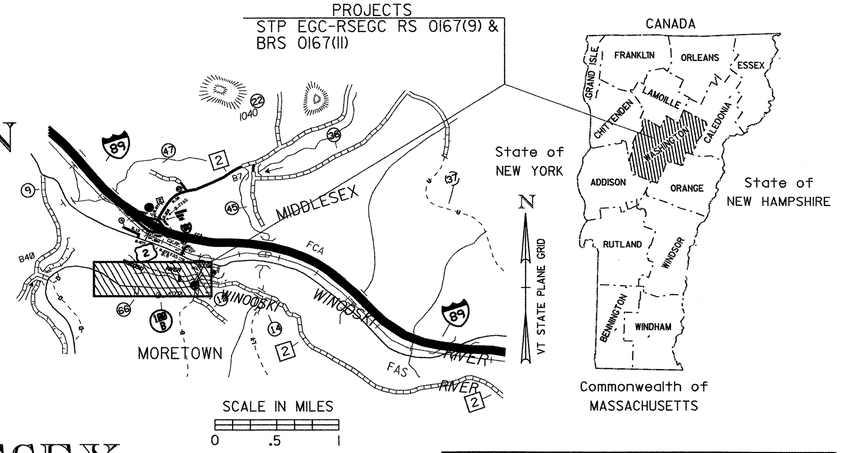
SEE SHEET #2

STATE OF VERMONT
AGENCY OF TRANSPORTATION



RECORD PLANS

CONTRACTOR: KINGSBURY CONSTRUCTION – WAITSFIELD, VT

RESIDENT ENGINEER: W. FLANDERS

CONSTRUCTION BEGAN: AUGUST 18, 2000

CONSTRUCTION COMPLETE: SEPTEMBER 11, 2002

RECORD PLANS BY: R. RICHERT

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

BY William R Flanders RESIDENT ENGINEER

DATE Feb 12, 2004

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

PROPOSED IMPROVEMENT
TOWNS OF MORETOWN & MIDDLESEX
COUNTY OF WASHINGTON
VT. ROUTE 100B
MAJOR COLLECTOR

PROJECT: MORETOWN STP EGC-RSEGC RS 0167(9)

BEGINNING AT A POINT 6.951 MILES EASTERLY OF THE INTERSECTION OF VT. 100 AND VT. 100 B IN MORETOWN AND EXTENDING EASTERLY 0.841 MILES.

LENGTH OF ROADWAY 4439.26 FEET = 0.841 MILES
LENGTH OF PROJECT 4439.26 FEET = 0.841 MILES

PROJECT CONSISTS OF RECONSTRUCTING VT 100B ON MINOR RELOCATION WITH NECESSARY APPROACHES AND CONNECTING WITH PROJECT MORETOWN-MIDDLESEX BRS 0167(11).

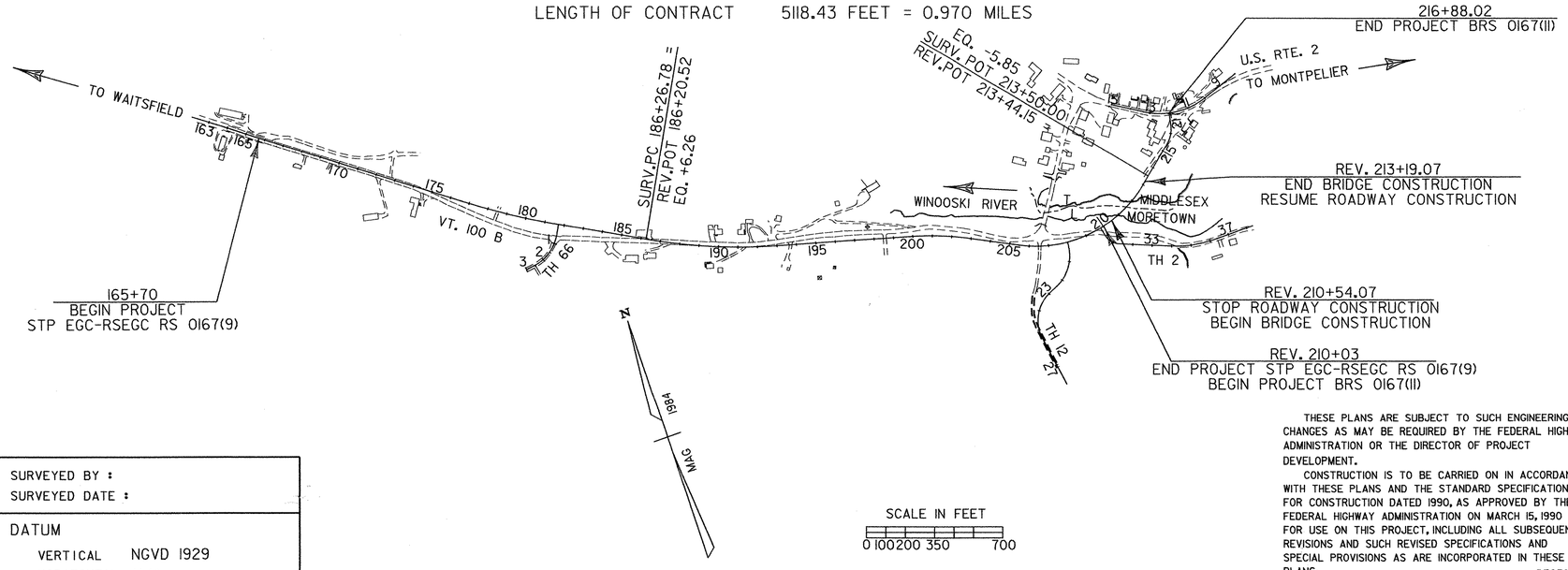
PROJECT: MORETOWN-MIDDLESEX BRS 0167(11)

BEGINNING AT A POINT 144 FEET WESTERLY OF THE MORETOWN-MIDDLESEX TOWN LINE AND EXTENDING EASTERLY 0.129 MILES TO THE INTERSECTION OF U.S. ROUTE 2.

LENGTH OF ROADWAY 414.17 FEET = 0.079 MILES
LENGTH OF BRIDGE 265.00 FEET = 0.050 MILES
LENGTH OF PROJECT 679.17 FEET = 0.129 MILES

PROJECT CONSISTS OF REPLACING THE EXISTING TEMPORARY BRIDGE #8 OVER THE WINOOSKI RIVER ON NEW ALIGNMENT WITH NECESSARY ROADWAY APPROACH CREATING A NEW INTERSECTION WITH U.S. ROUTE 2.

LENGTH OF CONTRACT 5118.43 FEET = 0.970 MILES



TRAFFIC DATA FOR VT. 100B :

2000	ADT	2900
	ADTT	150
	%T	3
	%D	54
2020	ADT	3900
	DHV	540
	ADTT	140
	%T	2
	%D	54

V=MORETOWN STP EGC-RSEGC RS 0167(9)
50 MPH (EXCEPT AS OTHERWISE NOTED*)

*35 MPH FROM STATION 205+00 TO THE END OF PROJECT MORETOWN-MIDDLESEX BRS 0167(11) AND 35 MPH ON U.S. RTE. 2 APPROACH

VT. 100 B : 18 KIP ESALS : 2000 - 2020 : 1,085,000
2000 - 2040 : 2,696,000

TRAFFIC DATA FOR U.S. 2 : MIDDLESEX S.H. TO VT. 100B:

2000	ADT	3700
	ADTT	480
	%T	6
	%D	58
2020	ADT	5100
	DHV	690
	ADTT	500
	%T	4
	%D	58

18 KIP ESALS : 2000 - 2020 : 2,491,000
2000 - 2040 : 6,088,000

TRAFFIC DATA FOR U.S. 2 : VT. 100B TO MONTPELIER T/L

2000	ADT	2600
	ADTT	300
	%T	5
	%D	56
2020	ADT	3500
	DHV	490
	ADTT	300
	%T	4
	%D	56

18 KIP ESALS : 2000 - 2020 : 1,411,000
2000 - 2040 : 3,387,000

CONVENTIONAL SYMBOLS

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

SURVEYED BY :
SURVEYED DATE :

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

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 1990, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON MARCH 15, 1990 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DE058TLE.I
09-MAY-2000 design/84e058/de058.dgn

DIRECTOR OF PROJECT DEVELOPMENT
APPROVED [signature] DATE 5/10/00

PROJECT MANAGER : G.H. DUBRAY

PROJECT NAME : MORETOWN-STP EGC-RSEGC RS 0167(9)
PROJECT NUMBER : MORETOWN-MIDDLESEX - BRS 0167(11)

SHEET 1 OF 243 SHEETS

INDEX OF SHEETS

1.	TITLE SHEET
2.	INDEX OF SHEETS
3-9.	QUANTITY SHEETS
	THE FOLLOWING SHEETS ARE FOR THE MORETOWN RS 0167(9) PROJECT:
10-11.	TYPICAL SECTIONS
12-15.	ITEM DETAIL AND DRAINAGE SHEETS
16-18.	EARTHWORK SHEETS
19.	BLANK
20-34.	R.O.W. SHEETS
35-39	BLANK
40-45.	PLAN AND PROFILE SHEETS
46.	BORING SHEET
47-53.	TRAFFIC DESIGN SHEETS
54-64.	EROSION CONTROL SHEETS
65.	CROSS SECTIONS FOR DRIVE AT 180+00 LT.
66.	SKEWED SECTION FOR 60'' CULVERT @ MAINLINE 192+32
67-68.	CHANNEL\ HEADWALL DETAILS OF THE 60" CULVERT @ 192+32
69.	BLANK
70-72.	LANDSCAPING DETAILS
73-117.	MAINLINE CROSS SECTIONS
118-127.	TOWN HIGHWAY 2 CROSS SECTIONS
128-132.	TOWN HIGHWAY 12 CROSS SECTIONS
133-136.	TOWN HIGHWAY 66 CROSS SECTIONS
137-145V.	BRIDGE 300 SERIES : SOIL NAIL RETAINING WALL
	THE FOLLOWING SHEETS ARE FOR THE MORETOWN-MIDDLESEX BRS 0167(11) PROJECT:
146.	TYPICAL SECTION FOR MAINLINE
147.	TYPICAL SECTION FOR U.S. ROUTE 2
148.	ITEM DETAIL AND DRAINAGE SHEET
149.	EARTHWORKS SHEET
150-156.	R.O.W. SHEETS
157-161.	BLANK
162-166.	PLAN AND PROFILE SHEETS
167.	BLANK
168-177.	TRAFFIC DESIGN SHEETS
178-182.	EROSION CONTROL SHEETS
183.	BARRIER FOR WATERLINE / VT. 100 B
184-186.	SEWAGE DISPOSAL SYSTEM DETAILS
187-216B.	BRIDGE 100 SERIES: VT. 100B OVER THE WINOOSKI RIVER
217-224.	CHANNEL LINE CROSS SECTIONS
225-228F.	BRIDGE 200 SERIES : WATER LINE OVER THE WINOOSKI RIVER
229-229C.	LANDSCAPING DETAILS
230-234.	MAINLINE CROSS SECTIONS
235-243.	U.S. ROUTE 2 CROSS SECTIONS

A-61	SLOPES IN SOLID ROCK EXCAV. (UNDER 50MPH)	06-01-94
B-1	BANKING TABLES	06-01-94
B-5	SLOPE GRADING, EMBANKMENTS, MUCK	06-01-94
B-11	UNDERDRAIN - ROCK SUBGRADE, SLOPE STABILIZ.	06-01-94
B-17	GUARD RAIL, BRIDGES, REST AREA, TURNOUTS	02-23-95
B-71	RESIDENTIAL AND COMMERCIAL DRIVES	03-10-95
C-1	CURBS, BITUMINOUS CONCRETE SIDEWALKS GRANITE SLOPE EDGING VERTICAL GRANITE CURB PRECAST REINFORCED CONCRETE CURB CAST IN PLACE CONCRETE CURB BITUMINOUS CONCRETE CURB TREATED TIMBER CURB	01-03-00
D-1	PRECAST RCP DROP INLET REINFORCED CONCRETE PIPE D.I. W/ CAST IRON GRATE REINFORCED CONCRETE PIPE D.I. W/ CONCRETE COVER	06-01-94
D-2	C.R.M. HEADWALLS, UNDERDRAIN C.R.M. HEADWALLS & RETAINING WALLS RIPRAP LIGHT TYPE SLOPE HEADWALL REINFORCED CONCRETE HEADWALL UNDERDRAIN & CARRIER PIPE CONSTRUCTION DETAILS	06-01-94
D-3	TREATED GUTTERS	06-01-94
D-4	FLUSHING BASINS, END SECTION, ELBOWS TYPICAL WATERFALL FOR CULVERTS UP TO AND INCLUDING 48'' DIA. EXTENSION SERVICE BOX AND CURB STOP CORRUGATED PIPE ELBOW GRANULAR BORROW AT CULVERT LOCATIONS UNDERDRAIN FLUSHING BASIN CORRUGATED STEEL PIPE END SECTION CORRUGATED STEEL PIPE ARCH END SECTION	06-01-94
D-6	REINFORCED CONCRETE DROP INLET WITH GRATE FOR USE IN DITCHES	06-01-94
D-8	REINFORCED CONCRETE DROP INLET WITH PRECAST COVER & GRATE (BOTTOM SECTION) SEE SHEETS D-9,10,11 FOR TOP SECTION	01-03-00
D-10	REINFORCED CONCRETE DROP INLET TOPS BITUMINOUS CONCRETE CURB & GRANITE SLOPE EDGING	06-01-94
D-11	GRATES & COVERS (TYPE A)	06-01-94
D-15	PRECAST REINF. CONC. MH-GRATES (BICYCLE SAFE) CAST IRON GRATE WITH FRAME, TYPE D CAST IRON GRATE WITH FRAME, TYPE E	06-01-94
D-16	PRECAST CURB DI, GRATE, RCP END SECTION, ETC. CAST IRON GRATE, TYPE B CAST IRON GRATE, TYPE C UNDERDRAIN RISER REINFORCED CONCRETE PIPE END SECTION ENERGY DISSIPATOR FOR CULVERT	06-01-94
D-20	HIGHWAY CROSSING FOR UNDERGROUND UTILITIES	03-10-95
D-22	SANITARY SEWER SYSTEMS	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-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-109	TRAFFIC CONTROL DEVICES FOR TEMPORARY TERMINATION OF FREEWAY FACILITIES	08-08-95
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	08-08-95
E-123	GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS	08-08-95
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E-125	TRAVEL INFORMATION SIGNS	08-08-95
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E-128A	VILLAGE SIGNS A - M	08-08-95
E-131	GUIDE SIGN DETAILS	08-08-95
E-132	GENERAL MOTORIST SERVICE SIGN DETAILS	08-18-95
E-133	SERVICE SIGN DETAILS	08-08-95
E-134	BRIDGE NUMBER PLAQUE	08-08-95
E-135	INTERSTATE ROUTE MARKER SIGN DETAILS	08-18-95
E-136A	U.S. ROUTE MARKER SIGN DETAILS	08-08-95
E-136B	STATE ROUTE MARKER SIGN DETAILS	08-08-95
E-136C	STATE NUMBERED TOWN HIGHWAY SIGN DETAILS	08-08-95
E-138	MILEMARKER DETAILS STATE & TOWN HIGHWAYS	08-08-95
E-140	REGULATORY SIGN DETAILS	08-30-96
E-141	REGULATORY SIGN DETAILS	09-20-95
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	12-23-94
E-145B	REGULATORY SIGN DETAILS	12-23-94
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E-150	WARNING SIGN DETAILS	01-15-97
E-151	WARNING SIGN DETAILS	08-08-95
E-152	WARNING SIGN DETAILS	08-08-95
E-153	WARNING SIGN DETAILS	01-15-97
E-154	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-162	TUBULAR ALUMINUM SIGN POST	05-20-99
E-173	PULL BOXES AND JUNCTION BOXES	08-09-95
E-180A	STREET LIGHTING DETAILS	08-09-95
E-180B	STREET LIGHTING DETAILS	08-09-95
E-181	TYPICAL BRIDGE MOUNTING DETAILS FOR STREET LIGHT POLE	08-09-95
E-191	PAVEMENT MARKING DETAILS	02-01-99
E-192	PAVEMENT MARKING DETAILS	12-28-98
E-193	PAVEMENT MARKING DETAILS	08-18-95
E-197	DELINEATOR PLACEMENT TYPICAL	08-18-95
E-198	DELINEATORS AND MILEPOSTS	04-14-97
E-199	DELINEATOR AND MILEPOST MOUNTING ON BRIDGE RAIL	08-18-95
F-1	WOVEN WIRE FENCE WITH WOOD POSTS WITH STEEL POSTS WOOD BRACE FOR WOVEN WIRE FENCE STEEL BRACE FOR WOVEN WIRE FENCE DRIVE GATE FOR WOVEN WIRE FENCE WALK GATE FOR WOVEN WIRE FENCE	06-01-94
F-2	CHAIN LINK FENCE, TYPE I DRIVE GATE FOR CHAIN LINK FENCE, TYPE I WALK GATE FOR CHAIN LINK FENCE, TYPE I	06-01-94
F-4	CHAIN LINK FENCE, TYPE II DRIVE GATE FOR CHAIN LINK FENCE, TYPE II WALK GATE FOR CHAIN LINK FENCE, TYPE II	06-01-94
G-1	STEEL BEAM GUARDRAIL (50MPH & OVER) HEAVY DUTY STEEL BEAM GUARDRAIL TWISTED END TERMINAL ANCHOR FOR STEEL BEAM RAIL	01-03-00
G-1D	STEEL BEAM GUARDRAIL (40MPH & LESS) HEAVY DUTY STEEL BEAM GUARDRAIL STEEL BEAM MEDIAN BARRIER ANCHOR FOR STEEL BEAM RAIL	01-03-00
G-4	MARKERS - GUIDE POSTS - PLANK GUARD RAIL PLANK RAIL GUIDE POSTS WOOD MARKER POSTS STEEL MARKER POSTS	06-01-94
G-17A	MODIFIED ECCENTRIC LOADER TERMINAL (MELT)	01-18-96
G-17B	MODIFIED ECCENTRIC LOADER TERMINAL (MELT)	06-30-95
G-18	PRECAST CONCRETE TEMPORARY TRAFFIC BARRIER	06-01-94
J-1	PROJECT AND BOUNDARY MARKERS	06-01-94
J-3	MAILBOX SUPPORT DETAIL (SINGLE AND MULTIPLE SUPPORT)	08-07-95
L-1	SETTLEMENT PLATFORM, TYPE I AND TYPE II	03-09-95
L-2	GEOTECHNICAL INSTRUMENTATION	07-24-95
L-3	PIEZOMETERS TYPE III (AIR ACTUATED)	03-09-95
T-1	TEMPORARY EROSION CONTROL DETAILS	06-01-94
T-2	TEMPORARY EROSION CONTROL DETAILS	06-01-94

DATUM

VERTICAL _____

HORIZONTAL _____

SURVEYED BY NYC DATE _____

DRAWN BY SQUADB DATE 2/93

SQUAD LEADER DELLA SANTA

DESIGN FILE NO. /SQDB/78E132/DE132.DGN

IPARM FILE DE132IND DATE PLOTTED 31-MAY-2000

PROJ. NAME MORETOWN & MORETOWN-MIDDLESEX

PROJ. NO. RS 0167(9) & BRS 0167(11)

QUANTITY SHEET

APPROXIMATE SUMMARY OF QUANTITIES

STATE OF VERMONT
AGENCY OF TRANSPORTATION

MORETOWN STP EGC-RSEGC RS 0167(9)								MORETOWN - MIDDLESEX BRS 0167(11)										MORETOWN STP EGC-RSEGC RS 0167(9) AND MORETOWN - MIDDLESEX BRS 0167(11)				MORETOWN STP EGC-RSEGC RS 0167(9) DETAILED SUMMARY OF QUANTITIES			MORETOWN - MIDDLESEX BRS 0167(11) DETAILED SUMMARY OF QUANTITIES		
TRAIN-ING	LAND-SCAPING	R.O.W.	FULL E+C ITEMS	BRIDGE 300 SERIES	EROSION CONTROL	ROADWAY	TOTALS	TRAIN-ING	LAND-SCAPING	R.O.W.	UTILIT.	FULL E+C ITEMS	EROSION CONTROL	BRIDGE 100 SERIES	BRIDGE 200 SERIES	ROADWAY	TOTALS	GRAND TOTALS	UNIT	ITEMS	ITEM NO.	ROUND-ING	QUANTITIES	UNIT	ITEMS	QUANTITIES	UNIT	ITEMS
						0.83	0.83									0.17	0.17	1	LS	CLEARING AND GRUBBING (INCL. INDIVIDUAL TREES AND STUMPS)	201.10				COMMON EXCAVATION			COMMON EXCAVATION
						.17													AC	CLEARING AND GRUBBING	201.11		52789	CY	MAINLINE	530	CY	MAINLINE
					74.21	81000	81000									3600	3600	84600	CY	COMMON EXCAVATION	203.15		1285	CY	DRIVES	2004	CY	U.S. ROUTE 2 APPROACH
					8904	7600	7600									450	450	8050	CY	SOLID ROCK EXCAVATION	203.16	115	4311	CY	TH 2	107	CY	DRIVES
						38													CY	SOLID ROCK EXCAVATION (MODIFIED)			11173	CY	TH 12	892	CY	UNDERCUT FOR EST. SAND
						32 75	75							150			150	225	CY	UNCLASSIFIED CHANNEL EXCAVATION	203.27	3	98	CY	TH 66			BORROW (U.S. 2 & ML)
						128 500	500									50	50	550	CY	EXCAVATION OF SURFACES & PAVEMENT	203.28	34	166	CY	REMOVAL OF PAVEMENT	67	CY	ROUNDING
						954													CY	MUCK EXCAVATION	203.20				0'-2' BELOW SUBGRADE	3600	CY	TOTAL
					0	2500	2500									50	50	2550	CY	EARTH BORROW	203.30	224	6437	CY	UNDERCUT FOR EST.			
					7643	15700	15700									2500	2500	18200	CY	SAND BORROW	203.31				SAND BORROW (ML & TH'S)			
						914													CY	SAND BORROW (MODIFICATION # 1)	203.31		248	CY	CUT TO FILL TRANSITIONS			SAND BORROW
					1783	605	605									1350	1350	1955	CY	GRANULAR BORROW	203.32	58	1076	CY	FROM DRAINAGE SHEET :			
														40			40	40	CY	GRANULAR BORROW, (UNFACTORED)	203.32				SPECIAL DITCHES	742	CY	MAINLINE (DESIGNED)
																							2630	CY	BRIDGE 300 SERIES	281	CY	MAINLINE (ESTIMATED)
					38.89	38000	38000									10250	10250	48250	SY	FINE GRADING-SUBGRADE	203.40				(RETAINING WALL)	718	CY	U.S. 2 APPROACH
																							787	CY	ROUNDING			(DESIGNED)
					0 85	4834650	4735						22		20	1300	1342	6077	CY	TRENCH EXCAVATION OF EARTH	204.20		81000	CY	TOTAL	711	CY	U.S. 2 APPROACH
						1154 750	750									40	40	790	CY	TRENCH EXCAVATION OF ROCK	204.21	3						(ESTIMATED)
																									SOLID ROCK EXCAVATION	48	CY	ROUNDING
						446 1400	1400							200			200	1600	CY	STRUCTURE EXCAVATION	204.25	14				2500	CY	TOTAL
																							4303	CY	MAINLINE			
						215 250	250							240	10		250	510	CY	GRANULAR BACKFILL FOR STRUCTURES	204.30	41	2830	CY	TH 2			
																							158	CY	TH 12			FINE GRADING -
														1			1	1	LS	COFFERDAM (STA. 210+56)	204.40		280	CY	OVERBREAKAGE (MAINLINE			SUBGRADE
														1			1	1	LS	COFFERDAM (STA. 211+96)	204.40				& TH 2)			
																			LF	DRILLING & BLASTING OF SOLID ROCK (MOD)	205.10		29	CY	ROUNDING	5203	SY	MAINLINE
					4087.7	985 3233	3233									372	372	3605	SY	DRILLING AND BLASTING OF SOLID ROCK SUBGRADE	205.20	3	7600	CY	TOTAL	4278	SY	U.S. ROUTE 2 APPROACH
																										737	SY	DRIVES
						139.10													SY	DRILL & BLAST OF SOLID ROCK SUB (MOD)	205.20				SAND BORROW	32	SY	ROUNDING
					593.2	350	350									575	575	925	SY	COLD PLANING-BIT. PAVEMENT	210.10	33				10250	SY	TOTAL
																							8953	CY	MAINLINE (DESIGNED)			
					2839	2800	2800									200	200	3000	SY	SCARIFYING PAVEMENT	212.20	275	4732	CY	MAINLINE (ESTIMATED)			
																							975	CY	TH 2 (ESTIMATED)			
						411 600	600									20	20	620	CY	SUBBASE OF CRUSHED GRAVEL (FINE GRADED)	301.26	6	630	CY	TH 12 (ESTIMATED)			
																							100	CY	TH 66 (ESTIMATED)			TRENCH EXCAVATION
																							176	CY	3'' LAYER OVER			OF EARTH
						23.910	10											10	CY	SUBBASE OF CRUSHED GRAVEL (FINE GRADED)(MODIFIED) (CRUSHED SLATE)	301.26	1			SHATTERED ROCK			
																							134	CY	ROUNDING	1024	CY	DRAINAGE SHEET
																							15700	CY	TOTAL	100	CY	DESIGNED UNDERDRAIN
																										130	CY	ESTIMATED UNDERDRAIN & CARRIER PIPE
					20923.6	20100	20100									3300	3300	23400	CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35				FINE GRADING - SUBGRADE	46	CY	ROUNDING
																										1300	CY	TOTAL
					103.22	42	42									12	12	54	CWT	EMULSIFIED ASPHALT	404.65							
																							28743	SY	MAINLINE			
					7435.75	6400	6400									1750	1750	8150	TON	BITUMINOUS CONCRETE PAVEMENT	406.25		2816	SY	DRIVES AND PARKING			SUBBASE OF DENSE
						406.16													TON	(PG 58-34) (NON PARTICIPATION)	406.25				AREAS			GRADED CRUSHED STONE
					-624	1.98 0.5	0.5									0.5	0.5	1	LU	PRICE ADJUST. ASPHALT CEMENT(NABI)	406.50		3306	SY	TH 2			
														362			362	362	CY	CONCRETE, CLASS A	501.22		2055	SY	TH 12	50	CY	EXTRA DEPTH AT BRIDGE
					25.93	80	80							826	3	40	869	949	CY	CONCRETE, CLASS B	501.25	0.8	945	SY	TH 66			APPROACH
																							135	SY	ROUNDING	1100	CY	MAINLINE
														44			44	44	CY	SILICA FUME CONCRETE	501.60		38000	SY	TOTAL	1289	CY	U.S. ROUTE 2 APPROACH
																										229	CY	DRIVES
														1			1	1	LS	FURNISHING EQUIPMENT FOR DRIVING PILING	504.10							AREAS BEHIND THE CURB
																									TRENCH EXCAVATION			(U.S. 2 AND ML)
																									OF EARTH	5	CY	ROUNDING
														500			500	500	LF	STEEL PILING (HP 12 X 53)	505.15					3300	CY	TOTAL
																							71	CY	TEST TRENCHES			
														543830			543830	543830	LB	STRUCTURAL STEEL (PLATE GIRDER)	506.55		2586	CY	DRAINAGE SHEET			
																							1221	CY	DESIGNED UNDERDRAIN			
					2219	6850	6850							102700	280	3150	106130	112980	LB	REINFORCING STEEL	507.15	27			AND CARRIER PIPE			
																							750	CY	ESTIMATED UNDERDRAIN			
														635	75		710	710	LF	DRILLING AND GROUTING DOWELS	507.16				AND CARRIER PIPE			
																							22	CY	ROUNDING			
														116200			116200	116200	LB	EPOXY COATED REINFORCING STEEL	507.17		4650	CY	TOTAL			
														1			1	1	LS	SHEAR CONNECTORS (2472-7/8'' X 7'' LONG)	508.15							
														1			1	1	LS	STRUCTURAL PAINTING, SHOP APPLIED (57 TONS)	513.25							
														1			1	1	LS	SURFACE PREPARATION	513.40							
														41			41	41	GAL	WATER REPELLANT	514.10							

SQUAD LEADER DELLA SANTA

DESIGN FILE NO. /SQDB/78EI32/DEI32.DGN

IPARM FILE DEI32QI.I DATE PLOTTED 31-MAY-2000

MORETOWN RS 0167(9) AND MORETOWN-MIDDLESEX BRS 0167(11)

QUANTITY SHEET

APPROXIMATE SUMMARY OF QUANTITIES

STATE OF VERMONT
AGENCY OF TRANSPORTATION

MORETOWN STP EGC-RSEGC RS 0167(9)								MORETOWN - MIDDLESEX BRS 0167(11)										MORETOWN STP EGC-RSEGC RS 0167(9) AND MORETOWN - MIDDLESEX BRS 0167(11)				
TRAIN-ING	LAND-SCAPING	R.O.W.	FULL E+C ITEMS	BRIDGE 300 SERIES	EROSION CONTROL	ROADWAY	TOTALS	TRAIN-ING	LAND-SCAPING	R.O.W.	UTILIT.	FULL E+C ITEMS	EROSION CONTROL	BRIDGE 100 SERIES	BRIDGE 200 SERIES	ROADWAY	TOTALS	GRAND TOTALS	UNIT	ITEMS	ITEM NO.	ROUND-ING
														80			80	80	LF	BRIDGE EXPANSION JOINT	516.10	
														1140			1140	1140	SY	SHEET MEMBRANE WATERPROOFING	519.20	
															161		161	161	SY	SHEET MEMBRANE WATERPROOFING(MOD.)	519.20	
														599			599	599	LF	BRIDGE RAILING-ALUMINUM PEDESTRIAN (MOD)	525.23	
															1		1	1	EA	PARTIAL REMOVAL OF STRUCTURE	529.20	
														15			15	15	EA	BEARING DEVICE ASSEMBLY (POT BEARING)	531.10	
				1															LS	EXTRA WORK ORDER # 10	900.10	
			0 30405				30405											30405	LF	PERMANENT SOIL NAILS, FULLY ENCAPSULATED	535.15	
				29254.5																		
				9			9											9	EA	VERIFICATION NAILS	535.20	
			9034	9300			9300											9300	CY	STRUCTURE EXCAVATION - SOIL NAIL WALL	535.25	
				16122			16122											16122	SF	PERMANENT SHOTCRETE FACING	535.35	
			14693	13545			13545											13545	SF	TIMBER FACING	535.40	
				1															LS	EXTRA WORK ORDER # 17	900.17	
						60 58	58									35 ON ESTIMATE		58	LF	18'' CSP .064 (2-2/3X1/2)	601.0015	
																32	32	32	LF	30'' RCP CL III (MOD)	601.0835	
						8	8											8	LF	18'' CPEP(SL) (RDWY ITEM SHT 138)	601.2615	
																				** BEGIN OPTION ITEMS **		
						48 40	40											40	LF	12'' CSP .064 (2-2/3X1/2)	601.0005	
						40	40											40	LF	12'' CAAP .060 (2-2/3X1/2)	601.0205	
						735 494	494											494	LF	15'' CSP .064 (2-2/3X1/2)	601.0010	
						494	494											494	LF	15'' RCP CL III	601.0810	
						494	494											494	LF	15'' CPEP (SL)	601.2610	
						0 212	212											212	LF	15'' PCCSP .064 (2-2/3X1/2)	601.0410	
						212	212											212	LF	15'' CAAP .060 (2-2/3X1/2)	601.0210	
						212	212											212	LF	15'' CPEP	601.0910	
																642	642	642	LF	18'' RCP CLASS III	601.0815	
																642	642	642	LF	18'' CPEP (SL)	601.2615	
						180 146	146									58	58	204	LF	18'' CSP .064 (2-2/3X1/2)	601.0015	
						146	146									58	58	204	LF	18'' CPEP (SL)	601.2615	
						512	512									218	218	730	LF	18'' CAAP .060 (2-2/3X1/2)	601.0215	
						557 512	512									218	218	730	LF	18'' PCCSP .064 (2-2/3X1/2)	601.0415	
						512	512									218	218	730	LF	18'' CPEP (SL)	601.2615	
						60 56	56											56	LF	18'' CSP .064 (2-2/3X1/2)	601.0015	
						56	56											56	LF	18'' CAAP .060 (2-2/3X1/2)	601.0215	
						410	410											410	LF	18'' CAAP .060 (2-2/3X1/2)	601.0215	
						367 410	410											410	LF	18'' CSP .064 (2-2/3X1/2)	601.0015	
						410	410											410	LF	18'' CPEP	601.0915	
						48	48											48	LF	18'' RCP CL III	601.0815	
						55 48	48											48	LF	18'' CSP .064 (2-2/3X1/2)	601.0015	
						48	48											48	LF	18'' CPEP	601.0915	
						350 404	404											404	LF	18'' PCCSP .064 (2-2/3X1/2)	601.0415	
						404	404											404	LF	18'' CAAP .060 (2-2/3X1/2)	601.0215	
						404	404											404	LF	18'' CPEP	601.0915	
																304	304	304	LF	18'' CAAP .060 (2-2/3X1/2)	601.0215	
																304	304	304	LF	18'' PCCSP .064 (2-2/3X1/2)	601.0415	
																304	304	304	LF	18'' RCP CLASS III	601.0815	
																304	304	304	LF	18'' CPEP (SL)	601.2615	
						144	144											144	LF	24'' CAAP .060 (2-2/3X1/2)	601.0225	
						13 144	144											144	LF	24'' PCCSP .064 (2-2/3X1/2)	601.0425	
						144	144											144	LF	24'' CPEP	601.0920	
						316	316											316	LF	24'' CAAP .060 (2-2/3X1/2)	601.0225	
						307 316	316											316	LF	24'' PCCSP .064 (2-2/3X1/2)	601.0425	
						316	316											316	LF	24'' CPEP (SL)	601.2620	

MORETOWN STP EGC-RSEGC RS 0167(9) DETAILED SUMMARY OF QUANTITIES			MORETOWN - MIDDLESEX BRS 0167(11) DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS	QUANTITIES	UNIT	ITEMS
		TRENCH EXCAVATION			
		OF ROCK			BITUMINOUS CONCRETE
					PAVEMENT
289	CY	DRAINAGE SHEET			
439	CY	DESIGNED UNDERDRAIN	321	TON	M/L (TYPE I BASE)
		AND CARRIER PIPE	223	TON	M/L (TYPE II BINDER)
5	CY	EST. UNDERDRAIN & C.P.	168	TON	M/L (TYPE III WEARING)
17	CY	ROUNDING	297	TON	U.S.2(TYPE I BASE)
750	CY	TOTAL	198	TON	U.S.2(TYPE II BINDER)
			200	TON	U.S.2(TYPE III WEARING)
		SUBBASE OF CRUSHED	34	TON	DRIVES
		GRAVEL (FINE GRADED)	155	TON	ROADWAY QUANTITY
					(FROM BRIDGE SHEET)
212	CY	DRIVES	105	TON	CHURCH ST.(FORMER VT.
197	CY	TH 2			100 B)(TYPE III WEARING
111	CY	TH 12	49	TON	ROUNDING
47	CY	TH 66	1750	TON	TOTAL
33	CY	ROUNDING			
600	CY	TOTAL			
		SUBBASE OF DENSE			
		GRADED CRUSHED STONE			
185	CY	MAINLINE APPROACH			
16383	CY	MAINLINE			
48	CY	GUARD RAIL FLARES			
1245	CY	TH 2			
744	CY	TH 12			
343	CY	TH 66			
1069	CY	DRIVES			
83	CY	ROUNDING			
20100	CY	TOTAL			
		BITUMINOUS CONCRETE PAVEMENT			
2134	TON	MAINLINE (TYPE I BASE)			
2193	TON	MAINLINE(TYPE II BINDER)			
1642	TON	MAINLINE(TYPE III WEARING)			
233	TON	MAINLINE APPROACH (INCLUDES BASE COURSE)			
39	TON	TH APPROACHES			
127	TON	DRIVES			
32	TON	ROUNDING			
6400	TON	TOTAL			
		DRILLING AND BLASTING OF SOLID ROCK SUBGRADE			
2261	SY	MAINLINE			
667	SY	TH 2			
302	SY	TH 12			
3	SY	ROUNDING			
3233	SY	TOTAL			
		STONE FILL, TYPE I			
147	CY	DRAINAGE SHEET			
45	CY	TEMP. EROSION CONTROL			
250	CY	BR. 300 SERIES (RDWY ITEM SHT # 138)			
18	CY	ROUNDING			
460	CY	TOTAL			
		STONE FILL, TYPE II			
259	CY	DRAINAGE SHEET			
260	CY	SLOPE STABILIZATION			
6	CY	ROUNDING			
525	CY	TOTAL			

SQUAD LEADER DELLA SANTA

DESIGN FILE NO. /SQDB/78EI32/DEI32.DGN

IPARM FILE DEI32Q2.I DATE PLOTTED 31-MAY-2000

MORETOWN RS 0167(9) AND MORETOWN-MIDDLESEX BRS 0167(11)

QUANTITY SHEET

APPROXIMATE SUMMARY OF QUANTITIES

STATE OF VERMONT
AGENCY OF TRANSPORTATION

MORETOWN STP EGC-RSEGC RS 0167(9)							
TRAIN-ING	LAND-SCAPING	R.O.W.	FULL E+C ITEMS	BRIDGE 300 SERIES	EROSION CONTROL	ROADWAY	TOTALS
						64	64
						64	64
						154	154
						261 ~~154~~	154
						154	154
						258	258
						260 ~~258~~	258
						2	2
						2	2
						2	2
						2	2
						2 ~~1~~	1
						1	1
						1	1
						5 ~~4~~	4
						4	4
						4	4
						1	1
						1	1
						1	1
						1	1
						1	1
						1	1
						1	1
						0 ~~100~~	100
						IL05 ~~10~~	10
						19 ~~1~~	1
						0 ~~15~~	15
						0 ~~4~~	4
						0 ~~4~~	4
						4063 ~~4774~~	4774
						514 ~~518~~	518
						295 ~~306~~	306
						20 ~~24~~	24
						38 ~~100~~	100
						2 ~~0.5~~	0.5
						0 ~~0.5~~	0.5
						3 ~~0.5~~	0.5
						34 ~~0.5~~	0.5
						24 ~~0.5~~	0.5
						3 ~~0.5~~	0.5
						0 ~~0.5~~	0.5

MORETOWN - MIDDLESEX BRS 0167(11)										
TRAIN-ING	LAND-SCAPING	R.O.W.	UTILIT.	FULL E+C ITEMS	EROSION CONTROL	BRIDGE 100 SERIES	BRIDGE 200 SERIES	ROADWAY	TOTALS

QUANTITY SHEET

APPROXIMATE SUMMARY OF QUANTITIES

STATE OF VERMONT
AGENCY OF TRANSPORTATION

MORETOWN STP EGC-RSEGC RS 0167(9)								MORETOWN - MIDDLESEX BRS 0167(11)										MORETOWN STP EGC-RSEGC RS 0167(9) AND MORETOWN - MIDDLESEX BRS 0167(11)					MORETOWN STP EGC-RSEGC RS 0167(9) DETAILED SUMMARY OF QUANTITIES			MORETOWN - MIDDLESEX BRS 0167(11) DETAILED SUMMARY OF QUANTITIES		
TRAIN-ING	LAND-SCAPING	R.O.W.	FULL E+C ITEMS	BRIDGE 300 SERIES	EROSION CONTROL	ROADWAY	TOTALS	TRAIN-ING	LAND-SCAPING	R.O.W.	UTILIT.	FULL E+C ITEMS	EROSION CONTROL	BRIDGE 100 SERIES	BRIDGE 200 SERIES	ROADWAY	TOTALS	GRAND TOTALS	UNIT	ITEMS	ITEM NO.	ROUND-ING	QUANTITIES	UNIT	ITEMS	QUANTITIES	UNIT	ITEMS
						7.5 ~~0.5~~	0.5									0.5	0.5	1	HR	TRUCK RENTAL (NOT A BID ITEM)	608.37								
						3 ~~0.5~~	0.5									0.5	0.5	1	HR	LOADER RENTAL, TYPE I (NOT A BID ITEM)	608.40								
						5 ~~0.5~~	0.5									0.5	0.5	1	HR	LOADER RENTAL, TYPE II (NOT A BID ITEM)	608.41								
						1480 ~~215~~	215									55	55	270	MGAL	DUST CONTROL W/ WATER	609.10	EST.							
						3.125 ~~3~~	3									1	1	4	TON	DUST AND ICE CONTROL W/ CALCIUM CHLORIDE	609.15	EST.							
														16			16	16	EA	ROCK BOLT ANCHOR (ULT. STRENGTH = 25K MIN.)	612.30								
					260.345	685 ~~415~~	460						11				11	471	CY	STONE FILL, TYPE I	613.10								
						1123.8 ~~525~~	525									5	5	530	CY	STONE FILL, TYPE II	613.11	1							
						371.9-C.0								300			300	300	CY	STONE FILL, TYPE IV	613.13								
																210	210	210	LF	GRANITE SLOPE EDGING	616.20	10							
																1100	1100	1100	LF	VERTICAL GRANITE CURB	616.21	31							
						1112 ~~1150~~	1150											1150	LF	TREATED TIMBER CURB	616.35	20							
																3	3	3	TON	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	EST							
						5 ~~7~~	7									1	1	8	EA	RELOCATE MAILBOX, SINGLE SUPPORT	617.10								
						2 ~~3~~	3									1	1	4	EA	RELOCATE MAILBOX, MULTIPLE SUPPORT	617.12								
						0 ~~55~~	55									15	15	70	EA	BOUNDARY MARKERS	619.10	EST.							
						3 ~~78~~	78									3	3	81	EA	YIELDING MARKER POSTS	619.17	3							
						0 ~~5~~	5									2	2	7	EA	REMOVING AND RESETTING PROPERTY MARKERS	619.20	EST.							
														90			90	90	LF	CHAIN-LINK FENCE, 8 FT. (MOD.)	620.13								
														24			24	24	LF	GATE FOR CHAIN-LINK FENCE, 8 FT. (MOD.)	620.17								
														16			16	16	EA	BRACING ASSEMBLY FOR CHAIN LINK FENCE, 8 FT.(MOD)	620.22								
						3	3											3	EA	DRIVE GATE FOR WOVEN WIRE FENCE	620.30								
						6 ~~3~~	3											3	EA	STEEL BRACE FOR WOVEN WIRE FENCE	620.40								
						0 ~~1150~~	1150									110	110	1260	LF	REMOVAL OF EXISTING FENCE	620.55	18							
						3183 ~~3175~~	3175											3175	LF	STEEL BEAM GUARD RAIL (W/ STEEL POSTS)	621.20	13							
						9	9											9	EA	MODIFIED ECCENTRIC LOADER TERMINAL W/ WOOD POSTS (MELT)	621.52								
						50	50									50	50	100	LF	ALUMINUM APPROACH RAIL (MOD # 1)	621.74								
						0 ~~75~~	75									200	200	275	LF	ALUMINUM APPROACH RAIL (MOD # 2)	621.74								
						84.3 1925 ~~2000~~	2000									100	100	2100	LF	REMOVAL & DISP. OF GUARD RAIL	621.80	34							
																			LF	ALUMINUM APPROACH RAIL (MOD #3)	621.74								
		120 ~~140~~					140											140	LF	INCLINOMETER	623.30								
		116 ~~140~~					140											140	LF	GROUND WATER OBSERVATION WELL	623.50								
						418 ~~388~~	388											388	LF	SLEEVES FOR UTILITIES (6'' PVC)(SCHEDULE 40)	625.10								
																31	31	31	LF	PVC SEWER PIPE (3'')	628.35								

SQUAD LEADER DELLA SANTA

DESIGN FILE NO. /SQDB/78E132/DE132.DGN

IPARM FILE DE13204.I DATE PLOTTED 31-MAY-2000

MORETOWN RS 0167(9) AND
MORETOWN-MIDDLESEX BRS 0167(11)

SHEET 6 OF 243 SHEETS

QUANTITY SHEET

APPROXIMATE SUMMARY OF QUANTITIES

STATE OF VERMONT
AGENCY OF TRANSPORTATION

MORETOWN STP EGC-RSEGC RS 0167(9)								MORETOWN - MIDDLESEX BRS 0167(11)										MORETOWN STP EGC-RSEGC RS 0167(9) AND MORETOWN - MIDDLESEX BRS 0167(11)					MORETOWN STP EGC-RSEGC RS 0167(9) DETAILED SUMMARY OF QUANTITIES			MORETOWN - MIDDLESEX BRS 0167(11) DETAILED SUMMARY OF QUANTITIES		
TRAIN-ING	LAND-SCAPING	R.O.W.	FULL E+C ITEMS	BRIDGE 300 SERIES	EROSION CONTROL	ROADWAY	TOTALS	TRAIN-ING	LAND-SCAPING	R.O.W.	UTILIT.	FULL E+C ITEMS	EROSION CONTROL	BRIDGE 100 SERIES	BRIDGE 200 SERIES	ROADWAY	TOTALS	GRAND TOTALS	UNIT	ITEMS	ITEM NO.	ROUND-ING	QUANTITIES	UNIT	ITEMS	QUANTITIES	UNIT	ITEMS
						140 ~~161~~	161											161	LF	SEAMLESS COPPER WATER TUBE(1'')	629.23							
						95 ~~62~~	62											62	LF	SEAMLESS COPPER WATER TUBE (1-1/4'')	629.23							
						0 ~~2~~	2								4		4	6	EA	EXTENSION SERVICE BOX & CURB STOP	629.25							
																			EA	EXT SERVICE BOX & CURB STOP (MOD)	629.25							
						230 ~~100~~	100											100	LF	PLASTIC WATER PIPE-FLEXIBLE 1/2''	629.32							
															20		20	20	LF	PIPE INSULATION	629.44							
															1		1	1	EA	RELOCATE WATER LINE (MOD)	629.80							
						0 ~~545~~	545									155	155	700	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST						
					6228.5 ~~5975~~		5975									525	525	6500	HR	FLAGGERS	630.15	EST						
			0.5				0.5					0.5					0.5	1	LS	FIELD OFFICE - ENGINEERS	631.10							
			0.2				0.2					0.8					0.8	1	LS	TESTING EQUIPMENT - CONCRETE(MOD)	631.16							
			0.5				0.5					0.5					0.5	1	LS	TESTING EQUIPMENT - BITUMINOUS	631.17							
												1					1	1	LS	TESTING EQUIPMENT - PROTECTIVE COATINGS	631.18							
		695 ~~0.5~~					0.5					0.5					0.5	1	LU	FIELD OFFICE - TELEPHONE (NABI)	631.25							
1659 1040							1040	1040									1040	2080	HR	EMPLOYEE TRAINEESHIP	634.10							
						0.6	0.6									0.4	0.4	1	LS	MOBILIZATION	635.10							
										1							1	1	LS	UTILITY SYSTEM	636.15							
						0.5	0.5									0.5	0.5	1	LS	TRAFFIC CONTROL	641.10							
						2	2									3	3	5	EA	PORTABLE CHANGEABLE MESSAGE SIGN	641.15							
						0 ~~9050~~	9050									2900	2900	11950	LF	4'' WHITE LINE	646.20	45						
						0 ~~9050~~	9050									2925	2925	11975	LF	4'' YELLOW LINE	646.21	37						
						0 ~~35~~	35									50	50	85	LF	24'' STOP BAR	646.26	7						
																210	210	210	LF	PAINTED CURB	646.27	10						
																4	4	4	EA	LETTER OR SYMBOL	646.30							
					9506 ~~9450~~		9450									2925	2925	12375	LF	DURABLE 4'' WHITE LINE	646.40	46						
					9890 ~~9050~~		9050									3400	3400	12450	LF	DURABLE 4'' YELLOW LINE	646.41	46						
					53.2 ~~35~~		35									80	80	115	LF	DURABLE 24'' STOP BAR	646.46	9						
																8	8	8	EA	DURABLE LETTER OR SYMBOL	646.50							
					10.638 ~~18100~~		18100									7250	7250	25350	LF	TEMPORARY 4'' WHITE LINE	646.60	85						
					23.760 ~~18100~~		18100									7400	7400	25500	LF	TEMPORARY 4'' YELLOW LINE	646.61	78						
																100	100	100	LF	TEMPORARY 24'' STOP BAR	646.66	4						
																8	8	8	EA	TEMPORARY LETTERS OR SYMBOLS	646.70							
						116	116									29	29	145	EA	LINE STRIPING TARGETS	646.73							
						2833 ~~1150~~	1150							555			555	1705	SY	GEOTEXTILE UNDER STONE FILL	649.31	3						
						8015 ~~8500~~	8500									610	610	9110	SY	GEOTEXTILE FOR UNDERDRAIN TRENCH LINING	649.41	7						
				1166.8 ~~1925~~			1925					350					350	2275	SY	GEOTEXTILE FOR SILT FENCE	649.51	62						
				1069 ~~900~~			900					50					50	950	LB	SEED	651.15	31						

SQUAD LEADER DELLA SANTA

DESIGN FILE NO. /SQDB/78EI32/DEI32.DGN

IPARM FILE DEI3205.I DATE PLOTTED 31-MAY-2000

MORETOWN RS 0167(9) AND
MORETOWN-MIDDLESEX BRS 0167(11)

QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

APPROXIMATE SUMMARY OF QUANTITIES

MORETOWN STP EGC-RSEGC RS 0167(9)								MORETOWN - MIDDLESEX BRS 0167(11)										MORETOWN STP EGC-RSEGC RS 0167(9) AND MORETOWN - MIDDLESEX BRS 0167(11)					MORETOWN STP EGC-RSEGC RS 0167(9) DETAILED SUMMARY OF QUANTITIES			MORETOWN - MIDDLESEX BRS 0167(11) DETAILED SUMMARY OF QUANTITIES		
TRAIN-ING	LAND-SCAPING	R.O.W.	FULL E+C ITEMS	BRIDGE 300 SERIES	EROSION CONTROL	ROADWAY	TOTALS	TRAIN-ING	LAND-SCAPING	R.O.W.	UTILIT.	FULL E+C ITEMS	EROSION CONTROL	BRIDGE 100 SERIES	BRIDGE 200 SERIES	ROADWAY	TOTALS	GRAND TOTALS	UNIT	ITEMS	ITEM NO.	ROUND-ING	QUANTITIES	UNIT	ITEMS	QUANTITIES	UNIT	ITEMS
					835 ~~55~~		55						15				15	70	LB	SEED-WINTER RYE	651.17							
					7300 ~~5975~~		5975						350				350	6325	LB	FERTILIZER	651.18	10						
					27.16 ~~24~~		24						2				2	26	TON	AGRICULTURAL LIMESTONE	651.20							
					47.52 ~~25~~		25						3				3	28	TON	HAY MULCH	651.25	0.5						
					1002 ~~1700~~		1700						100				100	1800	EA	HAY BALES FOR EROSION CONTROL	651.26	EST.						
						773.6 ~~675~~	675									100	100	775	CY	TOPSOIL	651.35							
						6060 ~~2825~~	2825							555		25	580	3405	SY	GRUBBING MATERIAL	651.40	49						
					353 ~~2000~~		2000						50				50	2050	SY	EROSION MATTING	654.10							
	30						30											30	EA	EVERGREEN TREES (PICEA GLAUCA) (WHITE SPRUCE) (6' - 8' HT., BAGGED+BURLAPED)	656.20							
									22								22	22	EA	DECIDUOUS TREES (ACER FREEMANII "JEFFERSRED") (AUTUMN BLAZE MAPLE) 2 (3" -3 ~~2~~ 1/2" CAL)(BAGGED + BURLAPPED) (CLEAR STEM TO 6') CHANGE ORDER	656.30							
									2								2	2	EA	DECIDUOUS TREES (ACER TRUNCATUM, SUBSP. MONO) (PAINTED MAPLE) (3" -3 1/2" CAL)(BAGGED + BURLAPPED) (CLEAR STEM TO 6')	656.30							
									3								3	3	EA	DECIDUOUS TREES (BETULA PAPYRIFERA, CLUMP) (WHITE BIRCH CLUMP -3 STEM MIN.) (10'-12' HT., BAGGED+BURLAPED)	656.30							
	96						96											96	EA	DECIDUOUS SHRUBS (CORNUS SERICEA) (REDSTEM DOGWOOD) (12" -18" HT., BAGGED + BURLAPPED OR CONTAINER)	656.35							
	33 ~~33~~						33											33	EA	DECIDUOUS SHRUBS (CORNUS AMOMUM) (GRAYSTEM DOGWOOD) (12" -18" HT., BAGGED + BURLAPPED OR CONTAINER)	656.35							
	51						51											51	EA	DECIDUOUS SHRUBS (VIBURNUM DENTATUM) (ARROWWOOD VIBURNUM) (12" -18" HT., BAGGED + BURLAPPED OR CONTAINER)	656.35							
	74						74											74	EA	DECIDUOUS SHRUBS (LONICERA XYLOSTEUM "CLAVEYI") (CLAVEYS'S DWARF HONEYSUCKLE) (12" -18" HT., BAGGED + BURLAPPED OR CONTAINER)	656.35							
	45 ~~45~~						45		14								14	59	EA	DECIDUOUS SHRUBS (AMELANCHIER CANADENSIS) (SHADBLOW) (6'-8' HT., BAGGED+BURLAPPED (MULTI-STEM)	656.35							
	118						118											118	EA	DECIDUOUS SHRUBS (RHUS TYPHINA) (STAGHORN SUMAC) (12"-18" HT., BAGGED+BURLAPPED OR CONTAINER)	656.35							

SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/78EI32/DEI32.DGN
IPARM FILE DEI3206.I DATE PLOTTED 31-MAY-2000
MORETOWN RS 0167(9) AND
MORETOWN-MIDDLESEX BRS 0167(11)
SHEET 8 OF 243 SHEETS

QUANTITY SHEET

APPROXIMATE SUMMARY OF QUANTITIES

STATE OF VERMONT
AGENCY OF TRANSPORTATION

MORETOWN STP EGC-RSEGC RS 0167(9)								MORETOWN - MIDDLESEX BRS 0167(II)										MORETOWN STP EGC-RSEGC RS 0167(9) AND MORETOWN - MIDDLESEX BRS 0167(II)					MORETOWN STP EGC-RSEGC RS 0167(9) DETAILED SUMMARY OF QUANTITIES			MORETOWN - MIDDLESEX BRS 0167(II) DETAILED SUMMARY OF QUANTITIES		
TRAIN-ING	LAND-SCAPING	R.O.W.	FULL E+C ITEMS	BRIDGE 300 SERIES	EROSION CONTROL	ROADWAY	TOTALS	TRAIN-ING	LAND-SCAPING	R.O.W.	UTILIT.	FULL E+C ITEMS	EROSION CONTROL	BRIDGE 100 SERIES	BRIDGE 200 SERIES	ROADWAY	TOTALS	GRAND TOTALS	UNIT	ITEMS	ITEM NO.	ROUND-ING	QUANTITIES	UNIT	ITEMS	QUANTITIES	UNIT	ITEMS
	15						15		14								14	29	EA	DECIDUOUS SHRUBS (RHUS AROMATICA "GRO-LOW") (GRO-LOW SUMAC) (12"-18" HT., BAGGED+BURLAPPED OR CONTAINER)	656.35								
	13						13											13	EA	GROUND COVER AND VINES (CELASTRUS SCANDENS) (AMERICAN BITTERSWEET) (2 YR. FIELD, FIELD POT)	656.40								
	10 13						13											13	EA	GROUND COVER AND VINES (PARTHENOSIS QUINQUEFOLIA) (WOODBINE/VIRGINIA CREEPER) (2 YR. FIELD, FIELD POT)	656.40								
									800								800	800	EA	GROUND COVER AND VINES (HEMMEROCALLIS - STELLA DEORO) (STELLA D'ORO DAYLILLY) (ROOT 3-5 EYE DIVISION, FIELD GROWN)	656.40								
	350 200						200		100								300	300	EA	GROUND COVER AND VINES (HEMMEROCALLIS FLAVA) (COMMON DAYLILY-NATIVE LEMON LILY) (ROOT 3-5 EYE DIVISION, FIELD GROWN)	656.40								
	350 500						500		200								200	700	EA	GROUND COVER AND VINES (HEMMEROCALLIS FULVA) (COMMON DAYLILY-NATIVE ORANGE LILY) (ROOT 3-5 EYE DIVISION, FIELD GROWN)	656.40								
																				BEGIN OPTION ITEMS								
	10						10											10	EA	GROUND COVER AND VINES (VITUS CULTIVAR) (VALIENT GRAPEVINE) (2 YR. FIELD GROWN, 2 GAL. POT)	656.40								
	10						10											10	EA	GROUND COVER AND VINES VITUS AESTIVALIS-WILD GRAPE) (SUMMER GRAPE-NATIVE) (2 YR. FIELD GROWN, 2 GAL. POT)	656.40								
																				END OPTION ITEMS								
			455 49	110			110									265	265	375	SF	TRAFFIC SIGNS, TYPE A	675.20	4.52						
			398 ~~306~~	306			306									574	574	880	FT	FLANGED CHANNEL SIGN POSTS	675.301	1						
			306	306																								
			36 ~~49~~	49			49									62	62	111	EA	REMOVING SIGNS	675.50							
			20 ~~4~~	4			4											4	EA	ERECTING SALVAGED SIGNS	675.60							
																3	3	3	EA	DELINEATORS W/ STEEL POSTS	676.10							
															2		2	2	EA	OVERHEAD TRAFFIC SIGN SUPPORT, TRI-CHORD(MOD)	677.10							
			1																LS	EXTRA WORK ORDER # 7	900.07							
			1																LS	EXTRA WORK ORDER # 13	900.13							
			1																LS	EXTRA WORK ORDER # 14	900.14							
			1																LS	EXTRA WORK ORDER # 15	900.15							

SQUAD LEADER DELLA SANTA

DESIGN FILE NO. /SQDB/78EI32/DEI32.DGN

IPARM FILE DEI3207.I DATE PLOTTED 31-MAY-2000

MORETOWN RS 0167(9) AND
MORETOWN-MIDDLESEX BRS 0167(II)

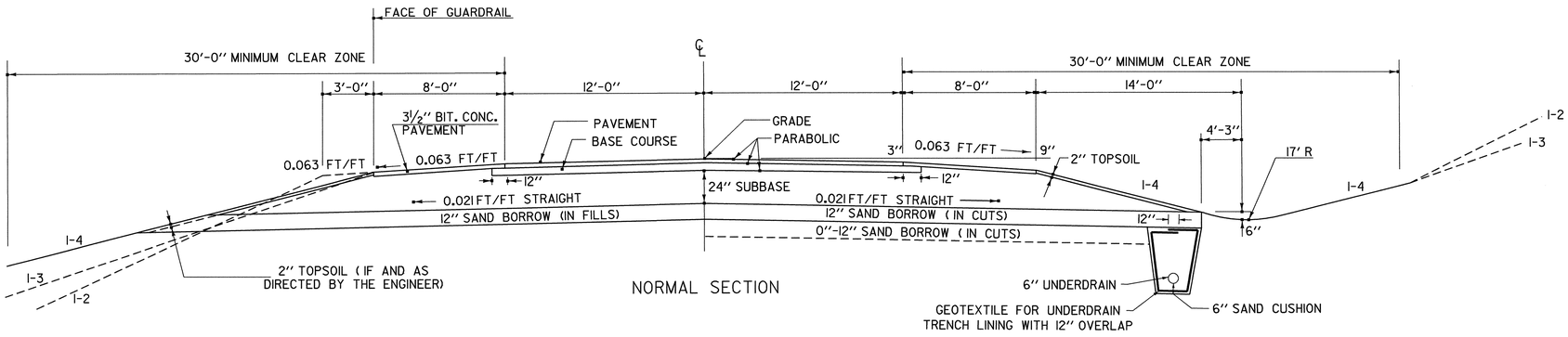
TYPICAL SECTIONS

VT. ROUTE 100B

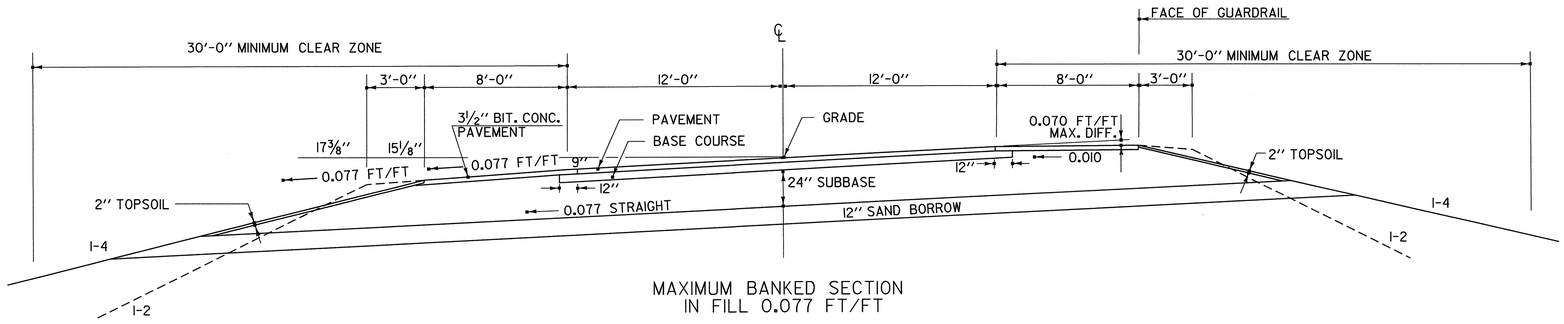
MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT (TOTAL DEPTH)	± 1/4"
SUBBASE	± 1"
SAND BORROW	± 1"

3½" BITUMINOUS CONCRETE PAVEMENT (1½" TYPE III OVER 2 " TYPE II) (ITEM 406.25)(PG 58-34)
3" BASE COURSE OF BITUMINOUS CONCRETE PAVEMENT (1 LIFT, TYPE I) (ITEM 406.25)(PG 58-34)
24" SUBBASE OF DENSE GRADED CRUSHED STONE
12" SAND BORROW

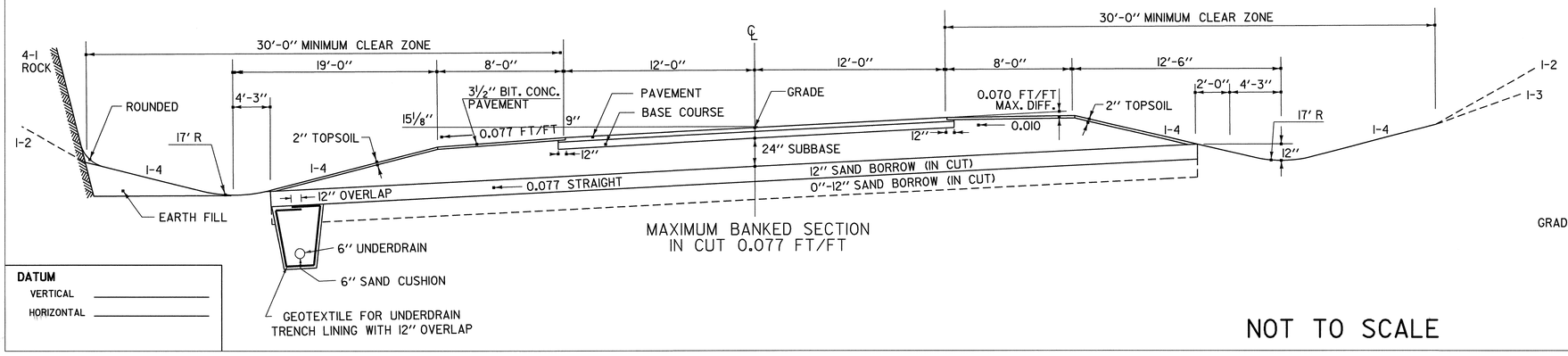
SHOULDERS : 3½" BITUMINOUS CONCRETE PAVEMENT (ITEM 406.25)(PG 58-34)
0"-12" SAND BORROW IN CUT (TO BE PLACED AS NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER)



NORMAL SECTION



MAXIMUM BANKED SECTION
IN FILL 0.077 FT/FT



MAXIMUM BANKED SECTION
IN CUT 0.077 FT/FT

DATUM
VERTICAL _____
HORIZONTAL _____

NOT TO SCALE

SEEDING FORMULA
RURAL AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREEPING RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

GENERAL NOTES

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

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

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).

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

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

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

MARKER POSTS: TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.

SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-5.

PAY LIMITS OF SAND BORROW: WHEN USED IN CONJUCTION WITH UNDERDRAIN - SEE STANDARD SHEET D - 2.

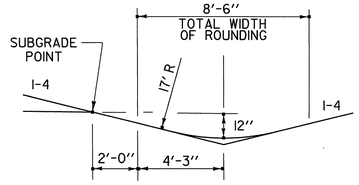
TACK COAT: EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.015 GAL/SY TO ALL COLD PLANED SURFACES AND BETWEEN SUCCESSIVE COURSES OF PAVEMENT AS DIRECTED BY THE ENGINEER.

SEEDING FORMULA
URBAN AREAS

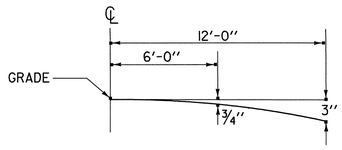
% WT.	LBS./A.	NAME	PUR %	GERM %
42.5	34.0	CREEPING RED FESCUE	98	85
10.0	8.0	PERENNIAL RYE GRASS	95	90
42.5	34.0	KENTUCKY BLUE GRASS	85	85
5.0	4.0	ANNUAL RYE GRASS	95	85
100.00	80.0			

GENERAL NOTES

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



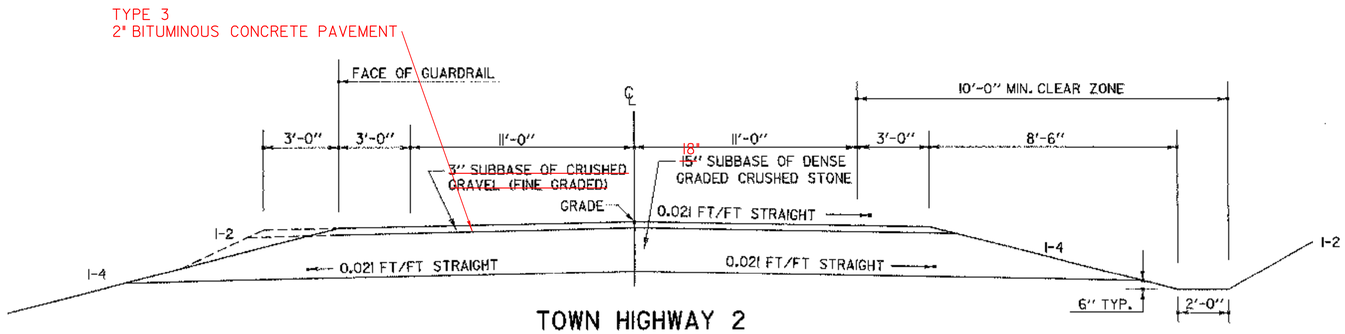
HIGH BANK TYPICAL DITCH DETAIL



PARABOLIC DETAIL
NOT TO SCALE

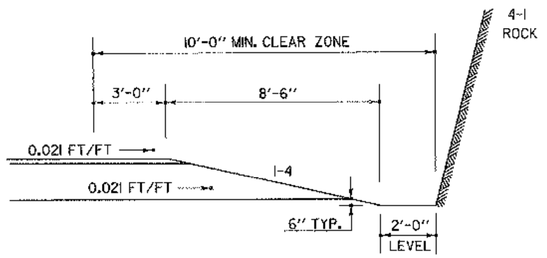
SURVEYED BY	NYE	DATE 3/85
DRAWN BY	SQUADB	DATE 11/93 RE
SQUAD LEADER	DELLA SANTA	
DESIGN FILE NO.	/SQDB/84E058/DE058FRM.DGN	
IPARM FILE	DEI32TYI	DATE PLOTTED 09-MAY-2000
PROJ. NAME	MORETOWN	
PROJ. NO.	RSEGC-RS 0167(9)	
SHEET	10 OF 243 SHEETS	

TOWN HIGHWAY TYPICAL SECTIONS

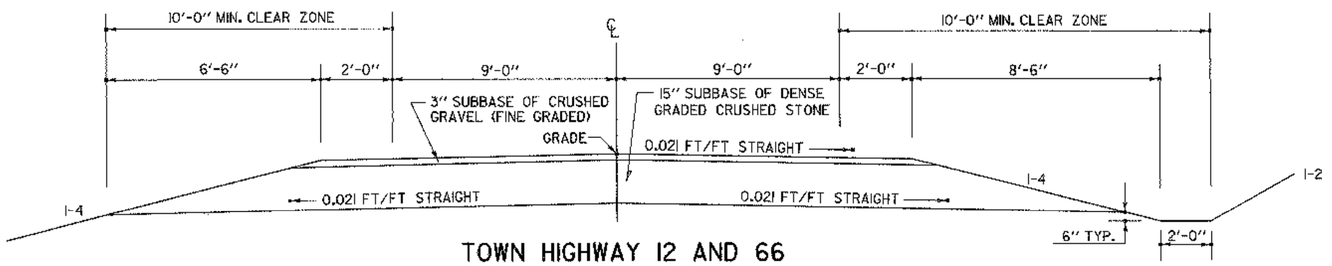


TOWN HIGHWAY 2

NORMAL SECTION

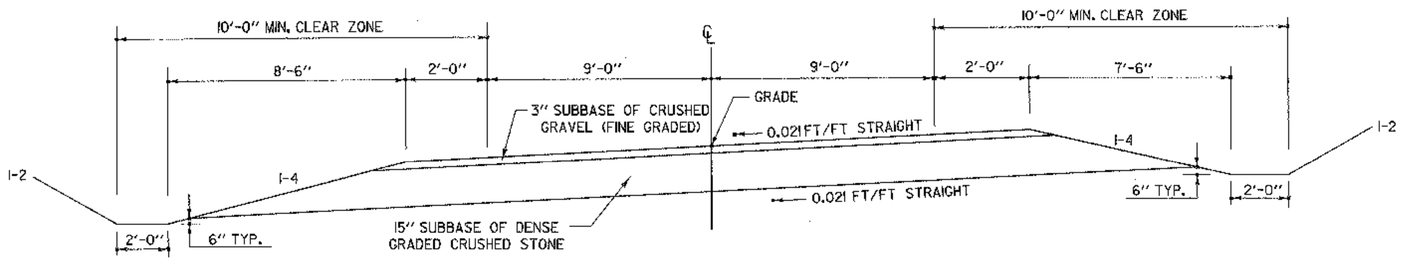


NORMAL SECTION IN ROCK CUT
(TOWN HIGHWAY 2)



TOWN HIGHWAY 12 AND 66

NORMAL SECTION



MAXIMUM BANKED SECTION 0.021 FT/FT

FOR GENERAL NOTES:
SEE SHEET 9

NOT TO SCALE

DATUM
VERTICAL _____
HORIZONTAL _____

SURVEYED BY	NYE	DATE 3/85
DRAWN BY	SQUADB	DATE 11/93 RE
SQUAD LEADER	DELLA SANTA	
DESIGN FILE NO.	/SQDB/84E058/DE058FRM.DGN	
IPARM FILE	DE132TY2	DATE PLOTTED 04-NOV-1999
PROJ. NAME	MORETOWN	
PROJ. NO.	RSEGC-RS 0167(9)	
SHEET 11 OF 243 SHEETS		

ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE IN/OUT	DITCH IN	DITCH OUT	PIPE ARCH S IN	PIPE ARCH R IN	PIPE ARCH L FT	PIPE D IN	PIPE L FT	ALLOWABLE OPTIONS PCCSP TH	CAAP TH	RCP CL	CSP TH	CPEP SL	CPEP	PIPE ELBOW NO-DEG	ES EA	CB	PRCCDI	DEPTH DI	CONC CL B CY	REIN STEEL LBS	DI GRATE TYPE	CHAN ELEV	CRM CY	TR EXCAV EARTH CY	TR EXCAV ROCK CY	COMM EXC CY	UNC CHAN EXC CY	STRUC EXCAV CY	GRAN BKF STRUC CY	GRAN BORR CY	EROS MATT SY	STONE FILL CY	STONE FILL TYPE	MRKR POSTS LT	MRKR POSTS RT	REMARKS
163+00		CL																																						EXISTING 18'' RCP - RETAIN
165+07	165+25	RT																																						EXISTING 15'' CGMP - RETAIN
165+35.5		CL	82° 35' LT																																				EXISTING 18'' RCP - RETAIN
165+45	166+94	LT																											194				132						CONSTRUCT SPECIAL DITCH (PAY AS COMMON EXCAVATION)
166+94	167+61	LT		MES						30	64				.079	X			1								109												
167+00	168+45	RT		MES						18	146				.064	X			1																				DRIVE CULVERT - PIPE LAID IN DITCH
167+61	172+50	LT																											675				435						CONSTRUCT SPECIAL DITCH (PAY AS COMMON EXCAVATION)
168+17	168+37	RT																																					EXISTING 15'' CGMP - REMOVE WITH COMMON EXCAVATION
169+50	169+75	LT/RT		MES						18	76	.064	.060			X			1								15										1	1	
172+00	172+50	LT/RT		RCDI						24	92	.064	.060			X						3.5	1.9	158	1-A		49								2	I	1	1	
172+50		CL																									8												REMOVE EXISTING 18'' ACCGMP
175+75	178+11.5	RT																									21							43	I				SPECIAL DITCH W/ STONE FILL, TYPE I
178+11.5		RT																									17												EXISTING 15'' CMP - REMOVE
178+11.5	178+50	RT																									7							7	I				SPECIAL DITCH W/ STONE FILL, TYPE I
178+12		CL		MES						24	136	.064	.060			X			1								28							7	II	1	1		TYPE II STONE PAD @ OUTLET
178+14		LT		PRCCDI						12	40		.060		.064			2		1					1-E		12									1			1-10° ELBOW AND 1-15° ELBOW
180+29		RT	88° 07' LT																								18												REMOVE EXISTING 12'' ACCGMP
180+50		CL		RCDI						18	88	.064	.060				X					6.0	3.0	270	1-E										3	I		1		STONE FILL, TYPE I AT OUTLET
182+00		LT		RCDI						18	56		.060		.064			2				8.0	3.9	347	1-E		33								4	II	1			1-25° ELBOW AND 1-15° ELBOW (TYPE II STONE PAD @ OUTLET)
182+00	182+53 REV.	LT/RT		MES						18	84	.064	.060			X			1								5										1		PIPE IN FILL AND INLET DITCH
183+85	186+75	RT		RCDI						15	291			III	.064	X						7.0	3.5	308	1-A		155										2		DRIVE CULVERT
183+95		RT																									9												REMOVE EXISTING 10'' CMP
184+02	184+63	RT		RCDI						15	85			III	.064	X						3.0	1.7	150	1-A		36										2		DRIVE CULVERT (PARKING AREA)
184+26	184+68	RT																									16												REMOVE EXISTING DRIVE CULVERT (SIZE UNKNOWN)
184+32	184+60	RT																									10												REMOVE EXISTING 12'' CMP
REV	REV																																						
189+75	190+70	RT																																					EXISTING PIPE - RETAIN
REV	REV																																						
190+70	191+70	RT								0.5	100																39												FLEXIBLE PLASTIC WATER PIPE. INTERCEPT
REV	REV																																						EXISTING WATER PIPE @ REV. 190+70 RT
190+70	191+70	RT								6	100																												6'' SLEEVE FOR 1/2'' PLASTIC WATER PIPE
REV	REV																																						
190+74	191+00	RT		MES						15	26			III	.064	X			1																		2		PIPE LAID IN DITCH
REV	REV																																						
191+03	191+94	RT																									36												REMOVE EXISTING CULVERT (SIZE UNKNOWN)
REV	REV																																						
191+24	191+41	LT/RT								6	65																36												6'' SLEEVE FOR FUTURE USE
REV	REV																																						
191+44	192+36	LT		RCDI						15	92			III	.064	X						4.0	2.1	193	1-A		45												
SUBTOTALS										0.5	100	(PLASTIC WATER PIPE)																												
DRAINAGE SHEET #1										6	165	(SLEEVE) (PVC SCHEDULE 40)																												
										12	40		.060		.064			2-12''		1		16.1	1426	4-A		704	869			567	55	I	5	11					
										15	494			III	.064	X			1					3-E							11	II	16					
										18	146				.064	X			1																				
										18	88	.064	.060				X																						
										18	160	.064	.060			X			2																				
TOTALS										18	56		.060		.064			2-18''																					
										24	228	.064	.060			X			1																				
										30	64				.079	X			1																				

STEEL BEAM GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT MELT
174+75	179+50	475		2
	REV			
180+46	186+65.5	625		2
REV	REV			
191+62.5	192+87.5		125	2
REV	REV			
193+68.5	209+81	1612.5		1
TH2				
33+62.5	36+87.5	325		2
TOTALS		3037.5	125	9
		3162.5		
TOTALS				

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB	MKR PST
165+35	169+50	U	RT	6	420	79			1	2
172+50	175+00	U	RT	6	250	78			1	1
REV	REV									
186+44	192+36	U	LT	6	592	268			2	2
REV	REV									
186+94	191+67	U	RT	6	474	139			2	2
REV	REV									
191+87	193+94	U	RT	6	207	83			1	1
REV	REV									
193+94	196+40	U	LT	6	246	109			1	1
REV	REV									
199+19	201+69	U	RT	6	250	27	137		1	1
REV	REV									
201+79	203+99	U	RT	6	222		136		1	1
REV	REV									
201+80	202+00	C	LT	6	34	7			1	2
REV	REV									
202+00	204+00	U	LT	6	200	103			1	1
DESIGNED		U			2861	893	273		12	14
SUB-TOTALS		C			34					
CONTINUED ON FOLLOWING SHEET										
TOTALS										

PROJECT NAME MORETOWN
PROJECT NUMBER RS EGC RS0167(9)

10-FEB-2000 DE132DR1
SHEET 12 OF 243 SHEETS

ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE	DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS					CPEP	PIPE ELBOW	ES	CB	PRCSD	DEPTH DI	CONC CL B	REIN STEEL	DI GRATE	CHAN ELEV	CRM	TR EXCAV		COMM EXC	UNC CHAN EXC	STRUC EXCAV	GRAN BKF STRUC	GRAN BORR	EROS MATT	STONE FILL		MRKR POSTS		REMARKS
				IN/OUT	IN	OUT	S	R	L	D	L	PCCSP	CAAP	RCP	CSP	CPEP		NO-DEG	EA									EARTH	ROCK									LT	RT	
							IN	IN	FT	IN	FT	TH	TH	CL	TH	SL						DI	CY	LBS	TYPE		CY	CY	CY	CY	CY	CY	CY	SY	CY	TYPE			
REV	REV																																					
192+36	193+94	LT		RCDI						18	180	.064	.060				X					4.0	2.1	193	1-A			175	10									2		
REV	REV																																					
191+85	193+96	RT/LT		HDWL						60	258		.135		.138								26	2100					72	1110	219	576		72	II			INLET DITCH W/ STONE FILL, TYPE II
REV																																						
193+09		LT	52° 33' LT																												89								REMOVE EXISTING 48'' RCP AND HEADWALL; BACKFILL TRENCH
REV	REV																																					
193+11	193+26	RT/LT								6	62																	27											6'' SLEEVE FOR 1.25'' COPPER WATER TUBE. INTERCEPT EXIST.
REV	REV																																					W/MATERAL REMOVED FROM TRENCH FOR 60° PIPE.
193+11	193+26	RT/LT								1.25	62																											EXTENSION SERVICE BOX AND CURB STOP @ REV.193+11 RT.
REV																																						
193+24		LT																													187								REMOVE 56' OF THE EXISTING 7' X 5' CONC. BOX; BACKFILL
																																						TRENCH W/MATERIAL REMOVED FROM TRENCH FOR 60° PIPE.
REV	REV																																					
193+44	193+84	CL																																					EXISTING 15'' CGMP (REMOVE W/ COMMON EXCAVATION)
REV																																						
193+54		LT																																					REMOVE EXISTING 48'' BOILER PIPE W/ NEW 60'' PIPE
REV	REV																																					
193+94	194+00	LT		RCDI						18	62		.060		.064		X					4.0	2.1	193	1-A			31									1		
REV																																						
193+94		CL		RCDI						18	78		.060		.064		X					8.0	3.9	347	1-A			119										1	
REV	REV																																					
193+94	196+65	LT		RCDI						18	270		.060		.064		X					5.0	2.6	231	1-A			230											
REV																																						
196+65		CL		RCDI						18	60	.064	.060			X						5.5	2.8	239	1-B			37									1	1	
REV	REV																																					
198+62	199+19	RT		RCDI						18	56	.064	.060			X						5.0	2.6	231	1-B			29										1	
REV																																						
198+77		CL																										7											REMOVE EXISTING 15'' CGMP
REV	REV																																					
199+19	199+44	RT/LT		RCDI						24	88	.064	.060			X						4.5	3.0	237	2-B			44					5				1	1	USE 4' X 6' DI @ INLET
REV																																						
201+79		CL		RCDI						18	78	.064	.060			X						4.0	2.1	193	1-A			39	14				2		4	II	1	1	OUTLET W/STONE FILL TYPE II
REV																																						
201+80		LT																																					EXISTING 12'' CGMP (REMOVE W/ COMMON EXCAVATION)
REV																																						
205+46		LT																										54											EXISTING 15'' CGMP - REMOVE
REV	REV																																					
206+16	206+33	RT/LT		HDWL						36	154	.079	.075			X											4.9	178	151				15		21	II	1	1	STRAIGHT HEADWALL @ INLET /STONE FILL TYPE II
REV																																						@ INLET.
206+33		LT																										209											EXIST. 30'' RCP-REMOVE W/ NEW 36'' X 154' PIPE
REV	REV																																					
206+42	206+84	RT/LT								6	161																	47	25										6'' SLEEVE FOR 1'' COPPER WATER TUBE
REV	REV																																					
206+42	206+84	RT/LT								1	161																													EXTENSION SERVICE BOX AND CURB STOP
REV	REV																																					
206+80	207+35	LT								18	58				.064													16											
SUBTOTALS										1.25	62	(COPPER TUBE)																												
DRAINAGE SHEET *2										1	161	(COPPER TUBE)																												
										6	223	(SLEEVE) (PVC SCHEDULE 40)																												
										18	58				.064							47.2	3964	5-A		4.9	1242	200		72	1386	219	598				7	6	
										18	194	.064	.060			X								4-B										97	II	13		
										18	410		.060		.064		X																						
										18	180	.064	.060				X																							
										24	88	.064	.060			X																								
TOTALS										36	154	.079	.075			X																								
										60	258		.135		.138																										

STEEL BEAM GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT
REMOVAL AND DISPOSAL OF GUARD RAIL				
REV	REV			
192+69	193+20		51	
REV	REV			
193+70	199+40	570		
REV	REV			
199+30	200+10	80		
REV	REV			
200+25	206+60	660		
REV	REV			
206+90	207+10	44		
TH2				
31+00	32+54	154		
TH2				
33+00	37+07	407		
TOTAL		1915	51	
GRAND TOTAL		1966		
	TREATED TIMBER CURB			
176+00	179+50	350		
180+46	185+50	504		
REV	REV			
207+30	209+56	226		
REV	REV			
209+56	210+06	50		
	TOTAL	1130		
TOTALS				

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB		MKR PST
REV	REV										
204+05	206+16	U	RT	6	212	74	52		1		2
REV	REV										
204+05	205+05	U	LT	6	100	27			1		1
REV	REV										
205+05	205+48	C	LT	6	54	17			1		2
TH2											
30+50	33+75	U	RT	6	326	58	68		2		2
TH2											
33+75		C	CL	6	56	6			1		2
TH2											
32+00	33+50	U	LT	6	150	8	46		1		1
TH2											
33+50		C	LT	6	12				1		2
REV. TH#12											
20+34	22+75	U	LT	6	275	138			1		2
DESIGNED		U		6	1063	328	166		9		14
SUBTOTALS		C		6	122						
ESTIMATED		U		6	850	750	5		3		3
ESTIMATED		C		6	150						
GRAND TOTALS		U			4774	1971	444		24		31
		C			306						
TOTALS											

PROJECT NAME MORETOWN
PROJECT NUMBER RS EGC RSO167(9)

09-MAY-2000 DE132DR2
SHEET 13 OF 243 SHEETS

ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE	DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS					CPEP	PIPE ELBOW	ES	CB	PROJ	DEPTH DI	CONC CL B	REIN STEEL	DI GRATE	CHAN ELEV	CRM	TR EXCAV		COMM EXC	UNC CHAN EXC	STRUC EXCAV	GRAN BKF STRUC	GRAN BORR	EROS MATT	STONE FILL		MRKR POSTS		REMARKS
				IN/OUT	IN	OUT	S	R	L	D	L	PCCSP	CAAP	RCP	CSP	CPEP		NO-DEG	EA			DI	CY	LBS	TYPE		CY	EARTH CY	ROCK CY	CY	CY	CY	CY	CY	CY	SY	CY	TYPE	LT	RT	
							IN	IN	FT	IN	FT	TH	TH	CL	TH	SL																								
REV																																							
207+40		CL		MES						18	82	.064	.060			X			1								4								4	II	1	1	STONE FILL, TYPE II @ OUTLET
REV																																							
207+50		LT																									51												EXISTING 12'' ACCGMP - REMOVE
REV																																							
208+50		CL		MES						18	74	.064	.060				X		1																		1	1	PIPE IN FILL
REV	REV																																						
209+50	210+00	RT/LT		RCDI						18	76	.064	.060			X						4.5	2.3	200	1-A				57					5				1	
REV																																							
210+00		LT		RCDI						18	14	.064	.060				X					7.0	3.5	308	1-E			5	5					1				1	
TH2																																							
31+65		LT	76° LT																								19												EXISTING 15'' CGMP - REMOVE
TH2																																							
34+32		CL	83° LT																								33	27											REMOVE EXISTING 1.8' X 24' STONE BOX @ INLET & 18'' ACCGMP AT OUTLET
TH2	TH2																																						
34+32	34+75	LT/RT		HDWL						24	144	.064	.060				X										3.2	334								31	II	1	1	'L' HEADWALL AND STONE FILL TYPE II @ INLET
TH2	TH2																																						
34+67	35+07	RT		RCDI						15	40	.064	.060				X					3.0	1.7	150	1-A			15											1	
TH2	TH2																																						
35+07	36+23	RT		RCDI						15	116	.064	.060				X					4.5	2.1	193	1-A			78											1	
TH2																																							
36+23		CL		RCDI						18	48	.064	.060				X					5.0	2.6	231	1-A			32										1	1	
TH2	TH2																																						
36+23	36+79	RT		RCDI						15	56	.064	.060				X					4.0	2.1	193	1-A			30											1	
REVTH12																																							
20+34	22+98	LT																											116							116	II			CONSTRUCT SPECIAL DITCH(PAY AS COMMON EXCAVATION)
20+50	22+30	RT																											40							40	I			CONSTRUCT SPECIAL DITCH(PAY AS COMMON EXCAVATION)
22+83	23+00	RT/LT		RCDI						18	48			III	.064		X					3.5	1.9	158	1-A			30								1	I	1	1	STONE FILL, TYPE I @ OUTLET
22+89		RT	60° LT																																					REMOVE EXISTING 15'' CGMP W/ NEW 18'' X 48' PIPE
23+02	25+30	LT																											51							51	I			CONSTRUCT SPECIAL DITCH(PAY AS COMMON EXCAVATION)
TH66																																							
0+87		CL																									9												EXISTING 15'' CGMP - REMOVE
TH66																																							
2+50		LT																																						EXISTING 12'' CGMP - RETAIN
SUBTOTALS										15	212	.064	.060				X					16.2	1433	6-A		3.2	640	89	207				6		92	I	6	9	
DRAINAGE SHEET #3										18	136	.064	.060				X		1					1-E											151	II	15		
										18	48			III	.064		X																						
										18	158	.064	.060			X			1																					
										24	144	.064	.060				X																							
TOTALS																																							

STEEL BEAM GUARD RAIL

STA. REV.	STA. REV.	LT.	RT.	END TREATMENT ALUM APPR RAIL MOD #1	END TREATMENT ALUM APPR RAIL MOD #2
209+81	210+06	X		25	
REV.	REV.				
210+28	210+53		X	25	
TH. #2	REV.				
30+73 LT	210+28 RT				75
TOTAL				50	75
TOTALS					

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB		MKR PST
TOTALS											

PROJECT NAME MORETOWN
PROJECT NUMBER RS EGC RS0167(9)

29-DEC-1999 DE132DR3
SHEET 14 OF 243 SHEETS

ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STEEL BEAM GUARD RAIL

STA.	STA.	POSITION	ASKEW	TYPE IN/OUT	DITCH IN	DITCH OUT	PIPE ARCH S IN	PIPE ARCH R IN	PIPE ARCH L FT	PIPE D IN	PIPE L FT	ALLOWABLE OPTIONS PCCSP TH	CAAP TH	RCP CL	CSP TH	CPEP SL	CPEP	PIPE ELBOW NO-DEG	ES EA	CB	PRFCD	DEPTH DI	CONC CL B CY	REIN STEEL LBS	DI GRATE TYPE	CHAN ELEV	CRM CY	TR EXCAV EARTH CY	TR EXCAV ROCK CY	COMM EXC CY	UNC CHAN EXC CY	STRUC EXCAV CY	GRAN BKF STRUC CY	GRAN BORR CY	EROS MATT SY	STONE FILL CY	STONE FILL TYPE	MRKR POSTS LT	MRKR POSTS RT	REMARKS
SUBTOTALS										0.5	100	(PLASTIC WATER PIPE)																											
SHEET #12										6	165	(SLEEVE)		(PVC SCHEDULE 40)																										
										12	40		.060		.064			2-12'		1		16.1	1426	4-A			704		869					567	55	I	5	11	
										15	494			III	.064	X			1					3-E											11	II	16	
										18	146				.064	X			1																			
										18	88	.064	.060				X																						
										18	160	.064	.060			X			2																				
										18	56		.060		.064			2-18'																				
										24	228	.064	.060			X			1																				
										30	64				.079	X			1																				
SUBTOTALS										1.25	62	(COPPER TUBE)																											
SHEET #13										1	161	(COPPER TUBE)																											
										6	223	(SLEEVE)		(PVC SCHEDULE 40)																										
										18	58				.064							47.2	3964	5-A		4.9	1242	200		72	1386	219	598				7	6	
										18	194	.064	.060			X								4-B											97	II	13	
										18	410		.060		.064		X																					
										18	180	.064	.060				X																						
										24	88	.064	.060			X																						
										36	154	.079	.075			X																						
										60	258		.135		.138																								
SUBTOTALS										15	212	.064	.060				X					16.2	1433	6-A		3.2	640	89	207				6		92	I	6	9	
SHEET #14										18	136	.064	.060				X		1					1-E										151	II	15	
										18	158	.064	.060			X			1																		
										18	48			III	.064		X																					
										24	144	.064	.060				X																						
GRAND TOTALS										0.5	100	(PLASTIC WATER PIPE)																											
										1.25	62	(COPPER TUBE)																											
										1	161	(COPPER TUBE)																											
										6	388	(SLEEVE)		(PVC SCHEDULE 40)																										
										12	40		.060		.064			2-12'		1		79.5	6823	15-A		8.1	2586	289	1076	72	1386	219	604	567	147	I	18	26	
										15	494			III	.064	X			1					4-B											259	II	44	
										15	212	.064	.060				X							4-E														
										18	58				.064																								
										18	146				.064	X			1																			
										18	512	.064	.060			X			3																			
										18	56		.060		.064			2-18'																				
										18	410		.060		.064		X																					
										18	48			III	.064		X																					
										18	404	.064	.060				X		1																			
										24	144	.064	.060				X																					
										24	316	.064	.060					X		1																		
										30	64				.079		X			1																		
										36	154	.079	.075				X																					
										60	258		.135		.138																								
TOTALS																																						

STA.	STA.	LT.	RT.
TOTALS			

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB		MKR PST
TOTALS											

END TREATMENT

PROJECT NAME MORETOWN
PROJECT NUMBER RS EGC RS0167(9)

09-MAY-2000 DE132DR4
SHEET 15 OF 243 SHEETS

EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

V.C.	%GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON CURVES	CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	AREA	CU. YDS.
													C	99
		162+18.50	480.82	480.82	0.00								R	0
													F	0
		+50	479.05	479.13	+0.08								EX-C	99
		163+00	476.25	476.76	+0.51									
		+50	473.44	474.77	+1.33		BUTT							
		+70	472.32	474.08	+1.76		4							
						30		8						
		164+00	470.64	473.17	+2.53		10							
		+18.5	469.60	472.67	+3.07									
		+34	469.68	472.29	+2.61	50		20						
		+50	469.77	471.95	+2.18		12							
		+80	469.93	471.40	+1.47									
						50		71						
		165+00	470.03	471.11	+1.08		65							
		+20	470.14	470.88	+0.74									
						50		266						
		+35.5	470.22	470.75	+0.53									
		+50	470.30	470.66	+0.36		222							
		+70	470.41	470.59	+0.18									
						50		502						
		166+00	470.56	470.59	+0.03		320							
		+18.5	470.66	470.66	0.00									
						50		516						
		+50	470.83	470.87	+0.04		237				0			
						50		386				0		
		167+00	471.10	471.34	+0.24		180				0		C	3416
						50		366				0	R	0
		+50	471.36	471.97	+0.61		215				0		F	60
													F-FAC	1.15
		+68.5	471.46	472.26	+0.80								EX-C	3347
						50		403				1		
		168+00	472.30	472.80	+0.50		220				1			
		+27	473.02	473.32	+0.30									
						50		383				3		
		+50	473.63	473.80	+0.17		194				2			
						50		289				7		
		169+00	474.96	474.97	+0.01		118				6			
		+18.5	475.45	475.45	0.00									
						50		185				18		
		+50	476.29				82				13			
		+55	476.42											
						50		120				31		
		170+00	477.62				48				20			
						50		63				58		
		+50	478.94				20				43			
						50		19				139		
		171+00	480.27				0				107			
						50		0				192		
		+50	481.60	481.60	0.00		0				100			
						50		0				199		
		172+00	482.93	482.83	-0.10		0				115			
		+31	483.76	483.49	-0.27									
						50		0				239		
		+50	484.26	483.84	-0.42		0				143			
		+75	484.93	484.28	-0.65									
						50		0				201	C	849
		173+00	485.59	484.65	-0.94		0				74		R	0
						50		48				89	F	1563
		+50	486.92	485.26	-1.66		52				22		F-FAC	1.15
						50		170				20	EX-F	948
		174+00	488.25	485.65	-2.60		132				0			
						50		317				0		
		+50	487.50	485.84	-1.66		210				0			
		+58	487.38	485.85	-1.53									
		+70	487.20	485.85	-1.35									
		+93	486.86	485.83	-1.03									
						50		232				426		
		175+00	486.75	485.81	-0.94		41				460			
				CARRIED FORWARD										
				COLUMN FOOTINGS				4364				1623		

+5.0606 %

800' VC

-2.0920 %

V.C.	%GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON CURVES	CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	AREA	CU. YDS.
		175+00	486.75	485.81	-0.94		41				460			
						50		38				1204		
		+50	486.00	485.58	-0.42		0				840			
						50		0				1713		
		176+00	485.25	485.15	-0.10		0				1010			
						50						2176	C	38
		+50	484.50	484.50	0.00						1340		R	0
						50						2763	F	24844
		177+00	483.75	483.86	+0.11						1644		F-FAC	1.15
						50						3063	EX-F	28533
		+50	483.00	483.46	+0.46						1664			
						50						2908		
		178+00	482.25	483.27	+1.02						1477			
		+11.5	482.08	483.27	+1.19									
						50						2409		
		+50	481.50	483.32	+1.82						1125			
						50						2413		
		179+00	480.75	483.60	+2.85						1481			
						50						2908		
		+50	480.00	484.10	+4.10						1660			
						50						3287		
		180+00	481.98	484.83	+2.85						1890			
		+29	483.13	485.35	+2.22	50						3718		
		+50	483.97	485.79	+1.82						2125			
						50						4036		
		181+00	485.95	486.97	+1.02						2234			
						50						4100		
		+50	487.93	488.39	+0.46						2194		C	158
													R	0
		+63	488.45	488.79	+0.34								F	28760
						50						3831	F FAC	1.15
		+71.10	488.77	489.05	+0.28								EX-F	32916
		182+00	489.91	490.02	+0.11						1943			
						50						3333		
		+50	491.90	491.90	0.00						1657			
						50						2865		
		183+00	493.88								1437			
						50						2439		
		+50	495.86								1197			
		+56.26	496.11	496.11	0.00									
		+95	497.65	497.59	-0.06	50						2025		
		184+00	497.85	497.77	-0.08		0				990			
						50		0				1602		
		+50	499.83	499.47	-0.36		0				740			
						50		158				811		
		185+00	501.81	500.96	-0.85		171				136			
						50		292				126		
		+50	503.79	502.24	-1.55		144				0			
						50		259				0		
		186+00	505.78	503.33	-2.45		136				0			
		SURVEY PC												
		186+26.78	=											
		REVISED POT												
		186+20.52	506.84	503.82	-3.02	50		340						
		EQ. =+6.26												
		+43.74	507.76	504.20	-3.56		231							
		+50	508.01	504.29	-3.72									
						50		511						
		+75	509.00	504.64	-4.36									
		+93.74	508.74	504.87	-3.87		321							
		187+00	508.65	504.93	-3.72									
		+06.74	508.55	505.00	-3.55	50.01		602						
		+43.75	508.04	505.33	-2.71		329							
		+50	507.95	505.37	-2.58	50.02		506						
		+93.77	507.33	505.57	-1.76		217				0			
		188+00	507.25	505.60	-1.65									
				CARRIED FORWARD				2510				126		
				COLUMN FOOTINGS				2706				53730		

-2.0920 %

V.C.	%GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON CURVES	CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	AREA	CU. YDS.
		188+00	507.25	505.60	-1.65									
						50.01		315				6		
		+43.78	506.63	505.62	-1.01		123				6			
		+50	506.55	505.62	-0.93	50.01		150				15		
		+93.79	505.93	505.46	-0.47		39				10		C	3201
		189+00	505.84	505.43	-0.41	50.01		82				16	R	0
													F	177
		+43.80	505.23	505.10	-0.13		50				7		F FAC	1.15
		+50	505.14	505.04	-0.10								EX-C	2997
		+61.81	504.98	504.92	-0.06	50.01		144				14		
		+68	504.89	504.85	-0.04									
		+93.81	504.53	504.53	0.00		105				8			
		190+00	504.44	504.44	0.00									
						50.00		182				17		
		+43.81	503.83				92				10			
		+50	503.74											
		+75	503.39	503.39	0.00	49.99		109				19		
		+93.80	503.13	503.15	+0.02		26				10			
		191+00	503.04	503.07	+0.03									
		+15.80	502.82	502.90	+0.08	49.99		44				52		
		+22	502.73	502.84	+0.11									
													C	2107
		+43.79	502.42	502.66	+0.24		21				46		F	749
													F FAC	1.15
		+50	502.34	502.62	+0.28								EX-C	1246
		+66.78	502.10	502.52	+0.42	49.97		32				154		
		+73	502.01	502.49	+0.48									
		+93.76	501.72	502.42	+0.70		14				120			
		192+00	501.64	502.42	+0.78	49.96		66				220		
		+43.72	501.02	502.44	+1.42		57				118			
		+50	500.93	502.45	+1.52	49.96		150				192		
		+93.68	500.32	502.70	+2.38		105				90			
		+99.68	500.24	502.75	+2.51									
		193+00	500.23	502.75	+2.52	50.02		219				89		
		+06	500.15	502.80	+2.65									
		+43.70	499.62	503.21	+3.59		131				6			
		+50	499.53	503.29	+3.76									
		+63.71	499.34	503.48	+4.14	31.30		152				6		
		+70	499.25	503.58	+4.33									
		+75					131 (BUTT)				4			
		+75					120 (BUTT)				0	0		
						18.73		83						
		+93.73	498.92	503.97	+5.05		120				0			
		194+00	498.83	504.08	+5.25	50.03		380				0		
		+43.76	501.04	504.97	+3.93		290				0			
		+50	501.36	505.12	+3.76	50.03		690						
		+93.79	503.58	506.24	+2.66		455							
		195+00	503.89	506.41	+2.52									
						50.03		987						
		+43.82	506.11	507.74	+1.63		610		0		0			
		+50	506.42	507.94	+1.52	50.03		1093		0		0		
		+93.85	508.64	509.50	+0.86		570		0		0			
		196+00	508.95	509.73	+0.78	50.03		769		0		0		
		+43.88	511.17	511.50	+0.33		260		0		0			
		+50	511.48	511.76	+0.28	50.03		574				0		
		+93.91	513.70	513.75	+0.05		360				0			
				CARRIED FORWARD				3423		0		0		
				COLUMN FOOTINGS				6221		0		800		

+1.1171 %

220' VC

+8.6476 %

design/78el32/del32.dgn

PROJECT NAME MORETOWN
PROJECT NUMBER RS 0167(9)

14-FEB-2000

SHEET 16 OF 243 SHEETS

DEI32E2

EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

V. C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON CURVES	GRADES CORR V. C.	GRADES DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
		196+93.91	513.70	513.75	+0.05		360				0			
		197+00	514.01	514.04	+0.03									
						50.03		547				0		
		+25	515.28	515.28	0.00									
		+43.94	516.24				230				0		C	4574
													F	1780
400' VC	-5.6100 %	+50	516.54										R	60
						50.03		233				16	F FAC	1.15
		+75	517.81	517.81	0.00								R FAC	0.495
													EX-C	2557
		+93.97	518.77	518.75	-0.02		22				17			
		198+00	519.07	519.04	-0.03	50.03		37				146		
							18 BK							
		+44.00	521.30	521.09	-0.21		161 AH				141 BK			
		+50	521.60	521.35	-0.25	6.00	161	36			170 AH	34		
						44.03		131				453		
		+94.03	523.83	523.20	-0.63		0		0		385			
		199+00	524.13	523.43	-0.70	50.03		23		0		647		
		+44.06	526.36	525.08	-1.28		25		0		313			
		+50	526.66	525.29	-1.37	50.02		144		60		484		
		+94.08	528.89	526.74	-2.15		130		65		210			
	+0.5314 %													
		200+00	529.19	526.93	-2.26									
		+16.51	530.03	527.42	-2.61	50.98		713		187		353		
		+22	530.31	527.58	-2.73									
		+45.06	531.47	528.21	-3.26		625		133		164			
		+50	531.72	528.34	-3.38	50.97		2544		650		206		
		+96.03	534.05	529.44	-4.61		2070		556		54		C	38308
300' VC													F	1028
		201+00	534.25	529.53	-4.72	25.48		2004		550		60	R	4180
													F FAC	1.15
		+21.51	535.34	529.97	-5.37		2177		610		73		R FAC	0.495
		+25	535.52	530.04	-5.48	25.47		2020		377		83	EX-C	39195
		+46.98	536.63	530.44	-6.19		2105		189		103			
		+50	536.78	530.49	-6.29									
		+75	538.05	530.90	-7.15									
		+78.55	537.98	530.95	-7.03	50.92		3612		207		191		
		+81	537.92	530.98	-6.94									
	+2.6588 %													
		+97.90	537.57	531.21	-6.36		1725		30		100			
		202+00	537.53	531.24	-6.29	25.43		1872		130		49		
		+23.33	537.04	531.51	-5.53		2251		245		3			
		+25	537.00	531.52	-5.48	25.43		2262		300		5		
		+48.76	536.51	531.75	-4.76		2553		393		7			
		+50	536.48	531.76	-4.72	50.70		5387		665		18		
		+99.46	535.45	532.06	-3.39		3185		315		12			
		203+00	535.44	532.06	-3.38									
						50.14		5669		580		21		
		+49.60	534.40	532.13	-2.27		2920		310		11			
		+50	534.39	532.13	-2.26									
						50.13		4791		366		18		
		+99.73	533.35	531.98	-1.37		2241		84		8			
		204+00	533.34	531.97	-1.37									
						50.14		4059		123		16		
500' VC		+49.87	532.30	531.60	-0.70		2131		48		9			
		+50	532.30	531.60	-0.70									
	-1.5000 %					50.13		3375		45		8		
		205+00	531.25	531.00	-0.25		1505		0		0			
		CARRIED FORWARD												
		COLUMN FOOTINGS						39459		4240		2808		

V. C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON CURVES	GRADES CORR V. C.	GRADES DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
		205+00	531.25	531.00	-0.25		1505		0		0			
						25		1254		0		11		
		+25	530.73	530.62	-0.11		1203		0		23			
						25.01		952				14		
		+48.50	530.24	530.21	-0.03									
		+50	530.21	530.18	-0.03									
		+50.01	530.20	530.17	-0.03		853				7			
		+75	529.68	529.68	0.00	34.96		772				5		
		+84.97	529.47				340				0			
		+85	529.47											
						14.96		126				4		
		+99.93	529.16				114				15			
		206+00	529.16											
		+25	528.64											
		+31.31	528.50											
		+31.50	528.50											
						49.79		217				14		
		+49.72	528.12				121				0			
		+50	528.11											
						49.68		116				172		
		+99.40	527.08				5				187			
		207+00	527.07											
		+26.18	526.52											
		+27	526.50											
		+34.61	526.34											
		+35.50	526.32			49.58		5				764		
		+48.98	526.04				0				645			
		+50	526.02											
		+81.66	525.36											
		+83	525.33											
						49.51						1151		
		+98.49	525.01								610		C	4342
													R	63
		208+00	524.98										F	5038
		+14.32	524.68										R-FAC	0.495
		+16	524.64										F-FAC	1.15
		+31.13	524.32										EX-F	1421
		+33	524.28											
						49.45						1122		
		+47.94	523.97								615			
		+50	523.93											
		+67.71	523.56											
		+70	523.51											
						49.42						1081		
		+97.36	522.94				0		0		566			
		209+00	522.88											
						49.41		393		0		612		
		+46.77	521.90				430		0		103			
		+50	521.84											
						31.63		349		29		63		
		+78.40	521.24				165		50		5			
		+82	521.17			17.79		113		26		15		
		+96.19	520.87				177		30		40			
		210+00	520.79			6.81		45		8		10		
		+03	520.73				177		30		40			
							BUTT		BUTT		BUTT			
							END PROJECT RSEGC-RS 0167(9)							
							BEGIN PROJECT BRS 0167(11)							
		CARRIED FORWARD												
		COLUMN FOOTINGS						4342		63		5038		

V. C.	% GRADE	STATION	GRADES ELEVATION ON TANGENT	GRADES ELEVATION ON CURVES	GRADES CORR V. C.	GRADES DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.		
							TOWN HIGHWAY 66							
		0+20	488.89									0		
		0+21	488.88	488.88	0.00	10						10		
		0+30	488.78	488.80	+0.02							55		
						17						183		
		0+47	488.59	488.74	+0.15							525		
		0+50	488.55	488.74	+0.19	23						454		
													C	98
		0+70	488.33	488.86	+0.53							540	F	1862
						17						373	F-FAC.	1.15
		0+87	488.14	489.11	+0.97							645	EX-F	2043
						11						210		
		0+98	488.02	489.35	+1.32							385		
		1+00	488.00	489.39	+1.39	33						382		
		1+31	487.65	490.34	+2.69							240		
		1+50	489.29	491.13	+1.84	30						189		
	-1.4028 %	1+61	490.24	491.66	+1.42			0				100		
						33		21				61		
		1+94	493.10	493.59	+0.49			35				0		
		2+00	493.62	493.99	+0.37	26		34						
		2+20	495.35	495.45	+0.10			35						
		2+41	497.16	497.16	0.00	33		43						
		2+50	497.94											
		2+53	498.20				35							
							BUTT							
650' VC														

EARTHWORKS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

V.C.	%GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON CURVES	CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	AREA	CU. YDS.
								TOWN HIGHWAY 12						
	+6.3000 %	REVISED ML												
		207+98.47	=											
		TH 12												
		19+93.35	525.00										C	11331
		20+05.35	525.76										F	527
													R	158
X	X	+13.35	526.26	526.26	0.00						0		F-FAC	1.15
						16.66						39	R-FAC	0.495
		+30.01	526.61	526.73	+0.12		0				125		EX-C	10803
						20.10		25				125		
		+34.01	526.69	526.88	+0.19									
	+2.1000 %													
		+43.05	526.88	527.26	+0.38									
		+50	527.03	527.62	+0.59									
		+50.11	527.03	527.62	+0.59		66				210			
100' VC		+63.35	527.31	528.40	+1.09									
		+71.61	528.20	528.96	+0.76									
						52.84		262				205		
		+94.01	530.63	530.79	+0.16									
		+95.11	530.75	530.90	+0.15									
		+98.45	531.11	531.21	+0.10									
		21+00	531.28	531.36	+0.08									
		+02.95	531.59	531.64	+0.05		202				0			
X	+10.8197 %	+13.35	532.72	532.72	0.00									
						56.72		2035						
		+50	536.69											
		+59.67	537.73				1735		0					
						36.75		2656		82				
		+96.42	541.71				2167		121					
		22+00	542.10			34.08		2251		76				
		+30.50	545.40				1400		0		0			
		+50	547.51			51.66		1918				24		
		+82.16	550.98				605				25			
		23+00	552.91											
						71.65		1042				80		
		+50	558.32											
		+53.81	558.74				180				35			
		24+00	563.73			63.60		452				48		
		+17.41	565.62				204				6			
		+50	569.14			57.84		404				6		
		+75.25	571.88				173				0			
		25+00	574.55			54.75		226						
X		+30	577.80				50							
	SPLINE					49.69		60						
		+79.69	582.72				15							
							BUTT							
						CARRIED FORWARD								
DEI32ES						COLUMN FOOTINGS		11331		158		527		

V.C.	%GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON CURVES	CORR V.C.	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK CU. YDS.	ROCK EXCAVATION AREA	ROCK EXCAVATION CU. YDS.	EMBANKMENT AREA	EMBANKMENT CU. YDS.	AREA	CU. YDS.
								TOWN HIGHWAY 2						
	+6.3000 %	REVISED ML												
		209+81.36	=											
		TH 2												
		29+92.68	521.18											
X		30+12.68	522.44											
		+12.70	522.44	522.44	0.00		0		0		0		C	7141
						12.3		26		5		3	F	4663
		+25	522.70	522.68	-0.02		115		21		15		R	2830
						25		253		10		7	F-FAC.	1.15
		+50	523.22	523.02	-0.20		432		0		1		R-FAC.	0.495
	+2.0958 %					25		381				9	EX-C	3179
		+75	523.75	523.18	-0.57		391				18			
						25		239				20		
X	174.60' VC	31+00	524.27	523.15	-1.12		125				26			
						25		99				12		
		+25	523.51	522.94	-0.57		88				0			
						25		189				7		
		+50	522.76	522.56	-0.20		320		0		15			
		+65	522.30	522.23	-0.07									
						50		949		468		14		
	-3.0248 %	+87.30	521.63	521.63	0.00									
		32+00	521.25	521.26	+0.01		705		505		0			
						50		1542		1199				
		+50	519.73	519.93	+0.20		960		790					
		+75	518.98	519.36	+0.38	50		1671		940				
	312.70' VC	33+00	518.22	518.85	+0.63		845		225		0			
X		+43.65	516.90	518.11	+1.21	50		1070		208		34		
		+50	516.91	518.03	+1.12		311		0		37			
						50		288				282		
	+0.0780 %	34+00	516.94	517.44	+0.50		0				268			
		+32	516.97	517.20	+0.23	50		0				739		
		+50	516.98	517.10	+0.12		0				530			
						50		0				1002		
X		35+00	517.02	517.02	0.00		0				552			
						50		18				876		
	200' VC	+50	517.06	516.94	-0.12		19				394			
						50		66				530		
X		36+00	517.10	516.63	-0.47		52				178			
						50		138				378		
		+50	516.20	516.08	-0.12		97				230			
						50		120				481		
X	-1.8000 %	37+00	515.30	515.30	0.00		33				290			
						50		61				269		
		+50	514.40				33				0			
						25		31				0		
		+75	513.95				33				0			
							BUTT							
						CARRIED FORWARD								
						COLUMN FOOTINGS		7141		2830		4663		

SUMMARY AND BALANCES

STATION TO STATION		TOTAL EXCAV EARTH & ROCK	ROCK EXCAV CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXCESSES CUT	EXCESSES FILL	ACCUMULATIVE EXCESSES CUT	ACCUMULATIVE EXCESSES FILL
161+00	165+00	99	0	0	99		99	
165+00	170+00	3416	0	60	3347		3446	
170+00	175+00	849	0	1563		948	2498	
175+00	180+00	38	0	24844		28533		26035
180+00	185+00	158	0	28760		32916		58951
185+00	190+00	3201	0	177	2997			55954
190+00	195+00	2107	0	749	1246			54708
195+00	200+00	4574	60	1780	2557			52151
200+00	205+00	38308	4180	1028	39195			12956
205+00	210+03	4342	63	5038		1421		14377
MAINLINE								
SUB-TOTALS		57092	4303	63999				
TH 66		98	0	1862		2043		16420
TH 12		11331	158	527	10803			5617
TH 2		7141	2830	4663	3179			2438
DRIVES		1285	0	11684		12152		14590
OVERBREAKAGE(ML&TH2)		280	280	0	419			14171
REMOVAL OF PAVEMENT O'-2' BELOW SUBGRADE		166	0	166		25		14196
CUT TO FILL TRANSITIONS		248	0	248		37		14233
FILL FOR EXCAV. SURF. & PAVEMENTS		0	0	470		540		14773
FROM DRAIN. SHEET: EXCAV. SPEC. DITCH		1076	0	0	1076			13697
BRIDGE 300 SERIES(RET. WALL)		2630	0	0	2630			11067
TOTALS		•81347	7571	•83619				

•NOTE: CUT QUANTITIES INCLUDE DESIGNED SAND BORROW
FILL QUANTITIES EXCLUDE DESIGNED SAND BORROW

SHEET NO.	COL. NO.	SUMMARY BY COLUMNS EXCAVATION TOTAL CY	EXCAVATION ROCK CY	EMBANKMENT CY
	1	4364	0	1623
	2	2706	0	53730
	3	6221	0	800
	1	39459	4240	2808
	2	4342	63	5038
MAINLINE				
SUB-TOTALS		57092	4303	63999
TOWN HIGHWAYS 66, 12, AND 2				
	3	98	0	1862
	1	11331	158	527
	2	7141	2830	4663
DRIVES		1285	0	11684
OVERBREAKAGE		280	280	0
REMOVAL OF PAVEMENT O'-2' BELOW SUBGRADE		166	0	166
CUT TO FILL TRANSITIONS		248	0	248
FILL FOR EXCAV. SURF. &PAVEMT'S		0	0	470
FROM DR. SHEET EXCAV. SPEC. DITCHES		1076	0	0
BRIDGE 300 (RET. WALL)		2630	0	0
TOTALS		81347	7571	83619

REMARKS

EARTH AND ROCK EXCAVATION	81347
SOLID ROCK EXCAVATION	7571
EARTH EXCAVATION	73776
PLANIMETERED FILL	83619
LESS [redacted] SOLID ROCK FILL	7571
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0
NET PLANIMETERED FILL	76048
FACTOR 0.15	11407
PLANIMETERED FILL INCLUDING FACTOR	87455
MATERIALS AVAILABLE FOR FILLS	
EARTH EXCAVATION	73776
CHANNEL EXCAVATION 40% X 75	30
UNDERDRAIN EXCAVATION 60% X 1971	1183
STRUCTURE EXCAVATION (60%X1400+100%X9300)	10140
TOTAL MATERIAL AVAILABLE FOR FILL	85129
TOTAL FILL INCLUDING FACTOR	87455
TOTAL MATERIAL FOR FILL	85129
BORROW	2326
EXCESS EXCAVATION	

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PROJECT NAME MORETOWN
PROJECT NUMBER RS 0167(9)

16-FEB-2000
SHEET 18 OF 243 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION
RIGHT OF WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
1A	TURNER, FLORENCE P.	11,15	164+67 RT. 164+72 RT. 164+37 RT. 165+17 RT.	166+77 RT. 164+75 RT.	0.08A±		EXCEPT & RESERVE DRIVE (T)	WD	03-31-94	MORETOWN	52	649-650	3339 S.F.± WATERLINE 12' PAVED M.P. 0699 DRIVE 14' PAVED M.P. 0701
1B			164+90 LT. 165+38 LT.				DRAINAGE (P)						DRIVE 24' PAVED M.P. 0700
2A	SCRIBNER, STANLEY R., SR. & CATHERINE J.	11,12 13,14 15,16 18	165+38 LT. 165+36 LT. 165+40 LT. 167+35 LT. 170+85 LT. 174+00 LT. 174+63 LT. 174+90 LT. 178+12 LT. 180+00 LT. 182+00 LT.	185+00 LT. 172+80 LT. 171+50 LT. 185+30 LT. 185+17 LT.	2.70A±		CONST. (T) 0.10A± DRAINAGE (P) SLOPE (P) 0.01A± DRIVE (T) CONST. (T) 0.25A± SLOPE (P) 0.35A± CUL., DIT. & DR. (P) DRIVE (T) CUL., DIT. & DR. (P)	WD		MORETOWN			DRIVE 16' GRAVEL M.P. 0705 70 S.F.± 16' GRAVEL M.P. 0718 12' GRAVEL M.P. 0729
2B			REV. 186+50 LT.	REV. 188+37 LT.	0.10A±								
2C			168+17 LT.	182+43 RT.	0.83A±		ALL R. T. & I.						HWY EASE. RTE. 100B
2D			REV. 186+54 LT.	REV. 188+40 LT.	0.10A±		ALL R. T. & I.						HWY EASE. RTE. 100B
2E			TH 2 35+82 CL. REV. 208+15 RT. TH 2 36+00 RT. TH 2 36+50 RT.	TH 2 37+68 RT. REV. 208+35 RT. TH 2 36+80 RT.	0.11A±		ALL R. T. & I. ALL R. T. & I. SLOPE (P) DRIVE (T)						HWY EASE. TH 2 SPRINGS 180 S.F.± 16' GRAVEL

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	7,12	PARCEL NO. 9 COWAN. ADD EARLINE MARSH, H & W TO TITLE. PER C.O. 8199.	02-25-92	M. J. R.	L. W. B.
2	5,11	PARCEL NO. 3 FERGUSON. CHANGE TITLE TO WILLIAM J. BANDY & SUZANNE M. FONTAINE, H & W. PER C.O. 8200.	02-25-92	M. J. R.	L. W. B.
3	9,13 14	PARCEL NO. 13 GREEN MT. POWER. CHANGE ENDING STA. TO REV. 211+22 RT. PER C.O. 8207.	03-23-92	M. J. R.	L. W. B.
4	1,14	CHANGE ENDING STA. FOR END R.O.W. PROJECT TO REV. 211+22 80' RT. LENGTH OF ROW PROJECT : 4661 FEET, 0.883 MILES. PER C.O. 8208.	03-23-92	M. J. R.	L. W. B.
5	1,9 10,13 14	CREATE NEW PARCEL 13F GREEN MT. POWER CORP. CHANGE ENDING STA. ON PARCEL 2E ON LAYOUT TO TH 2 37+65 27' RT. ADD "REV." TO MAINT. AREAS AND RELINQUISHMENTS THAT INVOLVE TH 12. ADD "CL" TO MAINT. AREA NO. 3 ON LAYOUT. PER C.O. 8216.	05-19-92	M. J. R.	L. W. B.
6	10,12	CREATE NEW PARCELS; NO. 15 CHURCH STREET WATER SYSTEM & NO. 16 MIDDLESEX NON-PROFIT WATER SYSTEM. CHANGE PARCEL NO. 15 VELCO TO NO. 17, AND PARCEL NO. 16 NEW ENGLAND TELEPHONE COMPANY TO NO. 18. PER C.O. 8232.	06-29-92	C. C. P.	L. W. B.
7	4,11	PARCEL NO. 1 TURNER. REMOVE DRIVE (T) FROM RIGHTS COLUMN. ADD "DRIVE 24' PAVED M.P. 0700 IN REMARKS COLUMN. CHANGE DRIVE NOTE ON LAYOUT FROM 164+80 LT. 164+90 LT. PER C.O. 8282.	11-05-92	M. J. R.	L. W. B.
	7	PARCEL NO. 9 COWAN. CHANGE 16' DRIVE AT STA. 184+50 RT. TO 24' DRIVE AT STA. 184+40 RT. PER C.O. 8282.	11-05-92	M. J. R.	L. W. B.
	8	PARCEL NO. 10 AGOSTA. CHANGE 16' DRIVE AT STA. 189+55 LT. TO 24' DRIVE AT STA. 189+57 LT. PER C.O. 8282.	11-05-92	M. J. R.	L. W. B.
	8	PARCEL NO. 13 GREEN MOUNTAIN POWER. CHANGE 15' DRIVE AT 193+49 RT. TO 30' DRIVE AT STA. 193+70 RT. PER C.O. 8282.	11-05-92	M. J. R.	L. W. B.
8	10,13	PARCEL NO. 15 CHURCH STREET WATER SYSTEM. CHANGE NAME TO CHURCH STREET COOPERATIVE WATER CO., INC. PER C.O. 8297.	12-11-92	C. C. P.	L. W. B.

