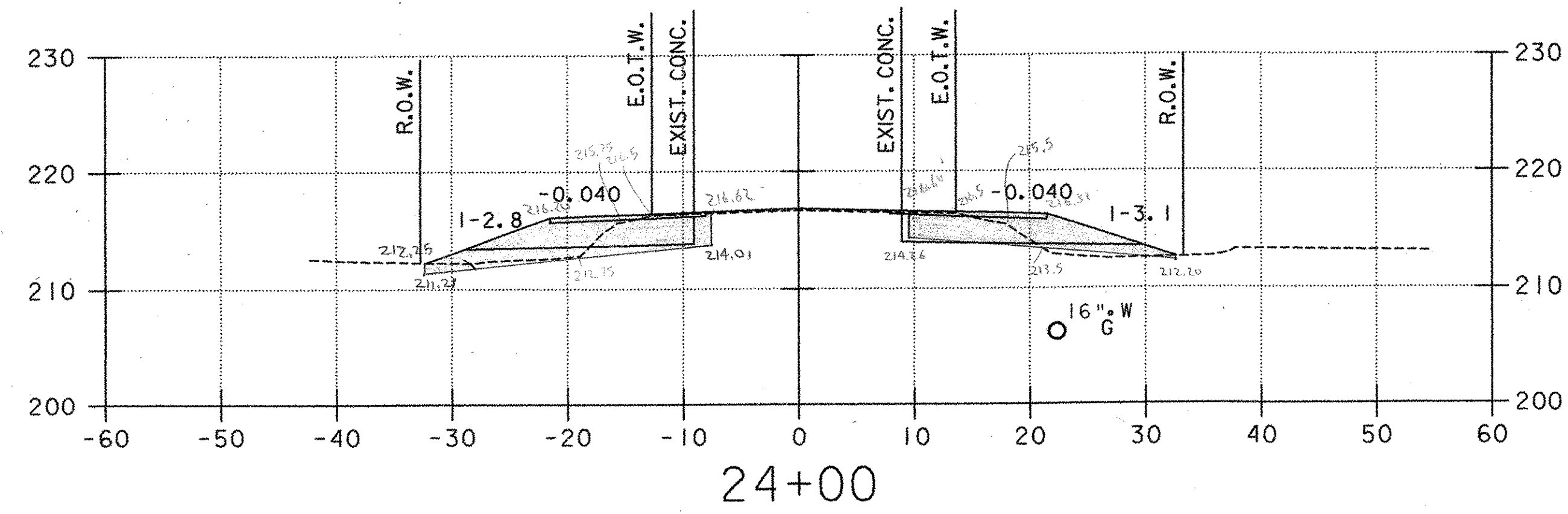
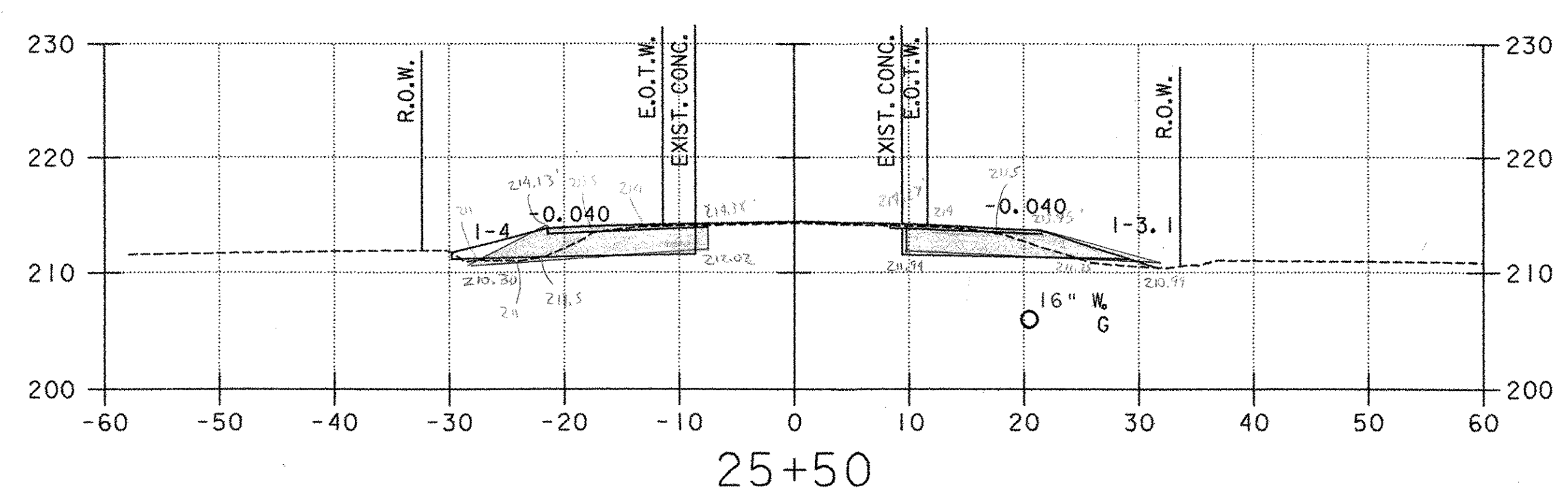
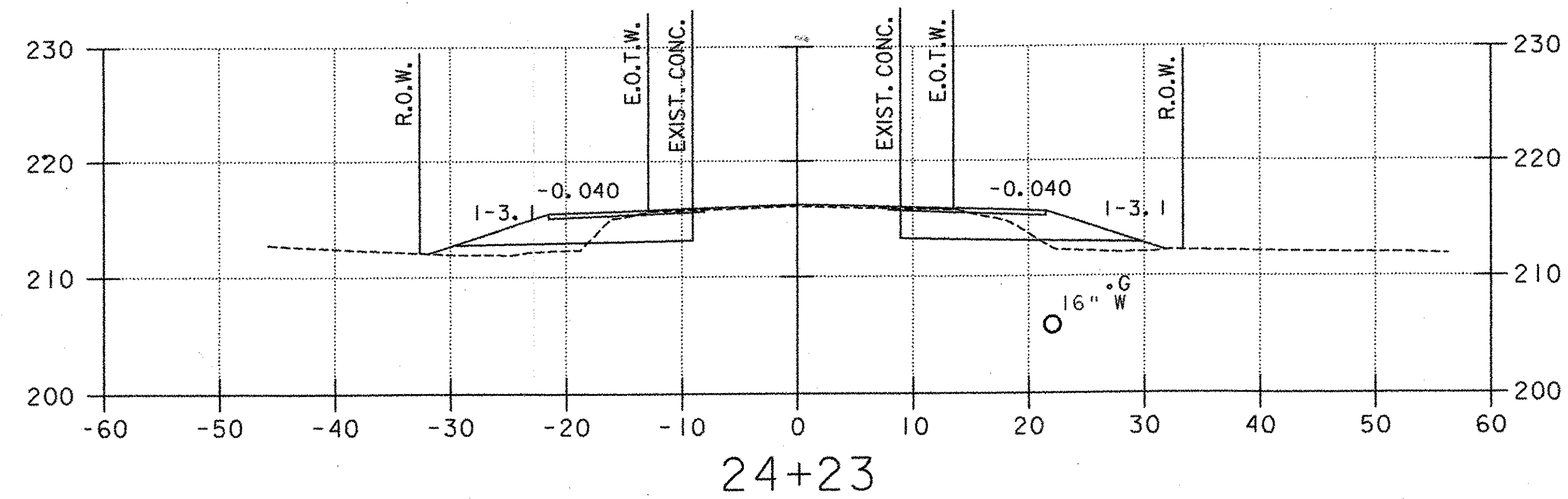
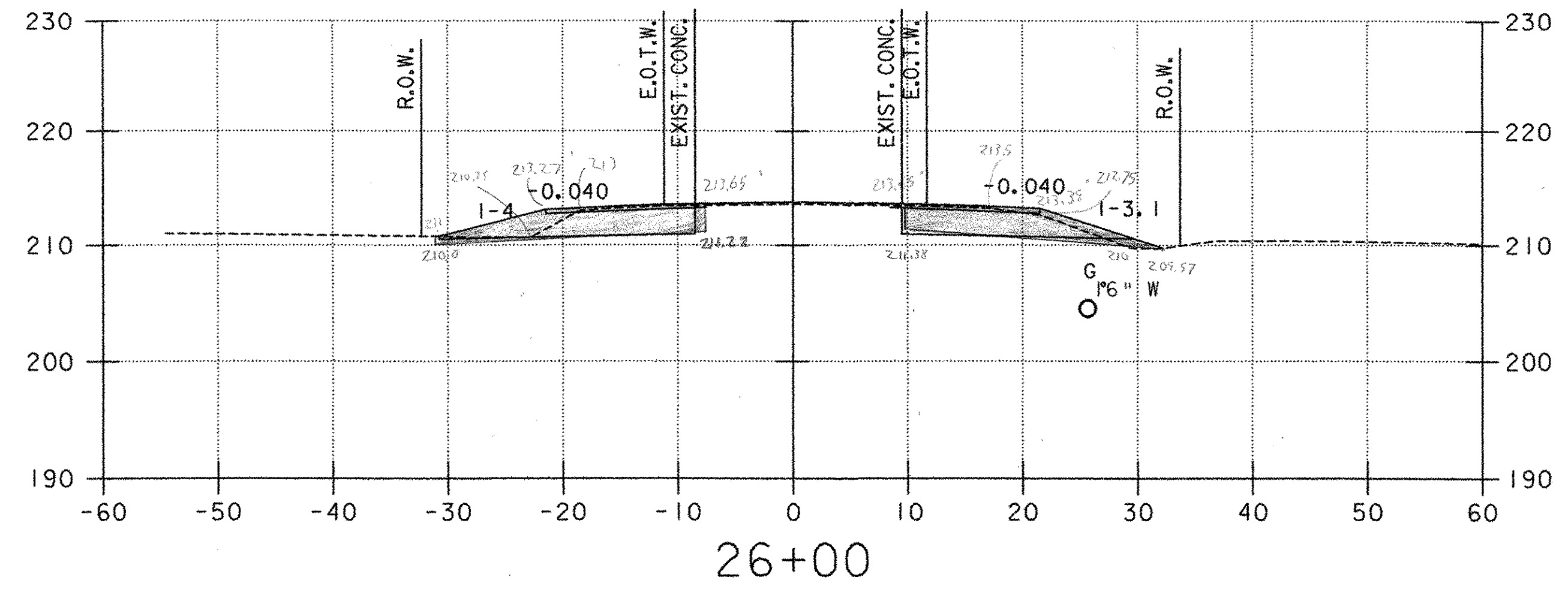
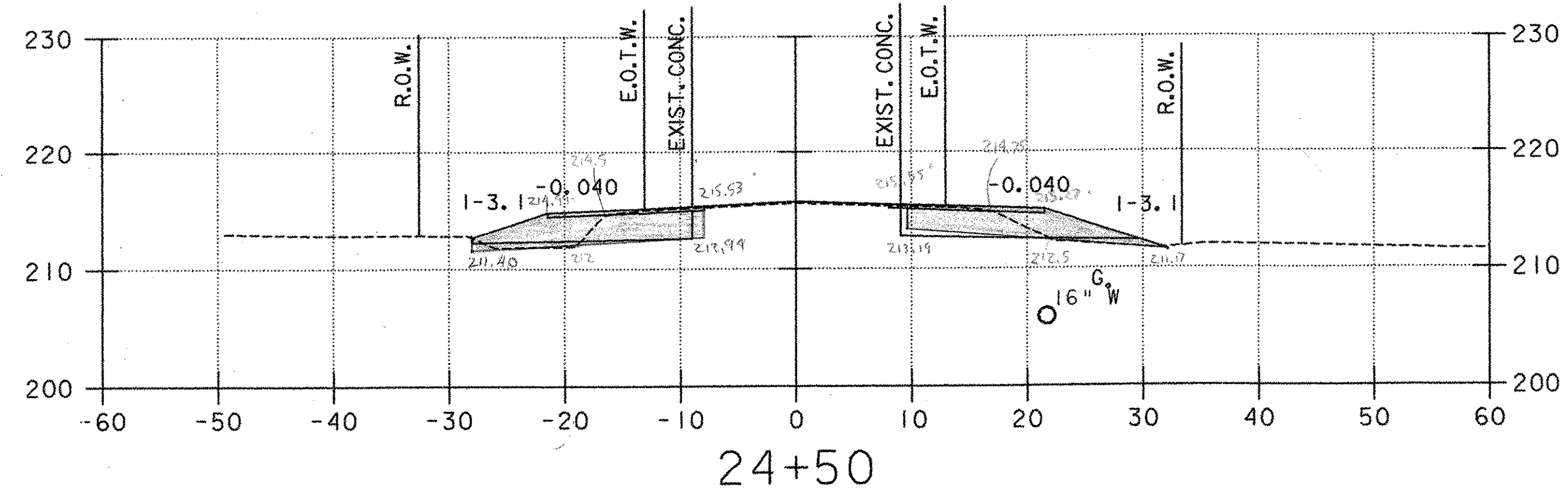
- LEGEND**
- Ⓜ PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - Ⓢ PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - ⓐ PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS



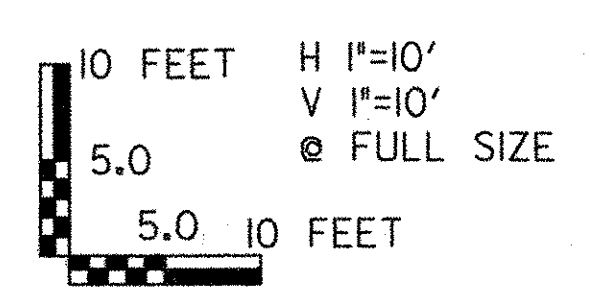
PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn
 PROJECT LEADER: CSP
 DESIGNED BY: DH
 U.S. ROUTE 7 - CROSS SECTION