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DATE PLOTTED 23-JUN-1994
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DR.(P)- DRAINAGE RIGHT
DIT.(P)- DITCHING RIGHT
CH.(P)- CHANNEL RT.
DRIVE (T)- DRIVE RIGHT
CUL.(P)- CULVERT RIGHT
[W]- WATER SOURCES

PRESENT R.O.W.
TAKING WITHOUT ACCESS
TAKING WITHOUT ACCESS ALONG PROPERTY LINE
TAKING WITH ACCESS
(P) PERMANENT EASEMENT
(T) TEMPORARY EASEMENT

LEGEND
CZ (P) CLEAR ZONE
CONST. (T) CONSTRUCTION EASEMENT
SR SR SLOPE RIGHTS
P PROPERTY LINE
L
TOP OF CUT
TOE OF SLOPE

REVISED 06-22-94

APPROVED: LAWRENCE BLISS L.S. DATE: 12-16-91
AGENT D. PLANS & TITLES

R. O. W. PLANS

MORETOWN
RSEGC-RS 0167(9)
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STATE OF VERMONT
AGENCY OF TRANSPORTATION
RIGHT OF WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
3A	BANDY, WILLIAM J. & FONTAINE, SUZANNE M.	11,15	167+77 RT. 167+20 RT. 168+27 RT.	169+27 RT. 168+55 RT.	0.09A±		SLOPE (T) 0.01A± DRIVE (T)	WD	02-23-94	MORETOWN	52	647-648	3805 S.F.± 350 S.F.± 12' GRAVEL M.P. 0707
3B			168+17 RT.	169+27 RT.	0.06A±		ALL R. T. & I.						HWY EASE. RTE. 100B 2750 S.F.±
4A	BIGELOW, PAUL W. - TRUST PAUL BIGELOW & FRED G. SMITH - TRUSTEES	11,13 14,15 17,18	169+27 RT. 169+55 RT. 169+27 RT.	169+80 RT. 169+82 RT.	0.02A±		CONST. (T) 0.01A±	WD		MORETOWN			875 S.F.± DRIVE 12' GRAVEL M.P. 0709 325 S.F.±
4B			REV. 197+05 RT. REV. 197+10 RT. REV. 200+68 RT. REV. 200+90 RT.	REV. 198+12 RT. REV. 198+00 RT. REV. 204+26 RT. REV. 204+26 RT.			CONST. (T) 0.02A± SLOPE (P) 0.04A± CONST. (T) 0.07A± SLOPE (P) 0.22A±						1100 S.F.± 1550 S.F.± 3200 S.F.±
4C			REV. 206+73 RT. REV. 208+15 RT. REV. 208+15 RT.	TH 2 30+76 LT. REV. 208+35 RT. REV. 209+90 LT.	0.55A±		ALL R. T. & I. ALL R. T. & I.						SPRINGS WATERLINE
4D			REV. 209+42 RT. REV. 209+05 RT. REV. 209+20 RT. TH 2 31+10 RT. TH 2 34+50 RT TH 2 34+88 RT.	TH 2 35+82 RT. TH 2 33+90 RT. TH 2 30+73 RT. TH 2 33+75 RT. TH 2 34+75 RT.	0.59A±		CONST. (T) 0.10A± SLOPE (P) 0.01A± SLOPE (P) 0.21A± CUL. (T)						280 S.F.± 12' DRIVE
	PARCEL 4E THRU 4J CONTINUED ON NEXT SHEET												

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
9	10	PARCEL NO. 16 MIDDLESEX NON-PROFIT WATER SYSTEM. CHANGE ENDING STATION FROM REV. 193+40 RT. TO REV. 193+40 LT. PER C.O. 8298.	12-11-92	C.C.P.	L.W.B.
10	4	PARCEL NO. 1 TURNER. DELETE ALL R.T. & I. IN SEPTIC AND WATERLINE. PER C.O. 8326.	02-16-93	M.J.R.	L.W.B.
11	1	ADD RELINQUISHMENT #1 TO TITLE SHEET BEGIN STA. MM 0137± (END OF BRIDGE) TO MM 564, RT. 100B PER C.O. 8331.	02-19-93	C.C.P.	L.W.B.
12	4,11,15	PARCEL NO. 1 TURNER. CHANGE ENDING STA. FOR PARCEL 1A TO 166+77 RT.; 0.08A±, 3339 S.F.±. PER C.O. 8396.	06-16-93	M.J.R.	L.W.B.
13	5,11,15	PARCEL NO. 3 BANDY & FONTAINE. CHANGE BEGINNING STA. OF PARCEL 3A TO 166+77 RT. 0.09A±; 3805 S.F.±. PER C.O. 8397.	06-16-93	M.J.R.	L.W.B.
14	5,6,11,13,15	PARCEL NO. 4 BIGELOW & SMITH. CHANGE ENDING STA. OF TAKE TO 169+80 RT., 875 S.F.±; RUNNING DISTANCE OF 53'. CHANGE END OF CONST. (T) TO 169+82 RT.; 325 S.F.±. DELETE TAKE AREA ON 4B. CHANGE ENDING STA. OF SLOPE (P) TO 198+00 RT.; 0.04A±, 1550 S.F.±. CHANGE ENDING STA. OF CONST. (T) TO 198+12 RT.; 0.02A±, 1100 S.F.±. CHANGE BEGINNING STA. OF CONST. (T) TO 200+68 RT. 0.07A±, 3200 S.F.±. CHANGE BEGINNING STA. OF SLOPE (P) TO 200+90 RT.; 0.22A± DELETE PARCEL 4G. PER C.O. 8398.	06-16-93	M.J.R.	L.W.B.
15	8,9,13	PARCEL NO. 13 GREEN MOUNTAIN POWER. CHANGE AREA OF PARCEL 13A FROM 1.08A± TO 2.08A±. CHANGE ENDING STA. OF SLOPE (P) FROM 197+37 RT. TO 198+40 RT., AND CHANGE SLOPE AREA FROM 0.33A± TO 0.39A±. ADD NEW CONST. (T) AT STA. REV. 198+00 RT. ~ REV. 198+56 RT. WITH AREA OF 0.01A± (500 S.F.±). ADD NEW CONST. (T) AT STA. REV. 200+08 RT. ~ REV. 200+90 RT. WITH AREA OF 0.01A± (600 S.F.±). ADD NEW SLOPE (P) AT STA. REV. 200+45 RT. ~ REV. 204+26 RT. WITH AREA OF 0.23A±. CHANGE AREA OF PARCEL 13D FROM 0.77A± TO 1.10A± PER C.O. 8400.	06-16-93	M.J.R.	L.W.B.
16	8	PARCEL NO. 12 AYRES. CHANGE TAKE AREA OF PARCEL 12A FROM 0.04A± (1545 S.F.±) TO 0.02A± (725 S.F.±) ON DETAIL SHEET. PER C.O. 8399.	06-16-93	M.J.R.	L.W.B.

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DATE PLOTTED 17-DEC-1993
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DR. (P)- DRAINAGE RIGHT
DIT. (P)- DITCHING RIGHT
CH. (P)- CHANNEL RT.
DRIVE (T)- DRIVE RIGHT
CUL. (P)- CULVERT RIGHT
[W]- WATER SOURCES

PRESENT R.O.W.
TAKING WITHOUT ACCESS
TAKING WITHOUT ACCESS ALONG PROPERTY LINE
TAKING WITH ACCESS
(P) PERMANENT EASEMENT
(T) TEMPORARY EASEMENT

LEGEND
CZ (P) CLEAR ZONE
CONST. (T) CONSTRUCTION EASEMENT
SR SR SLOPE RIGHTS
P PROPERTY LINE
L
TOP OF CUT
TOE OF SLOPE

REVISED 12-17-93

APPROVED: LAWRENCE BLISS L.S. DATE: 12-16-91
AGENT D. PLANS & TITLES

R.O.W. PLANS
MORETOWN
RSEGC-RS 0167(9)
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STATE OF VERMONT
AGENCY OF TRANSPORTATION
RIGHT OF WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
	SEE PREVIOUS SHEET FOR PARCEL 4A THRU 4D												
4E			REV. TH 12 24+82 LT. REV. TH 12 25+80 LT. REV. TH 12 25+48 LT.	REV. 208+08 RT. REV. 208+30 RT. REV. 208+16 RT.	0.24A±		CONST. (T) 0.10A± SLOPE (P) 0.35A±	WD		MORETOWN			
4F			169+27 RT.	169+77 RT.	0.03A±		ALL R. T. & I.						HWY EASE. RTE. 100B 1250 S.F.±
4G	DELETED												
4H			REV. 206+57 LT. TH 2 34+44 LT. TH 2 34+50 LT. TH 2 36+21 LT.	TH 2 37+70 LT. TH 2 37+20 LT. TH 2 37+32 LT.	0.56A±		ALL R. T. & I. SLOPE (P) 0.24A± CONST. (T) 0.07A± CULVERT & DRAINAGE (P)						TH 2 2950 S.F.±
4I			REV. 206+48 RT.	REV. 206+82 LT.	0.05A±		ALL R. T. & I.						TH 12 2325 S.F.±
4J			REV. 206+48 RT.	REV. TH 12 25+80 LT.	0.23A±		ALL R. T. & I.						TH 12
4K			REV. 196+32 RT.	REV. 198+35 RT.	0.41A±								
4L		14	TH 2 34+44 LT.	TH 2 38+35 LT.	0.55A±								
4M		13	REV. 201+00 RT.	REV. 204+26 RT.	0.22A±								
4N		13	REV. TH 12 20+60 LT.	REV. TH 12 25+40 LT.	0.35A±								
4O		13	REV. 209+20 RT.	REV. 209+48 RT.	0.01A±								280 S.F.±
4P		13,14	TH 2 31+10 RT.	TH 2 33+75 RT.	0.21A±								
4Q		14	TH 2 37+68 RT.	TH 2 38+55 RT.	0.05A±								2250 S.F.±
5A	SPILAK, GEORGE V. & CAROL J.	11,15	169+77 RT. 169+83 RT. 172+25 RT.	172+59 RT. 171+60 RT.	0.11A±		DRIVE (T)	WD	03-09-94	MORETOWN	52	376-377	SPLIT RAIL FENCE 12' GRAVEL M.P. 0714
5B			169+77 RT.	172+49 RT.	0.16A±		ALL R. T. & I.						HWY. EASE. RT 100B

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
17	15	PARCEL NO. 5 SPILAK. ON LAYOUT, CHANGE STATION ALONG TAKE LINE FROM 169+77, 45' RT. TO 169+80, 45' RT. AND CHANGE RUNNING DISTANCE ALONG TAKE LINE FROM 282' TO 279'. PER C.O. 8401.	06-16-93	M. J. R.	L. W. B.
18	7	PARCEL NO. 9 COWAN, MARSH. ON PARCEL 9B, ADD "DRIVE (T)" AT STA. REV. 186+59 RT. AND REMOVE "DRIVE" FROM REMARKS COLUMN. ON PARCEL 9C, ADD "DRIVE (T)" AT STA. 184+40 RT. AND REMOVE "DRIVE" FROM REMARKS COLUMN. ALSO ON PARCEL 9C, AT STA. 185+28 RT.. CHANGE SLOPE AREA FROM 0.07A± TO 0.01A±. PER C.O. 8416.	07-28-93	C. C. P.	L. W. B.
19	11,15	PARCEL NO. 6 MCDONOUGH. CHANGE CONSTRUCT DRIVE NOTE ON PLANS FROM "174+70 RT. (GRAVEL)" TO "174+70 RT. (SUBBASE MOD.)" DUE TO PROPERTY OWNER'S REQUEST. PER C.O. 8394.	08-17-93	C. C. P.	L. W. B.
20	8,12 16	PARCEL NO. 11 CLARK. RELOCATE DRIVE FROM STA. REV. 190+02 RT. TO STA. REV. 190+86 RT. ELIMINATE SLOPE (T) FROM STATION REV. 190+10 RT. TO REV. 190+65 RT. EXTEND SLOPE (T) AT STATION REV. 189+70 RT. TO REV. 190+65 RT. AND INCREASE AREA TO 375 S.F.± PER C.O. 8395.	08-17-93	C. C. P.	L. W. B.
21	4	PARCEL NO. 2E SCRIBNER. ADD "ALL R. T. & I." AT STA. REV. 208+15 RT. ~ REV. 208+35 RT. FOR SPRINGS. PER C.O. 8424.	09-01-93	C. C. P.	L. W. B.
22	9,13	PARCEL NO. 14 BIGELOW, HAYES. REMOVE BIGELOW, PAUL W. FROM TITLE. PER C.O. 8425.	09-01-93	C. C. P.	L. W. B.
23	4,11	PARCEL NO. 1 TURNER. REMOVE HOWARD W. FROM TITLE. PER C.O. 8462.	12-02-93	M. J. R.	L. W. B.
	8, 9, 13	PARCEL NO. 13A GREEN MT. POWER. ADD DRIVE AT STA. 198+50 RT. PER C.O. 8463.			
	17	PARCEL NO. 13B. DELETE CONST. (T) & SLOPE (P). ADD DRIVE (T) AT STA. REV. 198+13 LT. ~ REV. 199+55 LT. ADD DRAINAGE (P) AT REV. 199+44 LT. PER C.O. 8463.			
	5, 11, 13, 14	PARCEL NO. 4 BIGELOW. CHANGE TITLE TO BIGELOW, PAUL W. - TRUST PAUL BIGELOW & FRED G. SMITH - TRUSTEES PER C.O. 8464.			

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DATE PLOTTED 18-JAN-1996
78el32d3.i

DR. (P)- DRAINAGE RIGHT
DIT. (P)- DITCHING RIGHT
CH. (P)- CHANNEL RT.
DRIVE (T)- DRIVE RIGHT
CUL. (P)- CULVERT RIGHT
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PRESENT R.O.W.
TAKING WITHOUT ACCESS
TAKING WITHOUT ACCESS ALONG PROPERTY LINE
TAKING WITH ACCESS
PERMANENT EASEMENT
TEMPORARY EASEMENT

LEGEND
CLEAR ZONE
CONSTRUCTION EASEMENT
SLOPE RIGHTS
PROPERTY LINE
TOP OF CUT
TOE OF SLOPE

REVISED 01-19-96

APPROVED: LAWRENCE BLISS L.S. DATE: 12-16-91
AGENT D. PLANS & TITLES

R. O. W. PLANS

MORETOWN
RSEGC-RS 0167(9)
Sheet 22 of 243
SHEET 6 OF 20

STATE OF VERMONT
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RIGHT OF WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
6A	MCDONOUGH, CHARLES D., SR. &	11,15	172+49 RT.	175+18 RT.	0.05A±			WD	03-24-94	MORETOWN	52	655-656	2340 S.F.±
	DOROTHEA E.		173+82 RT.	175+20 RT.			SLOPE (T) 0.01A±						320 S.F.±
			174+40 LT.	174+40 RT.			ALL R. T. & I.						SEWER LINE
			174+70 RT.				DRIVE (T)						16' M.P. 0719
6B			172+49 RT.	178+17 RT.	0.33A±		ALL R. T. & I.						HWY EASE. RTE. 100B
7	YALICKI, CARL &	11,12	178+14 RT.	181+71 RT.	0.21A±		ALL R. T. & I.	WD		MORETOWN			HWY EASE. RTE. 100B
	FRIBERG, CAROLYN J.	15,16	TH 66 1+20 RT.	TH 66 1+45 RT.			SLOPE (T) 0.01A±						25 S.F.±
8	LEWIS, GREGORY A. & DIANE L.	12,16	181+68 RT.	182+45 RT.	0.04A±		ALL R. T. & I.	WD	04-27-94	MORETOWN	53	147-148	HWY EASE. RTE. 100B
			TH 66 1+30 LT.	182+20 RT.			SLOPE (T) 0.01A±						1888 S.F.±
													360 S.F.±
9A	COWAN, WAVELL F. &	12,16	182+37 RT.	REV. 186+54 LT.	0.52A±			WD		MORETOWN			
	MARSH, EARLINE		185+70 LT.	REV. 186+60 LT.									PARKING AREA
9B			185+63 RT.	REV. 188+42 RT.	0.09A±								3744 S.F.±
			186+18 RT.	REV. 188+30 RT.			SLOPE (T) 0.05A±						2140 S.F.±
			REV. 186+59 RT.				DRIVE (T)						12' PAVED M.P. 0741
			REV. 187+12 RT.	REV. 188+42 RT.			ALL R. T. & I.						WATERLINE
9C			182+40 RT.	REV. 188+41 RT.	0.59A±		ALL R. T. & I.						HWY EASE. RTE. 100B
			183+08 RT.	184+50 RT.			SLOPE (T) 0.25A±						
			184+15 RT.	184+63 RT.			CULVERT (T)						
			184+40 RT.				DRIVE (T)						24' GRAVEL M.P. 0737
			185+28 RT.	185+88 RT.			SLOPE (T) 0.01A±						300 S.F.±

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
24	8,12	PARCEL NO. 11 CLARK. CHANGE SLOPE (T) AT STA. REV. 191+18 RT. ~ REV. 191+35 RT. TO INSTALL (T), 'OVERFLOW PIPE.' PER C.O. 8475.	12-15-93	M.J.R.	L.W.B.
25	7,12 16	PARCEL NO. 9 COWAN & MARCH. ADD CULVERT (T) AT STA. 184+15 RT. ~ 184+63 RT. PER C.O. 8477.	12-17-93	M.J.R.	L.W.B.
26	5,14 18	PARCEL NO. 4 BIGELOW & SMITH. REPLACE EXISTING LOGGING ROAD. ADD 12' DRIVE AT STA. TH 2 34+88 RT. ADD CULVERT (T) AT STA. TH 2 34+50 RT. ~ TH 2 34+75 RT. PER C.O. 8423.	12-17-93	M.J.R.	L.W.B.
27	10,12 13	CREATE NEW PARCEL NO. 19 TOWN OF MORETOWN. PARCEL 19A: T.H. 66 0+92 CL. ~ T.H. 66 2+53 CL., APPROACH (T). PARCEL 19B: REV. 206+30 LT. ~ REV. 206+73 RT., ALL R. T. & I., T.H. 12; REV. 206+48 RT. ~ REV. T.H. 12 25+80 CL., APPROACH (T). PARCEL 19C: REV. 206+57 LT. ~ T.H. 2 31+48 LT., ALL R. T. & I. PER C.O. 8489.	01-17-94	C.C.P.	L.W.B.
28	8	PARCEL NO. 13 GREEN MOUNTAIN POWER. CHANGE ENDING STATION ON 'ALL R. T. & I.' TO WATERLINE FROM REV. 193+40 RT. TO REV. 193+40 LT. PER C.O. 8490.	01-17-94	C.C.P.	L.W.B.
29	4,11	PARCEL NO. 1 TURNER. ADD EXCEPT & RESERVE FOR WATERLINE AT STATION 164+72 RT. ~ 164+75 RT. PER C.O. 8492.	01-17-94	C.C.P.	L.W.B.
30	10,14	PARCEL NO. 19 TOWN OF MORETOWN. ON PARCEL 19B, CHANGE ENDING STA. FOR 'ALL R. T. & I.' TO 206+82 LT. CHANGE ENDING STA. FOR 'APPROACH (T)' FROM 25+80 CL. TO 25+80 LT. ON PARCEL 19C, ADD 'APPROACH (T)' AT STA. TH 2 30+76 LT. ~ TH 2 37+25 CL. PER C.O. 8499.	02-07-94	C.C.P.	L.W.B.
31	4,11 12,15 16	PARCEL NO. 2 SCRIBNER. DELETE DRIVE (T) AT STA. REV. 186+94 LT. ADD DRIVE (T) AT STA. 180+00 LT. DUE TO DRIVE RELOCATION. PER C.O. 8566.	06-22-94	C.C.P.	L.W.B.
32	11	PARCEL NO. 4 BIGELOW. ADD NOTE FOR WOVEN WIRE GATE AT STA. 169+55 RT. 16' WIDE.	09-16-94	M.J.R.	L.W.B.
	13	ADD NOTE FOR WOVEN WIRE GATE AT REV. STA. 198+50 RT. 16' WIDE.			
	14	ADD NOTE FOR WOVEN WIRE GATE AT TH 2 34+88 RT. 16' WIDE. PER C.O. 8540.			

0167009 201 1805 78E132

ACCT.prop
/prop/78el32/rel32d.dgn
DATE PLOTTED 8-MAR-1995
78el32d4.1

DR. (P)- DRAINAGE RIGHT
DIT. (P)- DITCHING RIGHT
CH. (P)- CHANNEL RT.
DRIVE (T)- DRIVE RIGHT
CUL. (P)- CULVERT RIGHT
[W]- WATER SOURCES

PRESENT R.O.W.
TAKING WITHOUT ACCESS
TAKING WITHOUT ACCESS ALONG PROPERTY LINE
TAKING WITH ACCESS
(P) PERMANENT EASEMENT
(T) TEMPORARY EASEMENT

LEGEND
CZ (P) CLEAR ZONE
CONST. (T) CONSTRUCTION EASEMENT
SR SR SLOPE RIGHTS
P PROPERTY LINE
L TOP OF CUT
TOE OF SLOPE

REVISED 02-21-95

APPROVED: LAWRENCE BLISS L.S. DATE: 12-16-91
AGENT D. PLANS & TITLES

R.O.W. PLANS
MORETOWN
RSEGC-RS 0167(9)
Sheet 23 of 243
SHEET 7 OF 20

STATE OF VERMONT
AGENCY OF TRANSPORTATION
RIGHT OF WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
10A	AGOSTA, NEVIO E.	12,16	REV. 188+37 LT. REV. 189+57 LT.	REV. 190+40 LT.	0.03A±		DRIVE (T)	WD	02-26-94	MORETOWN	52	368-369	1504 S.F.± 24' GRAVEL M.P. 0747
10B			REV. 188+37 LT.	REV. 190+40 LT.	0.11A±		ALL R. T. & I.						VT. 100B
11A	CLARK, LARRY R. & KIMBERLEE S.	12,16	REV. 188+41 RT. REV. 188+42 RT. REV. 189+70 RT. REV. 190+86 RT. REV. 191+18 RT.	REV. 191+37 RT. REV. 191+36 RT. REV. 189+94 RT. REV. 191+35 RT.	0.19A±		ALL R. T. & I. SLOPE (T) 0.01A± DRIVE (T) INSTALL (T)	WD	03-09-94	MORETOWN	52	374-375	WATERLINE 375 S.F.± 10' GRAVEL M.P. 0750 OVERFLOW PIPE
11B			REV. 188+40 LT.	REV. 191+39 LT.	0.17A±		ALL R. T. & I.						HWY EASE. RTE. 100B
12A	AYRES, ROBERT A. & JODY B.	12,16	REV. 190+40 LT. REV. 191+21 LT. REV. 191+21 LT. REV. 191+59 LT.	REV. 192+50 LT. REV. 191+32 RT. REV. 191+32 RT.	0.02A±		ALL R. T. & I. DRIVE (T)	WD		MORETOWN			725 S.F.± WATERLINE SLEEVE 12' GRAVEL M.P. 0751
12B			REV. 190+40 LT.	REV. 192+50 LT.	0.12A±		ALL R. T. & I.						HWY EASE. RTE. 100B
13A	GREEN MOUNTAIN POWER CORPORATION	12,13 14,16 17,18	REV. 191+32 RT. REV. 192+95 RT. REV. 193+70 RT. REV. 193+70 RT. REV. 193+85 RT. REV. 198+50 RT. REV. 200+08 RT. REV. 200+45 RT. REV. 198+00 RT.	REV. 204+30 RT. REV. 193+40 RT. REV. 197+10 RT. REV. 198+40 RT. REV. 200+90 RT. REV. 204+26 RT. REV. 198+56 RT.	2.08A±		ALL R. T. & I. DRIVE (T) CONST. (T) 0.08A± SLOPE (P) 0.39A± CONST. (T) 0.01A± SLOPE (P) 0.23A± CONST. (T) 0.01A±	WD		MORETOWN			WATERLINE 30' GRAVEL M.P. 0754 3500 S.F.± DRIVE 16' GRAVEL M.P. 0763 600 S.F.± 500 S.F.±

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
33	9,12	PARCEL NO. 13 GREEN MT. POWER. CREATE NEW PARCEL 13G; CONST. (T) FROM REV. 193+57 RT. ~ REV. 196+37 RT., 4100 S.F.±, 0.09A±. SLOPE (P) FROM REV. 193+66 RT. ~ REV. 197+06 RT.; 0.90A±. BY OPTION ONLY. CREATE NEW PARCEL 13H. CONST. (T) FROM REV. 198+22 RT. ~ REV. 198+55 RT.; 200 S.F.±; 0.01A±. BY OPTION ONLY.	11-15-94	M. J. R.	L. W. B.
34	6,13	PARCEL NO. 4 BIGELOW. CREATE NEW PARCEL 4K CONST. (T) FROM REV. 196+32 RT. ~ REV. 198+35 RT.; 2750 S.F.±; 0.06A±. SLOPE (P) FROM REV. 196+37 RT. ~ REV. 198+22 RT.; 0.28A±. BY OPTION ONLY.	11-15-94	M. J. R.	L. W. B.
35	6,13	PARCEL NO. 4K BIGELOW. REMOVE RIGHTS FOR SLOPE (P) & CONST. (T). MAKE AREA ENTIRE FEE ACQUISITION; 0.34A±. PER C.O. 8647.	02-21-95	M. J. R.	L. W. B.
36	6,13 14	PARCEL NO. 4 BIGELOW TRUST. CREATE NEW SUB-PARCELS 4L-4Q. PER C.O. 8762.	01-19-96	M. J. R.	L. W. B.
37	9,12 13	PARCEL NO. 13 GREEN MT. POWER. REMOVE SUB PARCELS 13G & 13H. RECREATE SLOPE LIMIT THAT WAS PROPOSED AT TIME OF CONDEMNATION. PER C.O. 9012. MYLARS TO LARRY WHEELER 10-27-99	12-04-98	M. J. R.	L. W. B.

0167009 201 1805 78E132

ACCT.prop
/prop/78el32/rel32d.dgn
DATE PLOTTED 4-DEC-1998
78el32d5.i

DR. (P)- DRAINAGE RIGHT
DIT. (P)- DITCHING RIGHT
CH. (P)- CHANNEL RT.
DRIVE (T)- DRIVE RIGHT
CUL. (P)- CULVERT RIGHT
[W]- WATER SOURCES

PRESENT R.O.W.
TAKING WITHOUT ACCESS
TAKING WITHOUT ACCESS ALONG PROPERTY LINE
TAKING WITH ACCESS
(P) PERMANENT EASEMENT
(T) TEMPORARY EASEMENT

LEGEND
C&T (P) CLEARING & TRIMMING
CZ (P) CLEAR ZONE
CONST. (T) CONSTRUCTION EASEMENT
SR SR SLOPE RIGHTS
P L PROPERTY LINE
TOP OF CUT
TOE OF SLOPE

REVISED 12-04-98

APPROVED: LAWRENCE BLISS L.S. DATE: 12-16-91
AGENT D. PLANS & TITLES

R. O. W. PLANS

MORETOWN
RSEGC-RS 0167(9)
Sheet 24 of 243
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STATE OF VERMONT
AGENCY OF TRANSPORTATION
RIGHT OF WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
13B	GREEN MOUNTAIN POWER CORPORATION (CONTINUED FROM PREVIOUS SHEET)		REV. 192+50 LT. REV. 192+69 LT. REV. 194+00 LT. REV. 197+65 LT. REV. 198+13 LT. REV. 199+44 LT. REV. 201+80 LT. REV. 205+32 LT. REV. 205+40 LT.	REV. 205+85 LT. REV. 199+55 LT. REV. 205+40 LT.	0.70A±		 DRAINAGE (P) DRIVE (T) DRAINAGE (P) DRAINAGE (P) CULVERT (P) DRAINAGE (P)	WD		MORETOWN			DRIVE 35' GRAVEL M.P. 0753 STEEL TOWER
13C			REV. 208+00 LT. REV. 207+50 LT. REV. 207+70 LT. REV. 208+50 LT. REV. 210+00 LT.	REV. 211+22 RT. REV. 209+65 LT. REV. 209+45 LT.	0.37A±		EASE. (T) 0.04A± SLOPE (P) 0.06A± DRAINAGE (P) DRAINAGE (P)						1800 S.F.± 2680 S.F.±
13D			REV. 191+37 RT. REV. 206+30 LT. REV. 206+38 LT.	REV. 207+28 LT. REV. 206+38 LT.	1.10A±		ALL R. T. & I. CULVERT (P) DRAINAGE (P)						HWY EASE. RTE. 100B
13E			REV. 206+57 LT. REV. 207+40 LT. TH 2 33+50 LT. TH 2 33+75 LT. TH 2 33+75 LT. TH 2 33+90 LT. TH 2 34+30 LT. TH 2 34+30 LT.	TH 2 34+44 LT. TH 2 34+55 LT. TH 2 34+50 LT. TH 2 34+40 LT.	0.16A±		ALL R. T. & I. DRAINAGE (P) DRAINAGE (P) DRAINAGE (P) EASE. (T) 0.01A± SLOPE (P) 0.01A± CULVERT (P) DRAINAGE (P)						HWY EASE. TH 2 650 S.F.± 560 S.F.±
13F													UTILITY
14A	HAYES, BILLIE M. & ERWIN O.	13,17	REV. 204+26 RT. REV. 204+26 RT. REV. 204+26 RT.	REV. 206+30 RT. REV. 205+62 RT. REV. 205+85 RT.	0.38A±		 SLOPE (P) 0.12A± EASE. (T) 0.04A±	WD	02-11-94	MORETOWN	52	370-371	 1800 S.F.±
14B			REV. 204+30 RT.	REV. 206+62 LT.	0.14A±		ALL R. T. & I.						HWY. EASE. RTE. 100B
14C			REV. 206+30 RT.	REV. 206+57 LT.	0.06A±		ALL R. T. & I.						HWY. EASE. TH 12 2775 S.F.±
14D			REV. 206+30 RT.	TH 12 25+80 CL.	0.24A±		ALL R. T. & I.						HWY. EASE. TH 12

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY

0167009 201 1805 78E132

ACCT.prop
/prop/78el32/rel32d.dgn
DATE PLOTTED 4-DEC-1998
78el32d6.i

DR.(P)- DRAINAGE RIGHT
DIT.(P)- DITCHING RIGHT
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C&T (P) CLEARING & TRIMMING
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TOP OF CUT
TOE OF SLOPE

REVISED 12-04-98

APPROVED: LAWRENCE BLISS L.S. DATE: 12-16-98
AGENT D, PLANS & TITLES

R. O. W. PLANS

MORETOWN
RSEGC-RS 0167(9)
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SHEET 9 OF 20

STATE OF VERMONT
AGENCY OF TRANSPORTATION
RIGHT OF WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
15	CHURCH STREET COOPERATIVE WATER CO., INC.	13,17	REV. 206+30 RT.	REV. 207+28 LT.			ALL R. T. & I.	QCD	03-23-94	MORETOWN	52	389-390	WATERLINE
16	MIDDLESEX NON-PROFIT WATER SYSTEM	12,16	REV. 192+95 RT.	REV. 193+40 LT.			ALL R. T. & I.	QCD	04-20-94	MORETOWN	53	59-60	WATERLINE
17	VERMONT ELECTRIC POWER CORPORATION												UTILITY
18	NEW ENGLAND TELEPHONE COMPANY												UTILITY
19A	TOWN OF MORETOWN	12,13 16,17	TH 66 0+92 CL.	TH 66 2+53 CL.			APPROACH (T)						T.H. 66
19B			REV. 206+30 LT. REV. 206+48 RT.	REV. 206+82 RT. REV. TH 12 25+80 LT.	0.11A±		ALL R. T. & I. APPROACH (T)						T.H. 12 T.H. 12
19C			REV. 206+57 LT. TH 2 30+76 LT.	TH 2 31+48 LT. TH 2 37+25 CL.	0.46A±		ALL R. T. & I. APPROACH (T)						T.H. 2 T.H. 2
	MAINTENANCE AGREEMENT AREA NO. 1		TH 66 0+12 CL.	TH 66 0+92 CL.						MORETOWN			TH 66 80'
	MAINTENANCE AGREEMENT AREA NO. 2		REV. TH 12 20+05 CL.	REV. TH 12 20+80 CL.						MORETOWN			TH 12 75'
	MAINTENANCE AGREEMENT AREA NO. 3		TH 2 29+92.68 CL.	TH 2 30+73 CL.						MORETOWN			TH 2 80.32'
	RELINQUISHMENT NO. I		REV. TH 12 20+80 CL.	REV. TH 12 25+80 CL.						MORETOWN			TH 12 500'
	RELINQUISHMENT NO. II		TH 2 30+73 CL.	TH 2 37+68 RT.						MORETOWN			TH 2 695'

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY

0167009 201 1805 78E132

ACCT.prop
/prop/78el32/rel32d.dgn
DATE PLOTTED 07-FEB-1994
78el32d7.i

DR. (P)- DRAINAGE RIGHT
DIT. (P)- DITCHING RIGHT
CH. (P)- CHANNEL RT.
DRIVE (T)- DRIVE RIGHT
CUL. (P)- CULVERT RIGHT
[W]- WATER SOURCES

PRESENT R.O.W.
TAKING WITHOUT ACCESS
TAKING WITHOUT ACCESS ALONG PROPERTY LINE
TAKING WITH ACCESS
(P) PERMANENT EASEMENT
(T) TEMPORARY EASEMENT

LEGEND
CZ (P) CLEAR ZONE
CONST. (T) CONSTRUCTION EASEMENT
SR SR SLOPE RIGHTS
P L PROPERTY LINE
TOP OF CUT
TOE OF SLOPE

REVISED 01-17-94

APPROVED: LAWRENCE BLISS L.S. DATE: 12-16-91
AGENT D. PLANS & TITLES

R. O. W. PLANS

MORETOWN
RSEGC-RS 0167(9)
Sheet 26 of 243
SHEET 10 OF 20

REMOVAL OF PAVEMENT BELOW SUBGRADE (0' ~ 2') (PAID AS COMMON EXCAVATION)
SURV. 170+75 ~ SURV. 173+25
SURV. 175+25 ~ SURV. 175+75

CUT TO FILL TRANSITION
SURV. 174+35 ~ SURV. 175+12 ℄

COLD PLANING - BIT. PAVEMENT
163+70 ~ 164+45

FOR DRAINAGE NOTES SEE ROW SHEET 15 OF 20 SHEETS

STEEL BEAM GUARD RAIL
174+75 LT. ~ 179+00 LT.

MODIFIED ECCENTRIC LOADER TERMINAL(MELT)
174+37.5~174+75 LT

REMOVAL OF EXISTING FENCE
169+83 RT. ~ 171+80 RT.
175+50 LT. ~ 176+35 RT.
176+35 RT. ~ 178+40 RT.
178+40 RT. ~ 178+40 LT.

TREATED TIMBER CURB
176+00 LT. ~ 179+00 LT.

RELOCATE MAILBOX (SINGLE SUPPORT)
167+93 LT.
172+54 LT.
174+40 LT.

CONSTRUCT DRIVE
164+37 RT. (PAVED APRON)
164+88 LT. (PAVED APRON)
165+17 RT. (PAVED APRON)
167+35 LT. (GRAVEL)
168+27 RT. (GRAVEL)
169+55 RT. (GRAVEL)
172+25 RT. (GRAVEL)
174+00 LT. (GRAVEL)
174+70 RT. (SUBBASE MOD.)(CRUSHED SLATE)

SCARIFYING PAVEMENT
175+75 RT. ~ 179+00 RT.

DRIVE GATE FOR WOVEN WIRE FENCE
STA. 169+55 RT. (16' WIDE)
(2 - 8' GATES W/ OPENING IN MIDDLE)

TURNER, FLORENCE P.

163+70 BEGIN APPROACH CONSTRUCTION

SCRIBNER, STANLEY R., SR & CATHERINE J.

BM USGS 41HBC 1967 ELEV. 480.183'

BM #3 CHIS. SQ. ELEV. 464.64'

BM #2 RRSIT 2-8 ELMS ELEV. 476.37'

BANDY, WILLIAM, JR. & FONTAINE, SUZANNE

APPROX. AERIAL RELOC. ROUTE 5-B & NYMEX GMC AND ADELPHIA

ALLIED POWER & PHONE SERVICE

SPILAK, GEORGE V. & CAROL J.

MCDONOUGH, CHARLES D., SR. & DOROTHEA E.

TURNER, FLORENCE P.

BIGELOW, POWERS INDENTED OTHERWISE
BIGELOW, PAUL W. &
SMITH, FRED G. - TRUSTEES

NOTE : ALL DRIVE RADII ARE 25'

○ DENOTES REMOVAL OF TREE OR STUMP

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

END PROJ. SO167(7)(1967)
END APPROACH CONSTRUCTION
BEGIN PROJ. RSEGC RS 0167(9)

09-15-94	REVISION 32
08-22-94	REVISION 31
01-17-94	REVISION 29
12-02-93	REVISION 23
08-17-93	REVISION 19
06-16-93	REVISION 12, 13, 14, 17

FOR R.O.W. USE ONLY

TO SHEET 12 OF 20 SHEETS

BEGIN R. O. W. PROJECT
STA. 164+67 25' RT.

PVI
STA. 164+18.5
ELEV. 469.60'
400' VC
K=65
(43 MPH)
(EXISTING)

PVI
STA. 167+68.5
ELEV. 471.46'
300' VC
K=141

PVI
STA. 174+00
ELEV. 488.25'
500' VC
SSD = 400

-5.5100 %
+0.5314 %
+2.6588 %
-1.5000 %

SUBBASE
SAND BORROW
CUT TO FILL TRANSITION STA. 174+35-175+12
PRESENT ROAD PROFILE
EXISTING PROFILE OF PROPOSED RELOCATED ROAD

PT 162+08.38
52.40' CONC. BOUND
37.18'
59.95' CONC. BOUND
LEDGE

POT 167+07.26
85.15' 138A 245 20
39.73'
104.40'
24" M
½ STY HOUSE

POT 174+39.25
64.17'
53.66'
93.92'
2 STY. HO.
238 208

PC 176+39.93
6" ASH
59.96'
18.41'
14.1'
12.67'
HUB HUB

0167009 201 1805 78E132 J. D. P.

0 50 100 200 300
SCALE IN FEET

SURVEYED BY NYE DATE 12/84
DRAWN BY MCCLURE DATE 5/90
SQUAD LEADER BRUCE BOYD
DESIGN FILE NO. /prop/78e32/re132zzz.dgn
IPARM FILE rel32llr.1 DATE PLOTTED 26-APR-2000

MORETOWN
RS EGC RS 0167(9)
ROW SHEET 11 OF 20 SHEETS
SHEET 27 OF 243 SHEETS

DRIVE CURVE DATA
△ = 37°-57'-33" LT.
D = 19°-06'
R = 300'
T = 103.18'
L = 195.14'
E = 17.25'

EXCAVATION OF SURFACES AND PAVEMENTS
181+75 RT. ~ 185+00 RT.
AREA TO BE TOPSOILED, SEEDED AND MULCHED

STEEL BEAM GUARD RAIL
179+00 LT. ~ 179+50 LT.
180+46 LT. ~ REV. 186+65.5 LT.
REV. 191+62.5 RT. ~ REV. 192+87.5 RT.
REV. 193+68.5 LT. ~ REV. 195+00 LT.

SCARIFYING PAVEMENT
179+00 RT. ~ 181+75 RT.
183+00 RT. ~ 185+25 RT.

CUT TO FILL TRANSITION
REV. 184+66 ~ REV. 185+42 ℄

REMOVAL AND DISPOSAL OF GUARD RAIL
REV. 192+69 RT. ~ REV. 193+20 RT.
REV. 193+70 LT. ~ REV. 195+00 LT.

CONSTRUCT DRIVE
SURV. 180+00 LT. (GRAVEL)
SURV. 183+25 RT. ~ SURV. 184+50 RT. (GRAVEL PARKING AREA)
SURV. 184+40 RT. (GRAVEL)
REV. 186+59 RT. (PAVED)
REV. 189+57 LT. (GRAVEL)
REV. 190+90 RT. (GRAVEL)
REV. 191+62 LT. (GRAVEL)
REV. 192+69 LT. (GRAVEL)
REV. 193+70 RT. (GRAVEL)

MODIFIED ECCENTRIC LOADED TERMINAL (MELT)
179+50~179+87.5 LT.
180+08.5~180+46 LT.
REV. 186+65.5~REV 187+03 LT.
REV. 191+25~REV 191+62.5 RT.
REV. 192+87.5~REV 193+25 RT.
REV. 193+31~REV 193+68.5 LT.

SURV.CURVE # 2 DATA
△ = 13°22'-04" LT.
D = 2°-00'
R = 2864.79'
T = 335.72'
L = 668.39'
E = 19.60'

REV.CURVE # 2 DATA
△ = 15°-21'-08" LT.
D = 2°-15'-00"
R = 2546.48'
T = 343.22'
L = 682.32'
E = 23.03'
FULL BANK = 0.042 FT / FT

SURV.CURVE #1 DATA
△ = 07°-58'-03" LT.
D = 1°-30'
R = 3819.72'
T = 266.01'
L = 531.17'
E = 9.25'
BANK = 0.030 FT/FT

BEGIN MAINT. AGREE. AREA NO. 1
TH 66 0+12 ℄

GRUBBING MATERIAL
AT INLET OF 60" CULVERT
((SEE SHEETS 66,67 AND 68))

CONSTRUCT APPROACH
181+71.10 RT (TH 66)

FOR DRAINAGE NOTES SEE ROW SHEET 16 OF 20 SHEETS

TO SHEET 11 OF 20 SHEETS

MATCH LINE

WET

WOODS

DRIVE (T)

DRIVE PI 11+41.78 = 11+30.56

DRIVE PC 10+38.60

SR(P)

CONST. (T)

(1847')

181+71 68' RT.

182+37 10' RT.

182+40 95' RT.

182+43 60' RT.

182+45 85' RT.

185+00 60' LT.

185+63 42' RT.

REV. 186+44 100' LT.

REV. 186+50 60' LT.

REV. 186+54 21' LT.

REV. 186+59 4' RT.

REV. 188+37 42' LT.

REV. 188+41 16' RT.

REV. 188+42 42' RT.

REV. 189+62.50 = 189+59.45

REV. CURVE #2 PI 189+86.24 = 189+82.12

REV. 190+39 10' LT.

REV. 190+40 42' LT.

REV. 190+40 35' LT.

REV. 191+32 80' RT.

REV. 191+34 42' RT.

REV. 191+39 12' LT.

REV. 192+50 50' LT.

REV. 193+80 135' LT.

REV. 194+00 135' LT.

REV. 194+00 60' LT.

REV. 192+50 42' LT.

REV. 192+50 17' LT.

NOT PLACED IN DRIVE

* NOTE

MATCH LINE

TO SHEET 13 OF 20

SURV. PT 181+71.10 = TH 66 POT 0+00.00 △ = 90° RT.

SURV. PC 186+26.78 REV. POT 186+20.52 EQ. +6.26

REV. PT 193+26.34

SURV. PT 192+95.11

POT 184+82.83

POT 183+17.66

POT 195+57.09

TH 66 PC 0+49.63

ML POC 180+00= DR. POT 10+00 △=89° 37' 30" LT.

TH 66 PI 1+62.85= 1+45.83

TH 66 PT 2+58.95

TH 66 POC 2+53 END APPROACH CONSTRUCTION

APPROACH (T)

APPROX. AERIAL RELOC. RTE 8Y KENNEX, GMP. & ADELPHIA

BM #4 SIT 8" POP. ELEV. 499.31

BM #5 SIR 18" PINE ELEV. 500.09'

SURV. CURVE #1 PI 179+05.95= 179+05.09

SURV. CURVE #2 PI 189+62.50 = 189+59.45

SCRIBNER, STANLEY R., SR. & CATHERINE J.

AYRES, ROBERT A. & JODY B.

AGOSTA, NEVIO E.

CLARK, LARRY R. & KIMBERLEE S.

COWAN, WAVELL F. & MARSH, EARLINE

LEWIS, GREGORY A. & DIANE L.

YALICKI, CARL & FRIBERG, CAROLINE J.

GREEN MOUNTAIN POWER CORPORATION

MIDDLESEX NON-PROFIT WATER SYSTEM

CUL., DIT. & DR. (P)

FIELD

WOODS

DRILLED WELL

NEW GRAVEL PARKING AREA

EXISTING R.O.W.

438') EXISTING R.O.W.

(360')

365') S.T.

S 62°-29'-32" E

S 81°-30'-28" W

TH 66 CURVE DATA
△ = 54°-00'-00" RT.
D = 25°-48'
R = 222.08'
T = 113.16'
L = 209.30'
E = 27.17'
BANK = 0.021FT / FT

EROSION MATTING (ON SLOPE) (ABOVE RETAINING WALL)
REV. 193+93.73 ~ REV. 195+00 RT.

GEOTEXTILE UNDER STONE FILL
AT INLET OF 60" CULVERT
((SEE SHEETS 66,67 AND 68))

TREATED TIMBER CURB
179+00 LT. ~ 179+50 LT.
180+46 LT. ~ 185+50 LT.

RELOCATE MAILBOX
SURV. 181+60 RT. (MULTIPLE)
REV. 187+04 LT. (SINGLE)
REV. 189+47 LT. (SINGLE)
REV. 189+51 LT. (SINGLE)
REV. 192+00 LT. (SINGLE)

○ DENOTES TREE OR STUMP REMOVAL

END MAINT. AGREE. AREA NO. 1
TH 66 0+92 ℄ (LENGTH 80')

DATUM
VERTICAL
HORIZONTAL

FOR R.O.W. USE ONLY

0 50 100 200 300
SCALE IN FEET

01-17-94 REVISION 27	
12-17-93 REVISION 25	
11-15-94 REVISION 33	12-15-93 REVISION 24
08-22-94 REVISION 31	08-17-93 REVISION 20

0167009 201 1805 78E132 J. D. P.

SURVEYED BY NYE DATE 12/84
DRAWN BY MCCLURE DATE 5/90
SQUAD LEADER BRUCE BOYD
DESIGN FILE NO. /prop/78e132/re132zzz.dgn
IPARM FILE re13212r.1 DATE PLOTTED 26-APR-2000

MORETOWN
RS EGC RS 0167(9)
ROW SHEET 12 OF 20 SHEETS
SHEET 28 OF 243 SHEETS

BEGIN MAINT. AGREE AREA NO. 3
STA. TH 2 29+92.68 ℄ (LENGTH 80.32')

BM
VTAT DISK
"DAM ONE"
ELEV. 505.555'

REV. CURVE #3 PI 201+23.23 =
201+20.75

SURV. CURVE #3 PI 201+47.39 =
201+46.36

SURV. CURVE # 4 DATA
△ = 67°-13'-03" LT.
D = 9°
R = 636.62'
T = 423.11'
L = 746.86'
E = 127.78'

REV. CURVE # 4 DATA
△ = 71°-28'-02" LT.
D = 8°-30'
R = 674.07'
T = 484.97'
L = 840.79'
E = 156.33'
FULL BANK = 0.063 FT/FT

MATCH LINE TO SHEET 12 OF 20

POWER HOUSE
SHED
TRANSFORMER YARD
GUY
DRIVE (T)
DR (P)
(1198')
(1346')
(1293')
(1280')
(1215')
(1178')
(275')
CABLE GUARD RAIL
STEEL TOWER
EXISTING R.O.W.
WOODS
WOODS LINE
WINOOSKI RIVER
GREEN MOUNTAIN POWER CORP.
VERMONT ELECTRIC POWER CO. INC.
APPROX. AERIAL RELOC. ROUTE BY NYNEX, GMP, & ADELPHIA
EASEMENT
RELOC. ROUTE
MIDDLESEX MORETOWN
CUL. & DR. (P)
CONST. (T)
SR (P)
UR (P)
LEDGE
ABANDONED W/L
CHURCH STREET COOPERATIVE WATER CO., INC.
CONC. SPRING BOX
APPROACH (T)
5 WIRE FENCE
GARDEN
BUSH
I" PLASTIC W/L
W-4
W-2
W-3
W-5
W-6
W-7
W-8
W-9
W-10
W-11
W-12
W-13
W-14
W-15
W-16
W-17
W-18
W-19
W-20
W-21
W-22
W-23
W-24
W-25
W-26
W-27
W-28
W-29
W-30
W-31
W-32
W-33
W-34
W-35
W-36
W-37
W-38
W-39
W-40
W-41
W-42
W-43
W-44

SHEET 13 OF 20

END R.O.W. PROJECT
REV. STA. 211+22 80' RT.

MATCH LINE TO

MATCH A — TH 2 CURVE # 2 DATA — MATCH A

△ = 21°49'-45" LT.
D = 10°
R = 572.958'
T = 110.486'
L = 218.292'
E = 10.55'

37+75
END TH 2 APPROACH CONSTRUCTION

TH 2 POT 38+33.80

TH 2 37+70
28' LT.
PLACED IN LEDGES

TH 2 38+35
11' LT.

TH 2 37+88
214' LT.

DRILLING AND BL
SOLID ROCK SU
TH 2 31+75
MATCH A — MATCH A

FOR DRAINAGE NOTES SEE ROW SHEET 18 OF 20 SHEETS

END RELINQUISHMENT NO. II
STA. T.H. 2 37+68 2' RT.

NOT PLACED LEDGE

TH 2 34+44
32' LT.

TH 2 34+48
65' LT.

NOT PLACED LEDGE

GREEN MOUNTAIN POWER CORP.

BIGELOW, PAUL W. - TRUST
BIGELOW, PAUL W. &
SMITH, FRED G. - TRUSTEES

WINOOSKI RIVER

APPROACH (T)

EXISTING R.O.W.

CONST. (T)

SR(P)

CUL. & DR.(P)

S78°-45'-20"E

BARN

GRANITE FENCE POST

16" DRAIN DRIVE

SR(P)

HO. TRAILER

DRILLED WELL

W 16

TH 2 37+65
27' RT.

TH 2 32
S51°-55'-35"E

TH 2 34+03.12
PC

TH 2 35+82
25' RT.

TH 2 35+82
50' RT.

TH 2 35+82
℄

TH 2 34+35
7' LT.

TH 2 33+75
50' RT.

TH 2 33+00
125' RT.

TH 2 32+50
82' RT.

TH 2 32+00
75' RT.

TH 2 31+50
105' RT.

PI 35+13.603 =
35+10.923

SCRIBNER, STANLEY R., SR.
& CATHERINE J.

BIGELOW, PAUL W. - TRUST
BIGELOW, PAUL W. &
SMITH, FRED G. - TRUSTEES

EQ. = +31.07'

APPROX. PROPOSED R.O.W. LINE

MATERIAL RELOC. ROUTE

CONST. (T)

SR(P) CONST. (T)

POWER LINE CLEARING

WOODS

GUY

POLE A

METER BOX

GRANITE FENCE POST

DATUM
VERTICAL — NGVD 1929
HORIZONTAL — N/A

○ DENOTES REMOVAL OF TREE OR STUMP

FOR R.O.W. USE ONLY

0 50 100
SCALE IN FEET

GRUBBING MATERIAL
TH 2 34+00 LT. ~ 37+25 LT.

ODIFIED ECCENTRIC
ER TERMINAL(MELT)
33+25 ~ 33+62.5 LT.
36+87.5 ~ 37+25 LT.

EXCAVATION OF SURFACES AND PAVEMENTS
((AREA TO BE TOPSOILED, SEEDED AND MULCHED))
OLD TH 2 : SURV. 31+50 ~ 33+75 LT.

CONSTRUCT DRIVE
TH 2 34+88 RT. (GRAVEL)
TH 2 36+50 RT. (GRAVEL)

DRIVE GATE FOR WOVEN WIRE FENCE
TH 2 34+88 RT. (16' WIDE)
(2 - 8' GATES W/ OPENING IN MIDDLE)

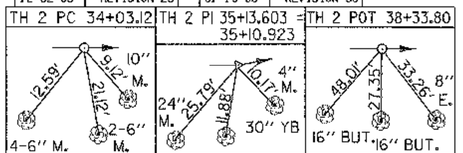
REMOVAL AND DISPOSAL OF GUARD RAIL
TH 2 31+50 ~ 32+54 LT.
TH 2 33+00 ~ 37+07 LT.

REMOVAL OF EXISTING FENCE
TH 2 31+50 ~ 35+00 RT.

STEEL BEAM GUARD RAIL
TH 2 33+62.5 ~ 36+87.5 LT.

09-15-94	REVISION 32		
12-17-93	REVISION 26		
12-02-93	REVISION 23	01-19-96	REVISION 36

TH 2 PC 34+03.12 — TH 2 PI 35+13.603 = 35+10.923 — TH 2 POT 38+33.80



TOWN HIGHWAY 12

TH 12 20+13.36
BEGIN APPROACH CONSTRUCTION
ELEV. 526.26

PVI
STA. 20+63.35
ELEV. 527.31'
100' VC
K=11

+6.3 % — +10.80 % — +2.10 %

REV. TH 12 25+30.00
ELEV. 577.80'

REV. TH 12 25+79.69
END APPROACH CONSTRUCTION

SURV. 25+48.62

REV. 25+79.69

TH 12 20+05.35
ELEV. 525.76'

REV. ML 207+98.47 =
TH 12 POT 19+83.35
ELEV. 525.00'

TOWN HIGHWAY 2

REV. ML 209+81.36 =
TH 2 29+92.68
ELEV. 521.18'

TH 2 30+12.68
BEGIN TH 2 APPROACH CONSTRUCTION
ELEV. 522.44'

PVI
STA. 33+43.65
ELEV. 516.90'
312.70' VC
K=10

+6.3 % — +2.0958 % — -3.0248 % — +0.0780 % — -1.8000 %

PVI
STA. 31+00
ELEV. 524.27'
174.60' VC
SSD = 217

TH 2 37+75
END APPROACH CONSTRUCTION

PVI
STA. 36+00
ELEV. 517.10'
200' VC
SSD=454

0167009 201 1805
78E132 J. D. P.

SURVEYED BY	NYE	DATE	12/84
DRAWN BY	MCCLURE	DATE	5/90
SQUAD LEADER	BRUCE BOYD		
DESIGN FILE NO.	/prop/78el32/rel32zzz.dgn		
IPARM FILE	rel3214r.1	DATE PLOTTED	26-APR-2000

MORETOWN
RS EGC RS 0167(9)
ROW SHEET 14 OF 20 SHEETS
SHEET 30 OF 243 SHEETS

20 21 22 23 24 25 30 31 32 33 34 35 36 37 38

FOR DRAINAGE REFERENCE ONLY

SCARIFYING PAVEMENT
175+50 RT. ~ 179+00 RT.

STEEL BEAM GUARD RAIL
174+75 LT. ~ 179+00 LT.

REMOVAL OF EXISTING FENCE
169+83 RT. ~ 171+80 RT.
175+50 LT. ~ 176+35 RT.
176+35 RT. ~ 178+40 RT.
178+40 RT. ~ 178+40 RT.

TREATED TIMBER CURB
176+00 LT. ~ 179+00 LT.

REMOVING AND REPLACING MAIL BOXES
167+93 LT.
172+54 LT.
174+40 LT.

CONSTRUCT DRIVE
164+37 RT. (PAVED)
164+88 LT. (PAVED)
165+17 RT. (PAVED)
167+35 LT. (GRAVEL)
168+27 RT. (GRAVEL)
169+55 RT. (GRAVEL)
172+25 RT. (GRAVEL)
174+00 RT. (GRAVEL)
174+70 RT. (SUBBASE MOD.)

163+00 C.L. EXIST 18" RCP RETAIN

163+70
BEGIN APPROACH CONSTRUCTION

POT 164+65.23

165+35.5 C.L. EXIST 18" RCP ASKEW 82° 35' LT. RETAIN

165+45-166+54 LT. CONSTRUCT SPECIAL DITCH W/EROSION MATTING

POT 167+07.26

166+94-167+61 LT. NEW 30"X64' CSP(.079) OR RCP CL. III W/END SECTION

167+61-172+50 LT. CONSTRUCT SPECIAL DITCH W/EROSION MATTING

169+50 LT.-169+75 RT. NEW 18"X76' PCCSP(.064) OR CAAP(.060) W/END SECTION AND INLET DITCH

172+50 C.L. EXIST. 18" ACCGMP REMOVE

POT 174+39.25

178+12 C.L. NEW 24"X156' PCCSP(.064) OR CAAP(.060) W/END SECTION @ INLET AND ENERGY DISSIPATOR @ OUTLET

178+14 LT. NEW 12"X40' CSP(.064) OR CAAP(.060) W/45°CC DI W/ 1'-0" ø RISER

BM #3
CHIS. SQ.
ELEV. 464.64'

DRIVE 12'-5"

MATCH LINE

TO SHEET 16 OF 20 SHEETS

BM USGS
41HBC 1967
ELEV. 480.183'

165+07-165+25 RT. EXIST. 15" CMP RETAIN

165+70
END PROJ. SO167(7)(1967)
END APPROACH CONSTRUCTION
BEGIN PROJ. RSEGC RS 0167(9)

165+35-169+50 RT. NEW 6"X240' UNDERDRAIN W/FB @ 169+50 RT.

168+17-168+37 RT. EXIST. 15" CMP REMOVE W/COMMON EXC.

167+00-168+45 RT. NEW 18"X76' CSP(.064) OR RCP CL. III W/END SECTION @ INLET

BM #2
RRSI 2-8" ELMS
ELEV. 476.37'

172+00 LT.-172+50 RT. NEW 24"X92' PCCSP(.064) OR CAAP(.060) W/STONE FILL, TYPE I @ OUTLET AND 4'X6' DI. W/2-A GRATES @ INLET

172+50-175+00 RT. NEW 6"X250' UNDERDRAIN W/FB @ 175+00 RT. 24" WL.

178+11.5 RT. EXISTING 15" CMP REMOVE

○ DENOTES REMOVAL OF TREE OR STUMP

FOR ROW USE ONLY

06-22-94	REVISION 31
08-17-93	REVISION 19
06-16-93	REVISION 12,13,14,17

PVI
STA. 164+18.5
ELEV. 469.60'
400' VC
K=65
(43 MPH)
(EXISTING)

PVI
STA. 167+68.5
ELEV. 471.46'
300' VC
K=141

PVI
STA. 174+00
ELEV. 488.25'
500' VC
K=120

-1.50000 %

-5.61584 %

+2.53143 %

+2.65875 %

SUBBASE

SAND BORROW

CUT TO FILL TRANSITION STA. 174+31-175+06

PRESENT ROAD PROFILE

EXISTING PROFILE OF PROPOSED RELOCATED ROAD

PT 162+08.38
56.40' 37.18' 55.95'
CONC. BOUND — LEDGE — CONC. BOUND

POT 167+07.26
138A 245 201 — 85.15' — 39.73' — 104.10'
24" M — W/STY HOUSE

POT 174+39.25
64.17' — 93.66' — 93.82'
2 STY. HO. — 238 208

PC 176+39.93
6" ASH
59.96' — 18.41' — 12.91'
HUB — 19.1' — HUB

0167009 201 1805 78E132 J. D. P.

0 50 100 200 300
SCALE IN FEET

SURVEYED BY	NYE	DATE	12/84
DRAWN BY	MCCLURE	DATE	5/90
SQUAD LEADER	BRUCE BOYD		

DESIGN FILE NO. /prop/78e132/rel32zzz.dgn
IPARM FILE rel32dr1.1 DATE PLOTTED 24-JUN-1994

MORETOWN
RS EGC RS 0167(9)
ROW SHEET 15 OF 20 SHEETS

DRIVE CURVE DATA
△ = 37°-57'-33" LT.
D = 19°-06'
R = 300'
T = 103.18'
L = 195.14'
E = 17.25'

EXCAVATION OF SURFACES AND PAVEMENTS
182+00 RT. ~ 185+00 RT.
AREA TO BE TOPSOILED, SEEDED AND MULCHED

STEEL BEAM GUARD RAIL
SURV. 179+00 LT. ~ REV. 186+75 LT.
REV. 191+50 RT. ~ REV. 193+00 RT.
REV. 193+50 LT. ~ REV. 195+00 LT.

SCARIFYING PAVEMENT
179+00 RT. ~ 182+00 RT.
183+00 RT. ~ 185+00 RT.

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE
REV. 192+50 ~ REV. 193+50

REMOVAL AND DISPOSAL OF GUARD RAIL
REV. 193+70 LT. ~ REV. 195+00 LT.

CONSTRUCT DRIVE
SURV. 180+00 LT.
SURV. 183+25 RT. ~ SURV. 184+50 RT. (GRAVEL PARKING AREA)
SURV. 184+40 RT. (GRAVEL)
REV. 186+59 RT. (PAVED)
REV. 189+57 LT. (GRAVEL)
REV. 190+86 RT. (GRAVEL)
REV. 191+59 LT. (GRAVEL)
REV. 192+69 LT. (GRAVEL)
REV. 193+70 RT. (GRAVEL)

SURV.CURVE * 2 DATA
△ = 13°22'-04" LT.
D = 2°00'
R = 2864.79'
T = 335.72'
L = 668.39'
E = 19.60'

REV.CURVE * 2 DATA
△ = 15°21'-08" LT.
D = 2°15'-00"
R = 2546.48'
T = 343.22'
L = 682.32'
E = 23.03'
FULL BANK = 0.042 FT / FT

FOR DRAINAGE REFERENCE ONLY

SURV.CURVE *1 DATA
△ = 07°-58'-03" LT.
D = 1°-30'
R = 3819.72'
T = 266.01'
L = 531.17'
E = 9.25'
BANK = 0.030 FT / FT

TO SHEET 15 OF 20 SHEETS

MATCH LINE

TO SHEET 17 OF 20

DRIVE PI 11+41.78 = 11+30.56

DRIVE PC 10+38.60

20' R (TYP.)

SURV.PT 181+71.40 = TH 66 POT 0+00.00 Δ = 90° RT.

182+00 LT. NEW 18"X36' CSP(.064)OR CAAPI.060) W/ 4:1-15 ELBOW WITH ENERGY DISSIPATOR @ OUTLET

182+00 LT.-182+53 RT. NEW 18"X84' PCCSP(.064)OR CAAPI.060) W/END SECTION AND INLET DITCH

BM #4 SIT 8" POP. ELEV. 499.31

POT 184+82.83

POT 183+17.66

TH 66 PC 0+49.69

ML POC 180+00= DR. POT 10+00 Δ=89°37'30" LT.

SURV. PI 179+05.95= 179+05.09

TH 66 PI 1+62.85= 1+45.83

TH 66 POC 2+53 END APPROACH CONSTRUCTION

180+29 RT. ASKEW 88.07' LT. EXISTING 12" ACCOMP REMOVE

TH 66 2+50 LT. EXIST. 9" CCMP RETAIN

TH 66 C+87 CL. EXISTING 15" CCMP REMOVE

183+95 RT. EXIST. 10" CMP (POOR) REMOVE

183+85-184+55 RT. NEW 15"X60' CSP(.064)OR RCP CL.III W/END SECTION @ INLET

184+02 ~ 184+63 RT. NEW 15"X65' CSP(.064)OR CPEP

184+32-184+60 RT. EXIST.12" CMP REMOVE

184+26-184+66 RT. EXIST. CMP (SIZE UNKNOWN) REMOVE

NEW ASPHALT PARKING AREA

FIELD

WOODS

P L

LAWN

SURV.PC 186+26.78 REV.186+20.52 +6.26 REV.186+40.02

SURV.PI 189+62.50 = 189+59.45 REV.PI 189+86.24 = 189+82.12

GAR.

GRAV. DR.

1ST. WFH

REV.186+44-192+36 LT. NEW 6"X592' UNDERDRAIN W/FB @ 186+44 LT. AND @ 189+94 LT.

REV.191+24 LT.-REV.191+41 RT. APPROX. LOC. OF NEW 6"X123' PLASTIC WATER PIPE RIGID (TO BE USED AS A SLEEVE FOR WATERLINE)

REV.191+44-REV.192+36 LT. NEW 15"X92' RCP CL. III

REV.192+36-REV.193+64 LT. NEW 18"X136' PCCSP(.064) OR CAAPI.060) OR RCP CL III

REV.193+09 LT. ASKEW 52°33' LT. EXIST. 48" RCP - REMOVE

REV.193+11 RT.-REV.193+26 LT. APP. LOC. NEW 6"X62' PLASTIC WATER PIPE-RIGID (WATER LINE SLEEVE) W/EXTENSION SERVICE BOX AND CURB STOP @ REV.193+11 RT. NEW 11/4"X62' SEAMLESS COPPER WATER TUBE

REV.193+24 LT. EXIST. 7"X5' CONC. BOX REMOVE

REV.193+54 LT. EXIST. 48" BOBBER PIPE REMOVE

REV.193+59-REV.193+94 LT. NEW 6"X14' UNDERDRAIN CARRIER PIPE W/FB @ REV.193+94 LT.

REV.193+94-REV.195+00 LT. NEW 6"X106' UNDERDRAIN W/FB

PLD SCHOOL HOUSE

192+95.17

193+57.09

SURV. POT 193+57.09

REV.193+44-REV.193+78 CL. EXISTING 15" CCMP REMOVE W/COMMON EXC.

REV.194+30-REV.195+00 RT. CONSTRUCT TREATED TIMBER BIN WALL

BM #5 SIR 18" PINE ELEV. 500.09'

STEEL TOWER

REV.189+75-REV.190+70 RT. EXIST. WATER OVERFLOW PIPE

REV.189+76-REV.190+32 RT. NEW 15"X26' CSP(.064)W/END SECTION @ INLET

REV.191+10 RT.-REV.191+24 RT. EXISTING PIPE REMOVE

REV.189+94-REV.191+67 RT. NEW 6"X474' UNDERDRAIN W/FB @ REV. 186+94 RT. AND @ REV. 189+94 RT.

REV.190+70-REV.191+70 RT. PLASTIC WATER PIPE (FLEXIBLE) INTERCEPT EXISTING PIPE @ REV.190+70 RT.

REV.191+61-REV.192+50 RT. EXISTING WATER OVERFLOW PIPE)

REV.192+50 RT.-REV.193+54 LT. RECHANNEL EXISTING WATER COURSE STONE PKG. TYPE

REV.192+50-195+00 RT. NEW 60"X174' PCCSP(PIPE)(.09) OR CAAPI.105) W/OUTLET DITCH

REV.192+50-195+00 RT. NEW 6"X2250' UNDERDRAIN W/FB @ 193+74 RT. AND FILTER FABRIC

REV.193+31-REV.194+07 RT. NEW 18"X76' CSP(.064)OR RCP CL. III W/END SECTION

TH 66 CURVE DATA
△ = 54°-00'-00" RT.
D = 25°-48'
R = 222.08'
T = 113.16'
L = 209.30'
E = 27.17'
BANK = 0.021FT / FT

REMOVING AND REPLACING MAIL BOXES
SURV. 181+60 RT.
REV. 187+04 LT.
REV. 189+47 LT.
REV. 189+51 LT.
REV. 192+00 LT.

STONE FILL, TYPE II (FOR SLOPE STABILIZATION)
REV. 194+30 RT. ~ REV. 195+00 RT.

TREATED TIMBER CURB
179+00 LT. ~ 184+25 LT.

○ DENOTES TREE OR STUMP REMOVAL

0 50 100 200 300
SCALE IN FEET

DATUM
VERTICAL
HORIZONTAL

FOR ROW USE ONLY

06-22-94	REVISION 31
12-17-93	REVISION 25
08-17-93	REVISION 20

0167009 201 1805 78E132 J. D. P.

SURVEYED BY	NYE	DATE 12/84
DRAWN BY	MCCLURE	DATE 5/90
SQUAD LEADER	BRUCE BOYD	
DESIGN FILE NO.	/prop/78e132/re132zzz.dgn	
IPARM FILE	re132dr2.1	DATE PLOTTED 24-JUN-1994

MORETOWN
RS EGC RS 0167(9)
ROW SHEET 16 OF 20 SHEETS

NOTE : ACTUAL LOCATION OF PROPOSED ACCESS FOR DAM TO BE DETERMINED BY THE ENGINEER UPON CONSTRUCTION

MATCH LINE TO SHEET 16 OF 20

MATCH LINE TO SHEET 18 OF 20

BM VTAT DISK "DAM ONE" ELEV. 505.555'

REV.PI 201+23.23 = 201+46.36

SURV.PI 201+47.39 = 201+46.36

WINOOSKI RIVER

POWER HOUSE

SHED

TRANSFORMER YARD

* NOTE

MIDDLESEX

MORETOWN

SURV. CURVE # 4 DATA
Δ = 67°-13'-03" LT.
D = 9°
R = 636.62'
T = 423.11'
L = 746.86'
E = 127.78'

REV. CURVE # 4 DATA
Δ = 71°-28'-02" LT.
D = 8°-30'
R = 674.07'
T = 484.97'
L = 840.79'
E = 156.33'
FULL BANK = 0.063 FT/FT

REV. 210+03
END PROJECT RSEGC RS0167(8)
BEGIN BRS0167(11)

SURV.POC 210+12.50

REV.POC 209+81.56 = TH 2 POT 29+92.68

SURV.POC 209+85.00 = TH 2 POT 30+00.00
Δ = 30° RT.

REV.POC 207+98.29 = TH 12 POBS 19+93.35

TH 12 REV. PI 20+84.07 = 20+63.83

TH 12 SURV. PI 21+40.00 = 21+16.85

TH 12 REV. PC 21+51.35

TH 12 SURV. PC 22+98.7

TH 12 SURV. PT 22+39.97

TH 12 REV. PT 23+59.11

TH 12 REV.PC 24+14.49

TH 12 REV.PT 25+33.72

TH 12 REV.POT 25+79.69 = TH 12 SURV.PT 25+48.62 = TH 12 TRAV.POT 66+60.87 EQ. +31.07

TH 12 SURV. PI 24+45.19 24+02.16

REV. 25+79.69
END TH 12 APPROACH CONSTRUCTION

SURV.PI 209+73.78 = 208+74.42

REV.PI 209+60.75 = 208+31.60

TBM#1 SIR 18" M EL. EV. 521.95'

TH 2 PI 30+34.80 = 30+83.18

REV.PI 202+71.85

SURV.PI 202+93.75

REV.PC 199+72.12

SURV.PC 200+00

SURV. PC 205+50.61

REV. 205+05-REV.205+48 LT. NEW 6"X24" UNDERDRAIN W/FB @ REV.205+05 LT. CARRIER PIPE W/FILTER FABRIC

REV. 204+75-205+05 LT. NEW 6"X24" UNDERDRAIN W/FB @ REV. 204+75 LT. AND FILTER FABRIC

REV. 202+00-REV. 204+00 LT. NEW 6"X200' UNDERDRAIN W/FB @ 204+00 LT. AND FILTER FABRIC

REV. 201+80 LT.-REV. 202+00 LT. EXIST. 12" CGMP - REMOVE - NEW 6"X34' UNDERDRAIN CARRIER PIPE W/FILTER FABRIC

REV. 199+77 CL. EXIST. 15" CGMP - REMOVE - REV. 199+44 LT. NEW 24"X84" RCCSP (.060 W.) OR CAAP (.060 W.) 4'-8" DROP INLET W/2-B RATES

REV. 199+19 RT. NEW 24"X84" RCCSP (.060 W.) OR CAAP (.060 W.) 4'-8" DROP INLET W/2-B RATES

REV. 198+34 RT. REV. 198+66 RT. NEW 15"X ? CMCP

REV. 195+00-REV. 195+40 LT. NEW 6"X140' UNDERDRAIN W/FB @ 196+40 LT.

REV. 195+00-199+44 RT. NEW 6"X414' UNDERDRAIN W/FB @ 196+40 RT. AND FILTER FABRIC

REV. 199+19 RT.-REV. 201+50 RT. NEW 6"X250' UNDERDRAIN W/FB @ 201+69 RT. AND FILTER FABRIC

REV. 201+79-REV. 205+99 RT. NEW 6"X222' UNDERDRAIN W/FB @ 201+79 RT. AND FILTER FABRIC

REV. 204+05-REV. 206+16 RT. NEW 6"X212' UNDERDRAIN W/FB @ REV. 204+05 RT. AND FILTER FABRIC

REV. 205+16 RT.-REV. 206+73 RT. NEW 36"X84" PCCSP (.079 W.) OR CAAP (.075 W.) HEADWALL @ INLET AND A STONE LINED INLET DITCH

REV. 206+56-REV. 207+35 RT. NEW 6"X90' UNDERDRAIN W/FB @ REV. 206+50 RT.

REV. 207+40 CL. NEW 18"X82' PCCSP (.064 OR CAAP (.060 W.) INLET AND STONE FILL, TYPE II @ OUTLET

REV. TH 12 REV. 20+50-REV. 22+30 RT. CONSTRUCT SPECIAL DITCH W/STONE FILL, TYPE I

REV. TH 12 22+93 RT.-23+00 LT. NEW 18"X48" CSP (.064) OR RCP CL. III W/STONE FILL, TYPE I @ OUTLET

REV. TH 12 22+89 RT. 45 SKEW 60° REMOVE EXISTING 15" CGMP

REV. TH 12 23+00-23+39 LT. CONSTRUCT SPECIAL DITCH W/STONE FILL, TYPE I

REV. 210+00 LT. NEW 18"X 12' PCCSP (.064) OR CAAP (.060)

REV. 210+51.82

REV. 209+50 RT. NEW 18"X 76' CSP (.064) OR RCP CL. III

REV. 209+00 LT. NEW 18"X76' CSP (.064) OR RCP CL. III

REV. 208+88 RT. NEW 18"X38' CSP (.064) OR RCP CL. III

REV. 207+52 LT. EXISTING 12" ACCMP REMOVE

REV. 206+33 LT. EXIST. 30" RCP - REMOVE

REV. 205+48 LT. EXIST. 15" CGMP REMOVE

REV. 208+46 LT. EXIST. 15" CGMP REMOVE

EXTRA DEPTH OF SUBBASE
REV. 210+00 ~ 210+53.82

EXTRA DEPTH OF BASE COURSE OF BIT. CONC. PAVE. (5")
REV. 210+00 ~ REV. 210+53.82

REMOVAL OF EXISTING FENCE
TH 2 30+25 ~ 31+50 RT.

REMOVAL AND DISPOSAL OF GUARD RAIL
REV. 195+00 LT. ~ REV. 199+40 LT.
REV. 199+30 LT. ~ REV. 200+10 LT.
REV. 200+25 LT. ~ REV. 206+60 LT.
REV. 206+90 LT. ~ REV. 207+10 LT.
TH 2 31+00 ~ 31+50 LT.

EXCAVATION OF SURFACES AND PAVEMENTS AREA TO BE TOPSOILED, SEEDED AND MULCHED
REV. 205+50 LT. ~ REV. 207+00 LT.
TH 2 30+50 ~ 31+50 LT.

SCARIFYING PAVEMENT
REV. 198+50 LT. ~ 201+00 LT.

DATUM
VERTICAL _____
HORIZONTAL _____

CONSTRUCT PAVED WALK
REV. 206+78 LT.

GRANULAR BORROW
REV. 210+21 ~ REV. 210+53

FOR DRAINAGE REFERENCE ONLY

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE
REV. 195+75 ~ REV. 196+25
REV. 200+00 ~ 204+50
REV. 205+50 ~ 207+00
TH 12 REV. 21+59 ~ REV. 22+30

STEEL BEAM GUARD RAIL
REV. 195+00 LT. ~ REV. 206+75 LT.
REV. 206+80 LT. ~ REV. 209+58 LT.
TH 2 30+23.5 ~ 30+48.5 LT.

GUARD RAIL APPROACH SECTION, TYPE I
REV. 209+58 LT. ~ REV. 210+08 LT.
TH 2 30+23.5 LT. ~ 210+53.82 RT.

TREATED TIMBER CURB
REV. 207+30 LT. ~ REV. 210+08 LT.

CONSTRUCT DRIVE
REV. STA. 198+50 RT. (16' GRAVEL)
REV. TH 12 25+75 RT. (GRAVEL)

CONSTRUCT PARKING AREA
REV. 205+90 LT. ~ REV. 207+05 LT.

SURV. CURVE # 3 DATA
Δ = 11°-45'-00" RT.
D = 4°-00'
R = 1432.40'
T = 147.39'
L = 293.75'
E = 7.56'

REV. CURVE # 3 DATA
Δ = 17°-59'-03" RT.
D = 6°-00'
R = 954.93'
T = 151.11'
L = 299.74'
E = 11.88'
FULL BANK = 0.077 FT / FT

PLANK RAIL
REV. 206+62 LT. ~206+97 LT.
REV. 207+55 LT. ~208+90 LT.

PLANK RAIL @ MIDDLESEX END OF BRIDGE IS BRS-0167(11) QUANTITY

STONE FILL, TYPE II (FOR SLOPE STABILIZATION)
REV. 195+00 RT. ~ REV. 197+50 RT.
REV. 205+00 RT. ~ REV. 205+50 RT.

○ DENOTES REMOVAL OF TREE OR STUMP

TH 12 REV. CURVE #1 DATA
Δ = 79°-00'-21" RT.
D = 76°-23'-40"
R = 75.00'
T = 61.83'
L = 103.42'
E = 22.20'

TH 12 REV. CURVE #2 DATA
Δ = 59°-31'-08" LT.
D = 28°-38'-52"
R = 200.00'
T = 114.35'
L = 207.76'
E = 30.38'

TH 12 SURV. CURVE #1 DATA
Δ = 60°-17'-30" RT.
D = 27°-01'-35"
R = 212.00'
T = 123.12'
L = 223.09'
E = 33.16'

TH 12 SURV. CURVE #2 DATA
Δ = 74°-57'-35" LT.
D = 29°-59'-58"
R = 190.99'
T = 146.45'
L = 249.87'
E = 49.68'

FOR ROW USE ONLY

0 50 100 200 300
SCALE IN FEET

12-02-93	REVISION 23
06-16-93	REVISION 14 & 15

03-8053 1805 78E132 J. D. P.

SURVEYED BY NYE DATE 12/84
DRAWN BY MCCLURE DATE 5/90
SQUAD LEADER BRUCE BOYD
DESIGN FILE NO. z:fdot70.70178e132zzz.dgn
IPARM FILE 78e132dr3.i DATE PLOTTED 16-DEC-1993

MORETOWN
RS EGC RS 0167(9)
ROW SHEET 17 OF 20 SHEETS

SHEET 17 OF 20

MATCH LINE TO

TH 2 CURVE # 2 DATA
△ = 21°-49'-45" LT.
D = 10°
R = 572.958'
T = 110.486'
L = 218.292'
E = 10.55'

37+25
END TH 2 APPROACH CONSTRUCTION

TH 2 POT 38+33.80

FOR DRAINAGE REFERENCE ONLY

EXCAVATION OF SURFACES AND PAVEMENTS
AREA TO BE TOPSOILED, SEEDED AND MULCHED
TH 2 31+50 ~ 34+00 LT.

CONSTRUCT DRIVE
TH 2 36+50 RT. (GRAVEL)
TH 2 34+88 RT. (GRAVEL)

REMOVAL AND DISPOSAL OF GUARD RAIL
TH 2 31+50 ~ 32+54 LT.
TH 2 33+00 ~ 37+07 LT.

REMOVAL OF EXISTING FENCE
TH 2 31+50 ~ 35+00 RT.

STEEL BEAM GUARD RAIL
TH 2 33+50 ~ 37+00 LT.

FOR ROW USE ONLY

○ DENOTES REMOVAL OF TREE OR STRUMP

0 50 100
SCALE IN FEET

12-17-93	REVISION 26

TH 2 PC 34+03.12	TH 2 PI 35+13.603 = 35+10.923	TH 2 POT 38+33.80

WINOOSKI RIVER
MIDDLESEX ? MORETOWN
TRACT CONVEYED BY DEED BOOK 9 PAGE 5
TH 2 32+00~33+50 LT. NEW 6'X150' UNDERDRAIN W/FB @ 32+00 LT.
TH 2 33+50 LT. NEW 6'X12' UNDERDRAIN CARRIER PIPE W/FB @ 33+50 LT.
PT 16+24.41
CABLE GUARD RAIL
BARN
HO. TRAILER
METER BOX
POLE #97/1
GRANITE FENCE POST
WOODS
POWER LINE CLEARING
POLE #161
PI 35+13.603 = 35+10.923
TH 2 31+50~33+75 RT. NEW 6'X226' UNDERDRAIN W/FB @ 31+56 RT.
TH 2 33+75 CL. NEW 6'X56' UNDERDRAIN CARRIER PIPE W/FB @ 33+75 RT.
TH 2 34+32 CL @ 83° LT. EXIST. 1.8'X24' ST. BOX @ OUTLET - REMOVE 18" ACCGMP @ 33+75 RT.
TH 2 34+75 RT. NEW 24"X14" PCCSPIPK.0641, CAAPL.0601 OR CPEP W/"L" HEADWALL AT INLET
TH 2 34+67 ~ 35+07 RT. NEW 15"X40' PCCSPL.0641, CAAPL.0601 OR CPEP
TH 2 35+07 ~ 36+23 RT. NEW 15"X16' PCCSPL.0641, CAAPL.0601 OR CPEP
TH 2 36+23 CL. NEW 18"X48' PCCSPL.0641, OR CAAPL.0601
TH 2 36+23 RT. NEW 15"X56' PCCSPL.0641, CAAPL.0601 OR CPEP
EO. = +31.07'
SURV. 25+48.62
REV. 25+79.69 =

TH 12 20+13.35
BEGIN APPROACH CONSTRUCTION
PVI STA. 20+63.35 ELEV. 527.31' 100' VC K=11.5
+6.3 %
+2.10 %
+10.81967 %
REV. TH 12 25+30.00 ELEV. 577.80'
REV. TH 12 25+79.69 END APPROACH CONSTRUCTION
TH 12 20+05.35 ELEV. 525.76'
REV. ML 207+98.49 = TH 12 POT 19+93.35 ELEV. 525.00'
TOWN HIGHWAY 12

REV. ML 209+81.36 = TH 2 29+92.68 ELEV. 521.18'
TH 2 30+12.70 BEGIN TH 2 APPROACH CONSTRUCTION ELEV. 522.44'
PVI STA. 31+00 ELEV. 524.27' 174.60' VC K=34
+6.5 %
+2.10000 %
-3.02483 %
PVI STA. 33+43.65 ELEV. 516.90' 312.70' VC K=10
+0.07802 %
-1.50000 %
PVI STA. 36+00 ELEV. 517.10' 200' VC K=127
55.60'
TH 2 37+25 END APPROACH CONSTRUCTION
TOWN HIGHWAY 2

03-8053 1805
78E132 J.D.P.

SURVEYED BY	NYE	DATE	12/84
DRAWN BY	MCCLURE	DATE	5/90
SQUAD LEADER	BRUCE BOYD		
DESIGN FILE NO.	zfal:[70,70]78el32zzz.dgn		
IPARM FILE	78el3214r.i	DATE PLOTTED	17-DEC-1993

MORETOWN
RS EGC RS 0167(9)
ROW SHEET 18 OF 20 SHEETS

REMOVAL OF PAVEMENT BELOW SUBGRADE (0' ~ 2') (PAID AS COMMON EXCAVATION)
SURV. 170+75 ~ SURV. 173+25
SURV. 175+25 ~ SURV. 175+75

CUT TO FILL TRANSITION
SURV. 174+35 ~ SURV. 175+12 ℄

COLD PLANING - BIT. PAVEMENT
163+~~70~~ 60 ~ 164+45

STEEL BEAM GUARD RAIL
174+~~75~~ 73 LT. ~ 179+00 LT.

MODIFIED ECCENTRIC LOADER TERMINAL (MELT)
174+~~37.5~~35.5~174+~~75~~ 33 LT

REMOVAL OF EXISTING FENCE
~~169+83 RT. ~ 171+80 RT.~~
~~175+50 LT. ~ 176+35 RT.~~
~~176+35 RT. ~ 178+40 RT.~~
~~178+40 RT. ~ 178+40 LT.~~

TREATED TIMBER CURB
176+00 LT. ~ 179+00 LT.

RELOCATE MAILBOX (SINGLE SUPPORT)
~~167+93 LT.~~
~~172+54 LT.~~
174+40 LT.

CONSTRUCT DRIVE
164+37 RT. (PAVED APRON)
164+88 LT. (PAVED APRON)
165+17 RT. (PAVED APRON)
167+35 LT. (GRAVEL)
168+27 RT. (GRAVEL)
169+55 RT. (GRAVEL)
172+25 RT. (PAVED)
174+00 LT. (GRAVEL)
174+70 RT. (SUBBASE MOD.)(CRUSHED SLATE)

SCARIFYING PAVEMENT
175+75 RT. ~ ~~179+00~~ RT.
181+75 RT

DRIVE GATE FOR WOVEN WIRE FENCE
STA. 169+55 RT. (16' WIDE)
(2 - 8' GATES W/ OPENING IN MIDDLE)

163+~~70~~ 60 BEGIN APPROACH CONSTRUCTION

POT 164+65.23

POT 167+07.26

POT 174+39.25

BM USGS 41 HBC 1967 ELEV. 480.183'

BM #2 RRSIT 2-8" ELMS ELEV. 476.37'

BM #3 CHIS. SQ. ELEV. 464.64'

NOTE : ALL DRIVE RADII ARE 20' UNLESS INDICATED OTHERWISE

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

165+70
END PROJ. SOI67(7)(1967)
END APPROACH CONSTRUCTION
BEGIN PROJ. RSEGC RS 0167(9)

○ DENOTES REMOVAL OF TREE OR STUMP

MATCH LINE STA. 179+00
MATCH TO SHEET #41

SURV. PC 176+39.94

PT 162+08.38

POT 167+07.26

POT 174+39.25

PC 176+39.93

PVI
STA. 164+18.5
ELEV. 469.60'
400' VC
K=65
(43 MPH)
(EXISTING)

PVI
STA. 167+68.5
ELEV. 471.46'
300' VC
K=141

PVI
STA. 174+00
ELEV. 488.25'
500' VC
SSD = 400

-5.6100 %
+0.5314 %
+2.6588 %
-1.5000 %

SUBBASE
SAND BORROW
PRESENT ROAD PROFILE
CUT TO FILL TRANSITION STA. 174+35-175+12
EXISTING PROFILE OF PROPOSED RELOCATED ROAD

SCALES IN FEET
0 50 100
20 10 0

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058.DGN
IPARM FILE DE132LI DATE PLOTTED 08-MAY-2000
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 40 OF 243 SHEETS

DRIVE CURVE DATA
△ = 37°57'-33" LT.
D = 19°-06'
R = 300'
T = 103.18'
L = 195.14'
E = 17.25'

EXCAVATION OF SURFACES AND PAVEMENTS
181+75 RT. ~ ~~185+00 RT.~~ 183+50RT
AREA TO BE TOPSOILED, SEEDED AND MULCHED

STEEL BEAM GUARD RAIL
179+00 LT. ~ 179+50 LT.
58 180+46 LT. ~ REV. 186+~~65.5~~ LT. 63
40 REV. 191+~~62.5~~ RT. ~ REV. 192+~~87.5~~ RT. 86
REV. 193+68.5 LT. ~ REV. 195+00 LT.

SCARIFYING PAVEMENT
179+00 RT. ~ 181+75 RT.
183+00 RT. ~ 185+~~25~~ RT.

CUT TO FILL TRANSITION
REV. 184+66 ~ REV. 185+42 ℄

REMOVAL AND DISPOSAL OF GUARD RAIL
REV. 192+~~69~~ RT. ~ REV. 193+~~20~~ RT.
REV. 193+70 LT. ~ REV. 195+00 LT.

CONSTRUCT DRIVE
SURV. 180+00 LT. (GRAVEL) 185+00
SURV. 183+25 RT. ~ SURV. 184+~~50~~ RT.
(GRAVEL PARKING AREA)
SURV. 184+40 RT. (GRAVEL)
~~REV. 186+59 RT. (PAVED)~~
REV. 189+57 LT. (GRAVEL)
REV. 190+90 RT. (GRAVEL) 65
REV. 191+62 LT. (GRAVEL)
REV. 192+69 LT. (GRAVEL)
REV. 193+70 RT. (GRAVEL)
REV 187+25 LT (GRAVEL)
REV 187+25 LT (PAVED)

GRUBBING MATERIAL
AT INLET OF 60" CULVERT
((SEE SHEETS 66,67 AND 68))

MODIFIED ECCENTRIC LOADED TERMINAL (MELT)
179+50~179+87.5 LT.
20 180+08.5~180+46 LT. 58
REV. 186+~~65.5~~~REV 187+03 LT. 01
30 REV. 191+~~25~~~REV 191+~~62.5~~ RT. 50
86 REV. 192+~~87.5~~~REV 193+25 RT. 34
REV. 193+31~REV 193+68.5 LT.

SURV.CURVE # 2 DATA
△ = 13°22'-04" LT.
D = 2°-00'
R = 2864.79'
T = 335.72'
L = 668.39'
E = 19.60'

REV.CURVE # 2 DATA
△ = 15°-21'-08" LT.
D = 2°-15'-00"
R = 2546.48'
T = 343.22'
L = 682.32'
E = 23.03'
FULL BANK = 0.042 FT / FT

CONSTRUCT APPROACH
181+71.10 RT (TH 66)

SURV.CURVE #1 DATA
△ = 07°-58'-03" LT.
D = 1°-30'
R = 3819.72'
T = 266.01'
L = 531.17'
E = 9.25'
BANK = 0.030 FT/FT

MATCH TO SHEET #40

DRIVE PI 11+41.78 = 11+30.56

DRIVE PC 10+38.60

MATCH LINE STA. 179+00

180+50 C.L. 80 NEW 18"X 88' PCCSP(.064), CAAP(.060) OR CPEP W/STONE FILL, TYPE I, @ OUTLET

SURV.PT 181+71.10 = TH 66 POT 0+00.00 △ = 90° RT.

182+00 LT. 60 NEW 18"X56' CSP(.064) OR CAAP(.060) W/STONE FILL, ELBOW W/25° & 15° TYPE II, @ OUTLET

182+00 LT.~182+53 RT. 78 NEW 18"X64' PCCSP(.064), CAAP(.060) OR CPEPSL W/END SECTION AND INLET DITCH

BM #4 SIT 8" POP. ELEV. 499.31

POT 184+82.83

POT 183+17.66

APPROX. AERIAL RELOC. RTE BY NYNEX, GMP, & ADELPHIA

SURV.PC 186+26.78
REV.POT 186+20.52
EQ. +6.26
REV.PT 186+43.02

FIELD

WOODS

S 62°-24'-32" E

EXISTING R.O.W.

TH 66 PC 0+49.69

ML POC 180+00=
DR. POT 10+00
△=89° 37' 30" LT.

SURV. CURVE #1 PI
179+05.95=
179+05.09

PT 2+59.19

S 81°-38'-28" W

180+29 RT. ASKEW 86°-07' LT. EXISTING 12" ACCGMP REMOVE

TH 66 POC 2+53
END APPROACH CONSTRUCTION

TH 66 2+50 LT. EXIST. 12" CGMP RETAIN

TH 66 PI 1+62.85= 1+45.83

TH 66 0+87 ℄ EXISTING 15" CGMP REMOVE

183+95 RT. EXIST. 10" CMP (POOR) REMOVE

183+85~REV. 186+19 RT. 87+70 NEW 15"X29' CSP(.064), RCP CL. III OR CPEPSL 137 86

184+02 ~ 184+53 RT. 7+85 NEW 15"X35' RCP CL. III CSP (.064) OR CPEPSL 99

184+32~184+60 RT. EXIST. 12" CMP REMOVE

184+26~184+68 RT. EXIST. CMP. (SIZE UNKNOWN) REMOVE

REV.186+54~REV.191+67 RT. 7.75 NEW 6"X474' UNDERDRAIN W/FB @ REV. 186+94 RT. AND @ REV. 188+54 RT. 75

REV.189+75 REV. 190+70 RT. EXIST. WATER OVERFLOW PIPE

REV.190+74~REV.191+00 RT. 45 RETAIN

REV.190+74 NEW 15"X66' RCP CL. III CSP(.064) OR CPEPSL 191+70 RT. 65

REV.190+70~REV.191+70 RT. 1/4"X60" PLASTIC WATER PIPE (FLEXIBLE) WATER OVERFLOW PIPE) INTERCEPT EXISTING PIPE @ REV. 190+70 RT. W/ 6" X 100' SLEEVE FOR UTILITIES

REV.191+03 RT.~REV.191+94 RT. EXISTING PIPE REMOVE

SEE SHEETS 66, 67 AND 68 FOR CULVERT INLET AND HEADWALL DETAILS

REV.186+44~192+36 LT. NEW 6"X592' UNDERDRAIN W/FB @ 186+44 LT. AND @ 189+94 LT.

GAR. GRAV. DR. 1ST. WFH

REV.191+24 LT.~REV.191+41 RT. APPROX. LOC. OF NEW 6"X65' (PVC SCHEDULE 40) SLEEVE FOR UTILITIES (TO CARRY A FUTURE WATERLINE) 67

140 LT SEAMLESS COPPER WATER TUBES

REV.191+87 RT. ~ REV.193+32 RT. 82 NEW 6" X 207' UNDERDRAIN W/ FB @ 193+32 RT. 82

REV.191+85 RT. ~ REV.193+96 LT. 260 NEW 60"X 236' CSP(.138)TR CAAP(.135) W/ INLET DITCH W/ STONE FILL, TYPE II

REV.193+11 RT.~REV.193+26 LT. APP. LOC. NEW 6"X62' (PVC SCHEDULE 40) SLEEVE FOR UTILITIES (TO CARRY A WATERLINE) SERVICE BOX AND CURB STOP @ REV. 193+11 RT. NEW 1"X4"X62' SEAMLESS COPPER WATER TUBE (INTERCEPT EXISTING)

REV.193+44~REV.193+84 ℄ REMOVE EXISTING 15" ℄CGMP

REV.193+84 NEW 8"X78' CAAP(.060), CSP(.064) OR CPEP 78

REV. 193+98 RT. ~ REV. 196+60 RT. 65 NEW 6"X270' UNDERDRAIN (MOD.) W/ FB @ REV. 196+60 RT.

REV. 194+10 RT. ~ REV. 196+40 RT. NEW RETAINING WALL NO. 2 STEEL TOWER

REV.192+36 LT. ~ REV.193+94 LT. NEW 18"X180' PCCSP(.064), CAAP(.060) OR CPEP

REV.193+09 LT. ASKEW 52°-33' LT. EXIST. 48" RCP REMOVE PIPE AND HEADWALL BACKFILL TRENCH W/MATERIAL REMOVED FROM TRENCH FOR 60" PIPE

℄ 71.5' LT NEW 6'X67 LF SLEEVE FOR FUTURE USE

REV.193+24 LT. EXIST. 1'X5' CONC.BOX REMOVE 58' OF EXISTING CONC. BOX BACKFILL TRENCH W/MATERIAL REMOVED FROM TRENCH FOR 60" PIPE

REV.193+94~REV.194+00 LT. NEW 18"X62' CAAP(.060), OR CPEP 55

REV.193+54 LT. EXIST. 48" BOILER PIPE REMOVE

REV.193+94~REV.195+00 LT. NEW 6"X 106' UNDERDRAIN

REV.192+36 LT. ~ REV.193+26 LT. NEW 18"X62' RCP CL. III CSP(.064) OR CPEPSL 99

REV. 193+25.34

REV.PT 193+25.34

SURV.PT 192+95.17

MATCH TO SHEET #43

MATCH LINE REV. STA. 195+00

193+25 C 83 2'-0" NEW 2-1/2"X74' WATER LINE FOR 1.25 INCH WATER SERVICE

1.25 SEAMLESS COPPER WATER TUBE

BM #5 SIR 18" PINE ELEV. 500.09

SURV. PI 195+57.09

EXISTING 15" ℄CGMP

4 JEFFERSON MAPLES

SURV. CURVE #2 PI 189+62.50 = 189+59.45

REV. CURVE #2 PI 189+86.24 = 189+82.12

TH 66 CURVE DATA
△ = 54°-00'-00" RT.
D = 25°-48'
R = 222.08'
T = 113.16'
L = 209.30'
E = 27.17'
BANK = 0.021FT / FT

EROSION MATTING (ON SLOPE) (ABOVE RETAINING WALL)
REV. 193+93.73 ~ REV. 195+00 RT.

GEOTEXTILE UNDER STONE FILL
AT INLET OF 60" CULVERT
((SEE SHEETS 66,67 AND 68))

TREATED TIMBER CURB
179+00 LT. ~ 179+50 LT.
180+46 LT. ~ 185+50 LT.

RELOCATE MAILBOX
SURV. 181+60 RT. (MULTIPLE)
REV. 187+04 LT. (SINGLE)
REV. 189+47 LT. (SINGLE)
~~REV. 189+51 LT. (SINGLE)~~
191+80 ~~REV. 192+00 LT. (SINGLE)~~
190+50 RT
184+ 59 RT

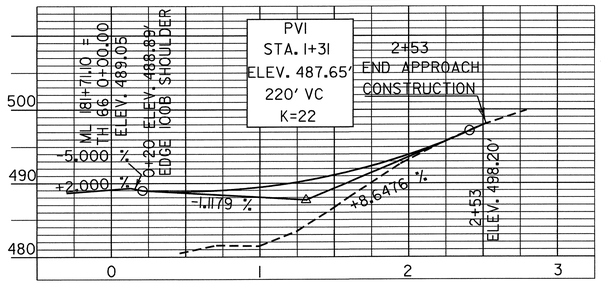
○ DENOTES TREE OR STUMP REMOVAL

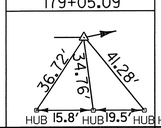
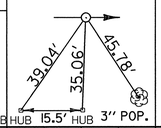
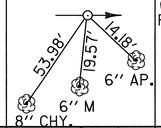
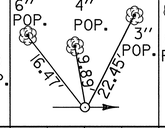
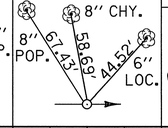
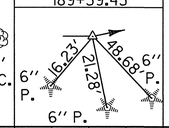
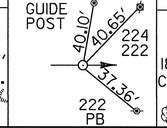
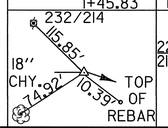
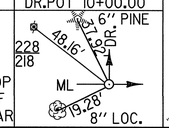
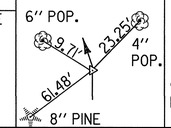
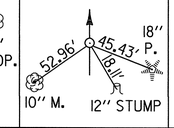
DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

0 50 100
SCALE IN FEET

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUADB DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058.DGN
IPARM FILE DE132L2 DATE PLOTTED 01-MAR-2000
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 41 OF 243 SHEETS

TOWN HIGHWAY 66



PI 179+05.94 = 179+05.09	PT 181+71.10	POT 183+17.66	POT 184+82.83	PC 186+26.78	PI 189+62.50 = 189+59.45	POT 193+57.09	TH 66 PI 1+62.85 = 1+45.83	ML POC 187+50 = DR. POT 10+00.00	DR. PI 11+03.70	DR. POT 12+17.36
										

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

EQ. = +6.26'
REV. POT 186+20.52 =
SURV. PC 186+26.78

PVI
STA. 179+50
ELEV. 480.00'
600' VC
K=110

PVI
STA. 186+75
ELEV. 509.00'
650' VC
SSD = 401

PVI
STA. 194+00
ELEV. 498.83'
650' VC
K=101

-1.5000 %
+3.9658 %
-1.4028 %
+5.0606 %

SUBBASE
SAND BORROW
CUT TO FILL TRANSITION
STA. 184+66~185+42
PRESENT ROAD PROFILE
EXISTING PROFILE OF PROPOSED RELOCATED ROAD

530
520
510
500
490
480
470
460

179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195

SCALES IN FEET
0 50 100
20 10 0

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058.DGN
IPARM FILE DE132P2 DATE PLOTTED 16-DEC-1999
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 42 OF 243 SHEETS

CONSTRUCT ACCESS DRIVE
REV. 198+05 LT. ~ REV. 199+30 LT. (APPROXIMATELY)
* NOTE : ACTUAL LOCATION OF PROPOSED ACCESS FOR DAM TO BE DETERMINED BY THE ENGINEER UPON CONSTRUCTION

BM
VTAT DISK
"DAM ONE"
ELEV. 505.555'

REV. CURVE #3 PI 201+23.23 =
201+20.75

SURV. CURVE #3 PI 201+47.39 =
201+46.36

SURV. CURVE # 4 DATA
Δ = 67°-13'-03" LT.
D = 9°
R = 636.62'
T = 423.11'
L = 746.86'
E = 127.78'

REV. CURVE # 4 DATA
Δ = 71°-28'-02" LT.
D = 8°-30'
R = 674.07'
T = 484.97'
L = 840.79'
E = 156.33'
FULL BANK = 0.063 FT/FT

MATCH LINE REV. STA. 195+00

MATCH TO SHEET #41

MATCH TO SHEET NUMBER #66

MATCH TO SHEET NUMBER #62

MATCH TO SHEET NUMBER #45

REV. 210+03
END PROJECT
RSEGC RS0167(9)
BEGIN PROJECT
BRS0167(II)

REMOVAL AND DISPOSAL OF GUARD RAIL
REV. 195+00 LT. ~ REV. 199+40 LT.
REV. 199+30 LT. ~ REV. 200+10 LT.
REV. 200+25 LT. ~ REV. 206+60 LT.
REV. 206+90 LT. ~ REV. 207+10 LT.
TH 2 31+00 ~ 31+50 LT.

SURV. CURVE # 3 DATA
Δ = 11°-45'-00" RT.
D = 4°-00'
R = 1432.40'
T = 147.39'
L = 293.75'
E = 7.56'

REV. CURVE # 3 DATA
Δ = 17°-59'-03" RT.
D = 6°-00'
R = 954.93'
T = 151.11
L = 299.74'
E = 11.88'
FULL BANK=0.077 FT/FT

SCARIFYING PAVEMENT

EXCAVATION OF SURFACES AND PAVEMENTS
(AREA TO BE TOPSOILED, SEEDED AND MULCHED)
~~REV. 205+35 LT. ~ REV. 205+75 LT.~~
27 REV. 206+50 LT. ~ REV. 206+90 LT.
(OLD BRIDGE APPROACH) 78
~~OLD TH 2 : SURV. 30+75 ~ 31+50 LT.~~
~~OLD TH 12 : REV. 21+86 ~ 22+50 RT.~~

SCARIFYING PAVEMENT
REV. 198+75 LT. ~ 201+00 LT.
REV. 205+75 LT. ~ 207+00 LT.
35 206+28
DRIVE GATE FOR WOVEN WIRE FENCE
REV. STA. 198+50 RT. (16' WIDE)
(2 - 8' GATES W/OPENING IN MIDDLE)

EROSION MATTING (ON SLOPE) (ABOVE RETAINING WALL)
REV 195+00 ~ REV 197+93.97 RT

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE
40 REV. 199+85 ~ REV. ~~204+75~~ 1+47
REV. 205+25 ~ REV 207+25 22
96 REV. 209+25 ~ REV 210+25*
*PAYMENT INCLUDED UNDER THE MORETOWN-MIDDLESEX BRS 0167(II) PROJECT
~~TH 12 REV 21+75 ~ REV 22+75~~
TH 12 REV ~~23+85~~ ~ REV ~~24+25~~
20+00 20+20

STEEL BEAM GUARD RAIL
REV. 195+00 LT. ~ REV. 209+81 LT.

CONSTRUCT DRIVE
REV. STA. 198+85 RT. (16' GRAVEL)

CONSTRUCT PARKING AREA
REV. 205+90 LT. ~ REV. 207+05 LT.
(PAVED)
(ISLAND TO BE TOPSOILED AND SEEDED)

GRUBBING MATERIAL
REV. 198+00 LT. ~ REV. 202+00 LT.
REV. 205+00 RT. ~ REV. 205+50 RT.
REV. 208+00 LT. ~ REV. 209+50 LT.

REMOVAL OF PAVEMENT. BELOW SUBGRADE (0'-2') (PAID AS COMMON EXCAVATION)
REV 197+93.97 ~ REV 198+75

ALUMINUM APPR. RAIL (MOD*2)
TH 2 30+73 LT ~ REV 210+28 RT (75').

ALUMINUM APPR. RAIL (MOD*1)
REV 209+81 ~ REV 210+06 LT (25')
REV 210+28 ~ REV 210+53 RT (25').

REMOVAL OF EXISTING FENCE
TH 2 30+25 ~ 31+50 RT.

TREATED TIMBER CURB
56 REV. 207+~~30~~ LT. ~ REV. 209+56 LT.
REV. 209+56 LT. ~ REV. 210+~~06~~ LT.
08

STONE FILL, TYPE II
(FOR SLOPE STABILIZATION)
REV. 205+00 RT. ~ REV. 205+~~50~~ RT.
75

GEOTEXTILE UNDER STONE FILL
REV. TH 12 20+34 LT. ~ 22+95 LT.
REV. TH 12 20+50 RT. ~ 22+30 RT.
REV. TH 12 23+00 LT. ~ 25+30 LT.

CONSTRUCT APPROACH
REV. POC 207+98.29 (TH 12)
REV. POC 209+81.36 (TH 2)

30" REINFORCED CONCRETE PIPE (MOD)
REV 207+60 ~ 207+82 LT
(BARRICADE AT END OF EXISTING BRIDGE; REFER TO DETAIL ON SHEET * 183 OF PLANS)
COST OF THIS BARRICADE IS A MORETOWN-MIDDLESEX BRS 0167(II) QUANTITY

TH 12 SURV. CURVE #1 DATA
Δ = 60°-17'-30" RT.
D = 27°-01'-35"
R = 212.00'
T = 123.12'
L = 223.09'
E = 33.16'

TH 12 SURV. CURVE #2 DATA
Δ = 74°-57'-35" LT.
D = 29°-59'-52"
R = 191.00'
T = 146.45'
L = 249.87'
E = 49.68'

TH 12 REV. CURVE #1 DATA
Δ = 79°-00'-21" RT.
D = 76°-23'-40"
R = 75.00'
T = 61.83'
L = 103.42'
E = 22.20'

TH 12 REV. CURVE #2 DATA
Δ = 59°-31'-08" LT.
D = 28°-38'-52"
R = 200.00'
T = 114.35'
L = 207.76'
E = 30.38'

TH 12 REV. CURVE #3 DATA
Δ = 34°-09'-18" LT.
D = 28°-38'-52"
R = 200.00'
T = 61.44'
L = 119.22'
E = 9.23'

TH #2 CURVE #1 DATA
Δ = 56°-25'-35" LT.
D = 60°-00'
R = 95.493'
T = 51.23'
L = 94.044'
E = 12.87'

REV. 25+79.69
END TH 12 APPROACH CONSTRUCTION

BM
VTAT
CHIS. SQ.
ELEV. 529.78'

TBM#1
SIR 18" M
ELEV. 521.95'

○ DENOTES REMOVAL OF TREE OR STUMP

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

SCALE IN FEET 0 50 100

SURVEYED BY	FANTONI	DATE	1/87
DRAWN BY	SQUAD B	DATE	8/87
SQUAD LEADER	DELLA SANTA		
DESIGN FILE NO.	/SQDB/84E058/DE058.DGN		
IPARM FILE	DE132L3	DATE PLOTTED	18-MAY-2000
PROJ. NAME	MORETOWN		
PROJ. NO.	RSEGC-RS 0167(9)		
SHEET	43 OF 243 SHEETS		

POC 206+50.00 = TH 12 TRAV. POT 50+00.00	TH 12 TRAV. POT 53+70.83	POC 208+00 = TH 12 SURV. POT 20+00.07	TH 12 SURV. PI 21+40.00 = 21+16.85	TH 12 SURV. POST 22+06.90	TH 12 SURV. PT 22+39.97	TH 12 SURV. PI 24+45.19 = 24+02.16	TH 12 SURV.PT 25+48.62	POC 209+85.00 = TH 2 SURV. POT 30+00.00	TH 2 SURV. PC 30+40.67	TH 2 SURV.PT 31+34.71	
GMP 235/NET 1-14-2 26.14' 24.95' ML TH 12 24.22' IRON PINS IN LEDGE	21.17' 20.12' 21.81'	ML 16.00' 31.60' 15" BIR. TH 12 4" CHY.	6" OAK STUMP 5.34' 1.75' 4" STUMP	6" SPRUCE VELCO 299 15.93' 19.08' 24.43' VELCO A	6" SPRUCE 14.15' 41.76' VELCO A	34.56' 43.80' 38.78' GMP 103	12" STUMP 33.76' 43.71' 29.30' 30" MAPLE	15" PINE 4" CHY. 13.86' 9.23' 7.00 ML TH 12 3/191	15" W.B. 16.15' 37.40' 18" M. 27.69' 8" Y.B.	4" M. 8" M. 4.61' 9.23' 16.92' 8" Y.B.	
POT 195+87.73	POT 197+43.16	POT 199+00.00	PC 200+00.00	PI 201+47.49 = 201+46.36	POT 203+34.08	PC 205+50.67	POST 208+00.66	POST 209+31.45	PI 209+73.78 = 208+74.42	POC 210+12.50	POST 210+35.16
8" HEM. 30.91' 5.17' 23.49' 2-12" OAKS	6" HEM. 1.43' 5.39' 8" PINE	16" ELM 23.55' 23.55' 14.85' 4" YB 4" PINE	4.82' 7.38' 4.73' 16" PINE 4" P. 3" PINE	6" POP. 16.57' 7.02' 2" M. 3.87' 2" M	3" OAK 4" PINE 17.86' 4.61' 5.25' 4" PINE	25.06' GUY ANCHOR IN LEDGE 9.35' 28.70' 4" CHY.	2.5' X 5' SPRING BOX 28.25' 11.21' 8.31' 6" M. 3" YB.	6" OAK 6" M. 8.42' 3.19' 5.46' 6" M. STUMP	6" M. 19.88' 8" P. 21.79' 0.59' 12" PINE	4" M. 6" IRON WOOD 7.43' 11.59' 6" M.	4" WB. 4" HEM. 27.06' 12.31' 8.48' 18" POP.

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

EXISTING PROFILE OF PROPOSED RELOCATED ROAD

PRESENT ROAD PROFILE

+5.0606 %

-2.0920 %

PVI
STA. 201+75
ELEV. 538.05'
800' VC
SSD = 386

550 540 530 520 510 500 490 480

195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211

SCALES IN FEET
0 50 100
20 10 0

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058.DGN
IPARM FILE DE132P3 DATE PLOTTED 4-SEP-1997
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 44 OF 243 SHEETS

TH 2 CURVE # 2 DATA
△ = 21°-49'-45" LT.
D = 10°
R = 572.958'
T = 110.486'
L = 218.292'
E = 10.55'

37+75
END TH 2 APPROACH CONSTRUCTION

TH 2 POT 38+33.80

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE
TH 2 31+75. ~ 33+25 59

GRUBBING MATERIAL
TH 2 34+00 LT. ~ 37+25 LT.

MODFIED ECCENTRIC LOADER TERRMINAL(MELT)
TH 2 33+25 ~ 33+62.5 LT.
TH 2 36+87.5 ~ 37+25 LT.

EXCAVATION OF SURFACES AND PAVEMENTS
((AREA TO BE TOPSOILED, SEEDED AND MULCHED))
~~OLD TH 2 : SURV. 31+50 ~ 33+75 LT.~~

CONSTRUCT DRIVE
TH 2 34+88 RT. (GRAVEL)
TH 2 36+50 RT. (GRAVEL)

DRIVE GATE FOR WOVEN WIRE FENCE
TH 2 34+88 RT. (16' WIDE)
(2 - 8' GATES W/ OPENING IN MIDDLE)

REMOVAL AND DISPOSAL OF GUARD RAIL
TH 2 31+50 ~ 32+54 LT.
TH 2 33+00 ~ 37+07 LT.

REMOVAL OF EXISTING FENCE
~~TH 2 31+50 ~ 35+00 RT.~~

STEEL BEAM GUARD RAIL
TH 2 33+62.5 ~ 36+87.5 LT.

MATCH LINE 31+50 MATCH TO SHEET NUMBER #43
MATCH TO SHEET NUMBER 119
EXISTING R.O.W.
TH 2
S51°-55'-35"E
WINOOSKI RIVER
PT 6+21.41
S73°-45'-20"E
PC 34+03.12
PI 35+13.603 = 35+10.923
BARN
HD. TRAILER
GUY
WOODS
POWER LINE CLEARING
APPROX. AERIAL RELOC. ROUTE BY NYNEX & GMP
TH 2 31+65 RT. REMOVE EXIST. 15' CGMP
TH 2 31+50-33+50 LT. NEW 6'X225' UNDERDRAIN W/FB @ 31+56 RT.
TH 2 33+25 CL NEW 6"X156' UNDERDRAIN PIPE W/FB @ 33+75 RT.
TH 2 32+00-33+50 LT. NEW 6" UNDERDRAIN W/FB @ 32+00 LT.
TH 2 33+50 LT. NEW 6"X12' UNDERDRAIN CARRIER PIPE W/FB @ 33+50 LT.
TH 2 34+32 CL ASKEW 83° LT. EXIST. 18"X24" ST. BOX @ OUTLET REMOVE
TH 2 34+32 LT.-34+75 RT. NEW 24"X44" PCCSP(.064) HEADWALL AND CPEP OR CPEP W/ AT INLET AND STONE FILL
TH2 34+65 TO 35+07RT NEW 15"X60 LF CSP (.064)
TH 2 34+67 ~ 35+07 RT. NEW 15"X40' PCCSP(.064) CAAP(.060) OR CPEP
TH 2 35+01 ~ 36+23 RT. NEW 15"X46' PCCSP(.064) CAAP(.060) OR CPEP
TH 2 36+23 CL NEW 18"X28' PCCSP(.064) CAAP(.060) OR CPEP
TH 2 36+23 ~ 36+79 RT. NEW 15"X56' PCCSP(.064) CAAP(.060) OR CPEP
148 27 212 40 100 6'X20 LF CARRIER

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

EQ. = +31.07'
SURV. 25+45.62
REV. 25+79.69

○ DENOTES REMOVAL OF TREE OR STUMP

0 50 100
SCALE IN FEET

TH 2 PC 34+03.12
12.53' 9.12' 10" M. 12.12' 2-6" M. 4-6" M.

TH 2 PI 35+13.603 = 35+10.923
24" M. 25.79' 11.88' 10.17' 4" M. 30" YB

TH 2 POT 38+33.80
48.01' 27.35' 33.26' 8" E. 16" BUT. 16" BUT.

TH 12 20+13.35
BEGIN APPROACH CONSTRUCTION
ELEV. 526.26

PVI
STA. 20+63.35
ELEV. 527.31'
100' VC
K=11

+6.3 % -2.10 %

REV. TH 12 25+30.00
ELEV. 577.60'

REV. TH 12 25+79.69
END APPROACH CONSTRUCTION

TH 12 20+05.35
ELEV. 525.76'

REV. ML 207+98.47 = TH 12 POT 19+93.35
ELEV. 525.00'

TOWN HIGHWAY 12

REV. ML 209+81.36 = TH 2 29+92.68
ELEV. 521.18'

TH 2 30+12.68
BEGIN TH 2 APPROACH CONSTRUCTION
ELEV. 522.44'

+6.0 % +2.0950 %

PVI
STA. 31+00
ELEV. 524.27'
174.60' VC
SSD = 217

-3.0248 %

PVI
STA. 33+43.65
ELEV. 516.90'
312.70' VC
K=101

+0.0780 %

PVI
STA. 36+00
ELEV. 517.10'
200' VC
SSD=454

+.8060 %

TH 2 37+75
END APPROACH CONSTRUCTION

TOWN HIGHWAY 2

SCALES IN FEET
0 50 100
20 10 0

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058.DGN.DGN
IPARM FILE DE132L4 DATE PLOTTED 01-MAR-2000
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 45 OF 243 SHEETS

20 21 22 23 24 25 30 31 32 33 34 35 36 37 38
580 570 560 550 540 530 520 510 500

MORETOWN RSEGC - RS 0167(9)

BORING NO. R - 1

ELEV. 540.2± X Sect.

DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
		5		M	brn	A-4 Sandy Silt w = 24.6%
10		9		M	brn	A-4 Sandy Silt w = 29.0%
		11		M	gr	A-4 Sandy Silt w = 22.2%
20		15		M	gr	A-4 Sandy Silt w = 26.0%
		18		M	gr	A-4 Sandy Silt w = 23.1%
30		12		M	gr	A-4 Sandy Silt w = 28.9%
		45		M	gr	A-2-4 Silty Sand w = 17.1%
40		24		MW	gr	A-4 Silt w = 29.5%
		28		M	gr	A-4 Silty Sand w = 24.6%
50		33		M	gr	A-4 Silty Sand w = 23.4%
		---		M	gr	A-1-b GrSa w = 13.3% ▼ Top of Bedrock and Groundwater at 55.8'
60						Run 1 AXMDC Interval 55.8 - 60.8 % Rec. 70; Run 2 AXMDC 60.8 - 65.8 40; Run 3 AXMDC 65.8 - 68.8 100
						See Geologist's Report Below
70						Hole stopped at 68.8' in Bedrock
						Groundwater Elevation = 484.4 on 6/22/89
80						Core consists of quartz-sericite-chlorite schist. The rock contains pyrite and magnetite which weathers to iron oxides. The rock is moderately soft, slightly weathered and competent. A moderate amount of weathering occurs between 60.8' and 65.8'.
90						

550 / 540 / 530 / 520 / 510 / 500 / 490 / 480 / 470

MORETOWN RSEGC - RS 0167(9)

BORING NO. R - 2

ELEV. 539± X Sect.

DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
		15		M	brn	A-4 Sandy Gravelly Silt w = 11.9%
10		22		M	gr	A-4 Sandy Gravelly Silt w = 22.1%
		20		M	gr	A-4 Silt w = 26.3%
20		19		M	brn	A-4 SiSa w = 16.4%
						Top of Bedrock at 22.5'
						Run 1 AXMDC Interval 22.5 - 27.5 % Rec. 44; Run 2 AXMDC 27.5 - 32.5 76
30						See Geologist's Report Below
						Hole stopped at 32.5' in Bedrock
						No Groundwater to Depth on 6/26/89
40						Core consists of quartz-sericite-chlorite schist. The rock is moderatley soft, slightly weathered and competent overall. Poor core recovery may be due to a weathered quartz-rich zone. Upper 5' of the rock may be poorer quality than indicated by the recovered core.
50						
60						
70						

MORETOWN RSEGC - RS 0167(9)

BORING NO. R - 3

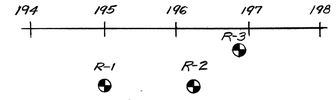
ELEV. ±539 X-Section

DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
		5		M	brn	A-4 Silty Sand
10		12		M	brn	A-4 Sandy Silt w = 23.0%
		14		M	brn	A-4 Sandy Silt w = 29.2%
20		13		M	brn	A-4 Sandy Silt w = 29.2%
		21				No Recovery
						Top of Bedrock at 29.0'
						Run 1 AXMDC Interval 29.0 - 34.0 % Rec. 48; Run 2 AXMDC 34.0 - 39.0 100
30						See Geologist's Report Below
						Hole stopped at 39.0' in Bedrock
						No Groundwater to Depth on 6/2/89
40						Core consists of quartz-sericite-chlorite schist. Poor recovery in the upper 5' may indicate an extensive zone of fracturing and weathering. Below this, the rock is moderately soft, slightly weathered, and competent overall.
50						
60						

BORING NOMENCLATURE

- STANDARD PENETRATION BORINGS
  - SAMPLER OUTSIDE DIAMETER 2"
  - SAMPLER INSIDE DIAMETER 1 3/8"
  - WEIGHT OF HAMMER 140 LBS
  - HAMMER FALL 30"
- AUGER BORINGS
- ROD SOUNDINGS
- UP UNDISTURBED PISTON SAMPLE
- VS FIELD VANE SHEAR SAMPLE

BORING NO.	STATION	OFFSET	GROUND ELEV.
R-1	195 + 00	40' RT	540.2±
R-2	196 + 25	40' RT	539.0±
R-3	196 + 90	30' RT	539.0±



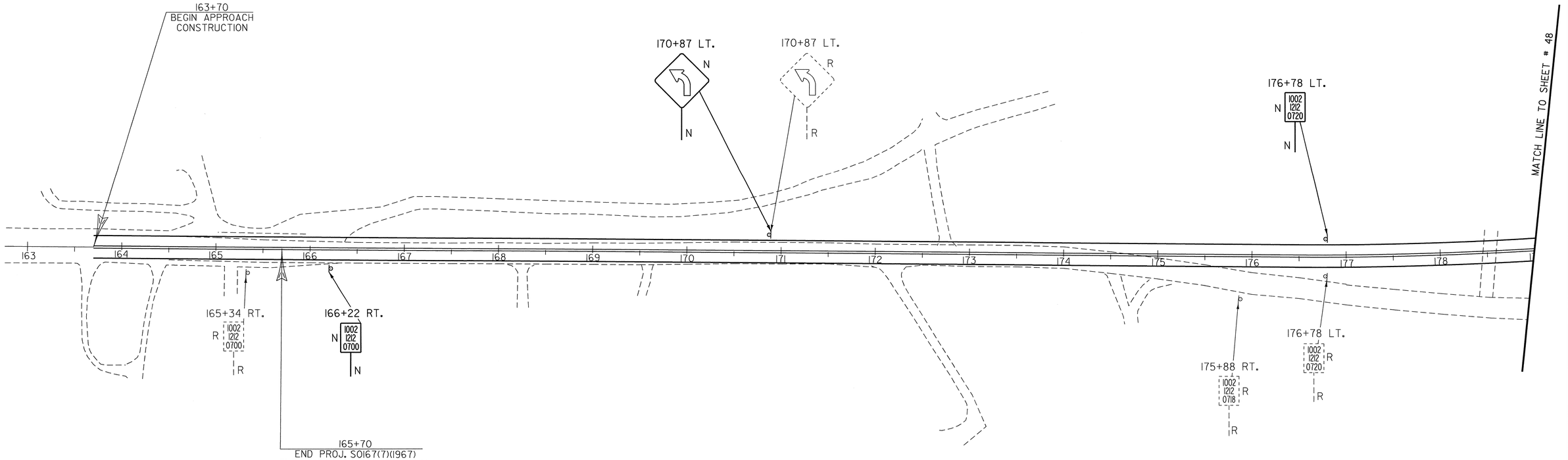
BORING PLAN

SCALE: 1" = 50'-0"

DATUM
VERTICAL _____
HORIZONTAL _____

SURVEYED BY _____ DATE _____
DRAWN BY VEILLEUX DATE 10-89
SQUAD LEADER BRUCE BOYD
DESIGN FILE NO. _____ DATE PLOTTED _____
PROJ. NAME MORETOWN
PROJ. NO. RS 0167(9)
SHEET 46 OF 243 SHEETS

BRUNING 44-232 74357



DURABLE 4" YELLOW LINE

STA. 163+70 TO 179+00 C.L. (DOUBLE)

TEMPORARY 4" YELLOW LINE

STA. 163+70 TO 179+00 C.L. (DOUBLE)

DURABLE 4" WHITE LINE

STA. 163+70 TO 179+00 RT.
STA. 163+70 TO 179+00 LT.

TEMPORARY 4" WHITE LINE

STA. 163+70 TO 179+00 RT.
STA. 163+70 TO 179+00 LT.

REMOVING SIGNS 4

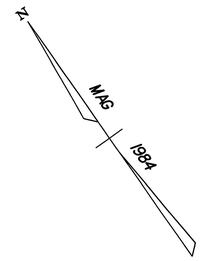
SALVAGE SIGNS 0

LEGEND FOR SIGNS

N = NEW SIGN
R = REMOVE SIGN
S = SALVAGE SIGN

NOTE : DASHED SIGNS AND POSTS ARE EXISITING

NOT TO SCALE



NOTES:

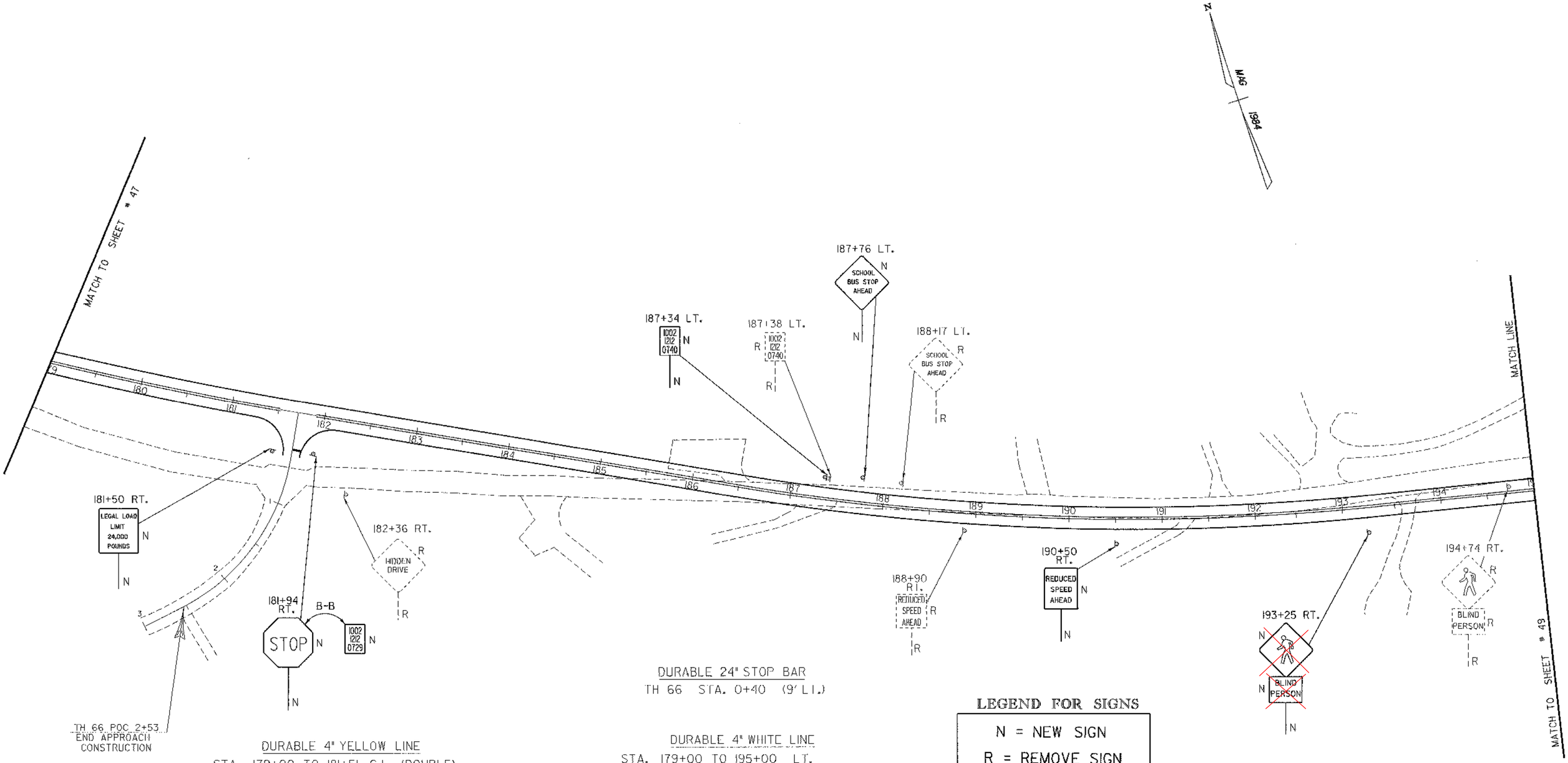
-EXISTING SIGN INVENTORY AS OF 10/11/95

TRAFFIC SHEET 1 OF 7 SHEETS

SIGN & PAVEMENT MARKING LAYOUT SHEET

de058tbr.dgn

DRAWN BY TRAFFIC & SAFETY DATE 03/06/95
DESIGN FILE NO. /SQDB/84E058/DE058TBR.DGN
IPARM FILE DE132MKIJ DATE PLOTTED 30-NOV-1999
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 47 OF 243 SHEETS



DURABLE 4" YELLOW LINE

STA. 179+00 TO 181+51 C.L. (DOUBLE)
STA. 181+91 TO 195+00 C.L. (DOUBLE)

TEMPORARY 4" YELLOW LINE

STA. 179+00 TO 181+51 C.L. (DOUBLE)
STA. 181+91 TO 195+00 C.L. (DOUBLE)

REMOVING SIGNS 6

SALVAGE SIGNS 0

DURABLE 24" STOP BAR

TH 66 STA. 0+40 (9' LT.)

DURABLE 4" WHITE LINE

STA. 179+00 TO 195+00 LT.
STA. 179+00 TO 181+62 RT.
STA. 181+80 TO 195+00 RT.

TEMPORARY 4" WHITE LINE

STA. 179+00 TO 195+00 LT.
STA. 179+00 TO 181+30 RT.
STA. 182+16 TO 195+00 RT.

NOTE : DASHED SIGNS AND POSTS ARE EXISTING

LEGEND FOR SIGNS

N = NEW SIGN
R = REMOVE SIGN
S = SALVAGE SIGN

NOTES:

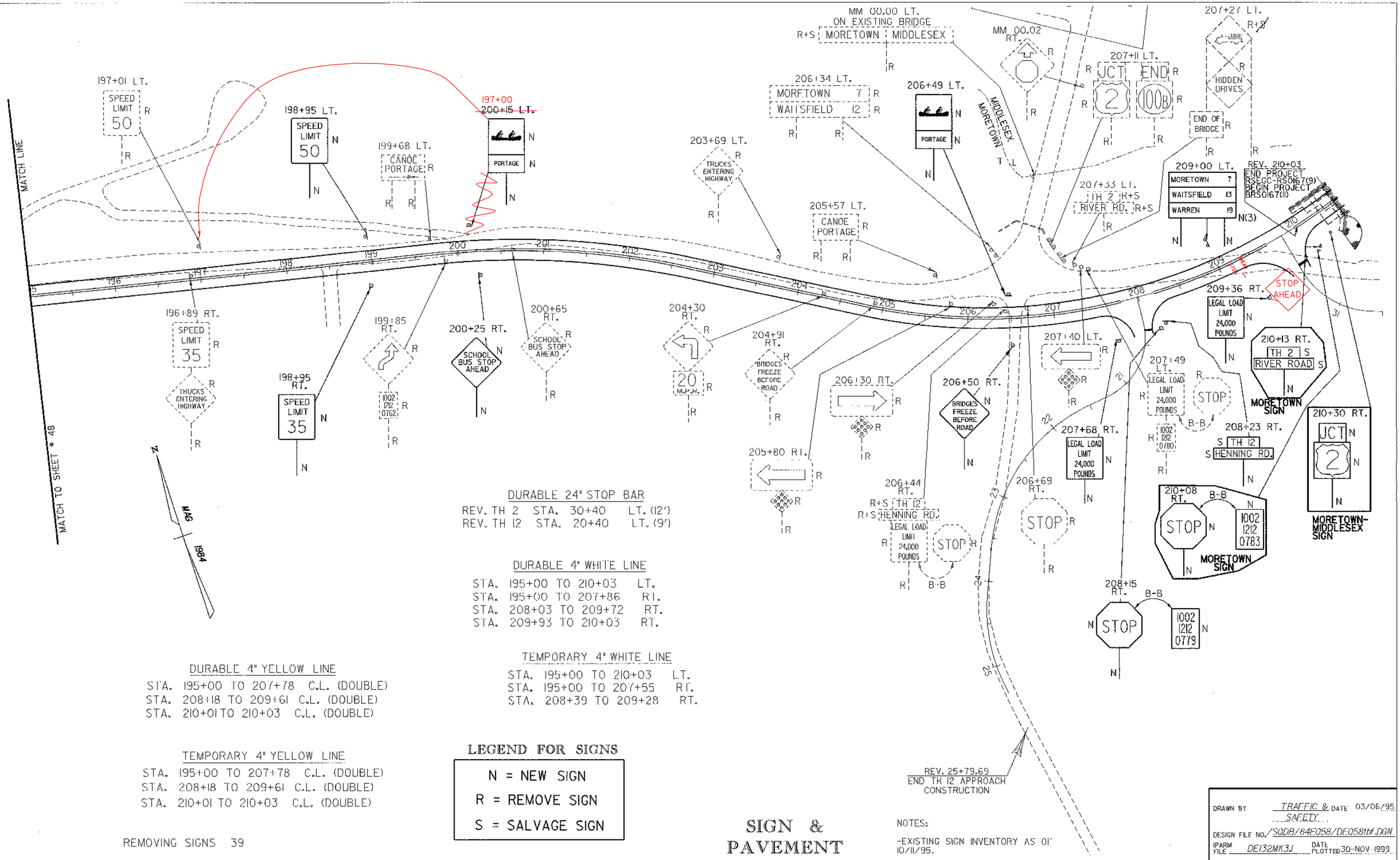
-EXISTING SIGN INVENTORY AS OF 10/11/95.

SIGN & PAVEMENT MARKING LAYOUT SHEET

NOT TO SCALE

TRAFFIC SHEET 2 OF 7 SHEETS

DRAWN BY TRAFFIC & SAFTEY DATE 03/06/95
DESIGN FILE NO. /SQDB/84E058/DE058fbr.DGN
IPARM FILE DE132MK21 DATE PLOTTED 30-NOV-1999
PROJ. NAME. MORETOWN
PROJ. NO. RSEGC RS 0167(9)
SHEET 48 OF 243 SHEETS



DURABLE 24" STOP BAR

REV. TH 2 STA. 30+40 LT. (12')
REV. TH 12 STA. 20+40 LT. (9')

DURABLE 4" WHITE LINE

STA. 195+00 TO 210+03 LT.
STA. 195+00 TO 207+86 RT.
STA. 208+03 TO 209+72 RT.
STA. 209+93 TO 210+03 RT.

TEMPORARY 4" WHITE LINE

STA. 195+00 TO 210+03 LT.
STA. 195+00 TO 207+55 RT.
STA. 208+39 TO 209+28 RT.

DURABLE 4" YELLOW LINE

STA. 195+00 TO 207+78 C.L. (DOUBLE)
STA. 208+18 TO 209+61 C.L. (DOUBLE)
STA. 210+01 TO 210+03 C.L. (DOUBLE)

TEMPORARY 4" YELLOW LINE

STA. 195+00 TO 207+78 C.L. (DOUBLE)
STA. 208+18 TO 209+61 C.L. (DOUBLE)
STA. 210+01 TO 210+03 C.L. (DOUBLE)

LEGEND FOR SIGNS

N = NEW SIGN
R = REMOVE SIGN
S = SALVAGE SIGN

REMOVING SIGNS 39

SALVAGE SIGNS 4

NOTE : DASHED SIGNS AND POSTS ARE EXISTING

SIGN & PAVEMENT MARKING LAYOUT SHEET

NOTES:

-EXISTING SIGN INVENTORY AS OF 10/11/95.

NOT TO SCALE

TRAFFIC SHEET 3 OF 7 SHEETS

DRAWN BY TRAFFIC & SAFETY DATE 03/06/95
DESIGN FILE NO. /SQDB/64E058/DE058tbf.DGN
IPARM FILE DE132MK3J DATE PLOTTED 30-NOV-1999
PROJ. NAME MORETOWN
PROJ. NO. RSECC-RS 0167(9)
SHEET 49 OF 243 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				SIGN DETAIL	
		EA	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (In) lb/ft			ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) lb/ft			FOUNDATION	TUBULAR STEEL Ø (In) lb/ft				W-SHAPE STEEL FTG. SIZE		WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.12	2.0	3.0	1.75	2.0	2.5			3.0	4.0	4.0 MOD		3.0	3.5	4.0	5.0	24"	30"					
															1.88	2.16	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6							
												OPTION ITEMS																						
166+22 RT	1002 1212 0700		6"	8"	0.33						1	X																					E-138
170+87 LT			30"	30"	6.25						1			X																			E-151
176+78 LT	1002 1212 0720		6"	8"	0.33						1	X																					E-138
181+50 RT	LEGAL LOAD LIMIT 24,000 POUNDS		24"	30"	5.00						1			X																		LOCATE SIGN ON TH 66.		E-141
181+94 RT	STOP		30"	30"	6.25						1			X																		LOCATE SIGNS ON TH 66.		E-143
	1002 1212 0729		6"	8"	0.33																													E-138
187+34 LT	1002 1212 0740		6"	8"	0.33						1	X																						E-138
187+76 LT	SCHOOL BUS STOP AHEAD		30"	30"	6.25						1			X																			E-153
190+50 RT	REDUCED SPEED AHEAD		24"	30"	5.00						1			X																			E-142
193+25 RT			30"	30"	6.25						1			X																			E-152
	BLIND PERSON		24"	18"	3.00																											52	---
198+95 LT	SPEED LIMIT 50		24"	30"	5.00						1			X																			E-142
198+95 RT	SPEED LIMIT 35		24"	30"	5.00						1			X																			E-142
200+15 LT			24"	24"	4.00						1			X																		MOUNT SIGNS PARALLEL TO ROADWAY.	53	---
	PORTAGE		24"	12"	2.00																											53	---
200+25 RT	SCHOOL BUS STOP AHEAD		30"	30"	6.25						1			X																			E-153
												FT 21	FT	FT 140	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB							
TOTALS			SF 61.57	SF	EA.	SF						FT 161			FT					LB			EA.	LB				EA.	EA.	LB				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."

PROJECT NAME: MORETOWN
PROJECT NUMBER: RSEGC-RS 0167(9)

FILE NAME: DEI32SI.I
PROJECT LEADER:
DESIGNED BY:
DESIGN/84E058/DE058SUM.DGN

PLOT DATE: 19-MAY-2000
DRAWN BY: TRAFFIC & SAFETY
CHECKED BY:

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

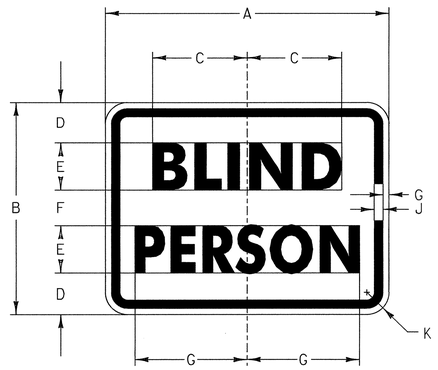
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND VT.100B	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN REFRAMED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																									
206+49 LT			24"	24"	4.00						1			X																				MOUNT SIGNS PARALLEL TO ROADWAY.	53	---
	PORTAGE		24"	12"	2.00																													53	---
206+50 RT	BRIDGES FREEZE BEFORE ROAD		36"	36"	9.00						1			X																						E-150
207+68 RT	LEGAL LOAD LIMIT 24,000 POUNDS		24"	30"	5.00						1			X																				LOCATE SIGN ON TH 12.		E-141
208+15 RT	STOP		30"	30"	6.25						1			X																				LOCATE SIGNS ON NEW TH 12.		E-143
	1002 1212 0779		6"	8"	0.33																														E-138
208+23 RT	TH 12		---		---		1				1			X																				SALVAGE SIGN FROM STA. 206+44 RT.		---
	HENNING RD.		---		---		1																											SALVAGE WOODEN SIGNS FROM OLD TH 12 AND LOCATE SIGNS ON NEW TH 12. SALVAGE SIGN FROM STA. 206+44 RT.		---
209+00 LT	MORETOWN 7		54"	7.5"	2.81						2			X																				SIGN TEXT SHALL BE 5 '' HIGH C SERIES WITH A 6% REDUCTION IN SPACING.		E-123
	WAITSFIELD 13		54"	7.5"	2.81																													SIGN TEXT SHALL BE 5 '' HIGH C SERIES WITH A 28% REDUCTION IN SPACING.		E-123
	WARREN 19		54"	7.5"	2.81																													SIGN TEXT SHALL BE 5 '' HIGH C SERIES WITH A 0% REDUCTION IN SPACING.		E-123
209+36 RT	LEGAL LOAD LIMIT 24,000 POUNDS		24"	30"	5.00						1			X																				LOCATE SIGN ON NEW TH 2.		E-141
210+08 RT	STOP		30"	30"	6.25						1			X																				LOCATE SIGNS ON NEW TH 2.		E-143
	1002 1212 0783		6"	8"	0.33																														E-138
210+13 RT	TH 2		---		---		1				1			X																				SALVAGE SIGN FROM STA. 207+33 LT. SALVAGE WOODEN SIGNS FROM OLD TH 2 AND LOCATE SIGNS ON NEW TH 2.		---
	RIVER ROAD		---		---		1																											SALVAGE SIGN FROM STA. 207+33 LT.		---
												FT	FT	FT 145	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB								
	TOTALS				SF 46.59	SF	EA. 4	SF				FT 145			FT					LB			EA.	LB				EA.	EA.	LB					
	GRAND TOTALS				108.16		4					306																							

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S 'SIGN POST DESIGN GUIDELINE.'

PROJECT NAME: MORETOWN
PROJECT NUMBER: RSEGC-RS 0167(9)

FILE NAME: DEI32S2.I
PROJECT LEADER:
DESIGNED BY:
DESIGN/84E058/DE058SUM.DGN

PLOT DATE: 19-MAY-2000
DRAWN BY: TRAFFIC & SAFETY
CHECKED BY:
SHEET 51 OF 243



AASHTO TYPE I SHEETING

SIGN	DIMENSIONS (INCHES)									
	A	B	C	D	E	F	G	H	J	K
STD.	24	18	8	3½	4C	3	9½	½	¾	1⅞

FOR SIGN SPECIFICATIONS REFER TO STANDARD E-152

COLORS

TEXT AND BORDER - BLACK (NON-REFL.)
BACKGROUND - YELLOW (REFL.)

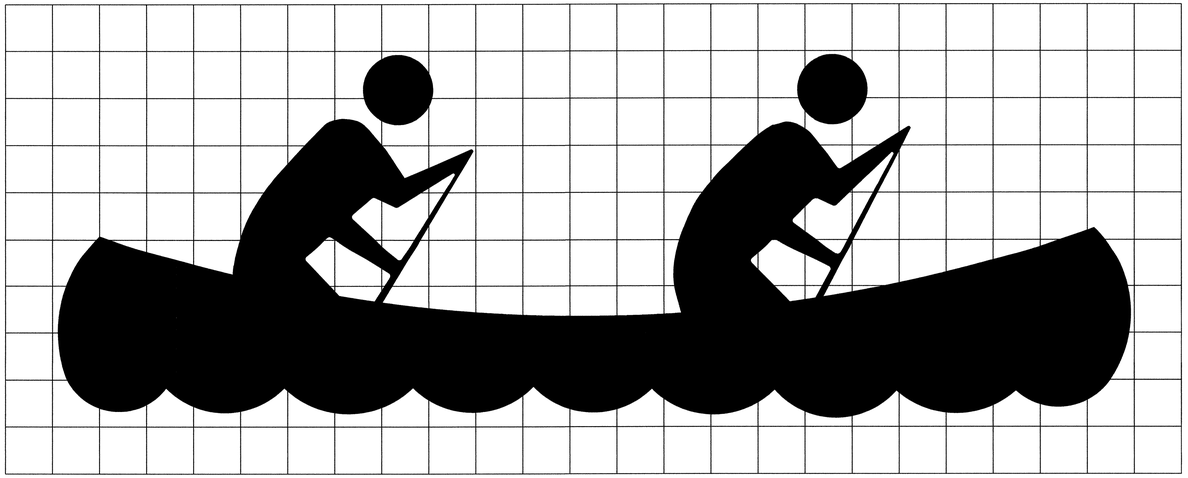
BLIND PERSON SUPPLEMENTAL SIGN

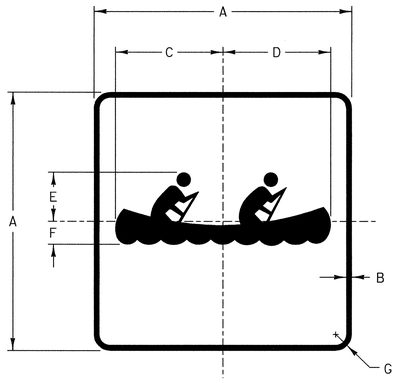
STA. 193+25 RT.

SIGN DETAIL SHEET

TRAFFIC SHEET 6 OF 7 SHEETS

DRAWN BY TRAFFIC & SAFETY DATE 03/06/95
SQUAD LEADER
DESIGN FILE NO. /SQDB/84E058/DE058DET.DGN
IPARM FILE DEI32DTI.I DATE PLOTTED 04-NOV-1999
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 52 OF 243 SHEETS





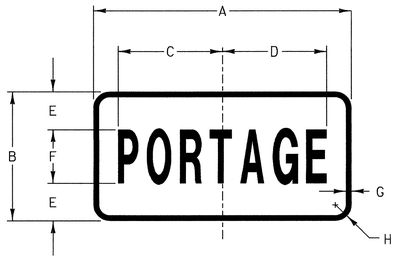
SIGN	DIMENSIONS (INCHES)						
	A	B	C	D	E	F	G
STD.	24	1/2	10 3/16	10 1/4	4 9/16	2 1/8	1 1/2

COLORS

SYMBOL AND BORDER - WHITE (REFL.)
BACKGROUND - BROWN (NON-REFL.)

CANOEING RECREATION SIGN

STA. 200+15 LT.
STA. 206+49 LT.



SIGN	DIMENSIONS (INCHES)							
	A	B	C	D	E	F	G	H
STD.	24	12	9 11/16	9 3/4	3 1/2	5B	1/2	1 1/2

COLORS

SYMBOL AND BORDER - WHITE (REFL.)
BACKGROUND - BROWN (NON-REFL.)

CANOE PORTAGE SUPPLEMENTAL PLAQUE

MATERIALS

THE SIGN BASE MATERIAL MAY NOT BE ANY OF THE FOLLOWING, WITH THE MINIMUM THICKNESS AS NOTED:

FLAT SHEET ALUMINUM	
LESS THAN 24" X 24"	0.060"
24" X 24"	0.080"
GALVANIZED FLAT SHEET STEEL	
LESS THAN 24" X 24"	18 GAGE
24" X 24"	16 GAGE

THE REFLECTORIZED MATERIAL SHALL BE BROWN REFLECTIVE SHEETING APPLIED TO THE ENTIRE BACKGROUND. THE TEXTS MAY BE LETTERING FILM, SILK SCREEN OR HAND PAINTED.

COLORS

NATIONAL FOREST ROUTE MARKERS SHALL HAVE REFLECTIVE WHITE TEXT AND BORDERS ON REFLECTORIZED BROWN BACKGROUNDS. BROWN AREAS ARE INDICATED BY DOUBLE LINE CROSSHATCHING.

THE COLORS SHALL CONFORM WITH THOSE FOUND IN STANDARD COLOR TOLERANCE CHARTS AS APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, AND FEDERAL HIGHWAY ADMINISTRATION.

LETTERING

LETTERS AND DIGITS SHALL CONFORM WITH THE "STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" ADOPTED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND FHWA.

SPECIFICATIONS

RECREATION SIGNS AND RECREATION AUXILIARY SIGNS SHALL MEET THE STANDARD STATE SPECIFICATIONS FOR TRAFFIC SIGNS.

DESIGNS

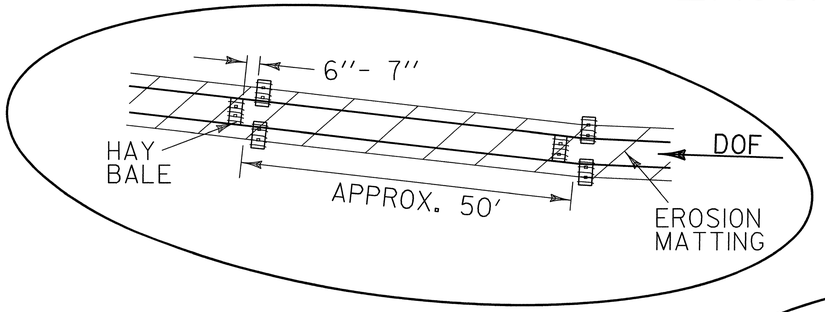
THE DESIGNS OF RECREATION SIGNS AND RECREATION AUXILIARY SIGNS SHALL CONFORM WITH THE REQUIREMENTS SET FORTH IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" ADOPTED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND FHWA.

SIGN DETAIL SHEET

DRAWN BY TRAFFIC & SAFETY DATE 03/06/95
SQUAD LEADER
DESIGN FILE NO. /SQDB/84E058/DE058DET.DGN
IPARM FILE DEI32DT2.I DATE PLOTTED 04-NOV-1999
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 53 OF 243 SHEETS

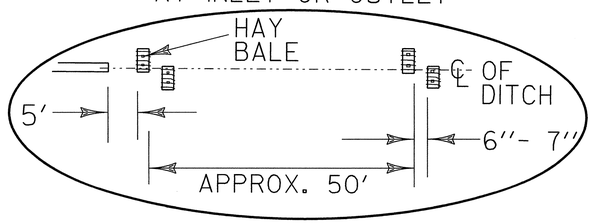
EROSION CONTROL PLANS TYPICAL SHEET

1.

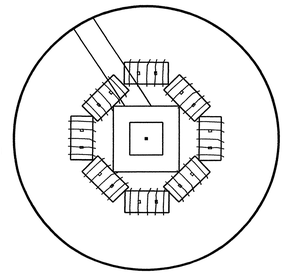


AT INLET OR OUTLET

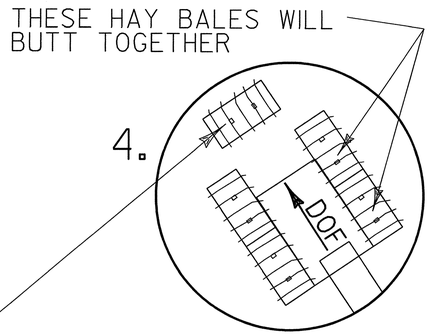
2.



3.



4.



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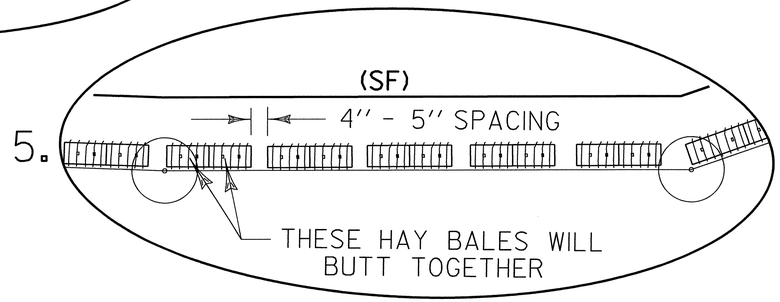

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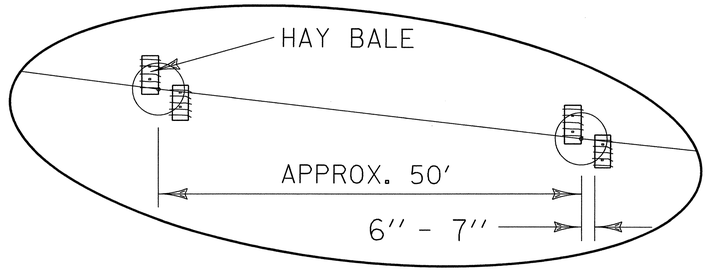

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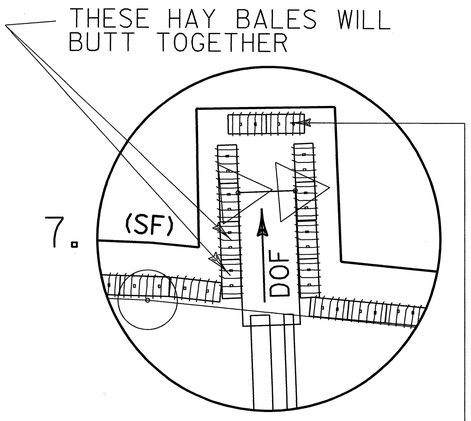

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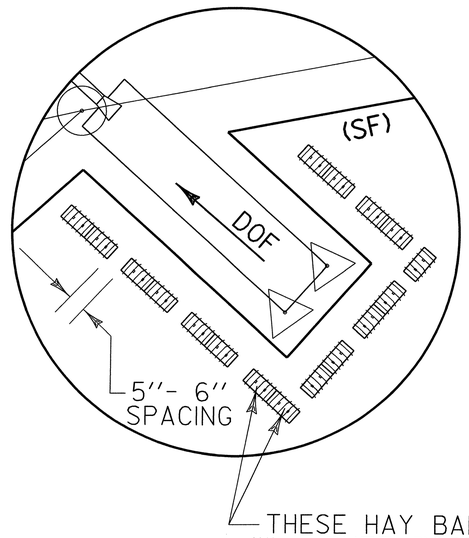
9.



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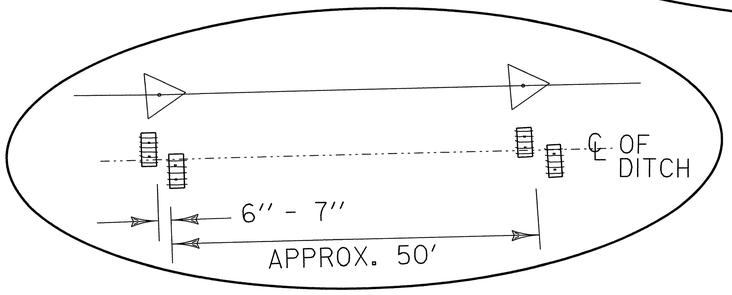


GENERAL NOTES

1. EROSION CONTROL MATERIALS WILL BE PLACED AS ILLUSTRATED ON NEWLY CONSTRUCTED AREAS AS SOON AS POSSIBLE.
2. DURING CONSTRUCTION EVERY EFFORT WILL BE MADE TO KEEP DEBRIS AND SEDIMENT OUT OF THE DITCH. HAY BALES WILL BE USED AS ILLUSTRATED TO INSURE BANK STABILITY.
3. THE HAY BALES SHALL BE INSPECTED AND CLEANED AS NEEDED.

DOF / DOF — DIRECTION OF FLOW

(SF) DENOTES GEOTEXTILE FOR SILT FENCE

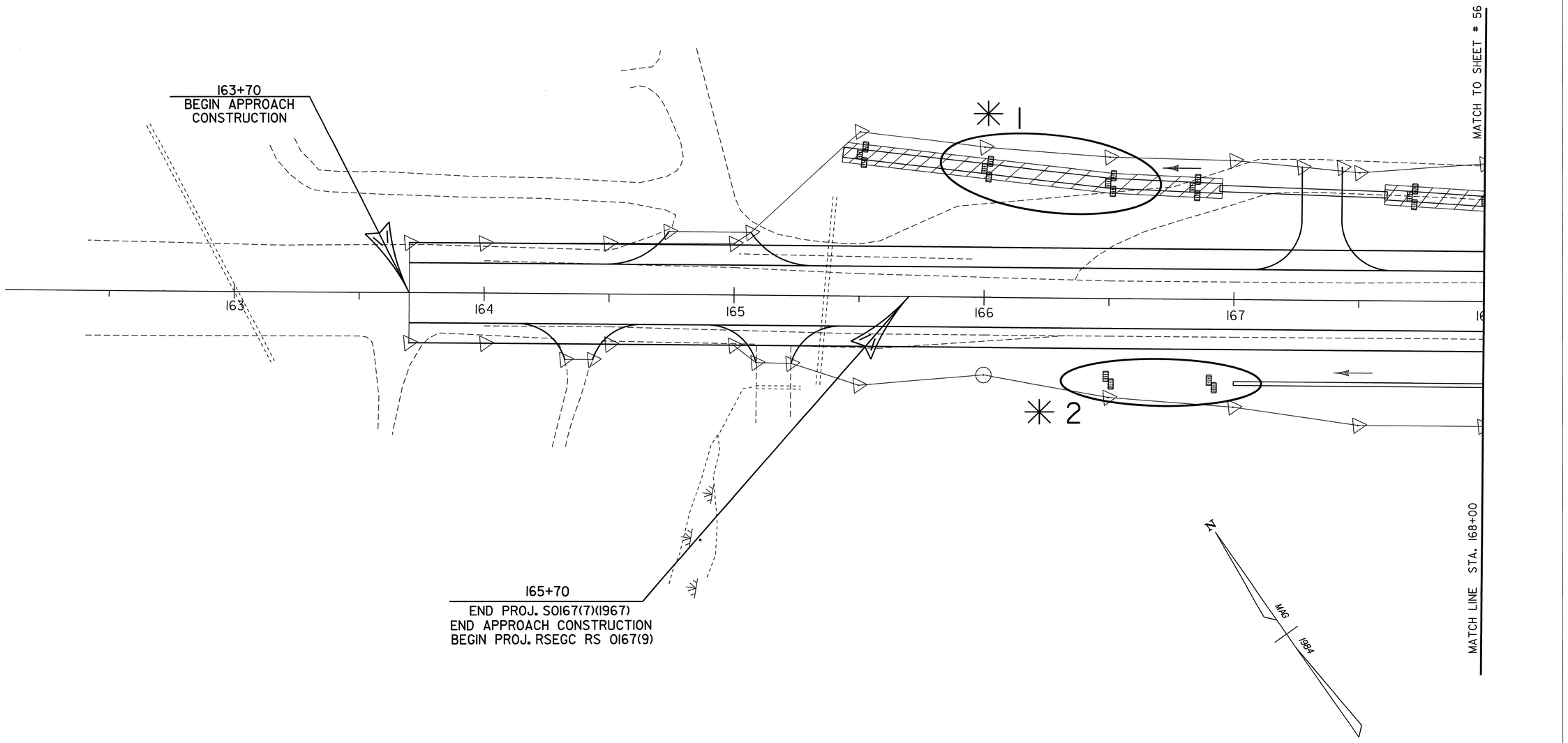
THIS SHEET IS FOR EROSION CONTROL USE ONLY

NOT TO SCALE

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058ERO.DGN
IPARM FILE DE058ETY DATE PLOTTED 05-NOV-1999
PROJ. NAME MORETOWN & MORETOWN - MIDDLESEX
PROJ. NO. RSEGC-RS 0167(9) BRS 0167(11)
SHEET 54 OF 243 SHEETS

EROSION CONTROL PLANS



✳ SEE EROSION CONTROL PLANS TYPICAL SHEET

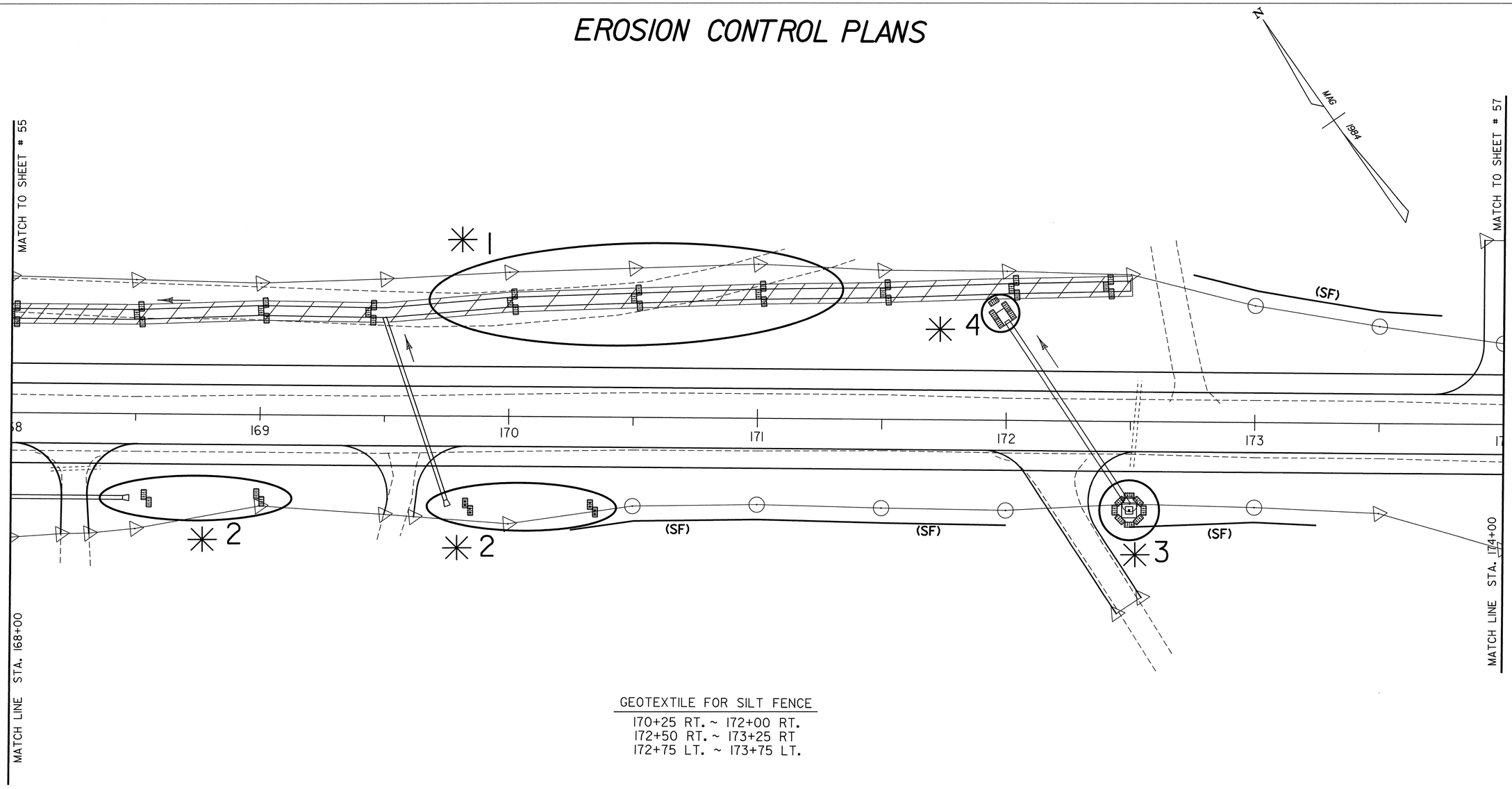
0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

THIS SHEET IS FOR EROSION CONTROL USE ONLY

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058ER0.DGN
IPARM FILE DE132ERI DATE PLOTTED 05-NOV-1999
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 55 OF 243 SHEETS

EROSION CONTROL PLANS



GEOTEXTILE FOR SILT FENCE

170+25 RT. ~ 172+00 RT.
172+50 RT. ~ 173+25 RT
172+75 LT. ~ 173+75 LT.

✳ *SEE EROSION CONTROL PLANS TYPICAL SHEET*

(SF) DENOTES GEOTEXTILE FOR SILT FENCE

THIS SHEET IS FOR EROSION CONTROL USE ONLY

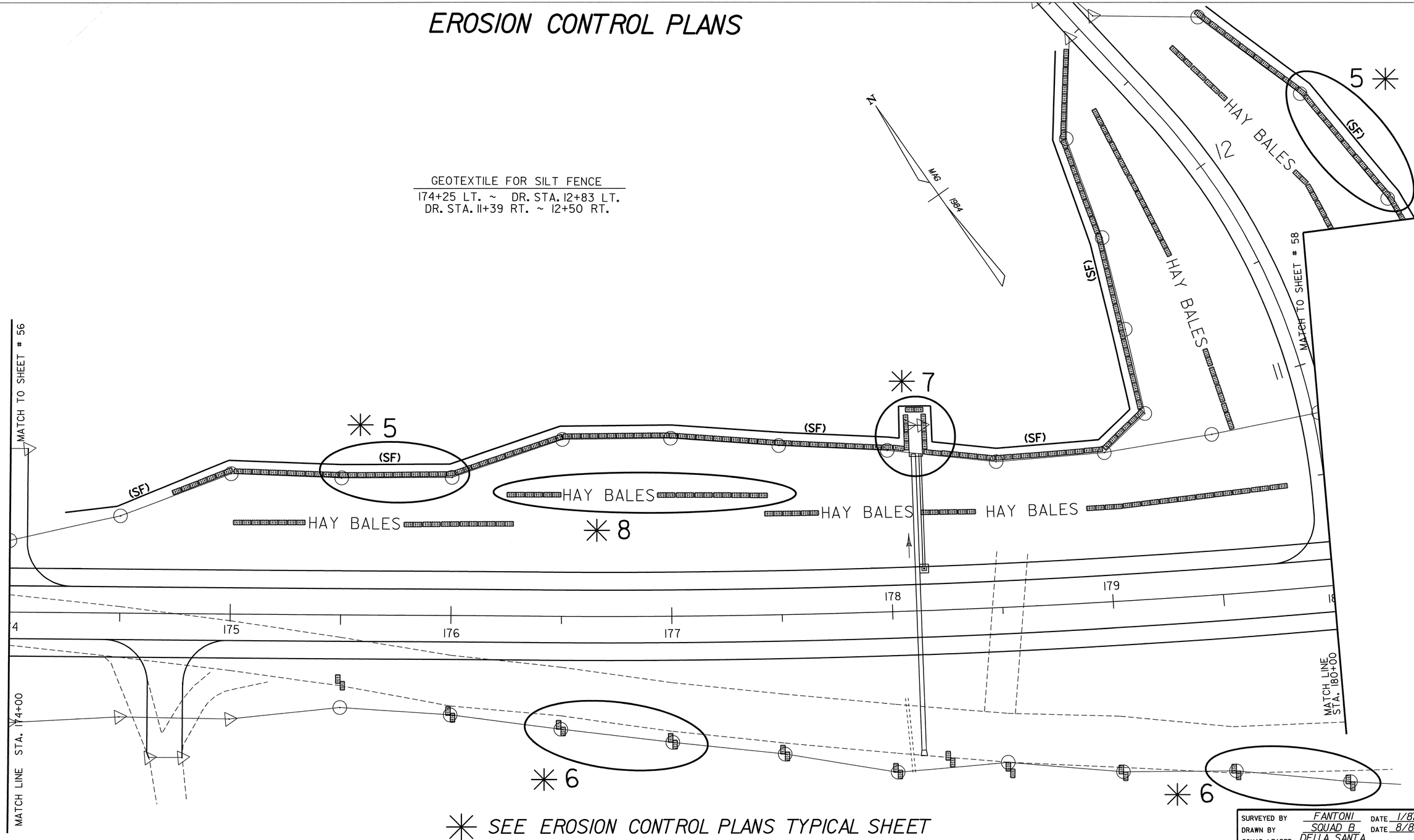
0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058ER0.DGN
IPARM FILE DE132ER2 DATE PLOTTED 05-NOV-1999
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 56 OF 243 SHEETS

EROSION CONTROL PLANS

GEOTEXTILE FOR SILT FENCE
174+25 LT. ~ DR. STA. 12+83 LT.
DR. STA. 11+39 RT. ~ 12+50 RT.



✳ SEE EROSION CONTROL PLANS TYPICAL SHEET

(SF) DENOTES GEOTEXTILE FOR SILT FENCE

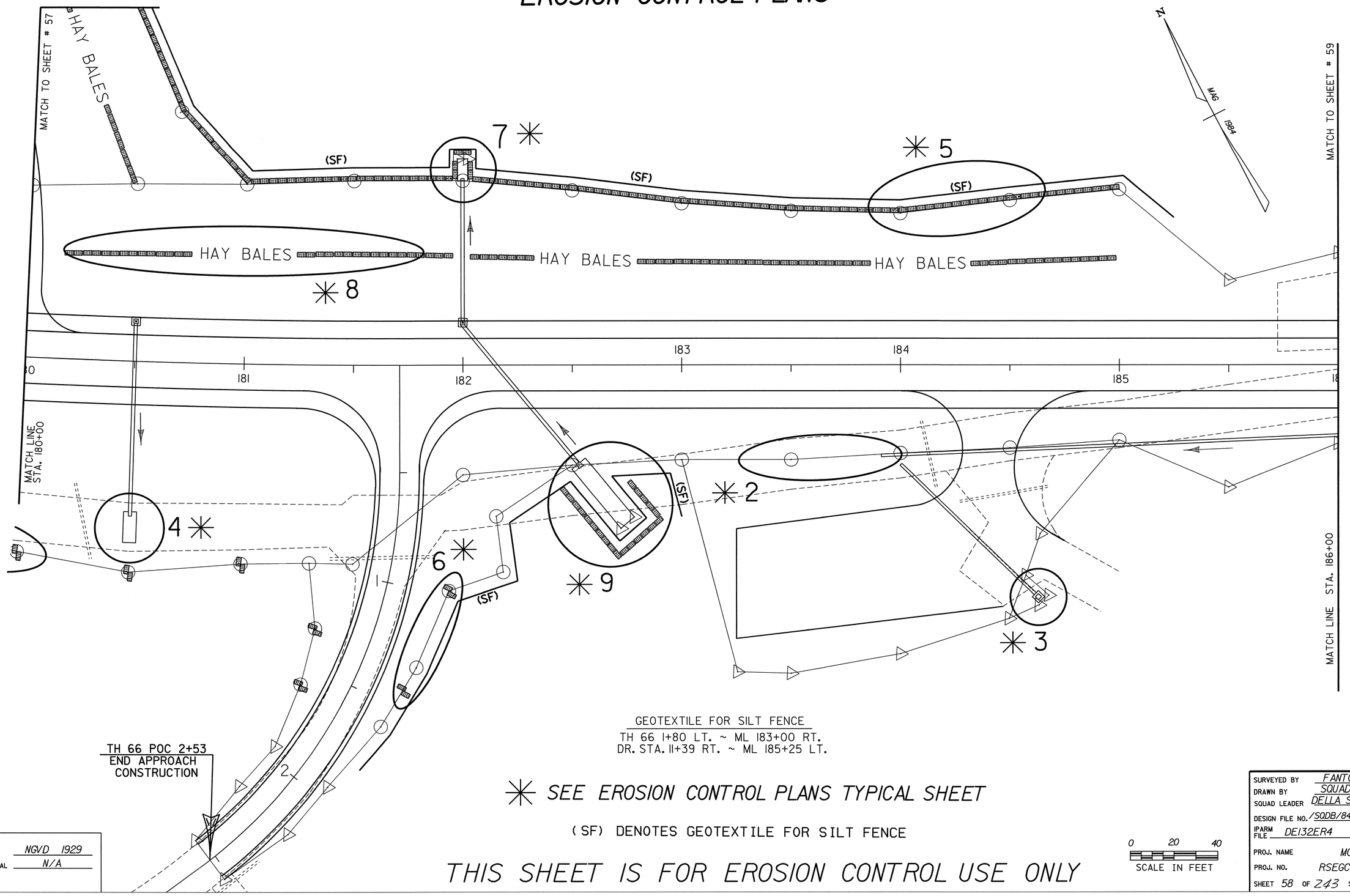
THIS SHEET IS FOR EROSION CONTROL USE ONLY

0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058ER0.DGN
IPARM FILE DE132ER3 DATE PLOTTED 05-NOV-1999
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 57 OF 243 SHEETS

EROSION CONTROL PLANS



GEOTEXTILE FOR SILT FENCE
TH 66 1+80 LT. ~ ML 183+00 RT.
DR. STA. 11+39 RT. ~ ML 185+25 LT.

✳ *SEE EROSION CONTROL PLANS TYPICAL SHEET*

(SF) DENOTES GEOTEXTILE FOR SILT FENCE

THIS SHEET IS FOR EROSION CONTROL USE ONLY

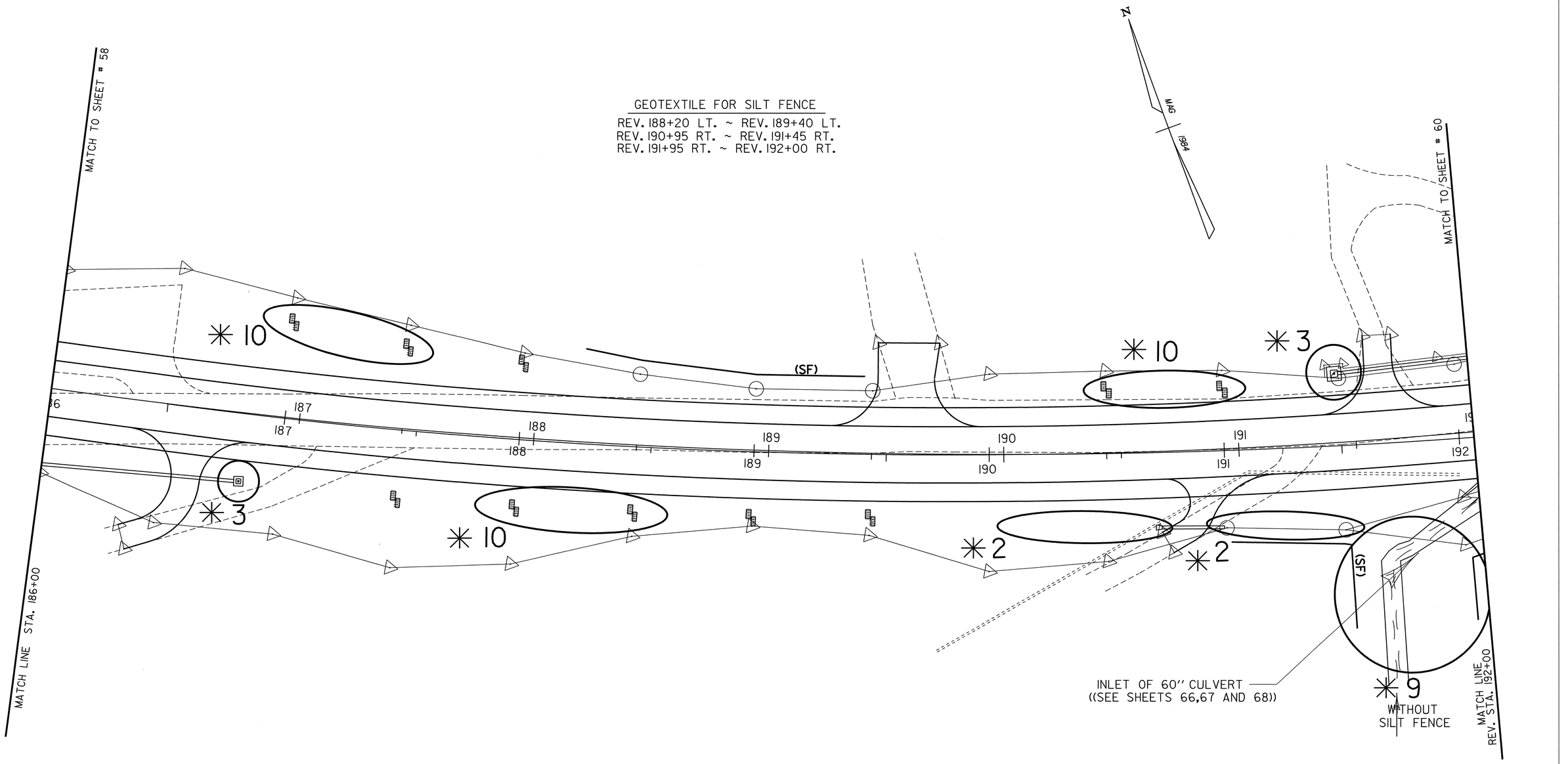
0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058ER0.DGN
IPARM FILE DE132ER4 DATE PLOTTED 05-NOV-1999
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 58 OF 243 SHEETS

EROSION CONTROL PLANS

GEOTEXTILE FOR SILT FENCE
REV. 188+20 LT. ~ REV. 189+40 LT.
REV. 190+95 RT. ~ REV. 191+45 RT.
REV. 191+95 RT. ~ REV. 192+00 RT.



✳ SEE EROSION CONTROL PLANS TYPICAL SHEET

(SF) DENOTES GEOTEXTILE FOR SILT FENCE

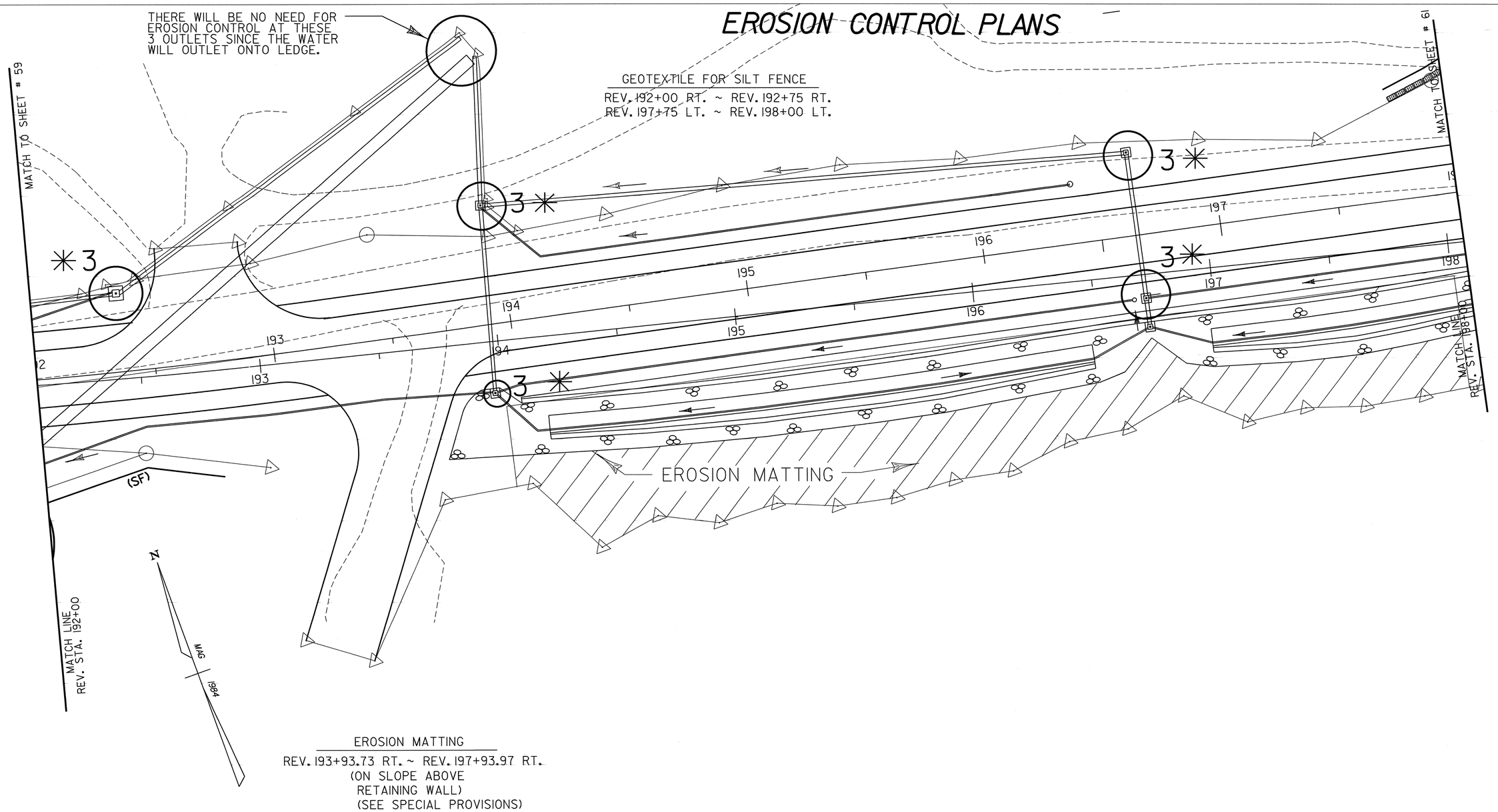
THIS SHEET IS FOR EROSION CONTROL USE ONLY

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

0 20 40
SCALE IN FEET

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058ERO.DGN
IPARM FILE DE132ER5 DATE PLOTTED 05-NOV-1999
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 59 OF 243 SHEETS

EROSION CONTROL PLANS



✳ SEE EROSION CONTROL PLANS TYPICAL SHEET

(SF) DENOTES GEOTEXTILE FOR SILT FENCE

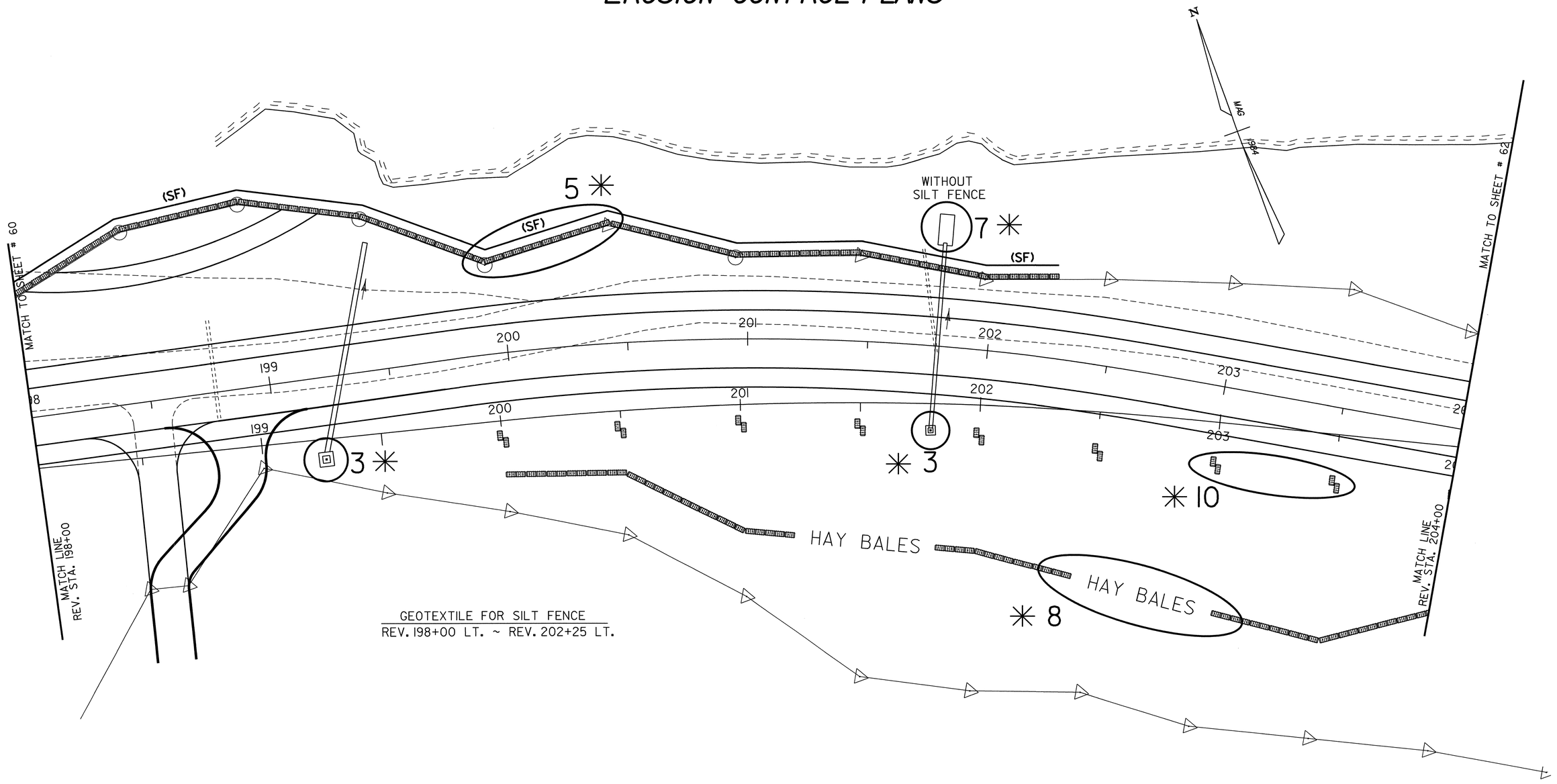
THIS SHEET IS FOR EROSION CONTROL USE ONLY

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

0 20 40
SCALE IN FEET

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058ERO.DGN
IPARM FILE DE132ER6 DATE PLOTTED 25-APR-2000
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 60 OF 243 SHEETS

EROSION CONTROL PLANS



GEOTEXTILE FOR SILT FENCE
REV. 198+00 LT. ~ REV. 202+25 LT.

✳ SEE EROSION CONTROL PLANS TYPICAL SHEET

(SF) DENOTES GEOTEXTILE FOR SILT FENCE

THIS SHEET IS FOR EROSION CONTROL USE ONLY

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

0 20 40
SCALE IN FEET

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058ER0.DGN
IPARM FILE DE132ER7 DATE PLOTTED 05-NOV-1999
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 61 OF 243 SHEETS

EROSION CONTROL PLANS

N

MAG 1984

GEOTEXTILE FOR SILT FENCE
REV. 205+25 LT. ~ REV. 210+03 LT.

SEE SHEET NUMBER 182 FOR QUANTITIES OF THIS ITEM WHICH ARE PAID FOR UNDER THE MORETOWN- MIDDLESEX PROJECT.

REV. 210+03
END PROJECT
RSEGC RS0167(9)
BEGIN PROJECT
BRS 0167(11)

MATCH LINE
MATCH TO SHEET
REV. STA. 210+50

MATCH TO SHEET # 61

✳ SEE EROSION CONTROL PLANS TYPICAL SHEET

(SF) DENOTES GEOTEXTILE FOR SILT FENCE

THIS SHEET IS FOR EROSION CONTROL USE ONLY

✳7 (SF)
✳5 (SF)
✳7 (SF)
✳5 (SF)
(SF)
✳4
✳4
✳3

210
209
208
207
206
205

REV. MATCH LINE STA. 204+00

HAY BALES

✳9

WITHOUT SILT FENCE

MATCH LINE
REV. STA. 211+80

MATCH TO SHEET # 63

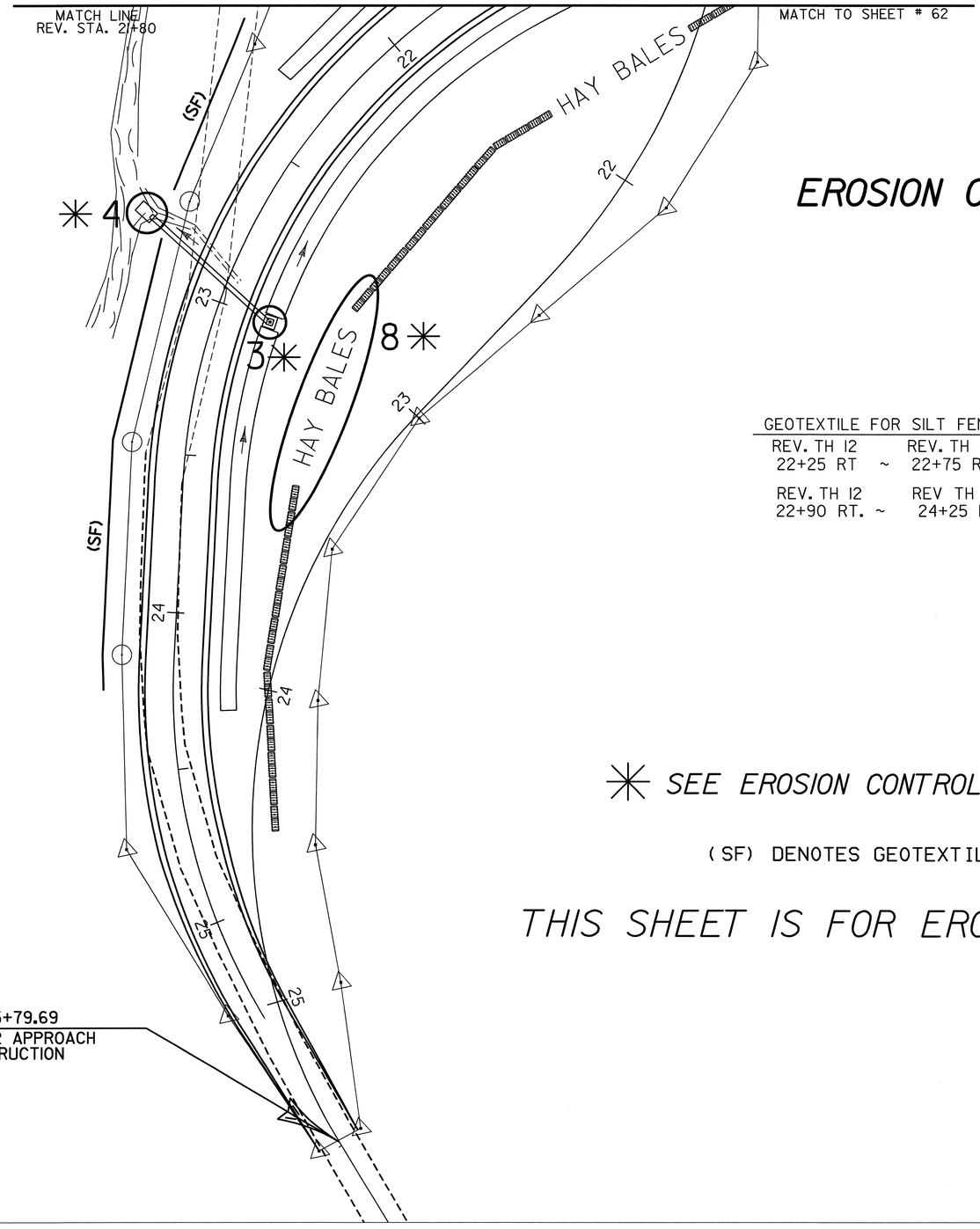
MATCH TO SHEET # 64

REV. MATCH LINE STA. 3+00

0 20 40
SCALE IN FEET

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

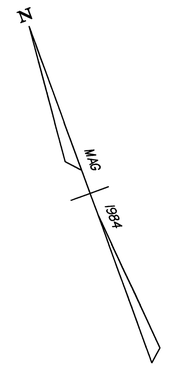
SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058ERODGN
IPARM FILE DE132ER8 DATE PLOTTED 05-NOV-1999
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 62 OF 243 SHEETS



EROSION CONTROL PLANS

GEOTEXTILE FOR SILT FENCE

REV. TH 12 22+25 RT	~	REV. TH 12 22+75 RT.
REV. TH 12 22+90 RT.	~	REV TH 12 24+25 RT.



✳ SEE EROSION CONTROL PLANS TYPICAL SHEET

(SF) DENOTES GEOTEXTILE FOR SILT FENCE

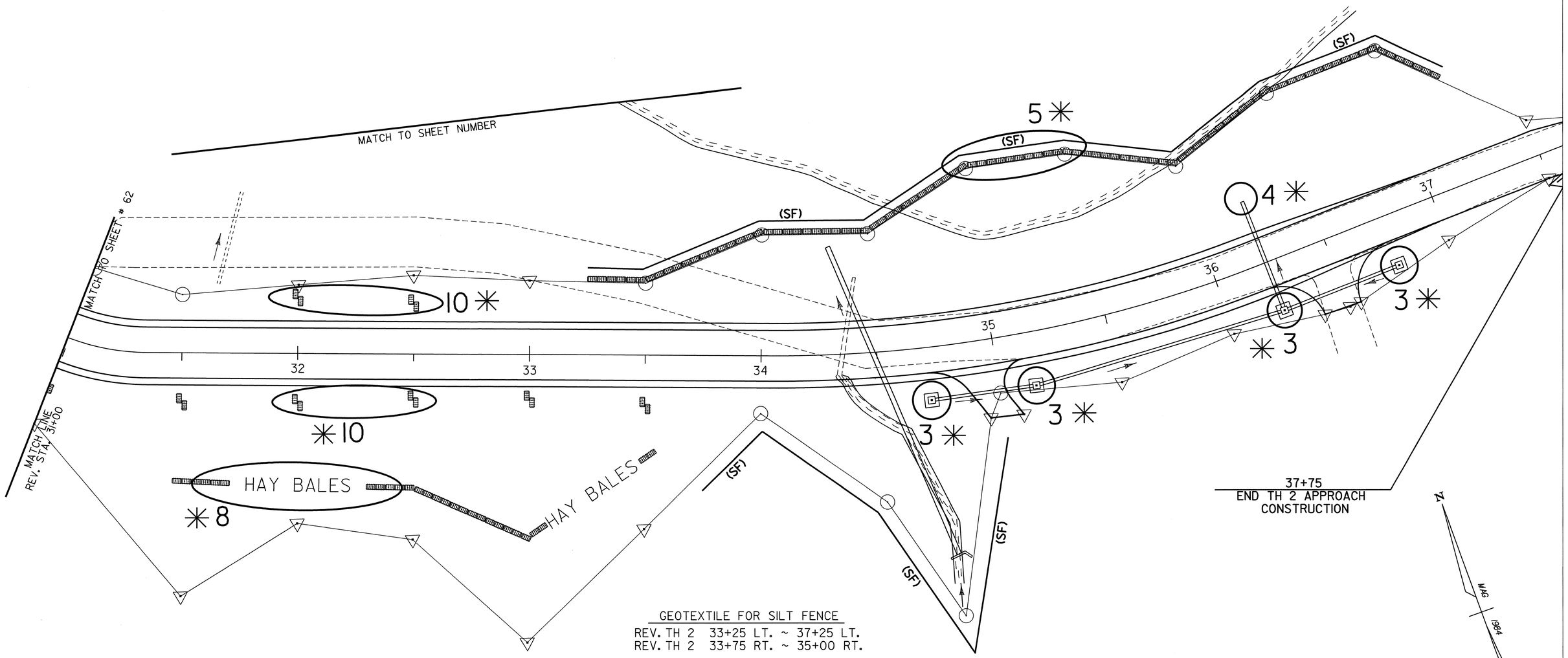
THIS SHEET IS FOR EROSION CONTROL USE ONLY

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

0 20 40
SCALE IN FEET

SURVEYED BY FANTONI DATE 1/87
DRAWN BY SQUAD B DATE 8/87
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058ER0.DGN
IPARM FILE DE132ER9 DATE PLOTTED 05-NOV-1999
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 63 OF 243 SHEETS

EROSION CONTROL PLANS



GEOTEXTILE FOR SILT FENCE
REV. TH 2 33+25 LT. ~ 37+25 LT.
REV. TH 2 33+75 RT. ~ 35+00 RT.

✳ SEE EROSION CONTROL PLANS TYPICAL SHEET

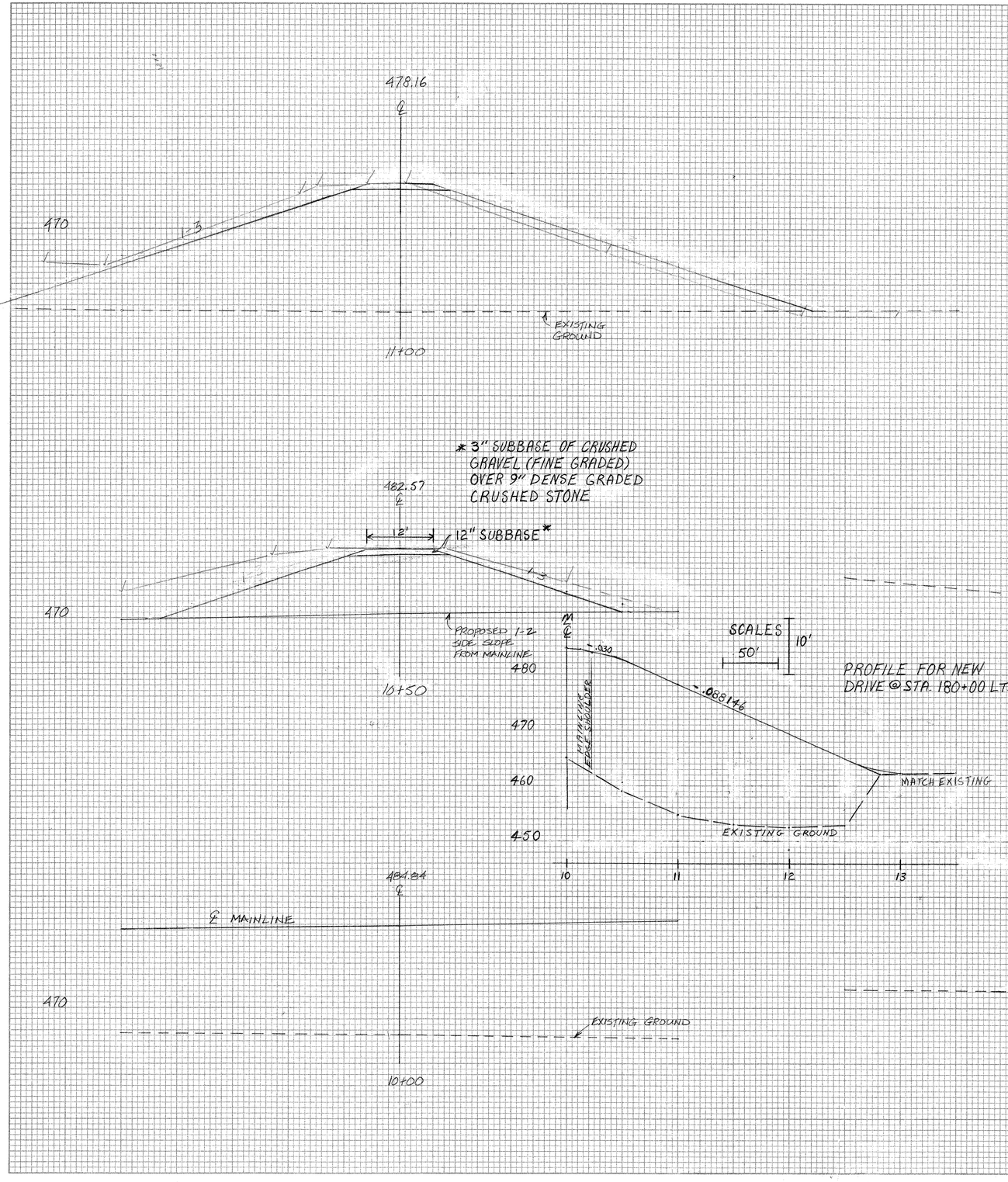
(SF) DENOTES GEOTEXTILE FOR SILT FENCE

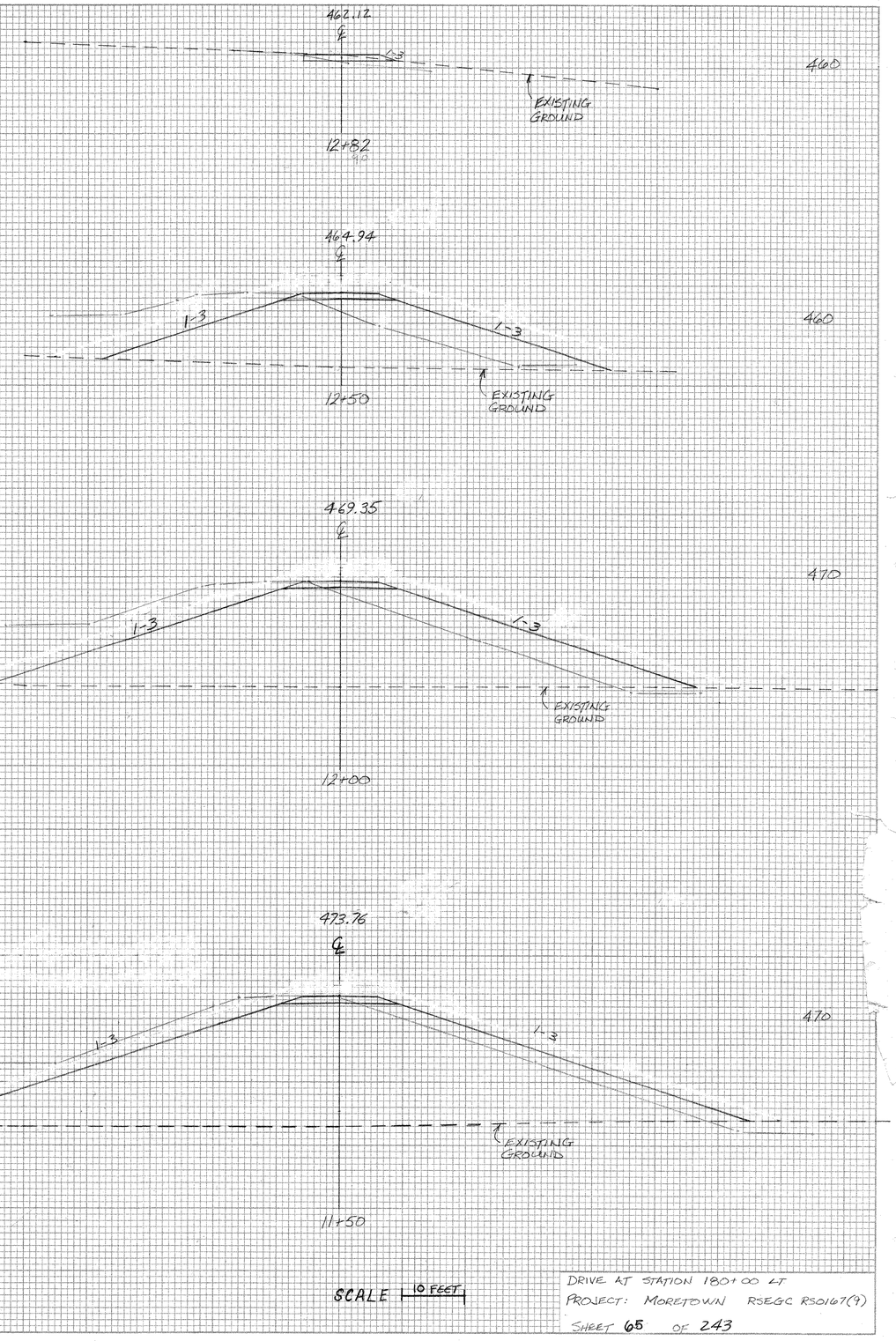
THIS SHEET IS FOR EROSION CONTROL USE ONLY

DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A

0 20 40
SCALE IN FEET

SURVEYED BY	FANTONI DATE 1/87
DRAWN BY	SQUAD B DATE 8/87
SQUAD LEADER	DELLA SANTA
DESIGN FILE NO.	/SQDB/84E058/DE058ER0.DGN
IPARM FILE	DE132E10 DATE PLOTTED 05-NOV-1999
PROJ. NAME	MORETOWN
PROJ. NO.	RSEGC-RS 0167(9)
SHEET	64 OF 243 SHEETS

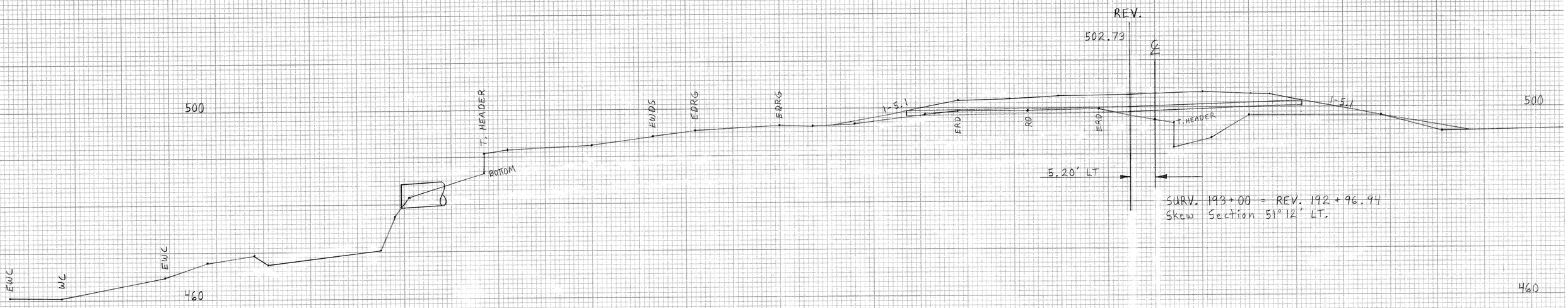




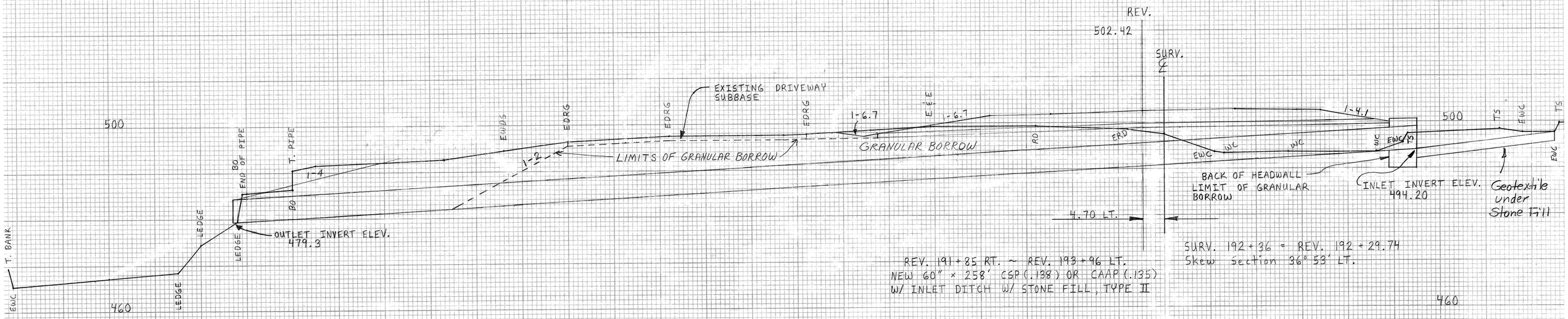
SCALE 10 FEET

DRIVE AT STATION 180+00 LT
PROJECT: MORETOWN RSEGC RS0167(9)
SHEET 65 OF 243

DATE	BY	REVISIONS	MADE BY	DATE CHECKED



SURV. 193+00 = REV. 192+96.94
Skew Section 51°12' LT.



REV. 191+85 RT. ~ REV. 193+96 LT.
NEW 60" × 258' CSP(.138) OR CAAP(.135)
W/ INLET DITCH W/ STONE FILL, TYPE II

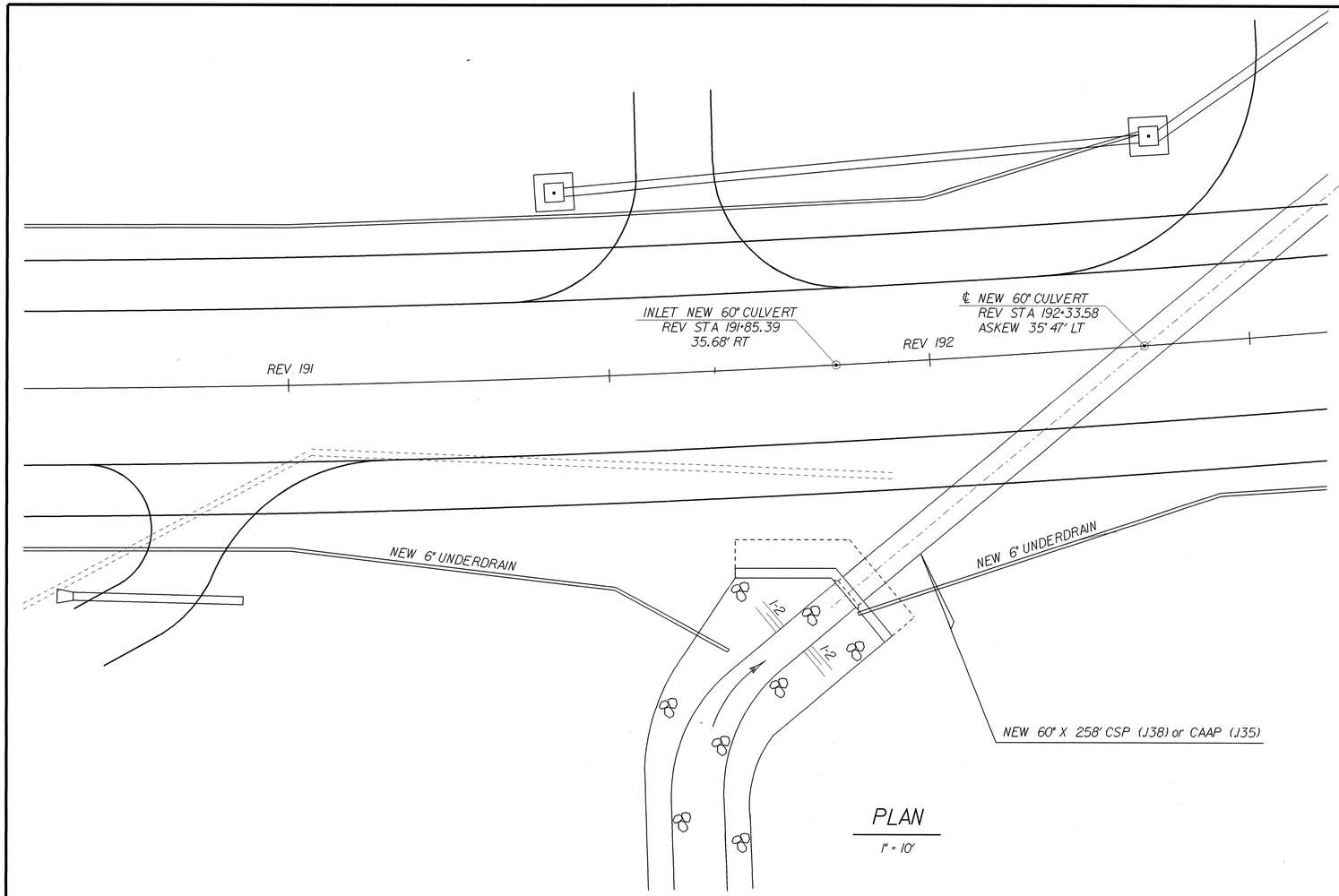
SURV. 192+36 = REV. 192+29.74
Skew Section 36°53' LT.

10'
SCALE

PROJECT NAME :
MORETOWN - MIDDLESEX
RSEGC - RS 0167(9)

SHEET 66 OF 243

PRINTED IN U.S.A.
"PERFECT" CROSS SECTION
10 X 10 = ONE INCH
EUGENE DIETZGEN CO.
PRINTED IN U.S.A.
"PERFECT" CROSS SECTION
10 X 10 = ONE INCH
EUGENE DIETZGEN CO.

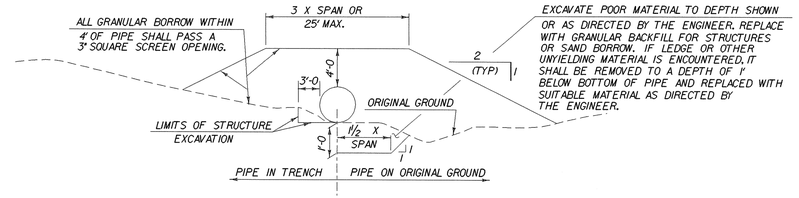


PLAN

1" = 10'

~ NOTES ~

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1990, AND THE LATEST A.A.S.H.T.O. STANDARD SPECIFICATIONS FOR HIGWAY BRIDGES. DESIGN IS FOR HS-25 LIVE LOAD.
2. WHEN NORMAL CONSTRUCTION OR REGULAR TRAFFIC IS MAINTAINED OVER THE PIPE THE CONTRACTOR SHALL MAINTAIN A MINIMUM COVER OF THREE (3) FEET OF COMPACTED MATERIAL.
3. ALUMINUM PIPE WHICH IS TO BE IN CONTACT WITH CONCRETE SHALL HAVE CONTACT SURFACES THOROUGHLY COATED WITH ZINC CHROMATE OR BITUMINOUS OR ASPHALTIC PAINT.



EXCAVATION AND BACKFILL DETAILS

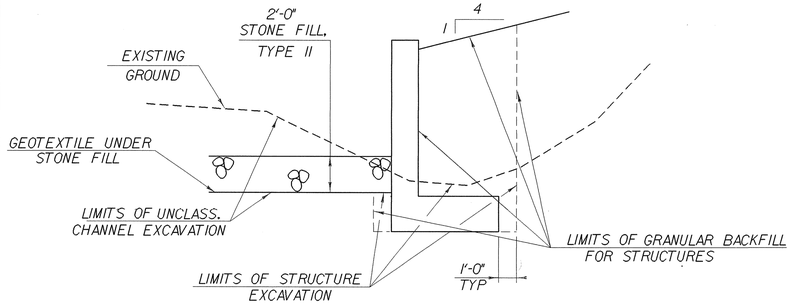
REINFORCING STEEL SCHEDULE

NO. PCS.	SIZE	LENGTH	MARK	TYPE	A	B	C	D
			HEADWALL					
9	5	15-6	HW501	STR				
✳32	↓	5-6	HW502	↓				
14		3-11	HW503					
28		8-5	HW505					
18		13-4	HW506	STR				
14	↓	4-11	HW504	17		1-0	3-11	
8	5	4-0	HW507	17	1-6	1-0	1-6	
			WINGWALL					
9	5	17-5	W501	STR				
✳36	↓	5-6	W502	↓				
15		3-11	W503					
31		8-5	W505					
18		15-4	W506	STR				
16	↓	4-11	W504	17		1-0	3-11	
8	5	4-0	W507	17	1-6	1-0	1-6	

17 B C D

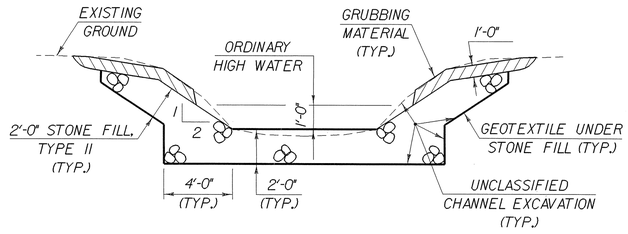
NOTES FOR REINF. STEEL

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31 (ASTM A 615-SI). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
2. FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS, AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE".
3. ALL DIMENSIONS ARE OUT TO OUT.
4. ▲ DENOTES BARS TO BE CUT IN FIELD.
5. ✳ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.