PLOT DATE: 07/08/02
 DRAWN BY: MAM
 CHECKED BY: GAE
 SHEET 48 OF 56

13-26 SECTION.DWG 07/08/02 12:13:08 PM



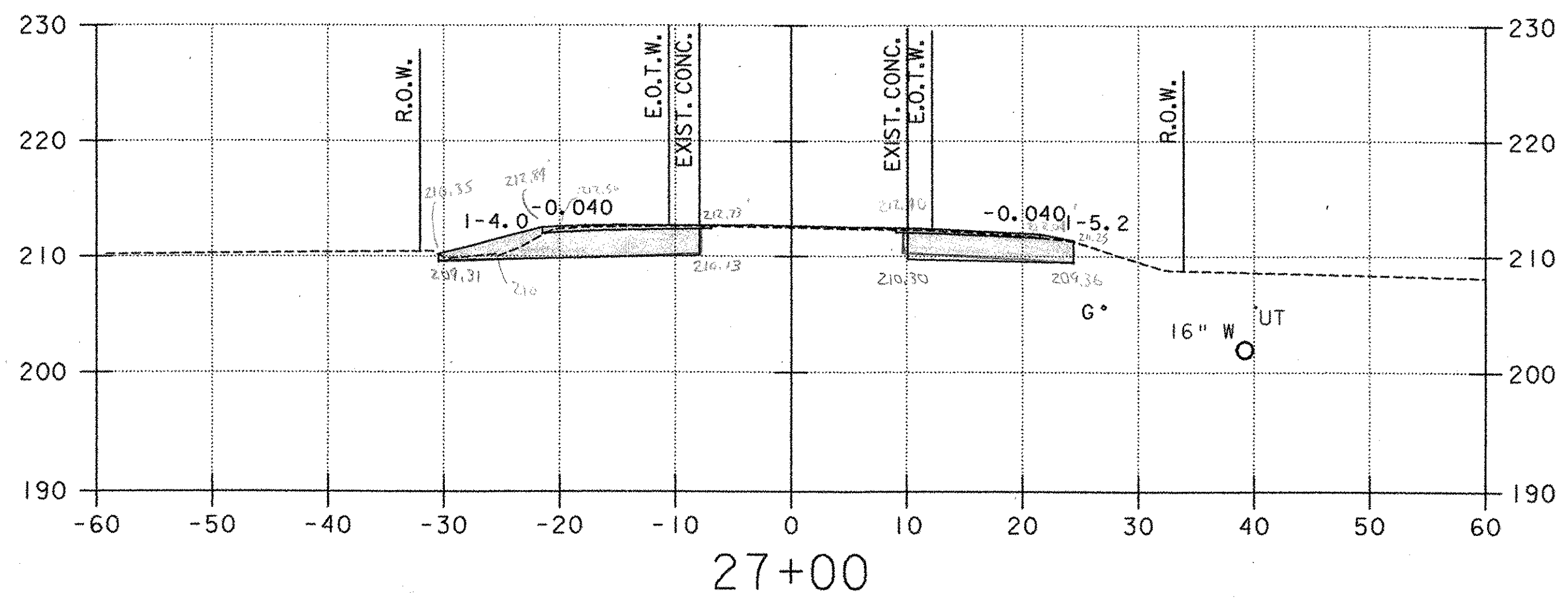
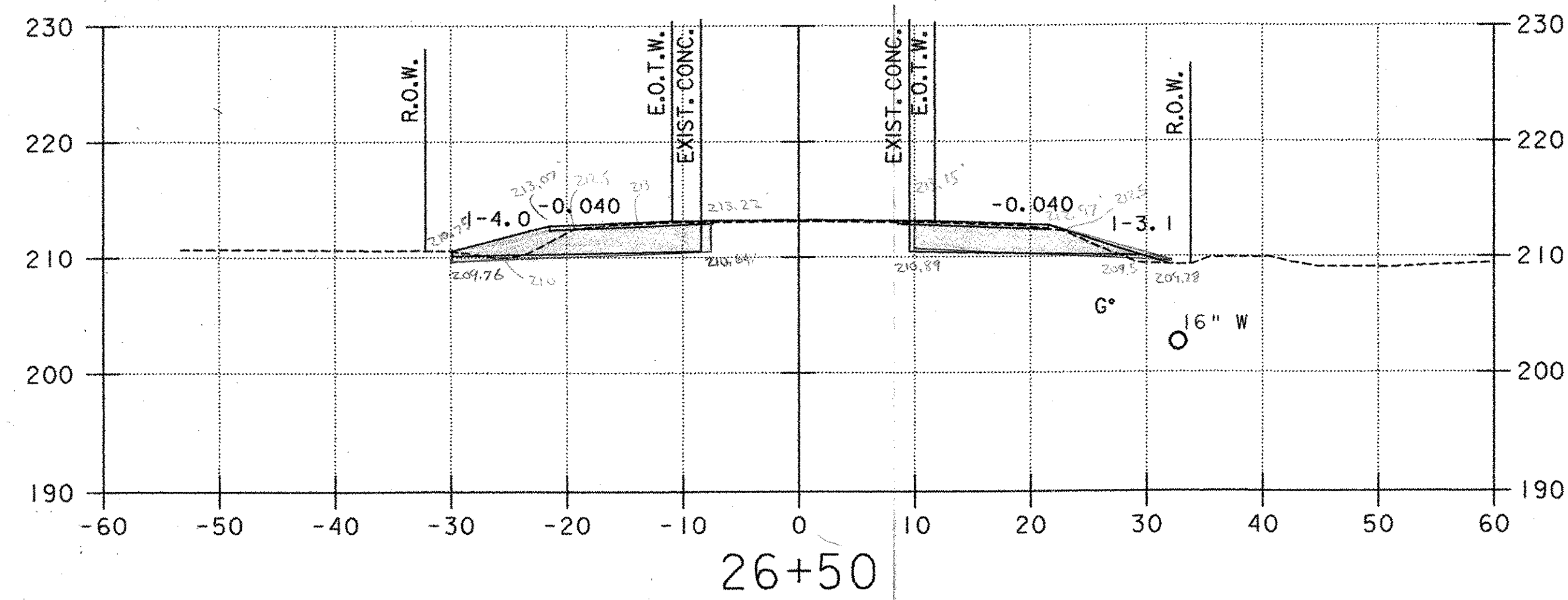
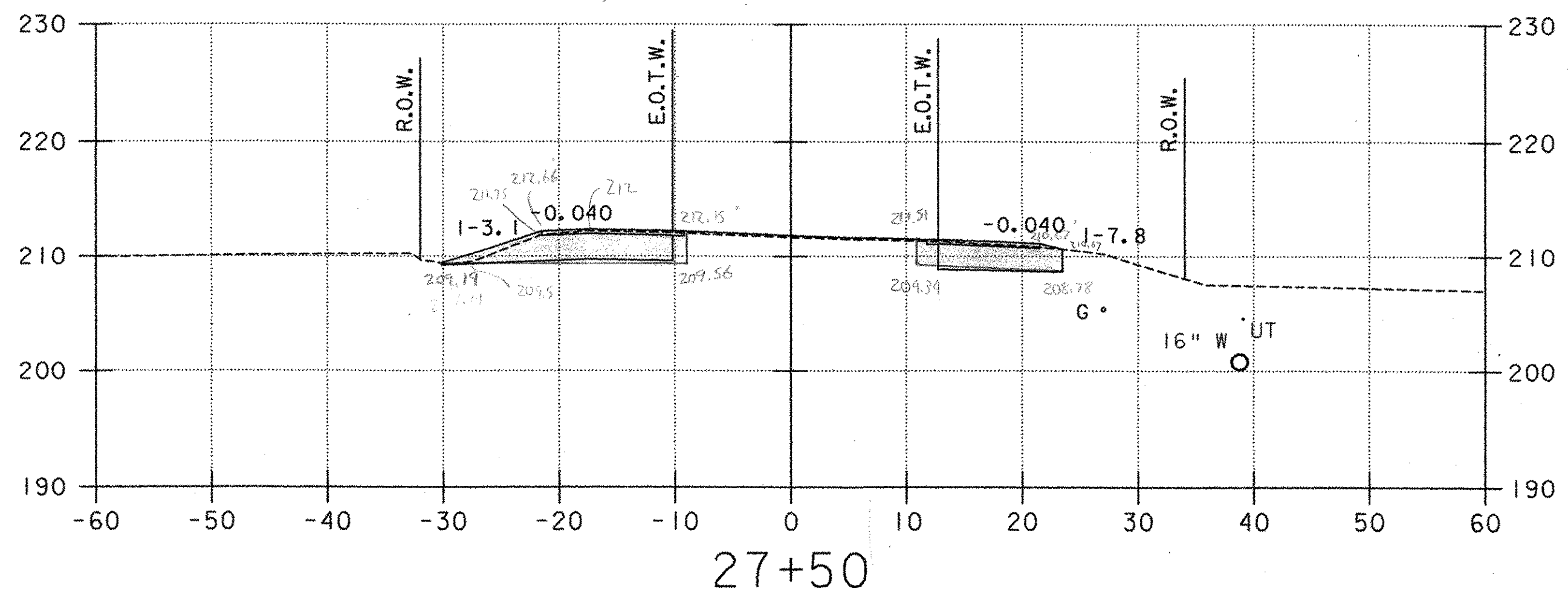
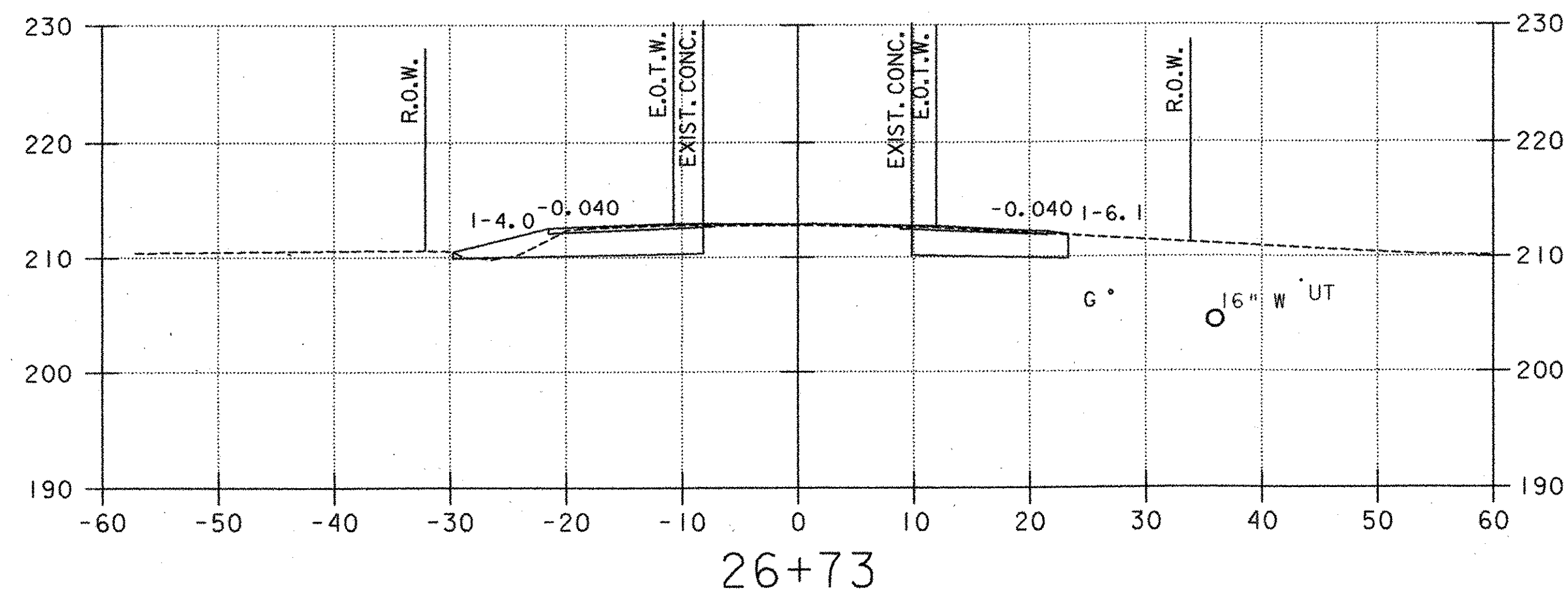
- LEGEND**
- (U) PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - (S) PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - (A) PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS



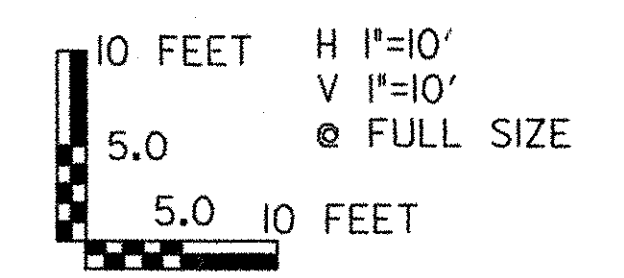
PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn
 PROJECT LEADER: CSP
 DESIGNED BY: DH
 U.S. ROUTE 7 - CROSS SECTION