EARTHWORK TYPICAL

(NOT TO SCALE)



TYPICAL CHANNEL SECTION

(NOT TO SCALE)

INLET HEADWALL ESTIMATED QUANTITIES

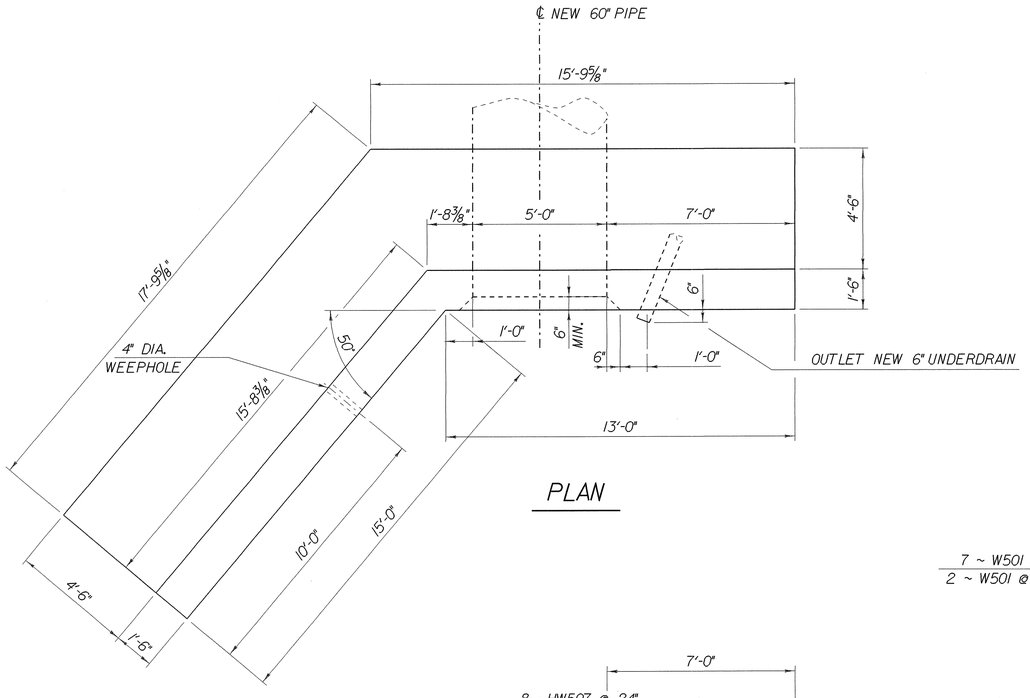
NO.	ITEM	UNIT	TOTAL	FINAL
204.25	STRUCTURE EXCAVATION	CY	30	
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY	70	
501.25	CONCRETE, CLASS "B"	CY	26	
507.15	REINFORCING STEEL	Lb	2100	

THESE QUANTITIES ARE INCLUDED IN THE ROADWAY QUANTITIES SHOWN ON SHEET NO. 13

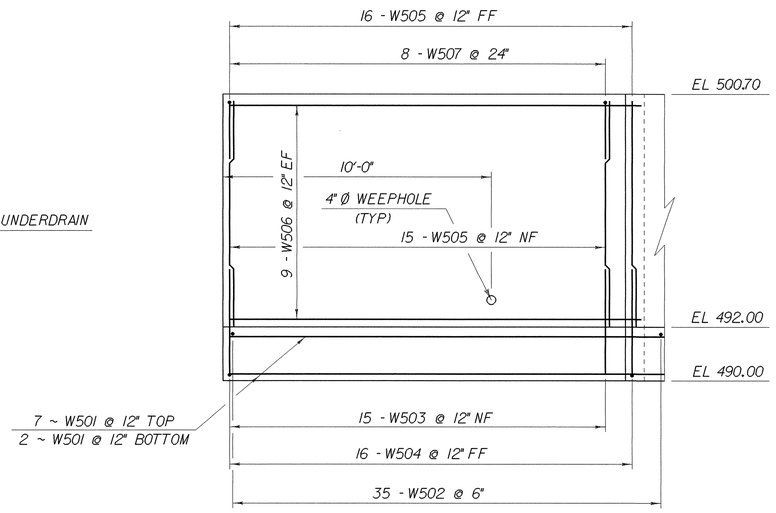
STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of MORETOWN	Bridge No.
Highway No. VT RTE 100	Log Sta. / Surv. Sta.
NEW 60" X 258' CULVERT UNDER VT 100	
INLET CHANNEL & HEADWALL QUANTITIES	
Designed By R. WHITCOMB	Drawn By R. WHITCOMB
Checked By G. ROY Date 3/95	Bridge Design Supervisor J. H. WEAVER Date 3/95
PROJECT MORETOWN	PROJECT NO. RS EGC-RS 0167 (9)
I.G.C. Info. /str3/78el32/sel32.dgn	sel32ch1
Bridge Sheet No.	Sheet 67 of 243

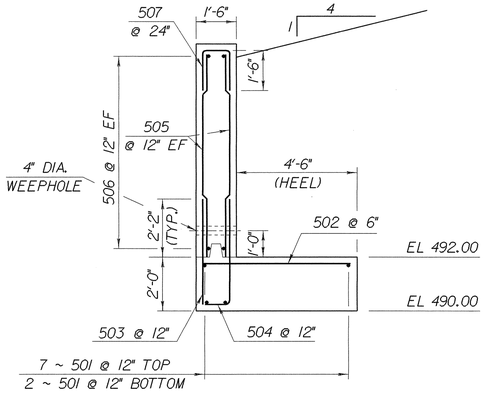
PLOTTED 9-MAR-1995 14:12



PLAN



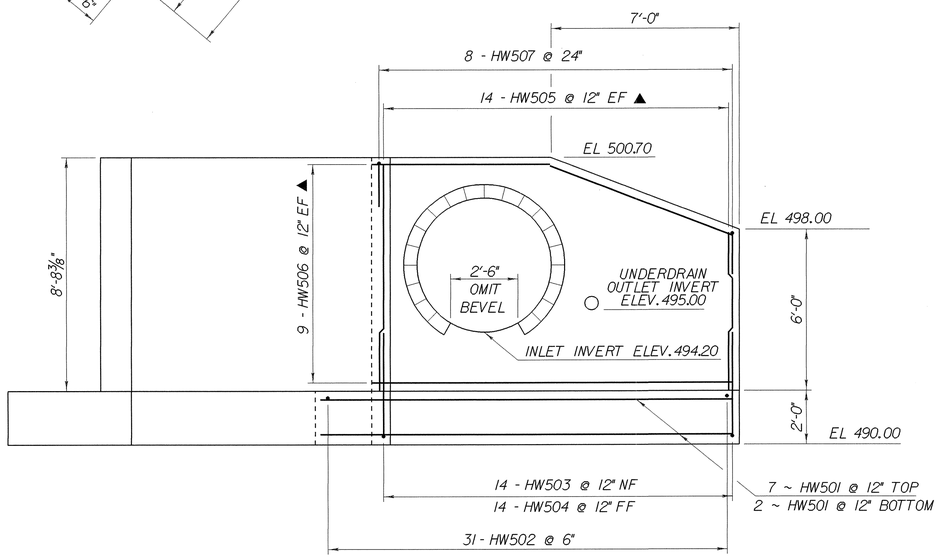
WINGWALL ELEVATION



HEADWALL & WINGWALL TYPICAL

SCALE: ⅜" = 1'-0"

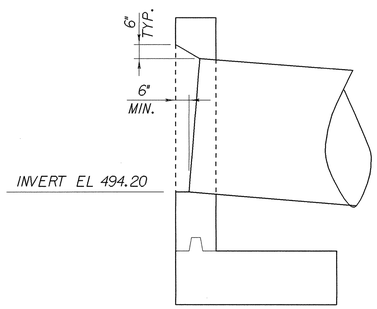
PREFIX FOR HEADWALL = HW
PREFIX FOR WINGWALL = W



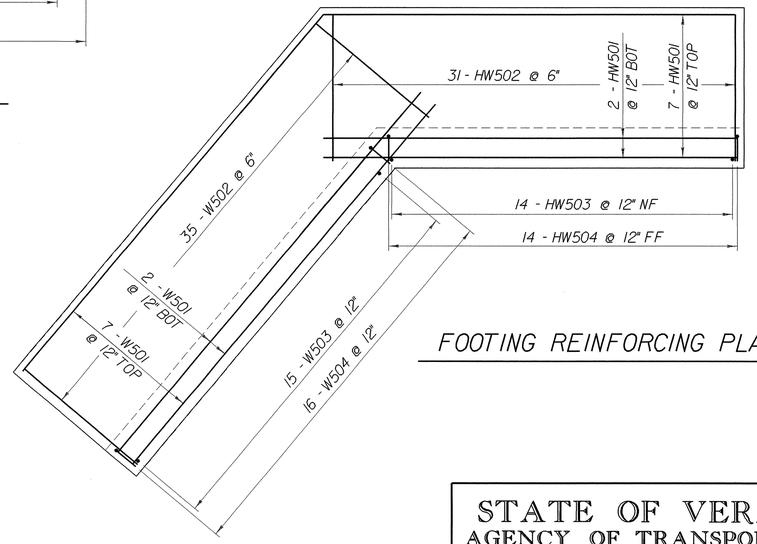
ELEVATION

INLET HEADWALL DETAILS

SCALE: ⅜" = 1'-0"



BEVELED INLET DETAILS



FOOTING REINFORCING PLAN

NOTE:

NF = NEAR FACE
FF = FAR FACE
EF = EACH FACE
▲ = CUT TO FIT IN FIELD
3" CLR. UNLESS OTHERWISE SPECIFIED ON THE PLANS.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of MORETOWN	Bridge No.
Highway No. VT RTE 100	Log Sta. / Surv. Sta.
NEW 60" X 258' CULVERT UNDER VT 100	
INLET HEADWALL DETAILS	
Designed By R. WHITCOMB	Drawn By R. WHITCOMB
Checked By G. ROY — Date 3/95	Bridge Design Supervisor J. H. WEAVER — Date 3/95
PROJECT MORETOWN	PROJECT NO. RS EGC-RS 0167(9)
I.G.C. Info. /str3/78el32/sel32.dgn	sel32hw.i
Bridge Sheet No.	Sheet 68 of 243

PLOTTED 9-MAR-1995 14:13

REV. PT

N

1984

MAG

193 194 195 196 197 198 199

18 RSD

5 RSD

8 RSD

15 GLS

5 RSD

20 RSD

18 RSD

46 AV

24 HS

24 HS

20 RSD

111 SB

12 SB

10 SB

41 SS

40 RSD

33 GSD

46 AV

30 WS

77 SS

74 HS

24 RELOCATED
TO PULLOFF @ 206+50LT

NNL LIMITS

√ = PLANTED
STW 5-28-02

LEGEND

NEW TREE

NEW SHRUB PLANTING AREA

NEW SHRUB

NEW BITTERSWEET VINE

NEW WOODBINE/VIRGINIA CREEPER VINE

NEW VALIENT GRAPE VINE OR SUMMER GRAPE VINE

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

0 20 40
SCALE IN FEET

LANDSCAPE PLAN

SURVEYED BY _____ DATE _____
DRAWN BY K.RYAN DATE 2/00
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058.DGN
IPARM FILE DE13212-3 DATE PLOTTED 17-FEB-2000
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 70 OF 243 SHEETS

LOCATION OF THS PLANT GROUP TO BE DETERMINED IN FIELD, BASED ON FINAL LOCATION OF NEW GRAVEL PATH

REV. POC 207+98.47 =
TH 12 POT 19+93.35
△ 90° TANGENT
TO CURVE

APPROX. LOCATION OF NEW GRAVEL PATH

APPROX. BY NYE

REV. PC 204+75.

3 SB 206·01 74.5' LT
206·14 72' LT
205·94 68' LT
205·85 66.5' LT
10 RSD 205·84 55' LT
5HS
10 RSD
3 AV
19
206·34 71.5' LT
206·46 83' LT
206·53 82' LT
206·54 77' LT
2 AV
207·12.5 77' LT
6 SB 207·02 77' LT
206·94 82' LT
201·25 48' LT
207·30 56' LT
10 GSD 206·70 71.5' LT
207·14 54' LT
3 AV 202·20
10 RSD
3 SB 207·51 19' LT
700 HF MIX

204 205 206 207 208 209 210 211 212 20

AER EAT

TH 12 REV. PC 20+22.24

TH 12 REV. PT 21+25.66

N 48°-40'-21" E

S 82°-27'-21.2" W

S 3°-27'-0" E

TH 12 REV. PI 20+84.07 = 20+63.83

REV. CURVE #4 PI 209+60.75 = 208+31.60

TH 12 REV. PC 21+51.35

TH 12 REV. PI 22+65.70 = 22+44.76

S 56°-13.5" W

LEGEND

NEW SHRUB

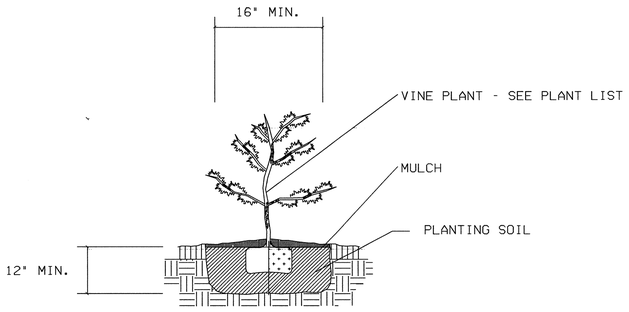
PERENNIAL PLANTING AREA

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

0 20 40
SCALE IN FEET

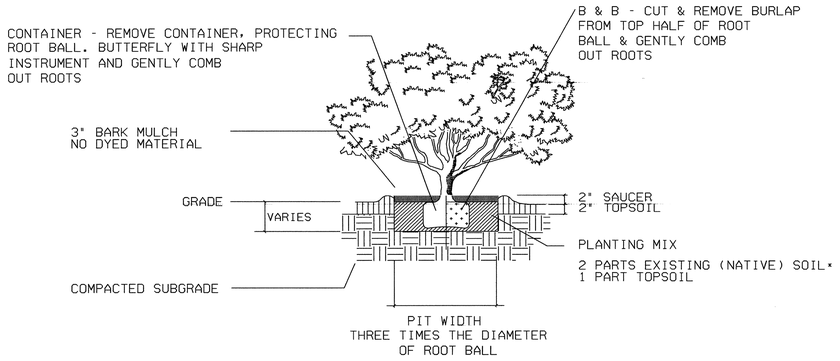
LANDSCAPE PLAN

SURVEYED BY _____ DATE _____
DRAWN BY K.RYAN DATE 2/00
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/DE058.DGN
IPARM FILE DE132L3B DATE PLOTTED 17-FEB-2000
PROJ. NAME MORETOWN
PROJ. NO. RSEGC-RS 0167(9)
SHEET 71 OF 243 SHEETS



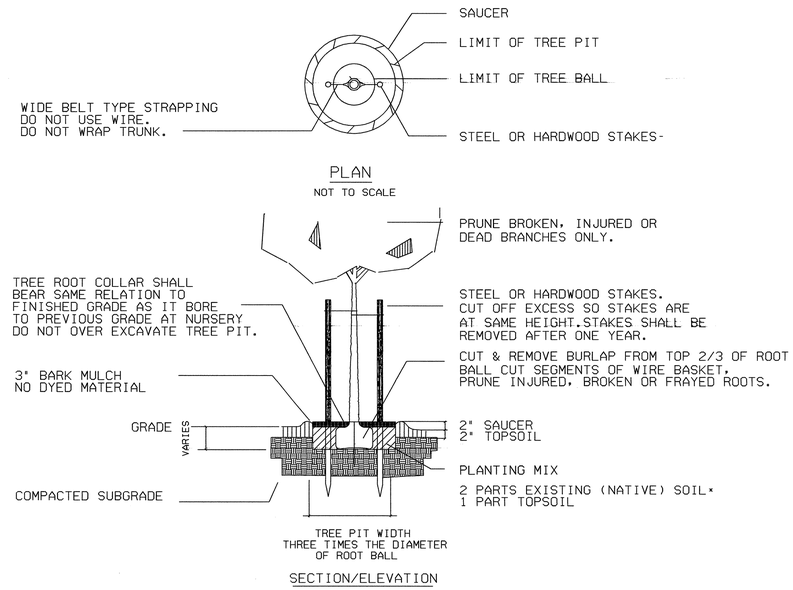
VINE INSTALLATION DETAIL

NOT TO SCALE



SHRUB INSTALLATION DETAIL

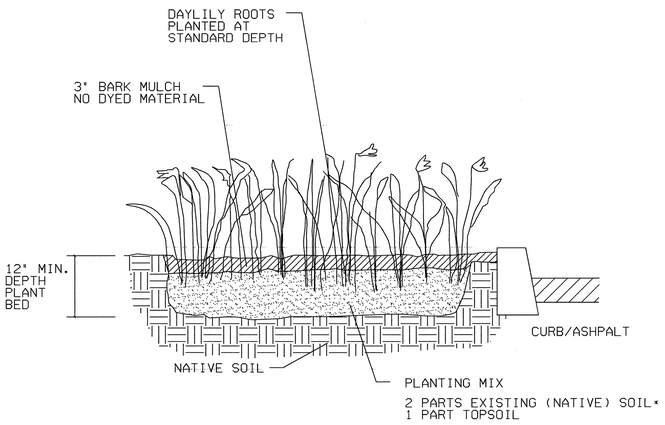
NOT TO SCALE



TYPICAL TREE PLANTING

NOT TO SCALE

* IF THE NATIVE SOIL FOUND IN PLANT PIT AREA IS CONSIDERED BY THE RESIDENT ENGINEER TO BE UNSUITABLE FOR PLANTING MIX, THE CONTRACTOR SHALL SUBSTITUTE TOPSOIL FOR THE TWO PARTS EXISTING SOIL.



PERENNIAL PLANTING DETAIL

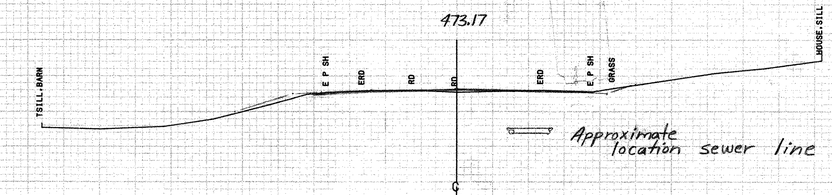
NOT TO SCALE

PLANTING SCHEDULE

ABBREVIATION	QUANTITY	ITEM NUMBER	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
			TREES			
W.S.	30	656.20	PICEA GLAUCA	WHITE SPRUCE	6-8'	B&B
			SHRUBS			
S.B.	45	656.35	AMELANCIER CANADENSIS	SHADBLOW	6-8'	B&B - MULTI-STEM
R.S.D.	96	656.35	CORNUS SERICEA	REDSTEM DOGWOOD	12-18"	B&B OR CONT.
G.S.D.	33	656.35	CORNUS AMOMUM	GRAYSTEM DOGWOOD	12-18"	B&B OR CONT.
H.S.	74	656.35	LONICERA XYLOSTEUM "CLAVEYI"	CLAVEYS'S DWARF HONEYSUCKLE	12-18"	B&B OR CONT.
S.S.	118	656.35	RHUS TYPHINA	STAGHORN SUMAC	12-18"	B&B OR CONT.
G.L.S.	15	656.35	RHUS AROMATICA 'GRO-LOW'	GRO-LOW SUMAC	12-18"	B&B OR CONT.
A.V.	51	656.35	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	12-18"	B&B OR CONT.
			VINES			
V	13	656.40	CELASTRUS SCANDENS	AMERICAN BITTERSWEET	2YR. FIELD	FIELD POT
□	13	656.40	PARTHENOSIS QUINQUEFOLIA	WOODBINE/VIRGINIA CREEPER	2YR. FIELD	FIELD POT
○	10	656.40	VITUS CULTIVAR	VALIENT GRAPEVINE	2YR. FIELD GROWN	2 GAL. POT
			OR	OR		
			VITUS AESTIVALIS (WILD GRAPE)	SUMMER GRAPE (NATIVE)	2YR. FIELD GROWN	2 GAL. POT
			PERENNIALS			
H.F.			HEMMEROCALLIS	COMMON DAYLILLY	ROOTS 3-5 EYE DIVISION	
	500	656.40	FULVA	NATIVE ORANGE LILY	ROOTS	FIELD GROWN
	200	656.40	FLAVA	NATIVE LEMON LILY	ROOTS	FIELD GROWN

LANDSCAPE DETAILS

SURVEYED BY _____ DATE _____
DRAWN BY K.RYAN DATE 2/00
SQUAD LEADER DELLA SANTA
DESIGN FILE NO. /SQDB/84E058/del32dtl.dgn
IPARM FILE del32dtl1 DATE PLOTTED 25-APR-2000
PROJ. NAME MORETOWN - MIDDLESEX
PROJ. NO. RSEGC-RS 0167 (9)
SHEET 72 OF 243 SHEETS



164+00

163+70
Begin Cold Planing

470

BD

470

163+50

163+00

470

BD

162+50

470

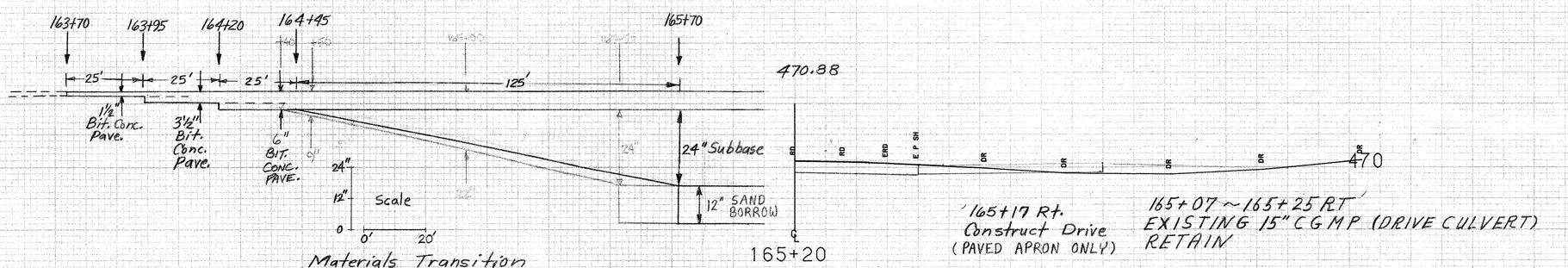
BD

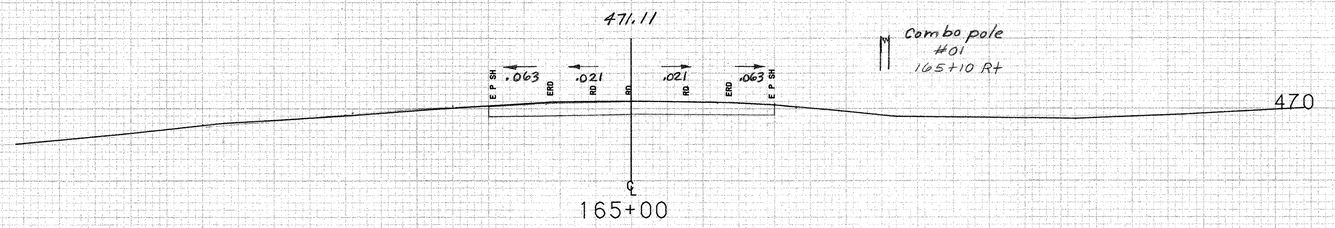
162+08.38

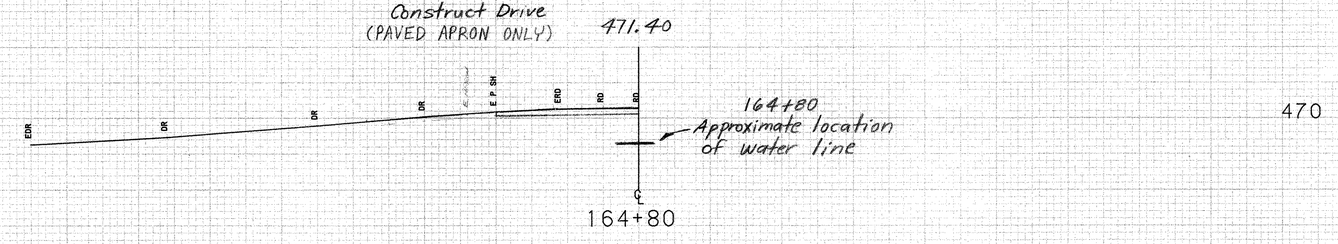
480

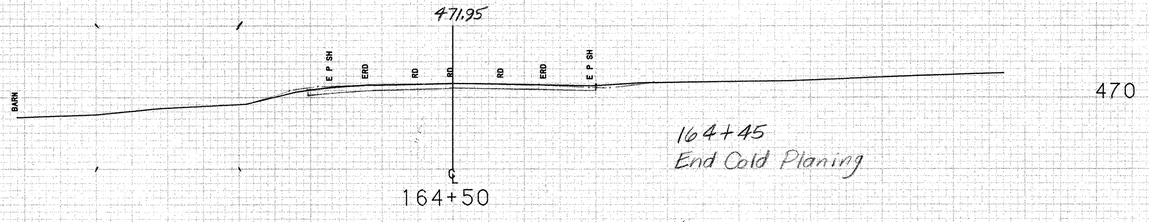
FROM STA. 162+08.38 TO STA. 164+00
PROJECT NAME MORETOWN MAIN1
NO. RS EGRS0167(9) PLOTTED 01/23/86
SURVEYED BY MOREAU JAN. 1986
SHEET 73 OF 243 SHEETS

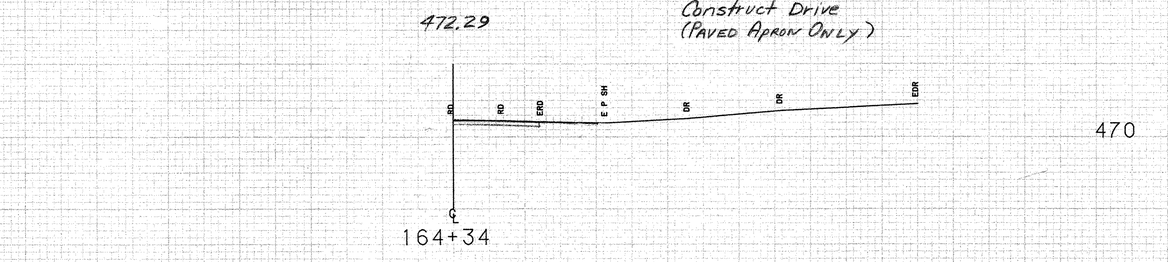
SCALE 10 FEET











SCALE 10 FEET

FROM STA. 164+34	TO STA. 165+20
PROJECT NAME MORETOWN	MAIN1
NO. RS EGC RS0167(9)	PLOTTED 01/23/86
SURVEYED BY MOREAU	JAN. 1986
SHEET 74 OF 243 SHEETS	

16TH/15 RT
24" MAPLE - Remove

477.34

167+00

AUTHORIZED EXCAVATION
166+50-167+00

DITCH 467.01

167+00 - 166+95 RT
NEW 18" x 146' CSP (corr), SMP (FE)
WITH END SECTION @ INLET

460

ZERO SUBGRADE ROCK @ 166+60

PROBED 8/8/01

166+94 - 167+44 RT
New 30" x 24" 6 SPA (.079")
OR CMCP(SD) W/ END SECTION

470.83

166+50

DITCH 466.64

460

EDGE SECTION ON FILE 166+45

PROBED 8/8/01

166+27

470.59

ZERO SUBGRADE ROCK @ 166+00

166+00

DITCH 466.32

460

166+45 - 166+94 LT
CONSTRUCT SECONDAL DITCH
W/EROSION MATTING
(PAY AS COMMON EXCAVATION)

470.66

165+50

DITCH 466.0

460

165+85 - 165+50 RT
NEW 6" x 42' UNDERDRAIN
W/FB @ 165+50 RT

470.75

466.48

460

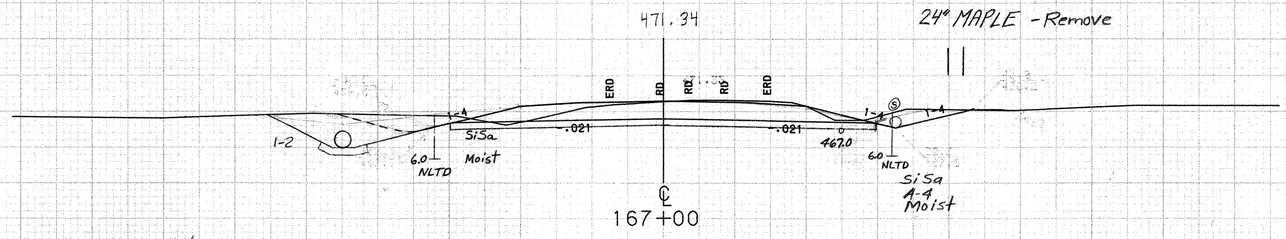
165+35.50

Asphalt 82'-35 Lt.
Existing 18" RCP - Return

FROM STA. 165+35.50 TO STA. 167+00
PROJECT NAME MORETOWN
NO. 18 (ERS)(16719) PLOTTED 04/15/87
SURVEYED BY MOREAU 01/86 0039
SHEET 75 OF 243 SHEETS

SCALE 1" = 10 FEET

167+15 RT
24" MAPLE - Remove



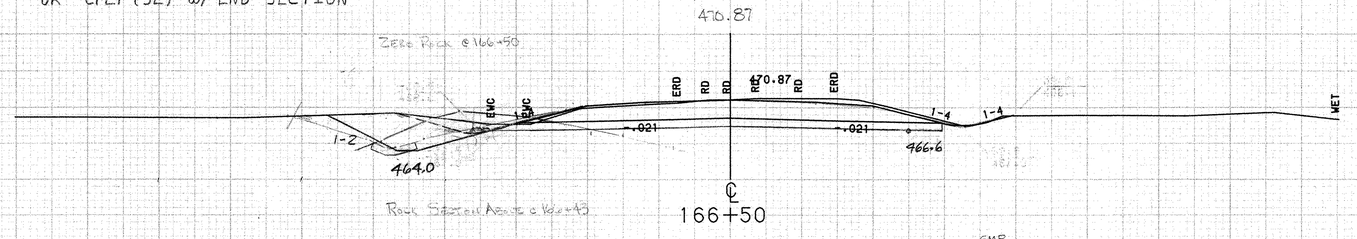
℄
167+00

167+00 ~ 168+45 RT
NEW 18" x 146' CSP (.064), CPEP (SL)
WITH END
SECTION @ INLET

PIPE PAVED W/ TRENCH
EARTH SEE BK 2 PG 17

460

166+94 ~ 167+61 LT.
New 30" x 64' CSP(.079)
OR CPEP(SL) W/ END SECTION

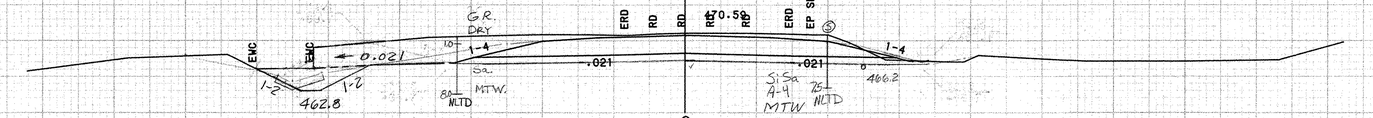


℄
166+50

Rock Station Ahead @ 166+45

Zero Rock @ 166+20

460

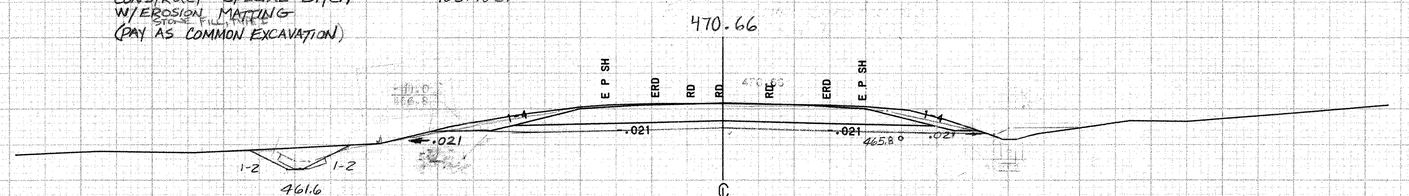


℄
166+00

460

Combo pole
#201
165+70 LT

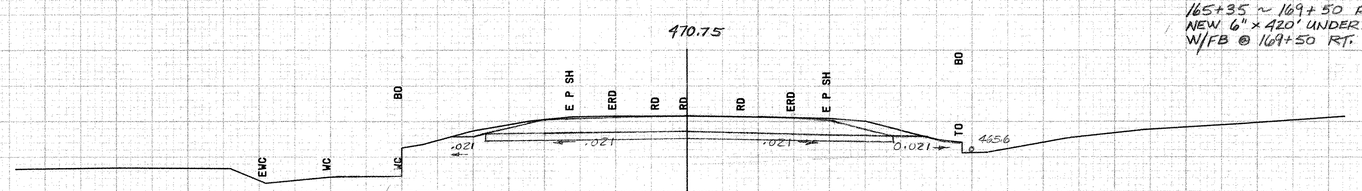
35
165+45 ~ 166+94 LT.
CONSTRUCT SPECIAL DITCH
W/EROSION MATTING
(PAY AS COMMON EXCAVATION)



℄
165+50

460

165+35 ~ 169+50 RT
NEW 6" x 420' UNDERDRAIN
W/FB @ 169+50 RT.



℄
165+35.50

Askew 82°35'Lt.
Existing 18" RCP - Retain

460

FROM STA. 165+35.50	TO STA. 167+00
PROJECT NAME MORETOWN	
NO. RS 66 RS0167(9)	PLOTTED 04/15/87
SURVEYED BY MOREAU	01/86 0039
SHEET 75 OF 243 SHEETS	

SCALE 10 FEET

470+82

166+43

VT 100B

2052B SUBGRADE DRILLING + BLASTING (LOCATION OF SOLID ROCK VERIFIED BY KTW 6-6-01

STATION	DIST.	WIDTH	AREA
166+00			
	43	0	51.9
166+43		23	
	17		24.7
166+60		0	
			76.6 cy

SOLID ROCK 63.7 cy

CROSS SECTION SHEET

PROJECT NAME: _____

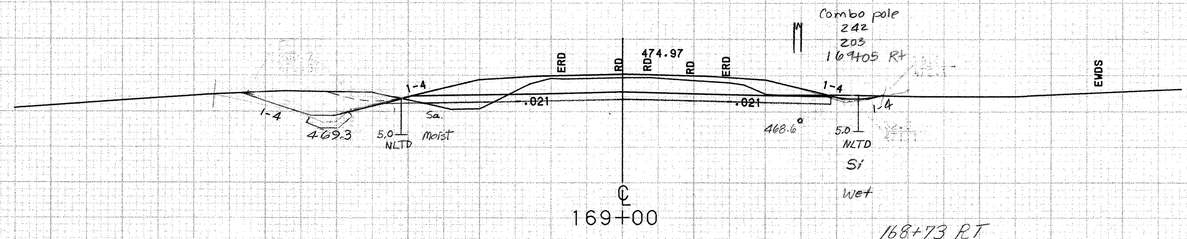
PROJECT NUMBER: 166+43

FILE NAME: LEDGE SECTION PLOT DATE: 05-JUN-2000 09

PROJECT LEADER: _____ DRAWN BY: _____

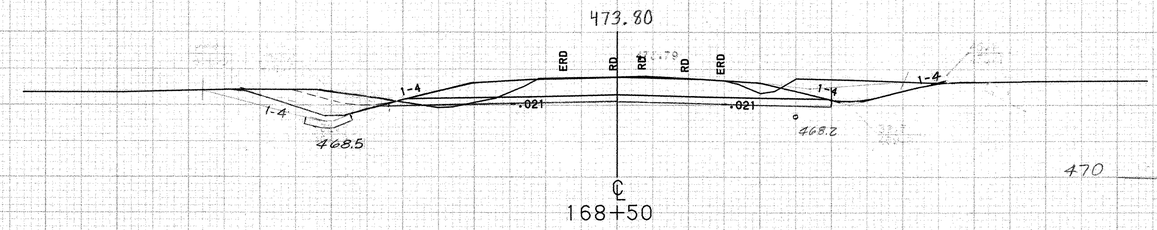
DESIGNED BY: _____ CHECKED BY: _____

const: g:/common/cadd/e-xsection.dgn SHEET 75A OF _____



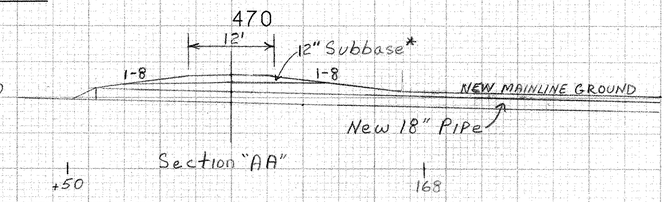
470

168+73 RT
6" APPLE - Remove

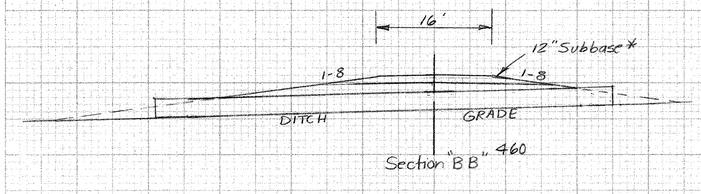


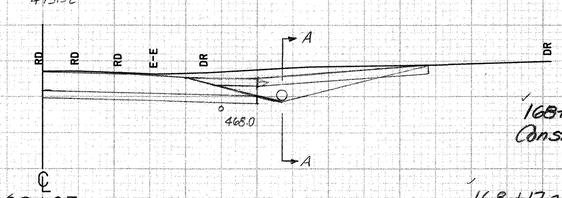
470

*3" Subbase of Crushed Gravel
(Fine Graded) over 9" Dense
Graded Crushed Stone



* 3" Subbase of Crushed Gravel
(Fine Graded) over 9" Dense
Graded Crushed Stone

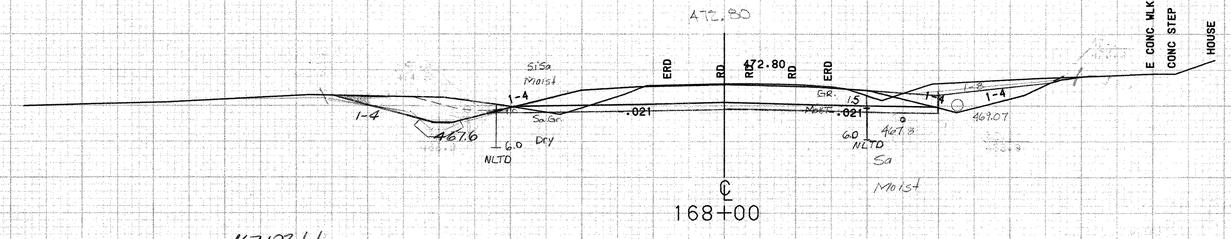




470

168+27 Rt
Construct Drive (Gravel)

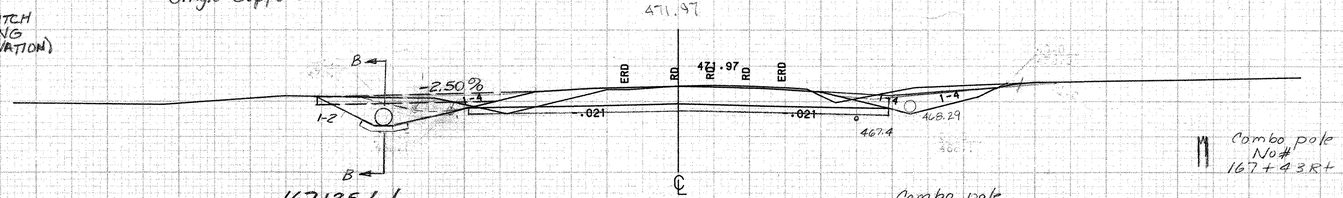
168+17 ~ 168+37 Rt.
Remove existing 15"CGMP (Drive Culvert)
w/ Common Excavation



470

167+93 Lt.
Relocate Mail box -
Single Support

167+61 ~ 172+50 LT
CONSTRUCT SPECIAL DITCH
WITH EROSION MATTING
(PAY AS COMMON EXCAVATION)



470

167+35 Lt.
Construct Drive (Gravel)

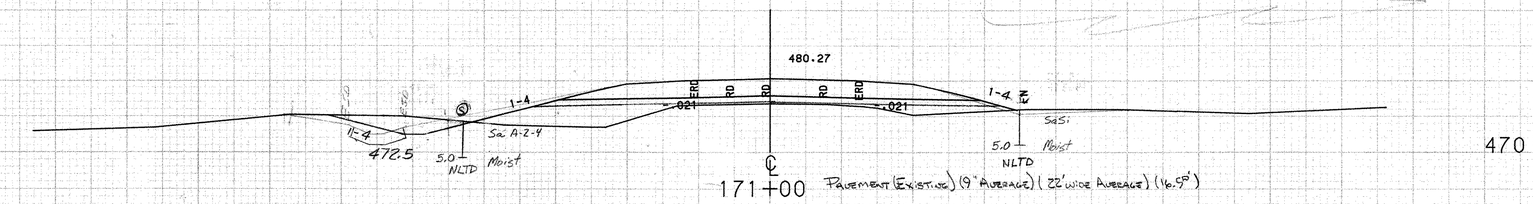
Combo pole
No#
167+43 Rt

Combo pole
No#
167+30 Rt

SCALE 10 FEET

FROM STA. 167+50	TO STA. 169+00
PROJECT NAME MORETOWN	
NO. ~~RSEG~~ RS0167(9)	PLOTTED 04/15/87
SURVEYED BY MOREAU	01/86 0039
SHEET 76 OF 243 SHEETS	

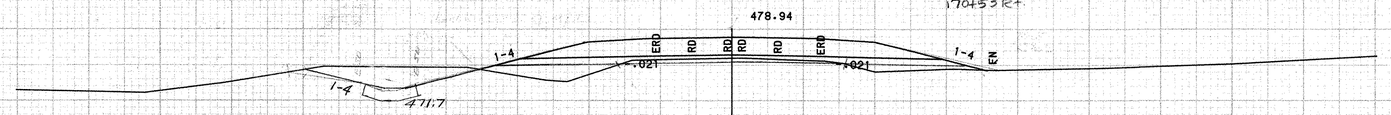
STA. 170+50 CL ~ STA. 173+25 CL
REMOVAL OF PAVEMENT 0-2' BELOW SUBGRADE
(PAID AS COMMON EXCAVATION)



℄ 171+00

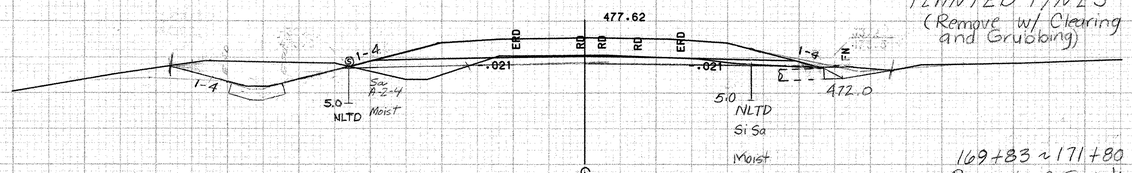
Pavement (Exist. use) (9" Average) (22' wide Average) (16.5')

Combo pole
241
204
170+53 Rt



℄ 170+50

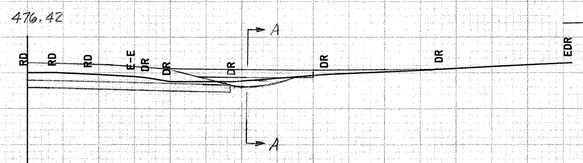
170+00 ~ 171+50
PLANTED PINES
(Remove w/ Clearing and Grubbing)



℄ 170+00

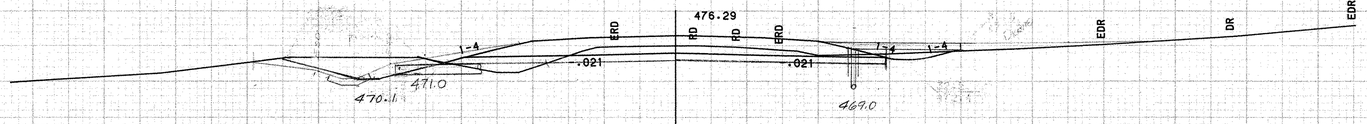
169+83 ~ 171+80 Rt
Removal of Existing Fence

169+50 Lt. ~ 169+75 Rt
NEW 18" x 76' PCCSP(.064), CPEP(SL),
OR CAAP(.060) W/END SECTION
AND INLET DITCH



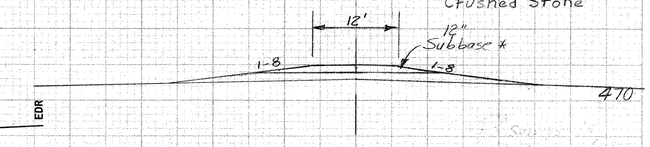
℄ 169+55
(ODD SECTION)

169+55 Rt.
Construct Drive (Gravel)
Gate for Woven Wire Fence (16' Wide)
(2-8' Gates w/ Opening in Middle)



℄ 169+50

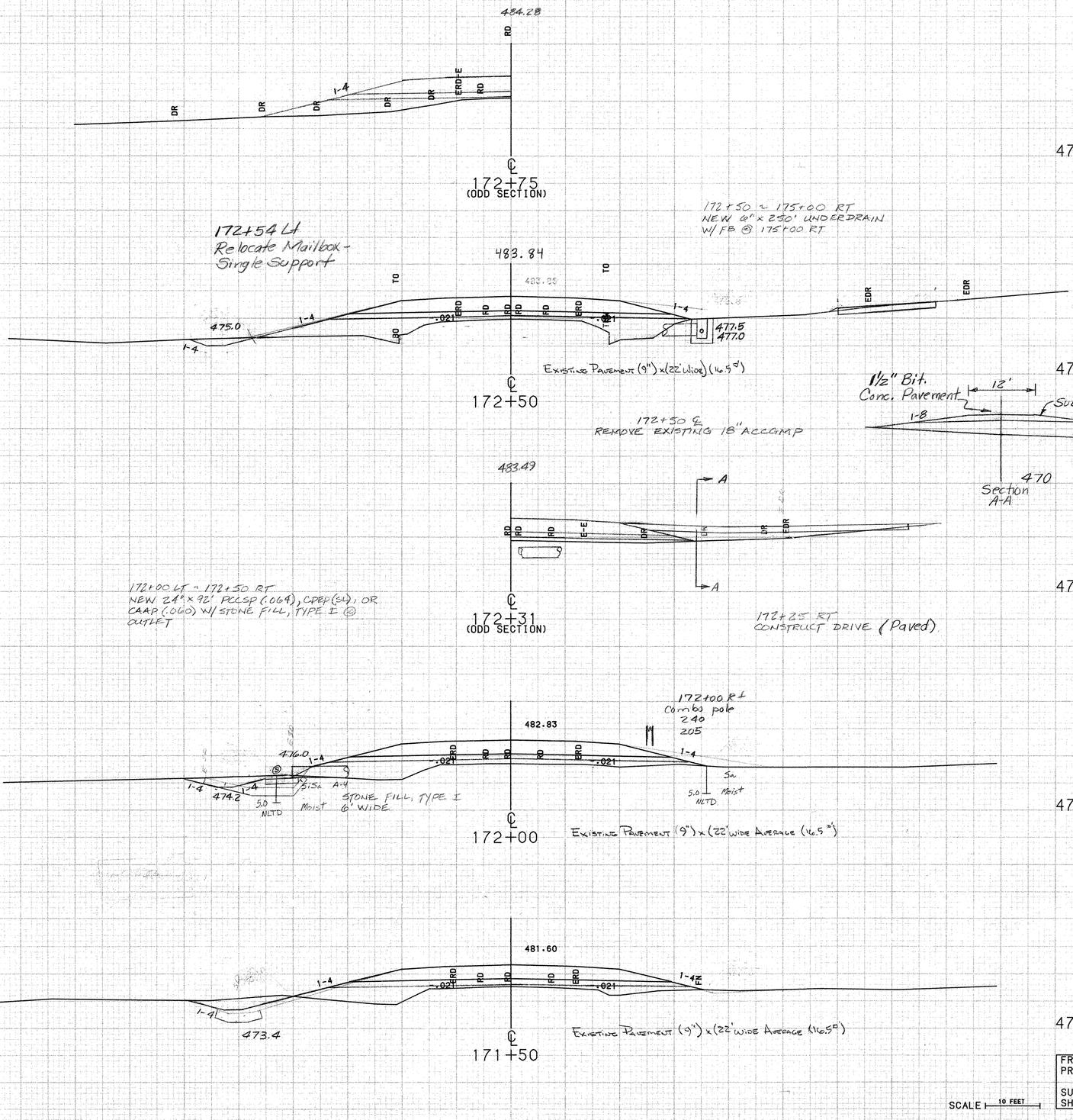
* 3" Subbase of Crushed Gravel (Fine Graded) over 9" of Dense Graded Crushed Stone



470 Section 'A-A'

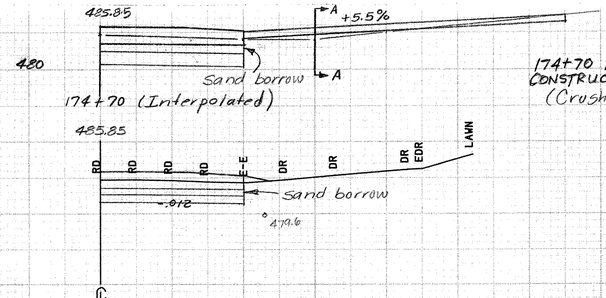
SCALE 10 FEET

FROM STA. 169+50		TO STA. 171+00
PROJECT NAME	MORETOWN	
NO. ~~RS EG~~	RS0167(9)	PLOTTED 04/15/87
SURVEYED BY	MOREAU	01/86 0039
SHEET 77 OF 243 SHEETS		



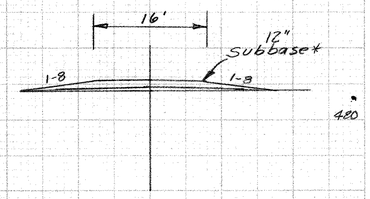
FROM STA. 171+50	TO STA. 172+75
PROJECT NAME	MORETOWN
NO. ~~25 EGC~~	RS0167(9) PLOTTED 04/15/87
SURVEYED BY	MOREAU 01/86 0039
SHEET 78 OF 243 SHEETS	

SCALE 10 FEET



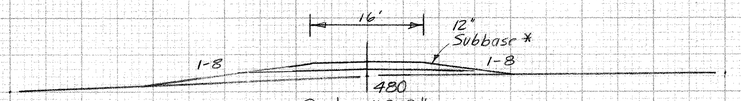
174+70 RT
CONSTRUCT DRIVE (SUBBASE MOD.)
(Crushed Slate)

* 3" Crushed slate over
9" Dense Graded Crushed Stone

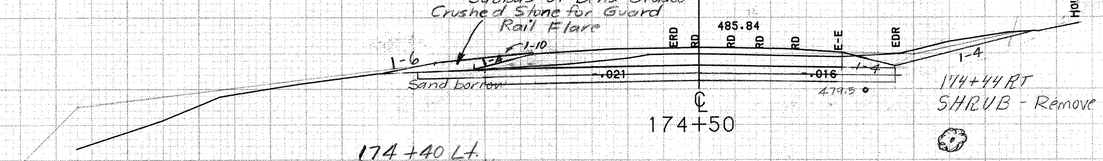


Section 'A-A'

* 3" Subbase of Crushed Gravel (Fine Graded) over 9" Dense Graded Crushed Stone



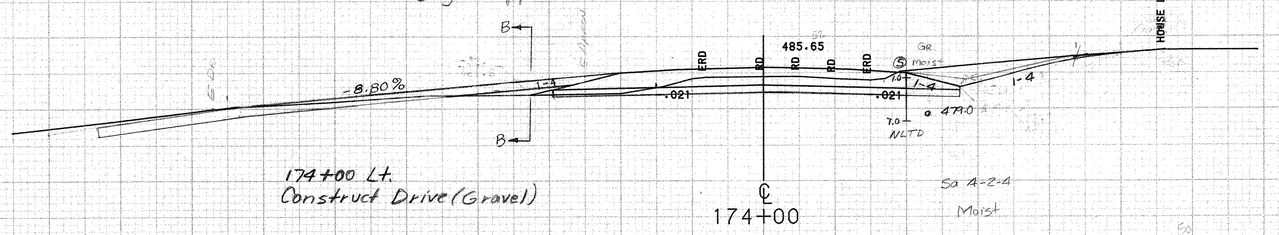
Section 'B-B'



174+44 RT
SHRUB - Remove

480

174+40 Lt.
Relocate Mailbox - Single Support.

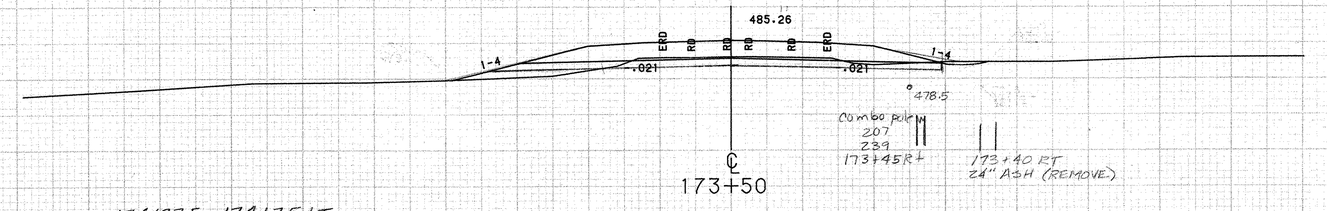


174+00 Lt.
Construct Drive (Gravel)

Sa A-2-4
Moist

480

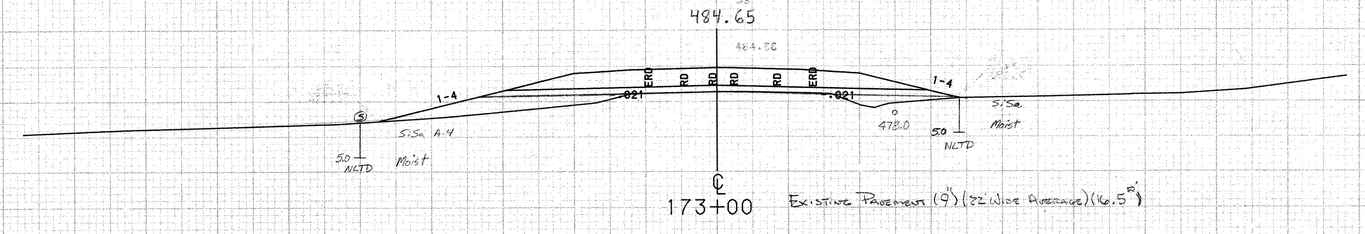
174+35 ± 175+12 ℄
CUT TO FILL TRANSITION



173+40 RT
24" ASH (REMOVE)

480

174+37.5 ± 174+75 LT
MELT



Existing Pavement (9") (22' Wide Average) (16.5')

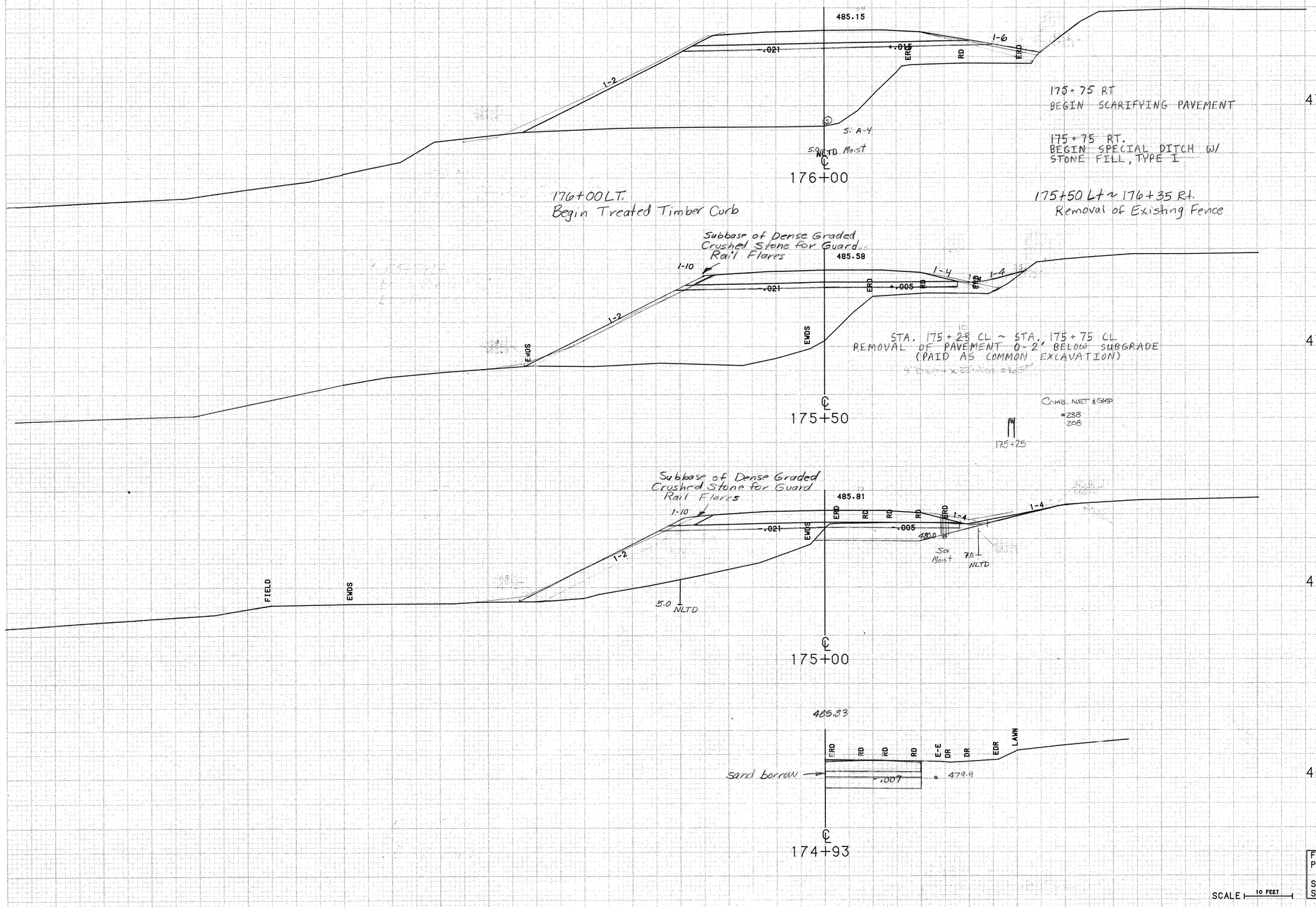
480

20'
SCALE

GUARD RAIL DETAIL

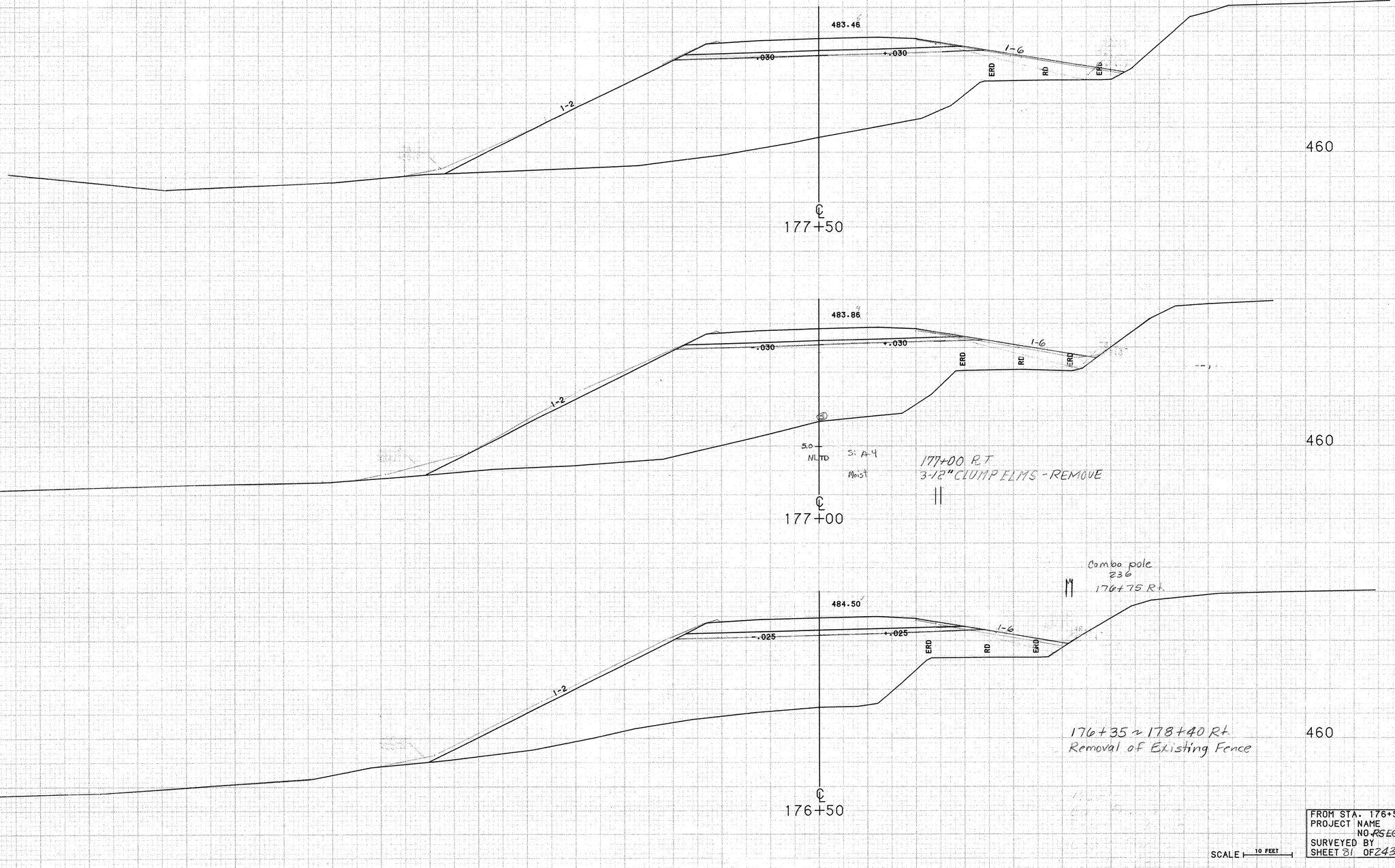
SCALE 10 FEET

FROM STA. 173+00		TO STA. 174+58
PROJECT NAME	MORETOWN	
NO. RS E66	RS0167 (9)	PLOTTED 04/15/87
SURVEYED BY	MOREAU	01/86 0039
SHEET 79 OF 243 SHEETS		



FROM STA. 174+93 TO STA. 176+00
PROJECT NAME MORETOWN
NO. ~~RS EG~~ RS0167(9) PLOTTED 04/15/87
SURVEYED BY MOREAU 01/86 0039
SHEET 80 OF ~~243~~ SHEETS

SCALE 10 FEET



SCALE 10 FEET

FROM STA. 176+50		TO STA. 177+50	
PROJECT NAME	MORETOWN		
NO. ~~RS166~~	RS0167 (9)	PLOTTED	04/15/87
SURVEYED BY	MOREAU	01/86	0039
SHEET 81 OF 243 SHEETS			

Comb NET # GMP
234
212

179+38

483.60

482.61

+.030 +.030

1-2 1-6 ERD RD ERD

470

SaSi A-4

NLTD 5.0 Moist

℄

179+00

483.32

482.33

+.030 +.030

1-2 1-5 ERD RD RD ERD

DR DR DR DR DR DR

178+50 RT.
END SPECIAL DITCH W/
STONE FILL, TYPE I

470

178+27 Rt
Combo pole
235
211

178+40 Rt ≈ 178+40 Lt.
Removal of Existing Fence

℄

178+50

10° ELBOW

15° ELBOW

483.27

1-4 ERD RD ERD TO TO BD BD

460

178+14 Lt.
New 12" x 40' CSP (.064) or
CAAP (.060) w/ PRCCDI w/
1-10° and 1-15° Elbow

178+11.5 Rt.
Remove existing 15" CMP

178+11.5 RT.
END SPECIAL DITCH W/
STONE FILL, TYPE I

178+11.5 RT.
BEGIN SPECIAL DITCH W/
STONE FILL, TYPE I

℄

178+11.50
(ODD SECTION)

178+12 ℄
New 24" x 136' PCCSP (.064), CPEP (SL), OR
CAAP (.060) w/ End Section @ INLET
and TYPE II STONE PAD @ Outlet

483.27

483.28

+.030 +.030

1-2 1-5 ERD RD ER

470

5.0 NLTD

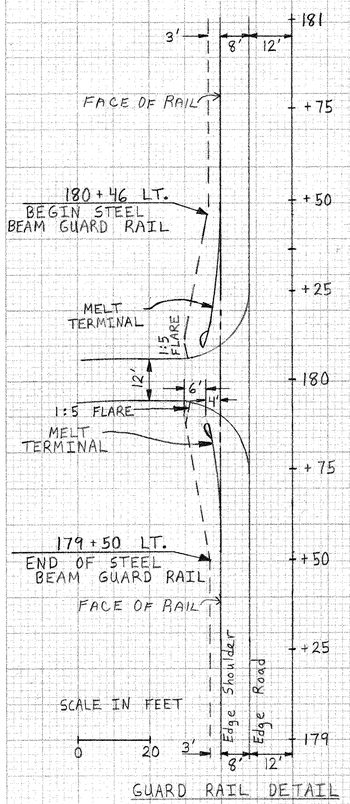
SI A-4
Moist

℄

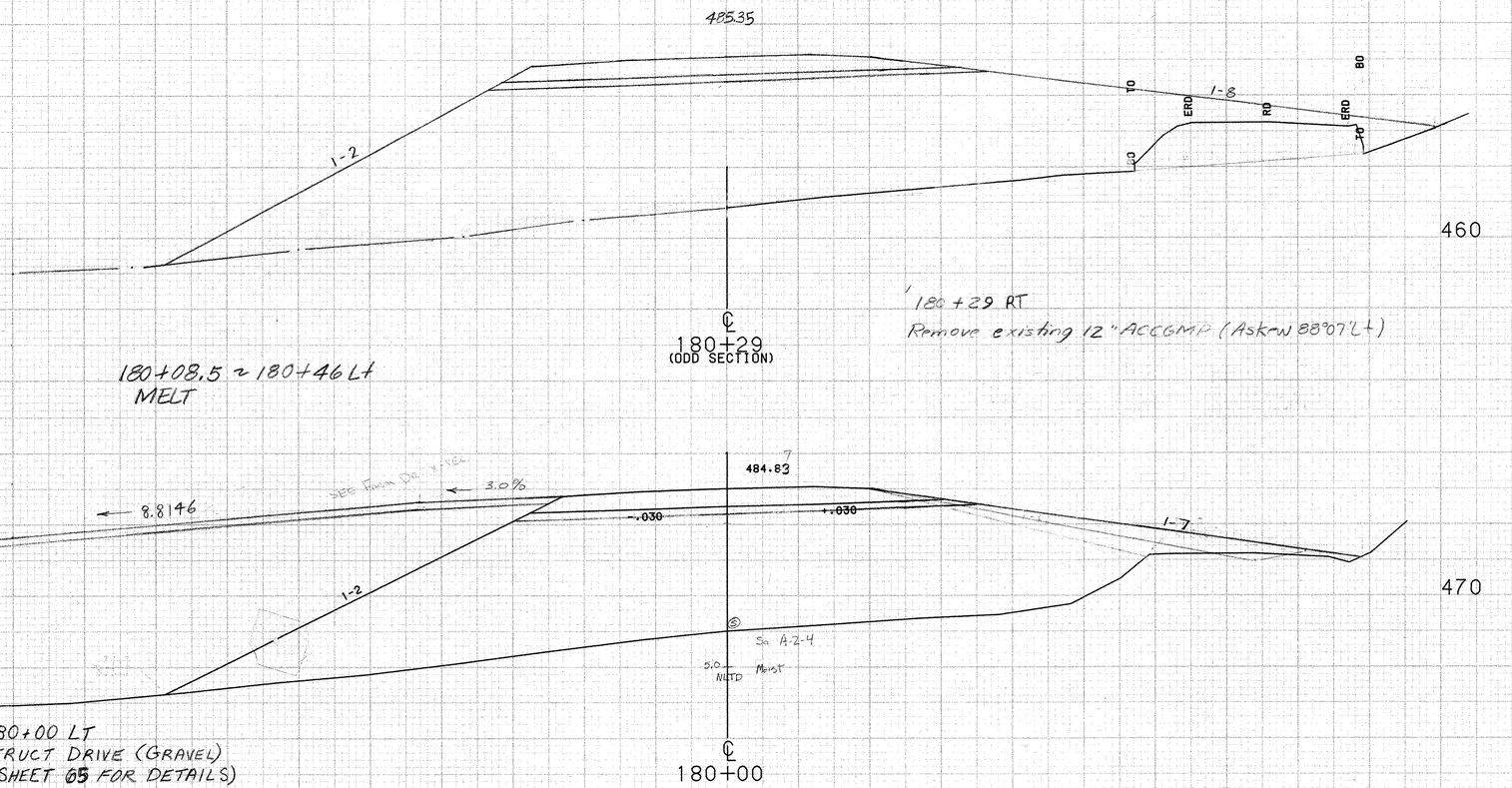
178+00

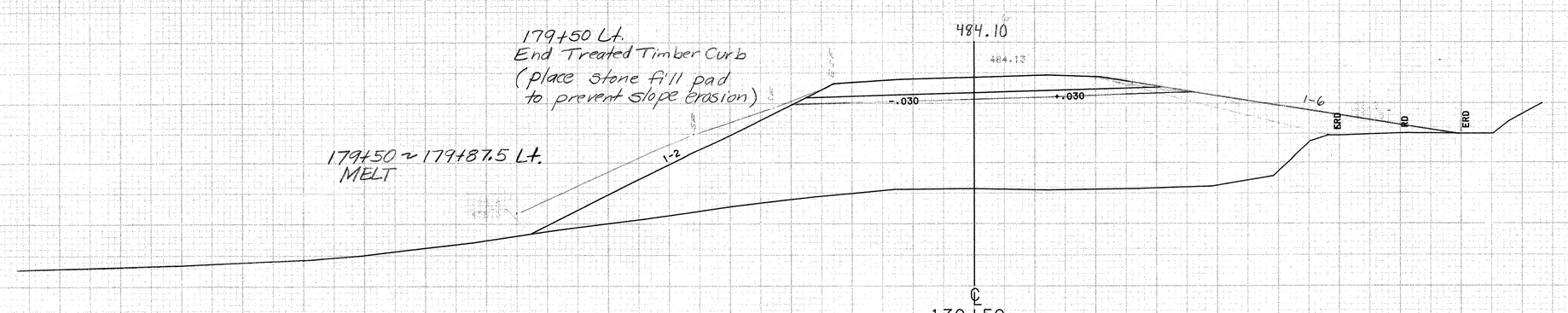
SCALE 10 FEET

FROM STA. 178+00	TO STA. 179+00
PROJECT NAME MORETOWN	
NO RS E6(RS0167(9)	PLOTTED 04/15/87
SURVEYED BY MOREAU	01/86 0039
SHEET 82 OF 243 SHEETS	



GUARD RAIL DETAIL





FROM STA. 179+50	TO STA. 180+29
PROJECT NAME MORETOWN	
NO. RS EGCRS0167 (9)	PLOTTED 04/15/87
SURVEYED BY MOREAU	01/86 0039
SHEET 93 OF 243 SHEETS	

SCALE 10 FEET

488.39

-.025 +.025

1-2 1-8 ENO E-E EDR

470

℄
181+50

486.97

-.030 +.030

1-2 1-8 ERD RD ERD

SaS: A-4
50 + Moist
M.T.D.

470

℄
181+00

180+87 Rt
Combo pole
138A
233
213

485.79

-.030 +.030

479.5

A A

1-8 ERD RD ERD

478.3

470

FIELD DR. 1-2

180+56 Lt.
Begin Treated Timber Curb

℄
180+50

STA. 180+50 ℄
NEW 18" × 88' PCCSP(.064),
CAAP(.060) OR CPEP W/
STONE FILL, TYPE I AT
OUTLET

℄ FILL LINE

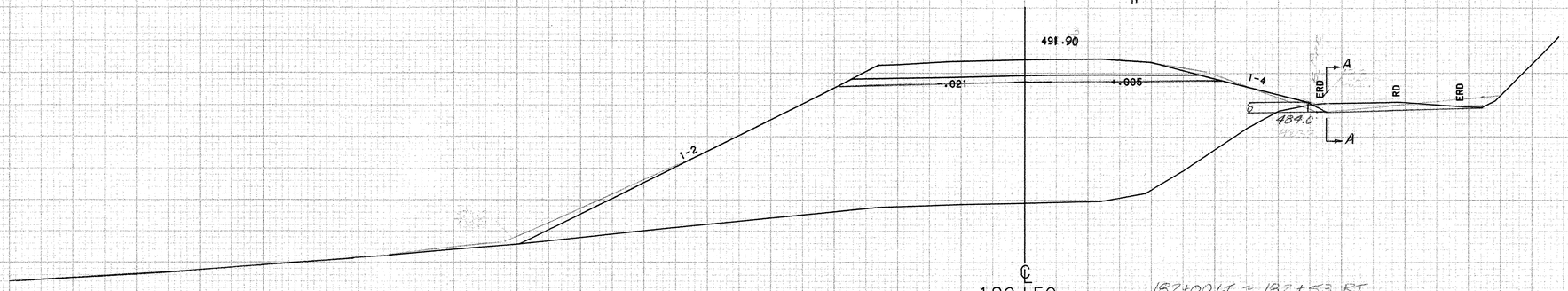
1-2 1-2

SECTION "A-A"

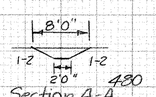
SCALE 10 FEET

FROM STA. 180+50	TO STA. 181+50
PROJECT NAME MORETOWN	
NO. A5 E60 RS0167(9)	PLOTTED 04/15/87
SURVEYED BY MOREAU	01/86 0039
SHEET 84 OF 243 SHEETS	

182+65 RT
8" BIRCH - REMOVE



℄ 182+50

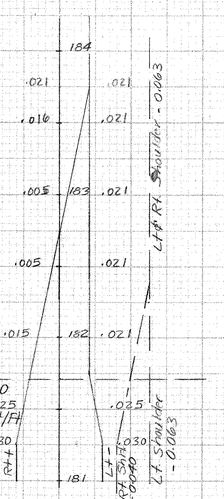


Section A-A

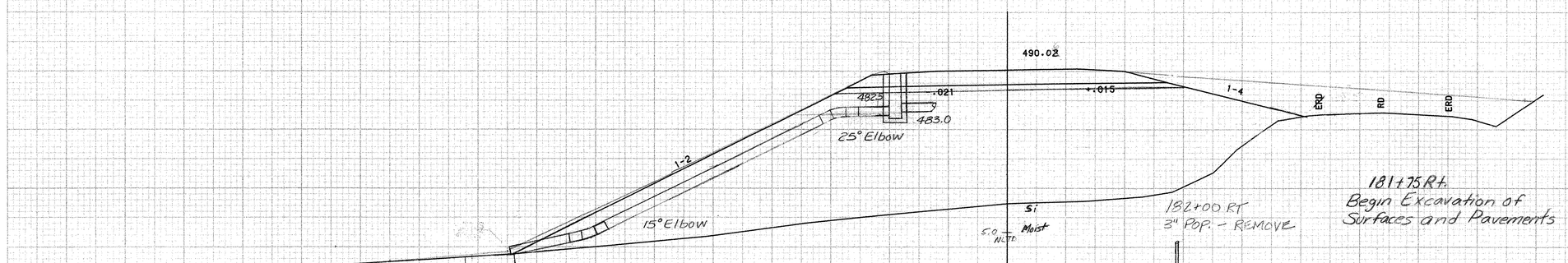
480

470

182+00 Lt. to 182+53 RT.
NEW 18"x84' PCCSP(.064), CAAP(.060) OR
CPEP(SL) W/END SECTION AND INLET DITCH



Banking and Shoulder Transition



℄ 182+00
488.79

182+00 Lt.
New 18"X56' CSP(.064) or CAAP(.060)
W/1-25° and 1-15° Elbow W/TYPE II
STONE PAD @ OUTLET

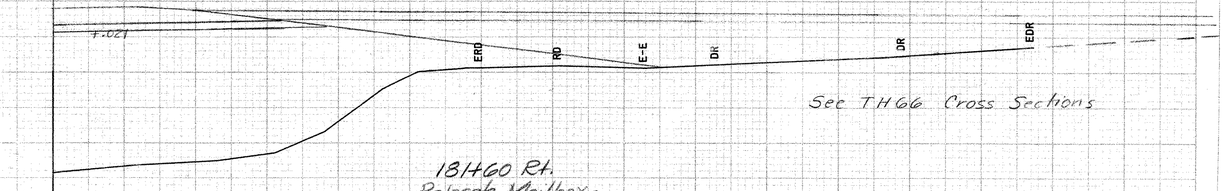
182+00 RT
3" POP. - REMOVE

PT 181+71.10
1°30' Lt
Bank 0.030 Ft/Ft

181+75 Rt.
Begin Excavation of
Surfaces and Pavements

181+81 Rt
Combo pile
23'
214

181+75 RT
END SCARIFYING
PAVEMENT



See TH 66 Cross Sections

181+60 Rt.
Relocate Mailbox-
Multiple Support (3 Boxes)

460

℄ 181+63
(ODD SECTION)

SCALE 10 FEET

FROM STA. 181+63		TO STA. 182+50
PROJECT NAME	MORETOWN	
NO. RS EGC	RS0167 (9)	PLOTTED 04/15/87
SURVEYED BY	MOREAU	01/86 0039
SHEET 85 OF 243 SHEETS		

497.59

.019

1-4

PIPE

Approx. location of 10" CMP

183+84 R.T.
6" BIRCH (REMOVE)

183+95 Rt
Remove existing 10" CMP (Poor Condition)
(Inlet buried)

480

℄
183+95
(ODD SECTION)

183+65 R.T.
12" PINE (REMOVE)

74
495.86

.021

.016

1-1

ERD

1-4

ERD

.021

1-2

1-2

12" Subbase
((3" Subbase of Crushed Gravel (FINE GRADED)
OVER 9" Dense Graded Crushed Stone))

480

1-2

183+28 RT
6" APPLE (REMOVE)

℄
183+50

183+25 Rt.
Begin Gravel Parking Area

183+07 RT
6" MAPLE (REMOVE)

2
493.88

.021

.005

1-4

ERD

RD

ERD

480

1-2

SaSi A-4
Moist

5.0
NLTD

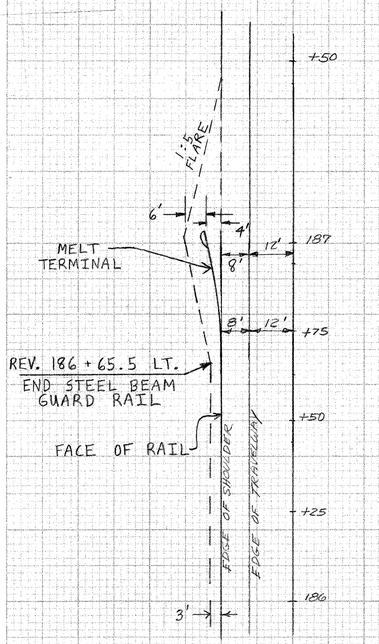
183+00 Rt
Combo pole
231
215

183+00 RT
BEGIN SCARIFYING
PAVEMENT

℄
183+00

SCALE 10 FEET

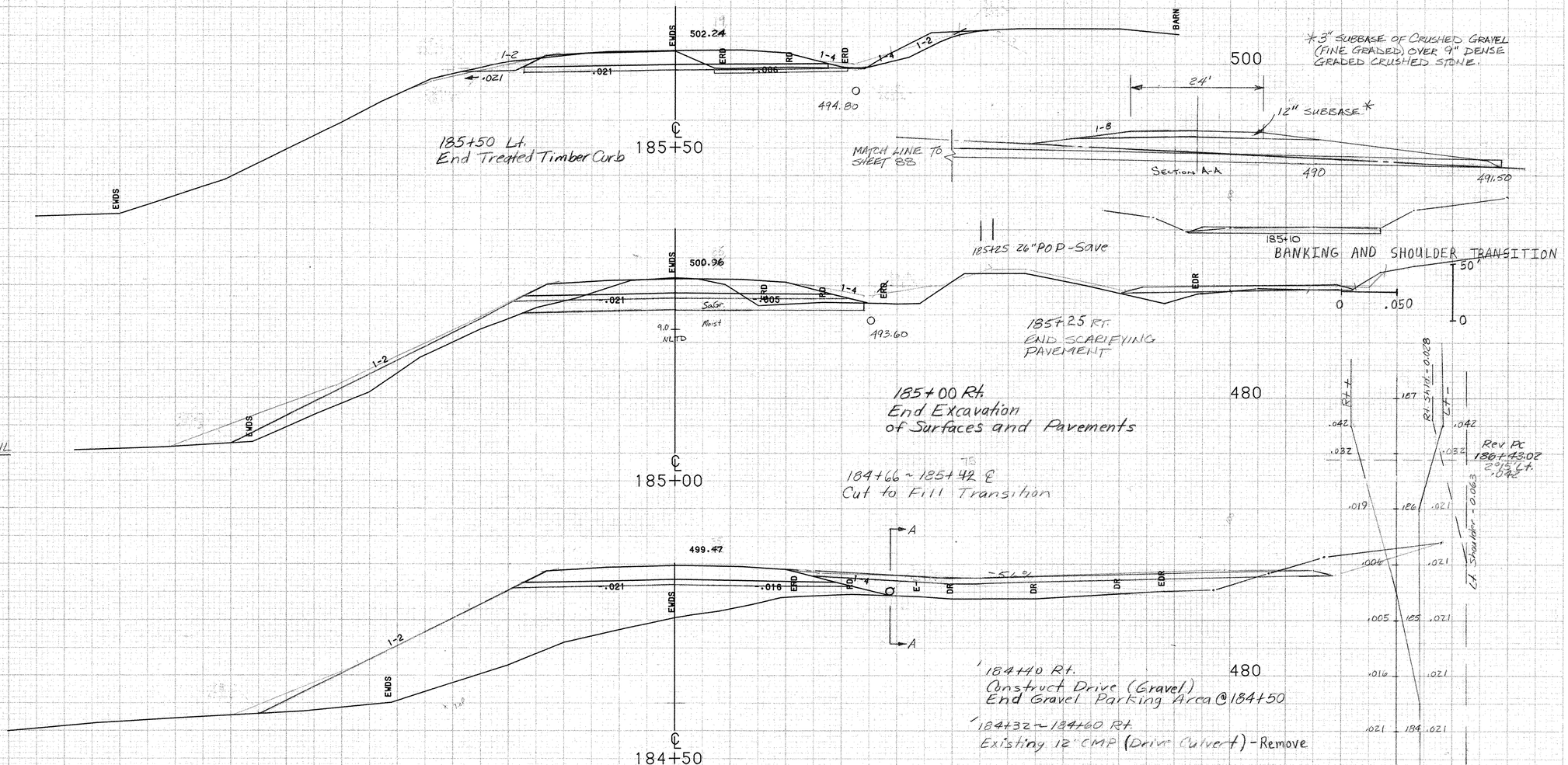
FROM STA. 183+00	TO STA. 183+95
PROJECT NAME MORETOWN	
NO. ~~RSEG~~ RS0167(9)	PLOTTED 04/15/87
SURVEYED BY MOREAU	01/86 0039
SHEET 86 OF 243 SHEETS	



GUARD RAIL TERMINAL DETAIL

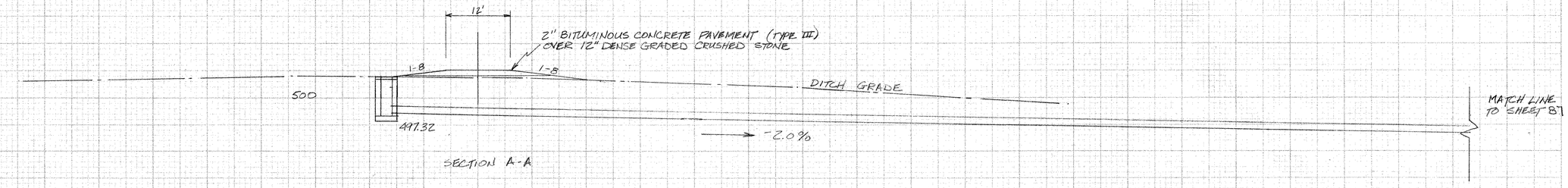
20'

SCALE



FROM STA. 184+00	TO STA. 185+50
PROJECT NAME MORETOWN	
NO. RSEGRS0167(9)	PLOTTED 04/15/87
SURVEYED BY MOREAU	01/86 0039
SHEET 87 OF 243 SHEETS	

SCALE 10 FEET

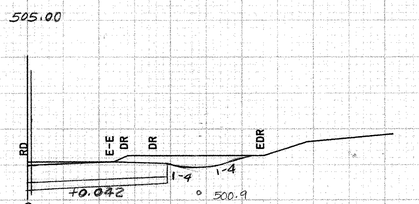


SECTION A-A

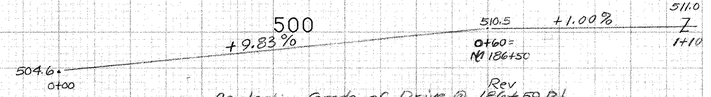
500

187+13 LT.
6" PINE - REMOVE

505.00



SURV ℄ REV
187+13 = 187+06.74
(ODD SECTION)



Rev
Centerline Grade of Drive @ 186+59 Rt

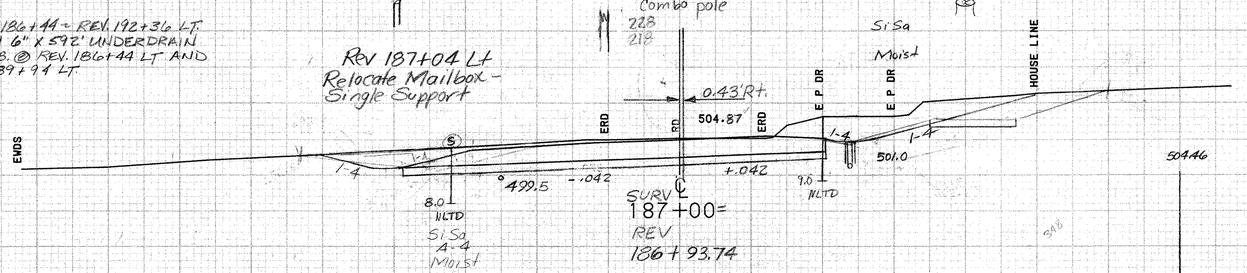
187+09 LT
2-6" PINES - REMOVE

187+03 Lt.
Combo pole
228
218

187+09 RT
18" STUMP - REMOVE

REV. 186+44 ± REV. 192+36 LT.
NEW 6" X 592' UNDERDRAIN
W/F.B. @ REV. 186+44 LT AND
@ 189+94 LT

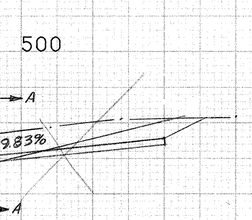
Rev 187+04 Lt
Relocate Mailbox -
Single Support



SURV ℄
187+00=
REV
186+93.74

REV. 186+94 ± REV. 191+67 RT
NEW 6" X 474' UNDERDRAIN
W/ F.B. @ REV. 186+94 RT AND
@ REV. 188+94 RT.

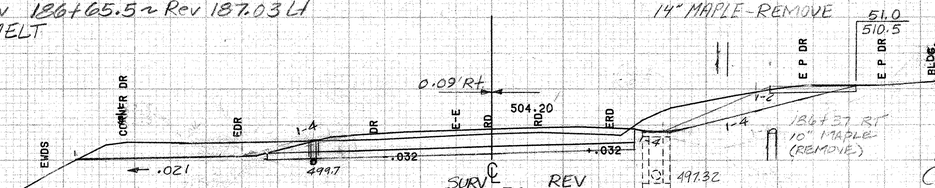
504.46



Rev 186+59
(Interpolated Section)

Rev 186+65.5 ± Rev 187.03 Lt
MELT

186+70 RT
14" MAPLE - REMOVE



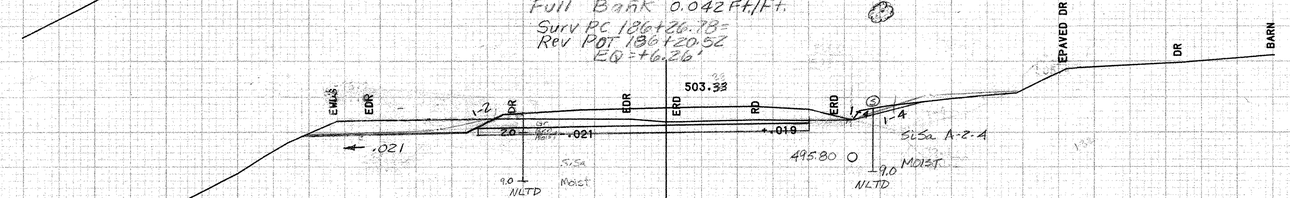
SURV ℄ REV
186+50 = 186+43.74

Rev
186+59 Rt.
Construct Drive
(Paved)

500

Rev PC 186+43.02
2.15' Lt
Full Bank 0.042 Ft/Ft.
Surv PC 186+26.78 =
Rev POT 186+20.52
EQ = +6.26'

186+15 RT
MULBERRY
BUSH - REMOVE.



500

186+00

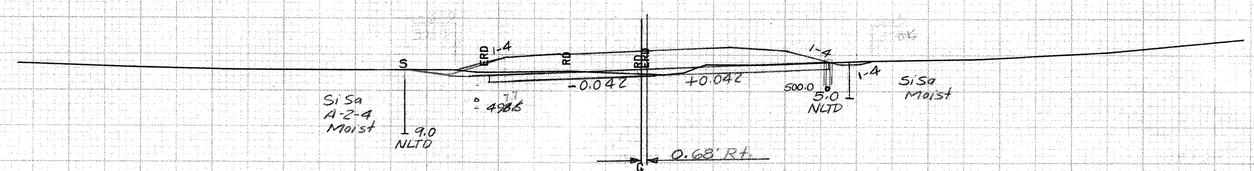
185+92 Rt
Combo pole
229
211

FROM STA. 186+00		TO STA. 187+13	
PROJECT NAME	MORETOWN		
NO. RSEGC	RS0167 (9)	PLOTTED	04/15/87
SURVEYED BY	MOREAU		01/86 0039
SHEET 88 OF 243 SHEETS			

SCALE 10 FEET

189+25 Rt.
12" Silver Maple
Save

505.46

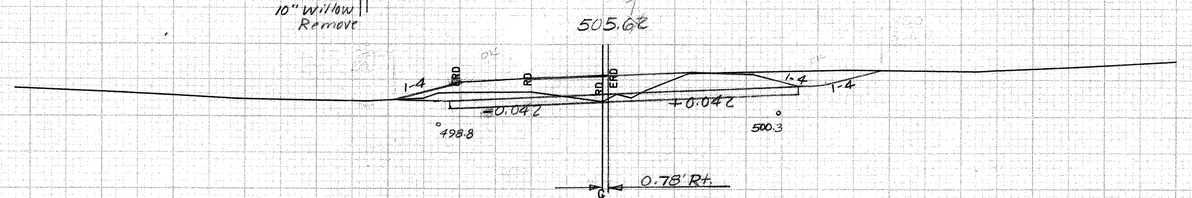


188+84
Lt.
15" Willow
Remove

188+74 Lt.
10" Willow
Remove

Surv 189+00 =
Rev 188+93.79

505.62

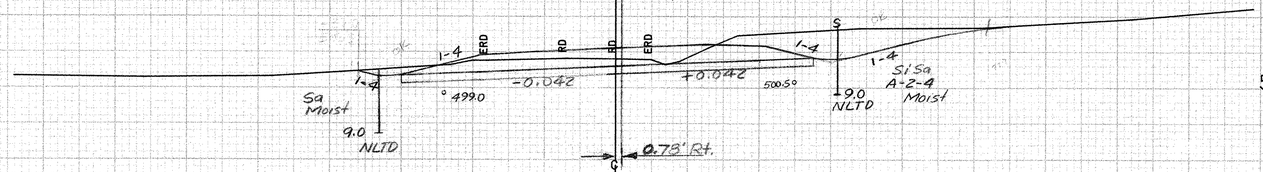


Surv 188+50 =
Rev 188+43.78

227
21.9

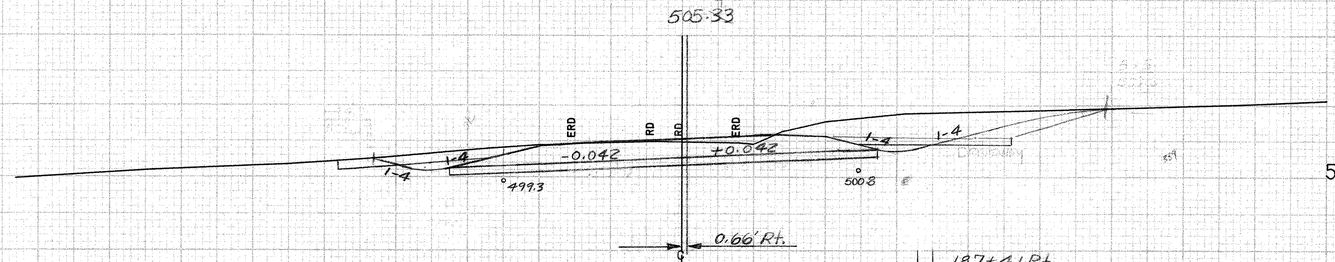
188+30
Combo
pole

505.57



Surv 188+00 =
Rev 187+93.77

505.33



Surv 187+50 =
Rev 187+43.75

187+41 Rt.
24" Willow
Remove

187+37 Lt.
6" Pine
Remove

187+39 Rt
2-6" Loc.
Remove

SCALE 10 FEET

FROM STA. 187+50 TO STA. 189+00
PROJECT NAME MORETOWN-MIDDLESEX
NO. RS-EGC RS0167(9) PLOTTED 02/29/88
SURVEYED BY MOREAU 01/86 0105
SHEET 89 OF 243 SHEETS

190+70 Lt
24" Maple
Save

24
225
221

190+67 Lt.
Combo pole

503.83

EDR | I-4 | RD | RD | I-4 | I-4 | EDR | EDR

-0.042 | +0.042

497.4 | 499.5

Approx. location of water overflow pipe

500

0.27' Lt.

Surv 190+50 =
Rev 190+43.81

190+34 Rt.
8" Pine
Remove

190+20 Rt.
6" Spruce
Remove

504.53

190+04 Lt.
18" Maple - Save

190+06 Rt
8" Pine
Remove

TSILL. HOUSE | EDR | DR | GARAGE

EDR | I-4 | RD | EDR | I-4 | S | I-4

Approximate location of existing water overflow pipe

500

-0.042 | +0.042

498.0 | 499.60

S1 Sa
A-4
Moist
5.0
NLTD

S1 Sa
A-4
Moist
9.0
NLTD

0.15' Rt.

Rt.

Surv 190+00 =
Rev 189+93.81

189+95 Rt.
6" Spruce
Remove

504.92

GARAGE | DR | DR | 3.50% | DR | EDR | RD | EDR

A | A

-0.042

498.2

189+73 Rt.
8" Pine
Remove

Rev 189+75 ~ Rev 190+70 Rt.
Existing water overflow pipe - Retain

500

0.37' Rt.

Surv 189+68 =
Rev 189+61.81

24'

12" Subbase *

Ditch | Grade | 500

SECTION
A-A

* 3" Subbase of Crushed Gravel (Fine Graded) over 9" Dense Graded Crushed Stone

Rev 189+57 Lt.
Construct Drive
(Gravel)

Rev 189+51 Lt. and
Rev 189+47 Lt.
Relocate Mailbox -
Single Support

505.10

189+62 Rt.
6" Spruce
Remove

GARAGE | EDR | EDR | I-4 | RD | EDR | I-4 | I-4 | HOUSE. TSILL

500

-0.042 | +0.042

498.3 | 499.3

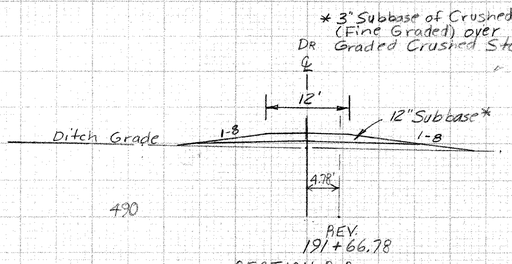
0.47' Rt.

189+45 Lt.
Combo pole
220
228

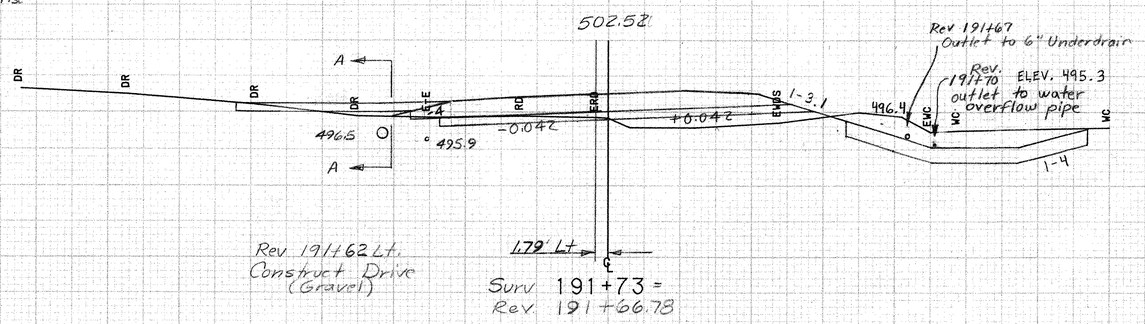
Surv 189+50 =
Rev 189+43.80

SCALE 10 FEET

FROM STA.	189+50 TO STA. 190+50
PROJECT NAME	MORETOWN-MIDDLESEX
NO.	RSEG RS0167(9) PLOTTED 02/29/88
SURVEYED BY	MOREAU 01/86 0105
SHEET	90 OF 243 SHEETS

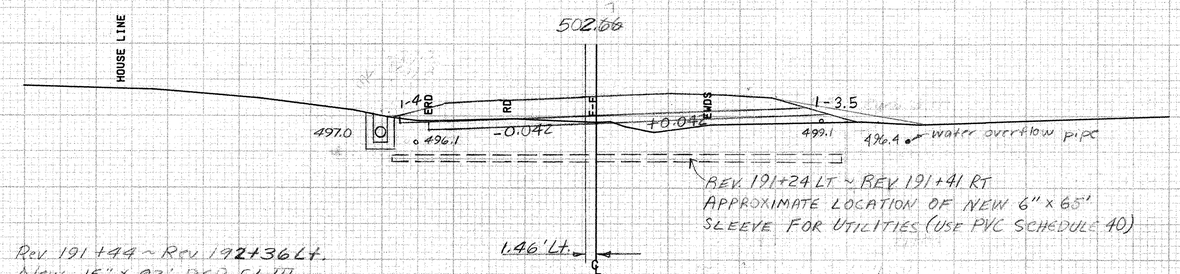


REV. 191+66.78
SECTION A-A



Rev 191+62 Lt.
Construct Drive
(Gravel)

Surv 191+73 =
Rev 191+66.78

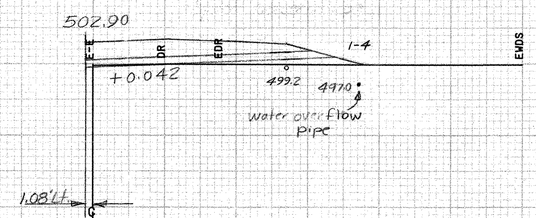


REV 191+24 LT ~ REV 191+41 RT
APPROXIMATE LOCATION OF NEW 6" x 65'
SLEEVE FOR UTILITIES (USE PVC SCHEDULE 40)

Rev 191+44 ~ Rev 192+36 Lt.
New 15" x 92' RCP CL III,
CSP(.064) OR CPEP(SL)

Surv 191+50 =
Rev 191+43.79

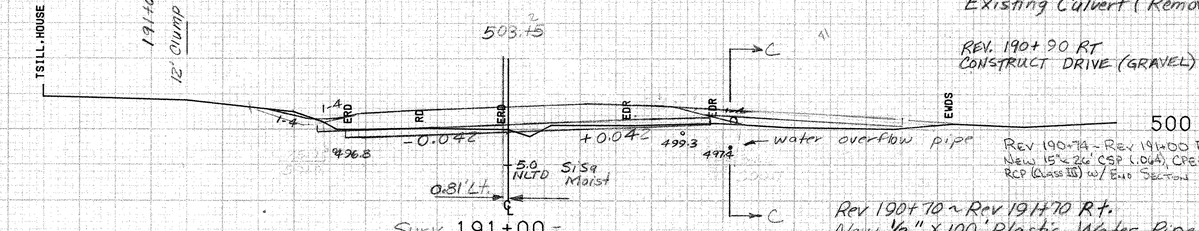
Rev 191+25 ~ Rev 191+62.5 Rt.
MELT



Surv. 191+22 =
Rev 191+15.80

Rev 191+03 ~ Rev 191+94 Rt.
Existing Culvert (Remove)

REV. 190+90 RT
CONSTRUCT DRIVE (GRAVEL)

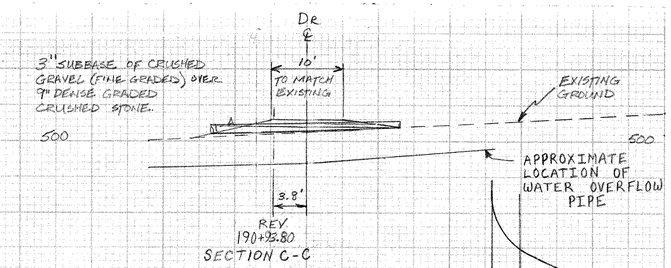


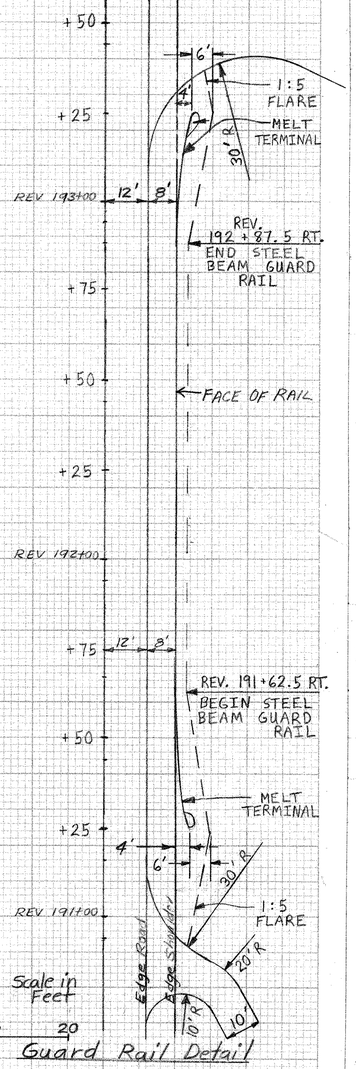
Surv 191+00 =
Rev 190+93.80

REV 190+79 ~ REV 191+00 Rt.
New 15" x 26' CSP (.064), CPEP (SL) or
RCP (Class III) w/ End Section & Invert

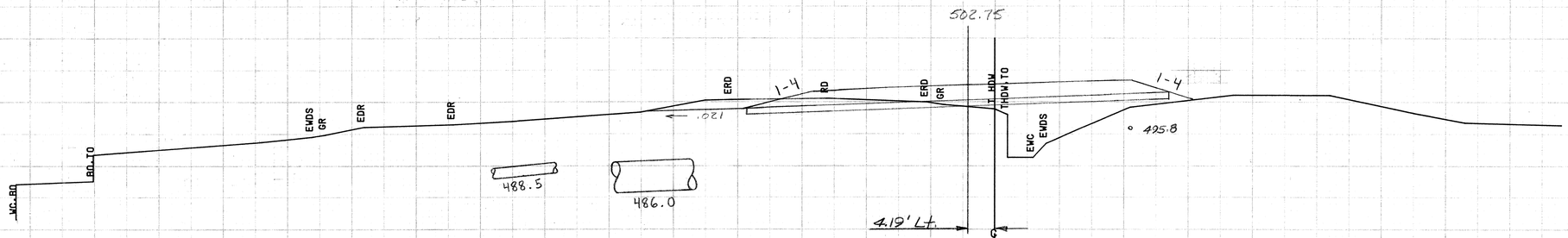
Rev 190+70 ~ Rev 191+70 Rt.
New ½" x 100' Plastic Water Pipe (Flexible
Water overflow pipe) Interept
existing pipe @ 190+70 Rt. w/
6" Sleeve For Utilities

SCALE 10 FEET



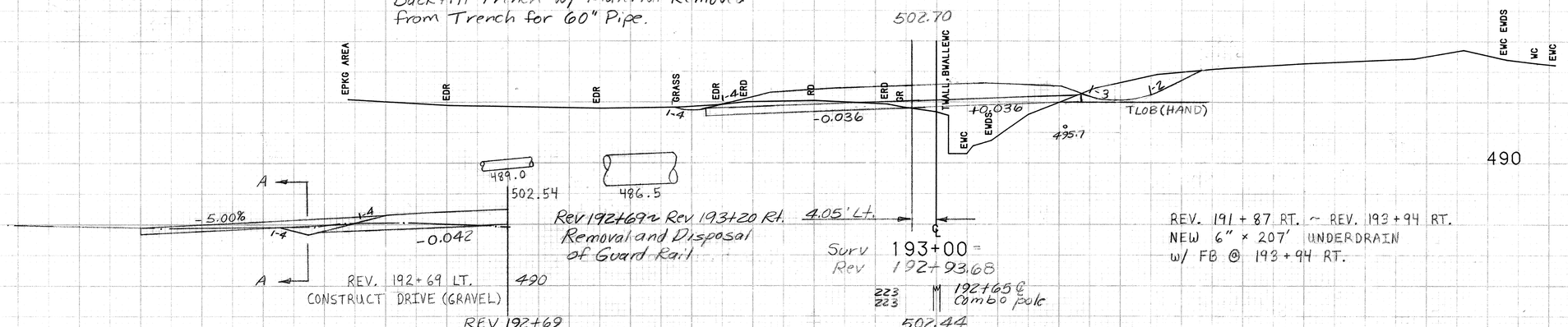


FROM STA. 191+00	TO STA. 191+73
PROJECT NAME	MORETOWN-MIDDLESEX
NO. RS BSC	RS0167 (9) PLOTTED 02/29/88
SURVEYED BY	MOREAU 01/86 0105
SHEET 91	OF 243 SHEETS



Rev 193+09 Lt.
Existing 48" RCP - Remove Pipe and Hdwl.
(Askew 52°33' Lt)
Backfill Trench w/ Material Removed
from Trench for 60" Pipe.

Surv 193+06 =
Rev 192+99.68



REV. 192+69 LT.
CONSTRUCT DRIVE (GRAVEL)

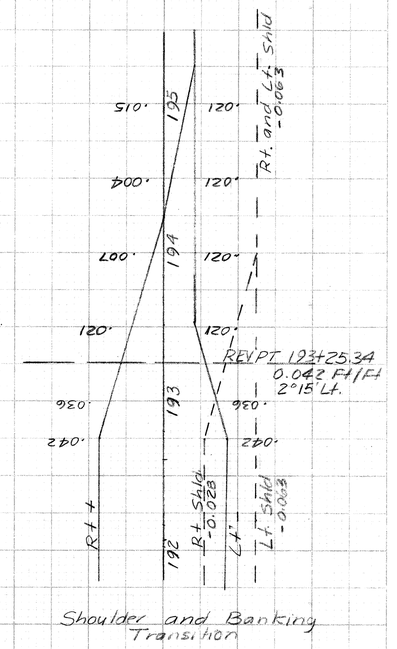
Rev 192+69 Rev 193+20 Rt. 4.05' Lt.
Removal and Disposal
of Guard Rail

Surv 193+00 =
Rev 192+93.68

223
223
192+65 ℄
Combo pole

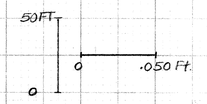
502.44

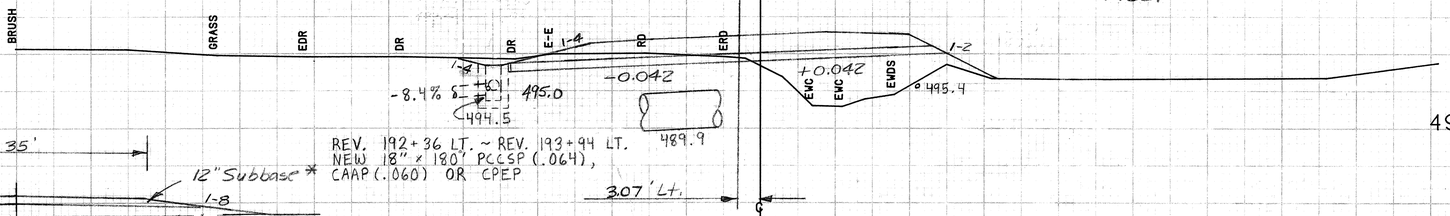
REV. 191 + 87 RT. ~ REV. 193 + 94 RT.
NEW 6" x 207' UNDERDRAIN
w/ FB @ 193 + 94 RT.



Rev 192+87.5 ~ Rev 193+25 Rt.
MELT

Shoulder and Banking Transition

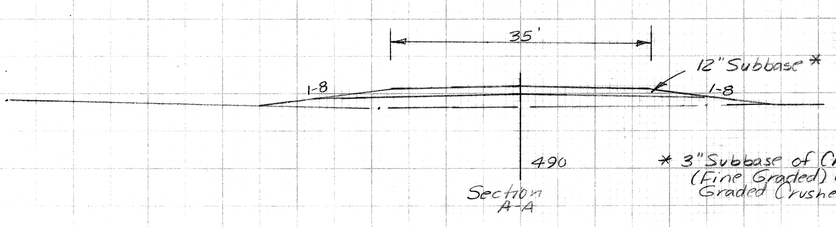




REV. 192+36 LT. ~ REV. 193+94 LT.
NEW 18" x 180' PCCSP (.064),
CAAP (.060) OR CPEP

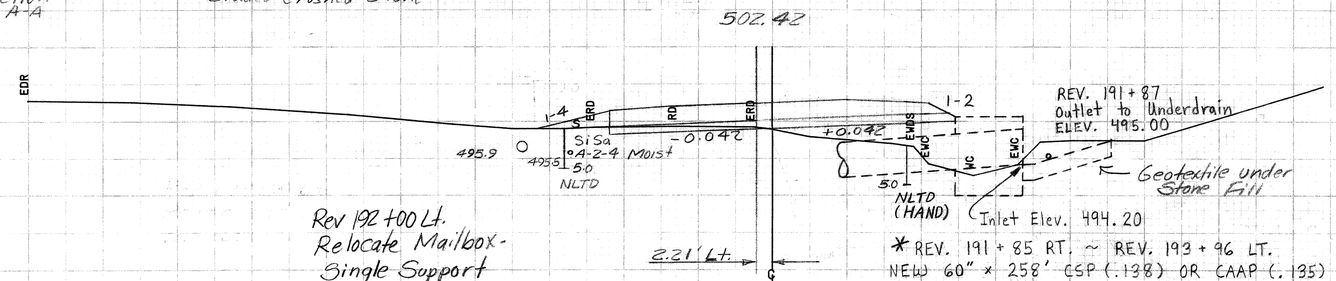
3.07' Lt.

Surv 192+50 =
Rev 192+43.72



Section A-A

* 3" Subbase of Crushed Gravel (Fine Graded) over 9" Dense Graded Crushed Stone



Rev 192+00 Lt.
Relocate Mailbox -
Single Support

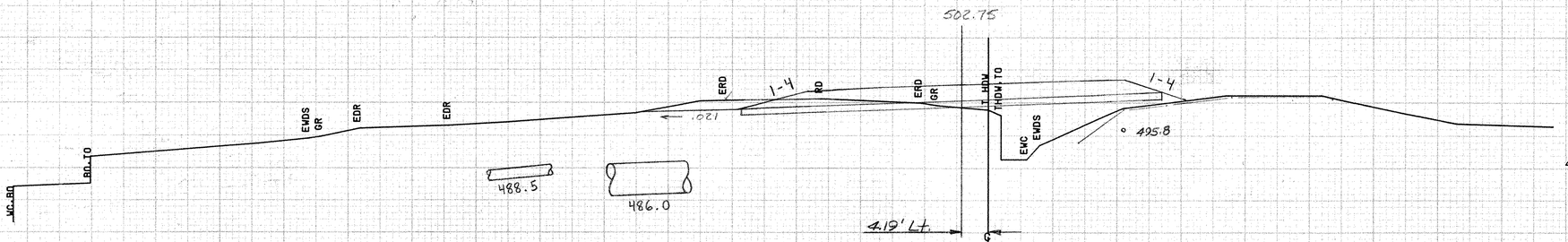
2.21' Lt.

Surv 192+00 =
Rev 191+93.76

* REV. 191 + 85 RT. ~ REV. 193 + 96 LT.
NEW 60" x 258' CSP (.138) OR CAAP (.135)
W/ INLET DITCH W/ STONE FILL, TYPE II
* (SEE SHEETS 66, 67 & 68 FOR CULVERT, CULVERT INLET AND HEADWALL DETAILS)

SCALE 10 FEET

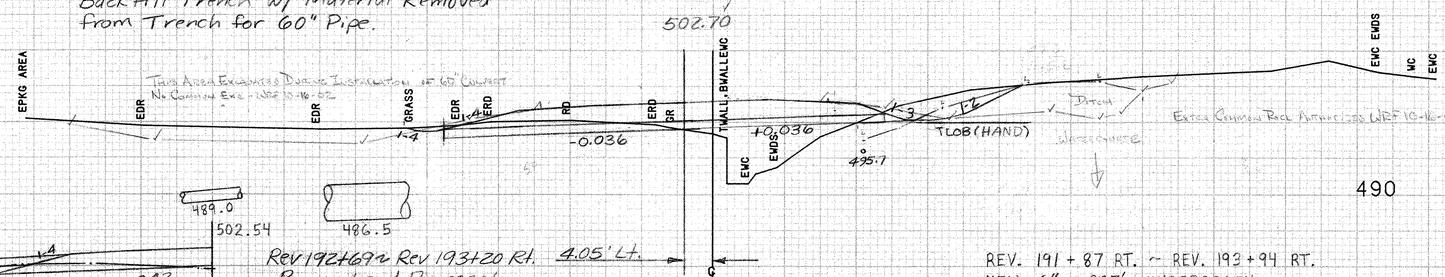
FROM STA. 192+00	TO STA. 193+06
PROJECT NAME	MORETOWN-MIDDLESEX
NO. RSEGCRS0167(9)	PLOTTED 02/29/88
SURVEYED BY	MOREAU 01/86 0105
SHEET 32 OF 243	SHEETS



Rev 193+09 Lt.
Existing 48" RCP - Remove Pipe and Hdwl.
(Askew 52°33' Lt)
Backfill Trench w/ Material Removed
from Trench for 60" Pipe.