PLOT DATE: 07/08/02
 DRAWN BY: MAM
 CHECKED BY: GAE
 SHEET 49 OF 56

13P-35 X SECTIONS.PLT 07/08/02 12:13:12 PM



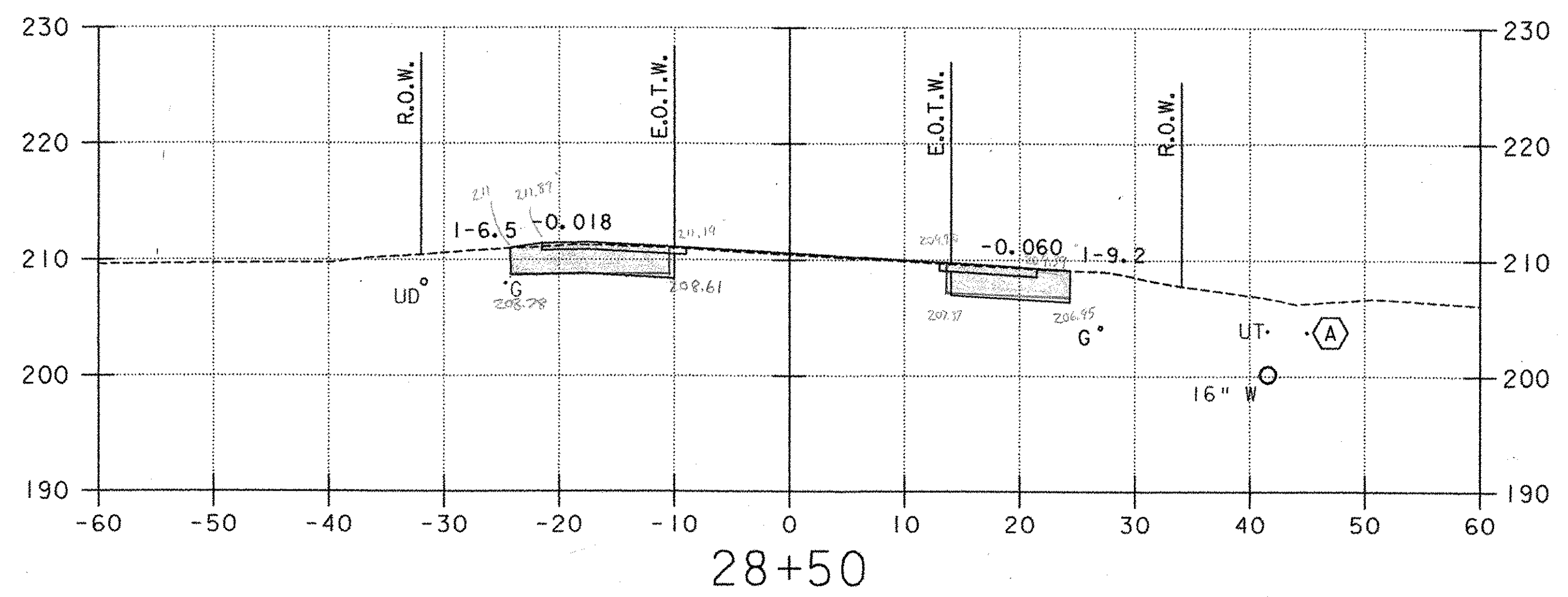
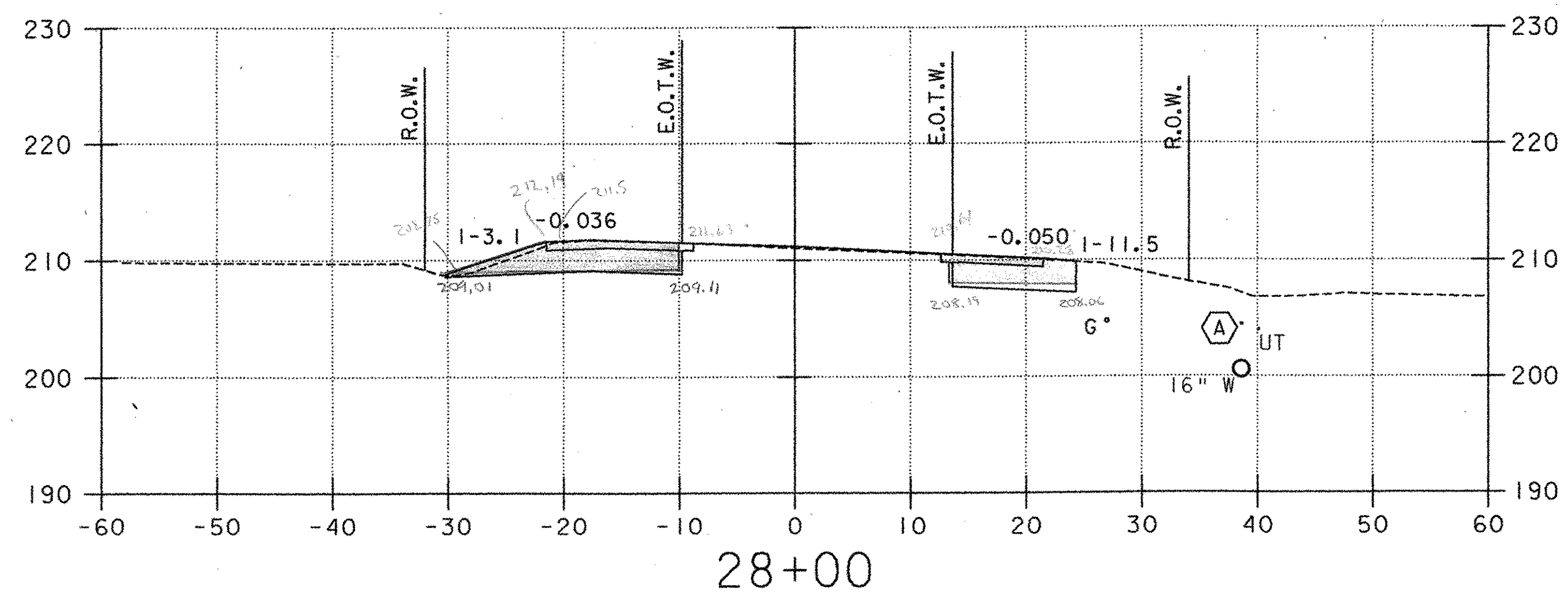
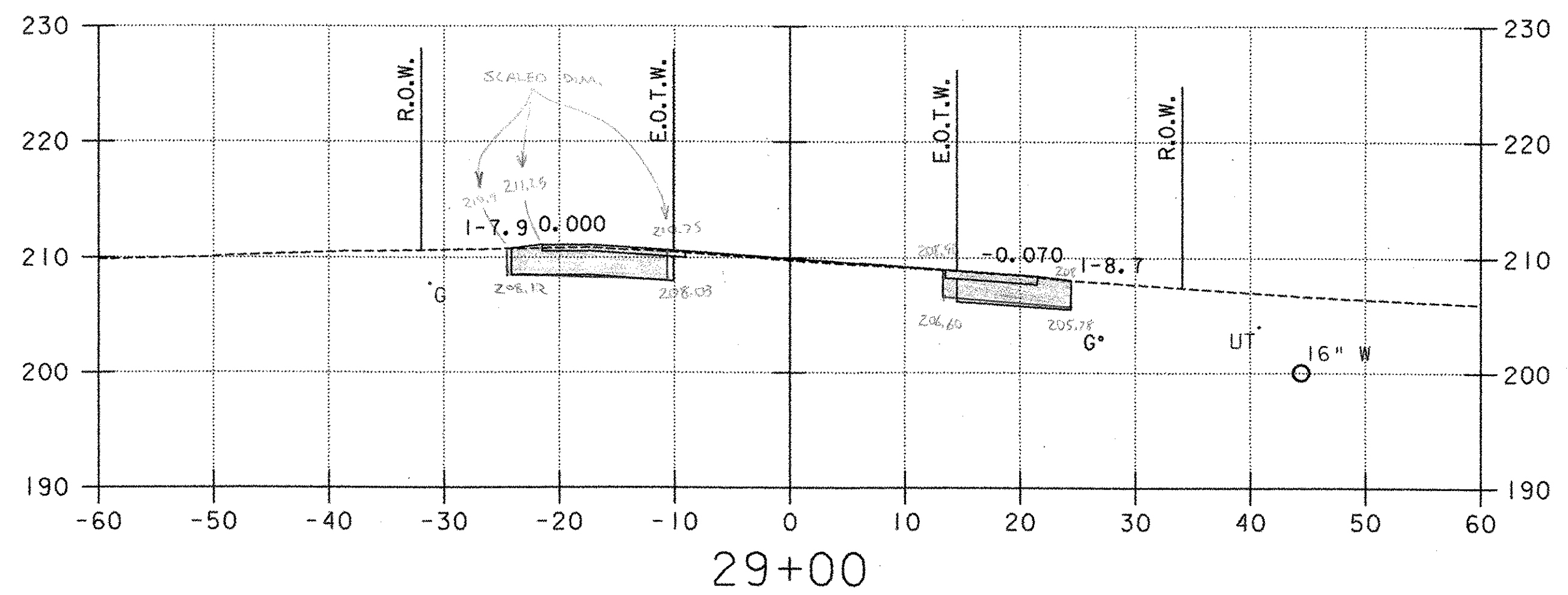
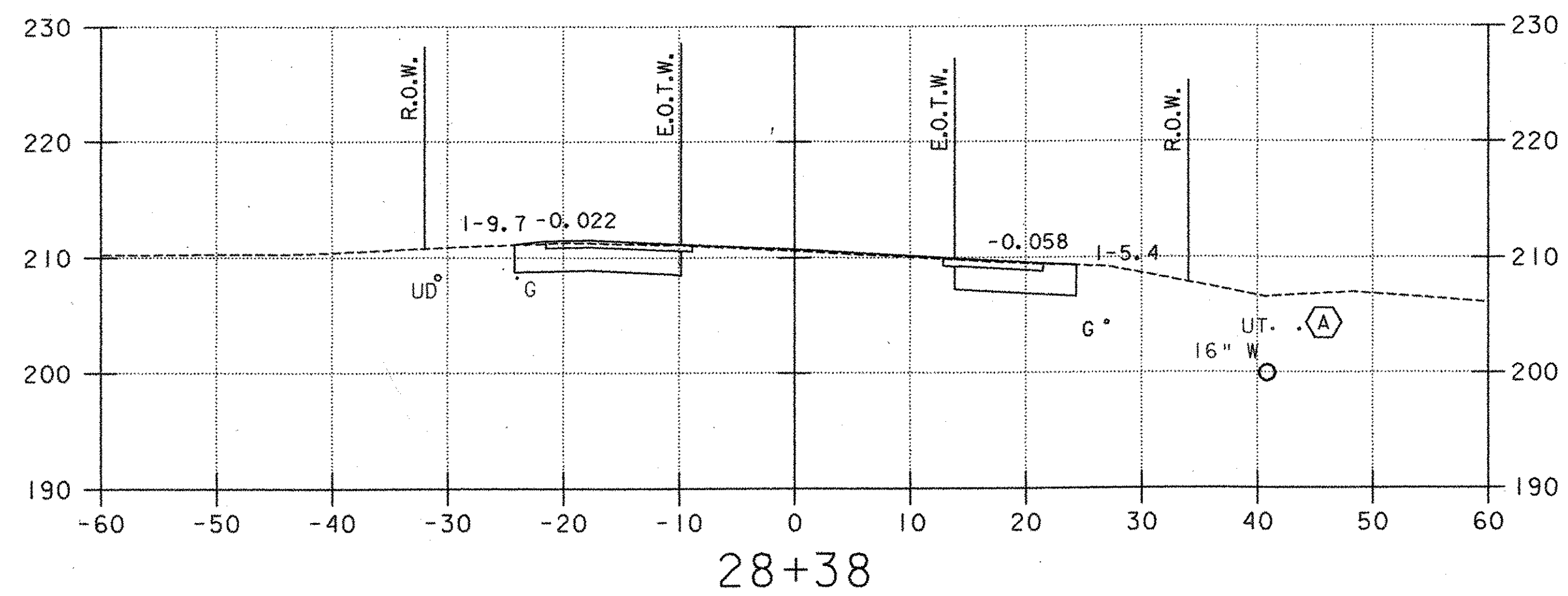
- LEGEND**
- ④ PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - ③ PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - Ⓐ PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS



PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18S)
 FILE NAME: zk062xsl.dgn
 PROJECT LEADER: CSP
 DESIGNED BY: DH
 U.S. ROUTE 7 - CROSS SECTION

PLOT DATE: 07/08/02
 DRAWN BY: MAM
 CHECKED BY: GAE
 SHEET 50 OF 56

07/08/02 12:33:00



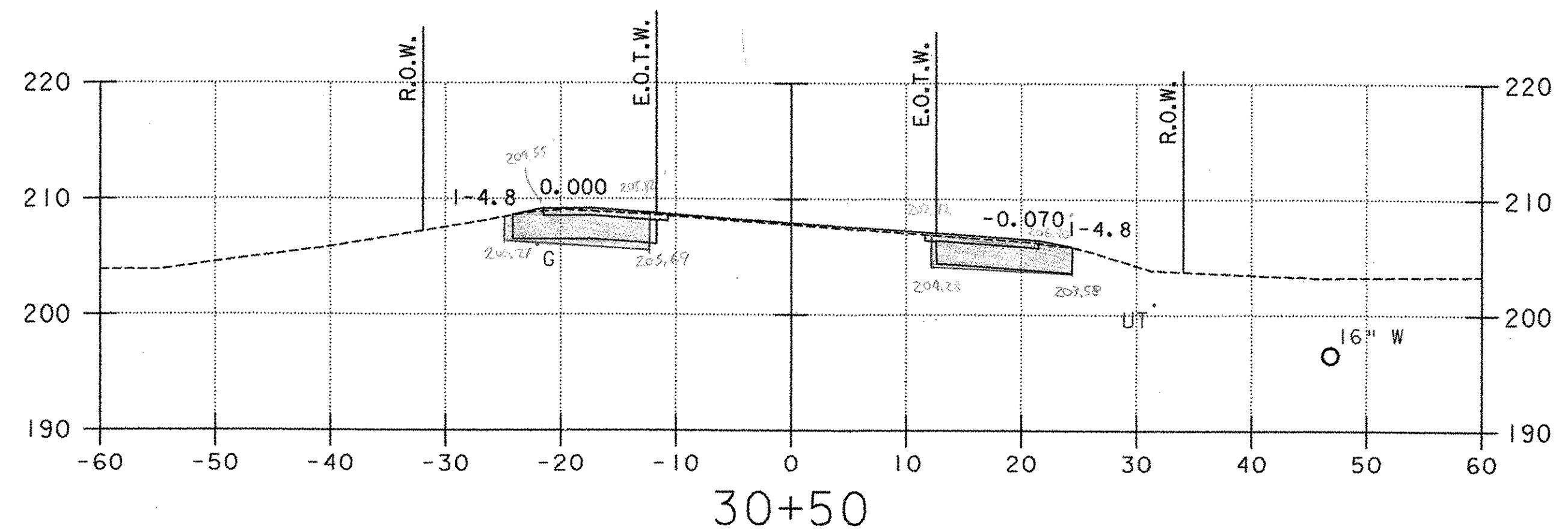
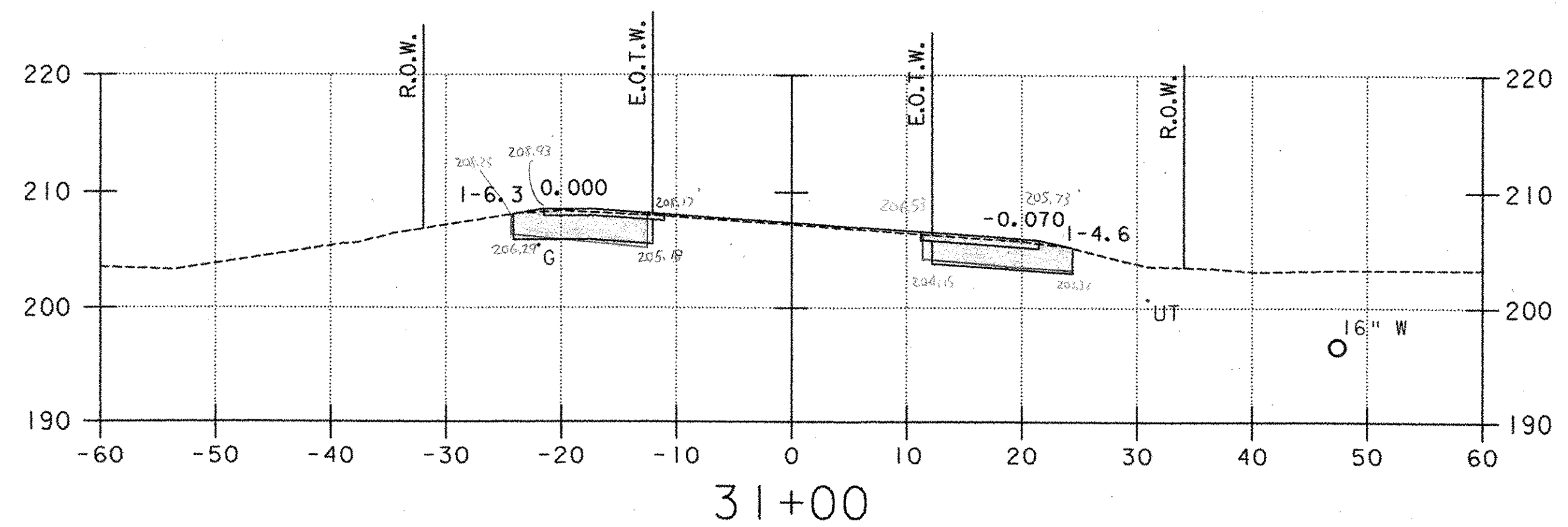
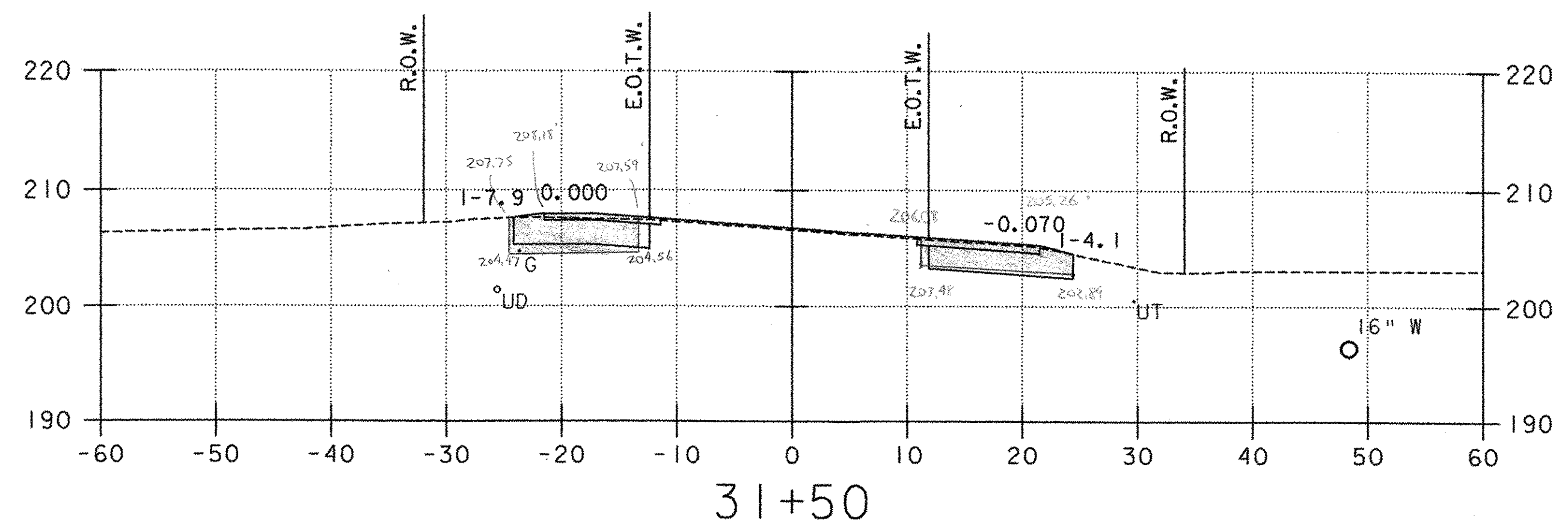
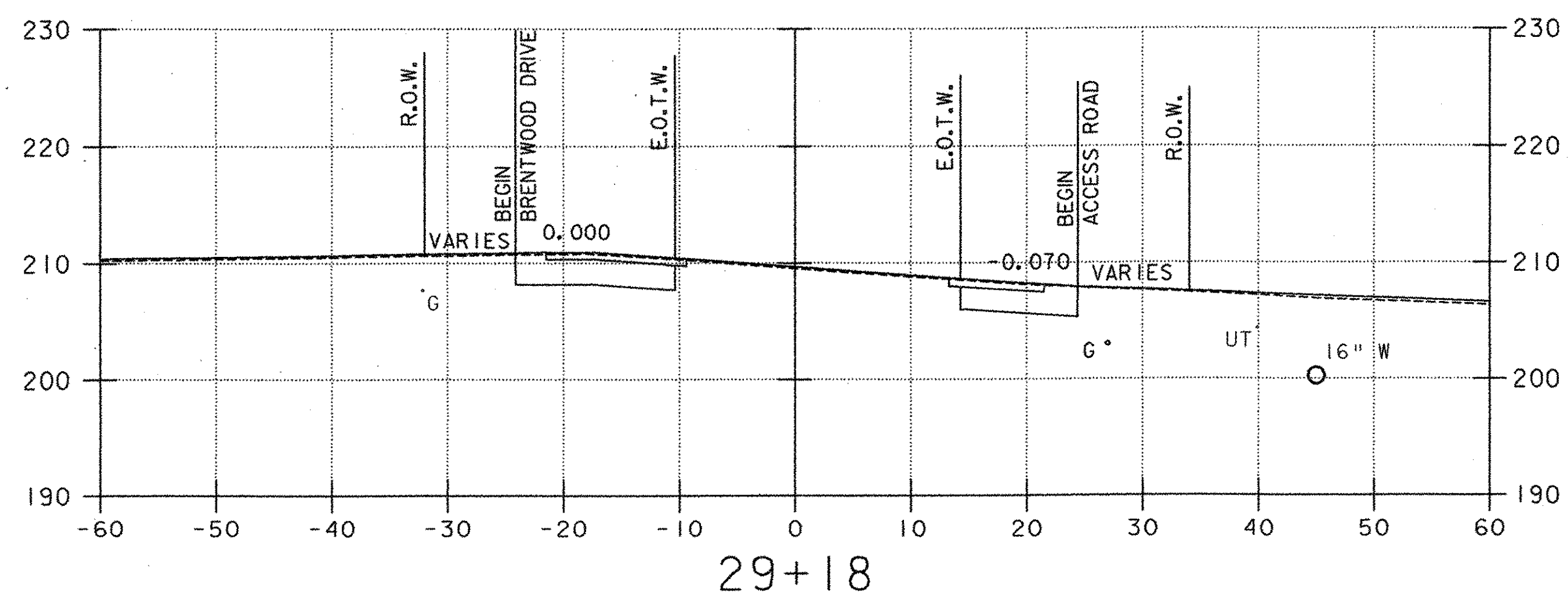
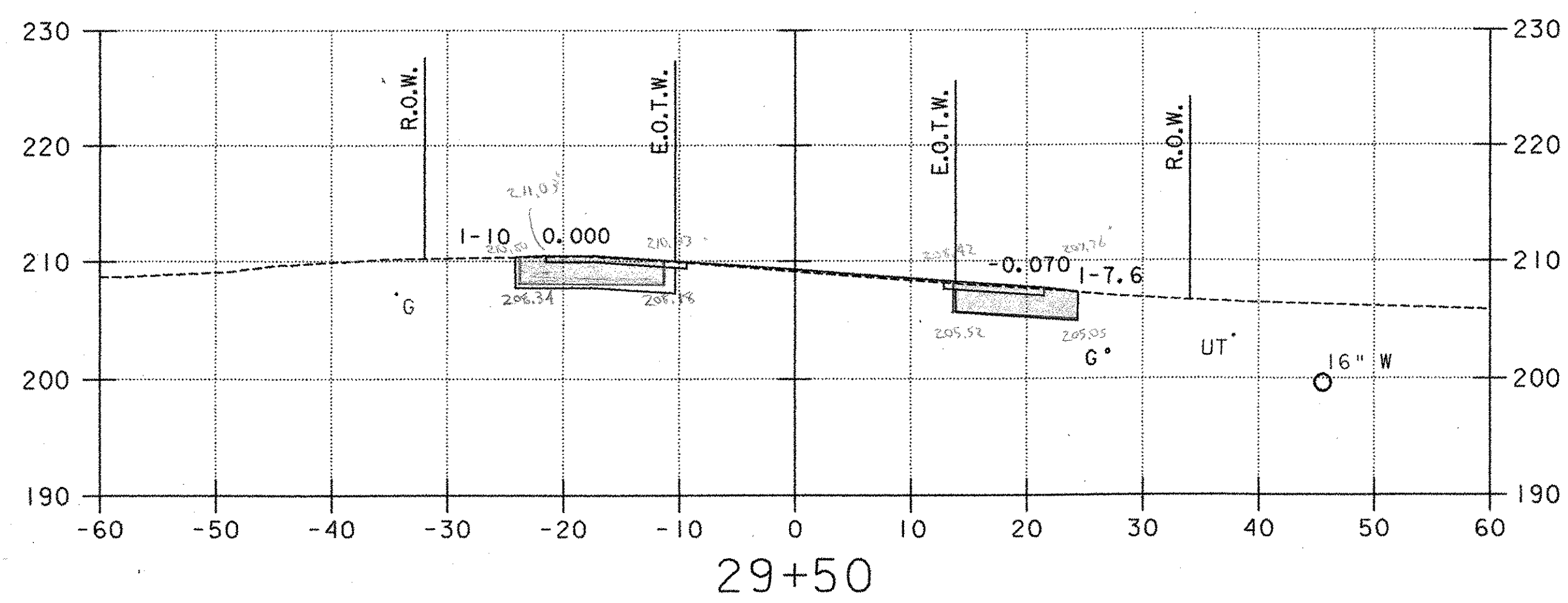
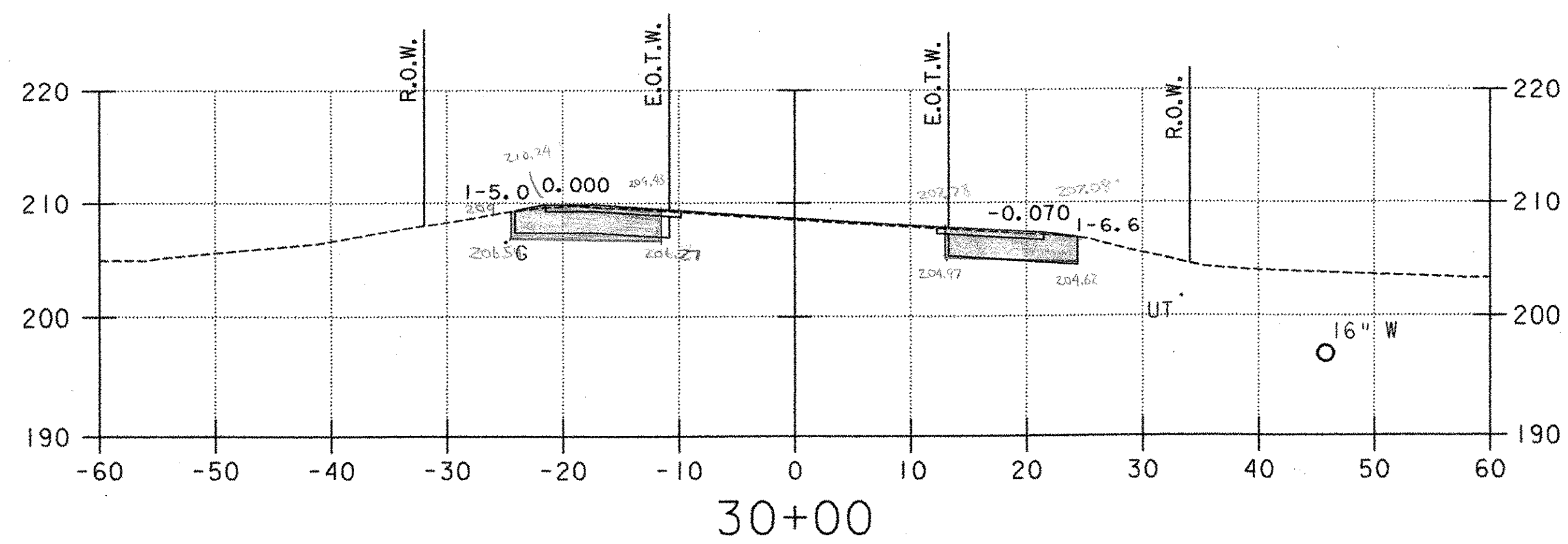
- LEGEND**
- PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - EXISTING UNDERGROUND TELEPHONE
 - EXISTING WATER
 - EXISTING UNDERDRAIN
 - EXISTING GAS