Surv 193+06 =
Rev 192+99.68

490

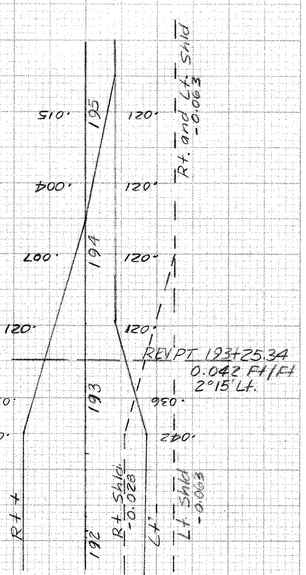


Rev 192+69 ≈ Rev 193+20 Rt. 4.05' Lt.
Removal and Disposal of Guard Rail

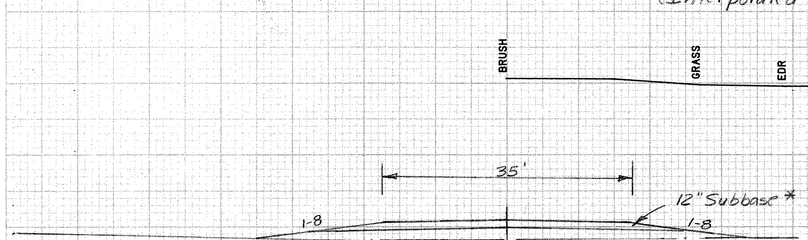
Surv 193+00 =
Rev 192+93.68

490

REV. 191 + 87 RT. ~ REV. 193 + 94 RT.
NEW 6" x 207' UNDERDRAIN
w/ FB @ 193 + 94 RT.

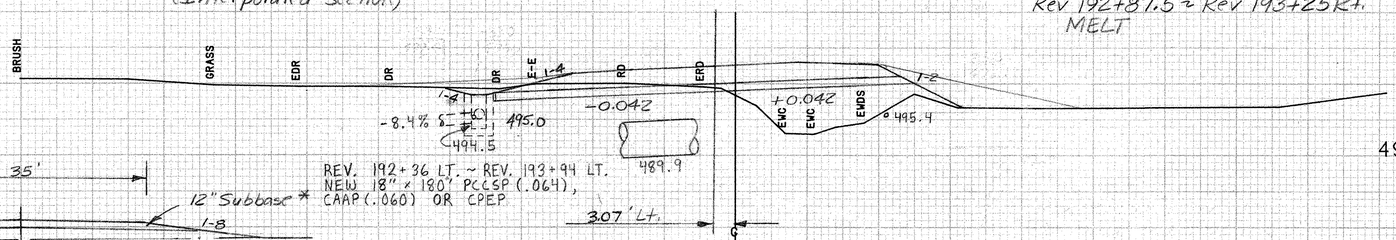


REV 192+69
(Interpolated Section)



Section A-A

* 3" Subbase of Crushed Gravel (Fine Graded) over 9" Dense Graded Crushed Stone



Rev 192+87.5 ≈ Rev 193+25 Rt.
MELT

Surv 192+50 =
Rev 192+43.72

490

REV. 192+36 LT. ~ REV. 193+94 LT.
NEW 18" x 180' PCCSP (.064),
CAAP (.060) OR CPEP

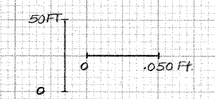
Rev 192+00 Lt.
Relocate Mailbox -
Single Support

Surv 192+00 =
Rev 191+93.76

490

* REV. 191 + 85 RT. ~ REV. 193 + 96 LT.
NEW 60" x 258' CSP (.138) OR CAAP (.135)
W/ INLET DITCH W/ STONE FILL, TYPE II
* (SEE SHEETS 66, 67 & 68 FOR CULVERT, CULVERT INLET AND HEADWALL DETAILS)

Shoulder and Banking Transition



SCALE 10 FEET

FROM STA. 192+00 TO STA. 193+06
PROJECT NAME MORETOWN-MIDDLESEX
NO. RSEGC RS0167 (9) PLOTTED 02/29/88
SURVEYED BY MOREAU 01/86 0105
SHEET 92 OF 243 SHEETS

502.57

192+75

DRILLING & BLASTING SUBGRADE

CROSS SECTION SHEET

PROJECT NAME: _____

PROJECT NUMBER: _____

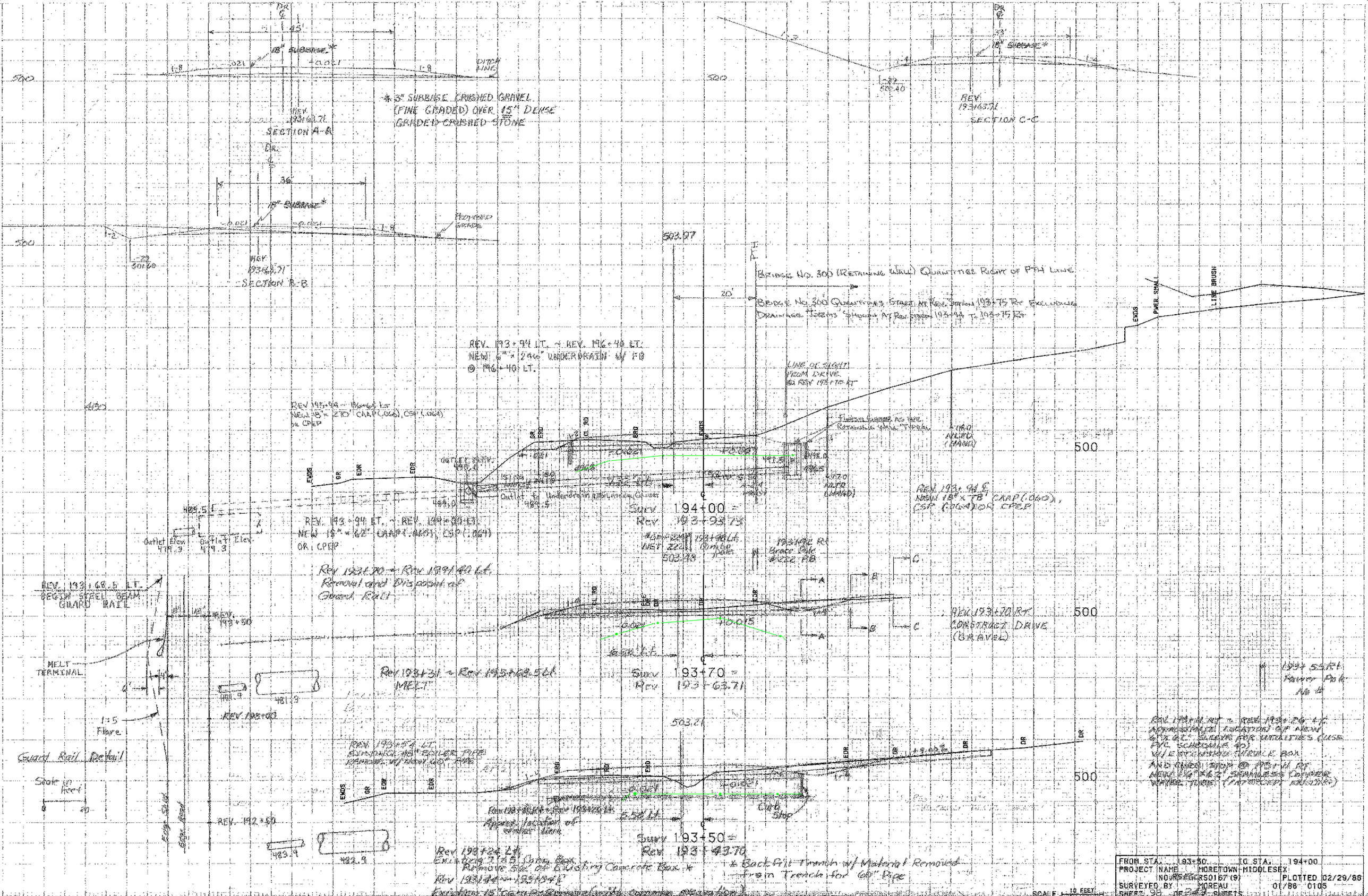
FILE NAME: M 192+75 PLOT DATE: 05-JUN-2000 09

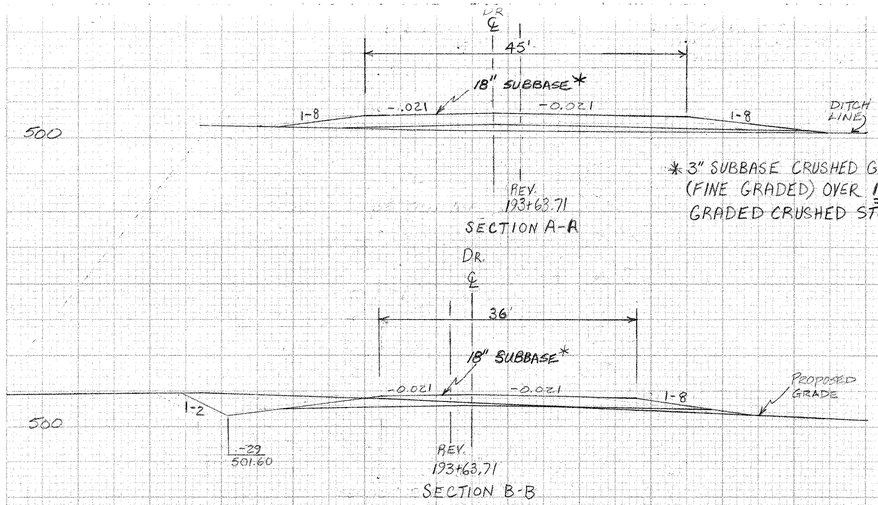
PROJECT LEADER: _____ DRAWN BY: STW

DESIGNED BY: _____ CHECKED BY: _____

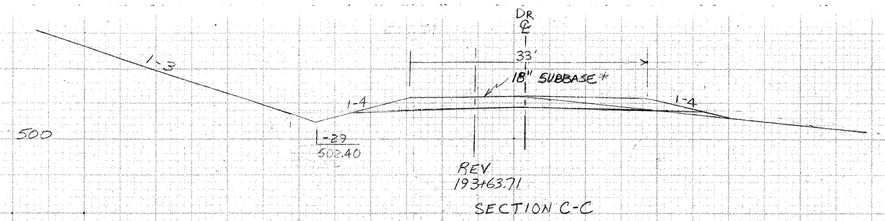
const: g:/common/cadd/e-xsection.dgn SHEET 92A OF _____

* 3" SUBBASE CRUSHED GRAVEL (FINE GRADED) OVER 15" DENSE GRADED CRUSHED STONE


REV. 193+94 LT. - REV. 196+40 LT.
NEW 6"x 24" UNDERDRAIN W/ FB
@ 196+40 LT.
REV 195+94 - Remove & Replace
NEW 18"x 270' CMP (.060), CSP (.064)
or CPEP
EXIST. 18" CMP
OUTLET ELEV. 482.6
EXIST. 18" CMP
OUTLET ELEV. 482.5
REV. 193+94 LT. - REV. 194+83.43
NEW 15"x 62' CMP (.060), CSP (.064)
OR CPEP
Outlet Elev. 479.9
Outlet Elev. 479.3
REV. 193+68.5 LT.
REGION STEEL BEAM GUARD RAIL
REV. 192+50
MELT TERMINAL
4'
1:5 Flare
Guard Rail Detail
Scale 1/8" = 1 foot
0
10
Edge Road
Edge Road
REV. 192+50
482.9
483.9
482.9
REV. 193+00
502.97
EXIST. 18" CMP
EXIST. 18" CMP
EXIST. 18" CMP



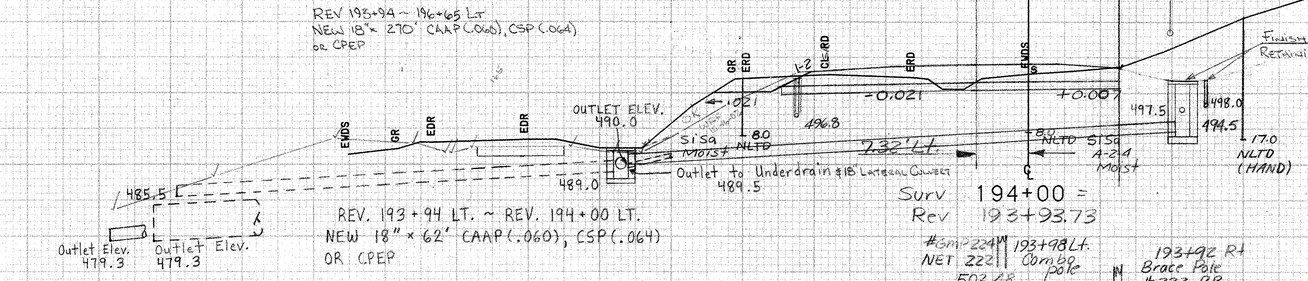
* 3" SUBBASE CRUSHED GRAVEL (FINE GRADED) OVER 15" DENSE GRADED CRUSHED STONE



REV. 193+94 LT. ~ REV. 196+40 LT.
NEW 6" x 246' UNDERDRAIN W/ FB @ 196+40 LT.

480

REV 193+94 ~ 196+65 LT
NEW 18" x 270' CAAP(.060), CSP(.064) or CPEP



REV. 193+94 LT. ~ REV. 194+00 LT.
NEW 18" x 62' CAAP(.060), CSP(.064) OR CPEP

Surv 194+00 =
Rev 193+93.73

#6MP224M NET 222 503.48 193+98 Lt. Combo pole

193+92 Rt Brace Pole #222 PB

REV. 193+94 ℄
NEW 18" x 78' CAAP(.060), CSP(.064) OR CPEP

500

503.97

BRIDGE NO. 300 (RETAINING WALL) QUANTITIES RIGHT OF PTH LINE

20'

BRIDGE NO. 300 QUANTITIES START AT REV. STATION 193+75 RT EXCLUDING DRAINAGE ITEMS SHOWN AT REV. STATION 193+94 TO 193+75 RT

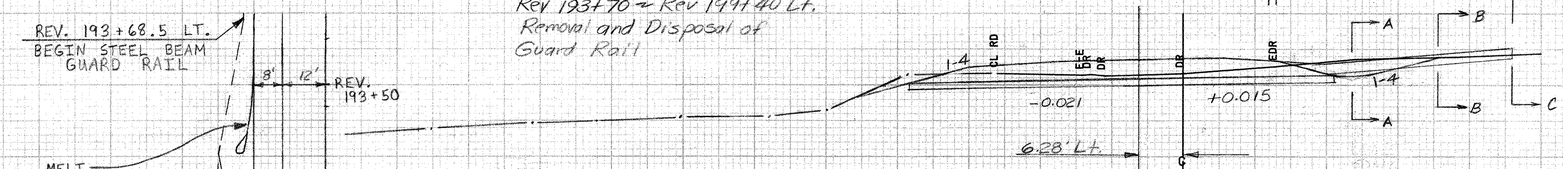
EWDS
PWER SMALL
LINE BRUSH

LINE OF SIGHT FROM DRIVE @ REV. 193+70 RT

Finish Grade As Per Retaining Wall Typical

500

REV. 193+70 RT
CONSTRUCT DRIVE (GRAVEL)

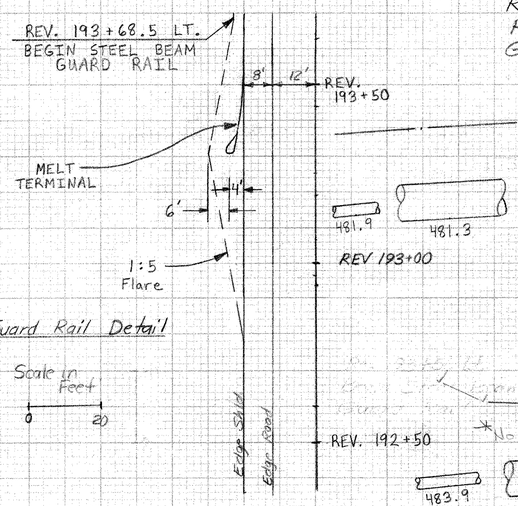


Rev 193+70 ~ Rev 199+40 Lt.
Removal and Disposal of Guard Rail

Surv 193+70 =
Rev 193+63.71

193+55 Rt
Power Pole
No #

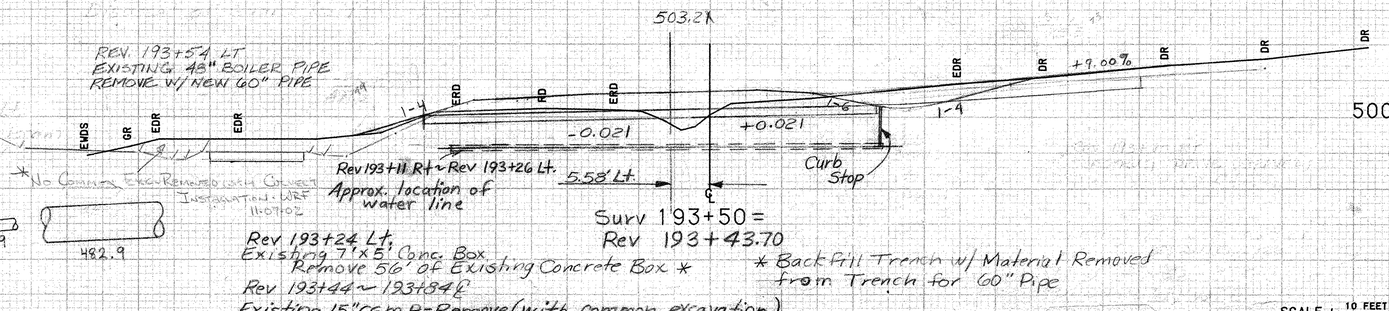
REV. 193+68.5 LT.
BEGIN STEEL BEAM GUARD RAIL



Guard Rail Detail
Scale in Feet
0 20

Rev 193+31 ~ Rev 193+68.5 Lt.
MELT

REV. 193+54 LT.
EXISTING 48" BOILER PIPE REMOVE W/ NEW 60" PIPE



* No Coming Elev. Removed with Culvert Installation. WRF 11-07-02

Surv 193+50 =
Rev 193+43.70

Rev 193+24 Lt.
Existing 7'x5' Conc. Box
Remove 56' of Existing Concrete Box *

Rev 193+44 ~ 193+84 ℄
Existing 15" CGMP - Remove (with common excavation)

* Back Fill Trench w/ Material Removed from Trench for 60" Pipe

500

REV. 193+11 RT ~ REV. 193+26 LT.
APPROXIMATE LOCATION OF NEW 6" X 62' SLEEVE FOR UTILITIES (USE PVC SCHEDULE 40) W/ EXTENSION SERVICE BOX AND CURB STOP @ 193+11 RT
NEW 1¼" X 62' SEAMLESS COPPER WATER TUBE. (INTERCEPT EXISTING)

SCALE 10 FEET

FROM STA. 193+50	TO STA. 194+00		
PROJECT NAME MORETOWN-MIDDLESEX			
NO. RSEGCRS0167(9)		PLOTTED 02/29/88	
SURVEYED BY MOREAU		01/86 0105	
SHEET 93 OF 243 SHEETS			

506.24

10.78' Lt.

℄

℄

BRIDGE NO. 300 QUANTITIES

195+22 Lt.
Combo
pole

221
225

195+33 Lt.
Power Pole
#0

EWDS

LINE OF SIGHT
FROM DRIVE
@ REV. 193+70 RT

Si
Moist

GR EWDS
EDR
EDR
GR
ERD
RD
RD
GR
ERD

-1.0
-1.021
-0.021
-0.015

Si Sa
Moist

494.5
498.9

14.0
NLTD

℄ 21.8 NLTD (HAND)

45.0
NLTD

Surv 195+00 =
Rev 194+93.79

195+28
(200' Rt.)
Power Pole

195+08
(168' Rt)
Steel Tower

195+00
(150' Rt)
Power
Pole

EWDS

POWER LINE

Sa Gr.
A-1-b
Moist

15.0

A-4
Sa Si
MOIST

11.0

A-4
Sa Si
MOIST

Si Sa
A-2-4
Moist

50.0

78.0
TLOB

75.0
NLTD

510

504.97

9.05' Lt.

℄

℄

BRIDGE NO. 300 QUANTITIES

20'

EWDS

LINE OF SIGHT
FROM DRIVE
@ REV. 193+70 RT

GR
EDR
EDR
GR
ERD
RD
RD
GR
ERD

-1.0
-1.021
-0.021
-0.004

492.0
497.9

Surv 194+50 =
Rev 194+43.76

194+83 Rt.
Power Pole
No #

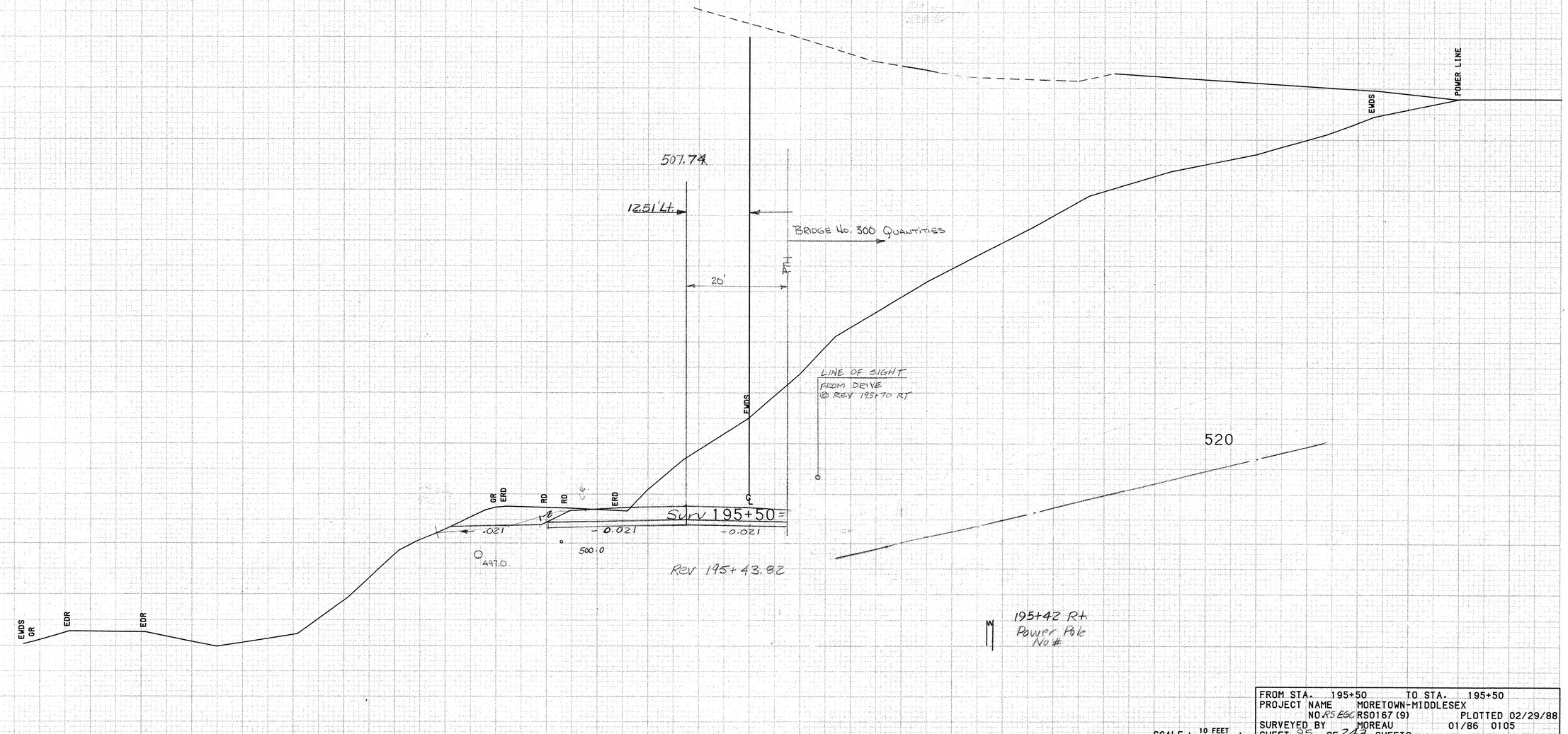
EWDS

POWER LINE

510

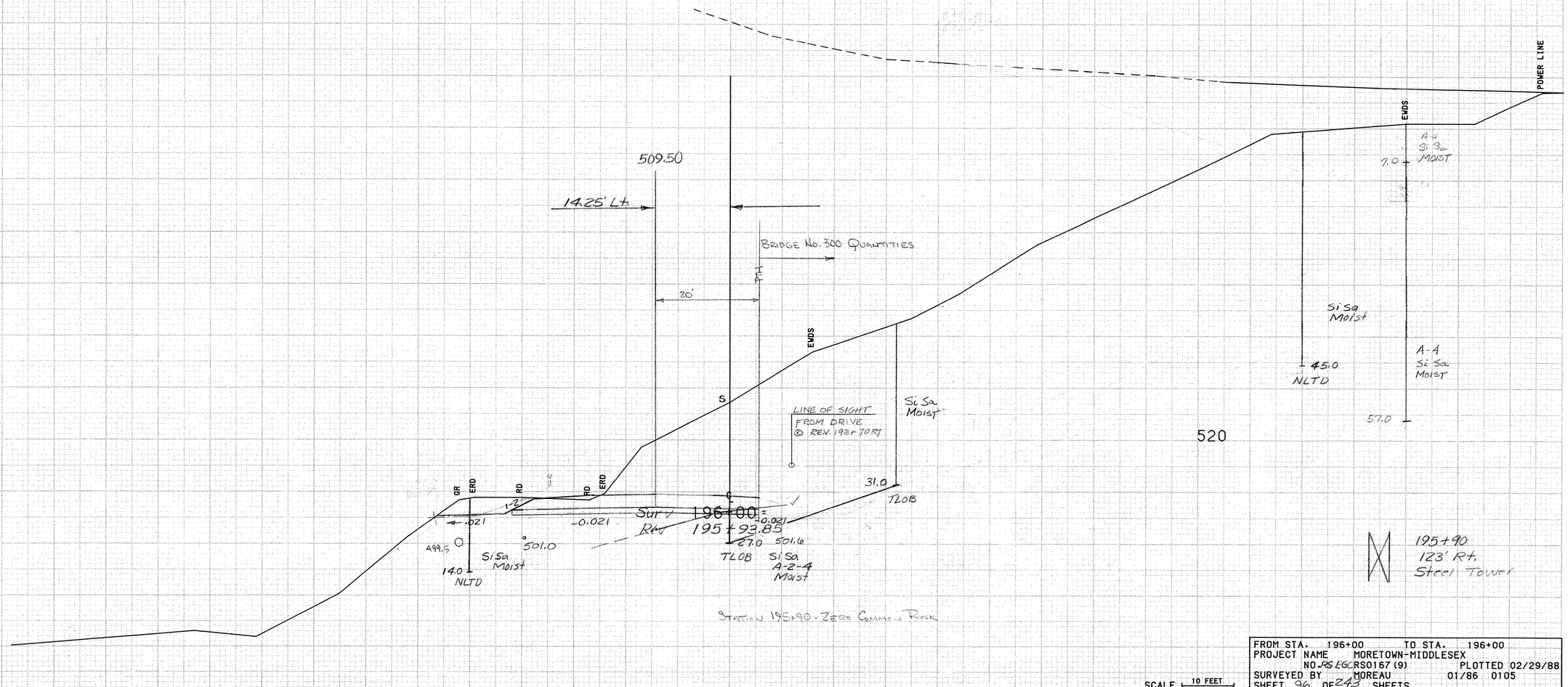
FROM STA. 194+50 TO STA. 195+00
PROJECT NAME MORETOWN-MIDDLESEX
NO. RSEGC RS0167(9) PLOTTED 02/29/88
SURVEYED BY MOREAU 01/86 0105
SHEET 94 OF 243 SHEETS

SCALE 10 FEET



FROM STA. 195+50	TO STA. 195+50
PROJECT NAME	MORETOWN-MIDDLESEX
NO. RS EGC	RS0167(9) PLOTTED 02/29/88
SURVEYED BY	MOREAU 01/86 0105
SHEET 95	OF 243 SHEETS

SCALE 10 FEET



STATION 195+90 - ZERO COMMON POINT

SCALE 10 FEET

FROM STA. 196+00	TO STA. 196+00
PROJECT NAME	MORETOWN-MIDDLESEX
NO. RS EGC RS0167(9)	PLOTTED 02/29/88
SURVEYED BY	MOREAU 01/86 0105
SHEET 96 OF 243 SHEETS	

510.50
POWER LINE
ENDS
LEDGE
LEDGE
LEDGE
END
END
END
ENDS
510
PROBED ON 5/31/01
196+42, 3' LT @ 502.8
LEDGE @ 196+46, 20' RT @ 502.8
196+38, 20' RT @ 506.4
Start 196+50
Rev 196+50.89
FROM STA. 196+50 TO STA. 196+50
PROJECT NAME MORETOWN-MIDDLESEX
NO. RS0167(9) PLOTTED 02/29/88
SURVEYED BY MOREAU 01/86 0705
SHEET 37 OF 44 SHEETS
SCALE 10 FEET

POWER LINE

ENDS

511.50

15.98' Lt.

BRIDGE No. 300 QUANTITIES EXCLUDING

DROP INLET AND 18" CROSS PIPE

20'

14'

LINE OF SIGHT
FROM DRIVE
@ REV. 193+70 RT

196+50
Lt.
Combo
Pbk

ENDS

138A
220
226

FINISH GRADE AS PER
RETAINING WALL TYPICAL

510

GR
END

RD

ERD

-0.021

-0.021

503.2

503.7

502.0

504.7

LEDGE

LEDGE

LEDGE

Surv 196+50 =
Rev 196+43.88

REV 196+65 &
NEW 18"x60' CMAP (.060), PCCSP(.064) OR CPEP (SL)

196+46 Lt
Power Pole
No #

SCALE 10 FEET

FROM STA. 196+50 TO STA. 196+50
PROJECT NAME MORETOWN-MIDDLESEX
NO. RS EGC RS0167(9) PLOTTED 02/29/88
SURVEYED BY MOREAU 01/86 0105
SHEET 97 OF 243 SHEETS

197+27
(210' RT)
Power Pole
No #

197+45 RT.
GMP
#165
(171' RT)

513.75

17.71' Lt.

BRIDGE No. 300 QUANTITIES

PTH

EWDS

POWER LINE

EWDS

S

Si A-4
Moist

LINE OF SIGHT
FROM DRIVE
@ REV. 193+70 RT

℄

Surv 197+00 = Rev 196+93.91

GR.O
ERD.

RD

ERD

-.021

-0.021

-0.021

Si
A-4 Moist
14.0
NLTD

35.0 NLTD

Si
Moist

31.0
TLOB

530

A-4
Si Sa
MOIST
A-2-4
6.0
9.0
Si Sa Gr
MOIST

A-4
Si Sa
MOIST

59.0 LEDGE OR BOULDER

SCALE 10 FEET

FROM STA.	197+00	TO STA.	197+00
PROJECT NAME	MORETOWN-MIDDLESEX		
NO. RS EGC	RS0167(9)	PLOTTED	02/29/88
SURVEYED BY	MOREAU	01/86	0105
SHEET 98	OF 243 SHEETS		

518.75

BRIDGE NO. 300 QUANTITIES

20'

21.18' Lt.

LINE OF SIGHT
FROM DRIVE
@ REV. 193+70 ET

EMOS

Si
Moist

30.0
NLTD

Si
Moist

Rev 197+93.97 Rt.
End Erosion Matting
(on 1-3 slope)

510

GR
ERD
RD
RD
ERD

-0.010

-0.021

1:1.5

Si Sa
Moist
8.0
NLTD

A-2-4

Si Sa
Moist
14.0
NLTD

35.0
NLTD

Rock Fill Encountered on Project

Surv 198+00 =
Rev 197+93.97

REV. STA. 197+93.97 CL ~ REV. STA. 198+75 C.L.
REMOVAL OF PAVEMENT 0-2' BELOW SUBGRADE
(PAID AS COMMON EXCAVATION)

60

Rev 198+00 Lt.
Begin Grubbing Material

516.84

Combo
Pole
219
227

197+87
Lt.

19.44' Lt.

BRIDGE NO. 300 QUANTITIES

20'

197+70 Lt.
Steel Tower

EMOS

LINE OF SIGHT
FROM DRIVE
@ REV. 193+70 RT

520

GR
ERD
RD
ERD

.021

-0.019

-0.021

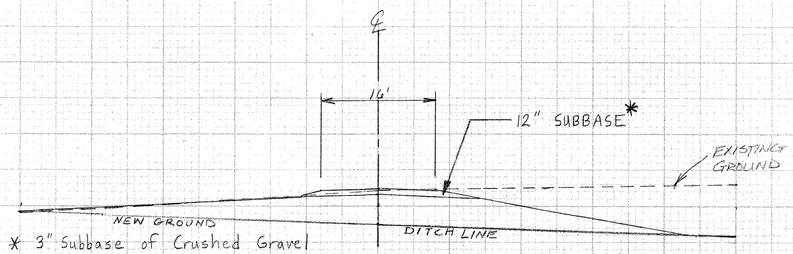
Surv 197+50 =
Rev 197+43.94

197+45 Lt.
Power Pole

197+45 Rt.
Power Pole

SCALE 10 FEET

FROM STA. 197+50	TO STA. 198+00
PROJECT NAME	MORETOWN-MIDDLESEX
NO. RS 66C	RS0167(9) PLOTTED 02/29/88
SURVEYED BY	MOREAU 01/86 0105
SHEET 99	OF 243 SHEETS



* 3" Subbase of Crushed Gravel (Fine Graded) over 9" Dense Graded Crushed Stone

SECTION A-A

520

199+00

REV. 198+85

198+00

198+67 Lt.
Combo pole
227
2

BRIDGE No. 300 QUANTITIES REVISED STATION 198+50.00 BACK

521.09

20'

22.91' Lt.

PTH

EXDS

POWER LINE

REV. 198+75 LT.
BEGIN SCARIFYING PAVEMENT

18" GRUBBING MATERIAL

1:1.5

6.0%

EXR

ROCK FILL ENCOUNTERED ON PROJECT

CR

EXRD

RD

+0.004

-0.021

BERM INSTALLED LATER AT END OF SOIL NAIL WALL

PTH WIDTH VARIES

REV. 198+85 RT.
CONSTRUCT DRIVE (GRAVEL)

520

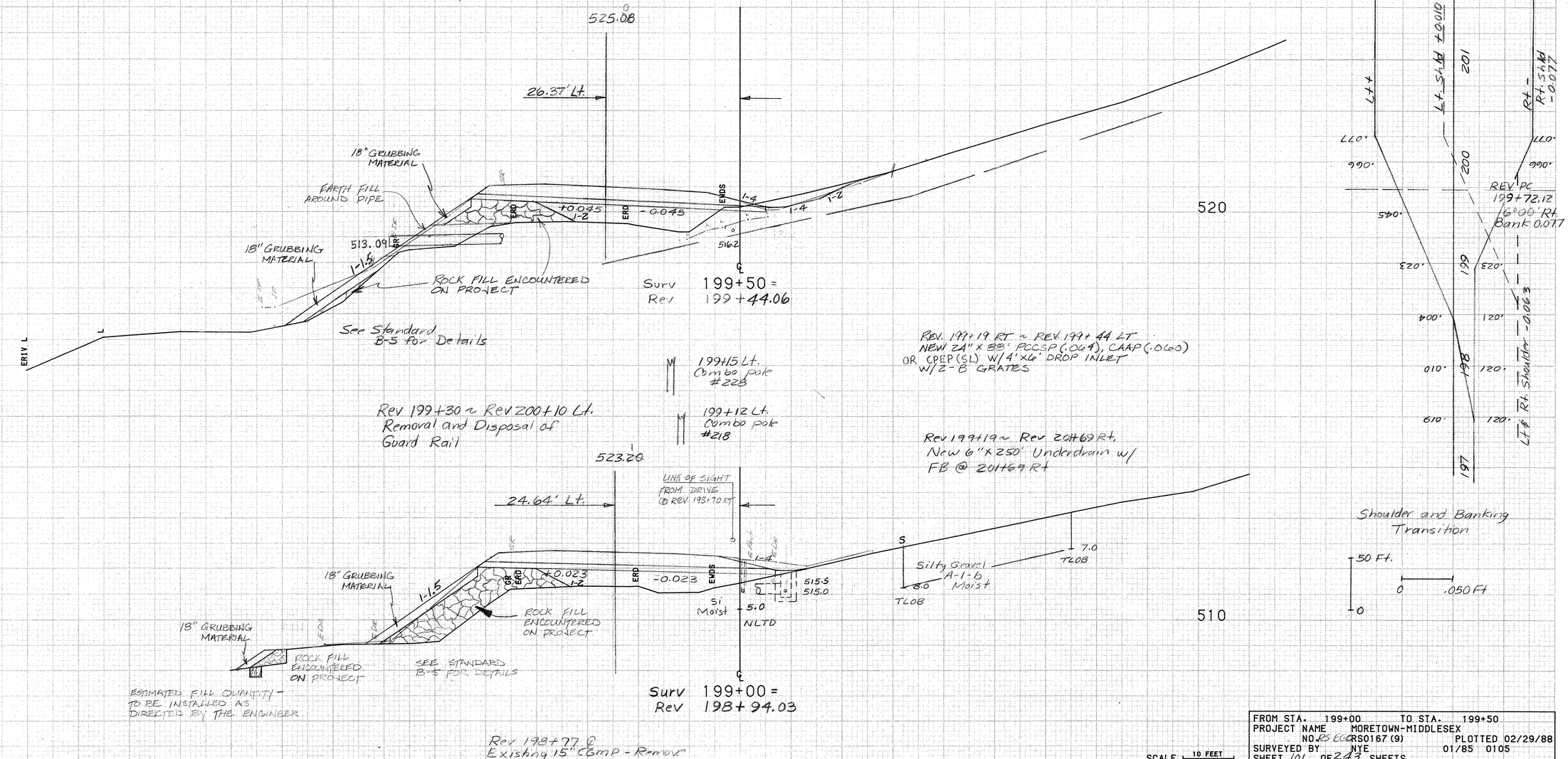
Surv 198+50 = A

Rev 198+44.00

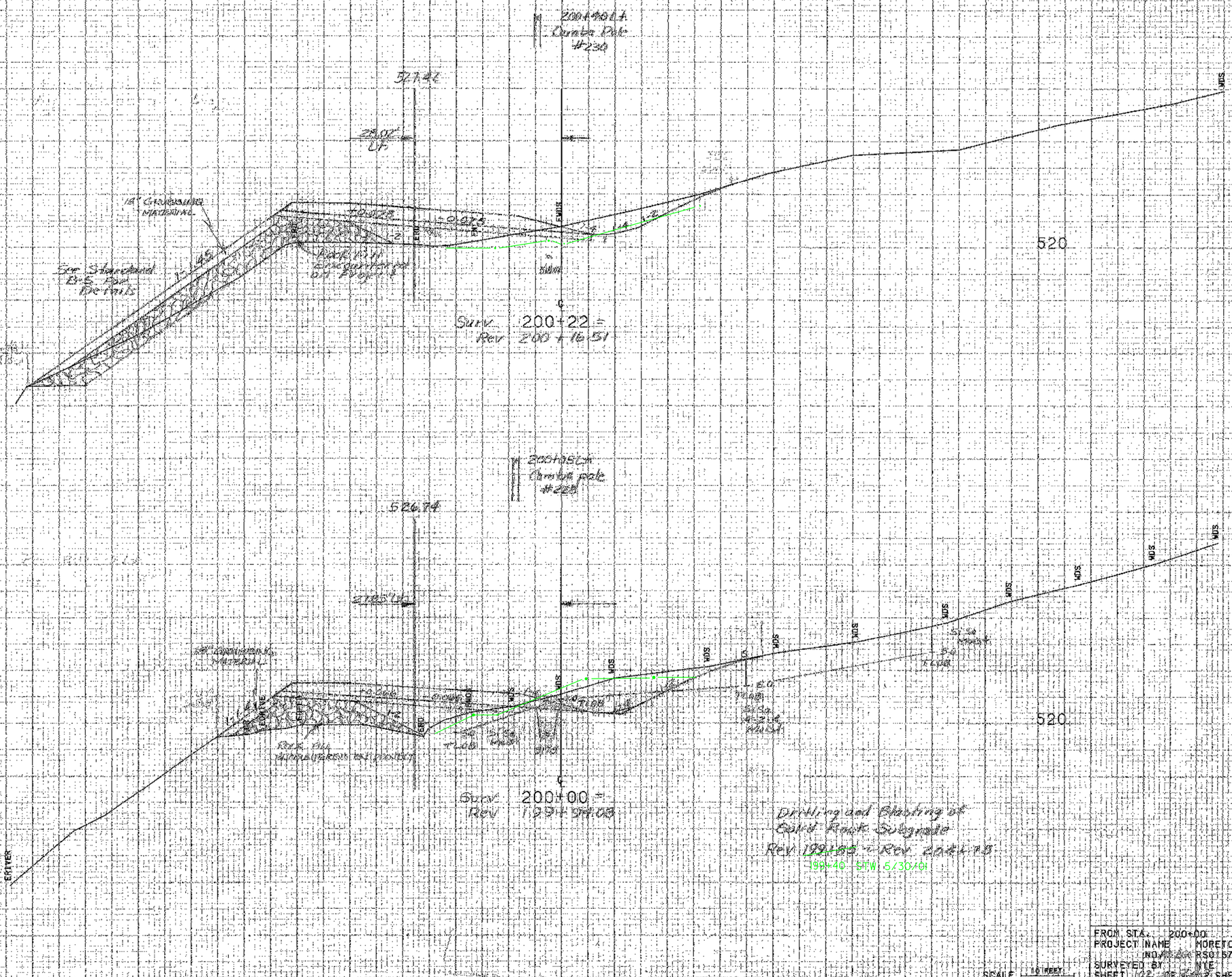
198+50 Rt.
Gate For Woven Wire Fence (16' Wide)
(2-8' Gates w/ Opening in Middle)

SCALE 10 FEET

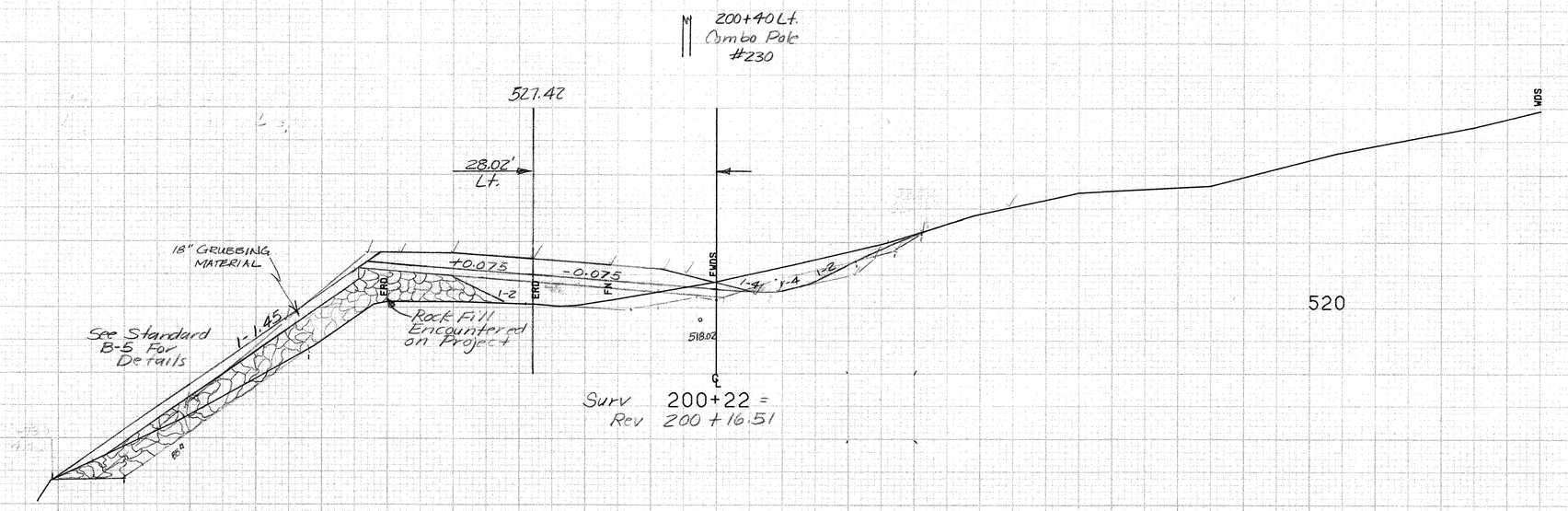
FROM STA.	198+50	TO STA.	198+50
PROJECT NAME	MORETOWN-MIDDLESEX		
NO.	RS ECRS0167 (9)	PLOTTED	02/29/88
SURVEYED BY	MOREAU	01/86	0105
SHEET 100 OF 243 SHEETS			

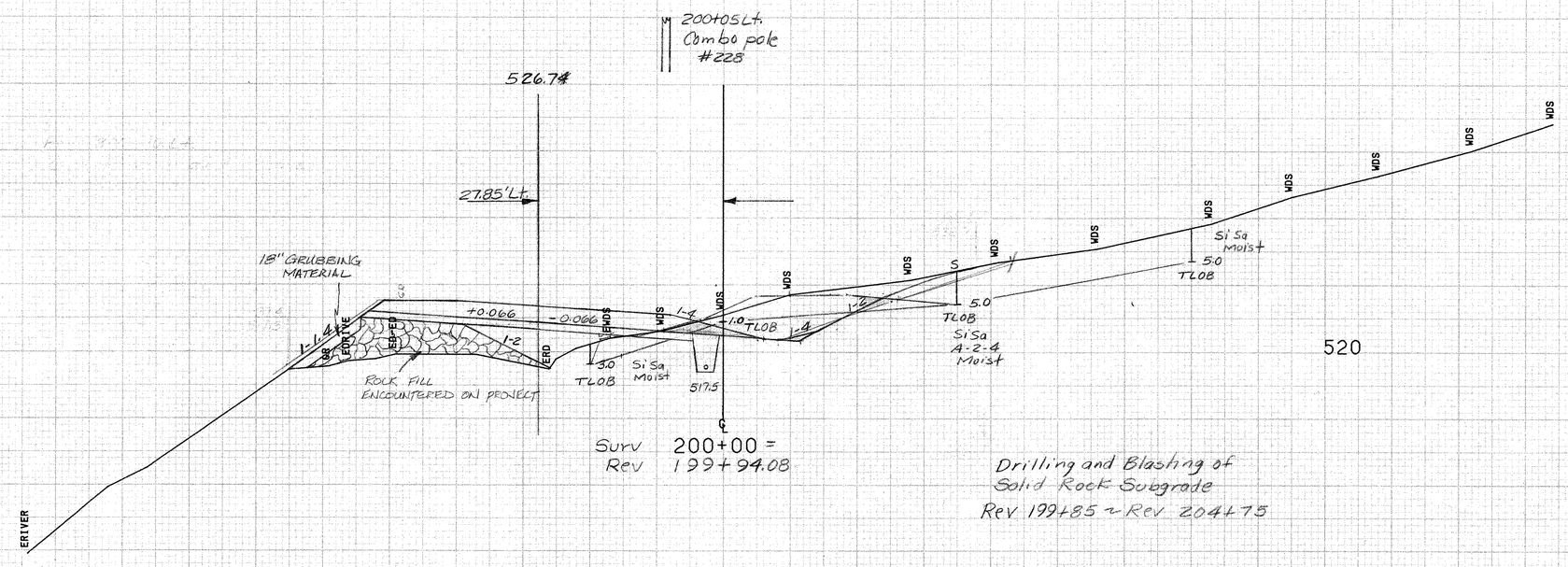


FROM STA. 199+00	TO STA. 199+50
PROJECT NAME	MORETOWN-MIDDLESEX
NO.	RS0167 (9)
SURVEYED BY	NYE
SHEET /01 OF	243 SHEETS
	PLOTTED 02/29/88
	01/85 0105



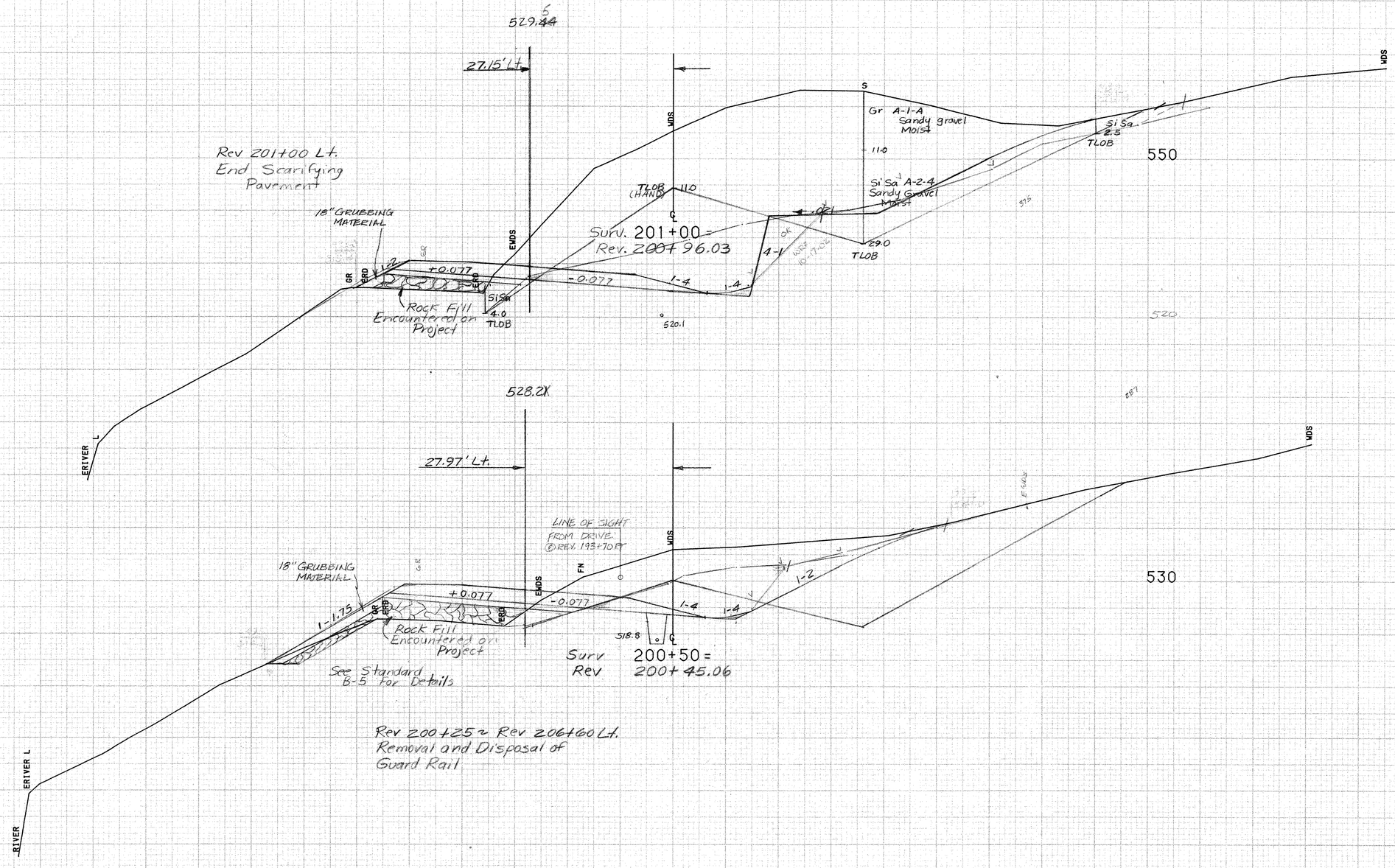
FROM STA. 200+00 TO STA. 200+22
PROJECT NAME MORETOWN-MIDDLESEX
NO. RS0157(9) PLOTTED 02/29/88
SURVEYED BY NYE 01/85 0103
SCALE 10 FEET SHEET 02 OF 2 SHEETS





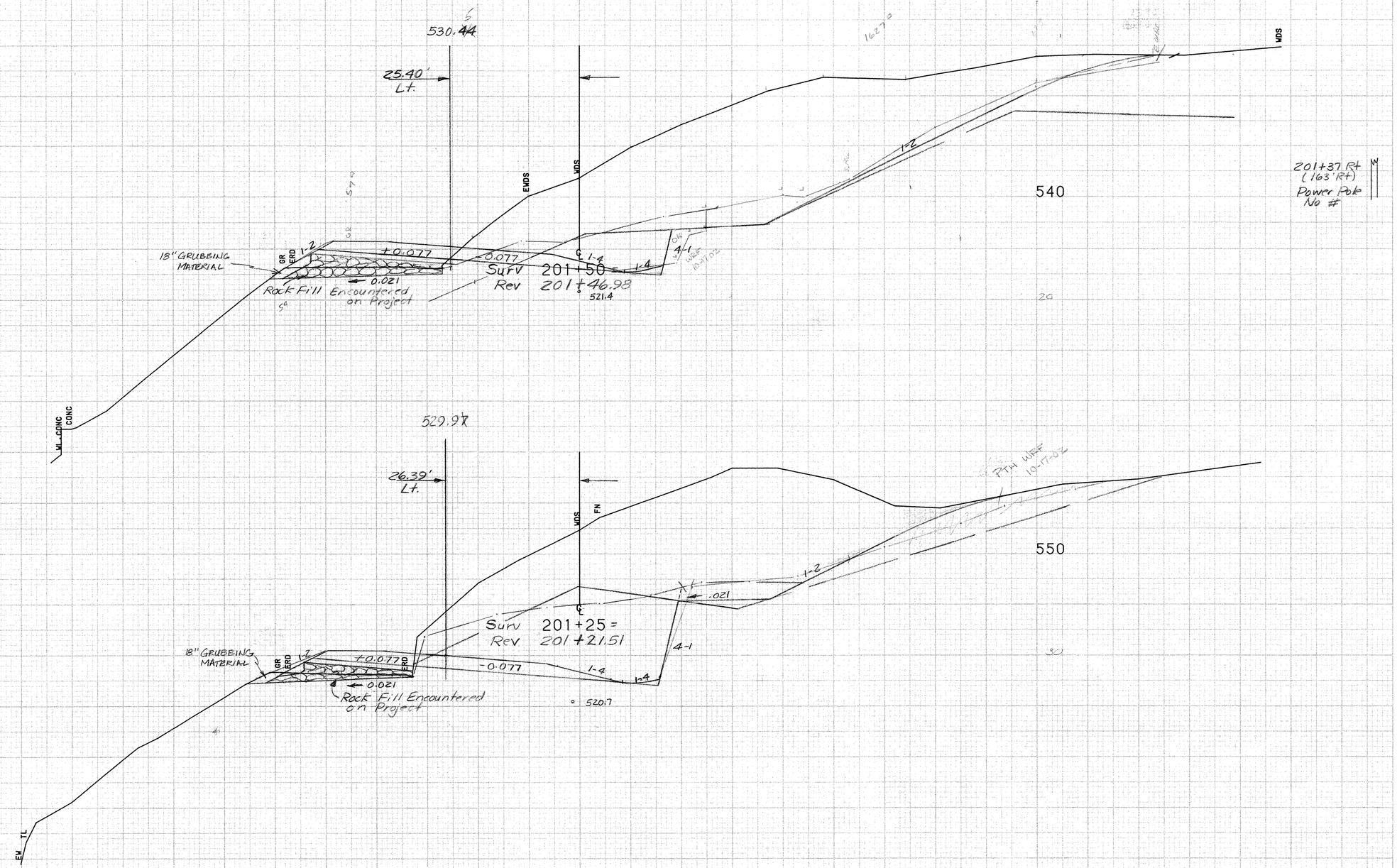
FROM STA. 200+00	TO STA. 200+22
PROJECT NAME	MORETOWN-MIDDLESEX
NO. RS EGC	RS0167 (9) PLOTTED 02/29/88
SURVEYED BY	NYE 01/85 0105
SHEET 102 OF 243 SHEETS	

SCALE 10 FEET



FROM STA.	200+50 TO STA. 201+00
PROJECT NAME	MORETOWN-MIDDLESEX
NO.	RS 0167 (9) PLOTTED 02/29/88
SURVEYED BY	NYE 01/85 0105
SHEET 103	OF 243 SHEETS

SCALE 10 FEET



FROM STA. 201+25	TO STA. 201+50
PROJECT NAME	MORETOWN-MIDDLESEX
NO. R5 EGC	RS0167(9) PLOTTED 02/29/88
SURVEYED BY	NYE 01/85 0105
SHEET 104	OF 243 SHEETS

SCALE 10 FEET

531.21

22.70' Lt.

Rev 202+00 ~ Rev 204+00 Lt.
New 6" x 200' Underdrain
w/ FB @ 204+00 Lt.

LINE OF SIGHT
FROM DRIVE
@ REV. 193+70 RT

18" GRUBBING MATERIAL

GR

ERD

1:1.5

+0.077

ERD

EWDS

-0.077

1:4

1:4

524.0

Rock Fill Encountered on Project

SiSa

9.0 NLTD

5B

SiSa Moist

8.0 NLTD

SDW

FN

SDW

EWDS

SA GR
A-1-b
Moist

17.0
TLOB

1:2

23.0
TLOB
(HAND)

11.0
TLOB
(HAND)

522.7

530

Surv 202+00 =
Rev 201+97.90

Rev 202+00 Lt.
End Grubbing Material

RIVER

RIVER WL

CONC

530.95

23.83' Lt.

18" GRUBBING MATERIAL

1:2

ERD

+0.070

TOP BD

EWDS

-0.077

1:4

1:4

ONE MILE SHOP

520.6

Outlet to underdrain Carrier pipe

-0.021

522.5

522.0

522.0

530

1:2

1609

ROCK FILL ENCOUNTERED ON PROJECT

Surv 201+81 =
Rev 201+78.55

STONE FILL, TYPE II
6' WIDE

SF

RIVER

REV. 201+79 ~ REV. 203+99 RT.
NEW 6" x 222' UNDERDRAIN
W/FB @ 203+99 RT.

REV. 201+79 Lt.
NEW 15" x 76' RCCSP (.064), (PEP(SL) OR
CAAP (.060) W/ STONE FILL, TYPE II @ OUTLET

REV. 201+80 ~ REV. 202+00 LT.
NEW 6" x 34' UNDERDRAIN CARRIER
PIPE W/FB @ 202+00 LT.

REV. 201+80 LT.
EXISTING 12" CGMP - REMOVE W/ COMMON EXCAVATION

SCALE 10 FEET

FROM STA. 201+81	TO STA. 202+00		
PROJECT NAME	MORETOWN-MIDDLESEX		
NO. RS EGC	RS0167(9)	PLOTTED	02/29/88
SURVEYED BY	NYE	01/85	0105
SHEET 105 OF 243 SHEETS			

209
208
207
206
205
204
203
202
201

Rt. Shld +0.063

Rt. Shld -0.063

Lt. Shld -0.063

Lt. Shld +0.010

Rt. Shld -0.077

Rev PC 204+75.78
8°30' Lt
Bank 0.063 Ft/Ft

Rev PT 202+71.86
6°00' Rt
Bank 0.077 Ft/Ft

820' 500' 810' 770' 690' 770' 820' 500' 810' 770' 690' 770' 150' 150'

WL ERIV EBRUSH

WL RIVER

Shoulder and Banking Transition

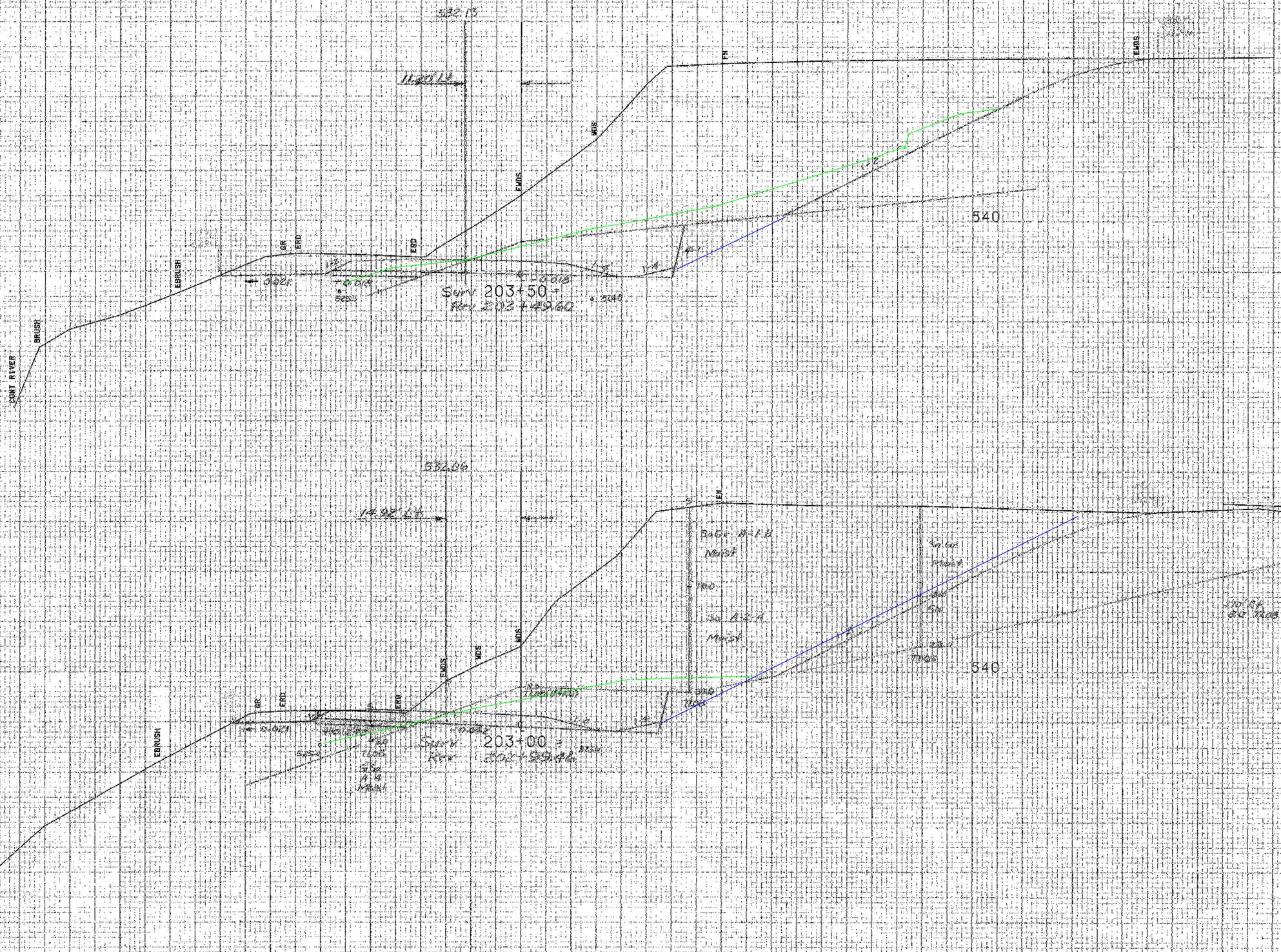
50 FT
0
0.050 FT
0

531.75
19.07' Lt.
202+75 Lt.
Velco #297 (2 poles)
EMDS
FN
VDS
EMDS
GR
ERD
END
+0.064
-.021
524.5
Surv 202+50 = 523.1
Rev 202+48.76
540
202+43 Lt.
Combo Pole
215
231

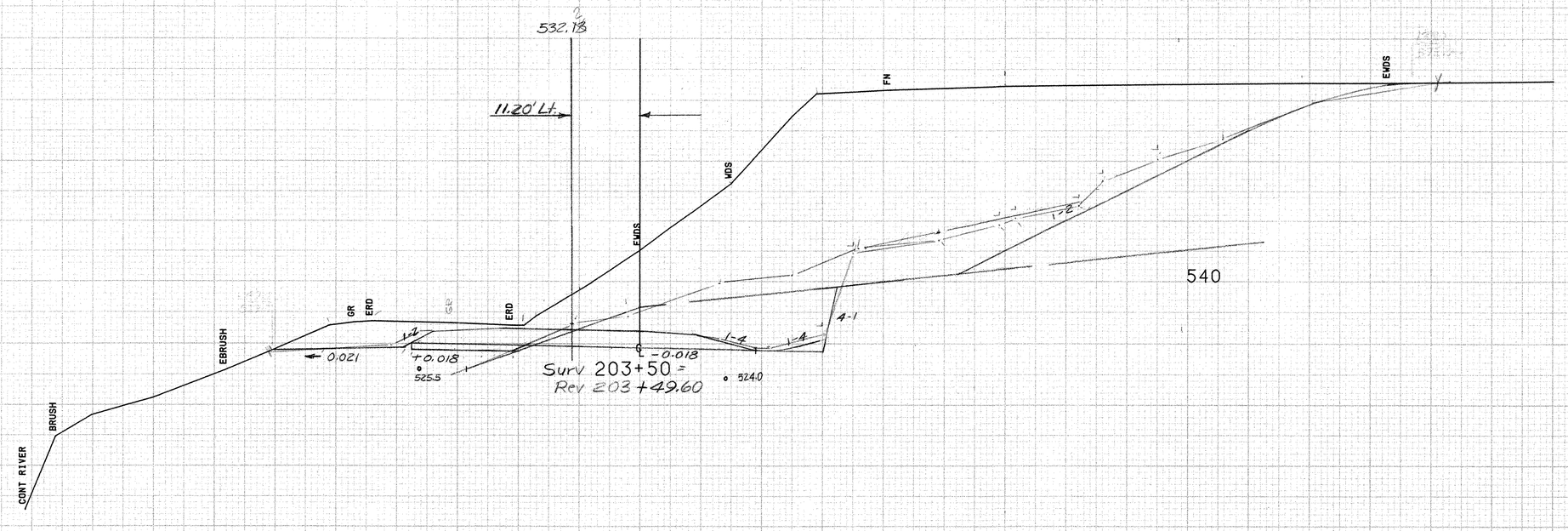
531.51
21.00' Lt.
EMDS
VDS
EMDS
ERD
END
+0.077
-0.077
524.3
Surv 202+25 = 522.9
Rev 202+29.33
540

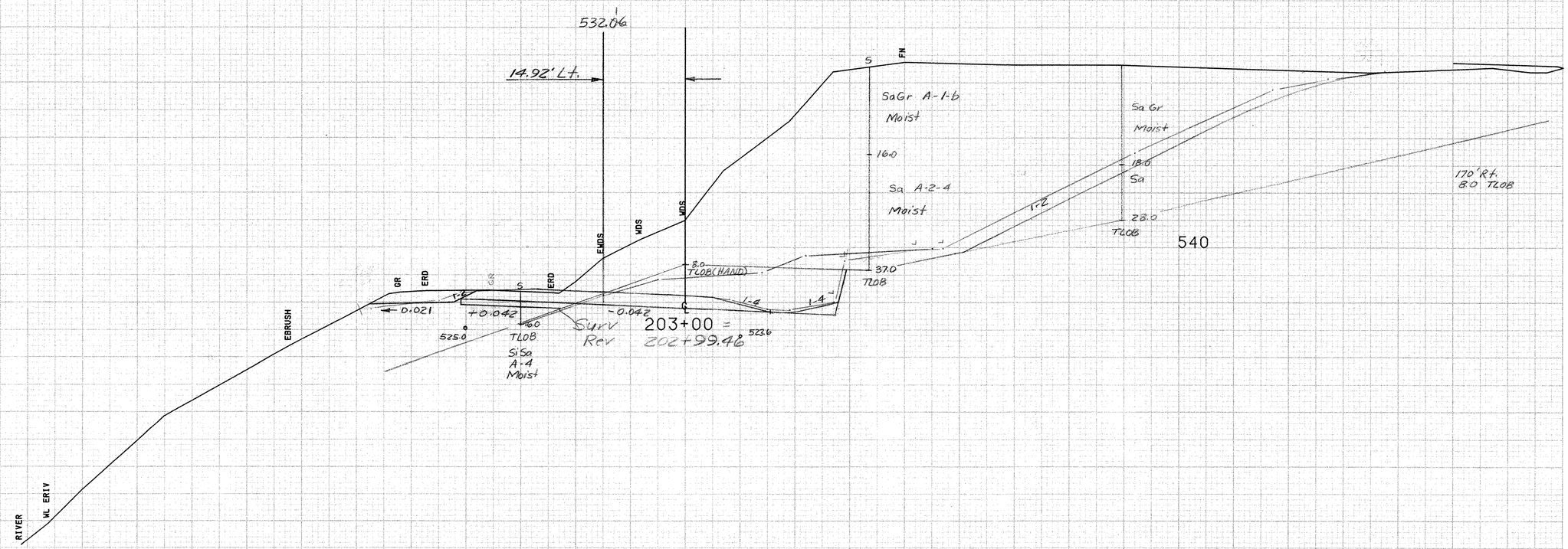
SCALE 10 FEET

FROM STA. 202+25 TO STA. 202+50
PROJECT NAME MORETOWN-MIDDLESEX
NO. RS EGC RS0167 (9) PLOTTED 02/29/88
SURVEYED BY NYE 01/85 0105
SHEET 106 OF 243 SHEETS



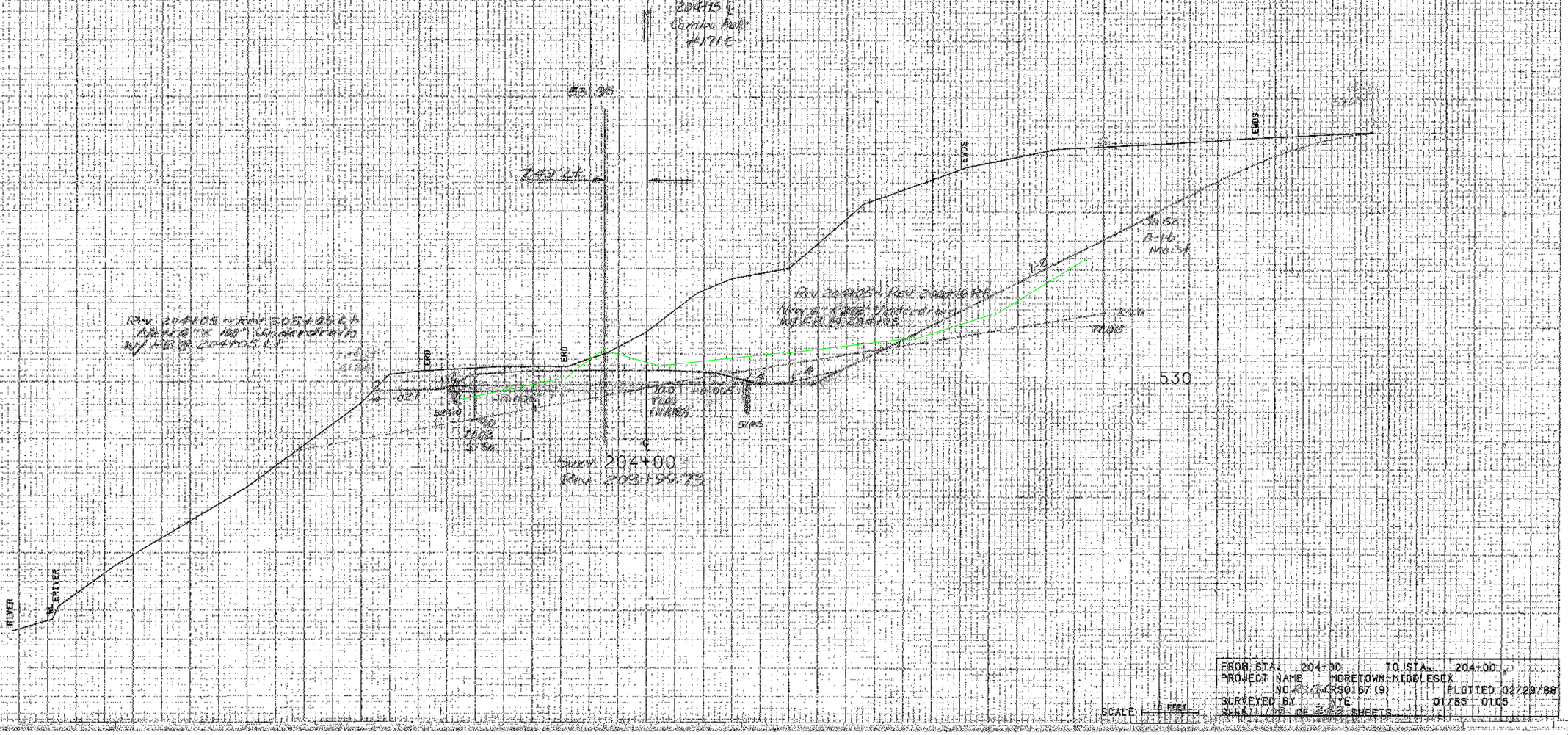
FROM STA. 203+00 TO STA. 203+50
PROJECT NAME MORETOWN-MIDDLESEX
NO. & TYP. RS0167(9) PLOTTED 02/29/88
SURVEYED BY NYE 01/85 0105
SHEET 1 OF 2 SHEETS
SCALE 1" = 10 FEET





FROM STA. 203+00	TO STA. 203+50
PROJECT NAME	MORETOWN-MIDDLESEX
NO.	RS0167(9) PLOTTED 02/29/88
SURVEYED BY	NYE 01/85 0105
SHEET 107 OF 243 SHEETS	

SCALE 10 FEET


Rev 204+05 to Rev 205+85 Lt
Rev 204+05 Lt
Rev 204+00
Rev 203+58.73
EMDS
EMDS
EMDS

204+15 ℄
Combo Pole
#171C

531.98

7.49' Lt.

Rev 204+05 ~ Rev 205+05 Lt.
New 6" x 100' Underdrain
w/ FB @ 204+05 Lt.

Rev 204+05 ~ Rev 206+16 Rt.
New 6" x 212' Underdrain
w/ FB @ 204+05

ERD
ERD
EWDS
EWDS

1-2
1-2
1-4
1-4

.021
-0.005
+0.005

526.0
524.5

10.0
TLOB
(HAND)

9.0
TLOB
Si Sa

29.0
TLOB

Sa Gr
A-1-b
Moist

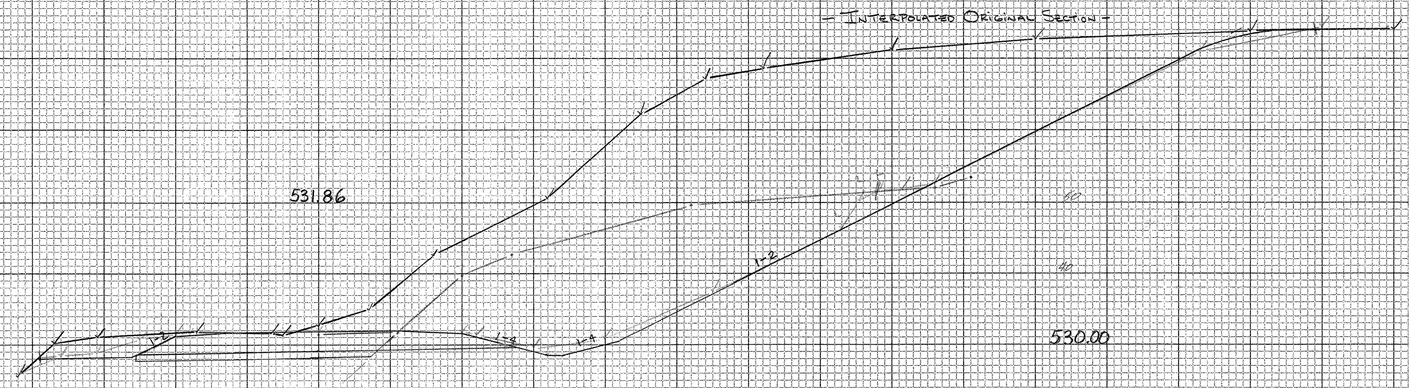
530

Surv 204+00 =
Rev 203+99.73

RIVER
WL RIVER

SCALE 10 FEET

FROM STA. 204+00	TO STA. 204+00	
PROJECT NAME MORETOWN-MIDDLESEX		
NO. RS E6(RS0167(9)		PLOTTED 02/29/88
SURVEYED BY NYE	01/85 0105	
SHEET 108 OF 243 SHEETS		



204+20

SCALE H= 1:10
V= 1:10

CROSS SECTION SHEET

PROJECT NAME: _____

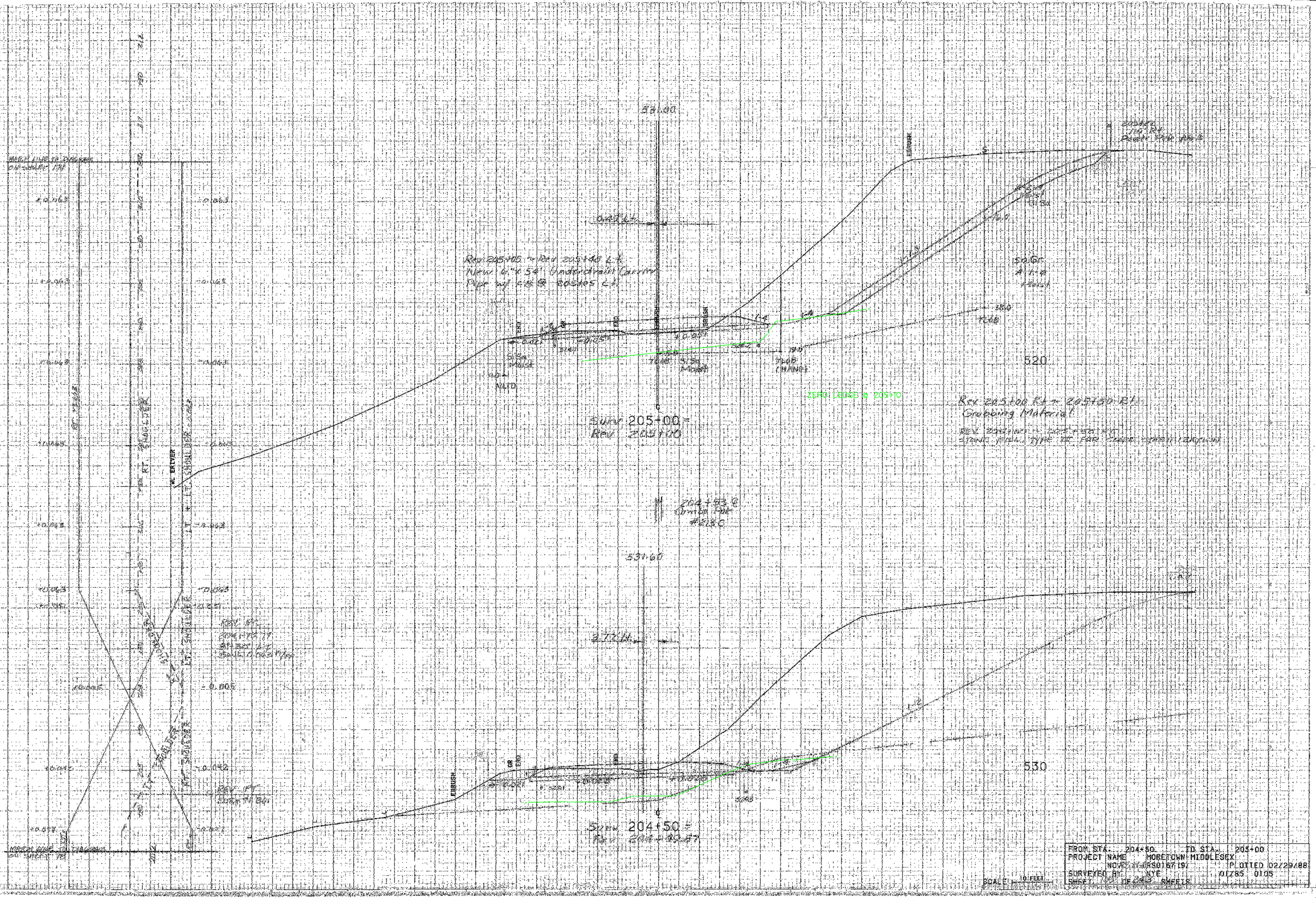
PROJECT NUMBER: _____

FILE NAME: _____ PLOT DATE: 05-JUN-2000 09

PROJECT LEADER: _____ DRAWN BY: _____

DESIGNED BY: _____ CHECKED BY: _____

const: g:/common/cadd/e-xsection.dgn SHEET 10&A OF _____


Sta. 205+00
Rev. 205+00
Sta. 204+50
Rev. 204+50
ZERO LEDGE @ 205+10
Rev 205+05 to Rev 205+40 Lt.
New 6"x54" Undertrain Carrier
Pipe w/ end @ 205+05 Lt.
Rev 205+00 to Rev 205+50 Rt.
Grubbing Material
Rev. Station 204+50 to 205+00 RT
Stone, Rock, Type EC for Temp. Embankment
Rev. 204+50 to 205+00 Rt.
Rev. 204+50 to 205+00 Lt.

MATCH LINE TO DIAGRAM ON SHEET 171

+0.063 -0.063

+0.063 -0.063

+0.063 -0.063

+0.063 -0.063

+0.063 -0.063

+0.063 -0.063

+0.051 -0.051

REV. PC
204+75.77
8°-30' LT.
BANK 0.063 FT/FT

+0.005 - 0.005

+0.042 -0.042

REV. PT
202+71.86

+0.077 -0.077

MATCH LINE TO DIAGRAM ON SHEET 78

RT. +0.063

RT. SHOULDER

WL ERTVER

LT. + LT. SHOULDER -0.063

LT. SHOULDER

RT. SHOULDER

LT. SHOULDER

RT. SHOULDER

212 211 210 209 208 207 206 205 204 203 202

531.00

0.49' Lt.

Rev 205+05 ~ Rev 205+48 Lt.
New 6"x 54' Underdrain Carrier
Pipe w/ FB @ 205+05 Lt.

ERD GR ERD EBRUSH BRUSH

1-2 1-4 1-4

-0.02 -0.051 +0.051

524.1 524.2

Si Sa Moist TLOB Si Sa Moist TLOB (HAND)

9.0 NLTD

5.0 19.0

Surv 205+00 =
Rev 205+00

EBRUSH

S

205+22
110' Rt.
Power Pole No #

Pay Neat Line
WRF 10-18-02

A-2-4 Moist Si Sa

16.0

1-1.5

Sa Gr.
A-1-a
Moist

38.0
TLOB

520

Rev 205+00 Rt ~ 205+50 Rt.
Grubbing Material

REV. 205+00 ~ 205+50 RT.
STONE FILL, TYPE II FOR SLOPE STABILIZATION

204+53 ℄
Combo Pole
#213C

531.60

3.77' Lt.

GR ERD ERD EBRUSH

1-2 1-4 1-4

-0.021 -0.028 +0.028

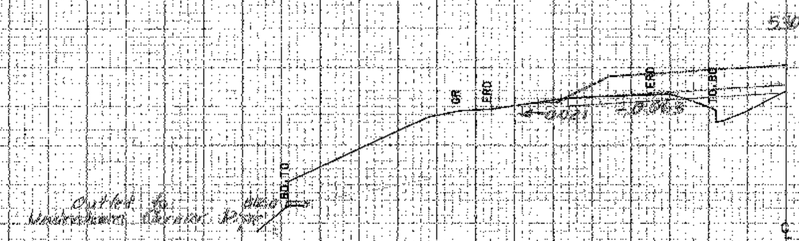
525.1 524.3

Surv 204+50 =
Rev 204+49.87

530

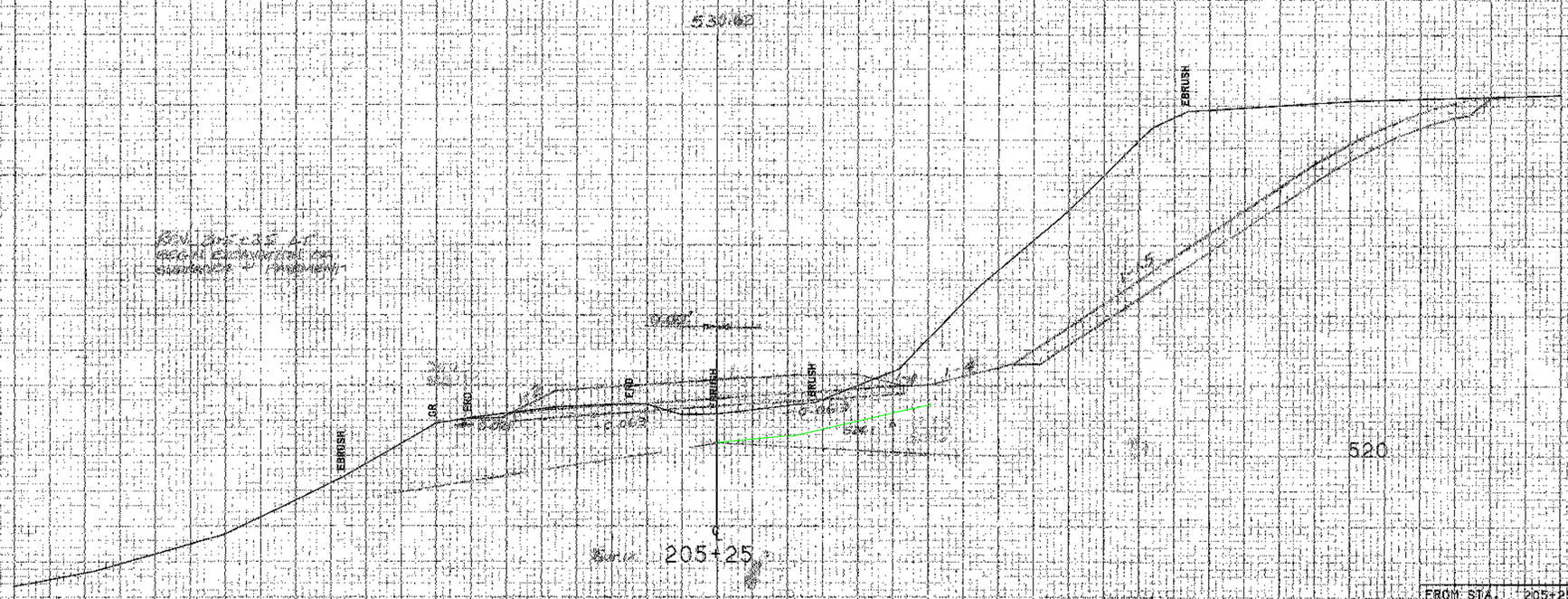
FROM STA. 204+50	TO STA. 205+00
PROJECT NAME	MORETOWN-MIDDLESEX
NO. RS EGG	RS0167(9) PLOTTED 02/29/88
SURVEYED BY	NYE 01/85 0105
SHEET 169 OF 243 SHEETS	

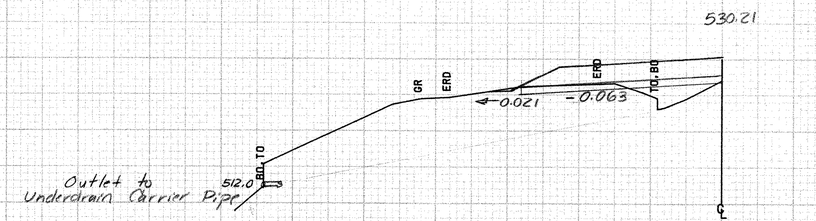
SCALE 10 FEET



Rev 205+48.50
EXISTING 25" CORR. CMP REMOVED.

Drilling and Blasting of Solid Rock Subgrade
Rev 205+25 - Rev 207+25

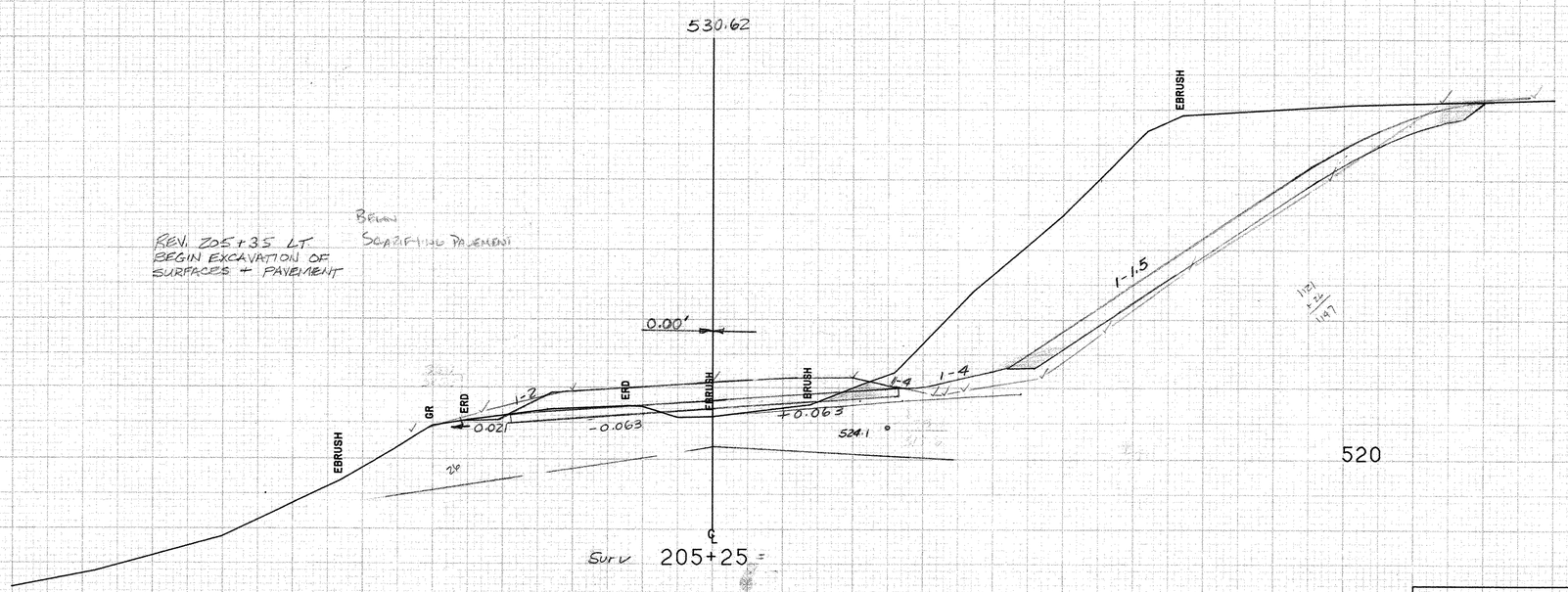

530.62
EBRUSH
EBRUSH
EBRUSH
EBRUSH
OR
ESKD
CRP
-0.065
-0.065
-0.065



520

REV. 205+46 LT.
EXISTING 15" CGMP - REMOVE

Drilling and Blasting of
Solid Rock Subgrade
Rev 205+25 ~ Rev 207+25



520

SCALE 10 FEET

FROM STA. 205+25	TO STA. 205+48.50
PROJECT NAME MORETOWN-MIDDLESEX	
NO. RS EGC RS0167(9)	PLOTTED 02/29/88
SURVEYED BY NYE	01/85 0105
SHEET 110 OF 243 SHEETS	

Rev. 206+33 Lt.
Existing 30" RCP

Rev 206+16 Rt. = Rev 206+33 Lt.
New 24" x 124' Pipe Culvert (CMP) (CMP)
or Conc (RC) w/Headwall @ Inlet End and Inlet Ditch

Rev 206+16 Rt.
Guy Pole

Rev 205+98 Lt.
Guy Pole

Rev 205+78 Rt.
Guy Pole

Rev 205+78 Lt.
Guy Pole

Rev 205+78 Lt. = Rev 206+33 Lt.
Construct Ditch & Matching Work

Rev 205+75 Lt.
Begin Excavation
Of Surfaces

Rev 205+70 Lt.
End Excavation Of
Surfaces & Pavements

Rev 205+70 Rt.
Guy Pole

Rev 205+70 Rt.
Guy Pole

Rev 205+70 Lt.
Guy Pole

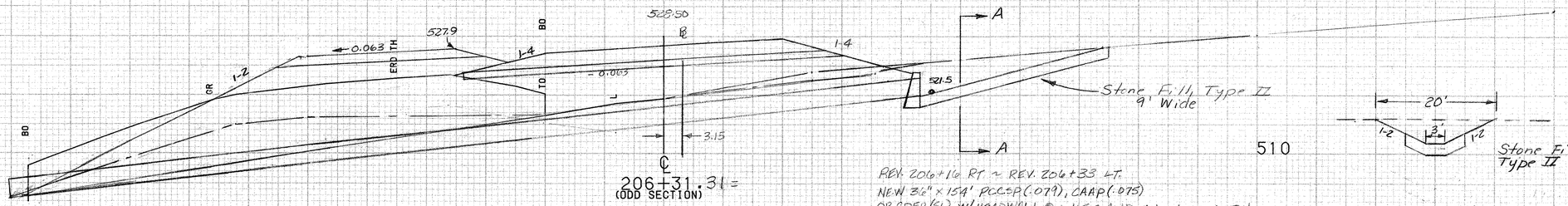
Rev 205+70 Lt.
Guy Pole

Rev 205+70 Rt.
Guy Pole

Rev 205+70 Rt.
Guy Pole

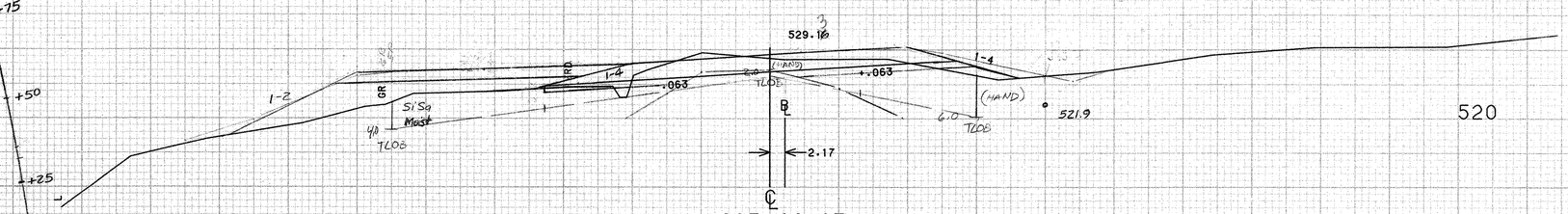
Rev 205+70 R

REV. 206+33 LT.
EXISTING 30" RCP



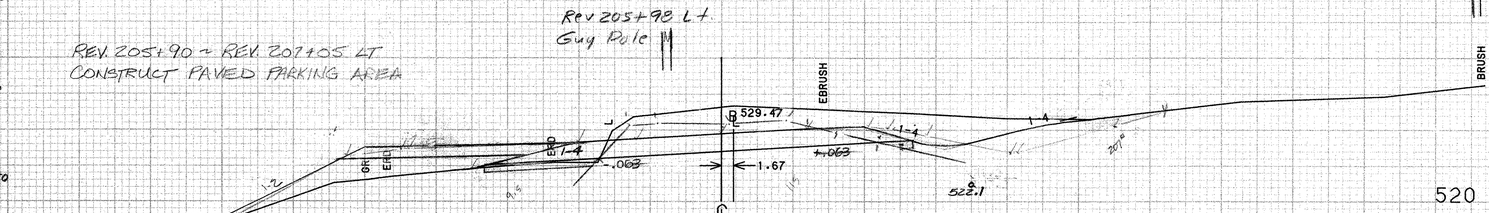
206+31.31 =
(ODD SECTION)
SURV 206+31.5

REV. 206+16 RT ~ REV. 206+33 LT.
NEW 36" x 154' PCCSP(.079), CAAP(.075)
OR CPEP(SL) W/ HEADWALL ® INLET AND AN INLET DITCH



REV. 205+99.93 =
SURV 206+00.00

REV. 205+90 ~ REV. 207+05 LT
CONSTRUCT PAVED PARKING AREA

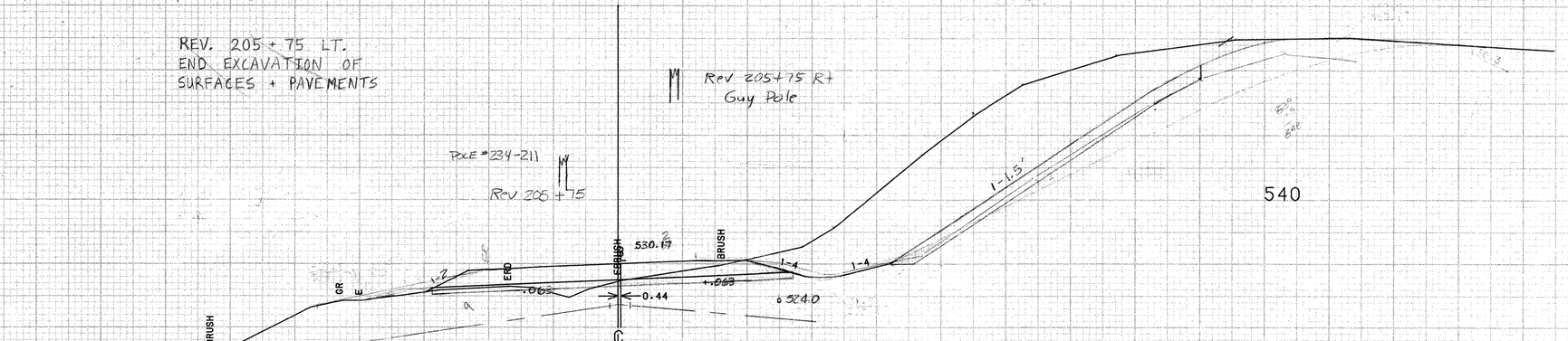


REV. 205+84.97 =
SURV 205+85.00

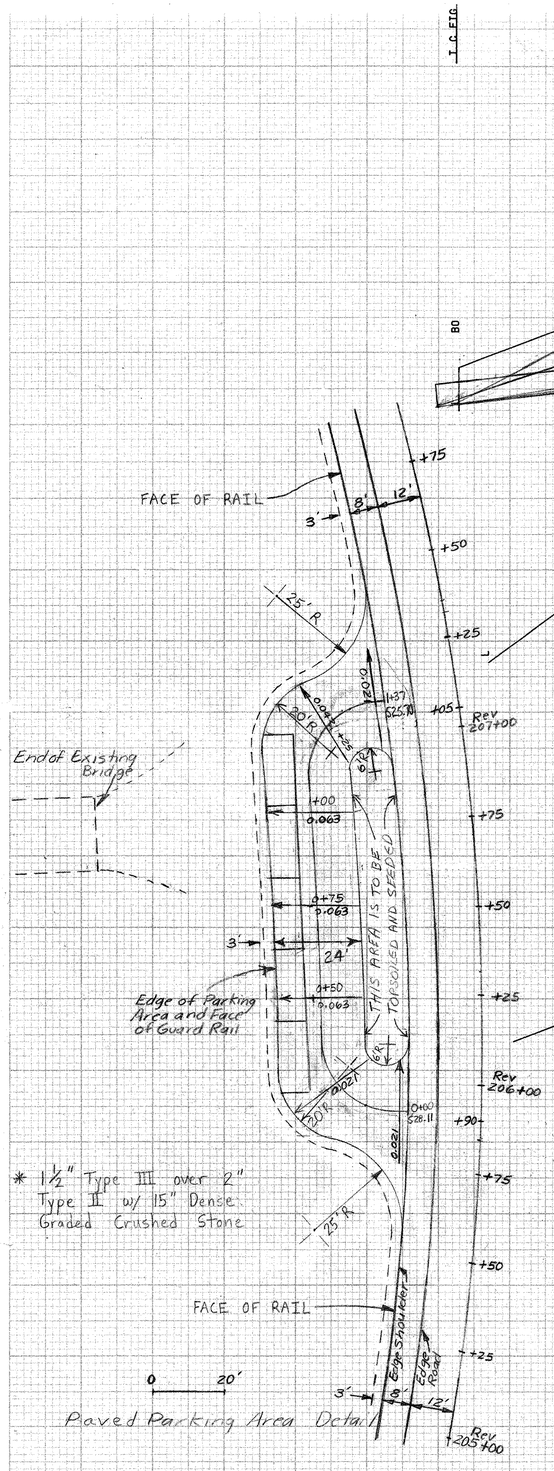
REV. 205+92 RT
GUY POLE

REV. 205+75 LT.
BEGIN SCARIFYING
PAVEMENT

REV. 205+75 LT.
END EXCAVATION OF
SURFACES + PAVEMENTS



REV. 205+50.01 =
SURV 205+50.00



FROM STA. 205+50.01	TO STA. 206+31.50
PROJECT NAME MORETOWN	
NO. RS EGG RS0167(9)	PLOTTED 04/22/87
SURVEYED BY MOREAU	01/86 0039
SHEET 111 OF 243 SHEETS	

SCALE 10 FEET

526.65

520.00

℄

207+20

527.07

520.00

℄

207+00

527.44

530.00

520.00

℄

206+82

SCALE 1:50

CROSS SECTION SHEET

PROJECT NAME: MORETOWN – MIDDLESEX

PROJECT NUMBER: RS0167(9)

FILE NAME: LEDGE SECTION

PROJECT LEADER:

DESIGNED BY:

const: g:/common/cadd/e-xsection.dgn

PLOT DATE: 05-JUN-2000 09

DRAWN BY: STW 12/19/00

CHECKED BY:

SHEET 111A OF

Rev 207+90 ℄
New 18" x 82" RCP (.064), cap(3x) & OR
CMP(.060) w/ End Sections @ Inlet
and Stone Fill, Type 2 @ Outlet

Sec. Thru Cross Sections

510

Rev 207+80 L.t.
Begin Treated Timber Curb

℄
207+34.6
(ODD SECTION)
SURV 207+35.5

Rev 206+80 L.t. - Rev 207+35 L.t.
New 18" x 58" CMP (.064)

Rev 207+10 L.t.
Removal of Guard Rail

Rev 207+10 L.t.
Relocate Combo pole

Rev 207+10 L.t.
Guy Pole

℄
207+26.18
(ODD SECTION)
SURV 207+27

Rev 207+10 L.t.
Remove Guy Pole

END SUBGRADE BLASTING @ 207+22

527.53

Rev 207+00 L.t.
End Stone Fill
Pavement

520

Rev 206+90 L.t. - Rev 206+90 L.t.
Excavation of Surfaces
and Pavements (Old Bridge Repr.)

Rev 206+90 - Rev 207+10 L.t.
Removal and Disposal of
Guard Rail

Rev 206+78

℄
206+99.40
SURV 207+00

BEGIN SUBGRADE BLASTING @ 207+73

Approx location of water line

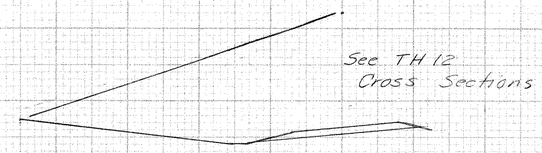
Rev 206+78 L.t. - Rev 206+82 L.t. (6" DIA. SCHEDULE 40)
Approx location of new 6" PVC
Sleeves for utilities w/ extension
Service pipe and curb stop @
Rev 206+82 L.t.
New 1" x 1.1' seamless
copper water tube

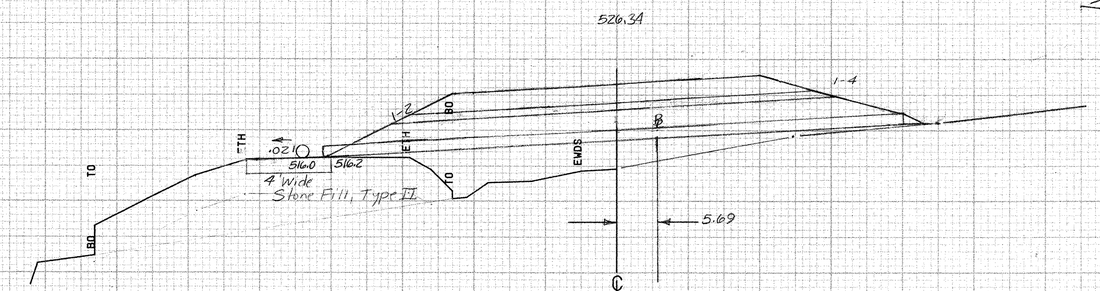
℄
206+49.72
SURV 206+50.00

FROM STA. 206+49.72	TO STA. 207+35.50
PROJECT NAME MORETOWN	
NO. RS-0167(9)	PLOTTED 04/22/87
SURVEYED BY MOREAU	01/86 0039
SHEET 11 OF 24 SHEETS	

SCALE 10 FEET

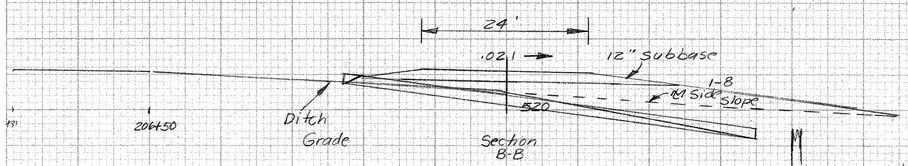
Rev 207+40 ℄
New 18" x 82' PCCSP (.064), CPEP(SL), OR
CAAP(.060) w/ End Section @ Inlet
and Stone Fill, Type II @ Outlet





207+34.61 =
(ODD SECTION)
SURV 207+35.5

Rev 207+30 Lt.
Begin Treated Timber Curb



Rev. 206+80 Lt ~ Rev. 207+35 Lt.
New 18" x 58' CSP (.064)

Rev 207+16 Lt.
Combo pole No #

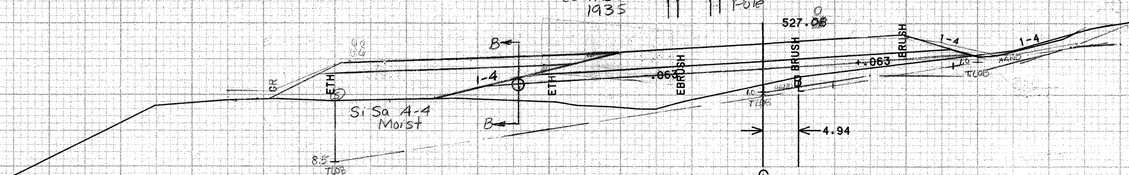
Rev 207+14 Lt
Guy Pole

207+26.18 =
(ODD SECTION)
SURV 207+27

Rev 207+10 Lt
Combo
1935

Rev 207+10 Lt
Guy
Pole

REV. 207+00 LT
END SCARIFYING
PAVEMENT

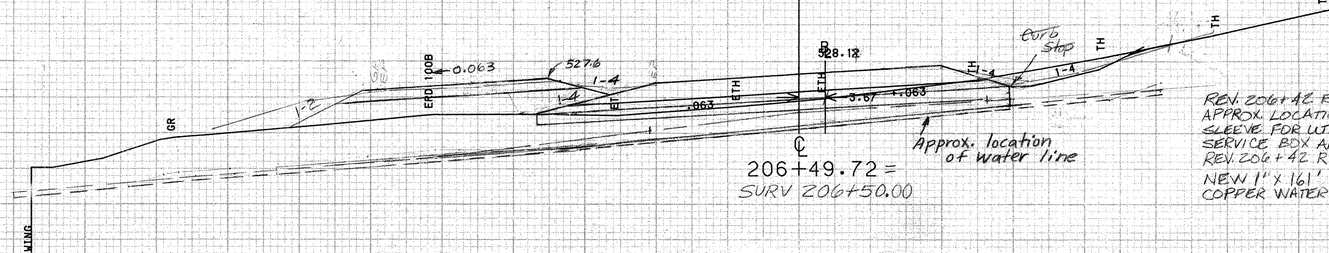


206+99.40 =
SURV 207+00

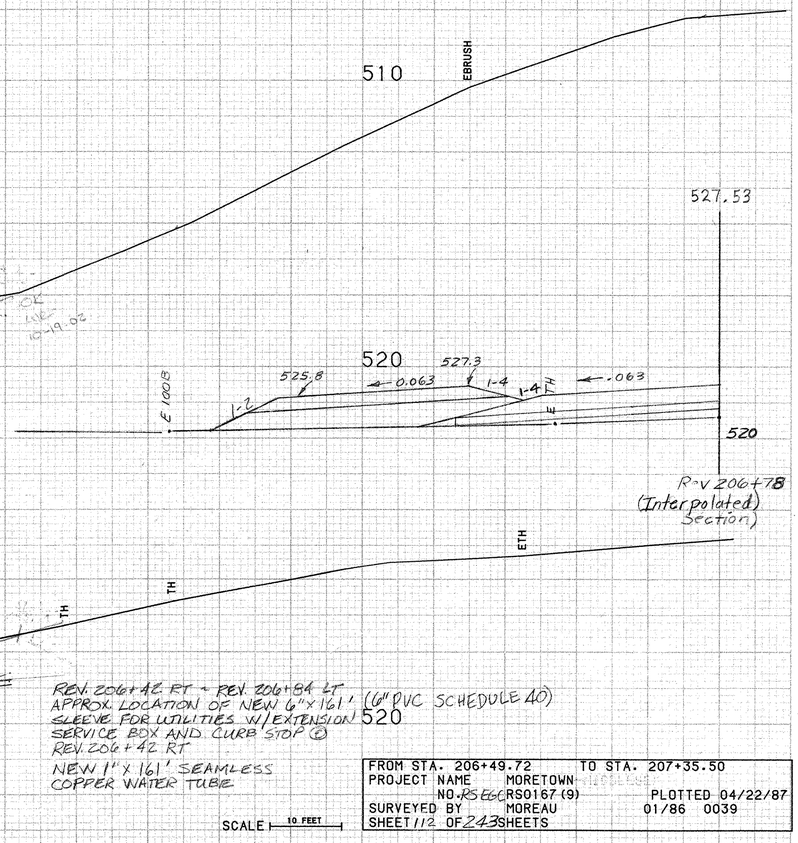
Rev 206+90 ~ Rev 207+10 Lt.
Removal and Disposal of
Guard Rail

GMP# 286
Rev 206+71

REV. 206+50 LT ~ REV. 206+90 LT
EXCAVATION OF SURFACES
AND PAVEMENTS (OLD BRIDGE APPR)



206+49.72 =
SURV 206+50.00



REV. 206+42 RT ~ REV. 206+84 LT
APPROX. LOCATION OF NEW 6"x161' (6" PVC SCHEDULE 40)
SLEEVE FOR UTILITIES W/EXTENSION 520
SERVICE BOX AND CURB STOP ②
REV. 206+42 RT
NEW 1" x 161' SEAMLESS
COPPER WATER TUBE

SCALE 10 FEET

FROM STA. 206+49.72	TO STA. 207+35.50
PROJECT NAME MORETOWN	
NO. RS66 RS0167(9)	PLOTTED 04/22/87
SURVEYED BY MOREAU	01/86 0039
SHEET 112 OF 243 SHEETS	

524.65

TOP GRH

BASE GRH

208+14.32 ℄
(ODD SECTION)
SURV 208+16.00

525.01

See Structural
B-5 for details

16" Asphalt
MATERIAL

Rock Fill
Embankment
(in Place)

ERIV-W

Rev 208+00 Lt
Begin Covering Material

207+98.49 ℄
SURV 208+00.00

TOP BLOCKS

207+81.66 ℄
(ODD SECTION)
SURV 207+82.00

Rev 207+00 - 207+82 Lt
*90" RCP(MOD) (WALL SIZE AS PER PLAN and Centrally Remove)
(REFER TO DETAIL ON SHT #28 OF PLANS)

* THIS IS TO BE PAYED FOR UNDER
ITEM 203 00 00 (Quantity)

Rev 207+50 Lt
Existing 12" IACP&MP- Remove

526.64

207+48.98 ℄
SURV 207+50.00

UNDERCUT BUTT @ 207+25:
FIELD MEASURED END AREA OF 90 STW #47/00
30X3

Surv 208+16.00
Cross Sections

FROM STA. 207+49.98 TO STA. 208+16
PROJECT NAME MORETOWN
NO. 2908(25)S90187 (3) PLOTTED 04/22/97
SURVEYED BY MOREAU 01/96 0039
SHEET 13 OF 241 SHEETS

SCALE 10 FEET

524.68

℄

.063

TOP CRM

TH 12

1-4

RAISE CRM

Spring Lane

6.91

℄

208+14.32 =
(ODD SECTION)
SURV 208+16.00

510

EMDS BRSH

BRUSH

525.04

See Standard B-5 for details

.063

+.063

1-4

TH 12

1-2

ETH

EBRUSH

BRUSH

EMDS

18" GRUBBING MATERIAL

1-2

EBRUSH

Rock Fill Encountered on Project

(HAND)

(VERY WET)

3.0 TIDE

510

ERIV WL

Rev 208+00 Lt.
Begin Grubbing Material

℄

6.72

℄

207+98.49 =
SURV 208+00.00

TOP BLOCKS

525.36

.063

1-4

TH 12

℄

6.49

℄

207+81.66 =
(ODD SECTION)
SURV 207+83.00

510

See TH 12 Cross Sections

REV 207+60 ~ 207+82 LT
*30" RCP(MOD) (BARRICADE AT THE END OF EXISTING BRIDGE)
(REFER TO DETAIL ON SHT. #183 OF PLANS)

* THIS IS A MORETOWN-MIDDLESEX BRS 0167(1) QUANTITY

Rev 207+50 Lt.
Existing 12" ACCGMP~Remove

526.04

.063

+.063

1-4

1-2

END

ERD

EBRUSH

BRUSH VDS

5.96

WDS

BRUSH

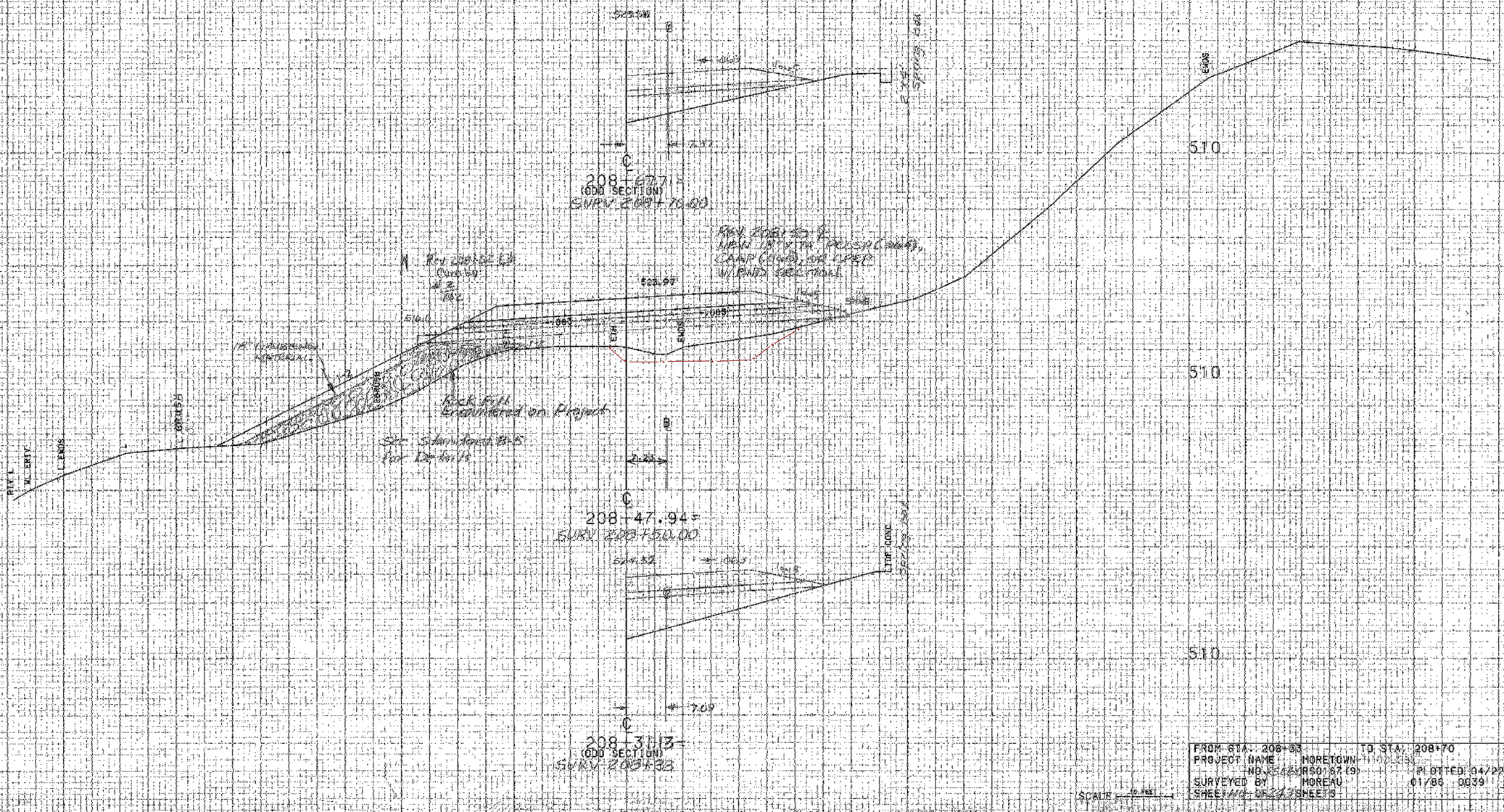
EBRUSH

510

ERIV

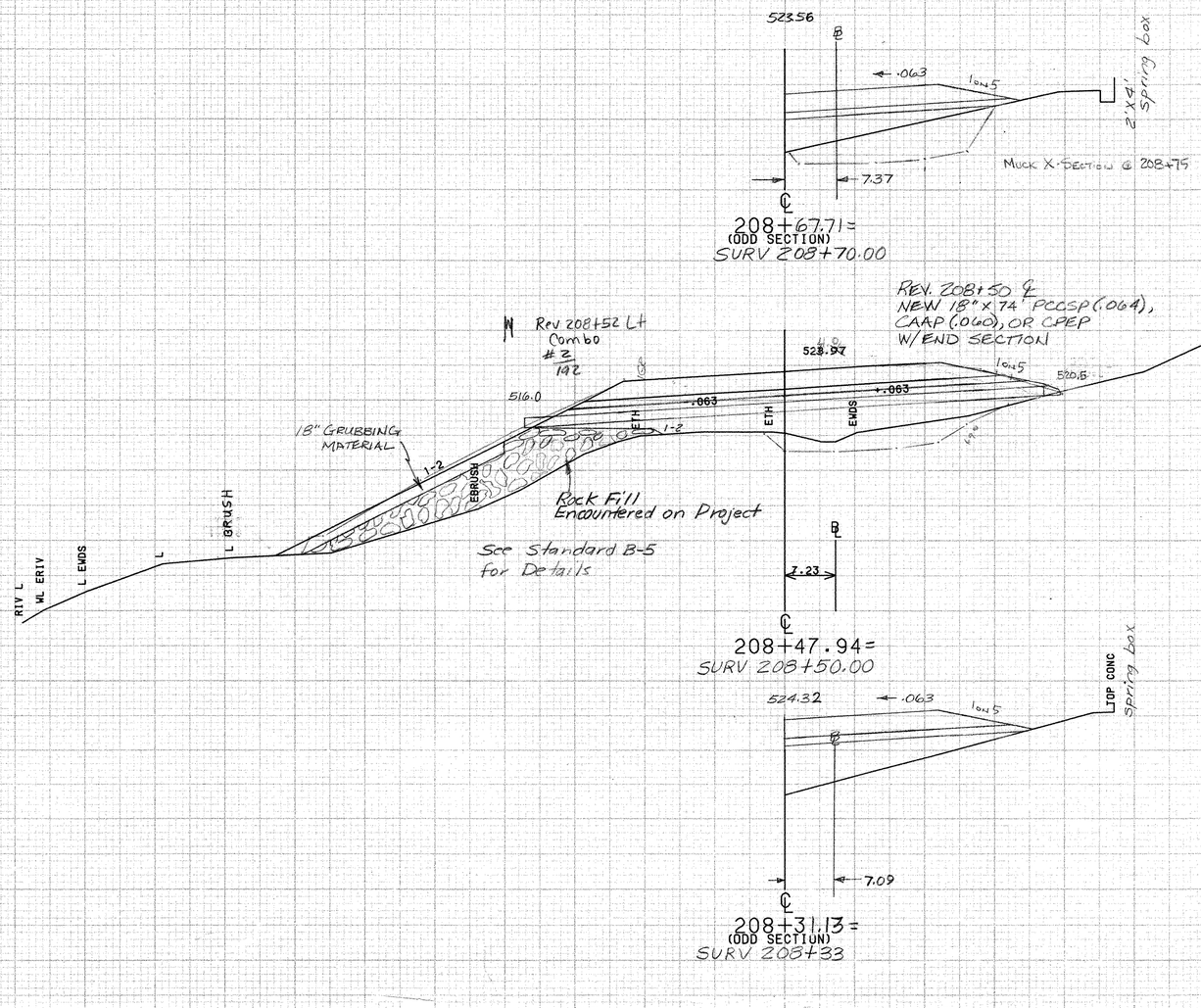
SCALE 10 FEET

FROM STA. 207+48.98	TO STA. 208+16
PROJECT NAME MORETOWN	
NO. BRG CRS0167(9)	PLOTTED 04/22/87
SURVEYED BY MOREAU	01/86 0039
SHEET 113 OF 243 SHEETS	



FROM STA. 208+33	TO STA. 208+70
PROJECT NAME MORETOWN	
NO. [illegible]RS0167(9)	PLOTTED 04/22/87
SURVEYED BY MOREAU	01/86 0839
SHEET #/# OF 23 SHEETS	

SCALE 10 FEET



FROM STA. 208+33	TO STA. 208+70
PROJECT NAME MORETOWN	
NO. RS660 RS0167(9)	PLOTTED 04/22/87
SURVEYED BY MOREAU	01/86 0039
SHEET 114 OF 243 SHEETS	

SCALE 10 FEET

Rev 210+53 Rt.
End Alum. Arch Rail (Mod#1)(25')
Begin Bridge Rail

Rev 210+82 Rt. =
Rev 210+53 Rt. =
Aluminum Arch Rail (Mod#1)(25')

Rev 210+53 Lt. thru 210+82 Rt.
Remove Exist. Bridge Rail

Rev 209+54.81 Lt.
End Roadway
Begin Curb

Rev
End Curb
End Alum. Arch
Aluminum Rail (Mod#1)(25')
Begin Bridge Rail

Rev 209+81 Lt.
End Steel Beam Guard Rail - Begin
Alum. Arch Rail
(Mod#1)(25')
Rev 209+82.00
@ 90° Rt.