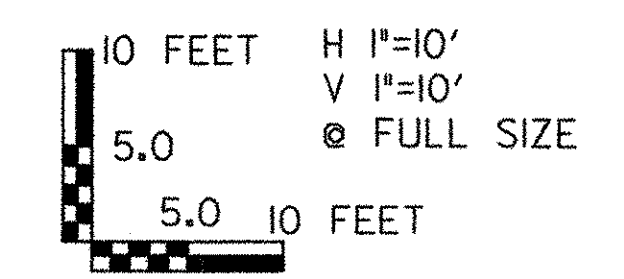
PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn
 PROJECT LEADER: CSP
 DESIGNED BY: DH
 U.S. ROUTE 7 - CROSS SECTION

PLOT DATE: 07/08/02
 DRAWN BY: MAM
 CHECKED BY: GAE
 SHEET 51 OF 56

11:35:56 P. SECTION.PLT 07/08/02 12:13:28 PM



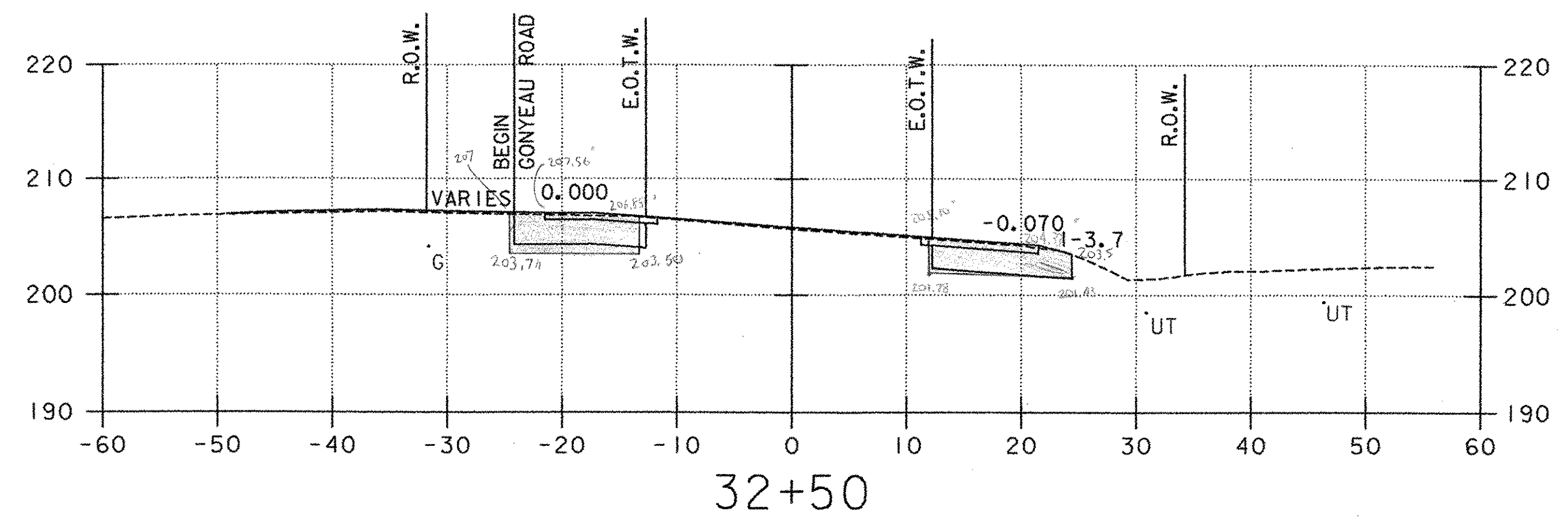
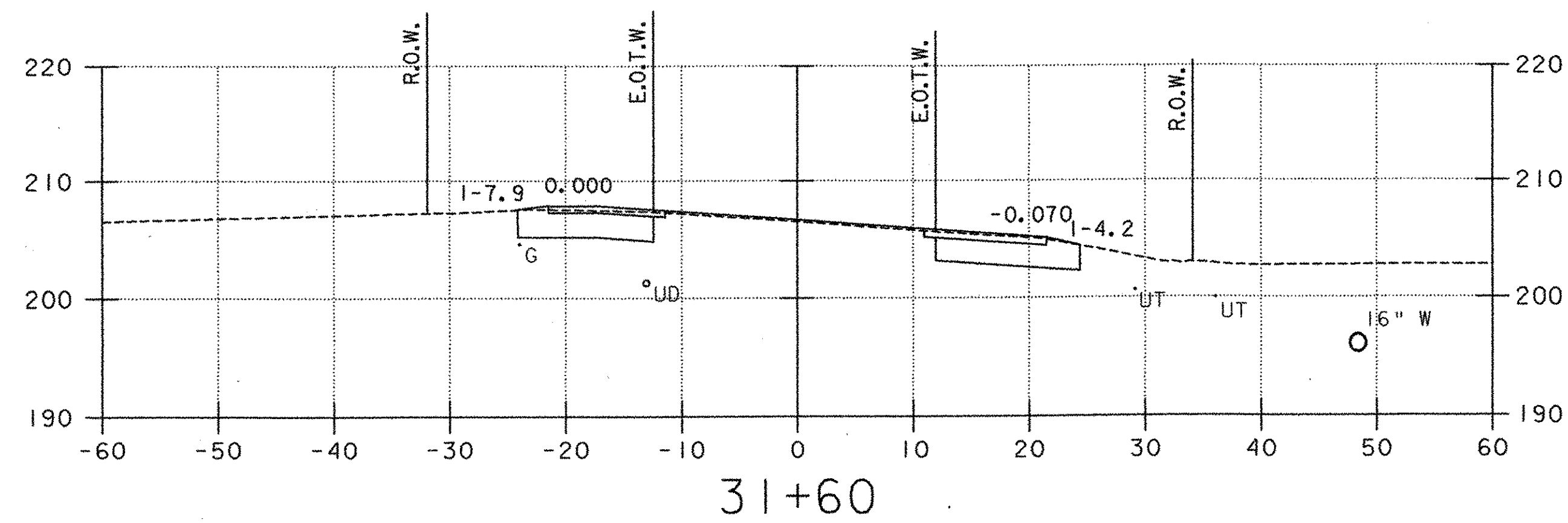
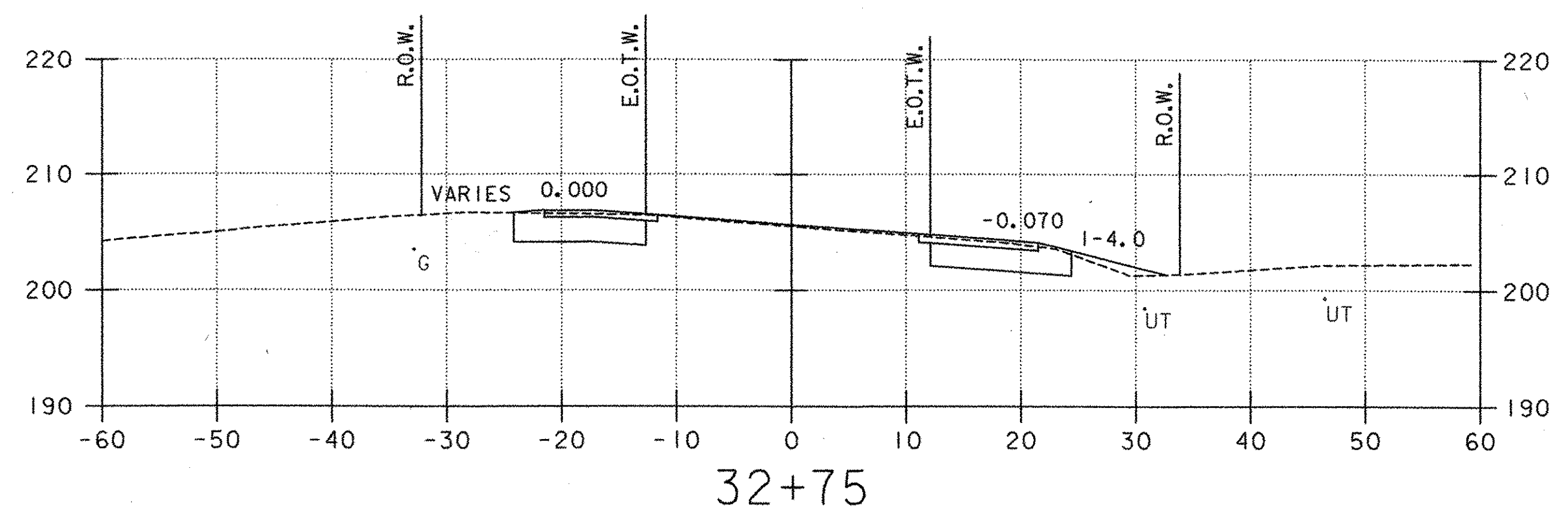
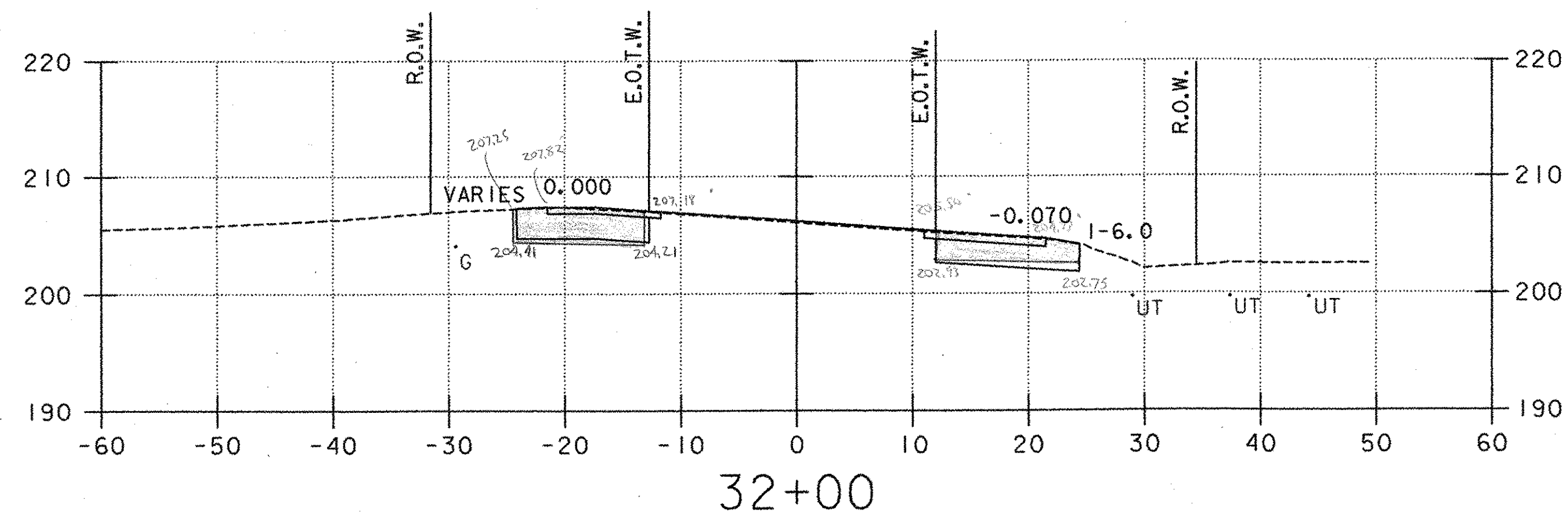
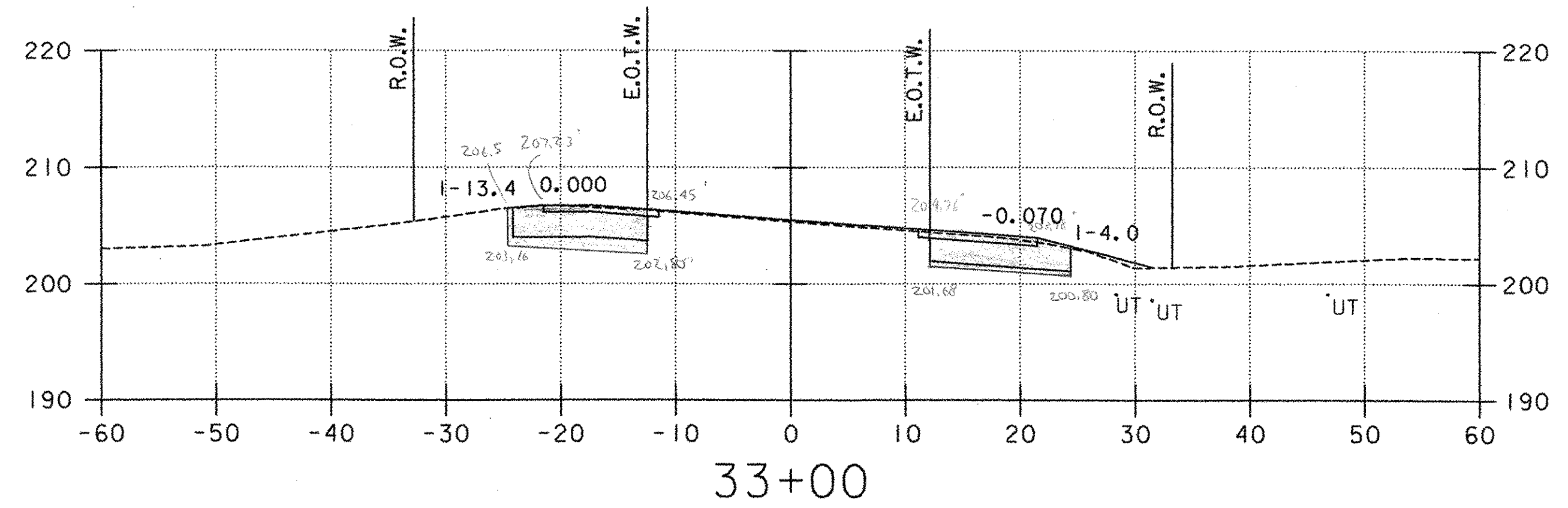
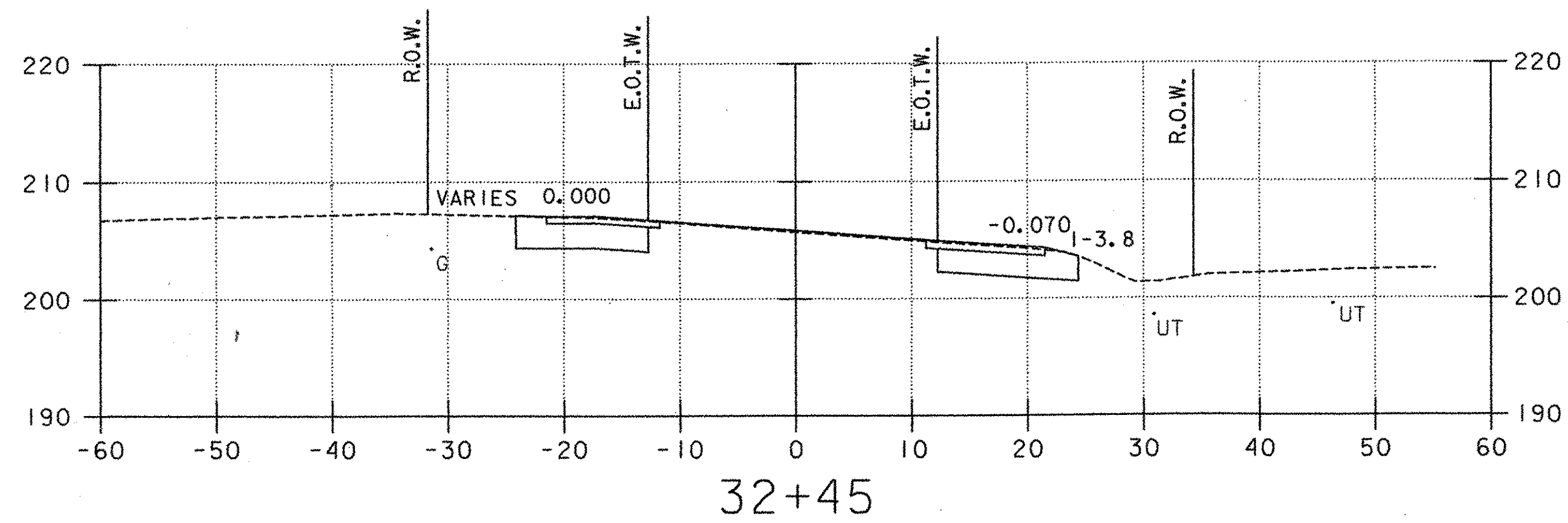
- LEGEND**
- Ⓧ PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - Ⓢ PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - ⓐ PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS



PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn
 PROJECT LEADER: CSP
 DESIGNED BY: DH
 U.S. ROUTE 7 - CROSS SECTION

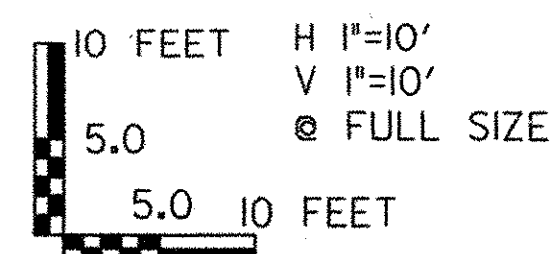
PLOT DATE: 07/08/02
 DRAWN BY: MAM
 CHECKED BY: GAE
 SHEET 52 OF 56

13:56 X 22:15:23 PM 07/08/02 12:15:23 PM

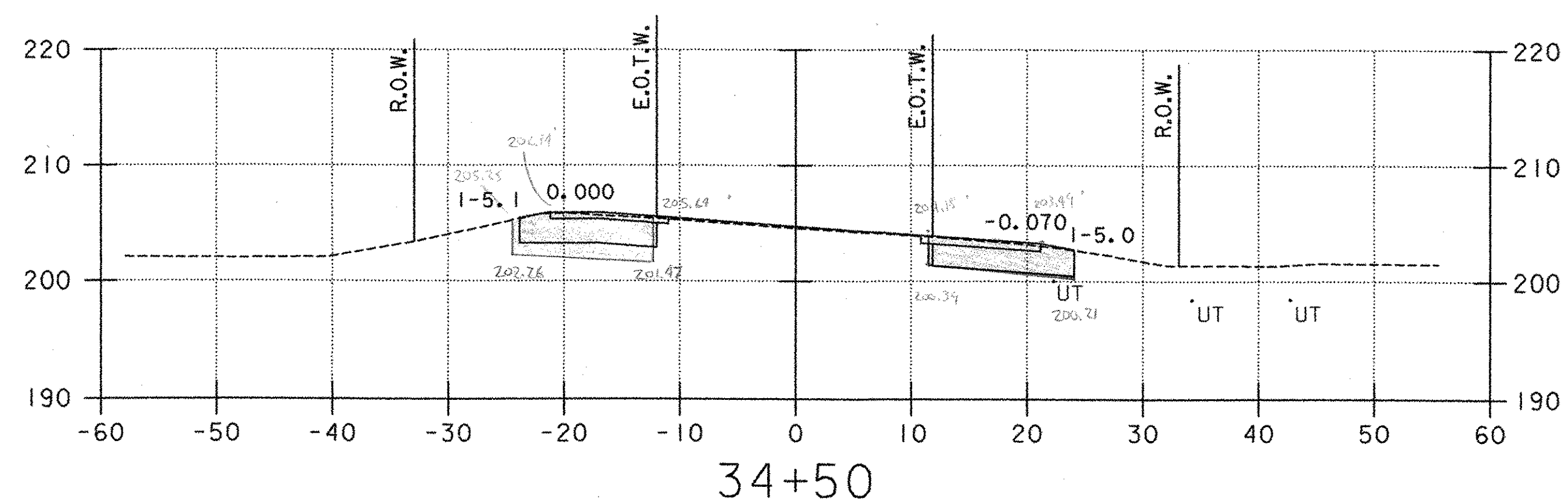
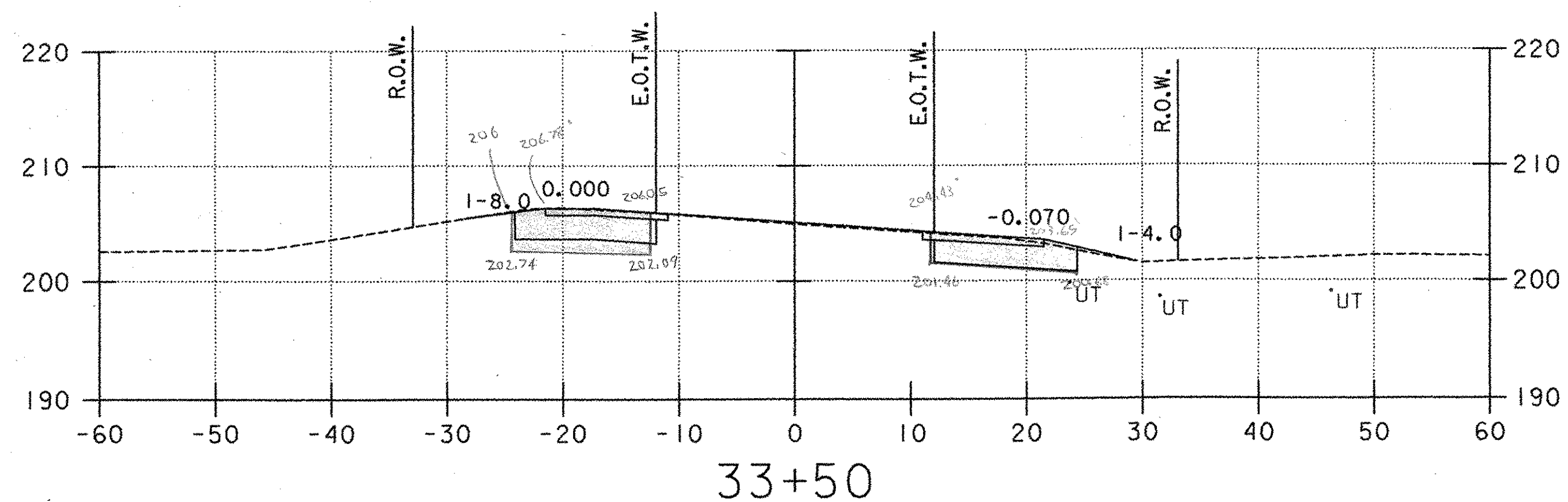
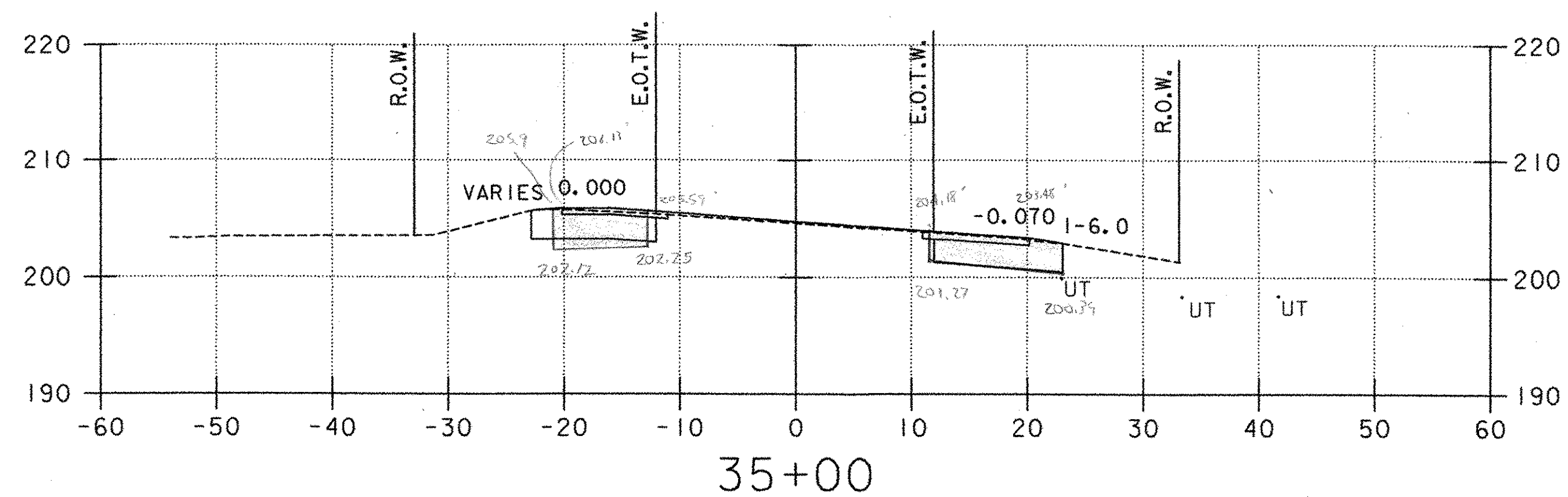
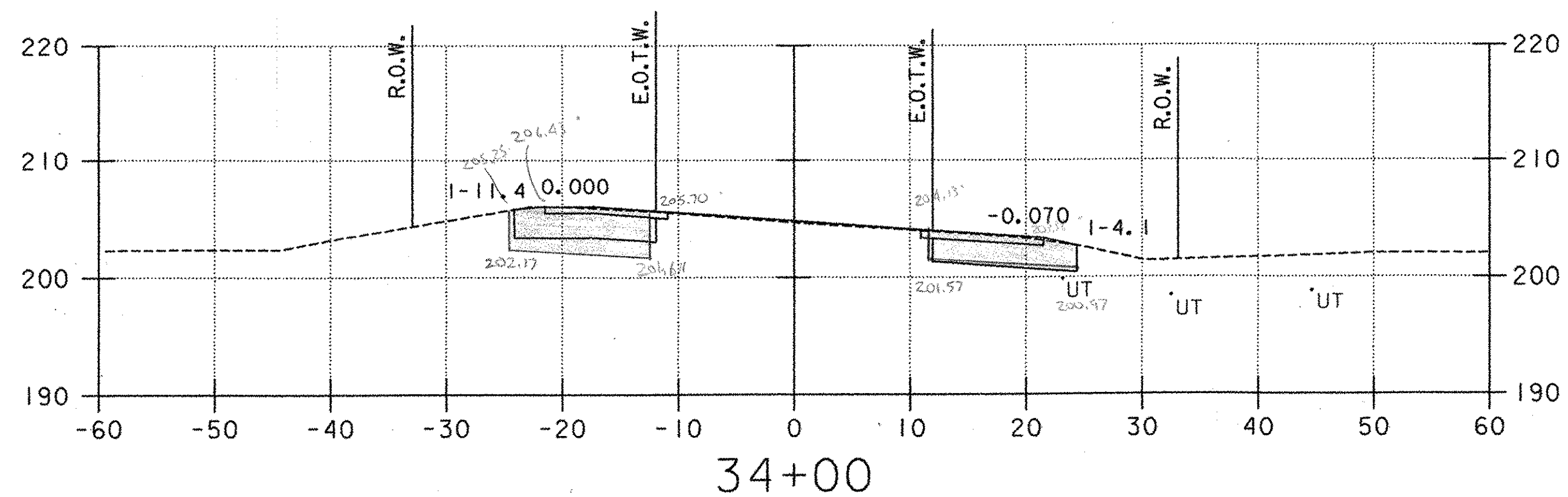
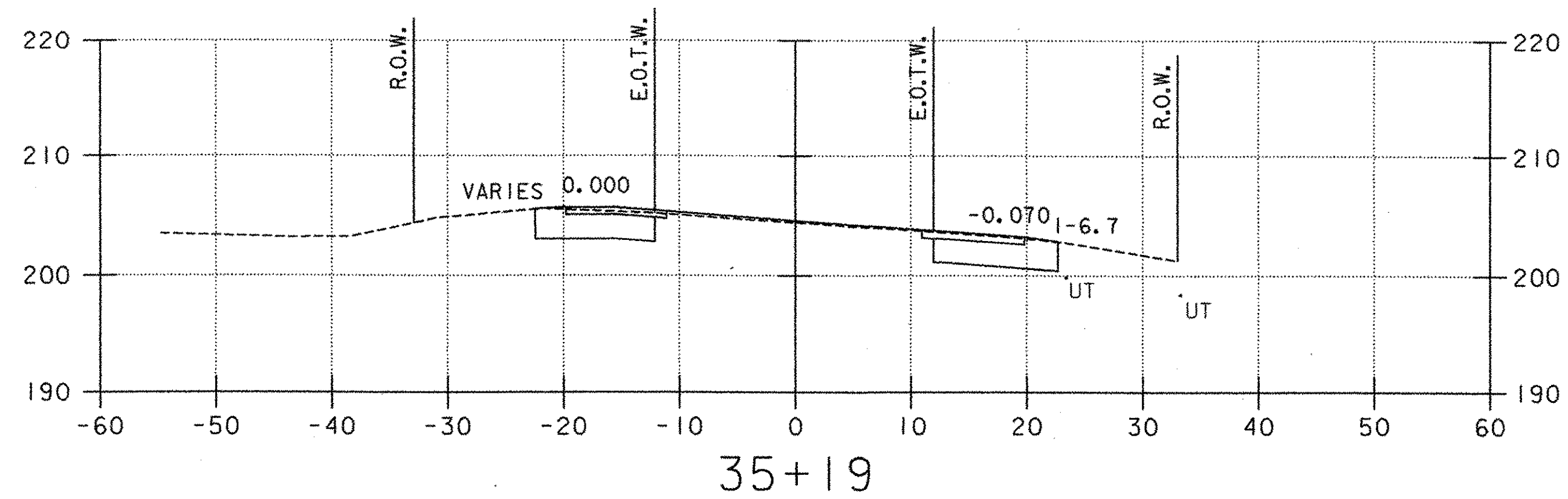
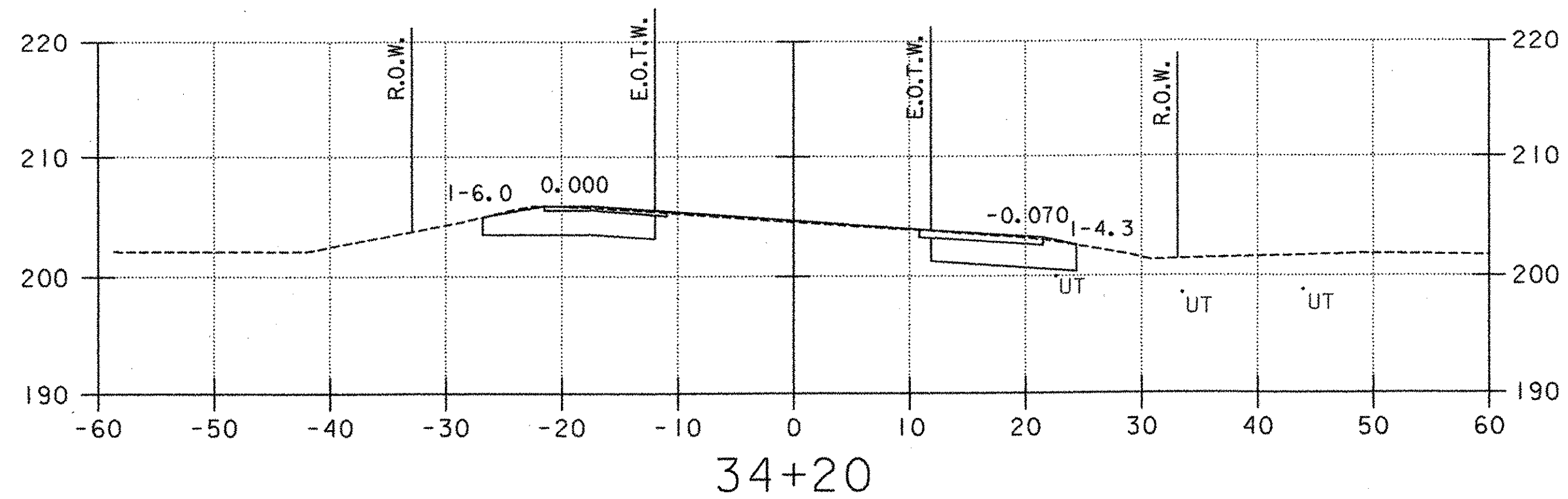