Rev 209+81 Lt.
End Steel Beam Guard Rail
Begin Aluminum Arch Rail (Mod#1)(25')

Rev 209+82.00 Rt. thru 210+53 Rt.
New (8" x 8") Posts (Typ.) w/ MP(SD)
Omit (Typ.)

Rev 209+23 to 210+53
Drilling and Blasting
of Solid Rock Subgrade
(Paid as a Marktown-
Middlesex DR3(16)(10)
Quantity)

Rock Fill
Encountered on
Project

℄
209+78.40 =
SURV 209+82.00

℄
209+46.77 =
SURV 209+50.00

℄
208+97.36 =
SURV 209+00.00

Ground Rail Terminal Detail
Scale in Feet

** NOTE :
THE ALUMINUM ARCH RAIL (MOD#1) AND ALUM. ARCH RAIL (MOD#2) SHOWN ON THIS DETAIL WILL BE USED FOR LENGTH ADJUSTMENT PURPOSES ONLY. REFER TO STD. DWG. RS-96(7)(a)

FROM STA. 208+97.36 TO STA. 209+78.40
PROJECT NAME MORETOWN
NO. RS01-67(9)
SURVEYED BY MOREAU
SHEET NO. OF 2 SHEETS
PLOTTED 04/22/97
01/86 0039
SCALE 10 FEET

Rev. 210+54.07 Lt.
End Roadway
Begin Bridge

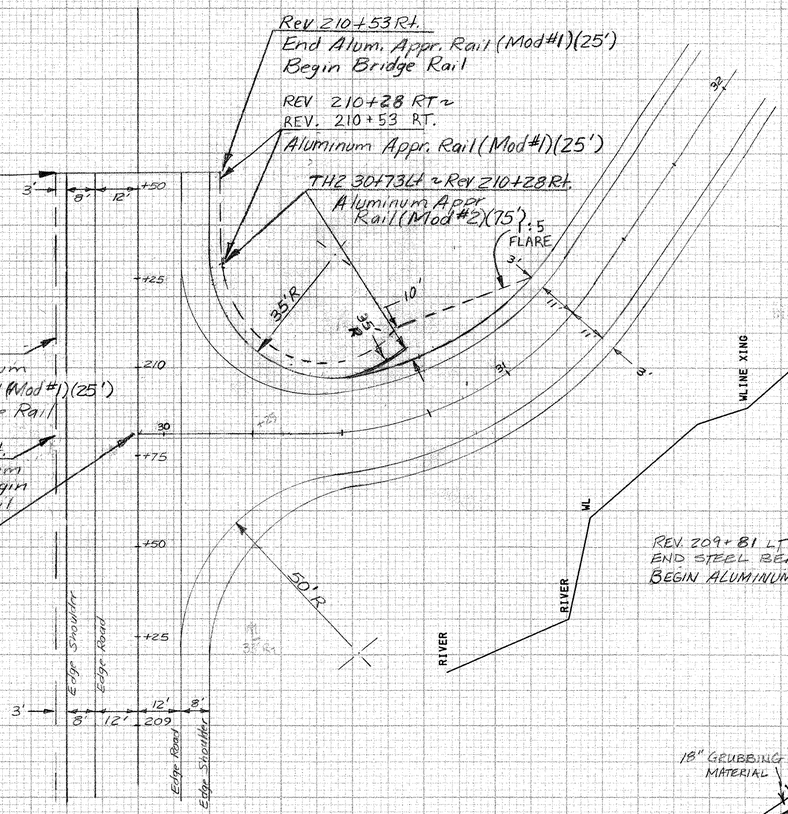
Rev 210+53 Rt.
End Alum. Appr. Rail (Mod#1)(25')
Begin Bridge Rail

REV 210+28 RT ≈
REV. 210+53 RT.
Aluminum Appr. Rail (Mod#1)(25')

THZ 30+73 Lt ≈ Rev 210+28 Rt.
Aluminum Appr Rail (Mod#2)(75')

Rev 210+06 Lt.
End Aluminum Approach Rail (Mod#1)(25')
Begin Bridge Rail

Rev 209+81 Lt.
End Steel Beam Guard Rail - Begin Alum. Appr. Rail (Mod#1)(25')
Rev 209+81.36 =
THZ 29+92.68
Δ 90° Rt

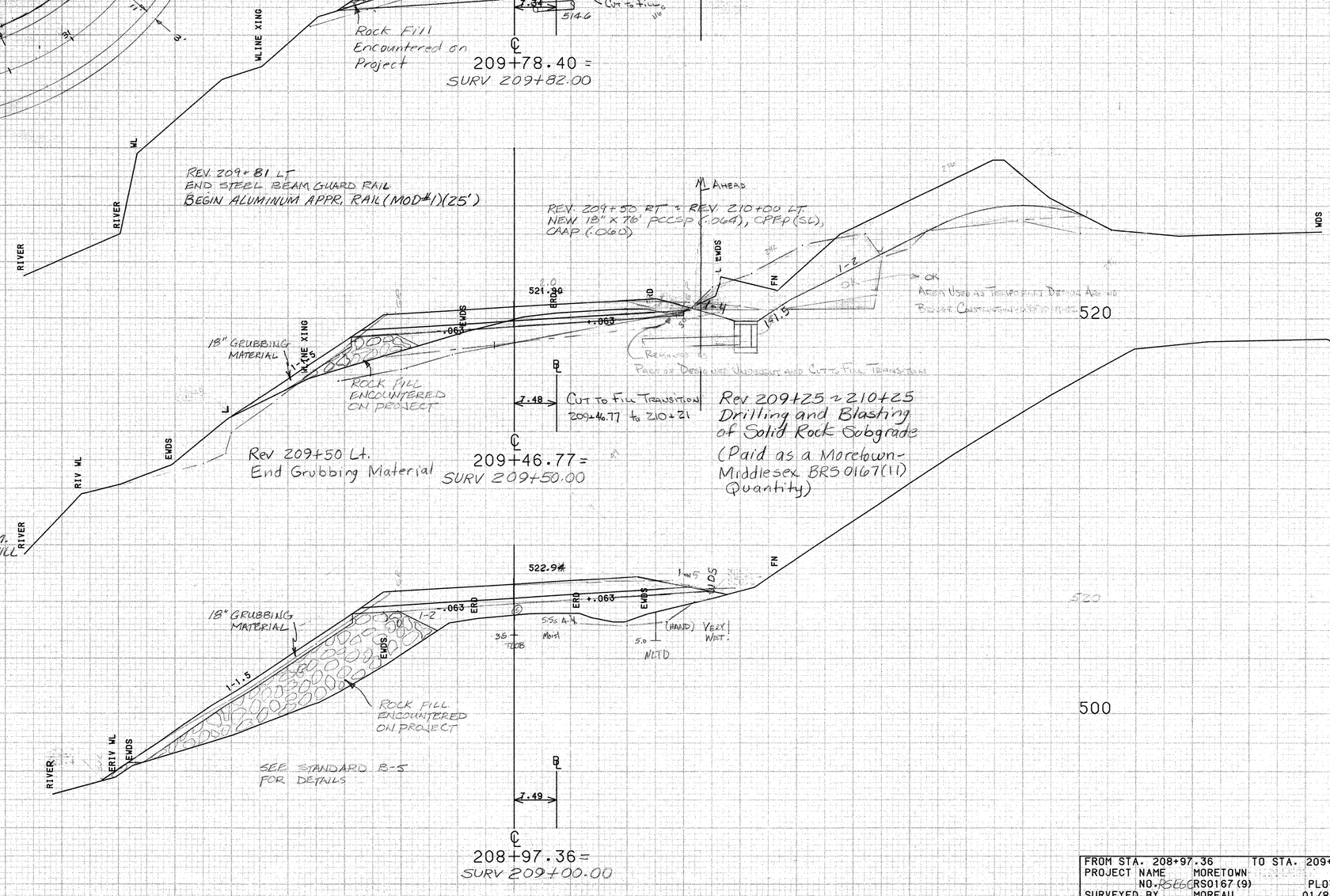


Guard Rail Terminal Detail

Scale in Feet
0 20

** NOTE :

THE ALUMINUM APPR. RAIL (MOD#1) AND ALUM. APPR. RAIL (MOD#2) SHOWN ON THIS DETAIL WILL BE PAID FOR UNDER PROJECT MORETOWN STP EGC - RSEGC RS 0167(9)



FROM STA. 208+97.36	TO STA. 209+78.40
PROJECT NAME MORETOWN	
NO. RSEGC RS0167(9)	PLOTTED 04/22/87
SURVEYED BY MOREAU	01/86 0039
SHEET 115 OF 243 SHEETS	

SCALE 10 FEET

Rev. 210+25 Rt
Begin Aluminum Approach Rail (Mod 4)(25')

TH 2 @ 193 Lt + Rev 210+28 Rt
Aluminum Approach Rail (Mod 4)(25')

Rev. 210+04.07 ~ Rev 210+54.07
Gradation Options
(SEE PLANS FOR LIMITS OF PROJECT
MAXIMUM IMPERVIOUS AREA 0.7 (Ac))

510.35

510.0

490

EDGE SECTION @ 210+20 (REV)

Rev 210+03
End Project Essex Rail (9)
Begin Project Replacement (1)

SECTION 210+03 DRAWN OF FILE

℄
210+20.91 =
(ODD SECTION)
SURV 210+25.00

Rev 210+06 Lt
NEW 193'-11" PIPE (CMP), CPEP
(MAP 2.0mm)

Rev 210+06 Lt
End Aluminum Approach Rail (Mod 4)(25')
Begin Bridge Rail

Rev 210+06 Lt
End Treated Timber Curb

℄
209+96.19 =
SURV 210+00.00

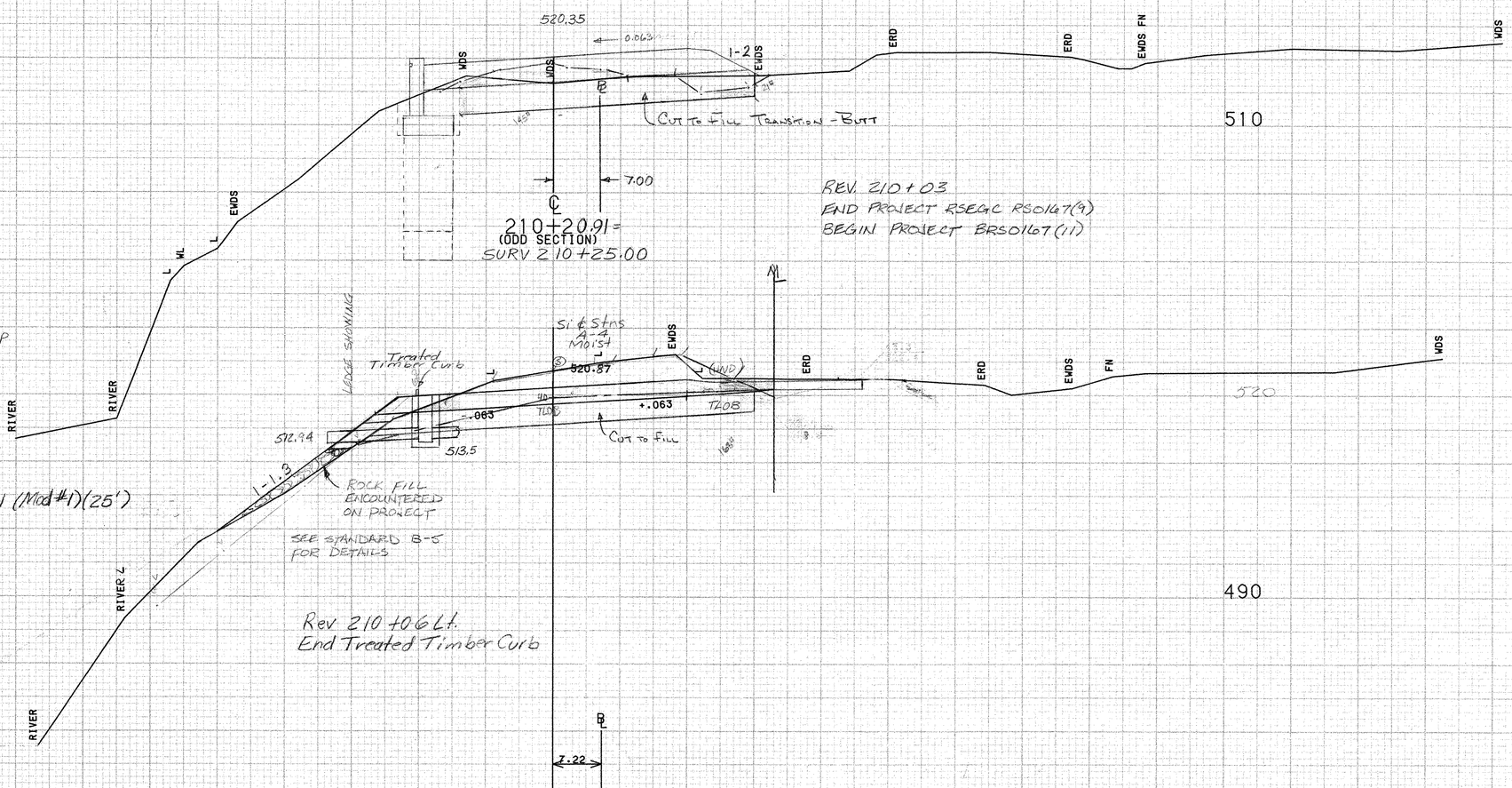
FROM STA. 209+96.19	TO STA. 210+25
PROJECT NAME MORETOWN	
NO. STP-RS0187(9)	PLOTTED 04/22/87
SURVEYED BY MOREAU	01/86 0039
SHEET NO. OF 103 SHEETS	

SCALE: 10 FEET

Rev 210+28 Rt
Begin Aluminum Approach Rail (Mod #1)(25')

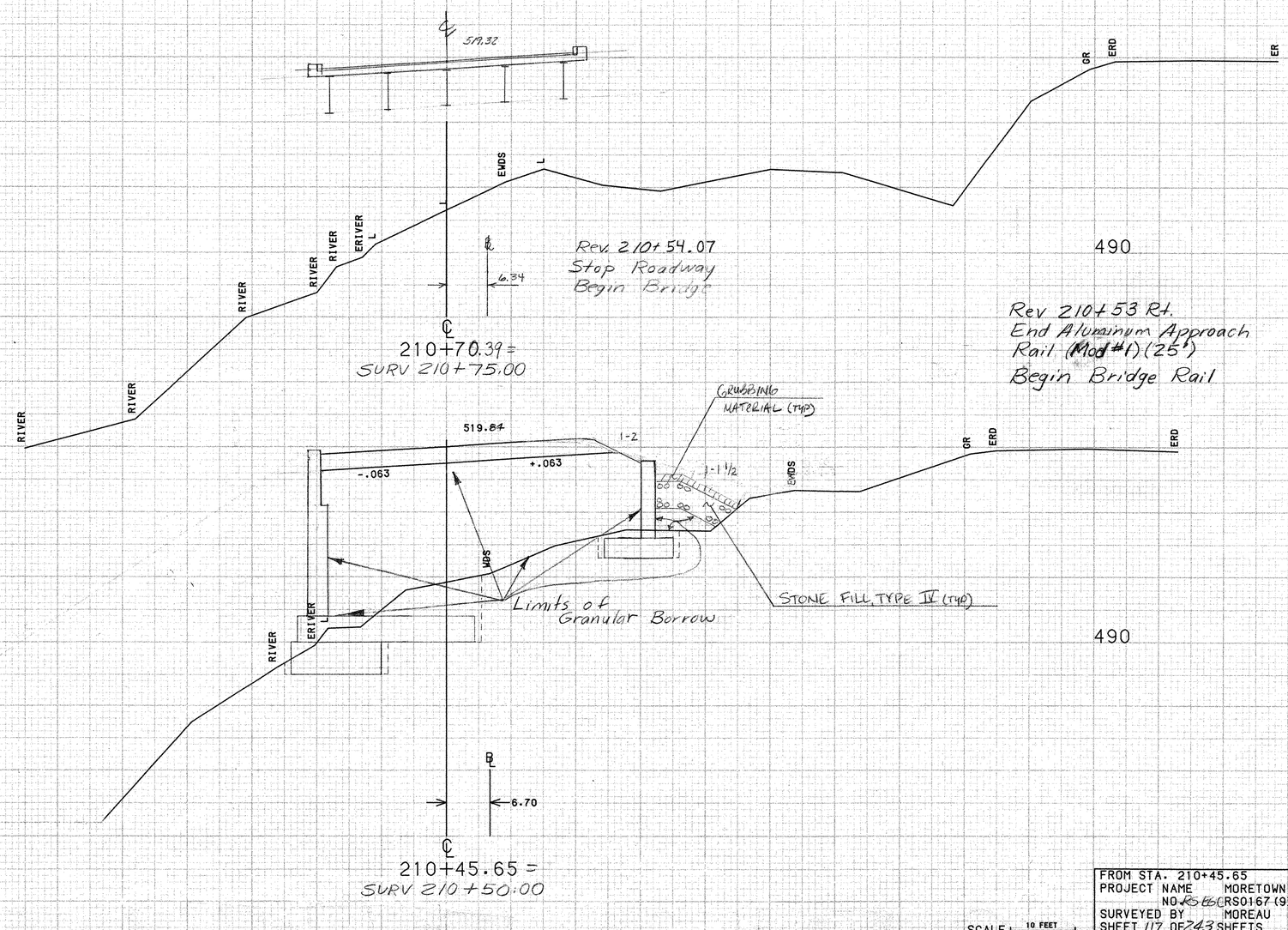
THZ 30+73 Lt ~ Rev 210+28 Rt.
Aluminum Approach Rail (Mod #2)(75')

Rev. 210+04.07 ~ Rev 210+54.07
Granular Borrow
(TO BE PAID FOR UNDER PROJECT
MORETOWN-MIDDLESEX BRS0167(11))



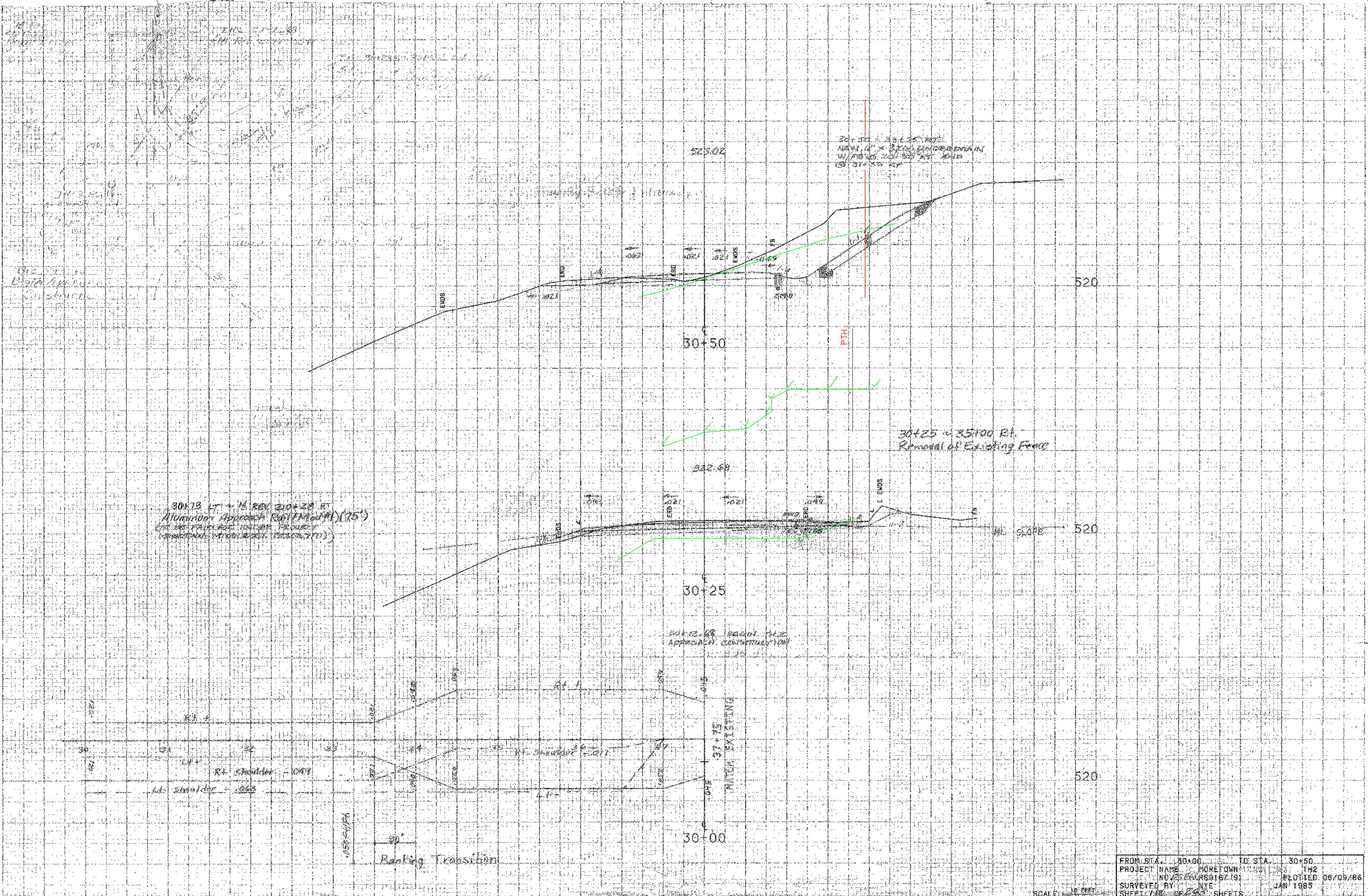
FROM STA. 209+96.19	TO STA. 210+25
PROJECT NAME MORETOWN	
NO. RSEGC (RS0167(9)	PLOTTED 04/22/87
SURVEYED BY MOREAU	01/86 0039
SHEET 116 OF 243 SHEETS	

SCALE 10 FEET



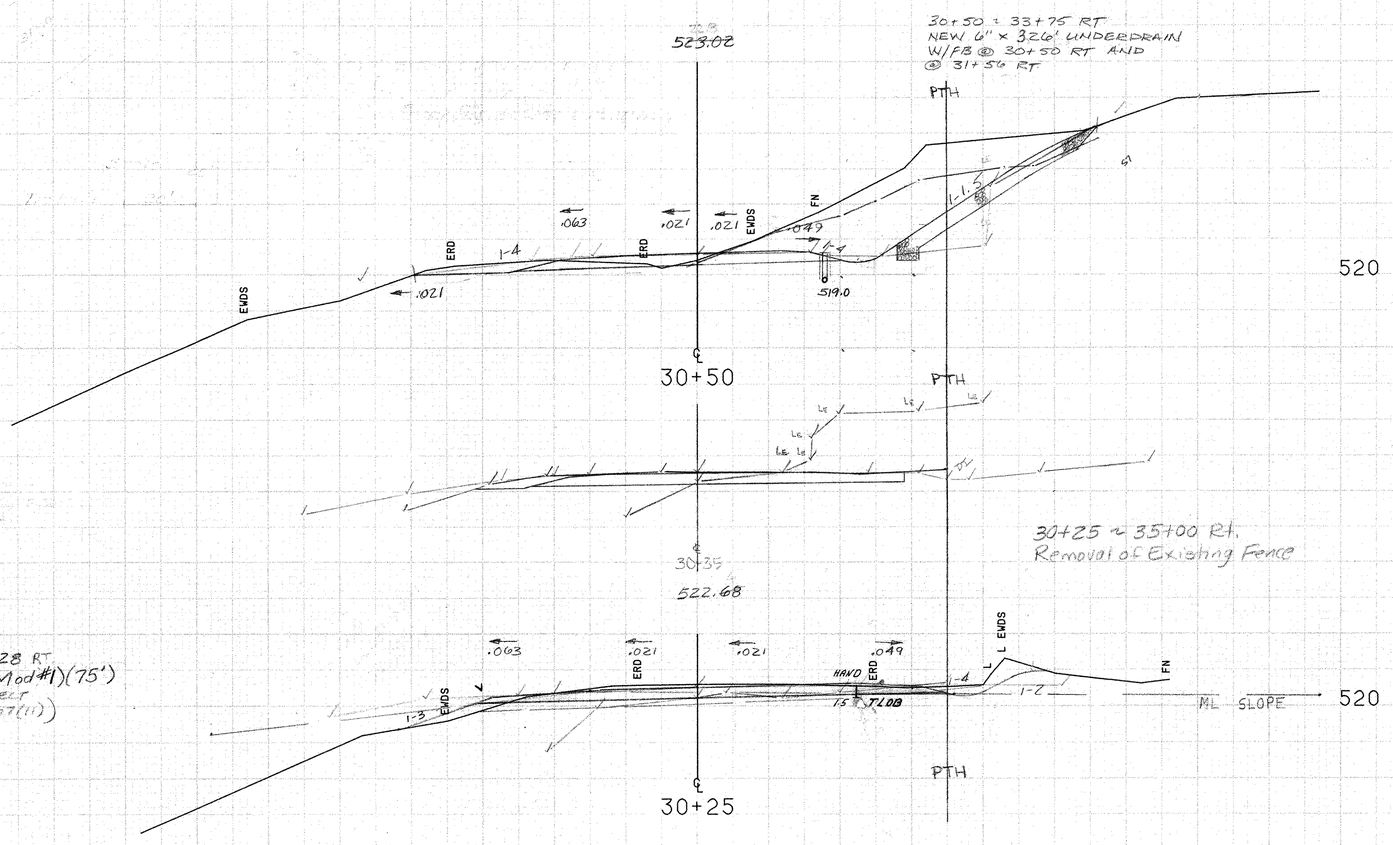
FROM STA. 210+45.65 TO STA. 210+75
PROJECT NAME MORETOWN
NO. ~~RS 66~~ RS0167(9) PLOTTED 04/22/87
SURVEYED BY MOREAU 01/86 0039
SHEET 117 OF 243 SHEETS

SCALE 10 FEET



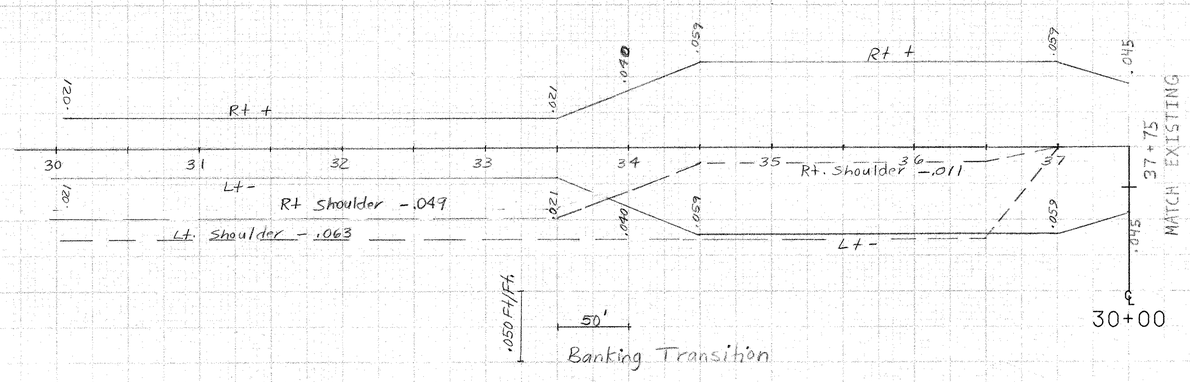
FROM STA.	30+00	TO STA.	30+50
PROJECT NAME	MORETOWN		TH2
	NO.2216(9)		PLOTTED 06/09/86
SURVEYED BY	NYE		JAN 1985
SHEET / OF	SHEETS		

SCALE: 1" = 10 FEET



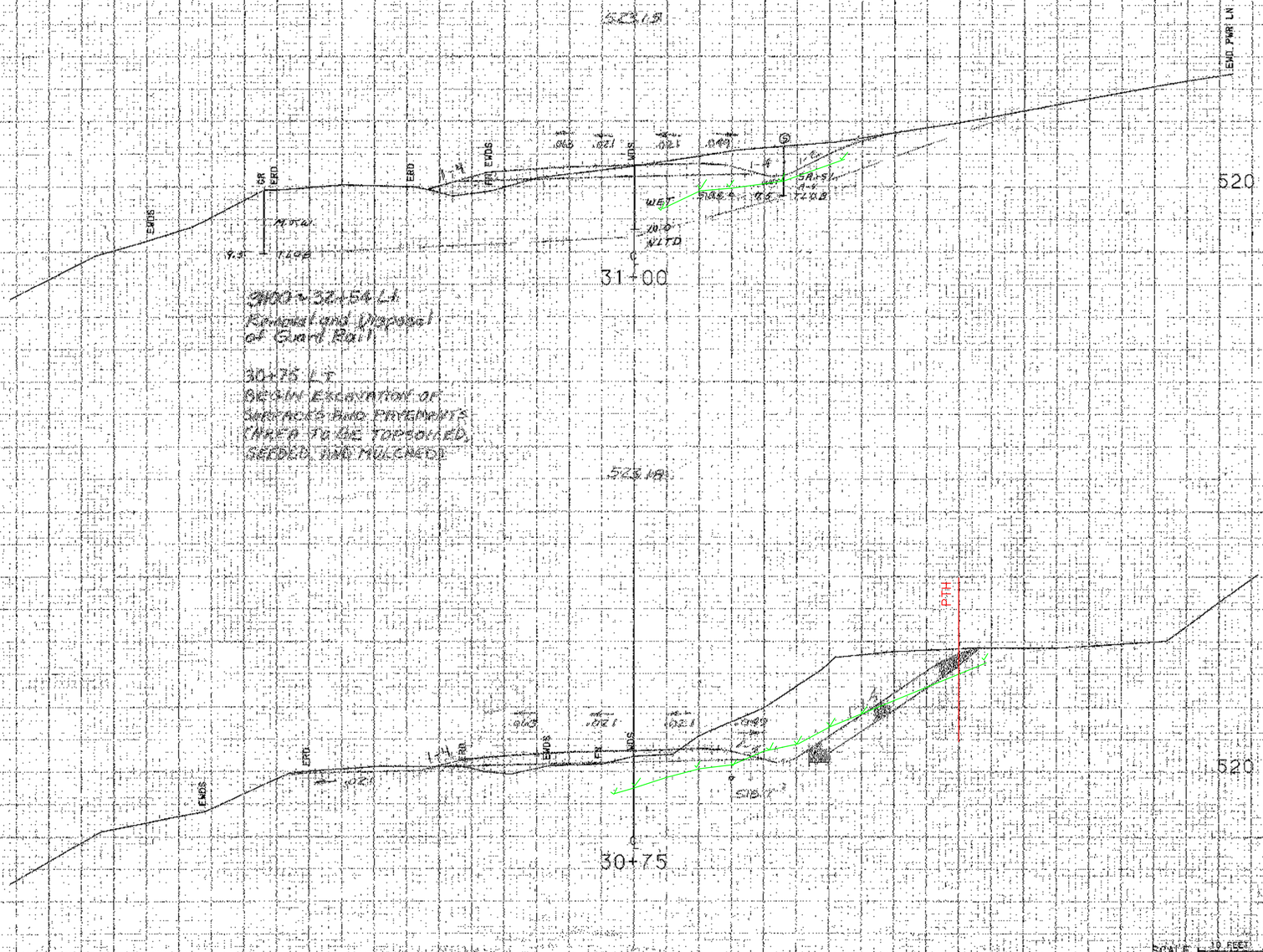
30+73 LT ± ℄ REV. 210+28 RT
Aluminum Approach Rail (Mod #1) (75')
(TO BE PAID FOR UNDER PROJECT
MORETOWN-MIDDLESEX BRS0167(11))

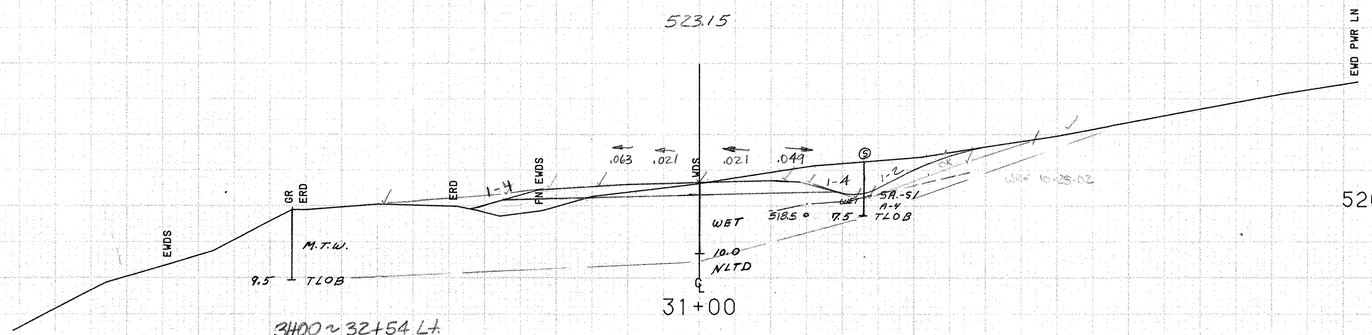
30+12.68 BEGIN TH 2
APPROACH CONSTRUCTION



SCALE 10 FEET

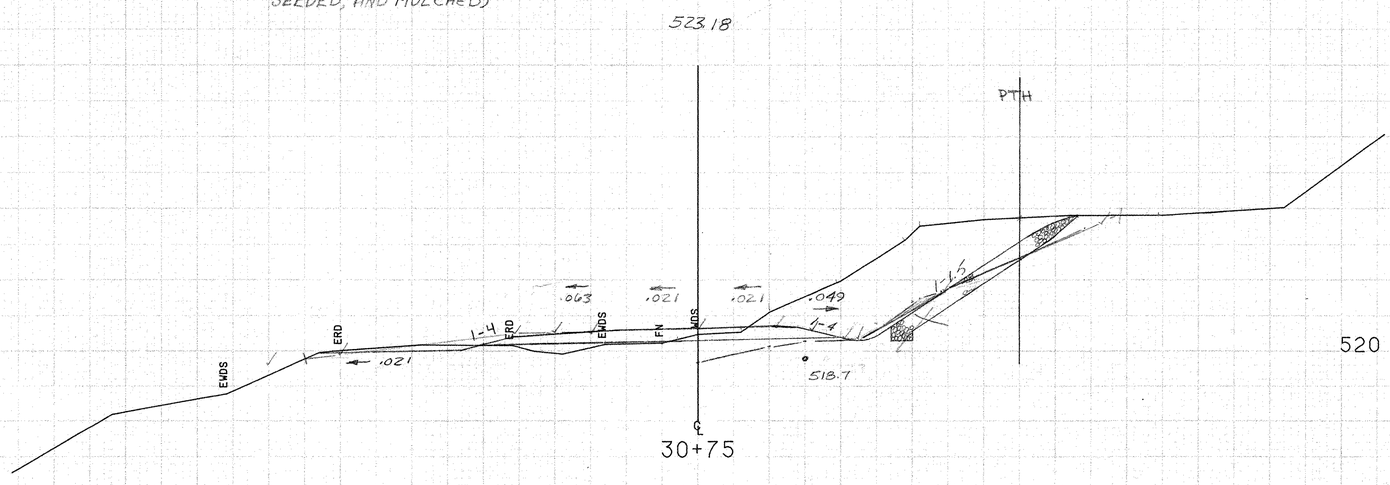
FROM STA. 30+00	TO STA. 30+50
PROJECT NAME MORETOWN	TH2
NO. RS EGG(RS0167(9)	PLOTTED 06/09/86
SURVEYED BY NYE	JAN 1985
SHEET 118 OF 243 SHEETS	


522.15
EWD. PVMT LN
EWDS
GR
ERD
ERD
EWDS
EWDS
EWDS



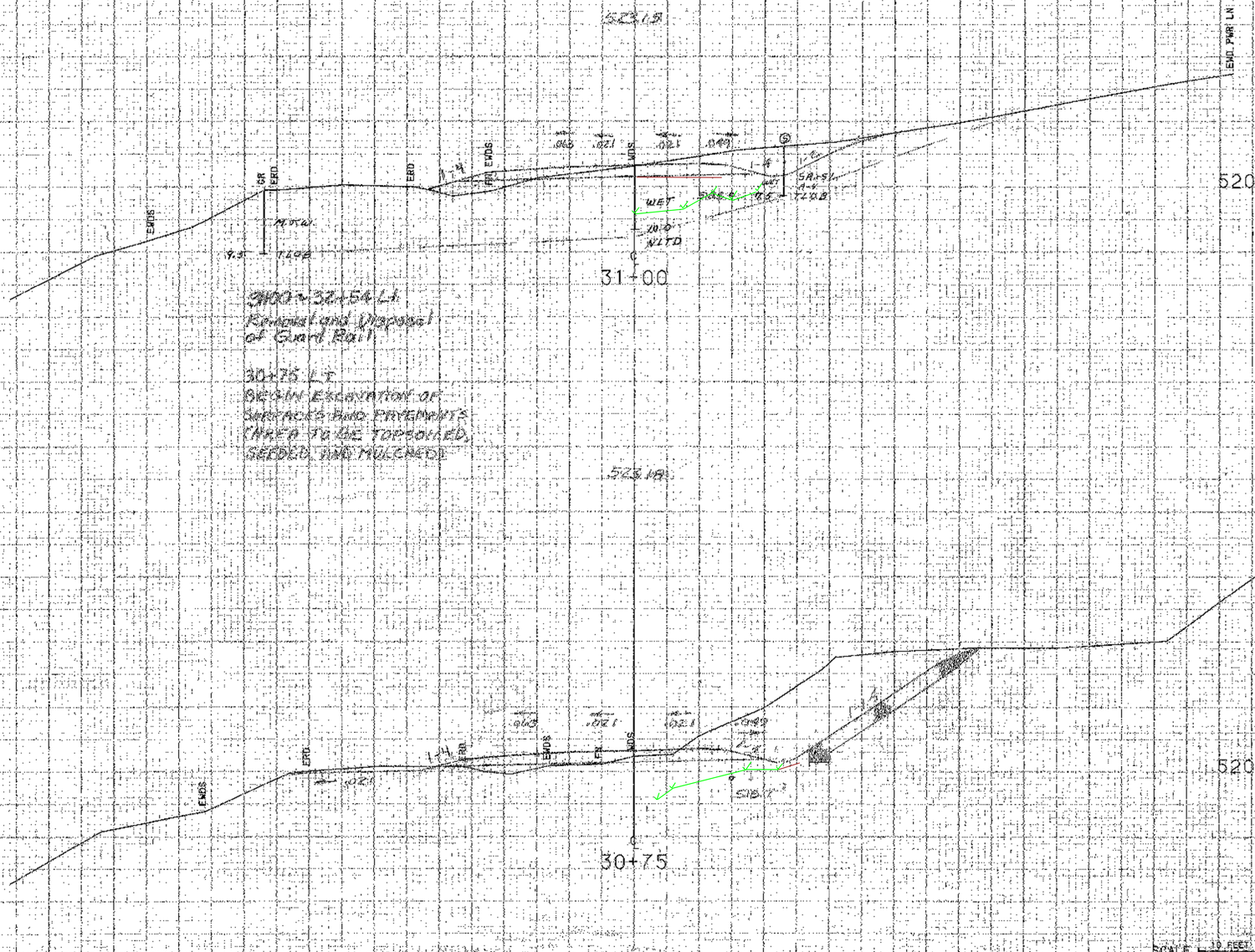
3H00 ~ 32+54 Lt.
Removal and Disposal
of Guard Rail

30+75 LT
BEGIN EXCAVATION OF
SURFACES AND PAVEMENTS
(AREA TO BE TOPSOILED,
SEEDED, AND MULCHED)



SCALE 10 FEET

FROM STA. 30+75	TO STA. 31+00
PROJECT NAME MORETOWN	TH2
NO. RS EGC RS0167(9)	PLOTTED 06/09/86
SURVEYED BY NYE	JAN 1985
SHEET 119 OF 243 SHEETS	

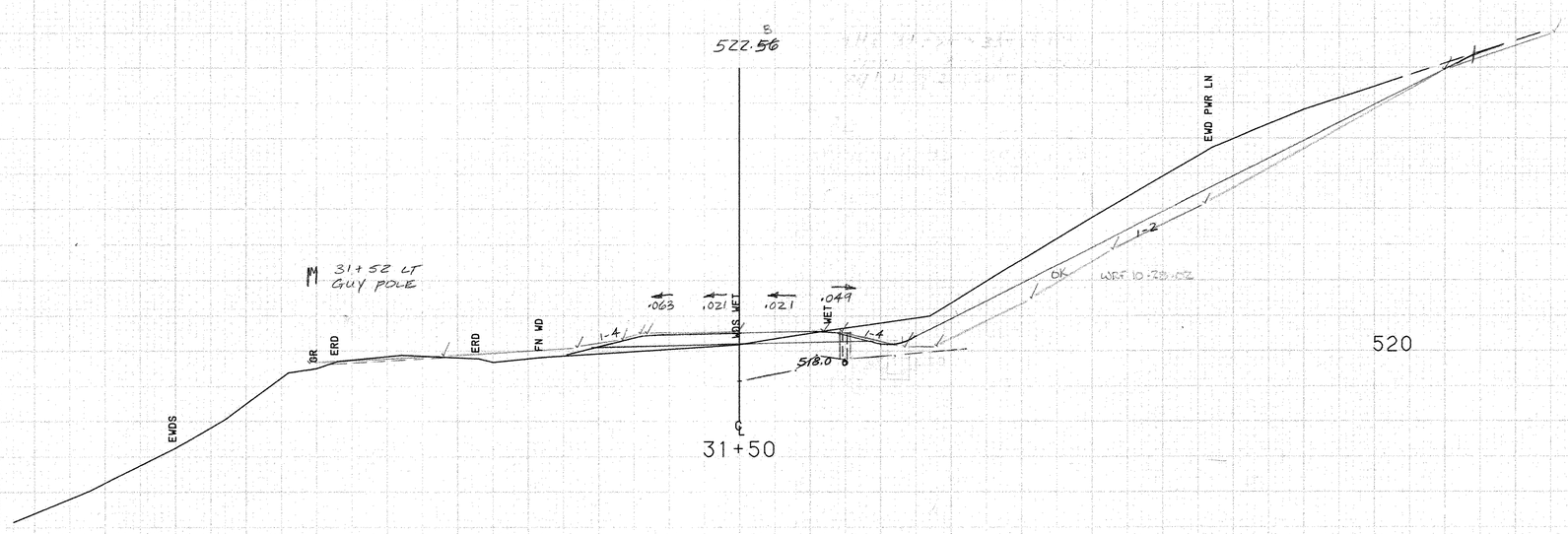


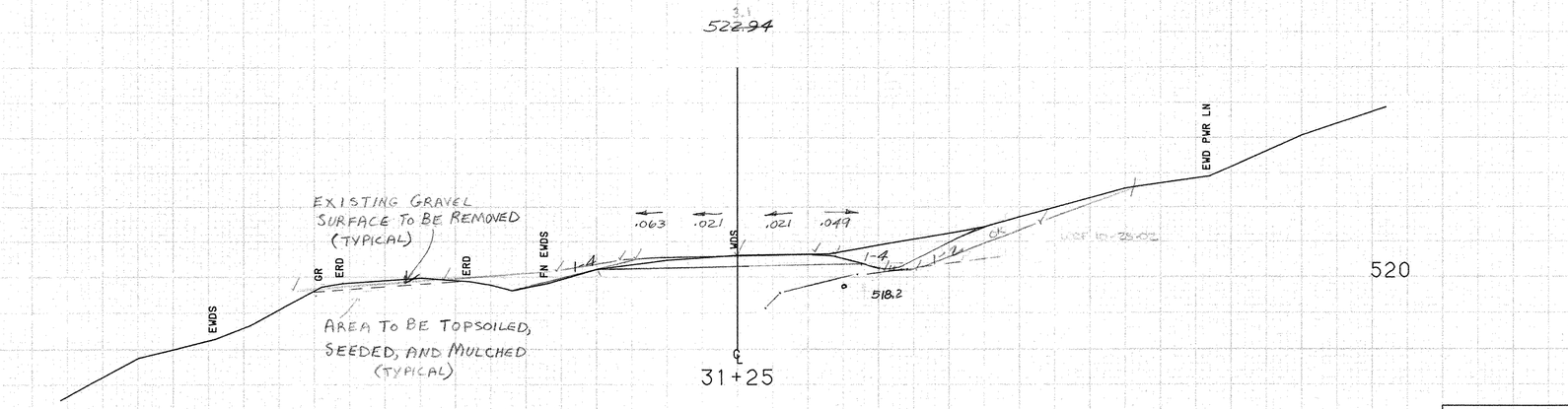
3900 - 32+54 Lt
Removal and Disposal of Guard Rail

30+75 Lt
BEGIN EXCAVATION OF SURFACES AND PAVEMENTS (AREA TO BE TOPSOILED, SEEDED, AND MULCHED)

FROM STA.	30+75	TO STA.	31+00
PROJECT NAME	MORETOWN		TH2
NO.	RS0167(9)	PLOTTED	06/09/86
SURVEYED BY	NYE	JAN. 1985	
SHEET 1/9 OF 2	3 SHEETS		

SCALE 1" = 10 FEET

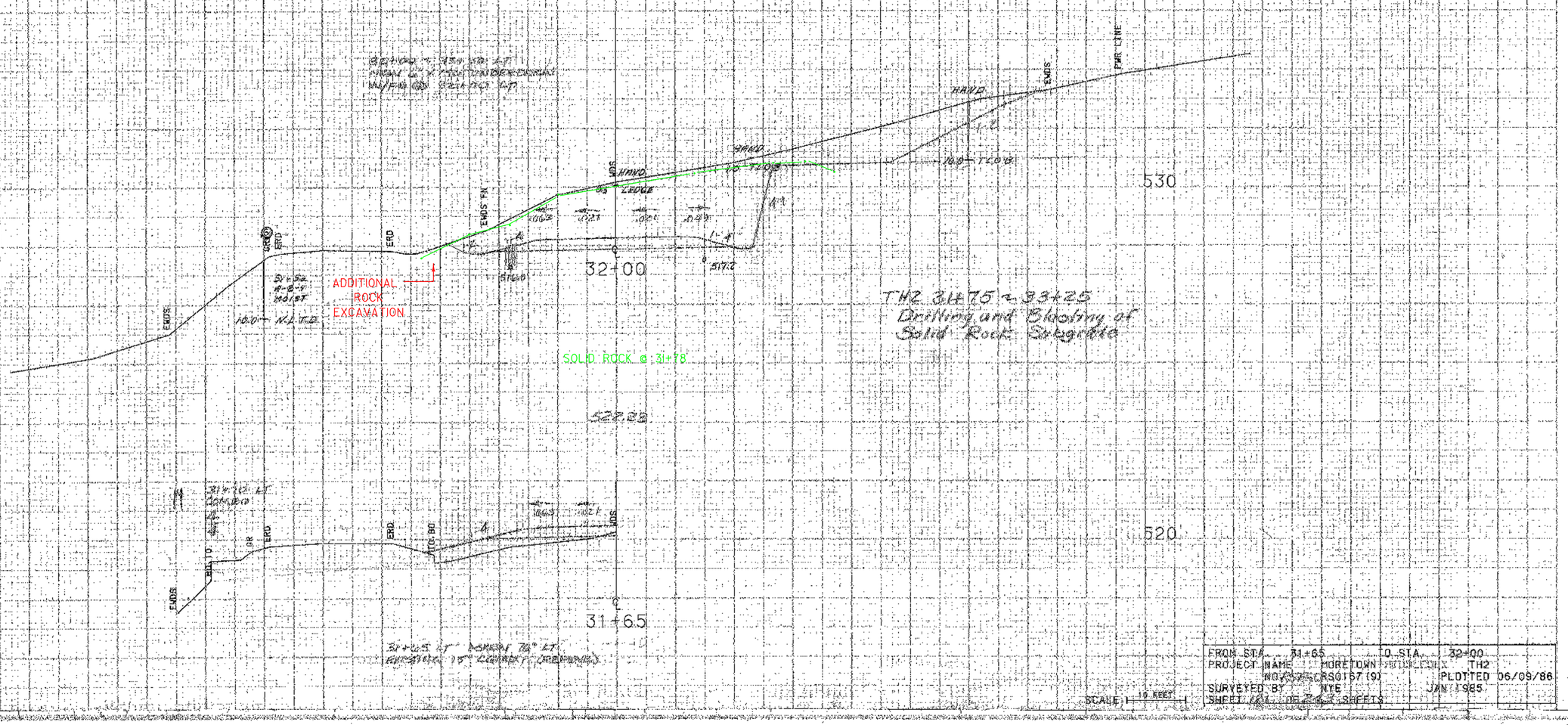




SCALE 10 FEET

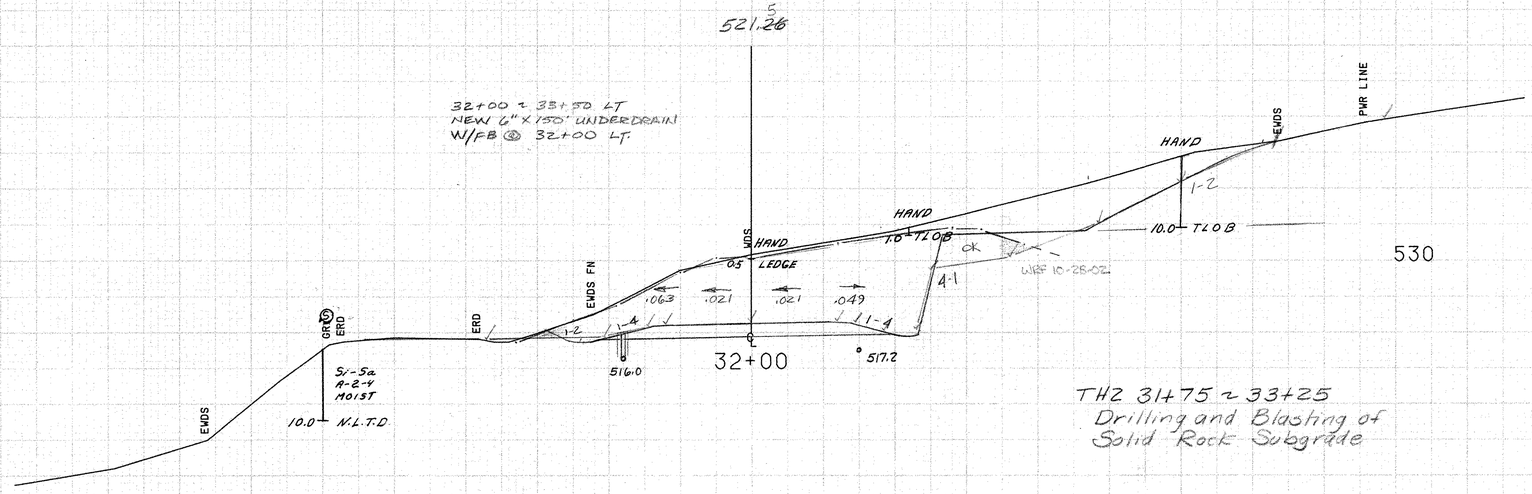
FROM STA. 31+25	TO STA. 31+50
PROJECT NAME MORETOWN-MIDDLESEX	TH2
NO. RS ECRS0167(9)	PLOTTED 06/09/86
SURVEYED BY NYE	JAN 1985
SHEET 120 OF 243 SHEETS	

522.26

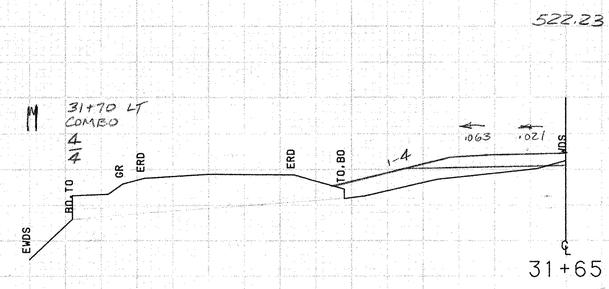


FROM STA.	31+65	TO STA.	32+00
PROJECT NAME	MORETOWN		TH2
NO.	CRS0167(9)	PLOTTED	06/09/86
SURVEYED BY	NYE		JAN 1985
SHEET NO.	OF	SHEETS	

SCALE 10 FEET



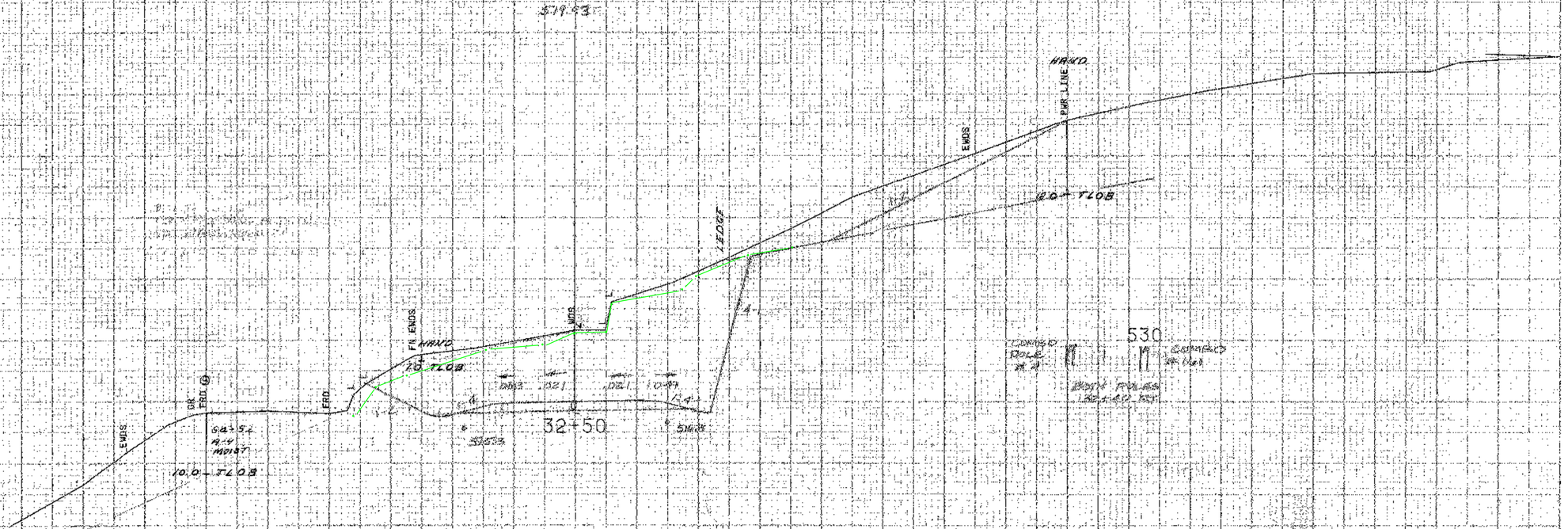
TH2 31+75 ± 33+25
Drilling and Blasting of
Solid Rock Subgrade



31+65 LT ASKEW 76° LT
EXISTING 15" CGMP - (REMOVE)

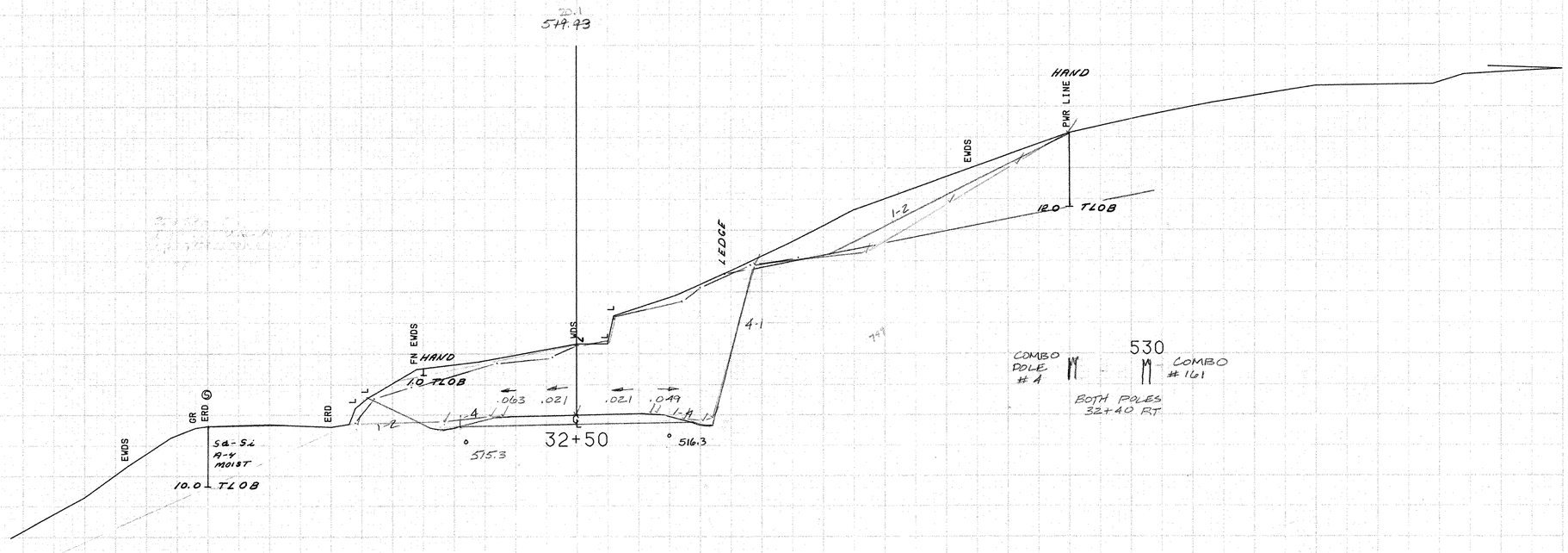
SCALE 10 FEET

FROM STA. 31+65	TO STA. 32+00
PROJECT NAME MORETOWN-MIDDLESEX	TH2
NO. RSEG CRS0167(9)	PLOTTED 06/09/86
SURVEYED BY NYE	JAN 1985
SHEET 121 OF 243 SHEETS	



FROM STA. 32+50 TO STA. 32+50
PROJECT NAME MORETOWN MIDDLESEX TH2
NO. FSO167(9) PLOTTED 06/09/86
SURVEYED BY NYE JAN 1985
SHEET 12 OF 240 SHEETS

SCALE 10 FEET



SCALE 10 FEET

FROM STA. 32+50	TO STA. 32+50
PROJECT NAME MORETOWN-MIDDLESEX TH2	
NO. RS E6CRS0167(9)	PLOTTED 06/09/86
SURVEYED BY NYE	JAN 1985
SHEET 122 OF 243 SHEETS	

33400 ± 37+07 Lt
Removal and Disposal
of Guard Rail

33+00

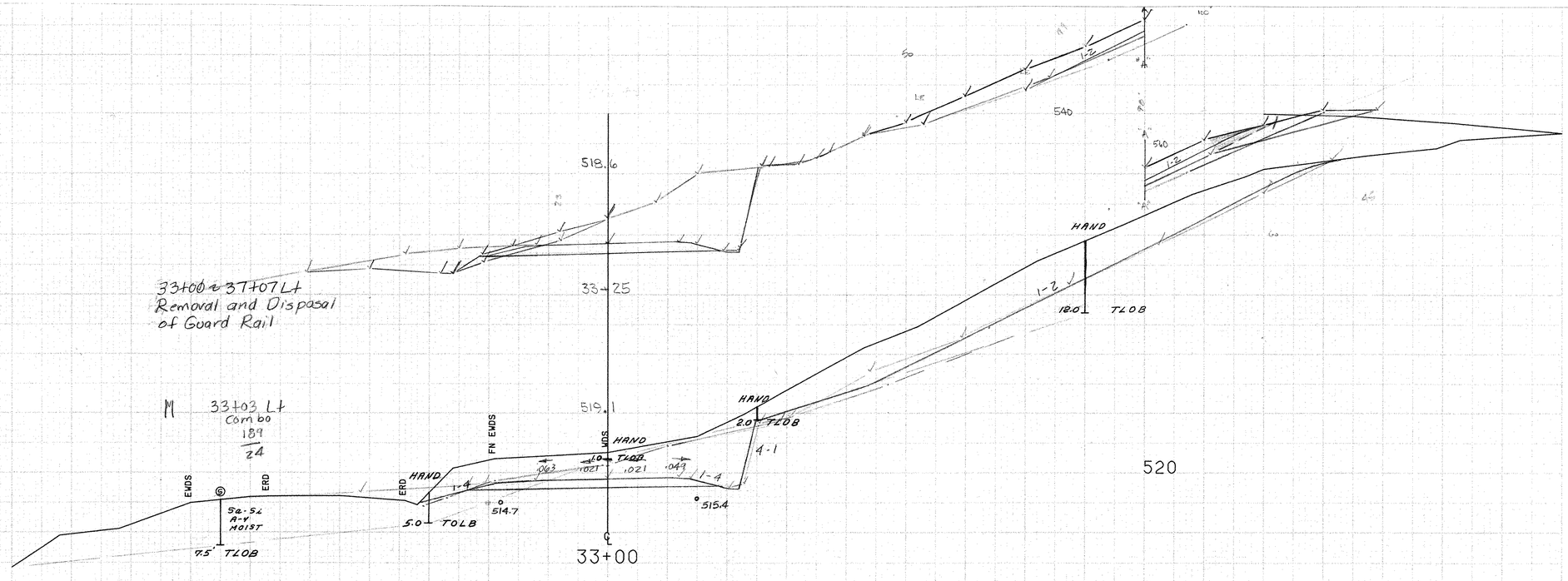
32+75

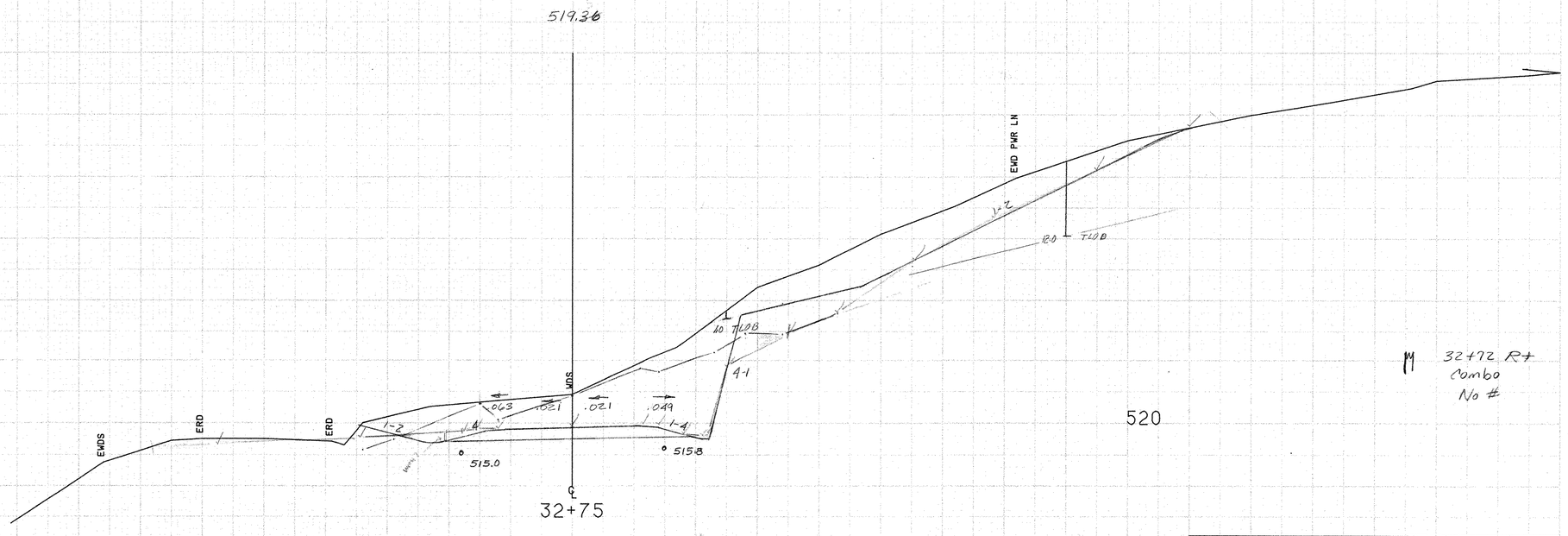
32+72 Rt
Removed
No #

520

FROM STA. 32+75 TO STA. 33400
PROJECT NAME MORETOWN MIDDLESEX TH2
NO. 9766CRS0167(9) PLOTTED 05/09/86
SURVEYED BY NYE JAN 1985
SHEET 2/3 OF 3 SHEETS

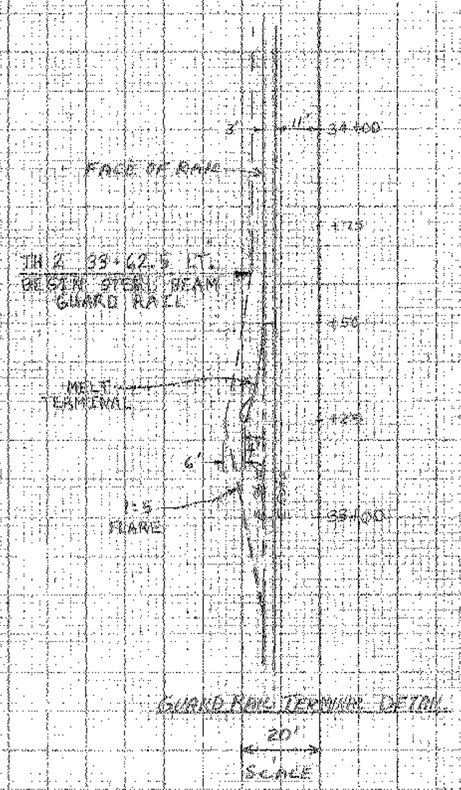
SCALE 10 FEET





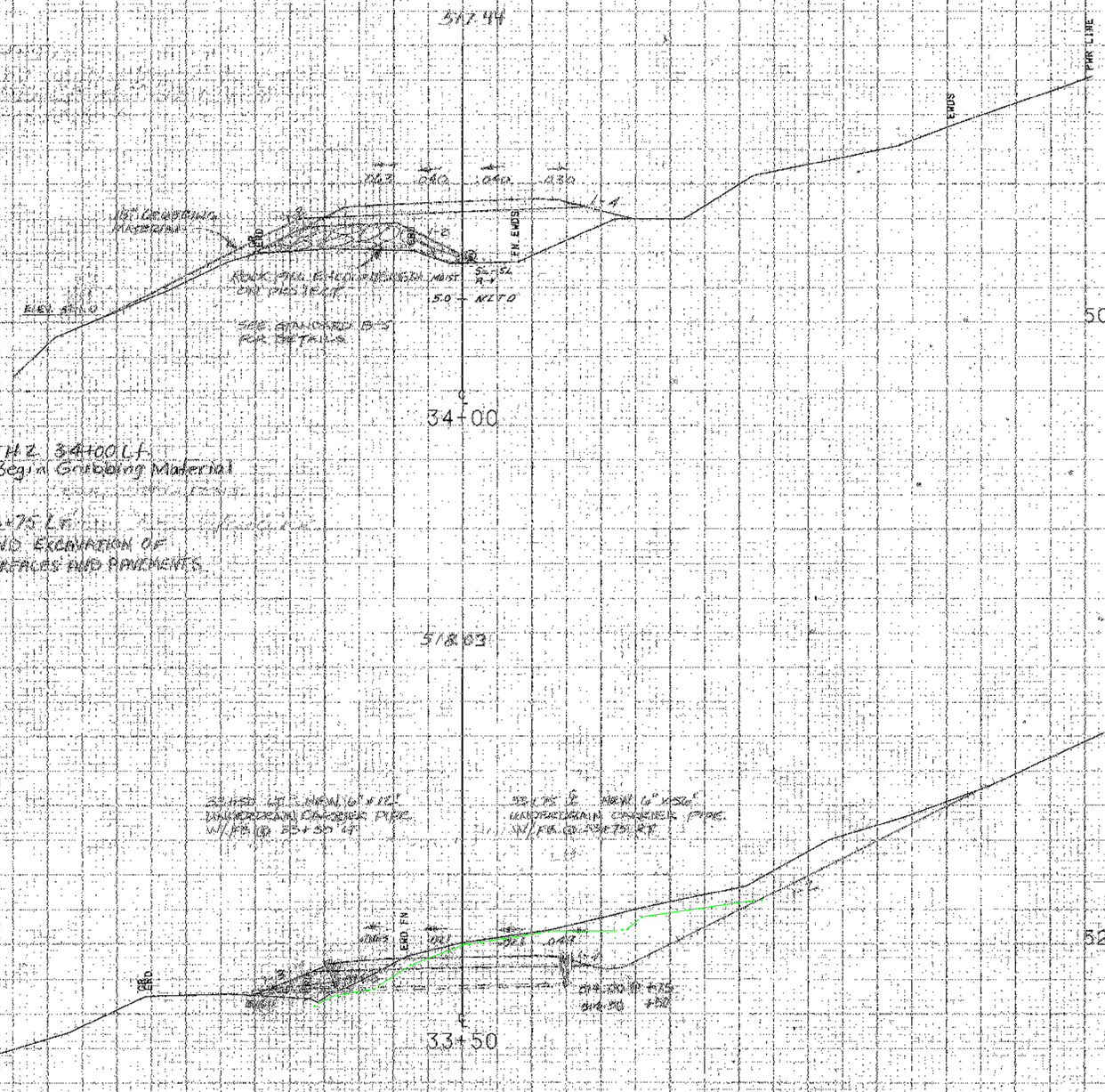
SCALE 10 FEET

FROM STA. 32+75	TO STA. 33+00
PROJECT NAME MORETOWN-MIDDLESEX TH2	
NO. RS E6CRS0167(9)	PLOTTED 06/09/86
SURVEYED BY NYE	JAN 1985
SHEET 123 OF 243 SHEETS	



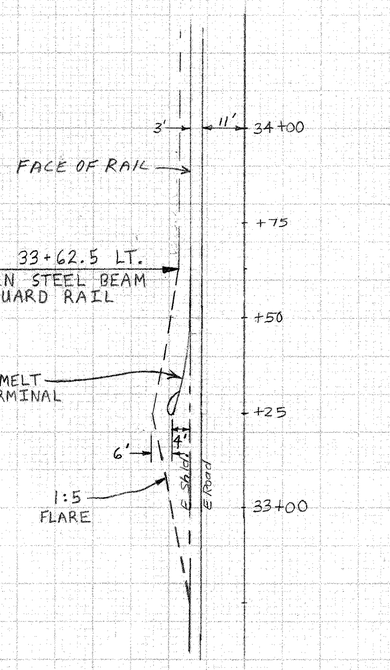
GUARD RAIL TERMINAL DETAIL

20'
SCALE



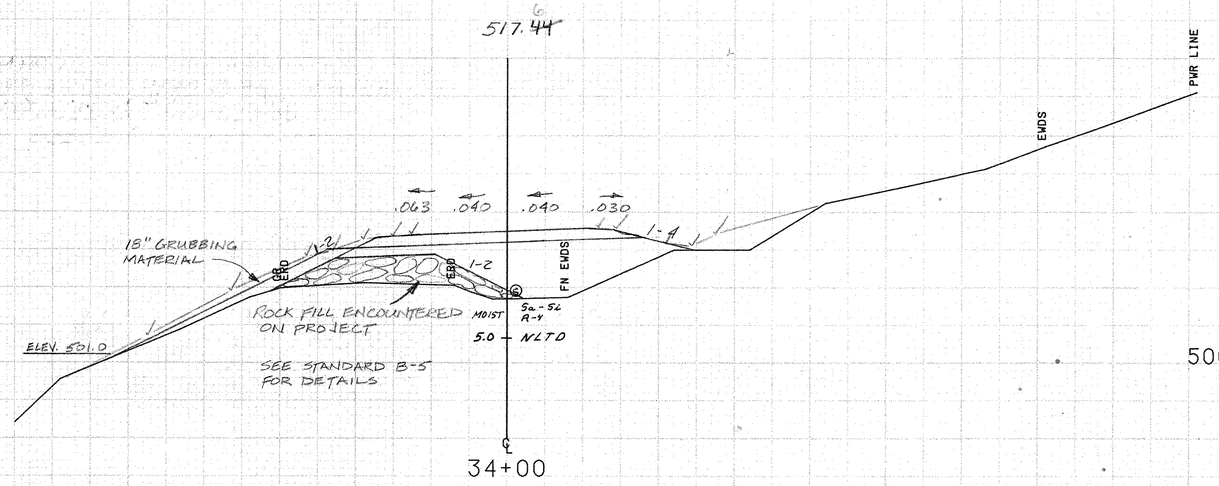
FROM STA. 33+50	TO STA. 34+00	
PROJECT NAME MORETOWN	COMPLEX TH2	
NO. X-C(R)30167(8)	PLOTTED 06/09/86	
SURVEYED BY NYE	JAN. 1985	
SHEET 7 OF 24 SHEETS		

SCALE 10 FEET



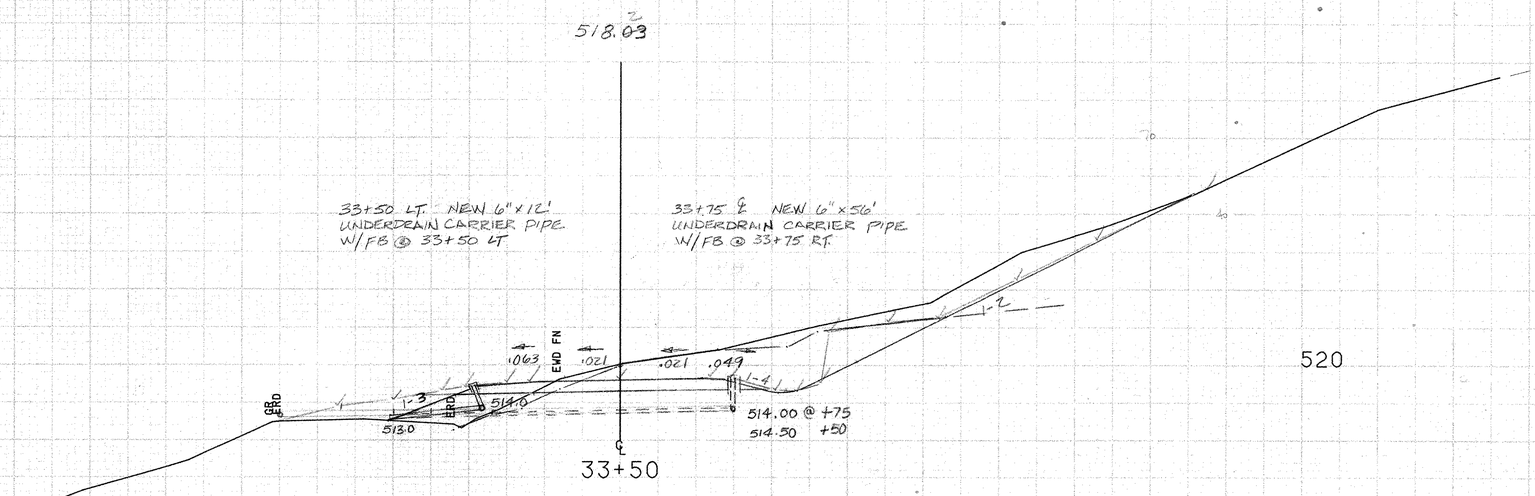
GUARD RAIL TERMINAL DETAIL

20'
SCALE



TH 2 34+00 Lt.
Begin Grubbing Material

33+75 LT.
END EXCAVATION OF
SURFACES AND PAVEMENTS



500

520

SCALE 10 FEET

FROM STA. 33+50 TO STA. 34+00
PROJECT NAME MORETOWN-MIDDLESEX TH2
NO. RS EGCRS0167(9) PLOTTED 06/09/86
SURVEYED BY NYE JAN 1985
SHEET 124 OF 243 SHEETS

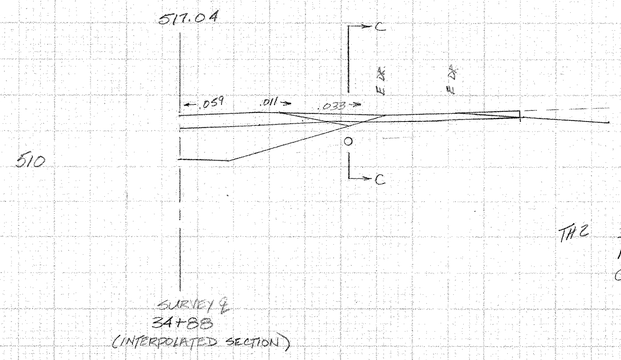
STONE FILL TYPE 4

STONE FILL TYPE 4

34+98 Rt
Drive Gate for Woven
Wire Fence (16' Wide)
(2-8' Gates w/ Opening in Middle)

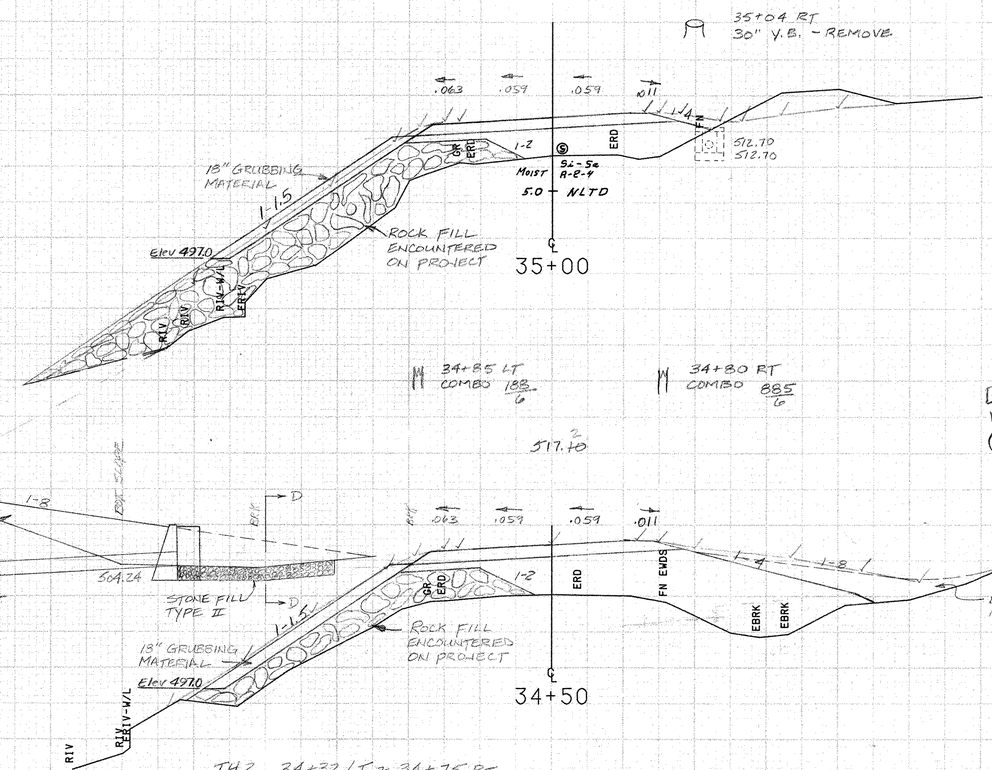
FROM STA. 34+32	TO STA. 35+00
PROJECT NAME MORETOWN	TH2
NO. BRO-CRS0167(9)	PLOTTED 05/09/86
SURVEYED BY NYE	JAN 1985
SHEET 2/2 OF 24 SHEETS	

SCALE: 1" = 10 FEET



TH2 STA 34+88 RT
CONSTRUCT 12' GRAVEL DRIVE

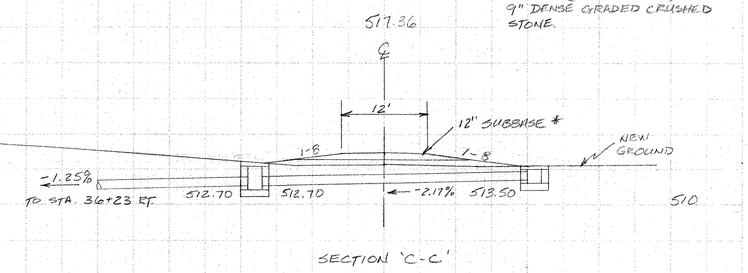
TH2 34+67 ~ 35+07 RT
NEW 15"x40' PCCSP(.064),
CAAP(.060) OR CPEP



35+20 RT
12" BUTNUT - REMOVE

35+15 RT
4" MAPLE - REMOVE

35+04 RT
30" Y.B. - REMOVE

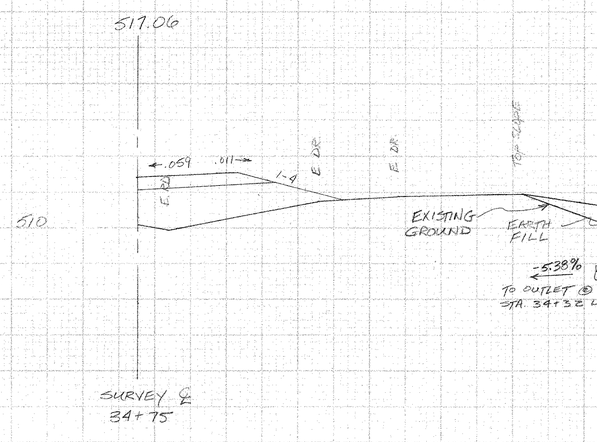


* 3" SUBBASE OF CRUSHED GRAVEL (FINE GRADED) OVER 9" DENSE GRADED CRUSHED STONE.

SECTION 'C-C'

TH2 35+07 ~ 36+23 RT
NEW 15"x116' PCCSP(.064),
CAAP(.060) OR CPEP

510



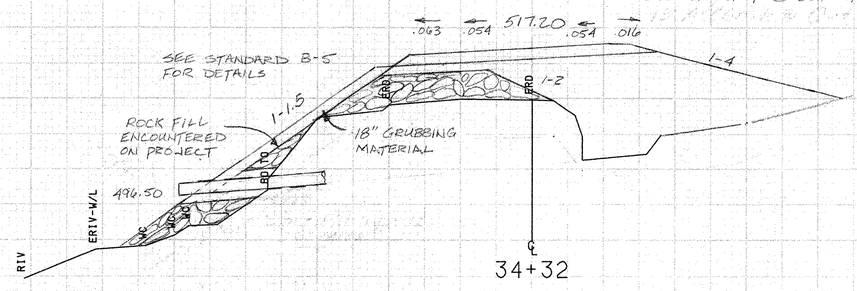
34+85 LT
COMBO 188/6

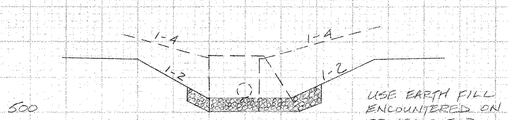
34+80 RT
COMBO 885/6

34+88 Rt
Drive Gate for Woven
Wire Fence (16' Wide)
(2-8' Gates w/ Opening in Middle)

TH2 34+32 LT ~ 34+75 RT
NEW 24"x144' PCCSP(.064),
CAAP(.060) OR CPEP w/ "L" HEADWALL
AT INLET

34+32 ℄
ASKEW 83° LT
EXISTING 1.8'x24' STONE BOX @ INLET AND
18" ACC GMP @ OUTLET - (REMOVE)





SECTION 'D-D'

500

FROM STA.	34+32 TO STA. 35+00
PROJECT NAME	MORETOWN-MIDDLESEX TH2
NO. RSEG(RS0167(9)	PLOTTED 06/09/86
SURVEYED BY	NYE JAN 1985
SHEET 125 OF 243 SHEETS	

SCALE 10 FEET

18" GALVANIZED MEDIUM

18" CORRUGATED MATERIAL

Rock Fill

SECTION B-B'

NOTE: TYPE I DETAIL TO BE USED TO BOTTOM OF CSP CORRUGATED MATERIAL SLOPE (ELEV. 517.00)

516.08

18" CORRUGATED MATERIAL

ROCK FILL ENCOUNTERED ON PROJECT

Elev 4220

36+50

36+00

35+50

36,433 SF CORRUG. PIPE

516.80

516.62

517.03

15/16 SPL

DISTRICT RT CORRUG PIPE W/TRASH

STONE FILL TYPE 4

STONE FILL TYPE 4

TWP 361 T7 - 361 E3 RT
RIEMS 18" x 58' PIPE-CSP (.064),
CMAP (.064) OR CMSP

TWP 2 361 E21 RT
CONTINUOUS CHANNEL DRIVE

TWP 2 361 E23 RT
RIEMS 18" x 58' PIPE-CSP (.064),
CMAP (.064) OR CMSP

Section A-A'

* 3' Subbase of Crushed Gravel (Type 4 Graded) over 9" Drive Graded Crushed Stone

Subbase

5.0%

-1.25%

510

GR-SM MOIST W.I.S 10.0 - W.I.T.D

MOIST 10.0 W.I.T.D

GR-SM MOIST W.I.S 10.0 - W.I.T.D

DRIVE

DRIVE

DRIVE

DIC.CO

.059

.059

.059

.011

.064

.064

.064

.011

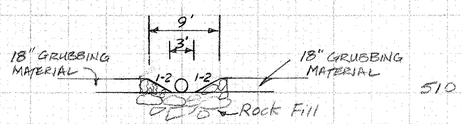
-2.1%

-14.60%

-2.1%

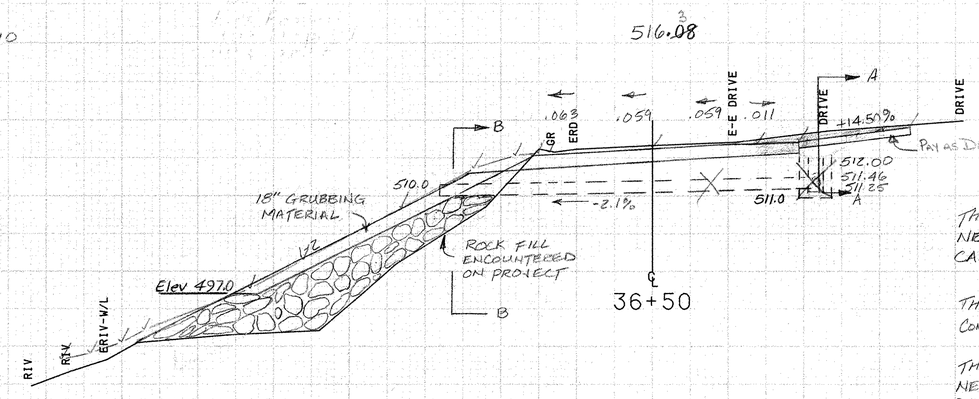
-2.1%

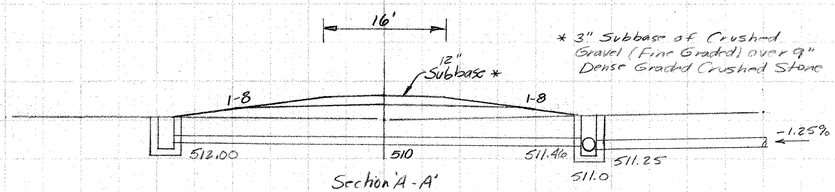
-2.1



SECTION 'B-B'

NOTE: THIS DETAIL TO BE USED TO BOTTOM OF OF GRUBBING MATERIAL SLOPE (ELEV. 497.00)





510

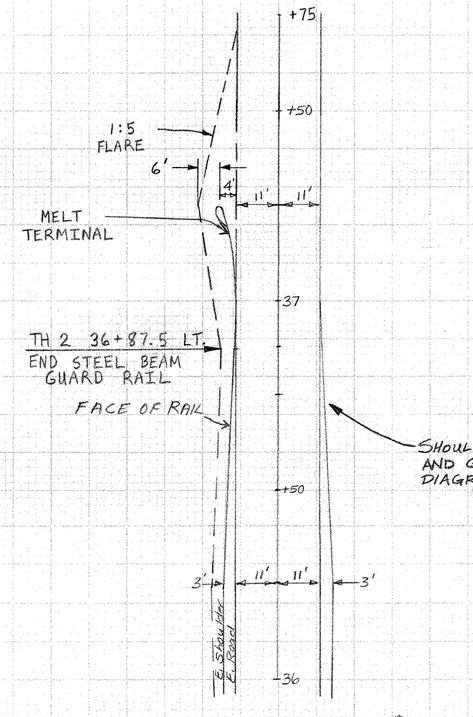
TH 2 36+79 - 36+23 RT
NEW 15" x 56' PCCSP (.064), CAAP (.060) OR CPEP

TH 2 36+50 RT
CONSTRUCT GRAVEL DRIVE

TH 2 36+23 ℄
NEW 18" x 48' PCCSP (.064), CAAP (.060) OR CPEP

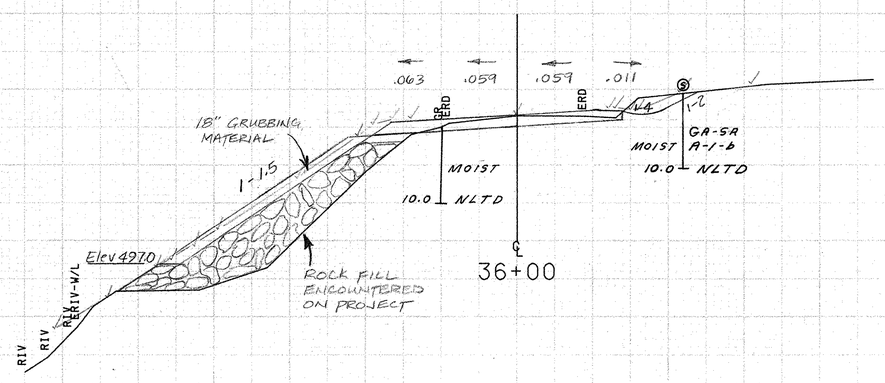
36+33 LT
COMBO POLE
187
B

516.63



GUARD RAIL TERMINAL DETAIL

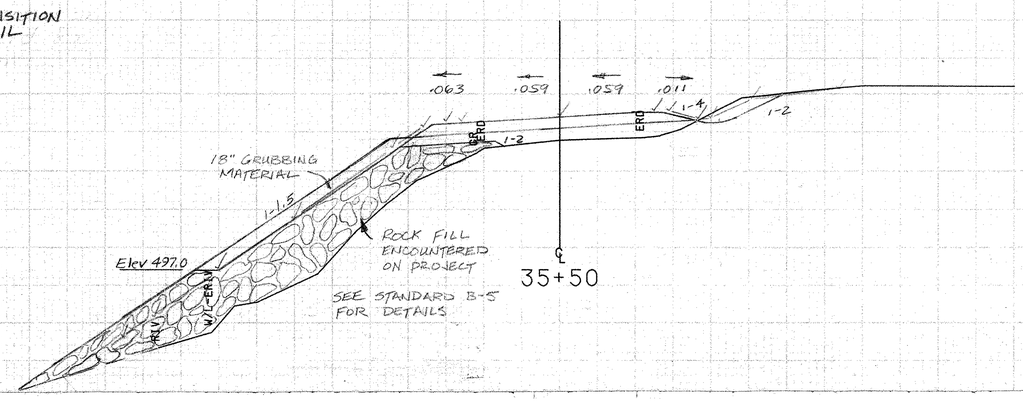
20'
SCALE



510

516.94

35+67 RT
COMBO POLE W/METER

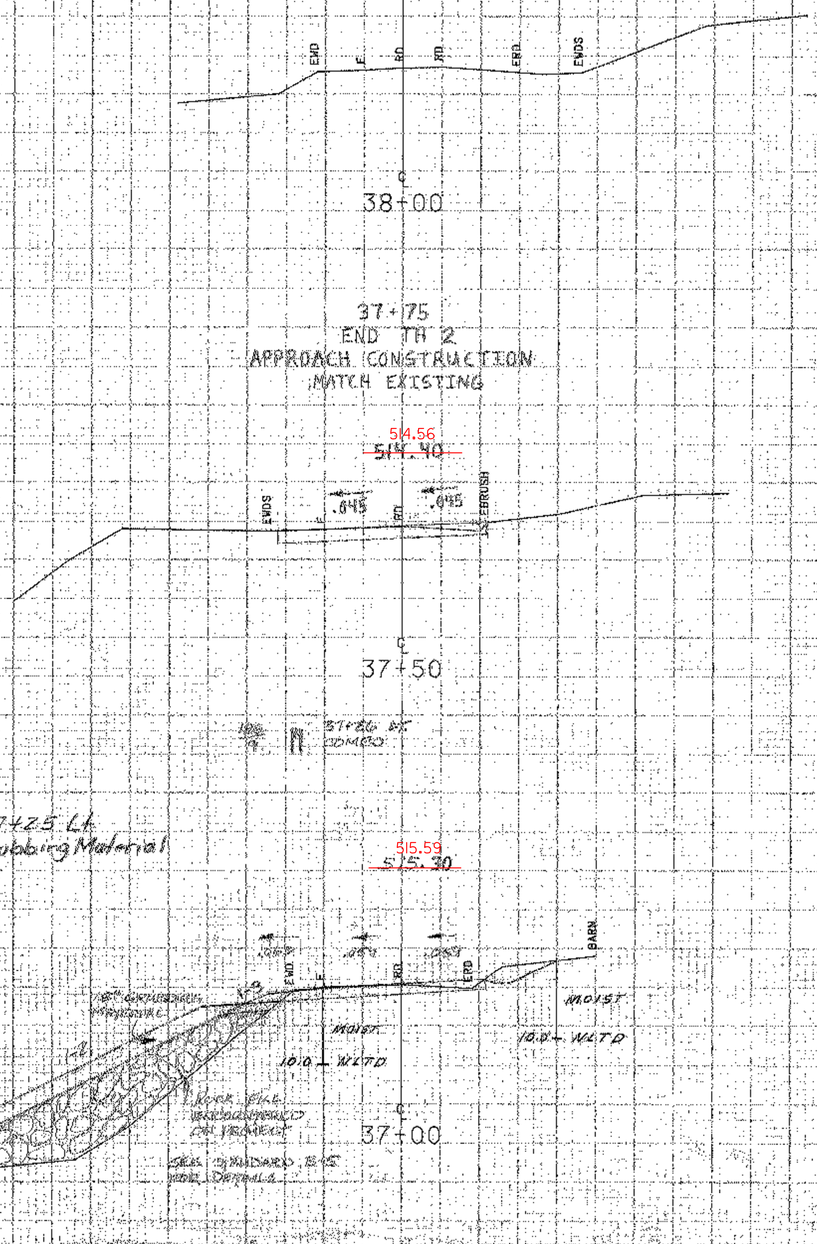


SEE STANDARD B-5 FOR DETAILS

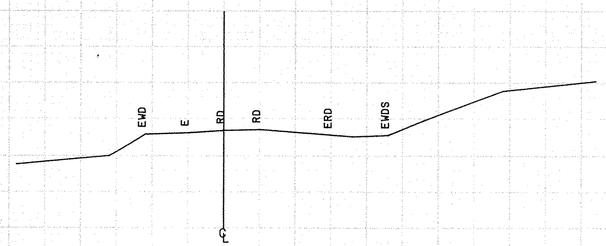
510

SCALE 10 FEET

FROM STA. 35+50	TO STA. 36+50
PROJECT NAME	MORETOWN-MIDDLESEX TH2
NO. RS EG(RS0167(9)	PLOTTED 06/09/86
SURVEYED BY NYE	JAN 1985
SHEET 126 OF 243 SHEETS	



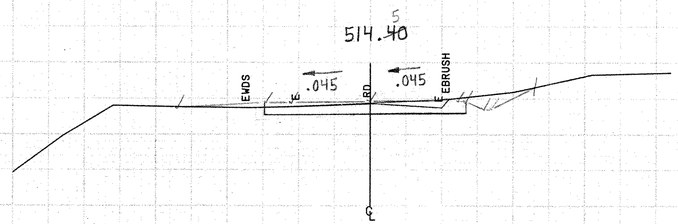
FROM STA. 37+00 TO STA. 38+00
PROJECT NAME MORETOWN TH2
NO. 0166GRS0157(9) PLOTTED 06/09/86
SURVEYED BY NYE JAN 1985
SHEET 4/6 OF 6 SHEETS
SCALE 1" TO 1 FEET



38+00

510

37+75
END TH 2
APPROACH CONSTRUCTION
MATCH EXISTING

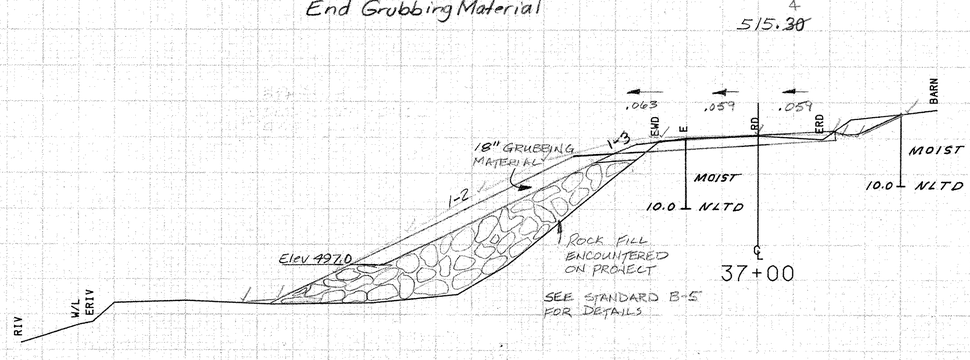


37+50

510

186/9 37+26 LT. COMBO

TH 2 37+25 LT.
End Grubbing Material

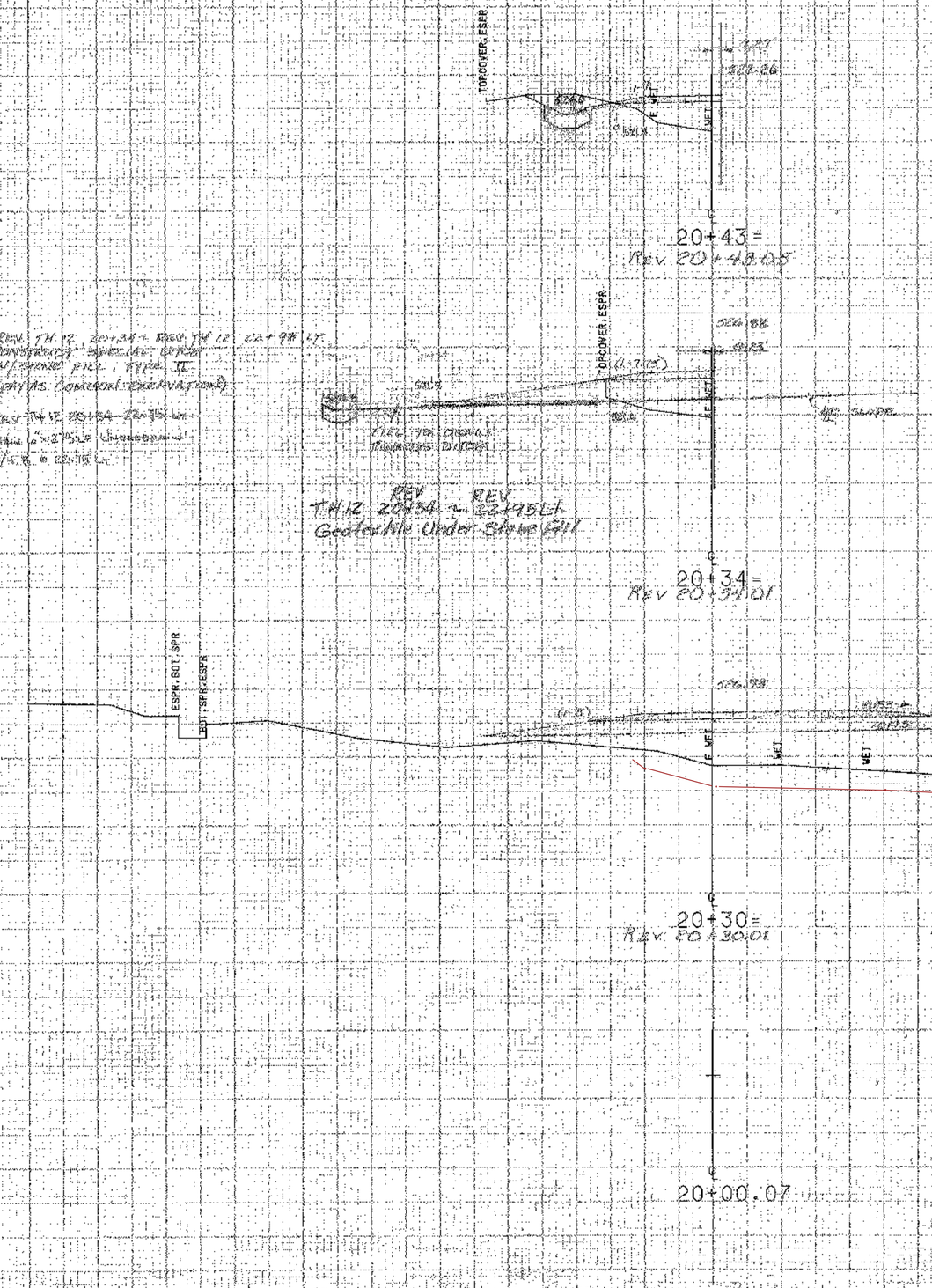


37+00

510

SCALE 10 FEET

FROM STA. 37+00	TO STA. 38+00
PROJECT NAME MORETOWN-MIDDLESEX TH2	
NO. RSEG CRS0167(9)	PLOTTED 06/09/86
SURVEYED BY NYE	JAN 1985
SHEET 127 OF 243 SHEETS	

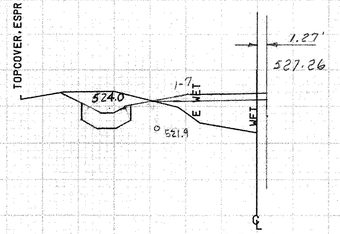


520

510

510

FROM STA. 20+00.07 TO STA. 20+43
PROJECT NAME MORETOWN
NO. ASCSGIRS0187(9) PLOTTED 10/07/86
SURVEYED BY FANTONI SEPT 86
SHEET 23 OF 23 SHEETS
SCALE 1" = 10 FEET

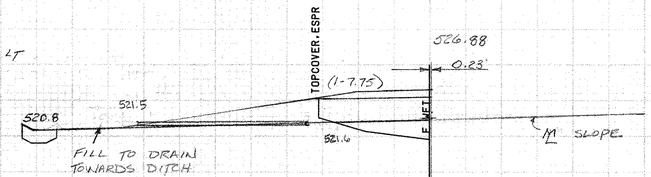


520

20+43 =
REV 20+43.05

REV. TH 12 20+34 ~ REV TH 12 22+98 LT
CONSTRUCT SPECIAL DITCH
W/ STONE FILL, TYPE II
(PAY AS COMMON EXCAVATION)

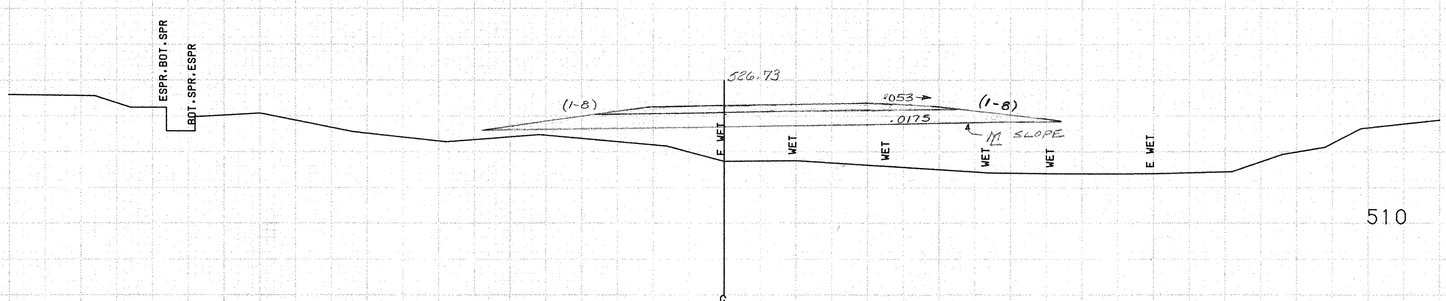
REV TH 12 20+34 ~ 22+75 LT
NEW 6" x 275 LF UNDERDRAIN
W/ F.B. @ 22+75 LT



REV
TH 12 20+34 ~ REV
22+95 LT
Geotextile Under Stone Fill

510

20+34 =
REV 20+34.01



510

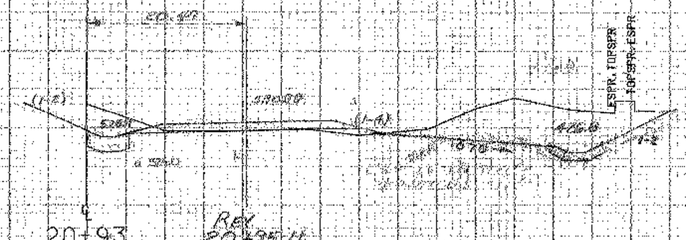
20+30 =
REV. 20+30.01

510

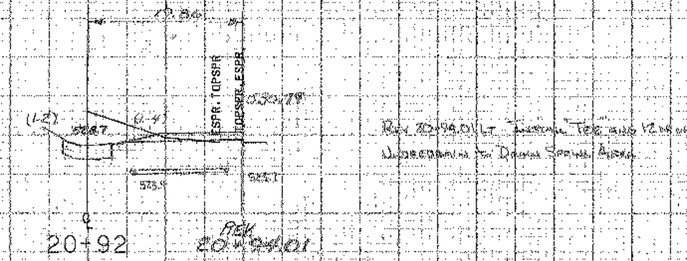
20+00.07

FROM STA.	20+00.07 TO STA. 20+43
PROJECT NAME	MORETOWN TH#12
NO.	RSEG(RS0167(9)) PLOTTED 10/07/86
SURVEYED BY	FANTONI SEPT 86
SHEET 128	OF 243 SHEETS

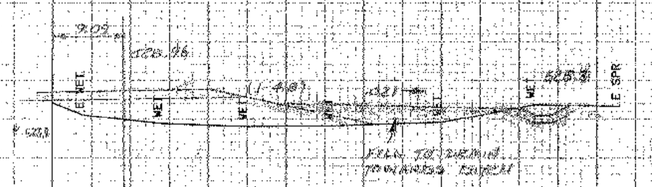
SCALE 10 FEET



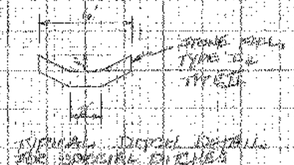
530

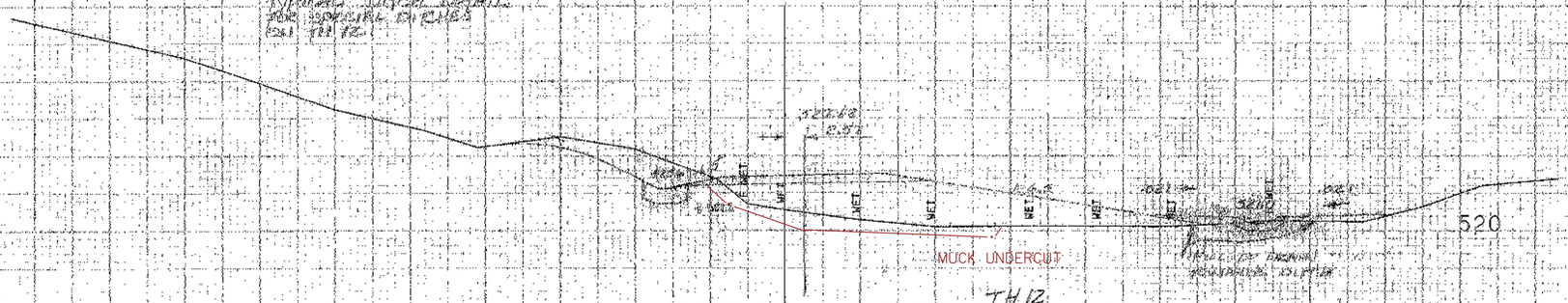


530



520





520

TH 12:
REV 20+50 - REV 22+30 Rt.
Geotextile Under Stone Fill

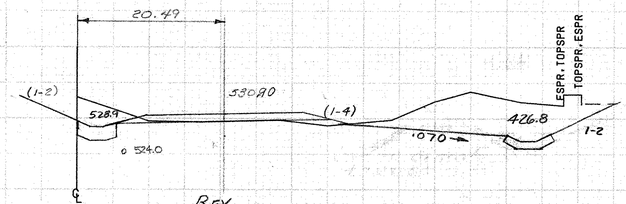
REV 20+50 Lt. & REV 22+30 Rt. TO BE CONSTRUCTED AS SPECIAL DITCH W/ STONE FILL, TYPE 'E' (FOR EC. COMMON EXCAVATION)

TH 12

FROM STA. 20+50 TO STA. 20+93

PROJECT NAME MORETOWN PLOTTED 10/07/86
NO. F-022-2(5)
SURVEYED BY FANTONI SEPT 86
SHEET 28 OF 43 SHEETS

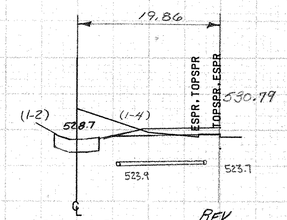
SCALE 1" = 10 FEET



530

℄
20+93

REV
20+95.11

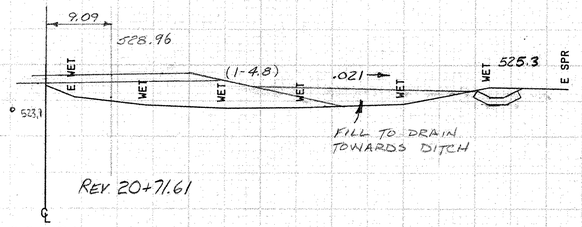


REV 20+94.01\ LT INSTALL "TEE" AND 12 LF OF UNDERDRAIN TO DRAIN SPRING AREA

530

℄
20+92

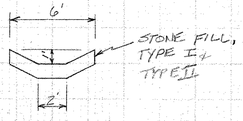
REV.
20+94.01



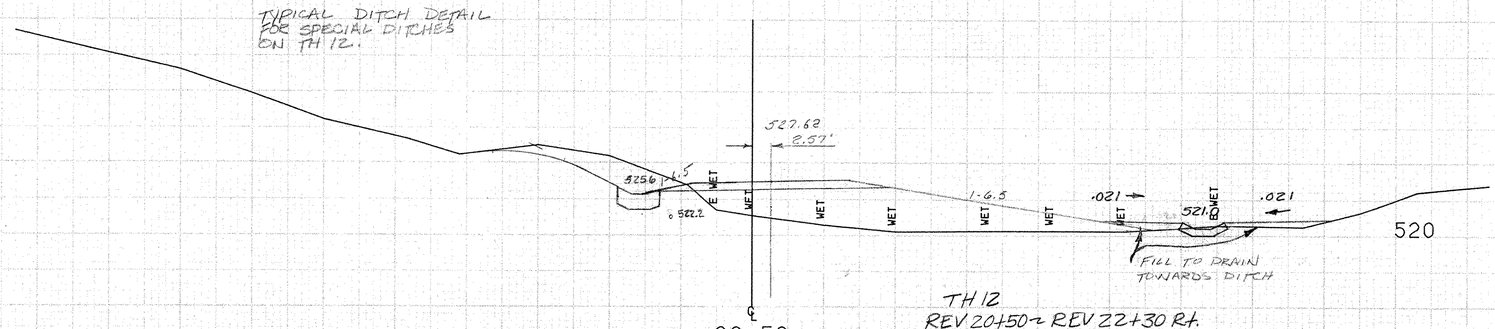
520

REV. 20+71.61

℄
20+71
REV. 20+71.61



TYPICAL DITCH DETAIL FOR SPECIAL DITCHES ON TH 12.