LEGEND

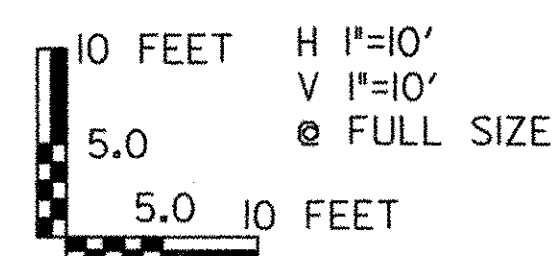
- (U4) PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
- (3) PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
- (A) PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
- UT EXISTING UNDERGROUND TELEPHONE
- W EXISTING WATER
- UD EXISTING UNDERDRAIN
- G EXISTING GAS



PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn PLOT DATE: 07/08/02
 PROJECT LEADER: CSP DRAWN BY: MAM
 DESIGNED BY: DH CHECKED BY: GAE
U.S. ROUTE 7 - CROSS SECTION SHEET 53 OF 56

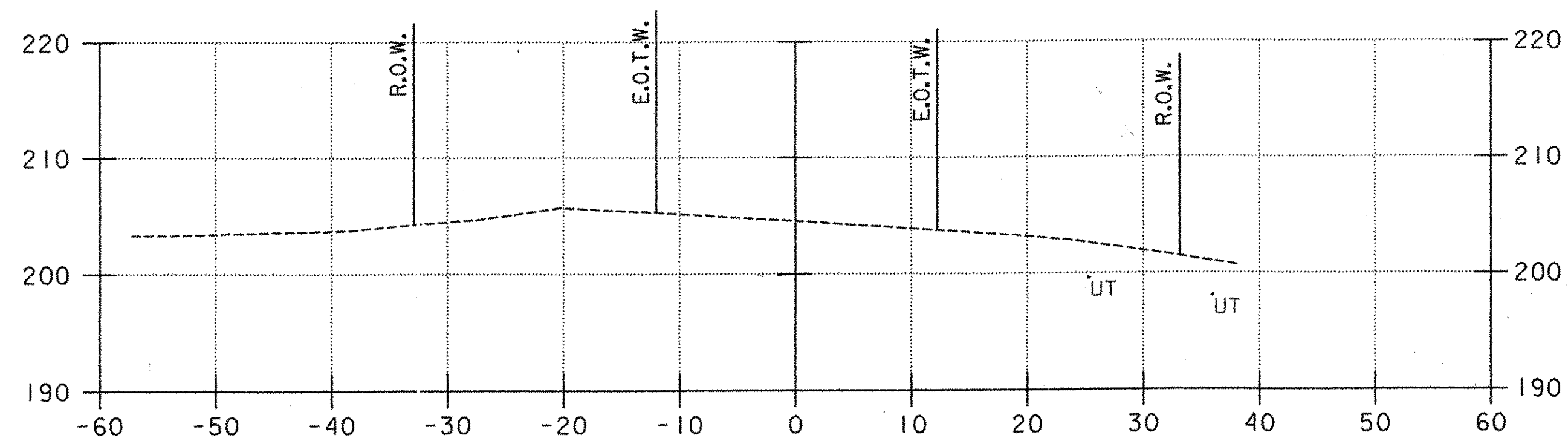


- LEGEND**
- (14) PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - (3) PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - (A) PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS



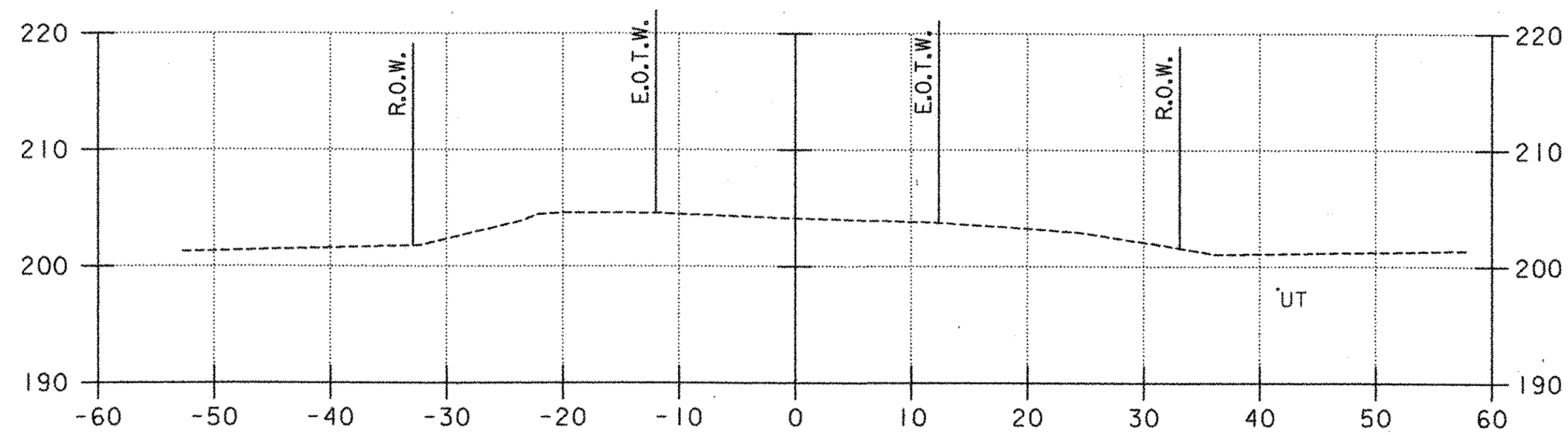
PROJECT NAME: COLCHESTER PARK-AND-RIDE
PROJECT NUMBER: CMG PARK(18)S
FILE NAME: zk062.xsl.dgn
PROJECT LEADER: CSP
DESIGNED BY: DH
U.S. ROUTE 7 - CROSS SECTION