520

TH 12
REV 20+50 ~ REV 22+30 RT.
Geotextile Under Stone Fill

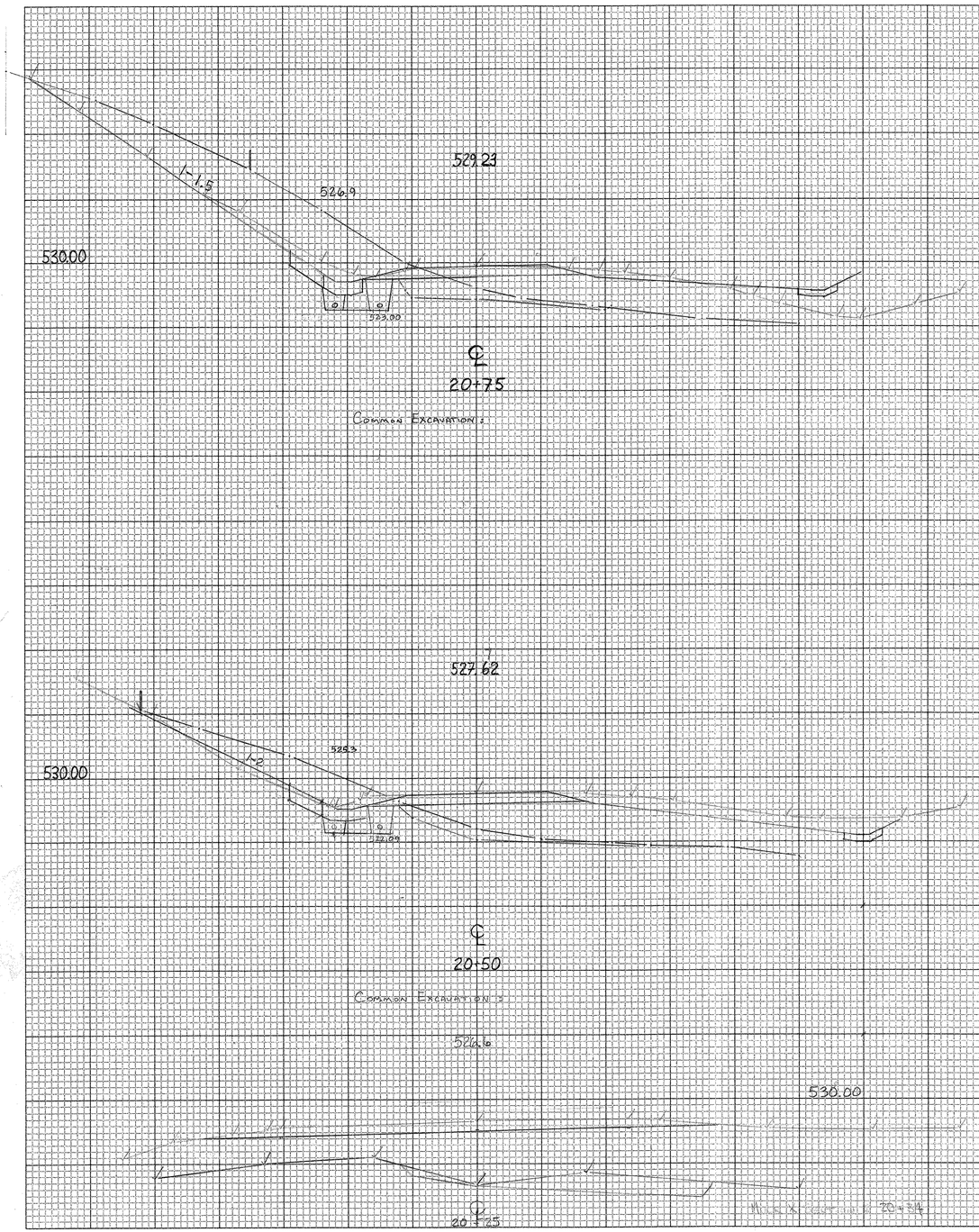
REV. 20+50 ~ REV. 22+30 RT.
CONSTRUCT SPECIAL DITCH W/ STONE FILL, TYPE I
(PAY AS COMMON EXCAVATION)

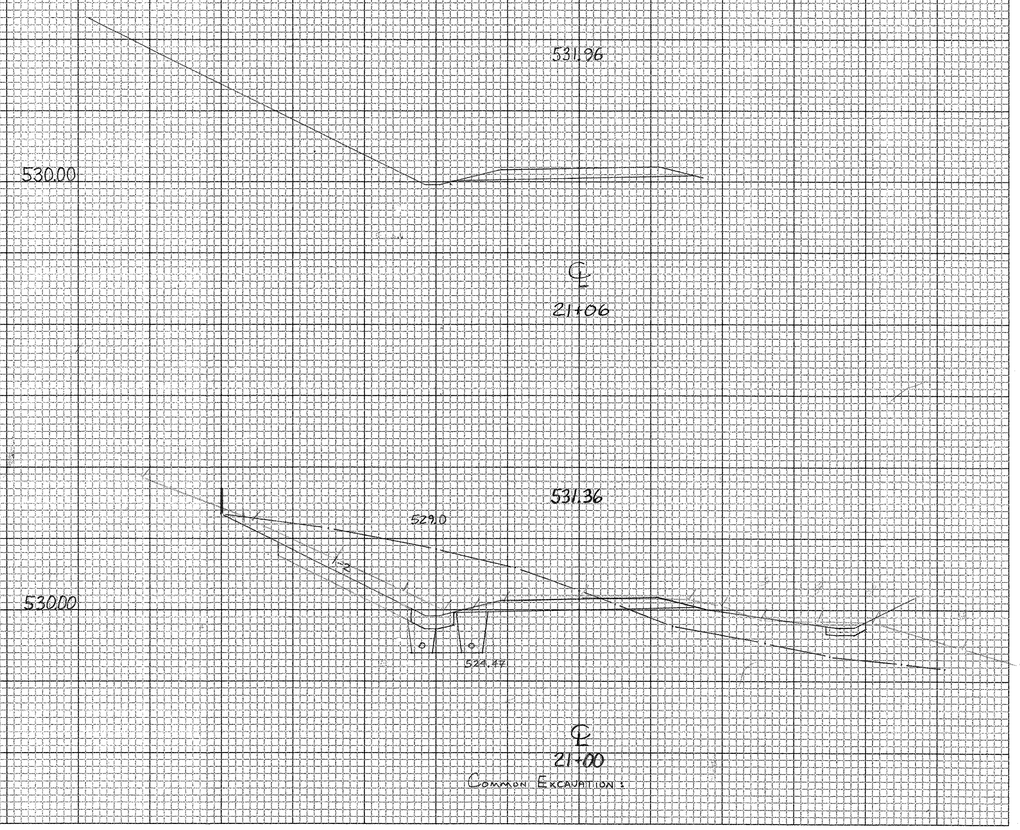
℄
20+50
REV. 20+50.11

SCALE 10 FEET

TH 12

FROM STA.	20+50	TO STA.	20+93
PROJECT NAME	MORETOWN		
NO.	RS EGCRS0167 (9)		PLOTTED 10/07/86
SURVEYED BY	FANTONI		SEPT 86
SHEET 129 OF 243 SHEETS			





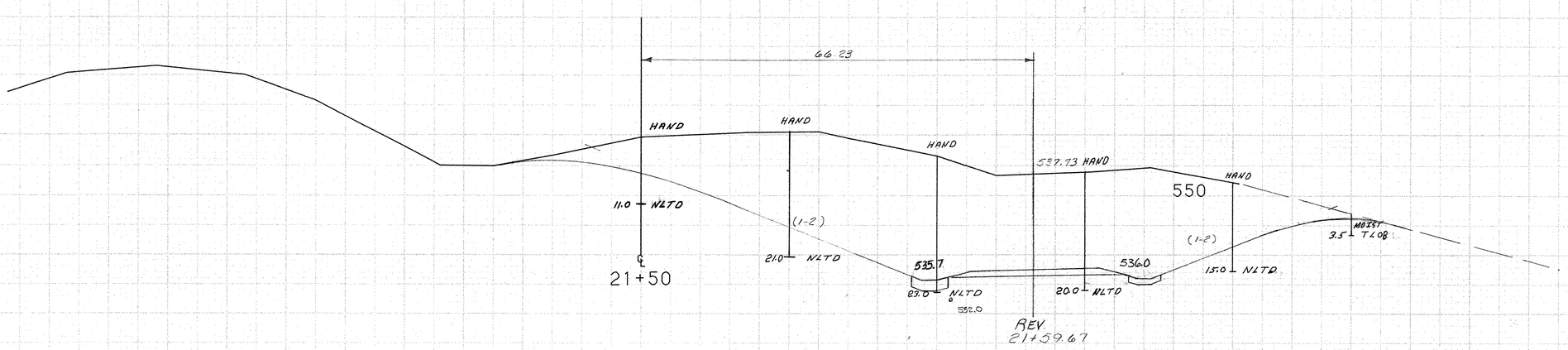
CROSS SECTION SHEET

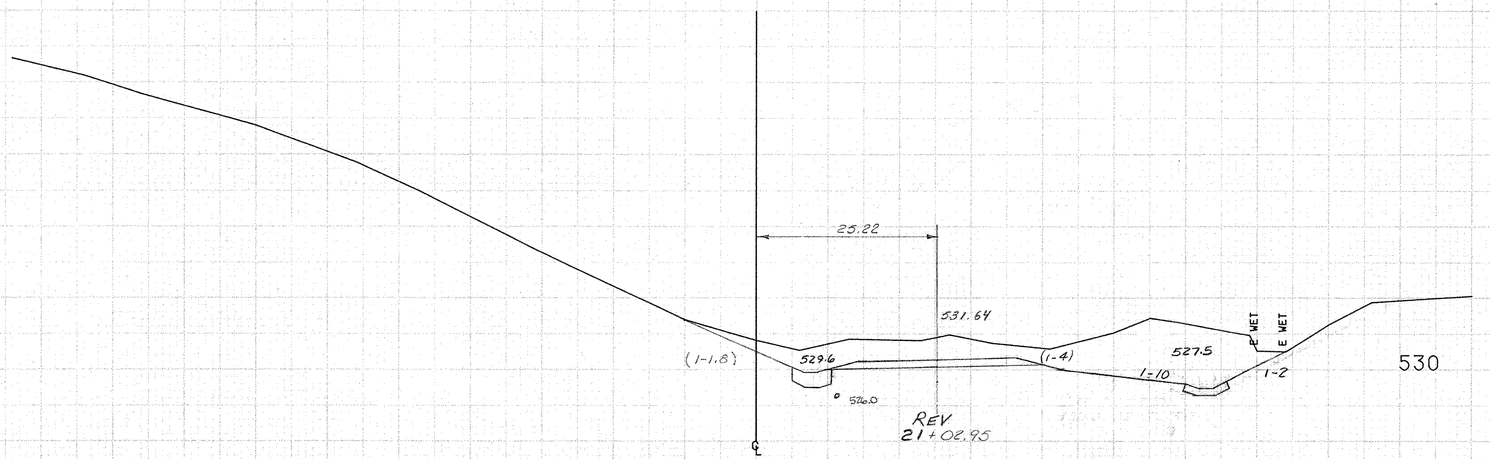
PROJECT NAME: Moretown RSEGC0167(9)
PROJECT NUMBER:

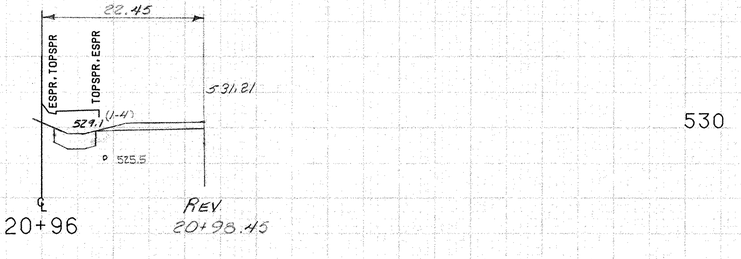
FILE NAME: TH-12
PROJECT LEADER:
DESIGNED BY:
const: g:/common/cadd/e-xsection.dgn

PLOT DATE: 05-JUN-2000 09
DRAWN BY: STW
CHECKED BY:
SHEET 1 OF 5

129A



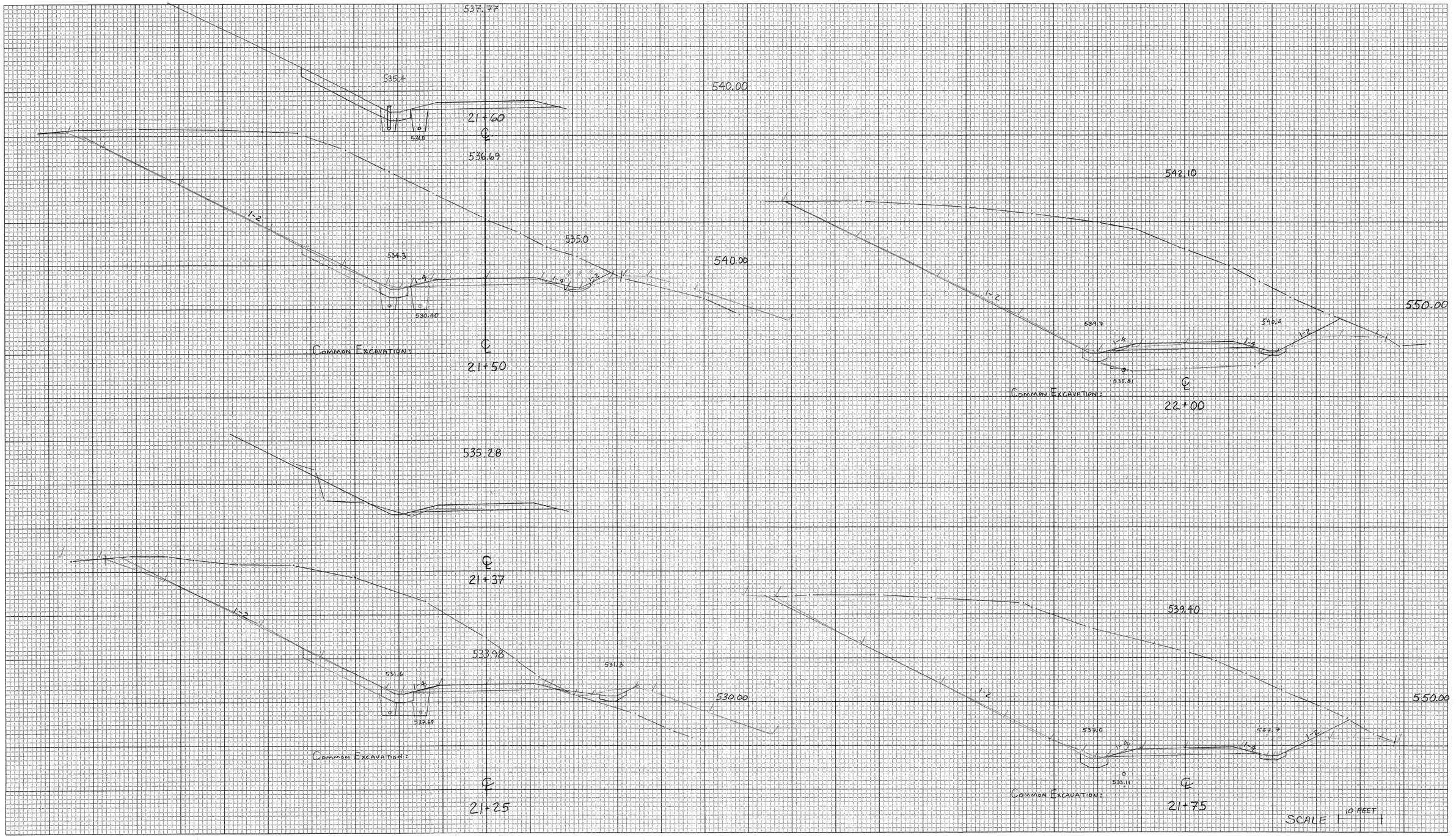




TH 12

FROM STA.	20+96	TO STA.	21+50
PROJECT NAME	MORETOWN		
NO.	RS EGCRS0167 (9)		PLOTTED 10/07/86
SURVEYED BY	FANTONI		SEPT 86
SHEET 130	OF 243 SHEETS		

SCALE 10 FEET



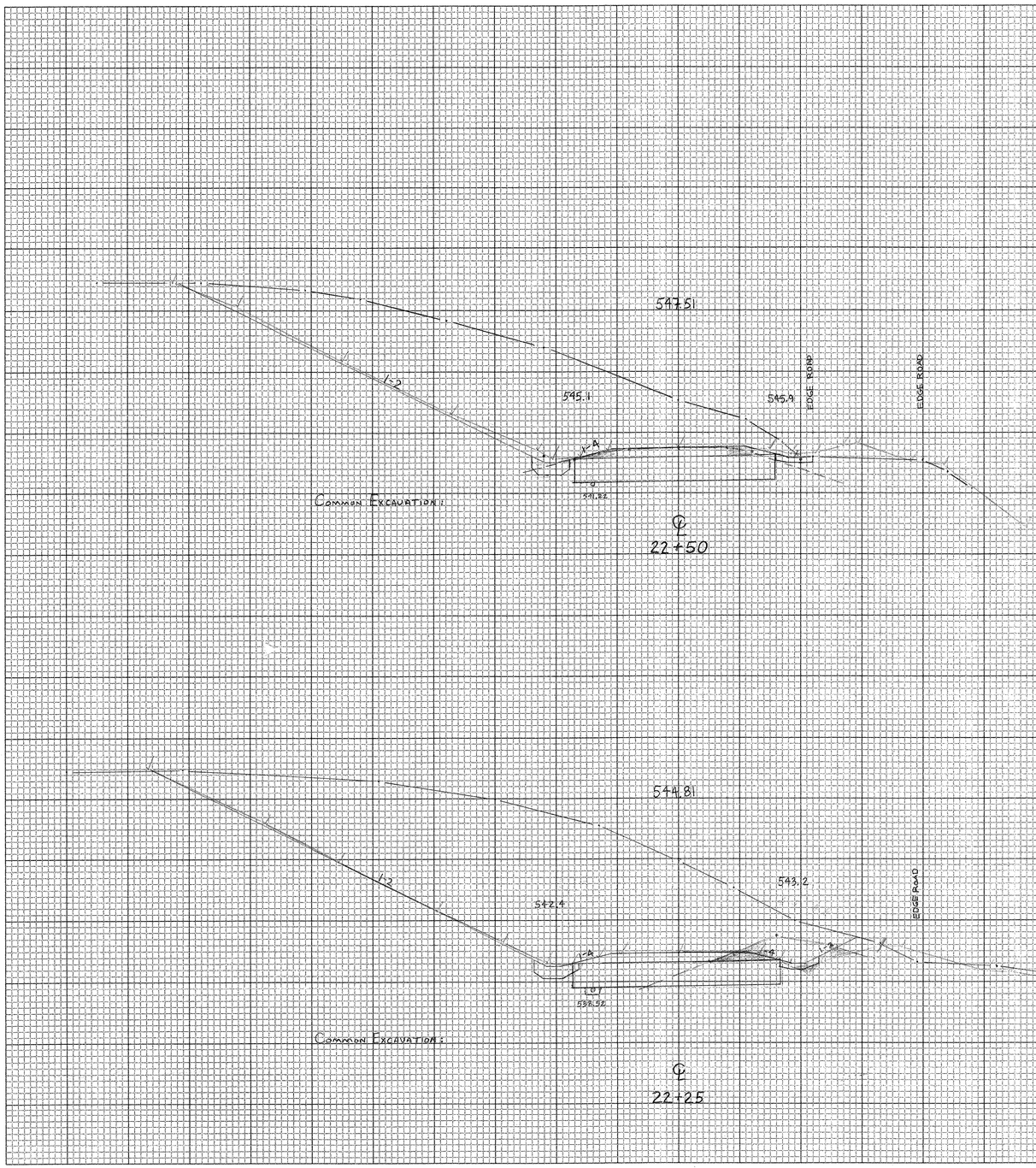
CROSS SECTION SHEET

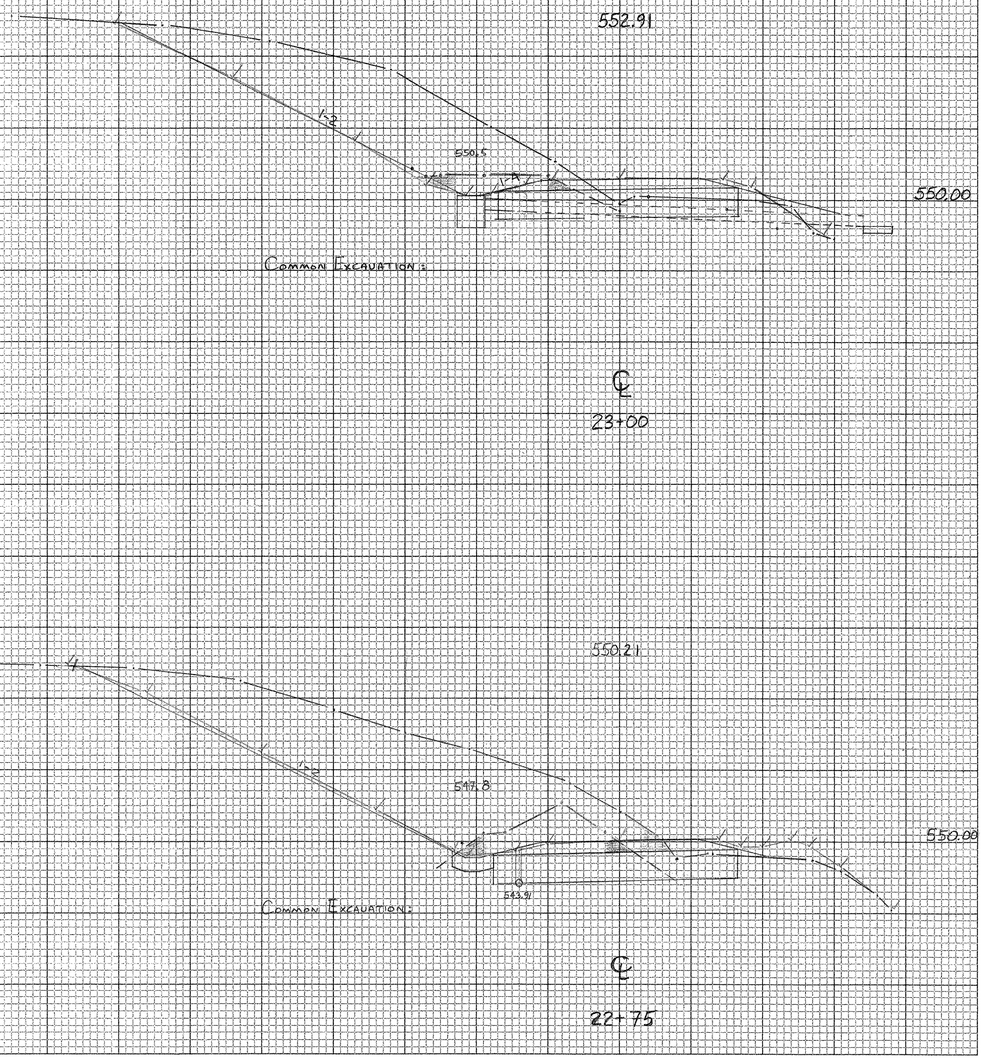
PROJECT NAME: Moretown
PROJECT NUMBER: RSEGC RS0167(9)

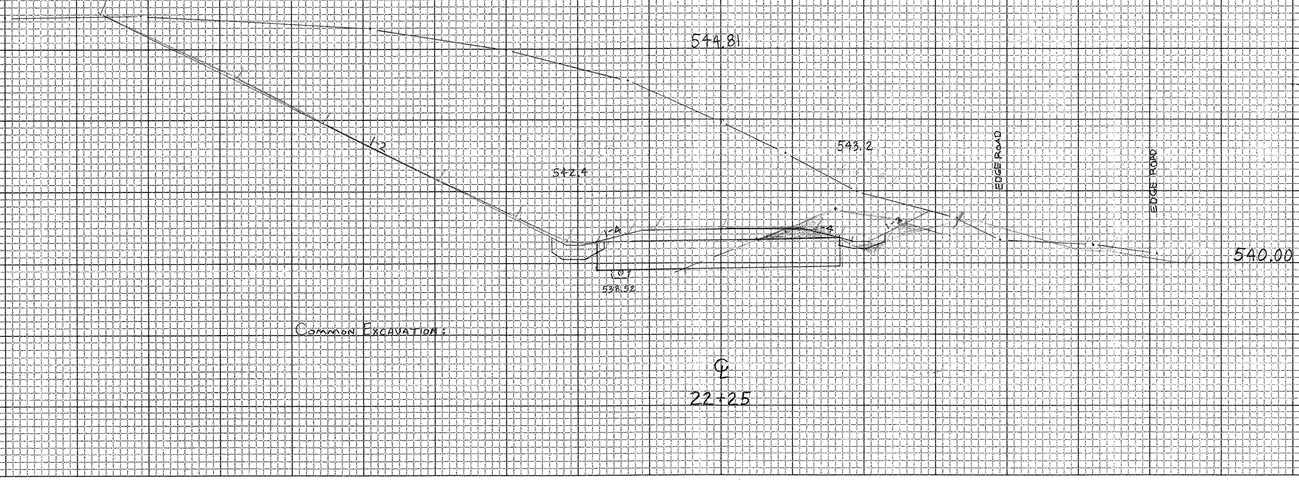
FILE NAME: TH 12
PROJECT LEADER:
DESIGNED BY:
const: g:/common/cadd/e-xsection.dgn

PLOT DATE: 05-JUN-2000 09
DRAWN BY: STW 10-2-00
CHECKED BY:
SHEET 2 OF 5

130A

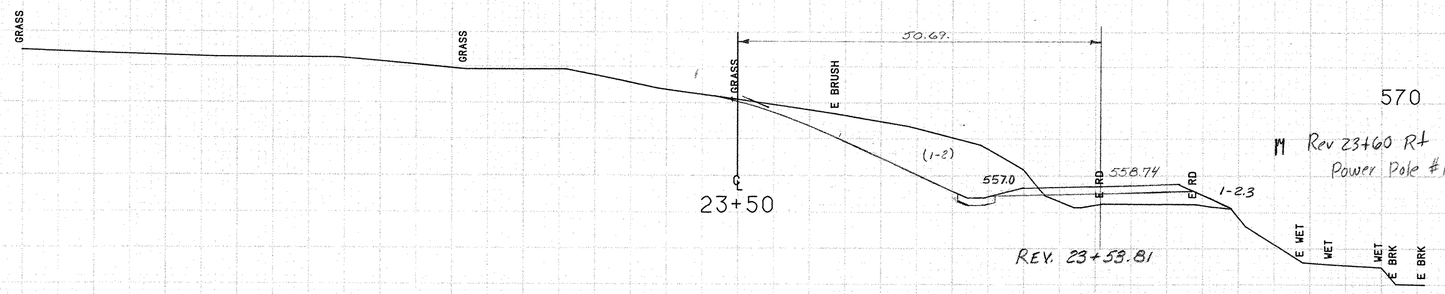


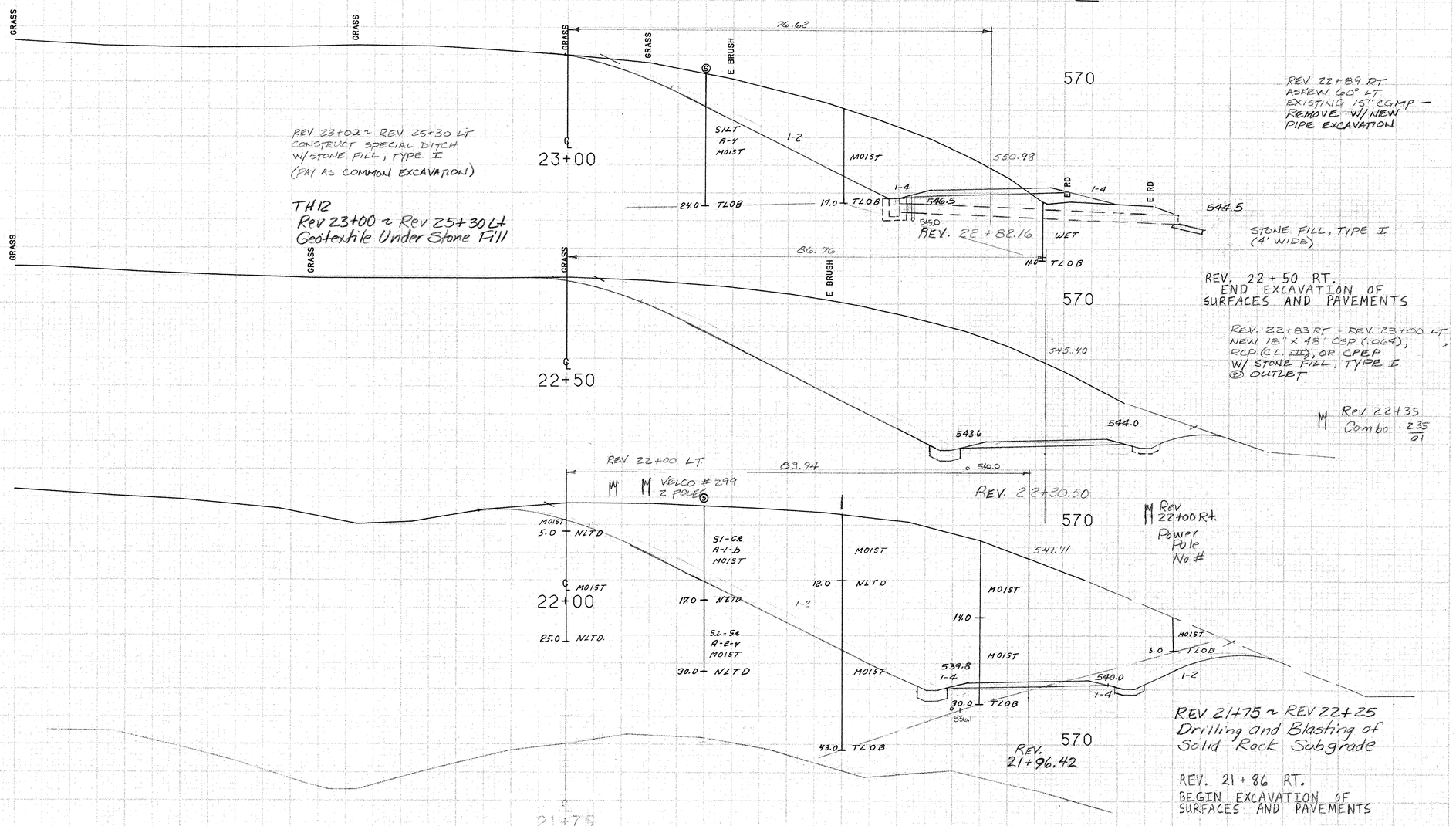




CROSS SECTION SHEET

PROJECT NAME: Moretown
PROJECT NUMBER: RSEGC0167(9)
FILE NAME: TH-12
PROJECT LEADER:
DESIGNED BY:
const: g:/common/cadd/e-xsection.dgn
PLOT DATE: 05-JUN-2000 09
DRAWN BY: STW
CHECKED BY:
SHEET 3 OF 5

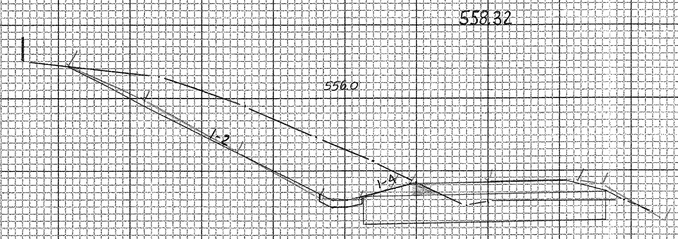




TH12

FROM STA. 21+75	TO STA. 23+50
PROJECT NAME MORETOWN	
NO. RS EGCRS0167(9)	PLOTTED 10/07/86
SURVEYED BY FANTONI	SEPT 86
SHEET 131 OF 243 SHEETS	

SCALE 10 FEET

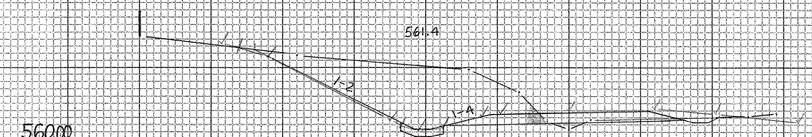


COMMON EXCAVATION:

℄
23+50

LEDGE ZERO

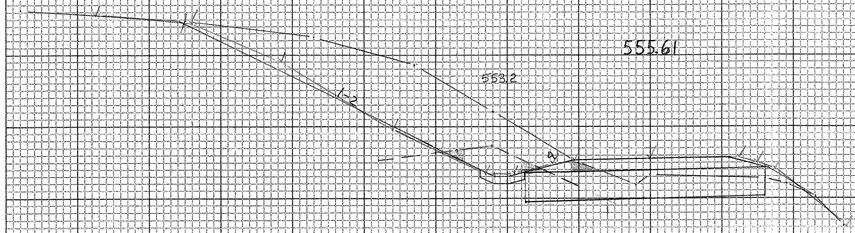
560.00



560.00

COMMON EXCAVATION:

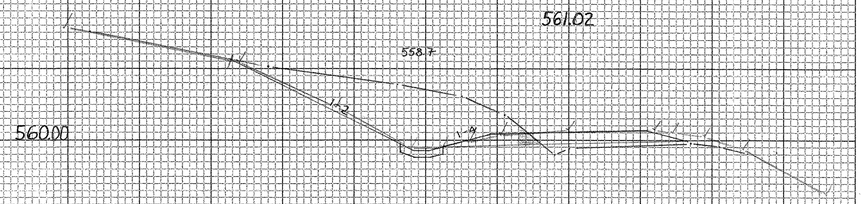
℄
24+00



560.00

COMMON EXCAVATION:

℄
23+25



560.00

COMMON EXCAVATION:

℄
23+75

CROSS SECTION SHEET

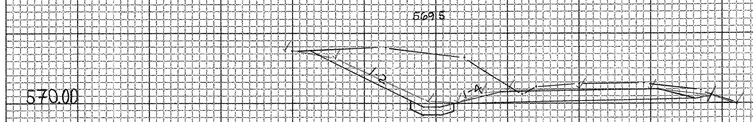
PROJECT NAME: MORETOWN
PROJECT NUMBER: RSEGC0167(9)

FILE NAME: TH-12
PROJECT LEADER:
DESIGNED BY:
const: g:/common/cadd/e-xsection.dgn

PLOT DATE: 05-JUN-2000 09
DRAWN BY: STW
CHECKED BY:
SHEET 4 OF 5

131A

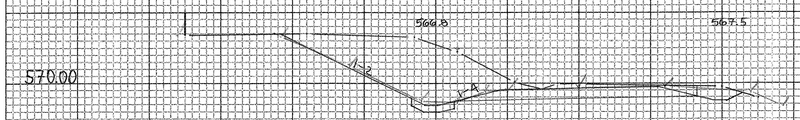
571.85



COMMON EXCAVATION

℄
24+75

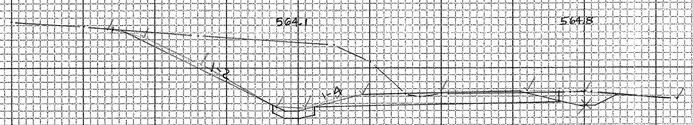
569.14



COMMON EXCAVATION

℄
24+50

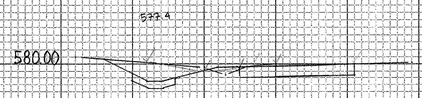
566.44



COMMON EXCAVATION

℄
24+25

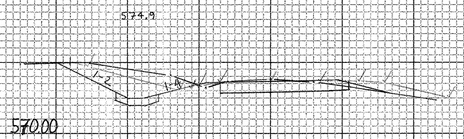
579.76



COMMON EXCAVATION

℄
25+50

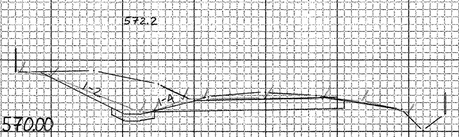
577.25



COMMON EXCAVATION

℄
25+25

574.55



COMMON EXCAVATION

℄
25+00

582.25

COMMON EXCAVATION

℄
25+75

CROSS SECTION SHEET

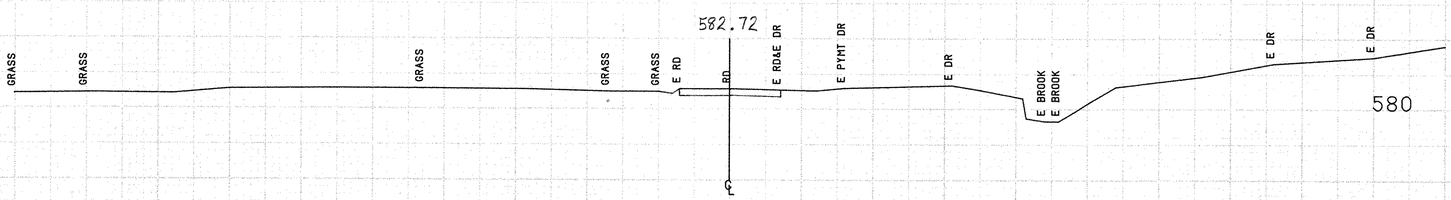
PROJECT NAME: MORETOWN
PROJECT NUMBER: RSEGC0167(9)

FILE NAME: TH-12
PROJECT LEADER:
DESIGNED BY:
const: g:/common/cadd/e-xsection.dgn

PLOT DATE: 05-JUN-2000 09
DRAWN BY: STW
CHECKED BY:
SHEET 5 OF 5

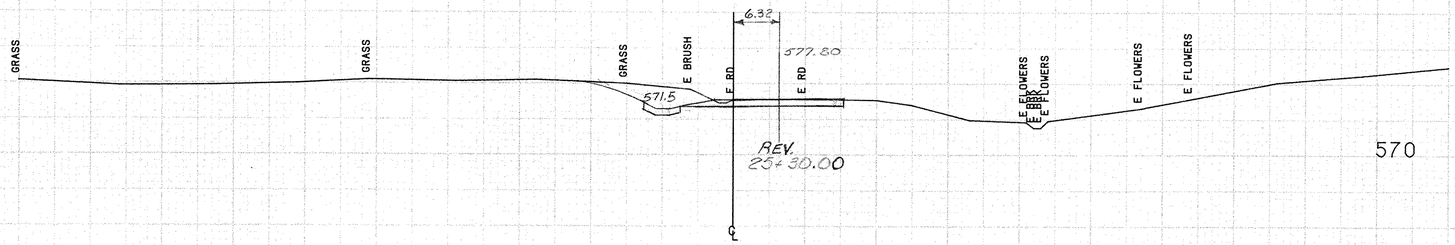
131B

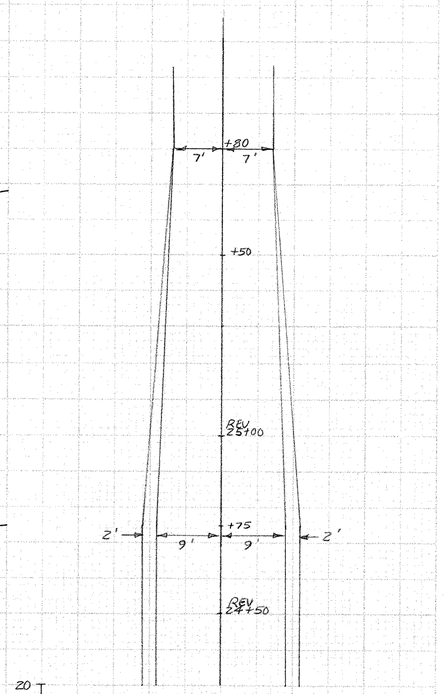
REV. POT 25+79.69 =
SURV. PT 66+60.87
EQ = +31.07'



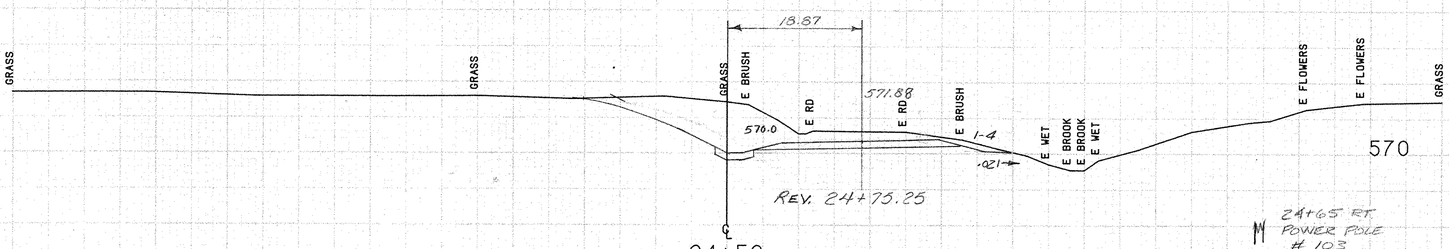
25+48.62 =
REV. 25+79.69

END OF TH 12
APPROACH CONSTRUCTION

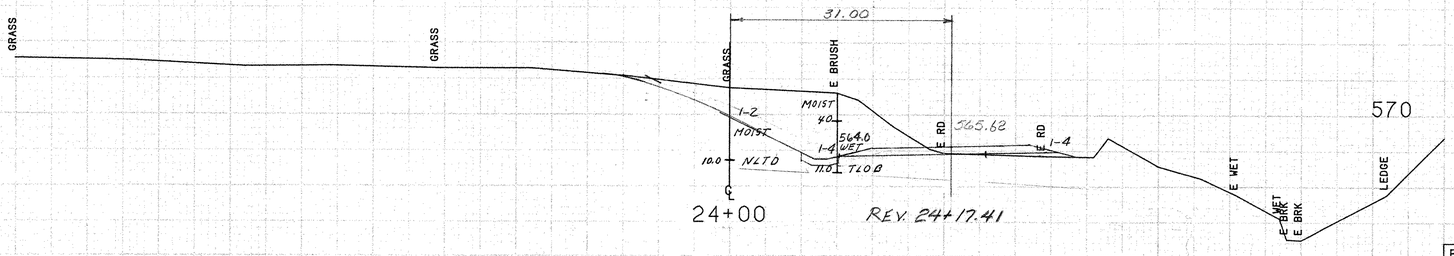




Shoulder and Roadway Transition Diagram



24+65 RT.
POWER POLE
103

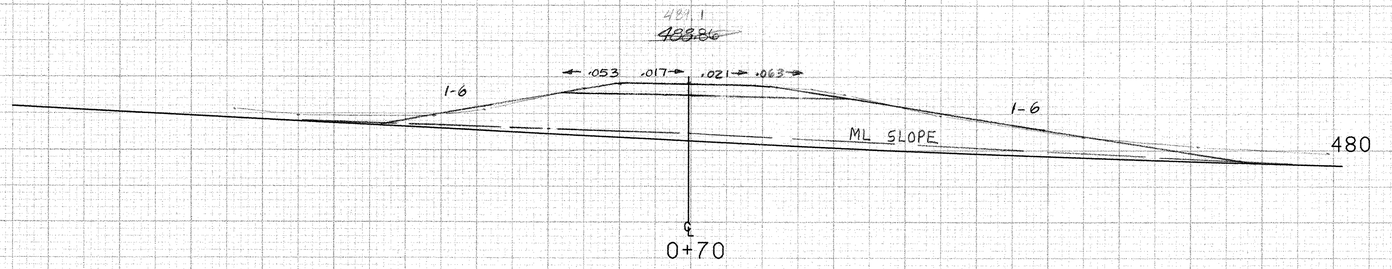


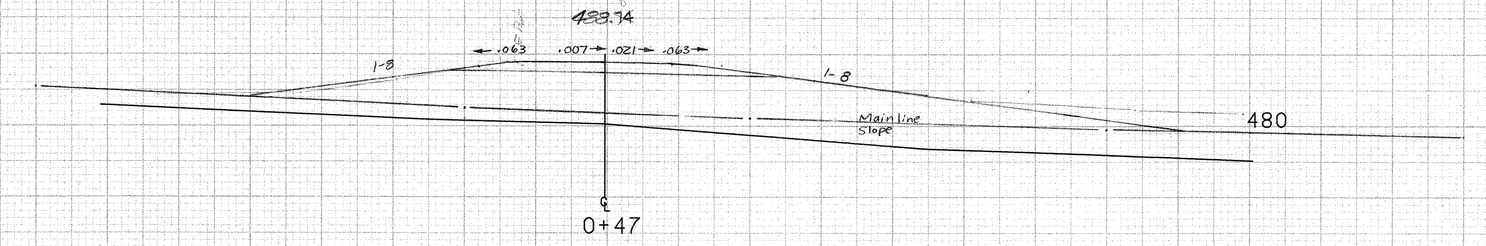
REV 23+85 ~ REV 24+25
DRILLING AND BLASTING
OF SOLID ROCK SUBGRADE

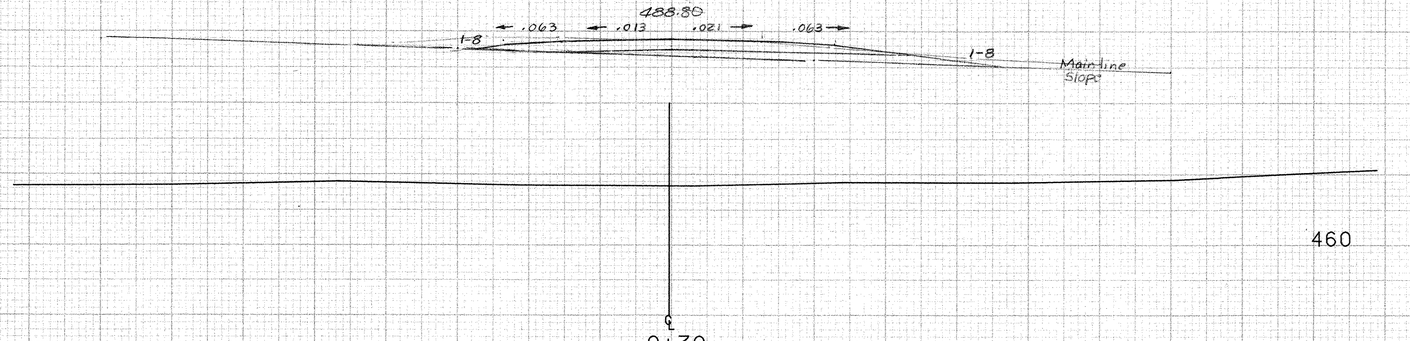
SCALE 10 FEET

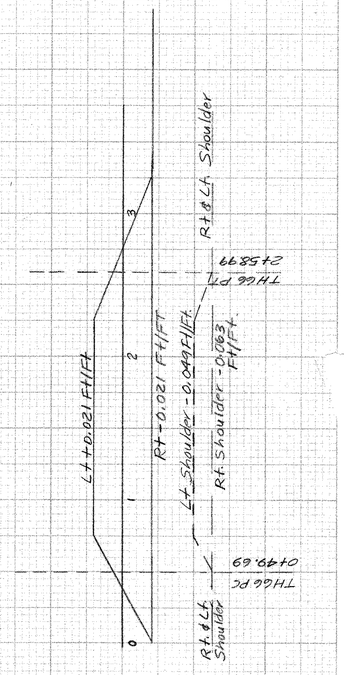
TH 12

FROM STA. 24+00	TO STA. 25+48.62
PROJECT NAME MORETOWN	
NO. RS EG CRS 0167 (9)	PLOTTED 10/07/86
SURVEYED BY FANTONI	SEPT 86
SHEET 132 OF 243 SHEETS	

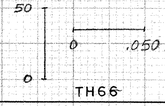








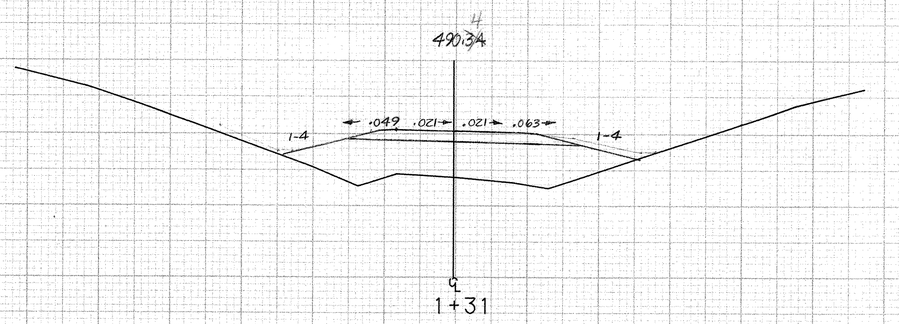
Banking Transition



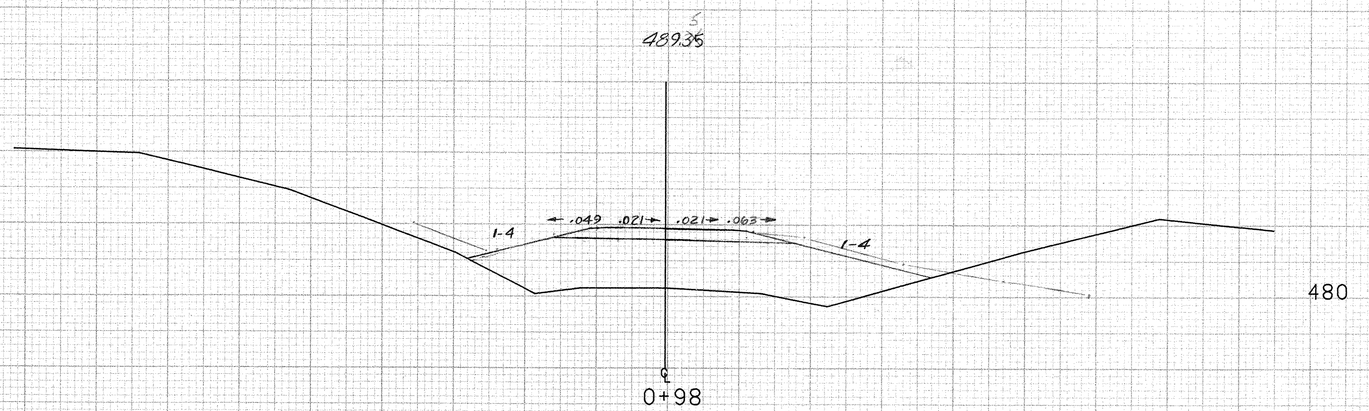
TH66

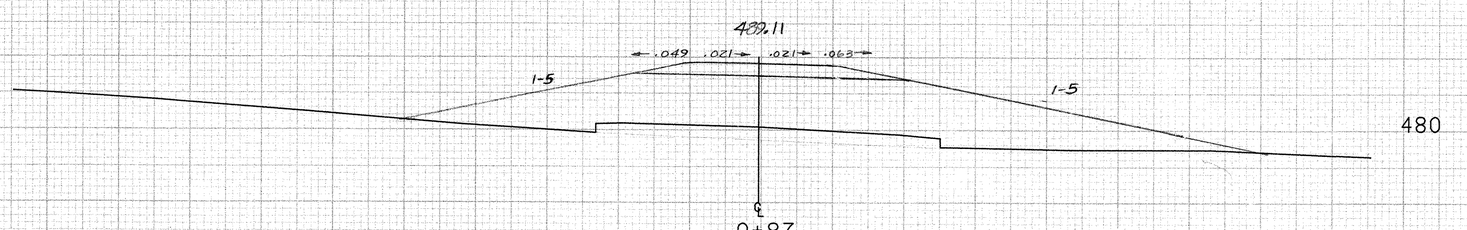
SCALE 10 FEET

FROM STA. 0+30		TO STA. 0+70	
PROJECT NAME	MORETOWN		
NO. RS EGC	RS0167(9)		PLOTTED 10/14/87
SURVEYED BY			
SHEET 133 OF 243 SHEETS			



1+15 Rt.
18" Cherry - Save





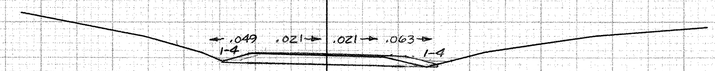
TH 66 0+87 ℄
EXISTING 15" CGMP - REMOVE

TH66

FROM STA. 0+87	TO STA. 1+31
PROJECT NAME MORETOWN	
NO. RS E66 RS0167(9)	PLOTTED 10/14/87
SURVEYED BY	
SHEET 134 OF 243 SHEETS	

SCALE 10 FEET

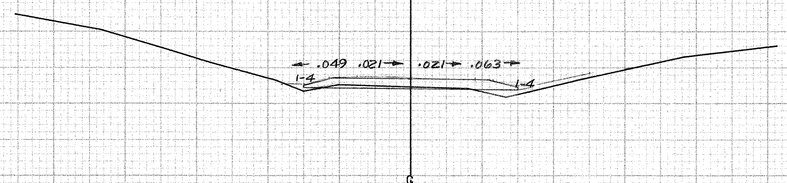
495.46



490

2+20

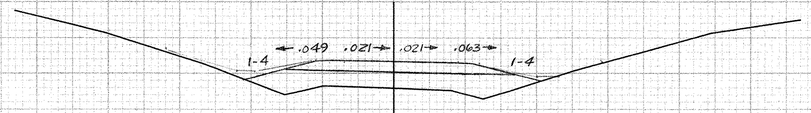
493.59



490

1+94

491.66



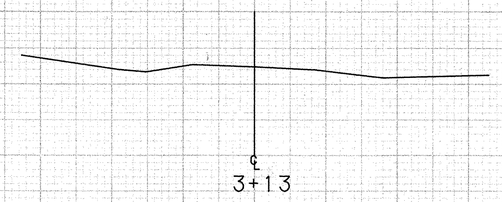
480

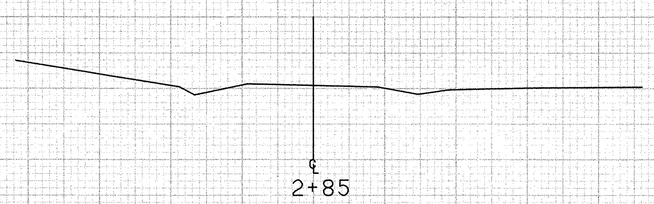
1+61

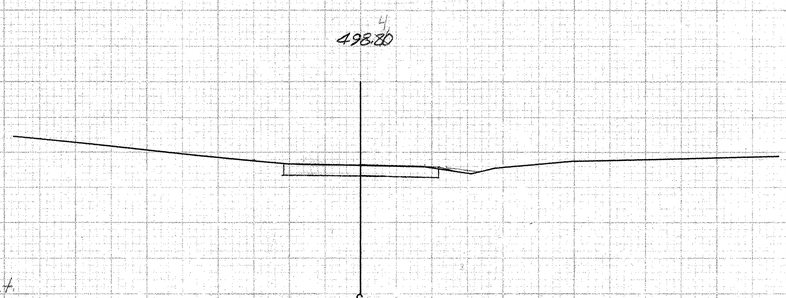
TH 66

FROM STA. 1+61		TO STA. 2+20	
PROJECT NAME	MORETOWN		
NO. RS EGC	RS0167 (9)		PLOTTED 10/14/87
SURVEYED BY			
SHEET 135 OF 243 SHEETS			

SCALE 10 FEET







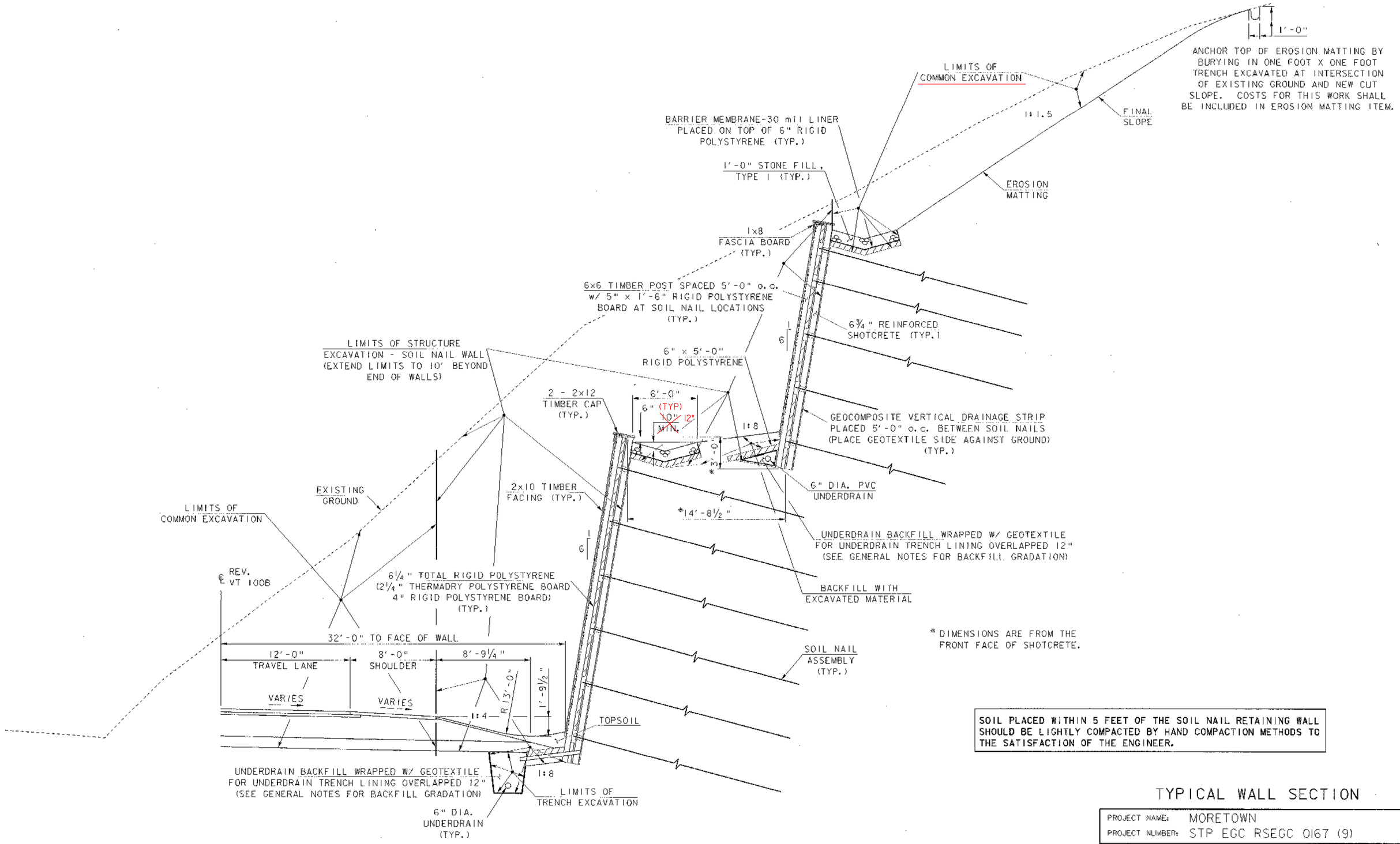
TH66 2+50 Lt.
Existing 12"CGMP
Retain

END TH 66 2+53
APPROACH CONSTRUCTION

TH 66

FROM STA.	2+53	TO STA.	3+13
PROJECT NAME	MORETOWN		
NO.	RS CGC RS0167(9)		PLOTTED 10/14/87
SURVEYED BY			
SHEET 136	OF 243 SHEETS		

SCALE 10 FEET



* DIMENSIONS ARE FROM THE FRONT FACE OF SHOTCRETE.

SOIL PLACED WITHIN 5 FEET OF THE SOIL NAIL RETAINING WALL SHOULD BE LIGHTLY COMPACTED BY HAND COMPACTION METHODS TO THE SATISFACTION OF THE ENGINEER.

TYPICAL WALL SECTION

SCALE: ¼" = 1'-0"

TYPICAL WALL SECTION

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78a132\Structures\sel32typ.I PLOT DATE: 12-MAY-2000
PROJECT LEADER: R.R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR302 SHEET 139 OF 243

REV. 196+66 RT. ~ REV. 198+62 RT.
NEW 6"X196' PVC UNDERDRAIN

REV. 196+66 RT. ~ REV. 199+14 RT.
NEW 6"X248' UNDERDRAIN (MOD.)
W/ FB @ REV. 199+14 RT.

REV. 194+00 RT. ~ REV. 198+40 RT.
NEW RETAINING WALL NO. 3

REV. 196+90 RT. ~ REV. 198+20 RT.
NEW RETAINING WALL NO. 1

REV. 196+65 ℄
NEW 18"X8' CPEP (SL) W/ PRCDI @ INLET AND
TYPE A GRATE OR PREMANUFACTURED
HDPE CATCH BASIN W/ FRAME AND GRATE

STEEL TOWER

STEEL TOWER

REV. 194+10 RT. ~ REV. 196+40 RT.
NEW RETAINING WALL NO. 2

REV. 193+90 RT. ~ REV. 196+60 RT.
NEW 6"X270' UNDERDRAIN (MOD.)
W/ FB @ REV. 196+60 RT.

REV. 193+90 RT. ~ REV. 196+64 RT.
NEW 6"X286' PVC UNDERDRAIN

N

CONSTRUCTION LIMITS

MW-2

INC-2

MW-1

INC-1

1'-0" STONE FILL TYPE I (TYP.)

GRAVEL DRIVE

GRAVEL DRIVE

6"

199+00 198+00 197+00 196+00 REV. VT 100B ℄ 195+00 194+00 193+00

8' 12' 12' 8'

STEEL TOWER

CONSTRUCTION LIMITS SEE ROADWAY LAYOUT SHEETS

TRANSFORMER YARD

DAM

WINOOSKI RIVER

OLD SCHOOL HOUSE

SHED

NOTE:

1. SEE ROADWAY SHEETS FOR ALL OTHER DRAINAGE.
2. SEE WALL TYPICAL SECTION SHEET BR301 FOR WALL OFFSETS.

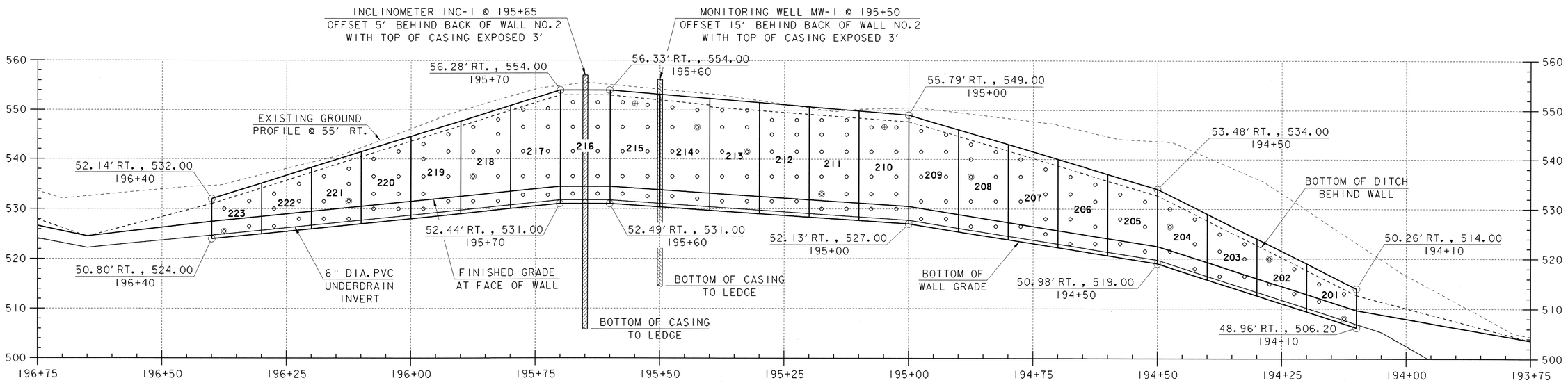
0 20 40
SCALE IN FEET

WALL LAYOUT SHEET

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

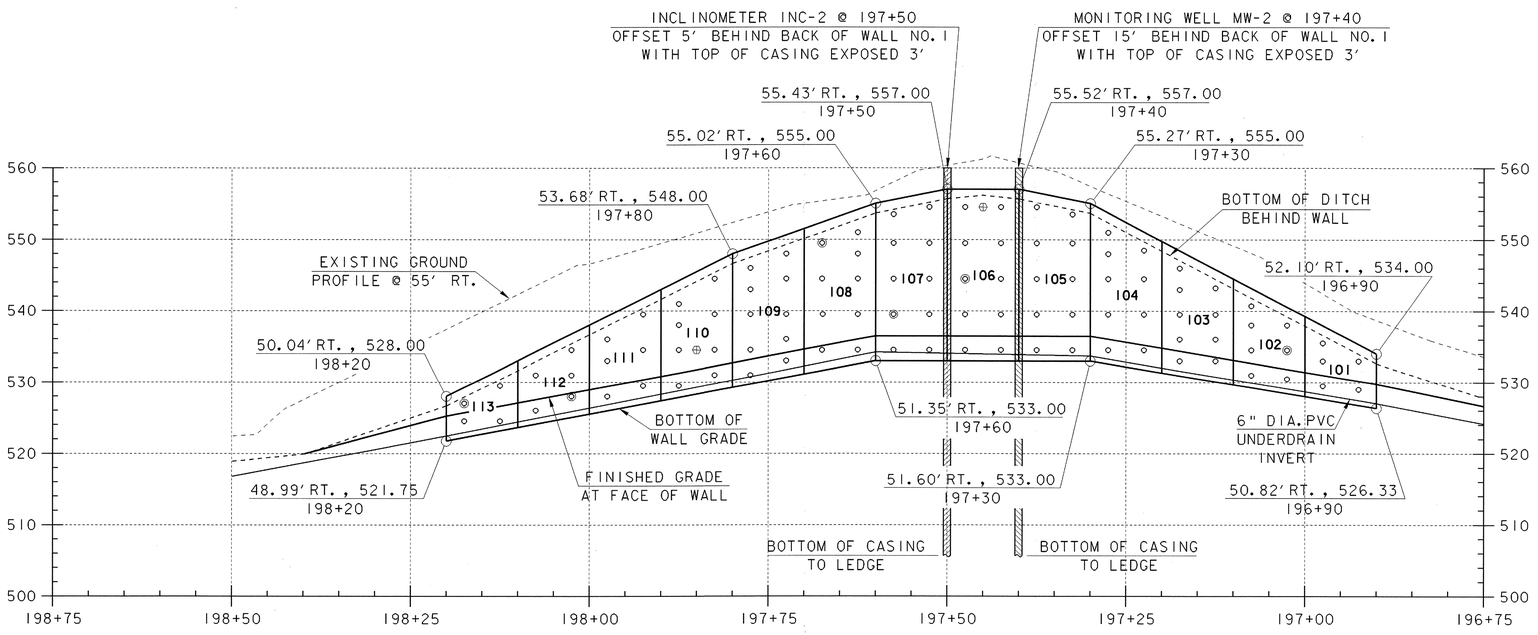
FILE NAME: \78el32\Structures\sel32wls.i
PROJECT LEADER: R.R. WHITCOMB
DESIGNED BY: C. ALLEN
BRIDGE SHEET BR303

PLOT DATE: 12-MAY-2000
DRAWN BY: G. ROY
CHECKED BY: C. ALLEN
SHEET 140 OF 243



PROFILE WALL NO. 2

SCALE: HORIZ.: 1"=10'-0"
VERT.: 1"=10'-0"



PROFILE WALL NO. 1

SCALE: HORIZ.: 1"=10'-0"
VERT.: 1"=10'-0"

LEGEND

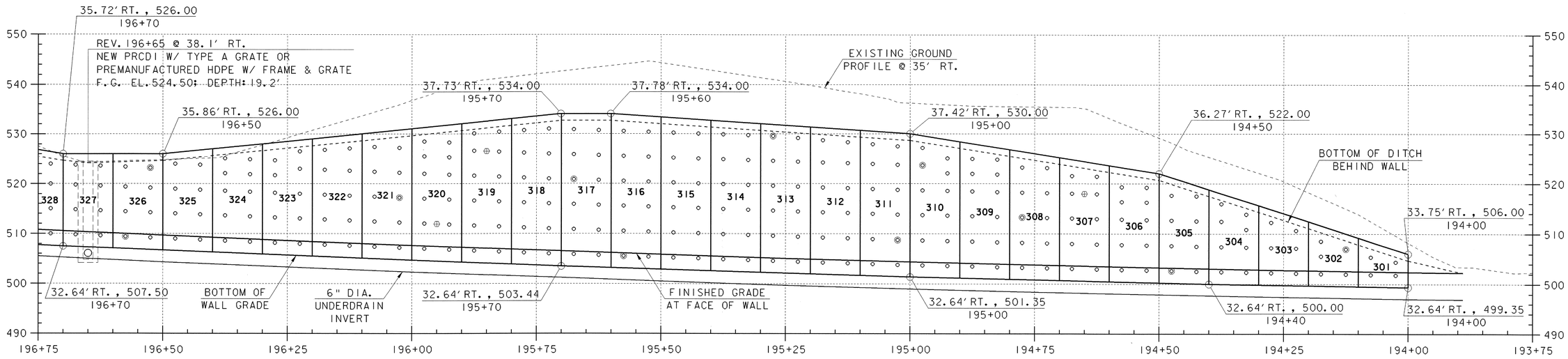
- ○ INDICATES SOIL NAIL
- ◎ INDICATES SOIL NAIL TO BE PROOF TESTED
- ⊕ INDICATES LOCATION OF VERIFICATION TEST OF SACRIFICIAL SOIL NAIL

NOTES:

1. THE EXPANSION JOINT LOCATIONS SHALL BE LOCATED PRIOR TO THE CONSTRUCTION OF SOIL NAILS AND AT LEAST 12 IN. CLEAR DISTANCE SHALL BE PROVIDED BETWEEN THE JOINT AND THE NAILS.
2. IF REINFORCING BARS WITH CUT THREADS ARE USED FOR NAILS, THE NEXT LARGER SIZE BAR ABOVE THAT SHOWN SHALL BE PROVIDED AT NO ADDITIONAL COST.
3. ALL DIMENSIONS AND ELEVATIONS ARE HORIZONTAL OR VERTICAL AND GIVEN TO THE FRONT FACE OF SHOTCRETE UNLESS OTHERWISE NOTED ON THE PLANS.

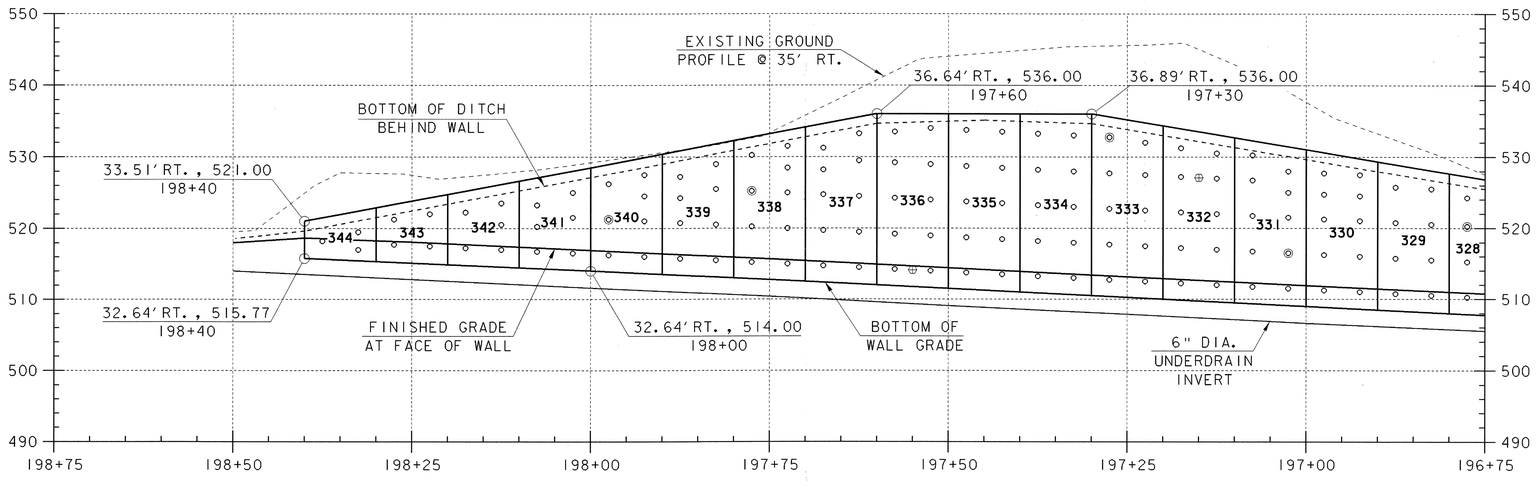
PROFILE WALL NOS. 1 & 2

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32pfl.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR304	SHEET 141A OF 243



PROFILE WALL NO. 3

SCALE: HORIZ.: 1"=10'-0"
VERT.: 1"=10'-0"



PROFILE WALL NO. 3

SCALE: HORIZ.: 1"=10'-0"
VERT.: 1"=10'-0"

LEGEND

- ○ INDICATES SOIL NAIL
- ◎ INDICATES SOIL NAIL TO BE PROOF TESTED
- ⊕ INDICATES LOCATION OF VERIFICATION TEST OF SACRIFICIAL SOIL NAIL

NOTES:

1. THE EXPANSION JOINT LOCATIONS SHALL BE LOCATED PRIOR TO THE CONSTRUCTION OF SOIL NAILS AND AT LEAST 12 IN. CLEAR DISTANCE SHALL BE PROVIDED BETWEEN THE JOINT AND THE NAILS.
2. IF REINFORCING BARS WITH CUT THREADS ARE USED FOR NAILS, THE NEXT LARGER SIZE BAR ABOVE THAT SHOWN SHALL BE PROVIDED AT NO ADDITIONAL COST.
3. ALL DIMENSIONS AND ELEVATIONS ARE HORIZONTAL OR VERTICAL AND GIVEN TO THE FRONT FACE OF SHOTCRETE UNLESS OTHERWISE NOTED ON THE PLANS.

PROFILE WALL NO. 3

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32pf2.i
PROJECT LEADER: R. R. WHITCOMB
DESIGNED BY: C. ALLEN
BRIDGE SHEET BR305

PLOT DATE: 12-MAY-2000
DRAWN BY: G. ROY
CHECKED BY: C. ALLEN
SHEET 141B OF 243

HOLE NO.	STATION	ELEV.	NAIL LENGTH	TEST HOLE
101A1	196+92.5	533.00	30	#10
101A2	196+92.5	529.00	30	#8
101B1	196+97.5	~~535.50~~	30	#8
101B2	196+97.5	533.00 ~~536.00~~	30	#8
101B3	196+97.5	529.50	30	#8
102A1	197+02.5	~~538.00~~ ~~539.00~~	45	#10
102A2	197+02.5	534.50	45	X
102A3	197+02.5	530.50	45	#8
102B1	197+07.5	~~540.75~~ 539.17	45	#10
102B2	197+07.5	~~538.50~~ ~~539.00~~	45	#8
102B3	197+07.5	534.50	45	#8
102B4	197+07.5	531.00	45	#8
103A1	197+12.5	~~543.25~~ ~~544.00~~	45	#10
103A2	197+12.5	539.50	45	#8
103A3	197+12.5	536.00	45	#8
103A4	197+12.5	533.00	45	#10
103B1	197+17.5	546.00	45	#10
103B2	197+17.5	543.00	45	#8
103B3	197+17.5	539.50	45	#8
103B4	197+17.5	536.00	45	#8
103B5	197+17.5	533.00	45	#10
104A1	197+22.5	548.50	45	#10
104A2	197+22.5	544.50	45	#8
104A3	197+22.5	539.50	45	#8
104A4	197+22.5	534.50	45	#8
104B1	197+27.5	551.00	45	#10
104B2	197+27.5	~~548.00~~	45	#8
104B3	197+27.5	544.50 ~~549.00~~	45	#8
104B4	197+27.5	539.50	45	#8
104B5	197+27.5	534.50	45	#8
105A1	197+32.5	553.50	45	#10
105A2	197+32.5	549.50	45	#8
105A3	197+32.5	544.50	45	#8
105A4	197+32.5	539.50	45	#8
105A5	197+32.5	534.50	45	#8
105B1	197+37.5	554.50	45	#8
105B2	197+37.5	549.50	45	#10
105B3	~~197+37.5~~ 197+38.35	544.50	45	#8
105B4	197+37.5	539.50	45	#8
105B5	197+37.5	534.50	45	#8
106A1	197+42.5	554.50	45	#10
106A2	197+42.5	549.50	45	#8
106A3	197+42.5	544.50	45	#8
106A4	197+42.5	539.50	45	#8
106A5	197+42.5	534.50	45	#8
106B1	197+47.5	554.50	45	#10
106B2	197+47.5	549.50	45	#8
106B3	197+47.5	544.50	45	X
106B4	197+47.5	539.50	45	#8
106B5	197+47.5	534.50	45	#8
107A1	197+52.5	554.50	45	#10
107A2	197+52.5	549.50	45	#8
107A3	197+52.5	544.50	45	#8
107A4	197+52.5	539.50	45	#8
107A5	197+52.5	~~534.50~~	45	X TESTED 106A5 VS 102A2
107B1	197+57.5	~~553.50~~ 535.00	45	#10
107B2	197+57.5	549.50	45	#8
107B3	197+57.5	544.50	45	#8
107B4	197+57.5	539.50	45	X
107B5	197+57.5	~~534.50~~ 535.00	45	#8

2625

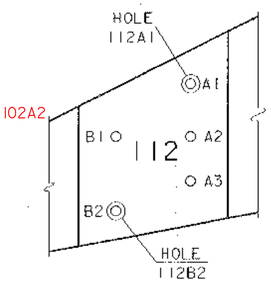
HOLE NO.	STATION	ELEV.	NAIL LENGTH	TEST HOLE
108A1	197+62.5	551.00	45	#10
108A2	197+62.5	~~548.00~~	45	#8
108A3	197+62.5	544.50 ~~545.33~~	45	#8
108A4	197+62.5	539.50	45	#8
108A5	197+62.5	534.50	45	#8
108B1	197+67.5	549.50	45	#10X
108B2	197+67.5	544.50	45	#8
108B3	197+67.5	539.50	45	#8
108B4	197+67.5	534.50	45	#8
109A1	197+72.5	548.00	45	#10
109A2	197+72.5	544.50	45	#8
109A3	197+72.5	539.50	45	#8
109A4	197+72.5	536.00	45	#8
109A5	197+72.5	533.00	45	#8
109B1	197+77.5	546.00	45	#10
109B2	197+77.5	543.00	45	#8
109B3	197+77.5	539.50	45	#8
109B4	197+77.5	534.50	45	#8
109B5	197+77.5	531.00	45	#8
110A1	197+82.5	544.50	45	#10
110A2	197+82.5	539.50	45	#8
110A3	197+82.5	534.50	45	#8
110A4	197+82.5	531.00	45	#8
110B1	197+87.5	541.00	45	#10
110B2	197+87.5	538.00	45	#8
110B3	197+87.5	534.50	45	#8
110B4	197+87.5	529.50	45	#8
111A1	197+92.5	539.50	45	#10
111A2	197+92.5	534.50	45	#8
111A3	197+92.5	529.50	45	#8
111B1	197+97.5	536.00	45	#10
111B2	197+97.5	533.00	45	#8
111B3	197+97.5	528.00	45	#8
112A1	198+02.5	534.50	20	#10
112A2	198+02.5	531.00	20	#8
112A3	198+02.5	528.00	20	X
112B1	198+07.5	~~531.00~~ ~~532.00~~	20	#10
112B2	198+07.	526.00	20	#8
113A1	198+12.5	529.50	20	#10
113A2	198+12.5	524.50	20	#8
113B1	198+17.5	527.00	20	#10X
113B2	198+17.5	524.50	20	#8

1665

WALL NO. SECTION NO.

112A1

COLUMN HOLE NO.



STATIONING

HOLE NOMENCLATURE

HOLE NO.	STATION	ELEV.	NAIL LENGTH	TEST HOLE
201A1	194+12.5	513.00	35	
201A2	194+12.5	508.00	35	X
201B1	194+17.5	515.00	35	
201B2	194+17.5	511.50	35	
202A1	194+22.5	518.00	35	
202A2	194+22.5	513.00	35	
202B1	194+27.5	520.00	35	X
202B2	194+27.5	515.00	35	
203A1	194+32.5	523.00	35	
203A2	194+32.5	520.00	35	
203A3	194+32.5	516.50	35	
203B1	194+37.5	525.00	35	
203B2	194+37.5	521.50	35	
203B3	194+37.5	516.50	35	
204A1	194+42.5	528.00	35	
204A2	194+42.5	523.00	35	
204A3	194+42.5	518.00	35	
204B1	194+47.5	530.00	35	
204B2	194+47.5	526.50	35	X
204B3	194+47.5	521.50	35	
205A1	194+52.5	531.50	55	
205A2	194+52.5	526.50	55	
205A3	194+52.5	521.50	55	
205B1	194+57.5	533.00	55	
205B2	194+57.5	528.00	55	
205B3	194+57.5	523.00	55	
206A1	194+62.5	535.00	55	#10
206A2	194+62.5	531.50	55	
206A3	194+62.5	526.50	55	
206A4	194+62.5	523.00	55	
206B1	194+67.5	536.50	55	
206B2	194+67.5	533.00	55	
206B3	194+67.5	528.00	55	
206B4	194+67.5	523.00	55	
207A1	194+72.5	538.00	55	
207A2	194+72.5	533.00	55	
207A3	194+72.5	528.00	55	
207A4	194+72.5	525.00	55	
207B1	194+77.5	540.00	55	
207B2	194+77.5	536.50	55	
207B3	194+77.5	531.50	55	
207B4	194+77.5	526.50	55	
208A1	194+82.5	541.50	55	
208A2	194+82.5	536.50	55	
208A3	194+82.5	531.50	55	
208A4	194+82.5	526.50	55	
208B1	194+87.5	~~543.00~~	55	
208B2	194+87.5	540.00 ~~544.00~~	55	
208B3	194+87.5	536.50	55	X
208B4	194+87.5	531.50	55	
208B5	194+87.5	526.50	55	
209A1	194+92.5	545.00	55	
209A2	194+92.5	541.50	55	
209A3	194+92.5	536.50	55	
209A4	194+92.5	531.50	55	
209A5	194+92.5	528.00	55	
209B1	194+97.5	545.75	55	
209B2	194+97.5	541.50	55	
209B3	194+97.5	536.50	55	
209B4	194+97.5	531.50	55	
209B5	194+97.5	528.00	55	

2951

NOTE:
ELEVATIONS GIVEN ARE AT CENTER OF NAIL AT FRONT FACE OF SHOTCRETE.

HOLE NO.	STATION	ELEV.	NAIL LENGTH	TEST HOLE
210A1	195+02.5	546.50	55	#10
210A2	195+02.5	541.50	55	
210A3	195+02.5	536.50	55	
210A4	195+02.5	533.00	55	
210A5	195+02.5	530.00	55	
210B1	195+07.5	546.50	55	
210B2	195+07.5	541.50	55	
210B3	195+07.5	536.50	55	
210B4	195+07.5	533.00	55	
210B5	195+07.5	530.00	55	
211A1	195+12.5	~~548.00~~	55	
211A2	195+12.5	545.00 ~~548.77~~	55	
211A3	195+12.5	541.50	55	
211A4	195+12.5	536.50	55	
211A5	195+12.5	533.00	55	
211A6	195+12.5	530.00	55	
211B1	195+17.5	~~548.00~~	55	
211B2	195+17.5	545.00 ~~548.00~~	55	
211B3	195+17.5	541.50	55	
211B4	195+17.5	536.50	55	
211B5	195+17.5	533.00	55	X
211B6	195+17.5	530.00	55	
212A1	195+22.5	~~548.00~~	55	
212A2	195+22.5	545.00 ~~549.50~~	55	
212A3	195+22.5	541.50	55	
212A4	195+22.5	536.50	55	
212A5	195+22.5	531.50	55	
212B1	195+27.5	548.00	55	
212B2	195+27.5	545.00	55	
212B3	195+27.5	541.50	55	
212B4	195+27.5	536.50	55	
212B5	195+27.5	531.50	55	
213A1	195+32.5	550.00	55	
213A2	195+32.5	546.50	55	
213A3	195+32.5	541.50	55	X
213A4	195+32.5	536.50	55	
213A5	195+32.5	531.50	55	
213B1	195+37.5	550.00	55	
213B2	195+37.5	546.50	55	
213B3	195+37.5	541.50	55	
213B4	195+37.5	536.50	55	
213B5	195+37.5	531.50	55	
214A1	195+42.5	550.00	55	
214A2	195+42.5	546.50	55	X
214A3	195+42.5	541.50	55	
214A4	195+42.5	536.50	55	
214A5	195+42.5	532.00	55	
214B1	195+47.5	550.50	55	
214B2	195+47.5	546.50	55	
214B3	195+47.5	541.50	55	
214B4	195+47.5	536.50	55	
214B5	195+47.5	532.50	55	
215A1	195+52.5	551.00	55	
215A2	195+52.5	546.50	55	
215A3	195+52.5	541.50	55	
215A4	195+52.5	536.50	55	
215A5	195+52.5	532.50	55	
215B1	195+57.5	551.50	55	
215B2	195+57.5	546.50	55	
215B3	195+57.5	541.50	55	
215B4	195+57.5	536.50	55	
215B5	195+57.5	533.00	55	
216A1	195+62.5	551.50	55	
216A2	195+62.5	546.50	55	
216A3	195+62.5	541.50	55	
216A4	195+62.5	536.50	55	
216A5	195+62.5	533.00	55	

3685

HOLE NO.	STATION	ELEV.	NAIL LENGTH	TEST HOLE
216B1	195+67.5	551.50	55	#10
216B2	195+67.5	546.50	55	
216B3	195+67.5	541.50	55	
216B4	195+67.5	536.50	55	
216B5	195+67.5	533.00	55	
217A1	195+72.5	550.25	55	
217A2	195+72.5	546.50	55	
217A3	195+72.5	541.50	55	
217A4	195+72.5	536.50	55	
217A5	195+72.5	532.75	55	
217B1	195+77.5	~~550.00~~	55	
217B2	195+77.5	545.50 ~~545.00~~	55	
217B3	195+77.5	541.50	55	
217B4	195+77.5	536.50	55	
217B5	195+77.5	532.75	55	
218A1	195+82.5	548.00	55	
218A2	195+82.5	545.00	55	
218A3	195+82.5	541.50	55	
218A4	195+82.5	536.50	55	
218A5	195+82.5	531.50	41.5 55	
218B1	195+87.5	546.50	55	
218B2	195+87.5	541.50	55	
LEDGE 45	218B3	195+87.5	536.50 52.83	55 X
	218B4	195+87.5	531.50 44	55
219A1	195+92.5	545.00	55	
219A2	195+92.5	541.50	55	
219A3	195+92.5	536.50 51.29	55	
LEDGE 43	219A4	195+92.5	531.50 42	55
219B1	195+97.5	543.00	55	
219B2	195+97.5	540.00	55	
LEDGE 45	219B3	195+97.5	536.50 50	55
219B4	195+97.5	533.00	55	55
219B5	195+97.5	530.00	34	55
220A1	196+02.5	541.50	51.5	55
220A2	196+02.5	536.50	55	
220A3	196+02.5	533.00	55	55
220A4	196+02.5	530.00	37	55
220B1	196+07.5	540.00	52	55
220B2	196+07.5	536.50	55	
220B3	196+07.5	533.00	55	55
220B4	196+07.5	530.00	35	55
221A1	196+12.5	~~538.00~~	55	
221A2	196+12.5	539.00 ~~538.50~~	55	
221A3	196+12.5	531.50	52 55	X
221A4	196+12.5	528.00	52 55	
221B1	196+17.5	536.50	55	
221B2	196+17.5	531.50	55	55
221B3	196+17.5	528.00	40	55
222A1	196+22.5	535.00	30	30
222A2	196+22.5	531.50	30	30
222A3	196+22.5	528.00	30	30
222B1	196+27.5	533.00	30	30
222B2	196+27.5	530.00	30	30
222B3	196+27.5	526.50	30	30
223A1	196+32.5	531.50	30	30
223A2	196+32.5	526.50	30	30
223B1	196+37.5	530.00	30	30
223B2	196+37.5	525.50	30	30 X

2933.5

HOLE STATIONS & ELEVATIONS (1)

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32sel.l PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR306 SHEET 142A OF 243

HOLE NO.	STATION	ELEV.	NAIL LENGTH	TEST HOLE
301A1	194+02.5	504.35	35	#8
301A2	194+02.5	501.75	~~35~~ 25	
301B1	194+07.5	505.34	35	
301B2	194+07.5	501.84	~~35~~ 25	
302A1	194+12.5	506.94	35	X
302A2	194+12.5	501.94	~~35~~ 25	
302B1	194+17.5	508.53	35	
302B2	194+17.5	505.53	35	
302B3	194+17.5	502.03	~~35~~ 25	
303A1	194+22.5	510.63	35	
303A2	194+22.5	507.13	35	
303A3	194+22.5	502.13	~~35~~ 25	
303B1	194+27.5	512.22	35	
303B2	194+27.5	507.22	35	
303B3	194+27.5	502.22	~~35~~ 25	
304A1	194+32.5	513.81	35	
304A2	194+32.5	510.81	35	
304A3	194+32.5	507.31	35	
304A4	194+32.5	502.31	~~35~~ 25	
304B1	194+37.5	515.91	35	
304B2	194+37.5	512.41	35	
304B3	194+37.5	507.41	35	
304B4	194+37.5	502.41	~~35~~ 25	
305A1	194+42.5	517.50	35	
305A2	194+42.5	512.50	35	
305A3	194+42.5	507.50	35	
305A4	194+42.5	502.50	~~35~~ 25	
305B1	194+47.5	517.60	35	
305B2	194+47.5	512.60	35	
305B3	194+47.5	507.60	35	
305B4	194+47.5	502.60	~~35~~ 25	X
306A1	194+52.5	519.21	50	#10
306A2	194+52.5	516.21	50	#10
306A3	194+52.5	512.71	50	#10
306A4	194+52.5	507.71	~~50~~ 45	
306A5	194+52.5	502.71	~~50~~ 35	
306B1	194+57.5	519.31	50	#10
306B2	194+57.5	516.31	50	#10
306B3	194+57.5	512.81	50	#10
306B4	194+57.5	507.81	~~50~~ 45	
306B5	194+57.5	502.81	~~50~~ 35	
307A1	194+62.5	521.42	50	#10
307A2	194+62.5	517.92	50	#10
307A3	194+62.5	512.92	50	#10
307A4	194+62.5	507.92	~~50~~ 45	
307A5	194+62.5	502.92	~~50~~ 35	
307B1	194+67.5	521.52	50	#10
307B2	194+67.5	518.02	50	#10
307B3	194+67.5	513.02	50	#10
307B4	194+67.5	508.02	~~50~~ 45	
307B5	194+67.5	503.02	~~50~~ 35	
308A1	194+72.5	523.13	50	#10
308A2	194+72.5	518.13	50	#10
308A3	194+72.5	513.13	50	#10
308A4	194+72.5	508.13	~~50~~ 45	
308A5	194+72.5	503.13	~~50~~ 35	
308B1	194+77.5	523.23	50	#10
308B2	194+77.5	518.23	50	#10
308B3	194+77.5	513.23	50	#10 X
308B4	194+77.5	508.23	~~50~~ 45	
308B5	194+77.5	503.23	~~50~~ 35	
309A1	194+82.5	524.83	50	#10
309A2	194+82.5	521.83	50	#10
309A3	194+82.5	518.33	50	#10
309A4	194+82.5	513.33	50	#10
309A5	194+82.5	508.33	~~50~~ 45	
309A6	194+82.5	503.33	~~50~~ 35	

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HOLE NO.	STATION	ELEV.	NAIL LENGTH	TEST HOLE
309B1	194+87.5	524.94	50	#10
309B2	194+87.5	521.94	50	#10
309B3	194+87.5	518.44	50	#10
309B4	194+87.5	513.44	50	#10
309B5	194+87.5	508.44	~~50~~ 45	#8
309B6	194+87.5	503.44	~~50~~ 35	#8
310A1	194+92.5	525.04	50	#10
310A2	194+92.5	522.04	50	#10
310A3	194+92.5	518.54	50	#10
310A4	194+92.5	513.54	50	#10
310A5	194+92.5	508.54	~~50~~ 45	#8
310A6	194+92.5	503.54	~~50~~ 35	#8
310B1	194+97.5	527.15	50	#10
310B2	194+97.5	523.65	50	#10 X
310B3	194+97.5	518.65	50	#10
310B4	194+97.5	513.65	50	#10
310B5	194+97.5	508.65	~~50~~ 45	#8
310B6	194+97.5	503.65	~~50~~ 35	#8
311A1	195+02.5	527.50	50	#10
311A2	195+02.5	523.75	50	#10
311A3	195+02.5	518.75	50	#10
311A4	195+02.5	513.75	50	#10
311A5	195+02.5	508.75	~~50~~ 45	#8 X
311A6	195+02.5	503.75	~~50~~ 35	#8
311B1	195+07.5	527.91	50	#10
311B2	195+07.5	523.91	50	#10
311B3	195+07.5	518.91	50	#10
311B4	195+07.5	513.91	50	#10
311B5	195+07.5	508.91	~~50~~ 45	#8
311B6	195+07.5	503.91	~~50~~ 35	#8
312A1	195+12.5	528.32	50	#10
312A2	195+12.5	524.07	50	#10
312A3	195+12.5	519.07	50	#10
312A4	195+12.5	514.07	50	#10
312A5	195+12.5	509.07	~~50~~ 45	#8
312A6	195+12.5	504.07	~~50~~ 35	#8
312B1	195+17.5	528.73	50	#10
312B2	195+17.5	524.23	50	#10
312B3	195+17.5	519.23	50	#10
312B4	195+17.5	514.23	50	#10
312B5	195+17.5	509.23	~~50~~ 45	#8
312B6	195+17.5	504.23	~~50~~ 35	#8
313A1	195+22.5	529.14	50	#10
313A2	195+22.5	524.39	50	#10
313A3	195+22.5	519.39	50	#10
313A4	195+22.5	514.39	50	#10
313A5	195+22.5	509.39	~~50~~ 45	#8
313A6	195+22.5	504.39	~~50~~ 35	#8
313B1	195+27.5	529.55	50	#10 X
313B2	195+27.5	524.55	50	#10
313B3	195+27.5	519.55	50	#10
313B4	195+27.5	514.55	50	#10
313B5	195+27.5	509.55	~~50~~ 45	#8
313B6	195+27.5	504.55	~~50~~ 35	#8
314A1	195+32.5	529.71	50	#10
314A2	195+32.5	524.71	50	#10
314A3	195+32.5	519.71	50	#10
314A4	195+32.5	514.71	50	#10
314A5	195+32.5	509.71	~~50~~ 45	#8
314A6	195+32.5	504.71	~~50~~ 35	#8
314B1	195+37.5	529.88	50	#10
314B2	195+37.5	524.88	50	#10
314B3	195+37.5	519.88	50	#10
314B4	195+37.5	514.88	50	#10
314B5	195+37.5	509.88	~~50~~ 45	#8
314B6	195+37.5	504.88	~~50~~ 35	#8

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HOLE NO.	STATION	ELEV.	NAIL LENGTH	TEST HOLE
315A1	195+42.5	530.04	50	
315A2	195+42.5	525.04	50	
315A3	195+42.5	520.04	50	
315A4	195+42.5	515.04	50	
315A5	195+42.5	510.04	50 45	#8
315A6	195+42.5	505.04	45 ~~50~~ 35	#8
315B1	195+47.5	530.20	50	
315B2	195+47.5	525.20	50	
315B3	195+47.5	505.20	50	
315B4	195+47.5	515.20	50	
315B5	195+47.5	510.20	45 ~~50~~ 45	#8
315B6	195+47.5	505.20	~~50~~ 35	#8
316A1	195+52.5	530.36	50 50	#10
316A2	195+52.5	525.36	50 50	#10
316A3	195+52.5	520.36	50 50	#10
316A4	195+52.5	515.36	50 50	#10
316A5	195+52.5	510.36	45 ~~50~~ 45	#8
316A6	195+52.5	505.36	35 ~~50~~ 35	#8
316B1	195+57.5	530.52	50 50	#10
316B2	195+57.5	525.52	50 50	#10
316B3	195+57.5	520.52	50 50	#10
316B4	195+57.5	515.52	50 50	#10
316B5	195+57.5	510.52	45 ~~50~~ 45	#8
316B6	195+57.5	505.52	25 ~~50~~ 35	#8 X
317A1	195+62.5	530.68	50 50	#10
317A2	195+62.5	525.68	50 50	#10
317A3	195+62.5	520.68	45 50	#10
317A4	195+62.5	515.68	? 50	#10
317A5	195+62.5	510.68	45 ~~50~~ 45	#8
317A6	195+62.5	505.68	20 ~~50~~ 35	#8
317B1	195+67.5	530.84	50 50	#10
317B2	195+67.5	525.84	50 50	#10
317B3	195+67.5	520.84	50 50	#10 X
317B4	195+67.5	515.84	? 50	#10
317B5	195+67.5	510.84	45 ~~50~~ 45	#8
317B6	195+67.5	505.84	17 ~~50~~ 35	#8
318A1	195+72.5	531.00	50 50	#10
318A2	195+72.5	526.00	50 50	#10
318A3	195+72.5	521.00	51 50	#10
318A4	195+72.5	516.00	36 50	#10
318A5	195+72.5	511.00	40 50 45	#8
318A6	195+72.5	506.00	15 ~~50~~ 35	#8
318B1	195+77.5	530.70	50 50	#10
318B2	195+77.5	526.20	50 50	#10
318B3	195+77.5	521.20	51 50	#10
318B4	195+77.5	516.20	51 50	#10
318B5	195+77.5	511.20	45 ~~50~~ 45	#8
318B6	195+77.5	506.20	15 ~~50~~ 35	#8
319A1	195+82.5	530.40	50 50	#10
319A2	195+82.5	526.40	47.5 50	#10
319A3	195+82.5	521.40	51 50	#10
319A4	195+82.5	516.40	38 50	#10
319A5	195+82.5	511.40	25 ~~50~~ 45	#8
319A6	195+82.5	506.40	15 ~~50~~ 35	#8
319B1	195+87.5	530.10	50 50	#10
319B2	195+87.5	526.60	50 50	#10
319B3	195+87.5	521.60	40 50	#10
319B4	195+87.5	516.60	29 50	#10
319B5	195+87.5	511.60	18 ~~50~~ 45	#8
319B6	195+87.5	506.60	15 ~~50~~ 35	#8
320A1	195+92.5	528.30	49 50	#10
320A2	195+92.5	525.30	50 50	#10
320A3	195+92.5	521.80	45 50	#10
320A4	195+92.5	516.80	29 50	#10
320A5	195+92.5	511.80	15 ~~50~~ 45	#8
320A6	195+92.5	506.80	15 ~~50~~ 35	#8

3080

HOLE NO.	STATION	ELEV.	NAIL LENGTH	TEST HOLE
320B1	195+97.5	528.50	50 50	
320B2	195+97.5	525.50	45 50	
320B3	195+97.5	522.00	50	
320B4	195+97.5	517.00	27 50	
320B5	195+97.5	512.00	15 ~~50~~ 45	#8
320B6	195+97.5	507.00	15 ~~50~~ 35	#8
321A1	196+02.5	527.20	50 50	
321A2	196+02.5	522.20	38 50	
321A3	196+02.5	517.20	21 50	X
321A4	196+02.5	512.20	20 ~~50~~ 45	#8
321A5	196+02.5	507.20	15 ~~50~~ 35	#8
321B1	196+07.5	527.40	50 50	
321B2	196+07.5	522.40	26 50	
321B3	196+07.5	517.40	21 50	
321B4	196+07.5	512.40	20 ~~50~~ 45	#8
321B5	196+07.5	507.40	15 ~~50~~ 35	#8
322A1	196+12.5	527.10	30 50	
322A2	196+12.5	522.60	31 50	
322A3	196+12.5	517.60	25 50	
322A4	196+12.5	512.60	30 ~~50~~ 45	#8
322A5	196+12.5	507.60	15 ~~50~~ 35	#8
322B1	196+17.5	526.80	31 50	
322B2	196+17.5	522.80	30 50	
322B3	196+17.5	517.80	30 50	
322B4	196+17.5	512.80	30 ~~50~~ 45	#8
322B5	196+17.5	507.80	15 ~~50~~ 35	#8
323A1	196+22.5	526.50	30 30	#8
323A2	196+22.5	522.00	31 30	
323A3	196+22.5	518.00	25 30	
323A4	196+22.5	513.00	30 30	
323A5	196+22.5	508.00	15 ~~30~~ 20	
323B1	196+27.5	524.70	31 30	
323B2	196+27.5	521.70	30 30	
323B3	196+27.5	518.20	30 30	
323B4	196+27.5	513.20	30 30	
323B5	196+27.5	508.20	15 ~~30~~ 20	
324A1	196+32.5	524.90	30 30	
324A2	196+32.5	521.90	30 30	
324A3	196+32.5	518.40	30 30	
324A4	196+32.5	513.40	30 30	
324A5	196+32.5	508.40	15 ~~30~~ 20	
324B1	196+37.5	525.10	30 30	
324B2	196+37.5	522.10	30 30	
324B3	196+37.5	518.60	30 30	
324B4	196+37.5	513.60	30 30	
324B5	196+37.5	508.60	15 ~~30~~ 20	
325A1	196+42.5	522.80	30 30	
325A2	196+42.5	518.80	30 30	
325A3	196+42.5	513.80	30 30	
325A4	196+42.5	508.80	20 ~~30~~ 20	
325B1	196+47.5	523.00	30 30	
325B2	196+47.5	519.00	30 30	
325B3	196+47.5	514.00	30 30	
325B4	196+47.5	509.00	20 ~~30~~ 20	
326A1	196+52.5	523.20	30 30	X
326A2	196+52.5	519.20	30 30	
326A3	196+52.5	514.20	30 30	
326A4	196+52.5	509.20	20 ~~30~~ 20	
326B1	196+57.5	523.40	30 30	
326B2	196+57.5	519.40	30 30	
326B3	196+57.5	514.40	30 30	
326B4	196+57.5	509.40	20 ~~30~~ 20	X

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HOLE NO.	STATION	ELEV.	NAIL LENGTH	TEST HOLE
327A1	196+62.5	523.60	30 30	
327A2	196+62.5	519.60	30 30	
327A3	196+62.5	514.60	30 30	
327A4	196+62.5	509.60	20 ~~30~~ 20	
327B1	196+67.5	523.80	30 30	
327B2	196+67.5	519.80	30 30	
327B3	196+67.5	514.80	30 30	
327B4	196+67.5	509.80	20 ~~30~~ 20	
328A1	196+72.5	524.00	30 30	
328A2	196+72.5	520.00	30 30	
328A3	196+72.5	515.00	30 30	
328A4	196+72.5	510.00	20 ~~30~~ 20	
328B1	196+77.5	524.25	30 30	
328B2	196+77.5	520.25	30 30	X
328B3	196+77.5	515.25	30 30	
328B4	196+77.5	510.25	20 ~~30~~ 20	
329A1	196+82.5	525.50	30 30	
329A2	196+82.5	520.50	30 30	
329A3	196+82.5	515.50	30 30	
329A4	196+82.5	510.50	20 ~~30~~ 20	
329B1	196+87.5	525.75	30 30	
329B2	196+87.5	520.75	30 30	
329B3	196+87.5	515.75	30 30	
329B4	196+87.5	510.75	20 ~~30~~ 20	
330A1	196+92.5	527.50	30	#8
330A2	196+92.5	524.50	30	
330A3	196+92.5	521.00	30	
330A4	196+92.5	516.00	29 30	
330A5	196+92.5	511.00	~~30~~ 20	
330B1	196+97.5	527.75	30	
330B2	196+97.5	524.75	30	
330B3	196+97.5	521.25	30	
330B4	196+97.5	516.25	30 30	
330B5	196+97.5	511.25	~~30~~ 20	
331A1	197+02.5	528.00	35	
331A2	197+02.5	525.00	35	
331A3	197+02.5	521.50	35	
331A4	197+02.5	516.50	35	X
331A5	197+02.5	511.50	~~35~~ 25	
331B1	197+07.5	530.25	35	
331B2	197+07.5	526.75	35	
331B3	197+07.5	521.75	35	
331B4	197+07.5	516.75	35	
331B5	197+07.5	511.75	~~35~~ 25	
332A1	197+12.5	530.50	35	
332A2	197+12.5	527.00	35	
332A3	197+12.5	522.00	35	
332A4	197+12.5	517.00	35	
332A5	197+12.5	512.00	~~35~~ 25	
332B1	197+17.5	531.25	35	
332B2	197+17.5	527.25	35	
332B3	197+17.5	522.25	35	
332B4	197+17.5	517.25	35	
332B5	197+17.5	512.25	~~35~~ 25	

1600

NOTE:
ELEVATIONS GIVEN ARE AT CENTER OF NAIL AT FRONT FACE OF SHOTCRETE.