PLOT DATE: 07/08/02
DRAWN BY: MAM
CHECKED BY: GAE
SHEET 54 OF 56

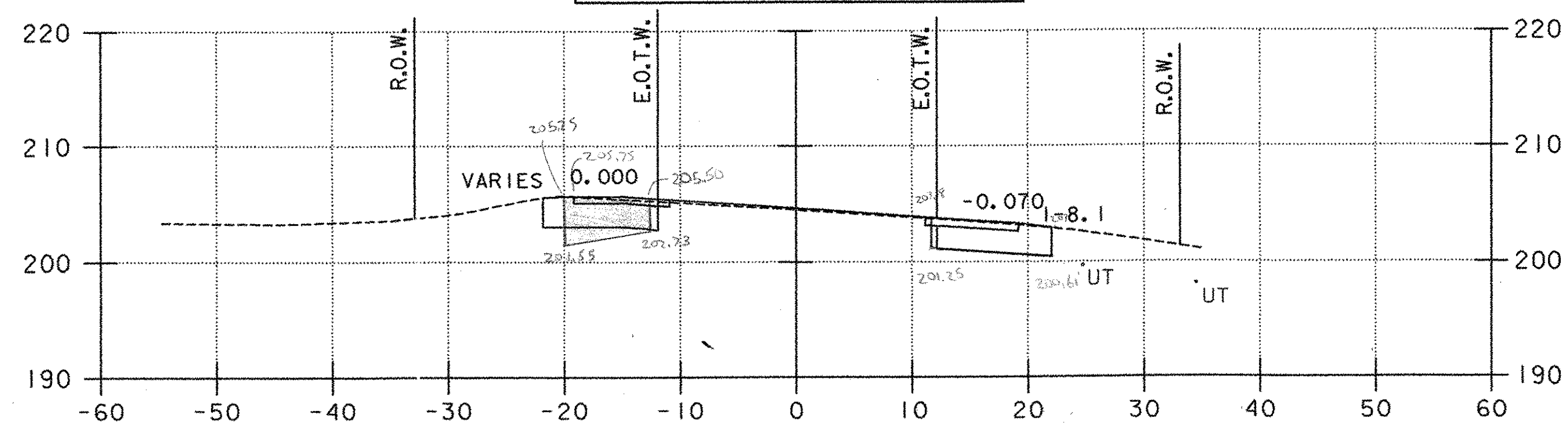


35+75

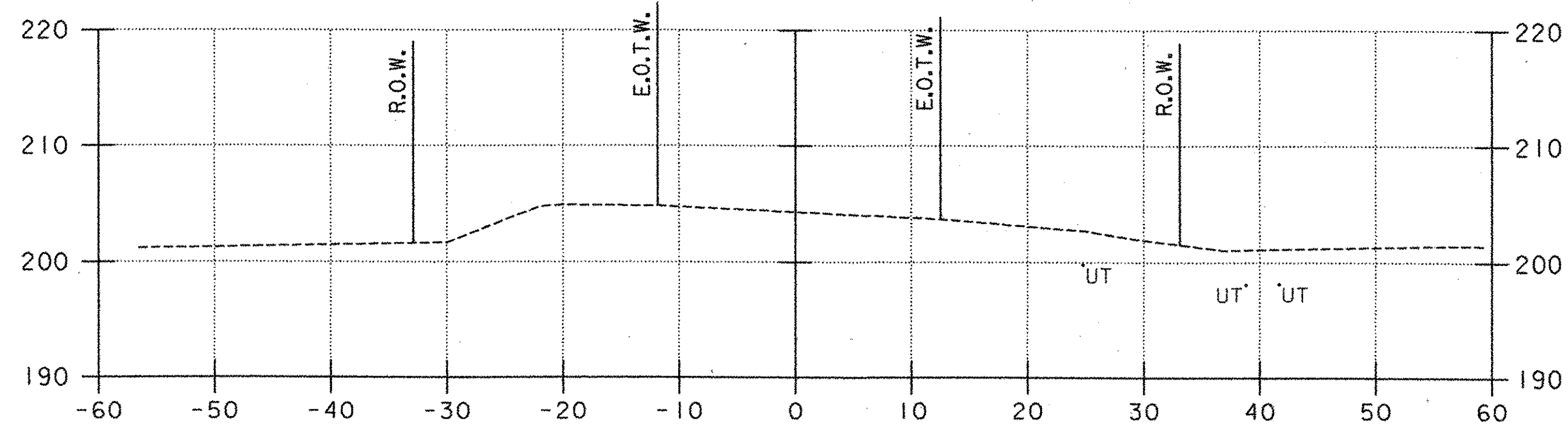
**U.S. ROUTE 7 STA. 35+50
END PROJECT CMG PARK(18)S
BEGIN APPROACH**



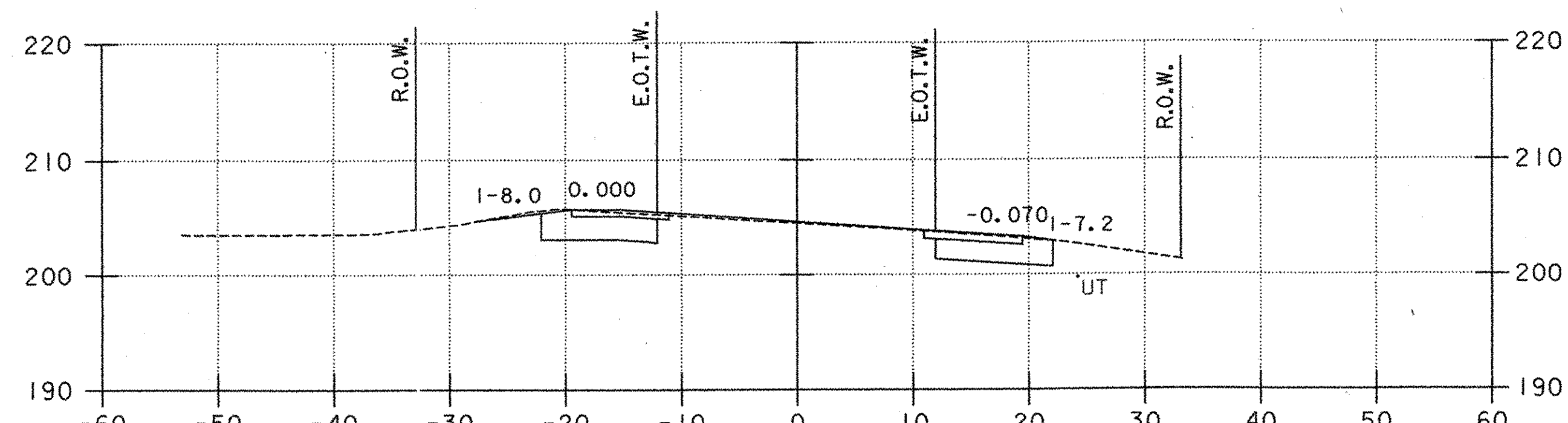
37+00



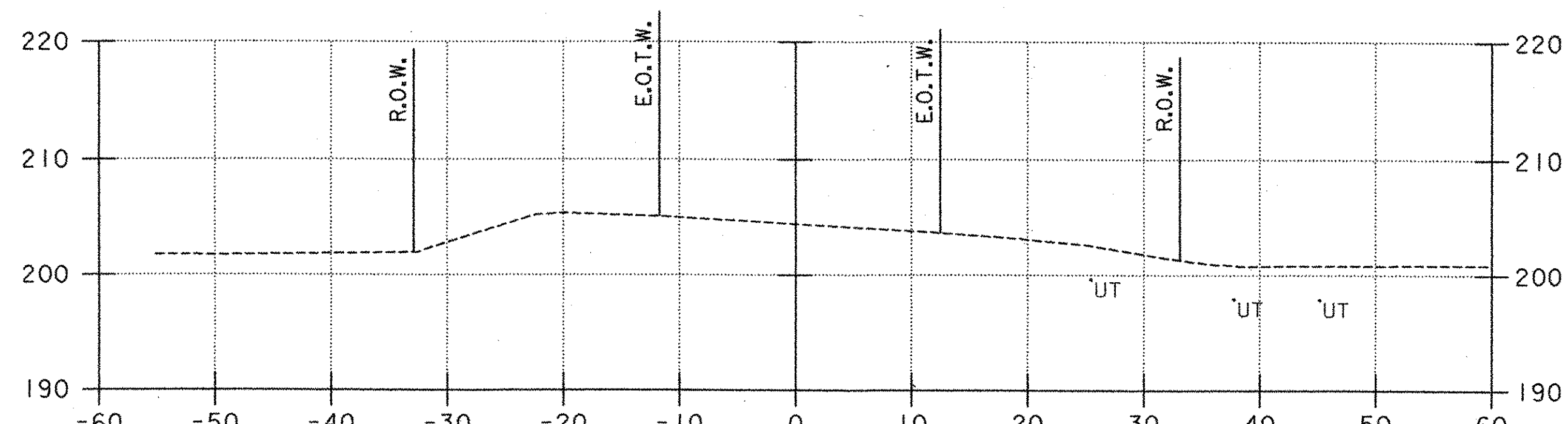
35+50



36+50

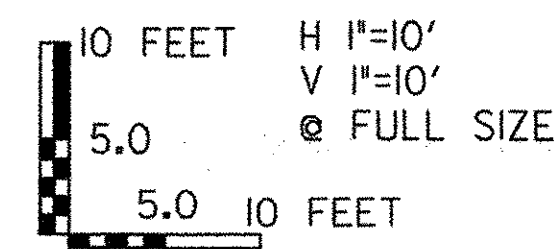


35+36



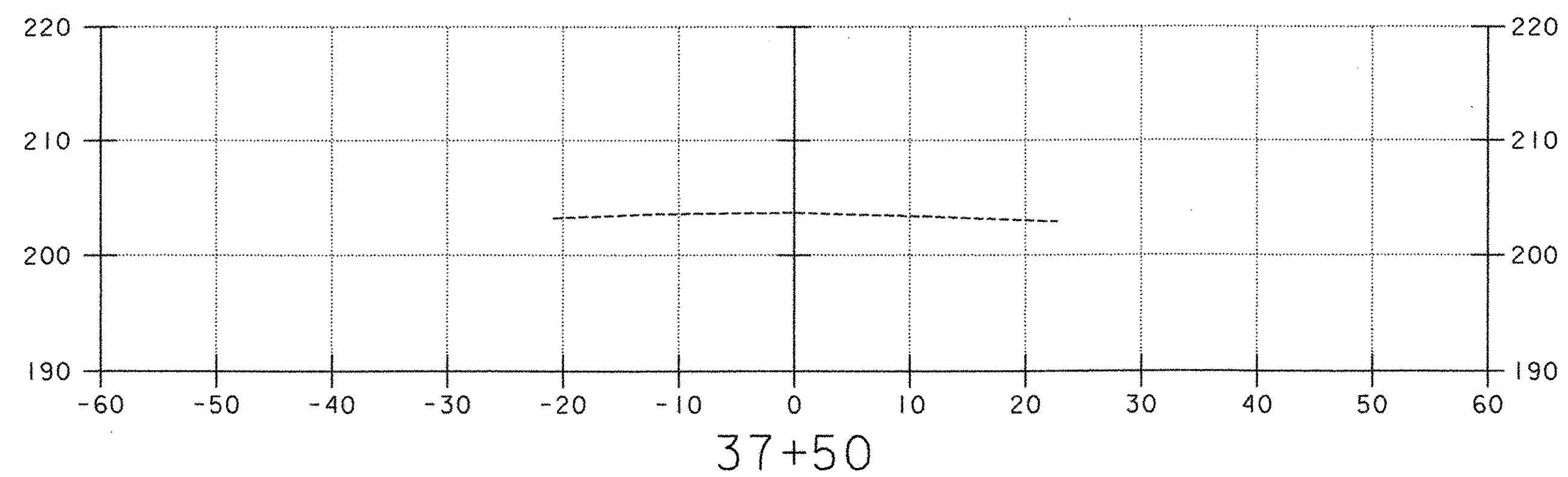
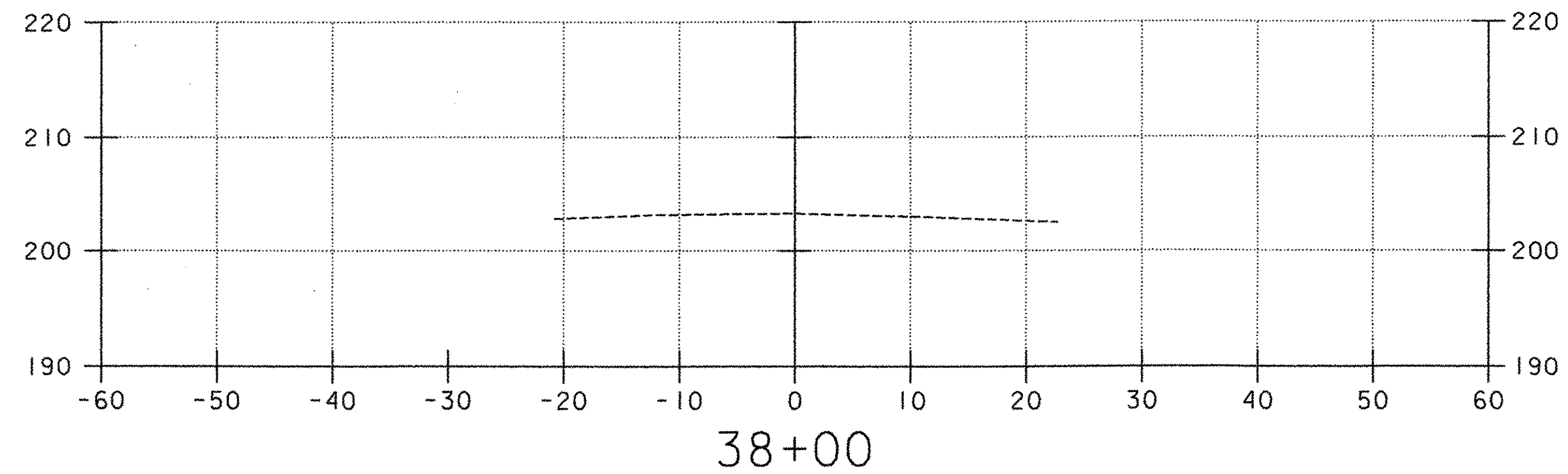
36+00

- LEGEND**
- ⓪ PROPOSED UNDERDRAIN (SEE DRAINAGE PLAN, SHEET 20)
 - ⓓ PROPOSED STORMWATER PIPE (SEE DRAINAGE PLAN, SHEET 20)
 - Ⓐ PROPOSED CONDUIT FOR LIGHTING (SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS

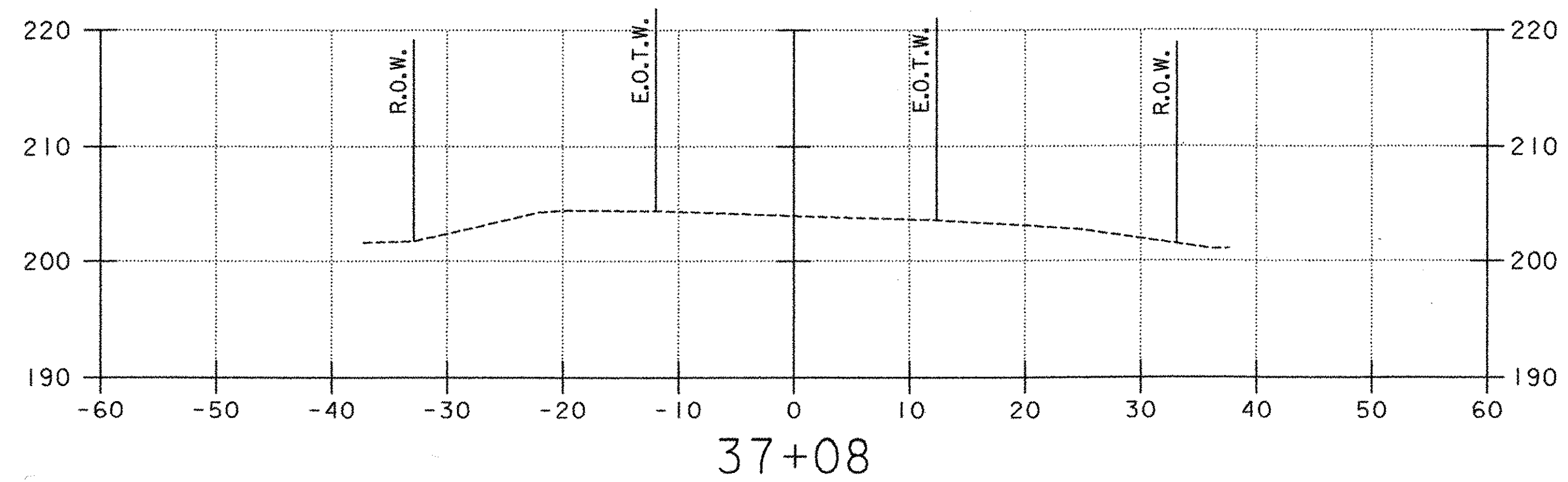


PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn
 PROJECT LEADER: CSP
 DESIGNED BY: DH
 U.S. ROUTE 7 - CROSS SECTION

PLOT DATE: 07/08/02
 DRAWN BY: MAM
 CHECKED BY: GAE
 SHEET 55 OF 56



**U.S. ROUTE 7 STA. 37+08
END APPROACH**



- LEGEND**
- ① PROPOSED UNDERDRAIN
(SEE DRAINAGE PLAN, SHEET 20)
 - ③ PROPOSED STORMWATER PIPE
(SEE DRAINAGE PLAN, SHEET 20)
 - Ⓐ PROPOSED CONDUIT FOR LIGHTING
(SEE LIGHTING PLAN, SHEET 31)
 - UT EXISTING UNDERGROUND TELEPHONE
 - W EXISTING WATER
 - UD EXISTING UNDERDRAIN
 - G EXISTING GAS

10 FEET H 1"=10'
 5.0 V 1"=10'
 5.0 @ FULL SIZE
 5.0 10 FEET



PROJECT NAME: COLCHESTER PARK-AND-RIDE
 PROJECT NUMBER: CMG PARK(18)S
 FILE NAME: zk062xsl.dgn
 PROJECT LEADER: CSP
 DESIGNED BY: DH
 U.S. ROUTE 7 - CROSS SECTION

PLOT DATE: 07/08/02
 DRAWN BY: MAM
 CHECKED BY: GAE
 SHEET 56 OF 56

139-367-SECTION-01 07/08/02 12:13:39 PM