HOLE STATIONS & ELEVATIONS (2)

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32se2.1 PLOT DATE: 12-MAY-2000
PROJECT LEADER: R.R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR307 SHEET 142B OF 243

HOLE NO.	STATION	ELEV.	NAIL LENGTH	TEST HOLE
333A1	197+22.5	532.00	35	#8
333A2	197+22.5	527.50	35	
333A3	197+22.5	522.50	35	
333A4	197+22.5	517.50	35	
333A5	197+22.5	512.50	~~35~~ 25	
333B1	197+27.5	532.75	35	X
333B2	197+27.5	527.75	35	
333B3	197+27.5	522.75	35	
333B4	197+27.5	517.75	35	
333B5	197+27.5	512.75	~~35~~ 25	
334A1	197+32.5	533.00	35	
334A2	197+32.5	528.00	35	
334A3	197+32.5	523.00	35	
334A4	197+32.5	518.00	35	
334A5	197+32.5	513.00	~~35~~ 25	
334B1	197+37.5	533.28	35	
334B2	197+37.5	528.25	35	
334B3	197+37.5	523.25	35	
334B4	197+37.5	518.25	35	
334B5	197+37.5	513.25	~~35~~ 25	
335A1	197+42.5	533.50	35	
335A2	197+42.5	528.50	35	
335A3	197+42.5	523.50	35	
335A4	197+42.5	518.50	35	
335A5	197+42.5	513.50	~~35~~ 25	
335B1	197+47.5	533.75	35	
335B2	197+47.5	528.75	35	
335B3	197+47.5	523.75	35	
335B4	197+47.5	518.75	35	
335B5	197+47.5	513.75	~~35~~ 25	
336A1	197+52.5	534.00	35	
336A2	197+52.5	529.00	35	
336A3	197+52.5	524.00	35	
336A4	197+52.5	519.00	35	
336A5	197+52.5	514.00	~~35~~ 25	
336B1	197+57.5	533.50	35	
336B2	197+57.5	529.25	35	
336B3	197+57.5	524.25	35	
336B4	197+57.5	519.25	35	
336B5	197+57.5	514.25	~~35~~ 25	
337A1	197+62.5	533.25	35	
337A2	197+62.5	529.50	35	
337A3	197+62.5	524.50	35	
337A4	197+62.5	519.50	35	
337A5	197+62.5	514.50	~~35~~ 25	
337B1	197+67.5	531.25	35	
337B2	197+67.5	528.25	35	
337B3	197+67.5	524.75	35	
337B4	197+67.5	519.75	35	
337B5	197+67.5	514.75	~~35~~ 25	
338A1	197+72.5	531.50	35	
338A2	197+72.5	528.50	35	
338A3	197+72.5	525.00	35	
338A4	197+72.5	520.00	35	
338A5	197+72.5	515.00	~~35~~ 25	
338B1	197+77.5	530.25	35	
338B2	197+77.5	525.25	35	X
338B3	197+77.5	520.25	35	
338B4	197+77.5	515.25	~~35~~ 25	

HOLE NO.	STATION	ELEV.	NAIL LENGTH	TEST HOLE
339A1	197+82.5	529.00	35	#8
339A2	197+82.5	525.50	35	
339A3	197+82.5	520.50	35	
339A4	197+82.5	515.50	~~35~~ 25	
339B1	197+87.5	527.25	35	
339B2	197+87.5	524.25	35	
339B3	197+87.5	520.75	35	
339B4	197+87.5	515.75	~~35~~ 25	
340A1	197+92.5	527.50	35	
340A2	197+92.5	524.50	35	
340A3	197+92.5	521.00	35	
340A4	197+92.5	516.00	~~35~~ 25	
340B1	197+97.5	526.25	35	
340B2	197+97.5	521.25	35	X
340B3	197+97.5	516.25	~~35~~ 25	
341A1	198+02.5	525.00	20	
341A2	198+02.5	521.50	20	
341A3	198+02.5	516.50	20	
341B1	198+07.5	523.25	20	
341B2	198+07.5	520.25	20	
341B3	198+07.5	516.75	20	
342A1	198+12.5	523.50	20	
342A2	198+12.5	520.50	20	
342A3	198+12.5	517.00	20	
342B1	198+17.5	522.25	20	
342B2	198+17.5	517.25	20	
343A1	198+22.5	522.00	20	
343A2	198+22.5	517.50	20	
343B1	198+27.5	521.25	20	
343B2	198+27.5	517.75	20	
344A1	198+32.5	519.50	20	
344A2	198+32.5	517.00	20	
344B1	198+37.5	518.25	20	

NOTE:
ELEVATIONS GIVEN ARE AT CENTER OF NAIL AT FRONT FACE OF SHOTCRETE.

HOLE STATIONS & ELEVATIONS (3)

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32se3.I PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR308 SHEET 142C OF 243

SOIL CLASSIFICATION

AASHTO	
A1	Gravel and Sand
A3	Fine Sand
A2	Silty or Clayey Gravel and Sand
A4	Silty Soil - Low Compressibility
A5	Silty Soil - Highly Compressible
A6	Clayey Soil - Low Compressibility
A7	Clayey Soil - Highly Compressible

ROCK QUALITY DESIGNATION

R.Q.D. (%)	ROCK DESCRIPTION
<25	Very Poor
25 to 50	Poor
51 to 75	Fair
76 to 90	Good
>90	Excellent

SHEAR STRENGTH

UNDRAINED SHEAR STRENGTH IN P.S.F.	CONSISTENCY
<250	Very Soft
250-500	Soft
500-1000	Med. Stiff
1000-2000	Stiff
2000-4000	Very Stiff
>4000	Hard

CORRELATION GUIDE OF "N" TO DENSITY/CONSISTENCY

DENSITY (GRANULAR SOILS)		CONSISTENCY (COHESIVE SOILS)	
N	DESCRIPTIVE TERM	N	DESCRIPTIVE TERM
<5	Very Loose	<2	Very Soft
5-10	Loose	2-4	Soft
11-24	Med. Dense	5-8	Med. Stiff
25-50	Dense	9-15	Stiff
>50	Very Dense	16-30	Very Stiff
		31-60	Hard
		>60	Very Hard

COMMONLY USED SYMBOLS

▼	Water Elevation
⊕	Standard Penetration Boring
⊕	Auger Boring
⊙	Rod Sounding
S	Sample
N	Standard Penetration Test Blow Count Per Foot For: 2" O.D. Sampler 1 3/8" I.D. Sampler Hammer Weight Of 140 Lbs. Hammer Fall Of 30"
VS	Field Vane Shear Test
US	Undisturbed Soil Sample
B	Blast
DC	Diamond Core
MD	Mud Drill
WA	Wash Ahead
HSA	Hollow Stem Auger
AX	Core Size 1 1/8"
BX	Core Size 1 5/8"
NX	Core Size 2 1/8"
M	Double Tube Core Barrel Used
LL	Liquid Limit
PL	Plastic Limit
PI	Plasticity Index
NP	Non Plastic
w	Moisture Content (Dry Wgt. Basis)
D	Dry
M	Moist
MTW	Moist To Wet
W	Wet
Sat	Saturated
Bo	Boulder
Gr	Gravel
Sa	Sand
Si	Silt
Cl	Clay
HP	Hardpan
Le	Ledge
NLTD	No Ledge To Depth
CNPF	Can Not Penetrate Further
TLOB	To Ledge Or Boulder
NR	No Recovery
Rec.	Recovery
%Rec.	Percent Recovery
RQD	Rock Quality Designation
CBR	California Bearing Ratio
<	Less Than
>	Greater Than
R	Refusal (N > 100)

COLOR			
blk	Black	pnk	Pink
bl	Blue	pu	Purple
brn	Brown	rd	Red
dk	Dark	tn	Tan
gry	Gray	wh	White
gn	Green	yel	Yellow
lt	Light	mltc	Multicolored
or	Orange		

DEFINITIONS (AASHTO)

BEDROCK (LEDGE) - Rock in its native location of indefinite thickness.

BOULDER - A rock fragment with an average dimension > 12 inches.

COBBLE - Rock fragments with an average dimension between 3 and 12 inches.

GRAVEL - Rounded particles of rock < 3" and > 0.0787" (#10 sieve).

SAND - Particles of rock < 0.0787" (#10 sieve) and > 0.0029" (#200 sieve).

SILT - Soil < 0.0029" (#200 sieve), non or slightly plastic and exhibits no strength when air-dried.

CLAY - Fine grained soil, exhibits plasticity when moist and considerable strength when air-dried.

VARVED - Alternate layers of silt and clay.

HARDPAN - Extremely dense soil, cemented layer, not softened when wet.

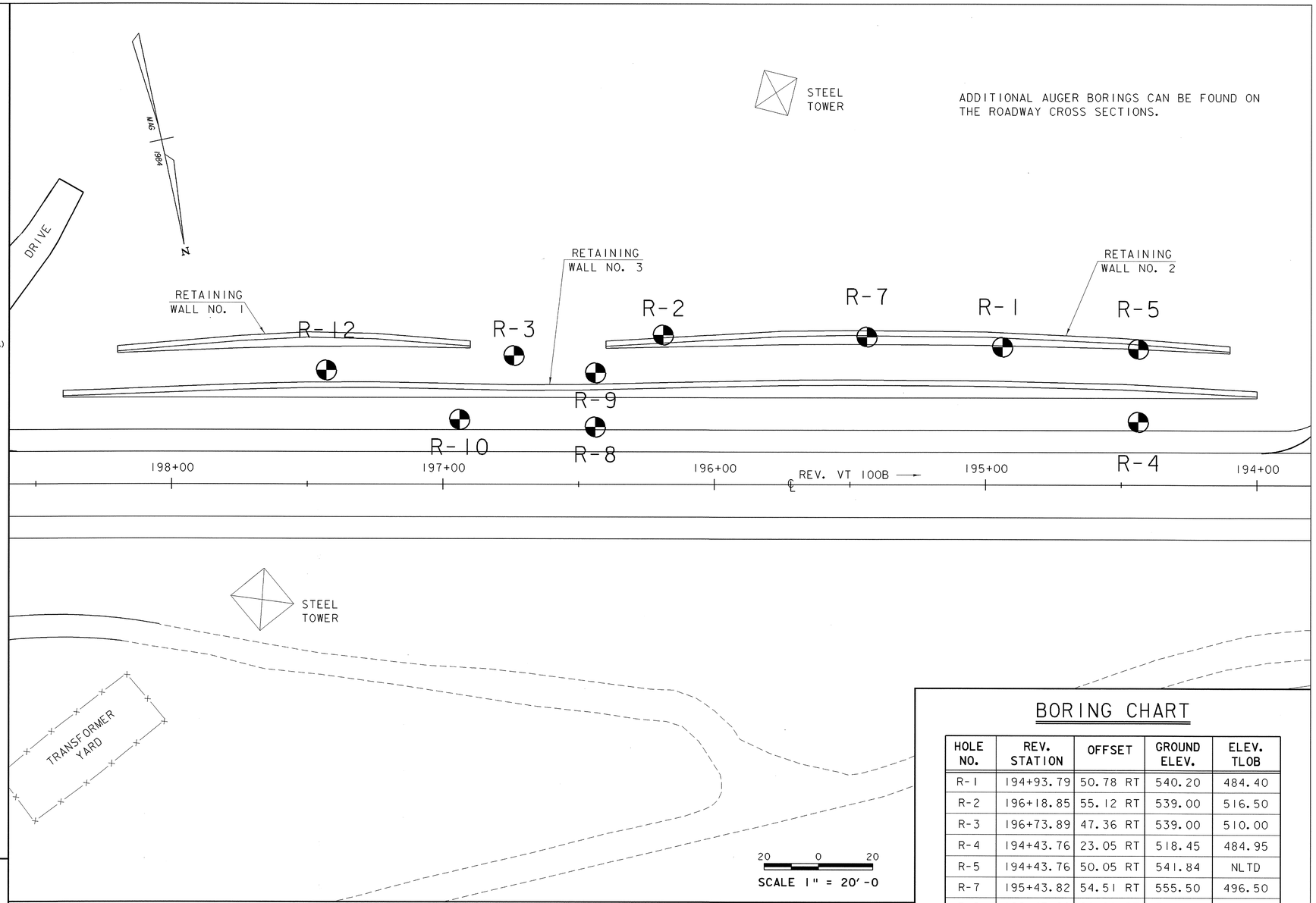
MUCK - Soft organic soil (containing > 10% organic material.

MOISTURE CONTENT - Weight of water divided by dry weight of soil.

FLOWING SAND - Granular soil so saturated (loose) that it flows into drill casing during extraction of wash rod.

STRIKE - Angle from magnetic north to line of intersection of bed with a horizontal plane.

DIP - Inclination of bed with a horizontal plane.



GENERAL NOTES

1. The subsurface explorations shown herein were made between 6/22/89 and 2/9/98 by the Agency.
2. Soil and rock classifications, properties and descriptions are based on engineering interpretation from available subsurface information by the Agency and may not necessarily reflect actual variations in subsurface conditions that may be encountered between individual boring or sample locations.
3. Observed water levels and/or conditions indicated are as recorded at the time of exploration and may vary according to the prevailing rainfall, methods of exploration and other factors.
4. Engineering judgement was exercised in preparing the subsurface information presented herein. Analysis and interpretation of subsurface data was performed and interpreted for Agency design and estimating purposes. Presentation of the information in the Contract is intended to provide the Contractor access to the same data available to the Agency. The subsurface information is presented in good faith and is not intended as a substitute for personal investigation, independent interpretation, independent analysis or judgement by the Contractor.
5. Pictorial structure details shown on the boring plan layout or soils profile are for illustrative purposes only and may not accurately portray final contract details.
6. Terminology used on boring logs to describe the hardness, degree of weathering, and spacing of fractures, joints and other discontinuities in the bedrock is defined in the AASHTO Manual on Subsurface Investigations, 1988.

BORING CHART

HOLE NO.	REV. STATION	OFFSET	GROUND ELEV.	ELEV. TLOB
R-1	194+93.79	50.78 RT	540.20	484.40
R-2	196+18.85	55.12 RT	539.00	516.50
R-3	196+73.89	47.36 RT	539.00	510.00
R-4	194+43.76	23.05 RT	518.45	484.95
R-5	194+43.76	50.05 RT	541.84	NLTD
R-7	195+43.82	54.51 RT	555.50	496.50
R-8	196+43.88	20.98 RT	518.07	504.07
R-9	196+43.82	40.98 RT	526.43	510.03
R-10	196+93.91	23.71 RT	534.65	500.65
R-12	197+43.00	42.00 RT	549.29	484.29

BORING PLAN SHEET

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32b01.i
PROJECT LEADER: R.R. WHITCOMB
DESIGNED BY: C. ALLEN
BRIDGE SHEET BR309
PLOT DATE: 12-MAY-2000
DRAWN BY: G. ROY
CHECKED BY: C. ALLEN
SHEET 143A OF 243

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION

HOLE NO.: R-1
SHEET 1 OF 1
DATE STARTED: 6/22/89
DATE COMPLETED:

PROJECT NAME: MORETOWN
SITE NAME: RETAINING WALL
STATION: REV. 194+93.79
GROUND EL.: 540.20

PROJECT NUMBER: RS0167(9)
SITE NO.:
OFFSET: 50.78
G.W. DEPTH: 55.8'

BORING CREW
CREW CHIEF: MCGLYNN
DRILLER:
LOGGER:

BORING RIG: TRUCK
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-4, SaSi, Moist, brn	5	24.6					
10		A-4, SaSi, Moist, brn	9	29					
15		A-4, SaSi, Moist, gry	11	22.2					
20		A-4, SaSi, Moist, gry	15	26					
25		A-4, SaSi, Moist, gry	18	23.1					
30		A-4, SaSi, Moist, gry	12	28.9					
35		A-2-4, SiSa, Moist, gry	45	17.1					
40		A-4, Si, MTW, gry	24	29.5					
45		A-4, SiSa, Moist, gry	28	24.6					
50		A-4, SiSa, Moist, gry	33	23.4					
55		A-1-b, GrSa, Moist, gry	R	13.3					

Top of bedrock @ 55.8'

RUN	REC	Dip°
1	70	50-70
2	40	50-70
3	100	50-70

Run 1: AXMDC, 55.8'-60.8', Rec. = 3.5', See Geologist's Report.

Run 2: AXMDC, 60.8'-65.8', Rec. = 2.0', See Geologist's Report.

Run 3: AXMDC, 65.8'-68.8', Rec. = 3.0', See Geologist's Report.

Hole stopped @ 68.8' In bedrock.

Geologist's Report

Run 1: Core consist of quartz-sericite chlorite schist. The rock contains pyrite and magnetite which weathers to iron oxides. The rock is moderately soft, slightly weathered and competent.

Run 2: A moderate amount of weathering occurs between 60.8' and 65.8'. The weathering is confined to the quartz-rich zones.

Run 3: Same as Run 1.

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION

HOLE NO.: R-2
SHEET 1 OF 1
DATE STARTED: 6/26/89
DATE COMPLETED:

PROJECT NAME: MORETOWN
SITE NAME: RETAINING WALL
STATION: REV. 196+18.85
GROUND EL.: 539.00

PROJECT NUMBER: RS0167(9)
SITE NO.:
OFFSET: 55.12
G.W. DEPTH: No Groundwater

BORING CREW
CREW CHIEF: MCGLYNN
DRILLER:
LOGGER:

BORING RIG: TRUCK
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-4, SaGrSi, Moist, brn	15	11.9					
10		A-4, SaGrSi, Moist, gry	22	22.1					
15		A-4, Si, Moist, gry	20	26.3					
20		A-4, SiSa, Moist, brn	19	16.4					

Top of bedrock @ 22.5'

RUN	REC	Dip°
1	44	50-70
2	76	50-70

Run 1: AXMDC, 22.5'-27.5', Rec. = 2.2' See Geologist's Report.

Run 2: AXMDC, 27.5'-32.5', Rec. = 3.8', See Geologist's Report.

Hole stopped @ 32.5' In bedrock

Geologist's Report

Run 1: Core consist of quartz-sericite-chorite schist. The rock is moderately soft, slightly weathered and competent overall. Poor core recovery may be due to a weathered quartz-rich zone which could not be recovered. Upper 5.0' of the rock may be poorer quality then indicated by the recovered core.

Run 2: Same as Run 1

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION

HOLE NO.: R-3
SHEET 1 OF 1
DATE STARTED: 6/27/89
DATE COMPLETED:

PROJECT NAME: MORETOWN
SITE NAME: RETAINING WALL
STATION: REV. 196+73.89
GROUND EL.: 539.00

PROJECT NUMBER: RS0167(9)
SITE NO.:
OFFSET: 47.36
G.W. DEPTH: No Groundwater

BORING CREW
CREW CHIEF: MCGLYNN
DRILLER:
LOGGER:

BORING RIG: TRUCK
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-4, SiSa, Moist, brn	5						
10		A-4, SaSi, Moist, brn	12	23					
15		A-4, SaSi, Moist, brn	14	24.7					
20		A-4, SaSi, Moist, brn	13	29.2					
25		No Rec.	21						

Top of bedrock @ 29.0'

RUN	REC	Dip°
1	48	40-60
2	100	40-60

Run 1: AXMDC, 29.0'-34.0', Rec. = 2.4', See Geologist's Report.

Run 2: AXMDC, 34.0'-39.0', Rec. = 5.0', See Geologist's Report.

Hole stopped @ 39.0' In bedrock.

Geologist's Report

Run 1: Core consists of quartz-sericite-chlorite schist. Poor recovery in the upper 5.0' may indicate an extensive zone of fracturing and weathering. Below this the rock is moderately soft, slightly weathered and competent overall.

Run 2: Same as Run 1.

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION

HOLE NO.: R-4
SHEET 1 OF 1
DATE STARTED: 1/9/98
DATE COMPLETED: 1/13/98

PROJECT NAME: MORETOWN
SITE NAME: RETAINING WALL
STATION: REV. 194+43.76
GROUND EL.: 518.45

PROJECT NUMBER: RS0167(9)
SITE NO.:
OFFSET: 23.05
G.W. DEPTH: NO GROUNDWATER

BORING CREW
CREW CHIEF: E. WILLIS
DRILLER: R. TALLMAN
LOGGER: E. CHABOT

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-4, SaSi, M, brn, rec. = 1.1'	5	28.4		28.2	71.8		
10		A-4, SaSi, M, brn, rec. = 1.5'	13	32.7		23.1	76.9		
15		A-1-b, GrSa, M, brn, rec. = 1.5'	33	14.1	21.4	62.6	16		
20		A-4, SaSi, M, brn, rec. = 1.1'	23	27	1	20.4	78.6		
25		A-4, SiSa, M, brn, rec. = 1.2'	15	23.5		55.2	44.8		
30		A-4, SaSi, M, brn, rec. = 1.5'	11	30.3	4.5	23.8	71.7		

Top of bedrock @ 33.5'

RUN	REC %	RQD %	Dip°
1	30	0	70
2	84	72	70
3	94	90	70

Run #1: BXMDC 33.5'-34.5' rec. = 0.3' - See Geologist's Report

Run #2: BXMDC 34.5'-39.5' rec. = 4.2' - See Geologist's Report

Run #3: BXMDC 39.5-44.5 rec. = 4.7' - See Geologist's Report

Hole stopped @ 44.5' in bedrock.

Note: Monitoring Well set to 25'; 20' Screen 5' Solid

Note: 02/13/98 - No water in monitoring well

Geologist's Report:

Run 1: Core consists of green quartz-chlorite schist with quartz veins. Very hard. Poor RQD.

Run 2: Core consists of green quartz-chlorite schist with quartz veins. Hard. Unweathered. Competent

Run 3: Core consists of dark green quartz-chlorite schist with minor quartz veins. Hard. Unweathered. Moderately weathered zones along foliation at 40' and 44.7'. Competent

BORING LOGS (1)

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32b02.1 PLOT DATE: 12-MAY-2000
PROJECT LEADER: R.R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR310 SHEET 143B OF 243

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION

HOLE NO.: R-5
SHEET 1 OF 1
DATE STARTED: 12/22/97
DATE COMPLETED: 12/24/97

PROJECT NAME: MORETOWN
SITE NAME: RETAINING WALL
STATION: REV. 194+43.76
GROUND EL.: 541.84

PROJECT NUMBER: RS0167(9)
SITE NO.:
OFFSET: 50.05
G.W. DEPTH: NO GROUNDWATER

BORING CREW
CREW CHIEF: E. WILLIS
DRILLER: R. TALLMAN
LOGGER: E. CHABOT

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Descriptions)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-4,SaSi,M,brn,rec.=1.2'	8	24.2		24.8	75.2		
10		A-4,SiSa,M,brn,rec.=1.2'	10	20.9		58.9	41.1		
15		A-4,SaSi,M,brn,rec.=2.0'	9	21.9		38.5	61.5		
20		A-4,SaSi,M,brn,rec.=1.0'	12	24.5	1.7	26.6	71.7		
25		A-4,SaSi,M,brn,rec.=1.2'	13	24.9	0.7	30	69.3		
30		A-4,SaSi,M,brn,rec.=1.3'	12	27.9	1.1	26.7	72.2		
35		A-4,SaSi,M,brn,rec.=1.2'	15	28.8		35.4	64.6		
40		A-4,SaSi,M,brn,rec.=1.0'	27	22.4	18	39.2	42.8		
45		Hole stopped @ 42.0'							
50									
55									
60									
65									
70									
75									
80									
85									
90									
95									

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION

HOLE NO.: R-7
SHEET 1 OF 1
DATE STARTED: 1/15/98
DATE COMPLETED: 1/20/98

PROJECT NAME: MORETOWN
SITE NAME: RETAINING WALL
STATION: REV. 195+43.82
GROUND EL.: 555.50

PROJECT NUMBER: RS0167(9)
SITE NO.:
OFFSET: 54.51
G.W. DEPTH: NO GROUNDWATER

BORING CREW
CREW CHIEF: E. WILLIS
DRILLER: R. MCGLYNN
LOGGER: R. TALLMAN

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Descriptions)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-4,SaSi,M,brn,rec.=1.6'	4	26.5		43.3	56.7		
10		A-4,Si,M,brn,rec.=1.5'	5	29.1		17.6	82.4		
15		A-4,SiSa,M,brn,rec.=1.0'	10	17.4		55.5	44.5		
20		A-4,Si,M,brn,rec.=1.1'	15	27.3		19.1	80.9		
25		A-4,SaSi,M,brn,rec.=1.2'	15	33.6		38.9	61.1		
30		A-4,SaSi,M,brn,rec.=1.2'	15	24.7		33	67		
35		A-4,SaSi,M,brn,rec.=1.4'	14	27.5		29.1	70.9		
40		A-4,Si,M,brn,rec.=1.4'	15	26.7		19	81		
45		A-4,SaSi,M,brn,rec.=1.1'	19	28	0.3	31.5	68.2		
50		A-4,SiSa,M,brn,rec.=1.9'	23	19.9		50.4	49.6		
55		A-4,SiSa,M,brn,rec.=1.5'	25	21.4		58.2	41.8		
		Top of bedrock @ 59.0'							
60		Run #1: BXMDC 59.0'-64.0' rec.=4.9'-See Geologist's Report	RUN 1	REC % 98	RQD % 79	Dip° 70			
65		Run #2: BXMDC 64.0'-69.0' rec.=5.0'-See Geologist's Report	2	100	98	70			
70		Hole stopped @ 69.0'							
75									
80									
85									
90									
95									

Geologist's Report:

Run 1: Core consists of green quartz-chlorite schist with minor calcite veins. Unweathered. Hard Competent.

Run 2: Same as Run #1. Competent.

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION

HOLE NO.: R-8
SHEET 1 OF 1
DATE STARTED: 1/28/98
DATE COMPLETED: 1/28/98

PROJECT NAME: MORETOWN
SITE NAME: RETAINING WALL
STATION: REV. 196+43.88
GROUND EL.: 518.07

PROJECT NUMBER: RS0167(9)
SITE NO.:
OFFSET: 20.98
G.W. DEPTH: NO GROUNDWATER

BORING CREW
CREW CHIEF: E. WILLIS
DRILLER: R. MCGLYNN
LOGGER: R. TALLMAN .

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Descriptions)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		No sample - boulders							
10		A-1-b,SiSaGr,M,brn rec.=0.5'	10	13.3	46.6	30.8	22.6		
		Top of bedrock @ 14.0'							
15		Run #1: BXMDC 14.0'-19.0' rec.=3.8'-See Geologist's Report	RUN 1	REC % 76	RQD % 74	Dip° 70			
20		Run #2: BXMDC 19.0'-24.0' rec.=3.1'-See Geologist's Report	2	60	50	70			
25		Hole stopped @ 24.0'							
30									
35		Note: Monitoring Well set to 14'; 10' Screen 5' Solid							
40		Note: 02/13/98 - No water in monitoring well							
45									
50									
55									
60									
65									
70									
75									
80									
85									
90									
95									

Geologist's Report:

Run 1: Core consists of green quartz-chlorite schist with quartz veins. Moderately hard. Unweathered. Competent.

Run 2: Same as Run #1.

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION

HOLE NO.: R-9
SHEET 1 OF 1
DATE STARTED: 1/29/98
DATE COMPLETED: 1/30/98

PROJECT NAME: MORETOWN
SITE NAME: RETAINING WALL
STATION: REV. 196+43.82
GROUND EL.: 526.43

PROJECT NUMBER: RS0167(9)
SITE NO.:
OFFSET: 40.98
G.W. DEPTH: No Groundwater

BORING CREW
CREW CHIEF:
DRILLER: CHABOT E J
LOGGER: LAPORTE

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Descriptions)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		Boulders-No Sample							
10		A-2-4,SiSa,W,brn rec.=0.4'	22	25.9	2.8	63.5	33.7		
15		A-4,SaSi,M,brn,rec.=0.5'	R	23.1	1.2	49	49.8		
		Top of bedrock @ 16.4'							
20		Run #1: BXMDC 16.4'-21.4' rec.=2.6'-See Geologist's Report	RUN 1	REC % 52	RQD % 52	Dip° 70			
25		Run #1: BXMDC 21.4'-26.4' rec.=3.1'-See Geologist's Report	2	62	58	70			
		Hole stopped @ 26.4'							
30									
35									
40									
45									
50									
55									
60									
65									
70									
75									
80									
85									
90									
95									

Geologist's Report:

Run 1: Core consists of light green quartz-chlorite schist. Moderately hard. Unweathered. Recovered rock is competent.

Run 2: Same as Run #1, but with quartz veins.

BORING LOG (2)

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32b03.1 PLOT DATE: 12-MAY-2000
PROJECT LEADER: R.R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR311 SHEET 143C OF 243

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION

HOLE NO.: R-10
SHEET 1 OF 1
DATE STARTED: 2/2/98
DATE COMPLETED: 2/3/98

PROJECT NAME: MORETOWN
SITE NAME: RETAINING WALL
STATION: REV. 196+93.91
GROUND EL.: 534.65

PROJECT NUMBER: RSO167(9)
SITE NO.:
OFFSET: 23.71
G.W. DEPTH: No Groundwater

BORING CREW
CREW CHIEF: E. WILLIS
DRILLER: R. MCGLYNN
LOGGER: W. LAPORTE

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-4,SaSi,M,brn,rec.=0.8'	5	25		44.7	55.3		
10		A-4,SaSi,M,brn,rec.=1.2'	15	23.8		34.6	65.4		
15		A-4,SaSi,M,brn,rec.=1.3'	13	29.6		31.3	68.7		
20		A-4,SaSi,M,brn,rec.=1.1'	28	25.1		36.5	63.5		
25		A-4,SaSi,M,brn,rec.=1.3'	30	21.6	0.3	29.2	70.5		
30		A-4,SaSi,M,brn,rec.=1.0'	21	24.3	0.1	29.3	70.6		
			Top of bedrock @ 34.0'						
35		Run #1: BXMDC 34.0'-39.0' rec.=4.2'-See Geologist's Report	RUN 1	REC % 84	ROD % 68	Dip° 70			
40		Run #2: BXMDC 39.0'-44.0' rec.=5.0'-See Geologist's Report	2	100	98	70			
45			Hole stopped @ 44.0'						
50									
55									
60									
65									
70									
75									
80									
85									
90									
95									

Geologist's Report:

Run 1: Core consists of light grayish-green quartz chlorite schist with minor quartz veins. Moderately Hard. Unweathered. Competent.

Run 2: Same as Run #1.

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION

HOLE NO.: R-12
SHEET 1 OF 1
DATE STARTED: 2/5/98
DATE COMPLETED: 2/9/98

PROJECT NAME: MORETOWN
SITE NAME: RETAINING WALL
STATION: REV. 197+43.00
GROUND EL.: 549.29

PROJECT NUMBER: RSO167(9)
SITE NO.:
OFFSET: 42.00
G.W. DEPTH: No Groundwater

BORING CREW
CREW CHIEF: R. MCGLYNN
DRILLER: E. CHABOT
LOGGER: R. TALLMAN

BORING RIG: SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		Combined Sample A-4,GrSaSi,M,brn rec. varies 1.0 to 1.5 Friction Angle = 29° Cohesion, c', = 225 psf	4	22.3	20.4	34	45.6		
10			12						
15			15	10.3					
20			11	19.6					
25			11	24					
30		Combined Sample A-4,SaSi,M,brn rec. varies 1.0 to 1.3 Friction Angle = 33° Cohesion, c', = 0 psf	18	20.5	0.2	46.3	53.5		
35			17	25.4					
40			13	24.8					
45			15	24.9					
50		Combined Sample A-4,SiSa,M,brn rec. varies 1.1 to 1.2 Friction Angle = 31° Cohesion, c', = 360 psf	15	26.3	4.6	52.5	42.9		
55			19	20.7					
60			22	14.8					
			Top of bedrock @ 65.0'						
65		Rock Particles,rec.=2.0	23	3.3					
70		Run #1: BXMDC, 67.0'-72.0' rec.=1.0-See Geologist's Report	RUN 1	REC % 20	ROD % 8	Dip° 70			
75		Run #1: BXMDC, 72.0'-77.0' rec.=2.4-See Geologist's Report	2	48	40	70			
80			Hole stopped @ 77.0'						
85									
90									
95									

Note: During coring of bedrock 67.0'-77.0' rock particles being washed away by core water.

Monitoring Well installed to 47.5'
30' Screen & 20' Solid

Geologist's Report:

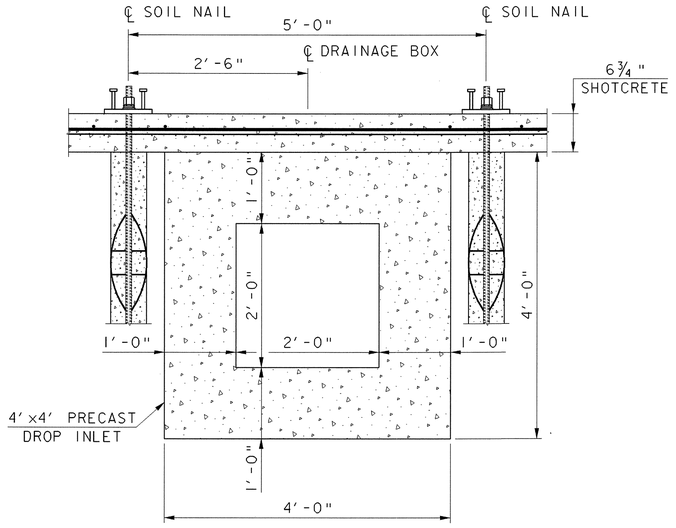
Run 1: Core consists of light green quartz-chlorite schist. Moderately Hard. Unweathered. Poor RQD and recovery.

Run 2: Same as Run #1.

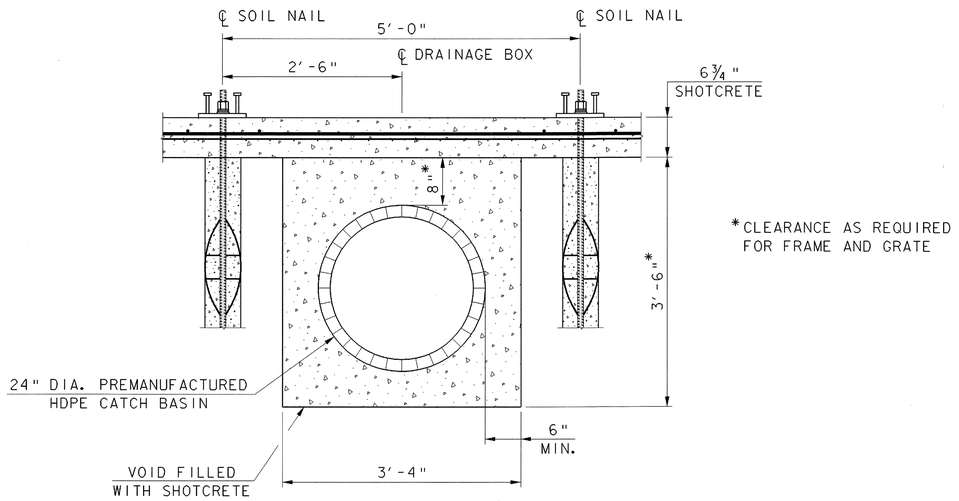
BORING LOGS (3)

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32b04.1 PLOT DATE: 12-MAY-2000
PROJECT LEADER: R.R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR312 SHEET 143D OF 243



OPTION "A"



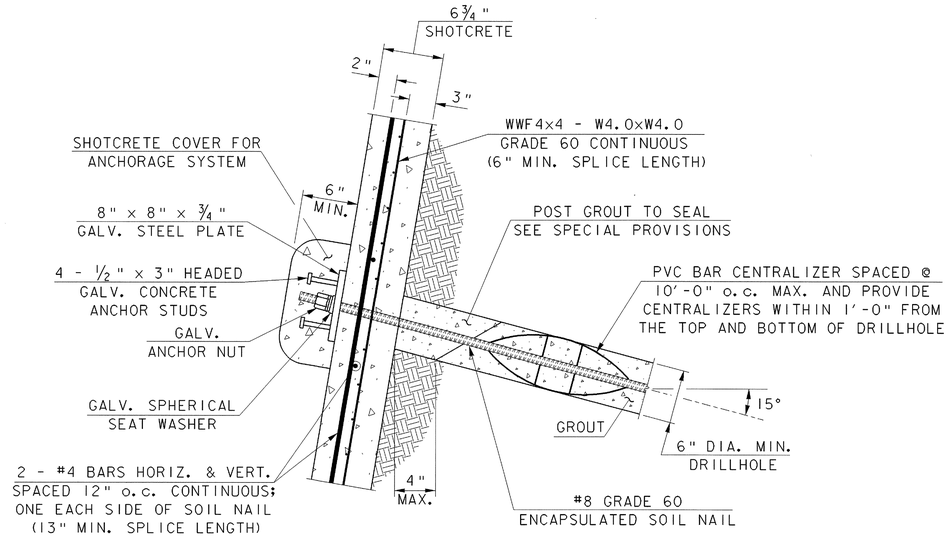
*CLEARANCE AS REQUIRED FOR FRAME AND GRATE

OPTION "B"

DRAINAGE BOX PLAN BEHIND WALL NO. 3 AT STA. 196+65

SCALE: 1" = 1′-0"

NOTE:
IF CONTRACTOR DECIDES NOT TO USE EITHER OPTION, A WRITTEN PROPOSAL WITH DETAIL DRAWINGS SHALL BE SENT TO THE STRUCTURES ENGINEER FOR APPROVAL.



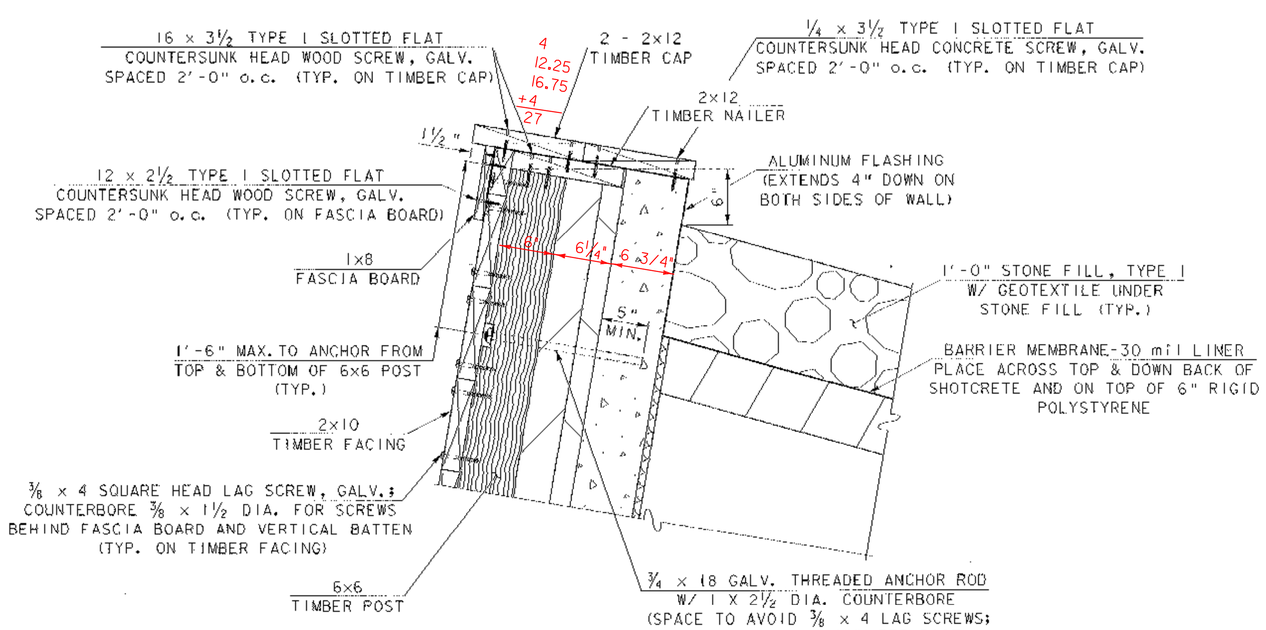
SOIL NAIL HEAD AND SHOTCRETE FACE DETAIL

SCALE: 1½" = 1′-0"

SOIL NAIL AND DRAINAGE DETAILS

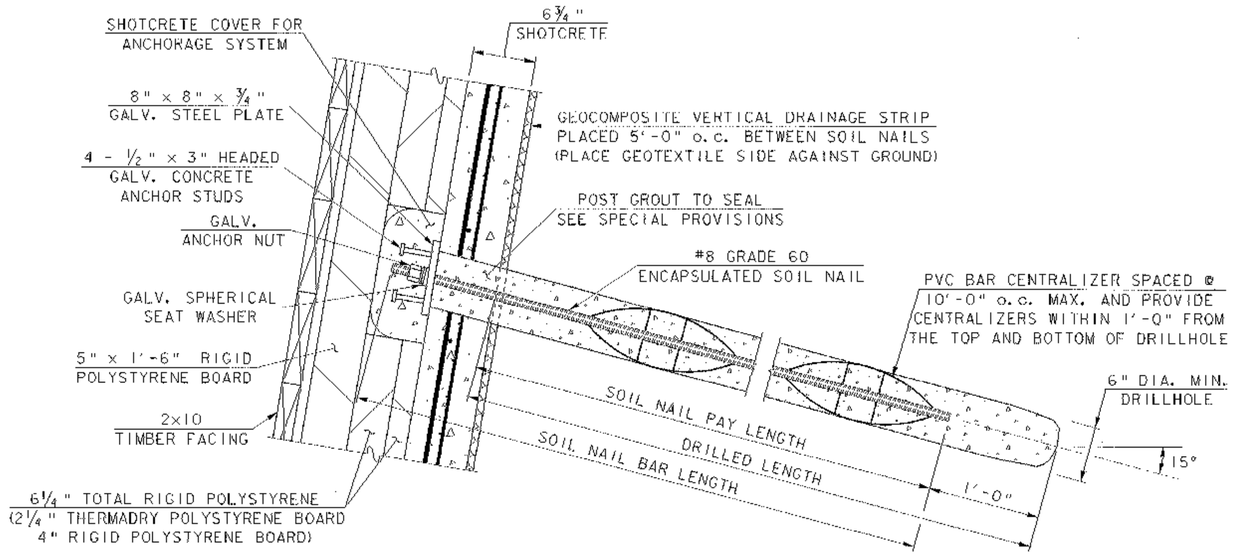
PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32snd.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR313	SHEET 144A OF 243



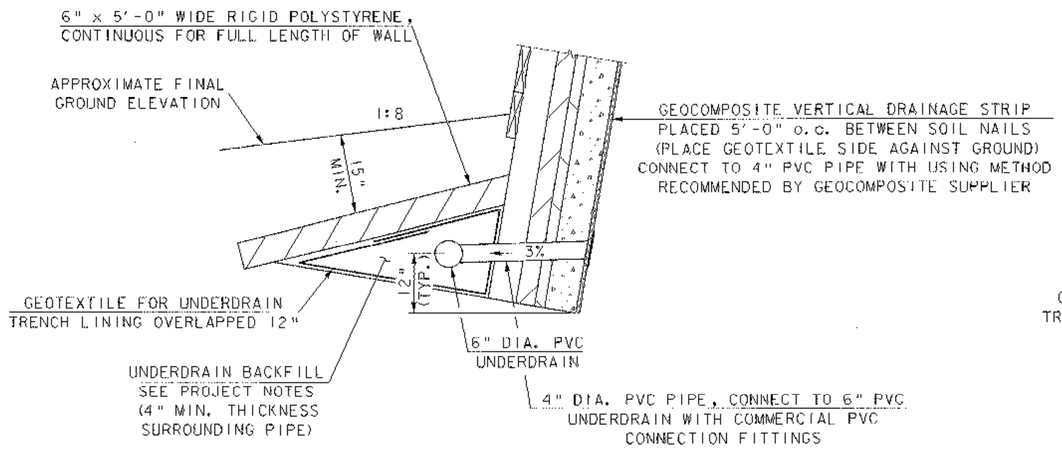
TIMBER CAP AND POST ANCHOR DETAIL

SCALE: 1½" = 1'-0"



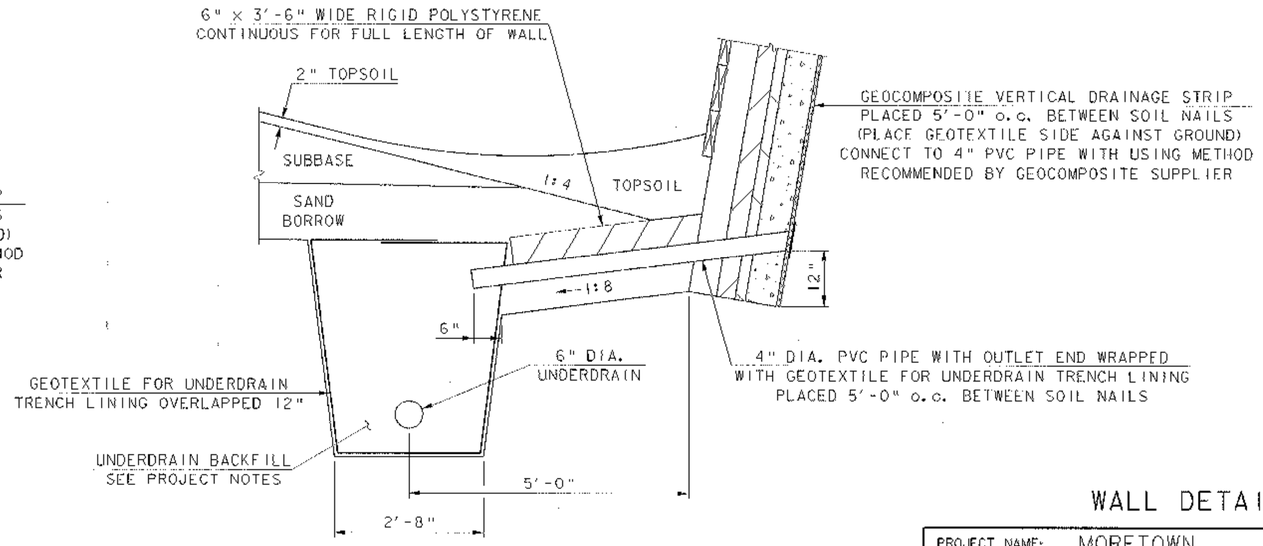
SOIL NAIL DETAIL

SCALE: 1½" = 1'-0"



UPPER WALL DRAINAGE DETAIL

SCALE: ¾" = 1'-0"

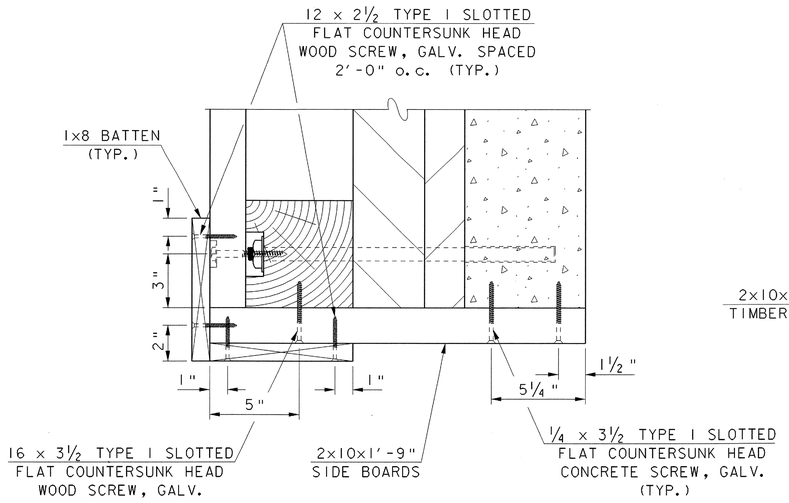


LOWER WALL DRAINAGE DETAIL

SCALE: ¾" = 1'-0"

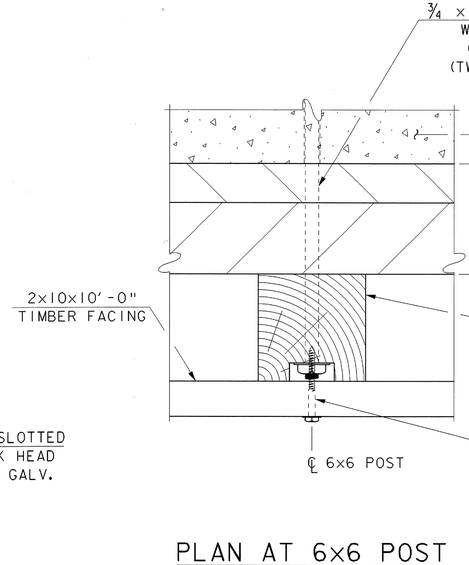
WALL DETAILS

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32det1	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR314	SHEET 144B OF 243



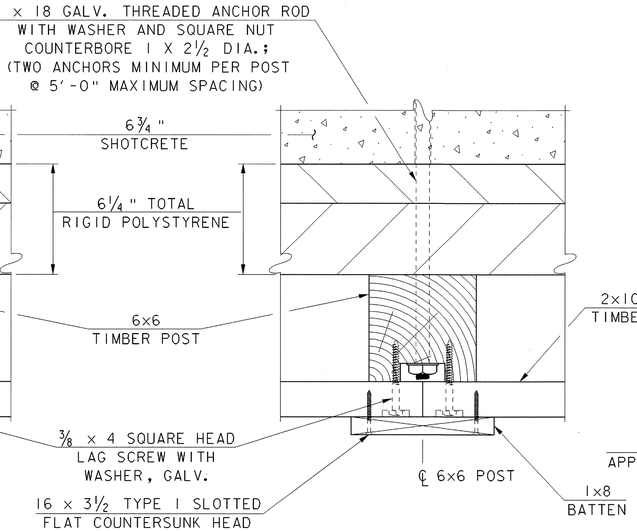
PLAN AT END OF WALL

SCALE: 3" = 1'-0"



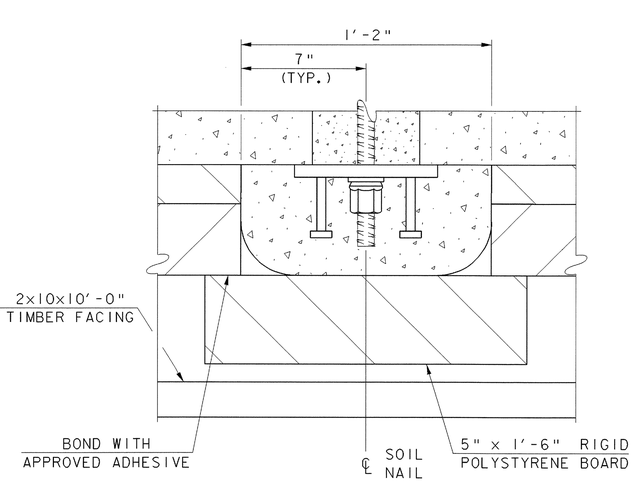
PLAN AT 6x6 POST WITHOUT 1x8 BATTEN

SCALE: 3" = 1'-0"



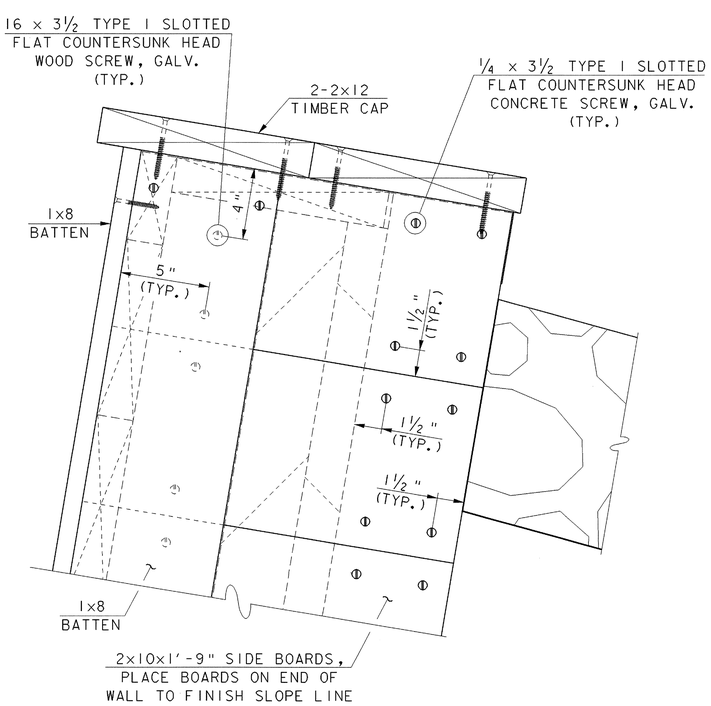
PLAN AT 6x6 POST WITH 1x8 BATTEN

SCALE: 3" = 1'-0"



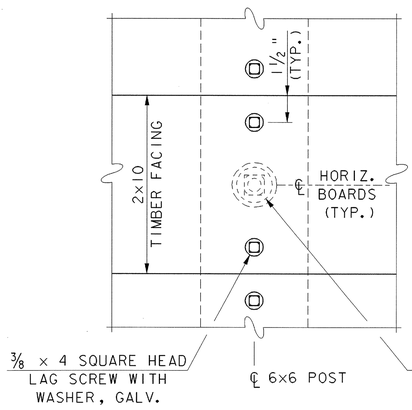
PLAN AT SOIL NAIL

SCALE: 3" = 1'-0"



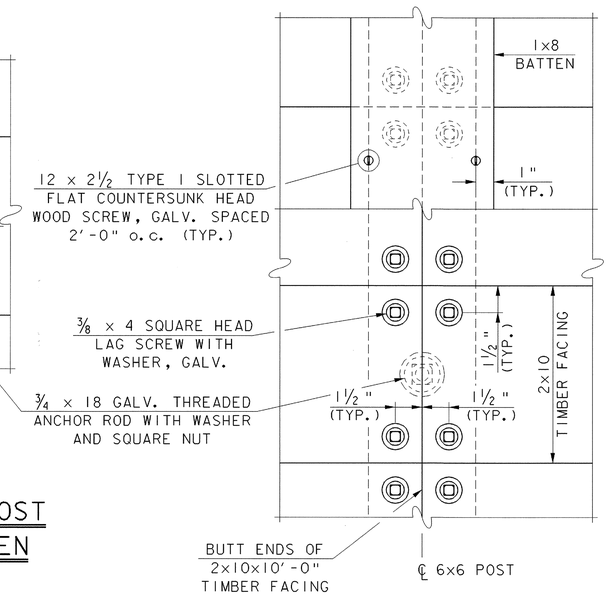
ELEVATION AT END OF WALL

SCALE: 3" = 1'-0"



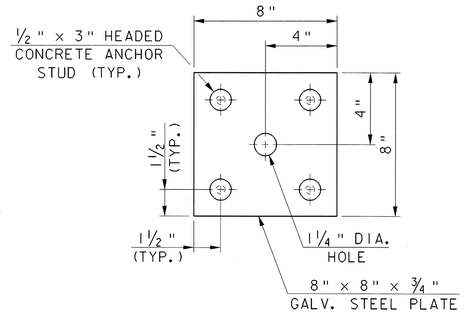
ELEVATION AT 6x6 POST WITHOUT 1x10 BATTEN

SCALE: 3" = 1'-0"



ELEVATION AT 6x6 POST WITH 1x10 BATTEN

SCALE: 3" = 1'-0"

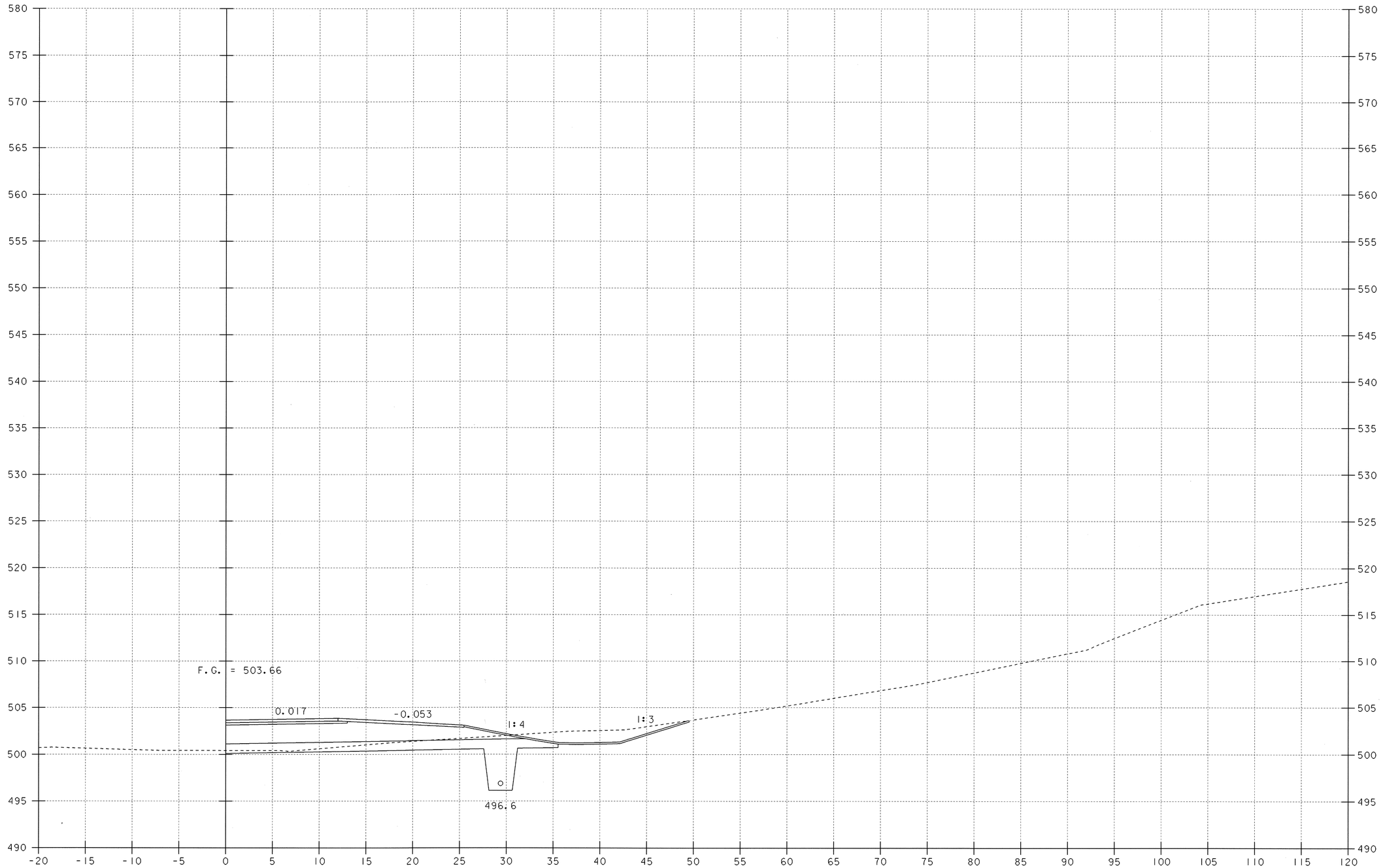


ANCHORAGE PLATE DETAIL

SCALE: 3" = 1'-0"

WALL FACING DETAILS

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32wfd.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R.R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR315	SHEET 144C OF 243



REV. 193+75

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN	
PROJECT NUMBER: STP EGC RSEGC 0167 (9)	
FILE NAME: \78el32\Structures\sel32t01.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR316	SHEET 145A OF 243

F.G. = 503.66

0.017

-0.053

1:4

1:3

496.6

Direct Cliff Excavation (For Excavation - not Dwg)

REV. 193+75

SCALE 1" = 5'-0

5 0 5

PROJECT NAME: MORETOWN

PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32t01.i PLOT DATE: 12-MAY-2000

PROJECT LEADER: R. R. WHITCOMB DRAWN BY: G. ROY

DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN

BRIDGE SHEET BR316 SHEET 145A OF 243

F. G. = 503.90

0.014

-0.056

1:4

1:2

REV. 193+89 @ 28.8' RT.
NEW RCDI W/ TYPE A GRATE
F. G. EL. 501.80; DEPTH= 6.5'

INLET INV.
EL. 496.4

OUTLET INV.
EL. 496.9

REV. 193+90 RT. ~ REV. 196+64 RT.
NEW 6' X 286' PVC UNDERDRAIN

REV. 193+90 RT. ~ REV. 196+60 RT.
NEW 6' X 270' UNDERDRAIN (MOD.)
W/ FB @ REV. 196+60 RT.

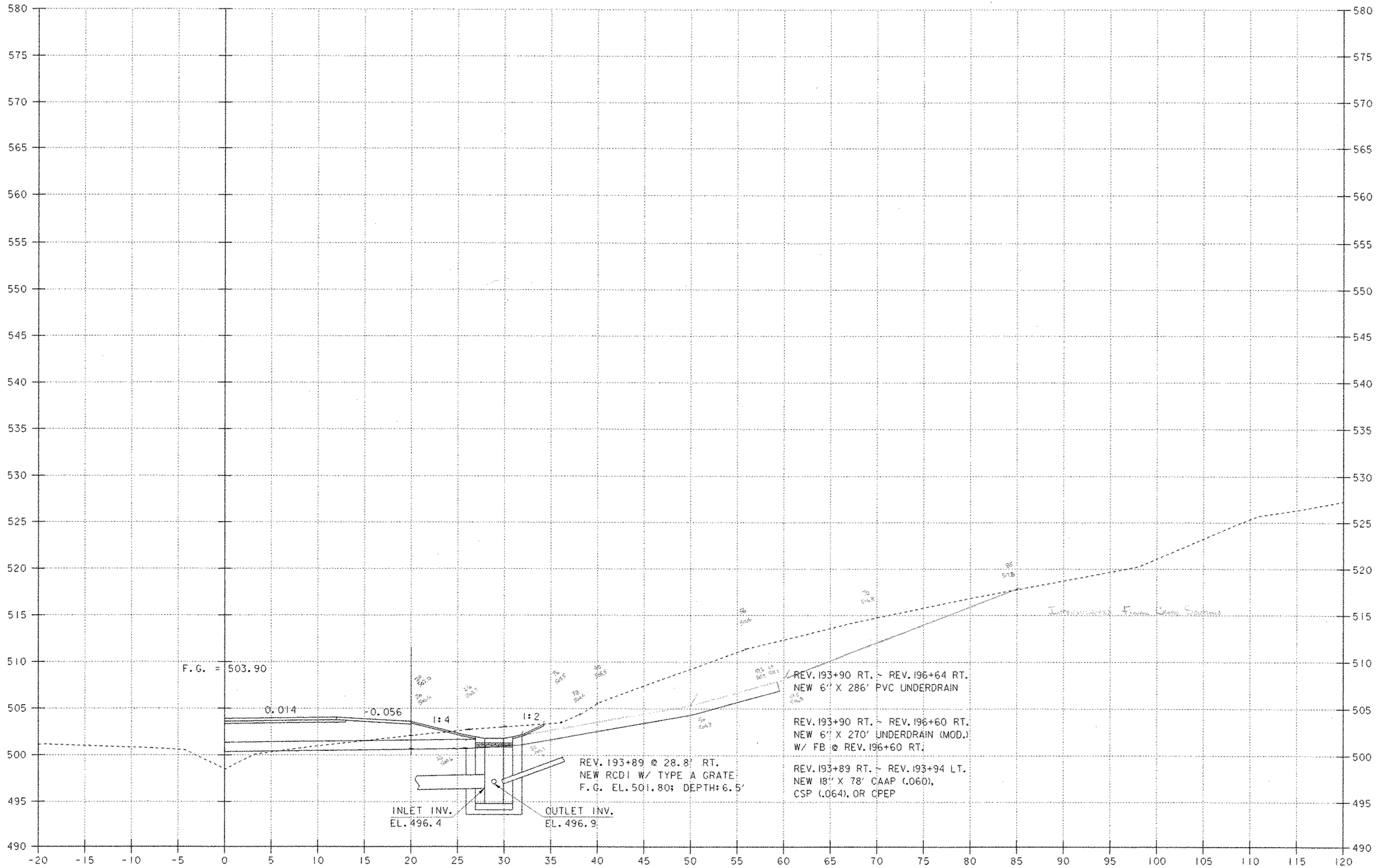
REV. 193+89 RT. ~ REV. 193+94 LT.
NEW 18' X 78' CAAP (.060),
CSP (.064), OR CPEP

REV. 193+89

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

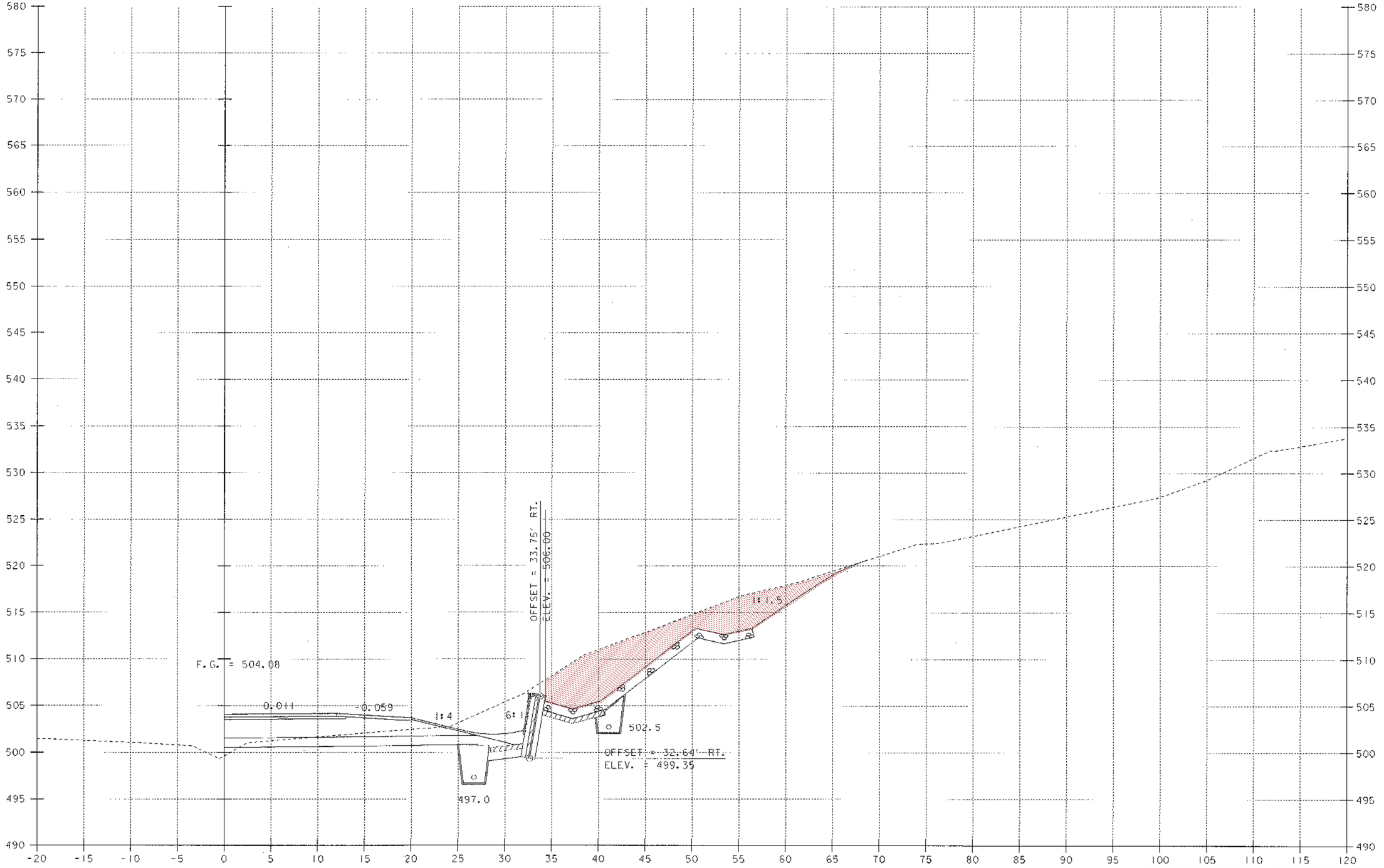
FILE NAME: \78el32\Structures\sel32t02.l PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR317 SHEET 1458 OF 243



REV. 193+89

SCALE 1" = 5'-0
5 0 5

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32t02.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR317	SHEET 145B OF 243



REV. 194+00

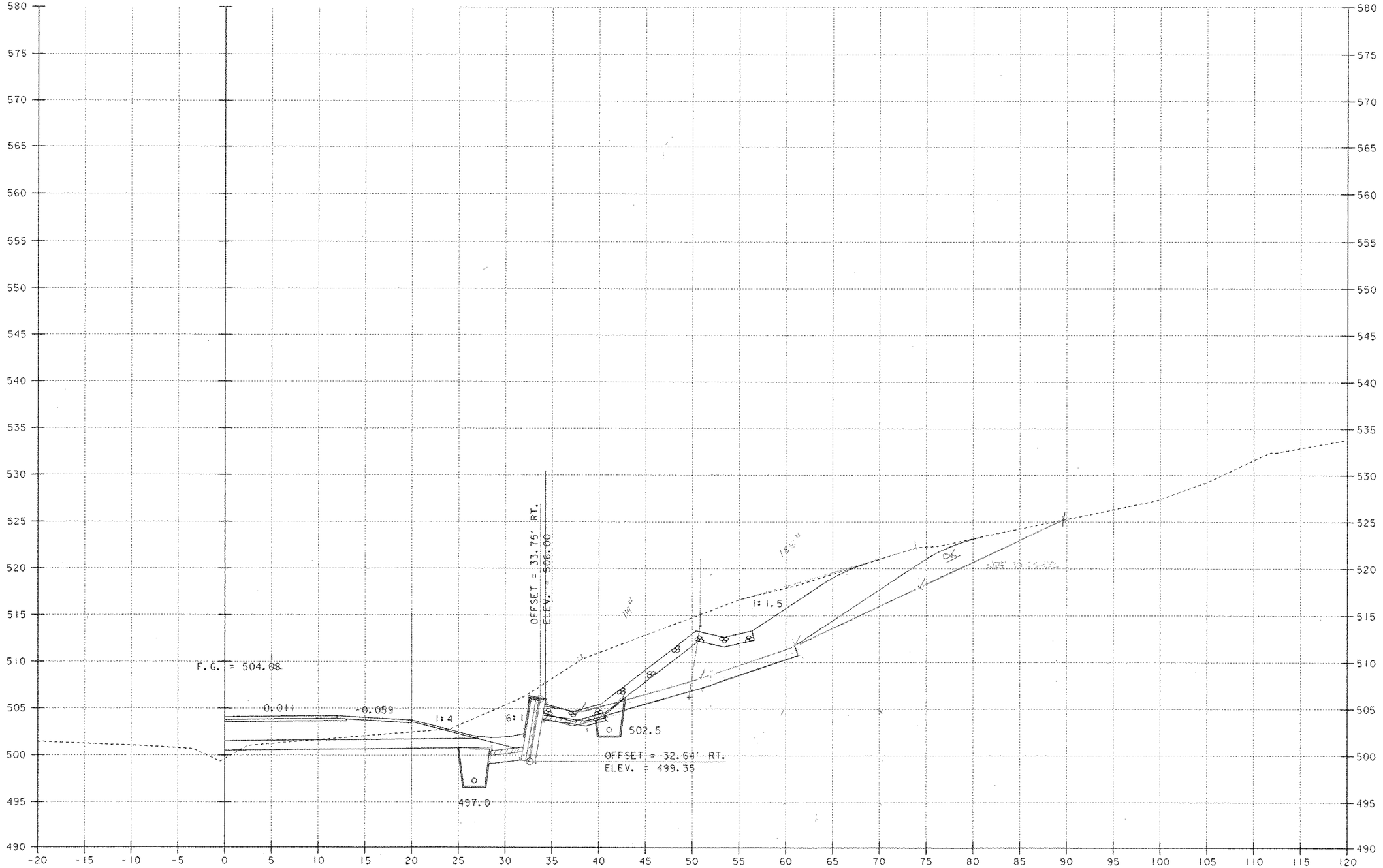
REV. 193+87 RT.
BEGIN STRUCTURE EXCAVATION
GEOTEXTILE UNDER STONE FILL
STONE FILL, TYPE I

REV. 194+00 RT.
BEGIN RETAINING WALL NO. 3

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32103.t PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR318 SHEET 145C OF 243



REV. 193+87 RT.
BEGIN STRUCTURE EXCAVATION
GEOTEXTILE UNDER STONE FILL
STONE FILL, TYPE I

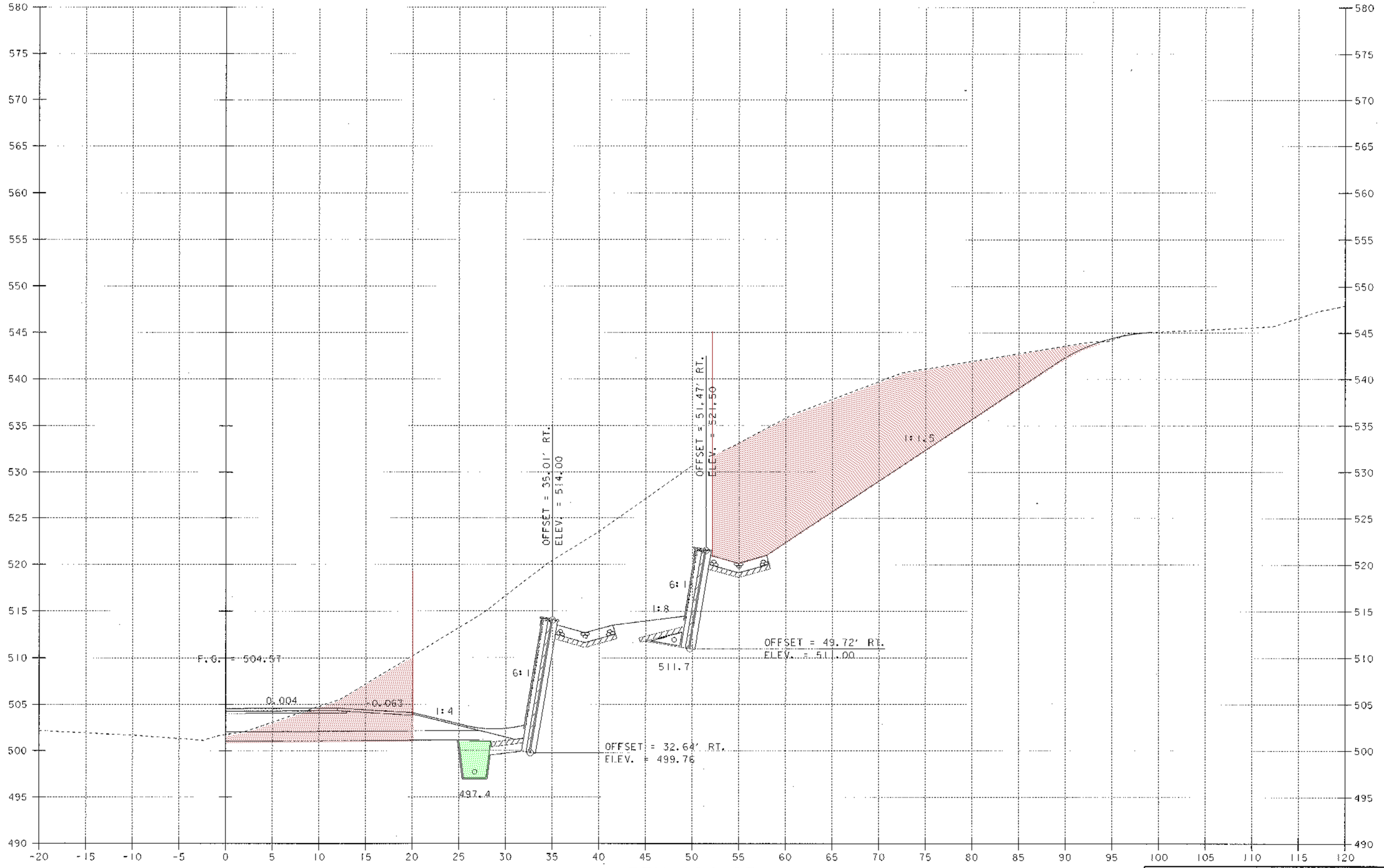
REV. 194+00

SCALE 1" = 5'-0
5 0 5

REV. 194+00 RT.
BEGIN RETAINING WALL NO. 3

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32t03.1 PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR318 SHEET 145C OF 243



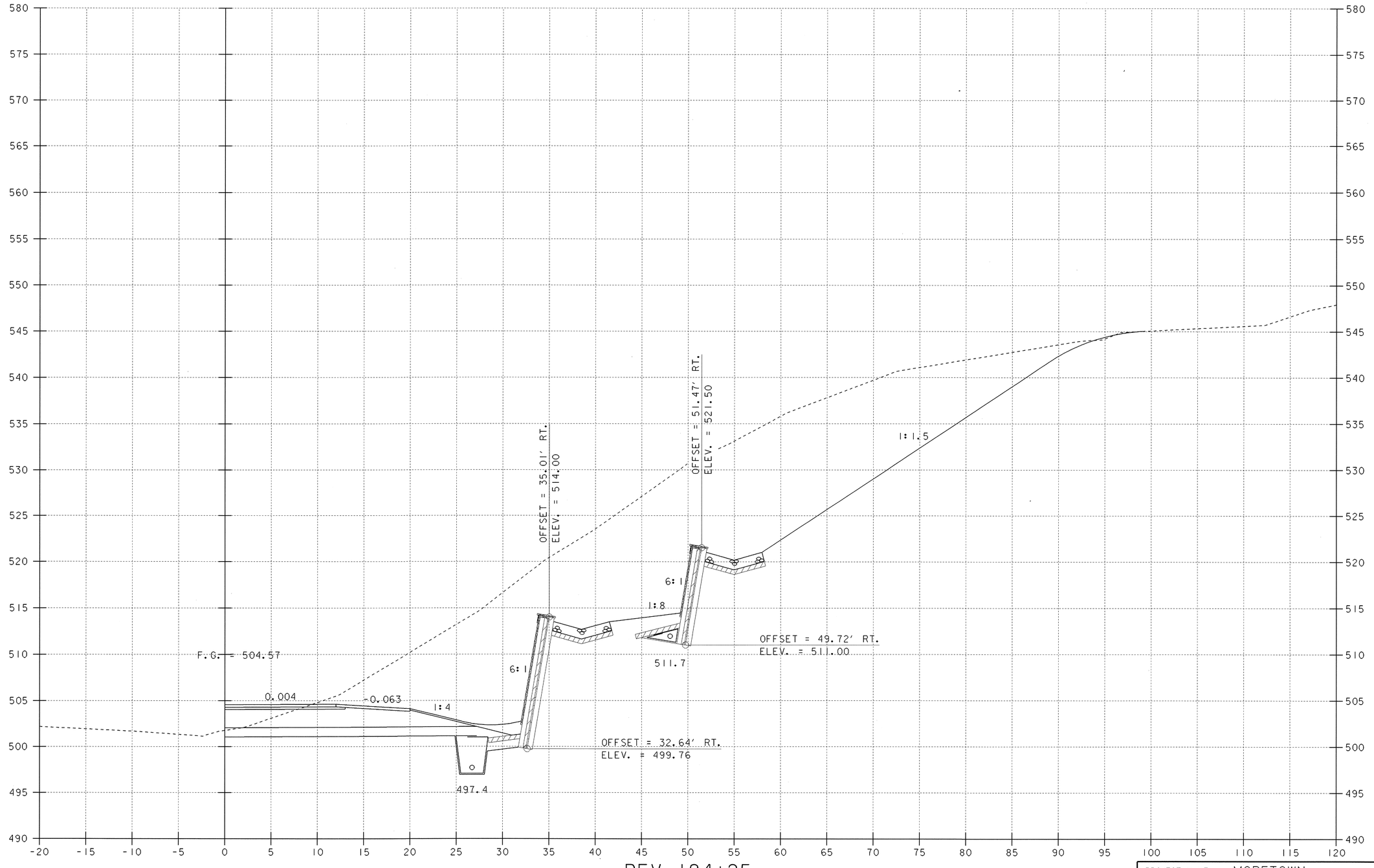
REV. 194+25

SCALE 1" = 5'-0
5 0 5

REV. 194+10 RT.
BEGIN RETAINING WALL NO. 2

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78ol32\Structures\sel32t04.1 PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR319 SHEET 1450 OF 243



REV. 194+25

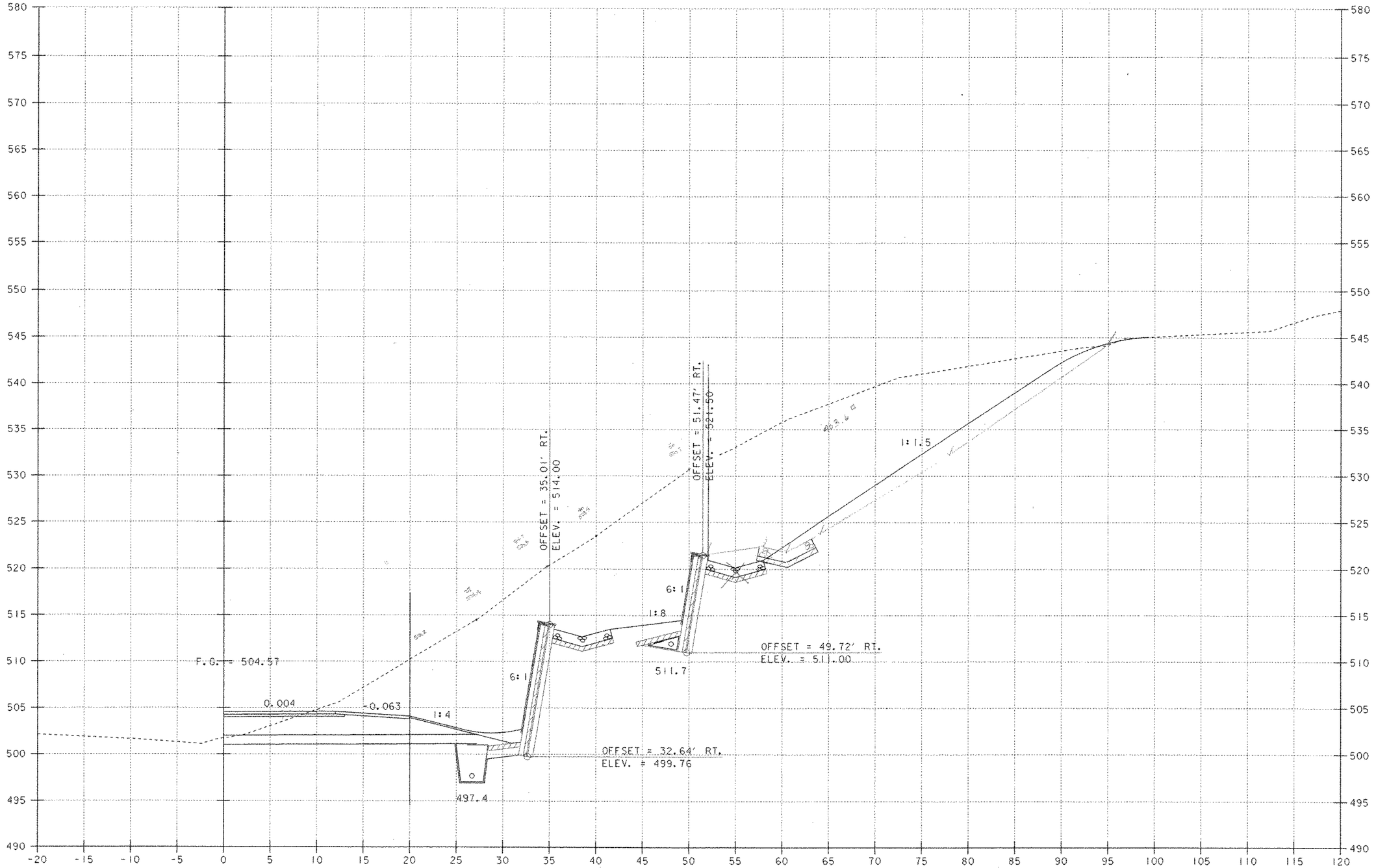
SCALE 1" = 5'-0
5 0 5

REV. 194+10 RT.
BEGIN RETAINING WALL NO. 2

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32t04.i
PROJECT LEADER: R. R. WHITCOMB
DESIGNED BY: C. ALLEN
BRIDGE SHEET BR319

PLOT DATE: 12-MAY-2000
DRAWN BY: G. ROY
CHECKED BY: C. ALLEN
SHEET 145D OF 243



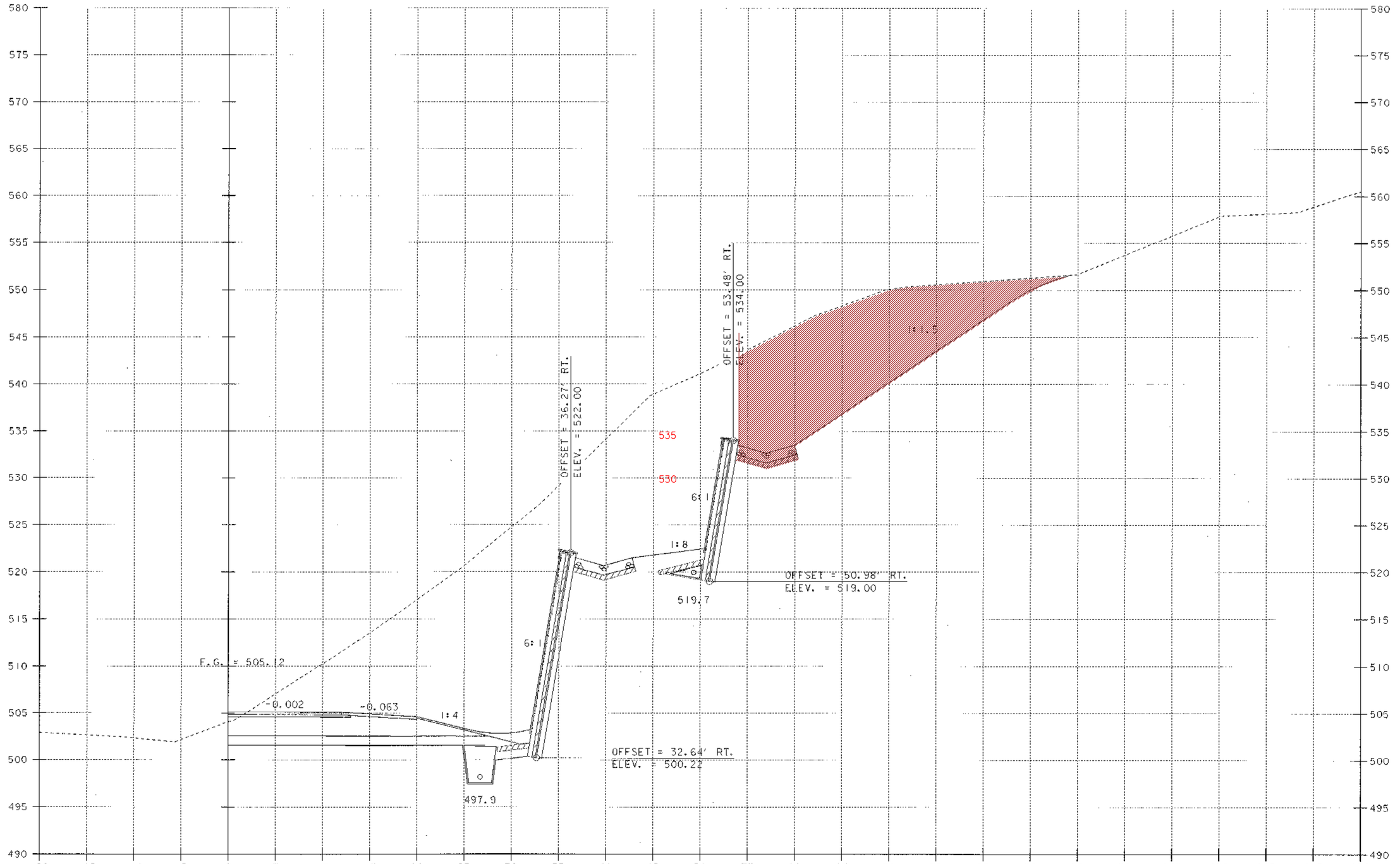
REV. 194+25

REV. 194+10 RT.
BEGIN RETAINING WALL NO. 2

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

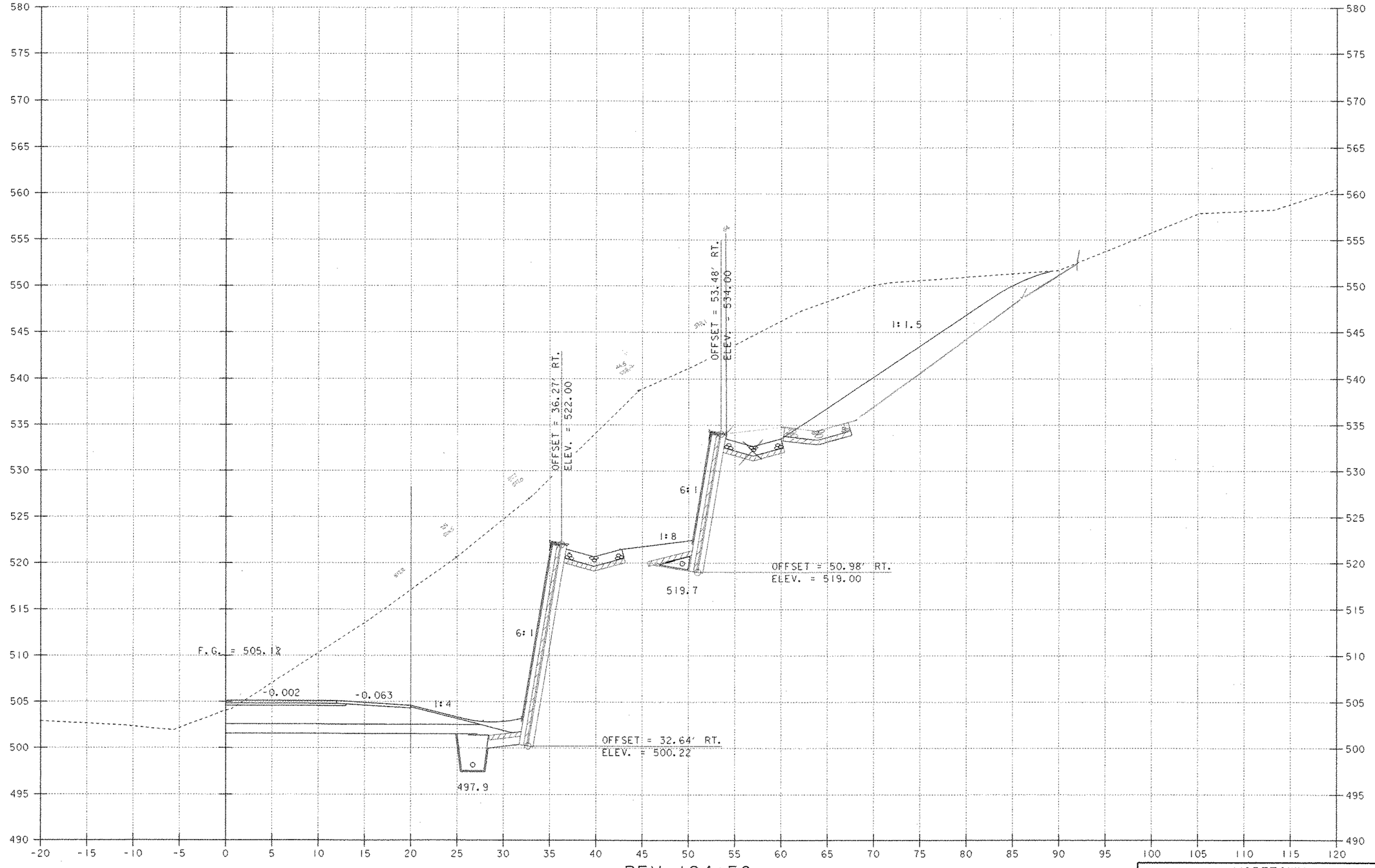
FILE NAME: \78el32\Structures\sel32t04.i PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR319 SHEET 145D OF 243



REV. 194+50

SCALE 1" = 5'-0
5 0 5

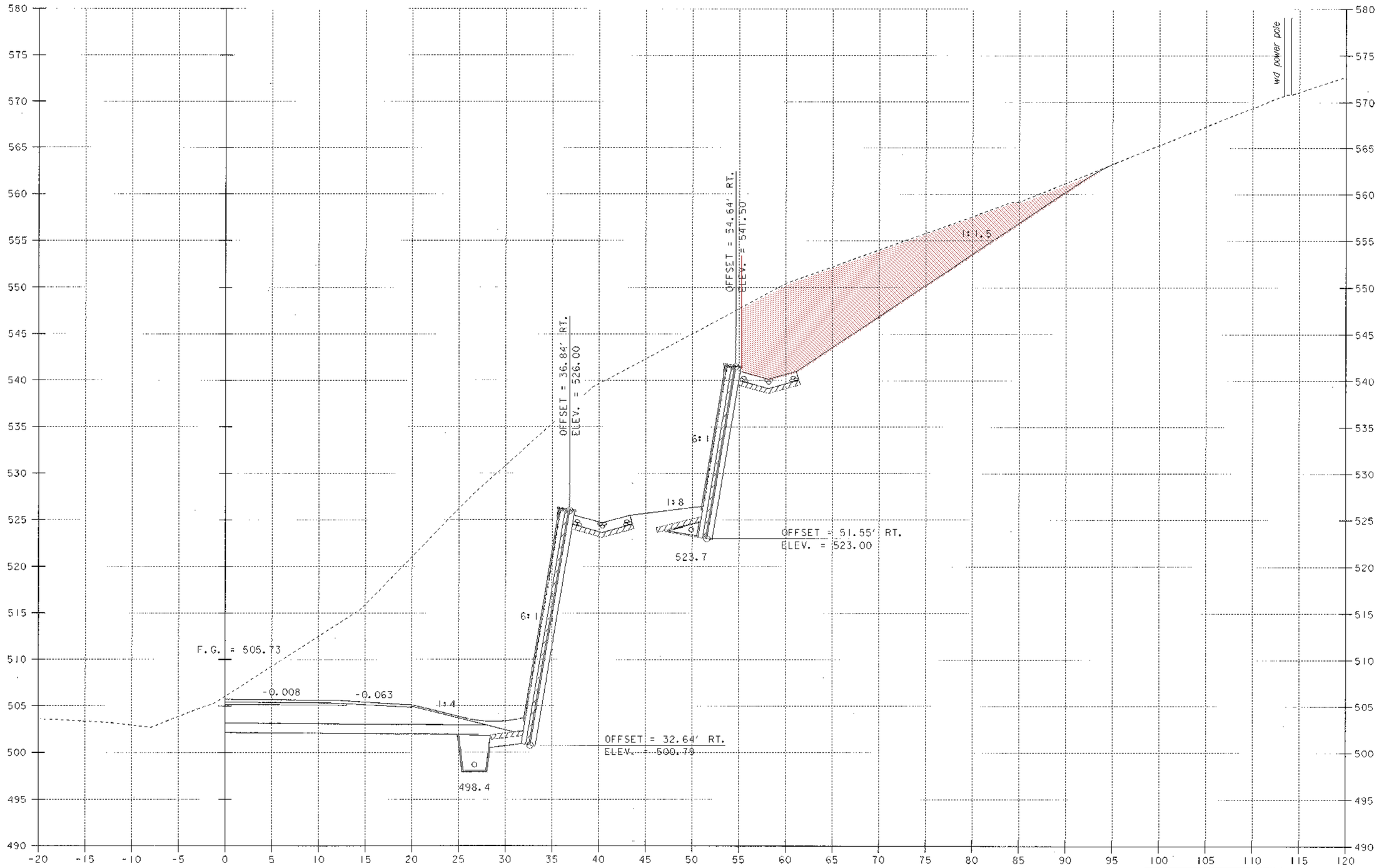
PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32t05.1	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR320	SHEET 145E OF 243



REV. 194+50

SCALE 1" = 5'-0

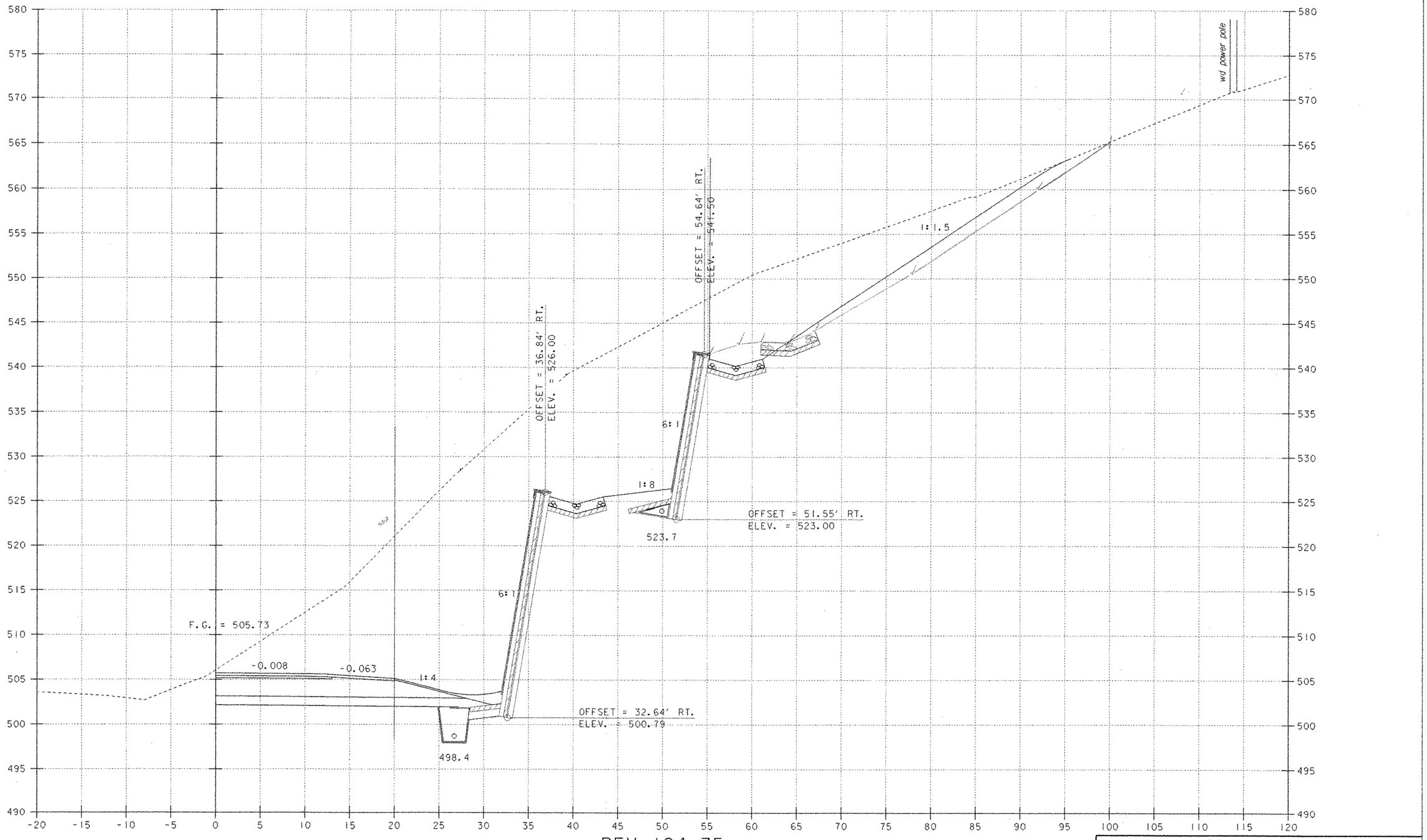
PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32t05.1	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR320	SHEET 145E OF 243



REV. 194+75

SCALE 1" = 5'-0

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32t06.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR321	SHEET 145F OF 243

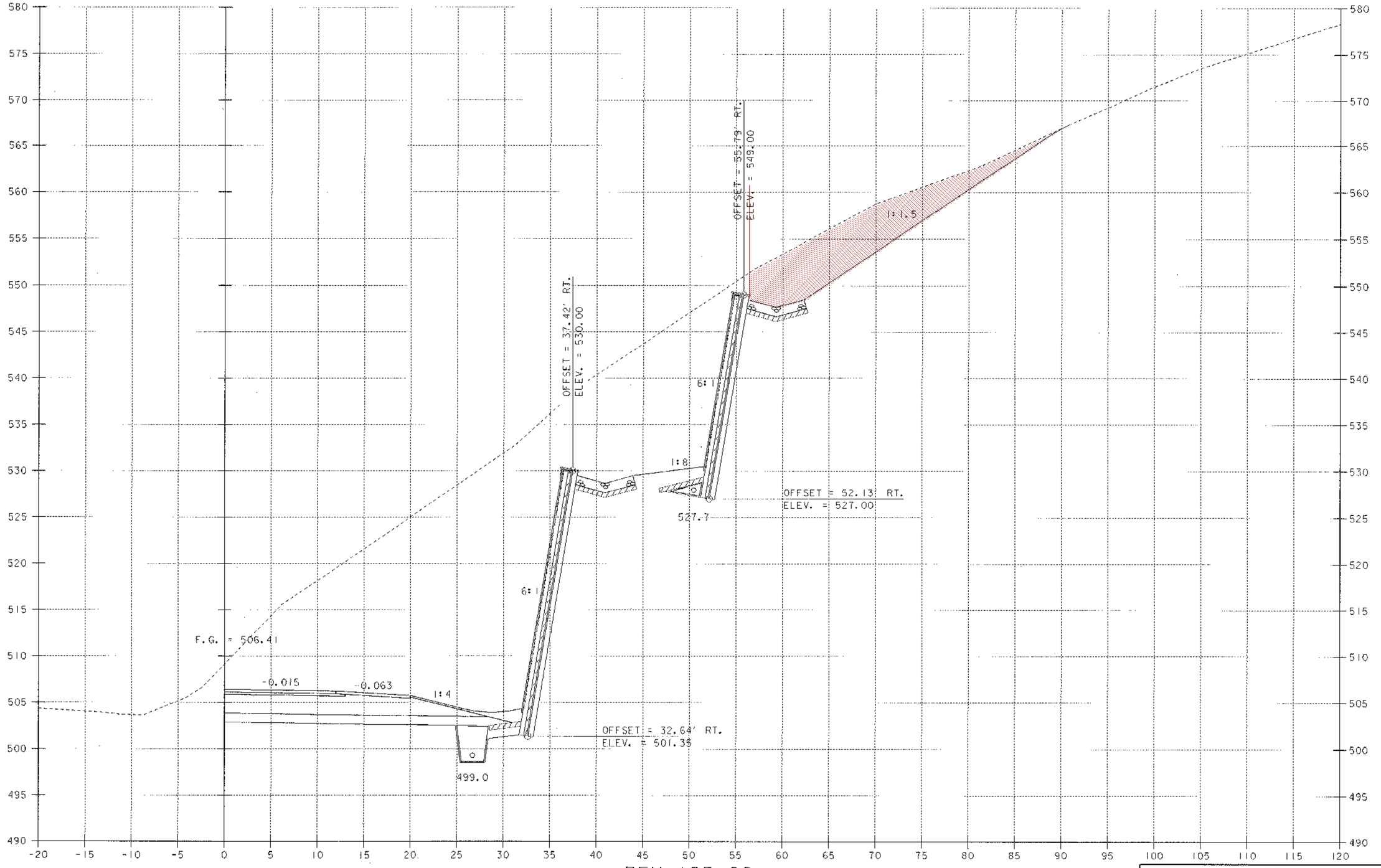


REV. 194+75

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

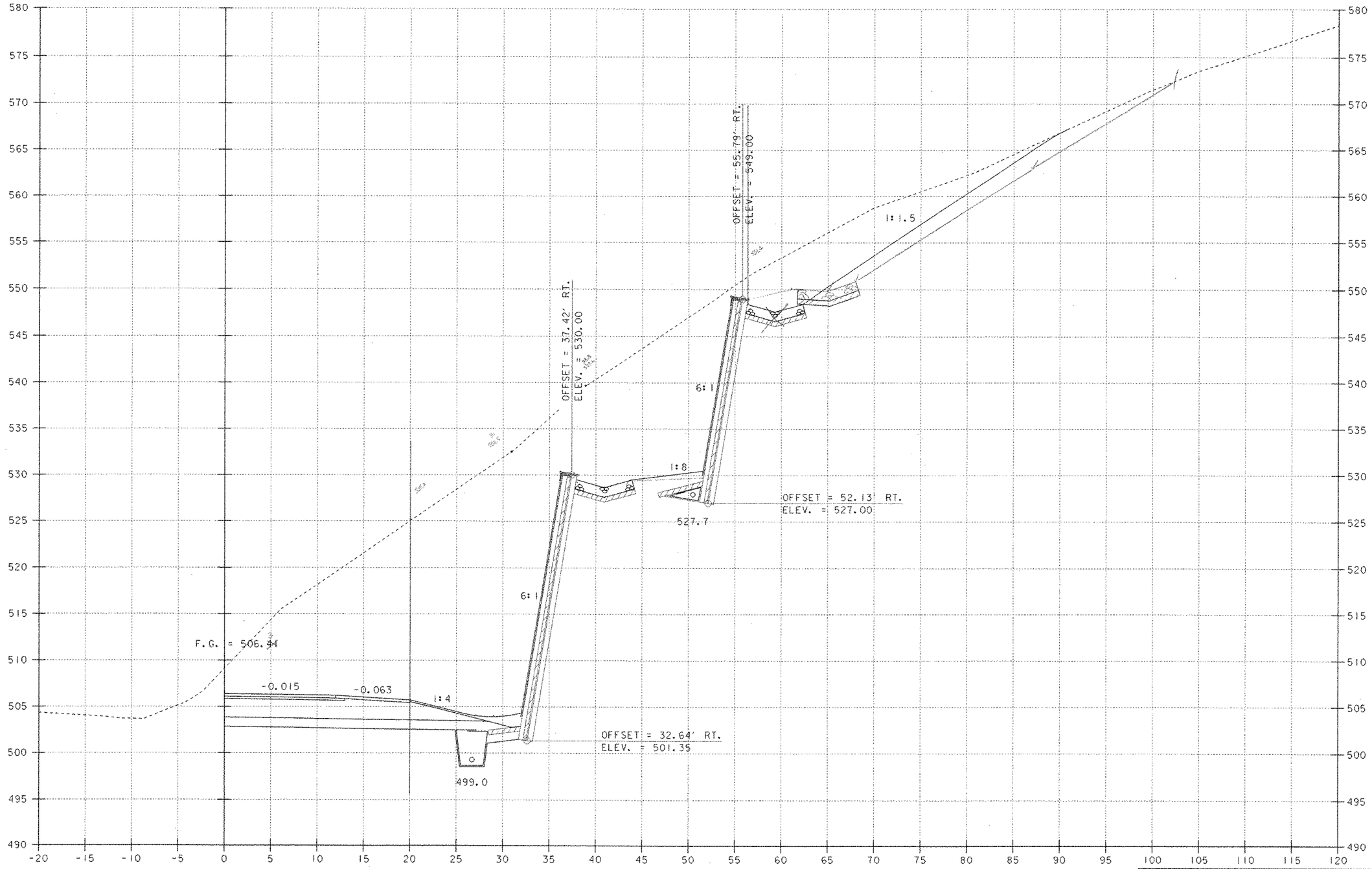
FILE NAME: \78el32\Structures\sel32t06.1 PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR321 SHEET 145F OF 243



REV. 195+00

SCALE 1" = 5'-0

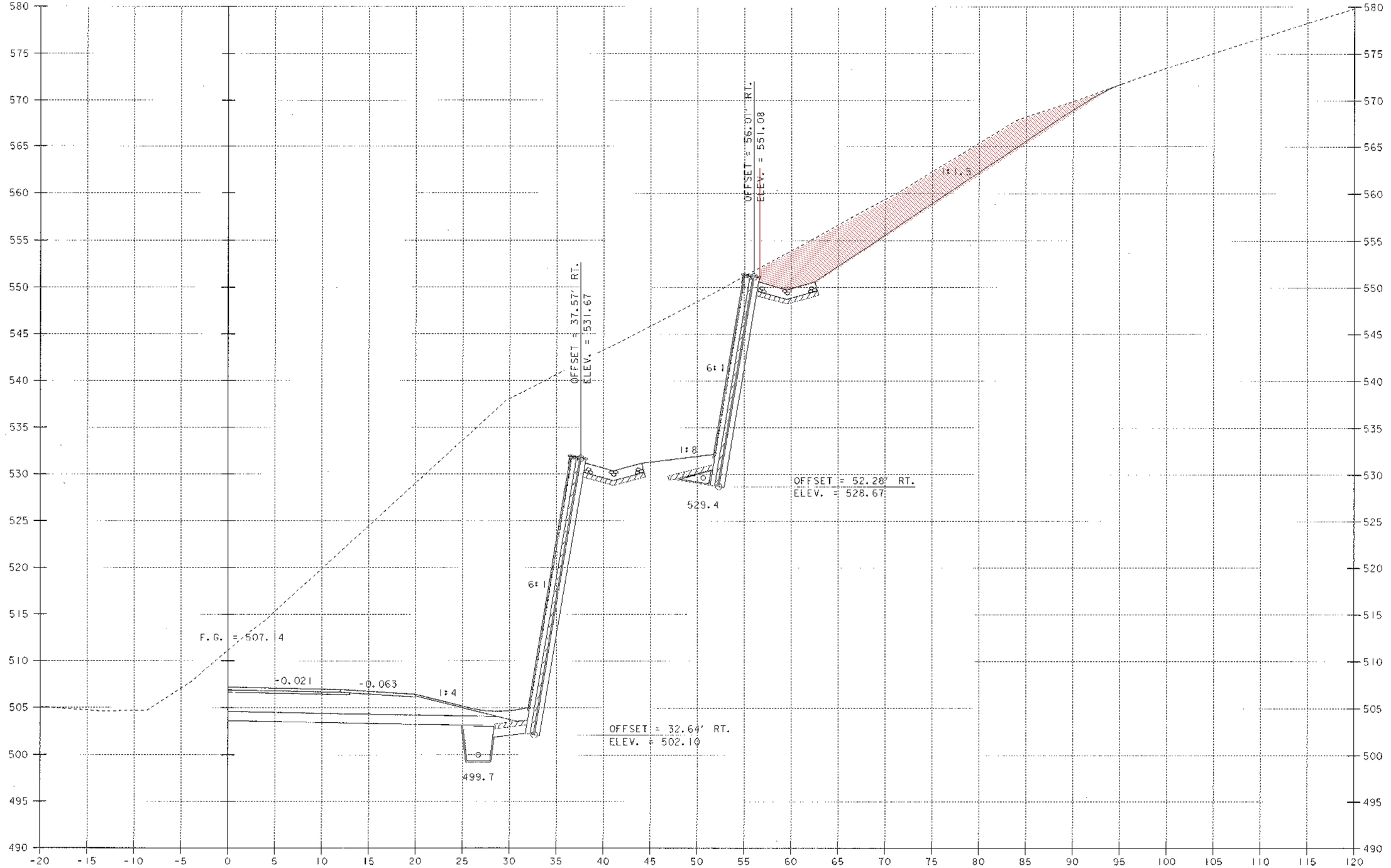
PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32t07.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R.R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR322	SHEET 145G OF 243



REV. 195+00

SCALE 1" = 5'-0
5 0 5

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32t07.1	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR322	SHEET 145G OF 243

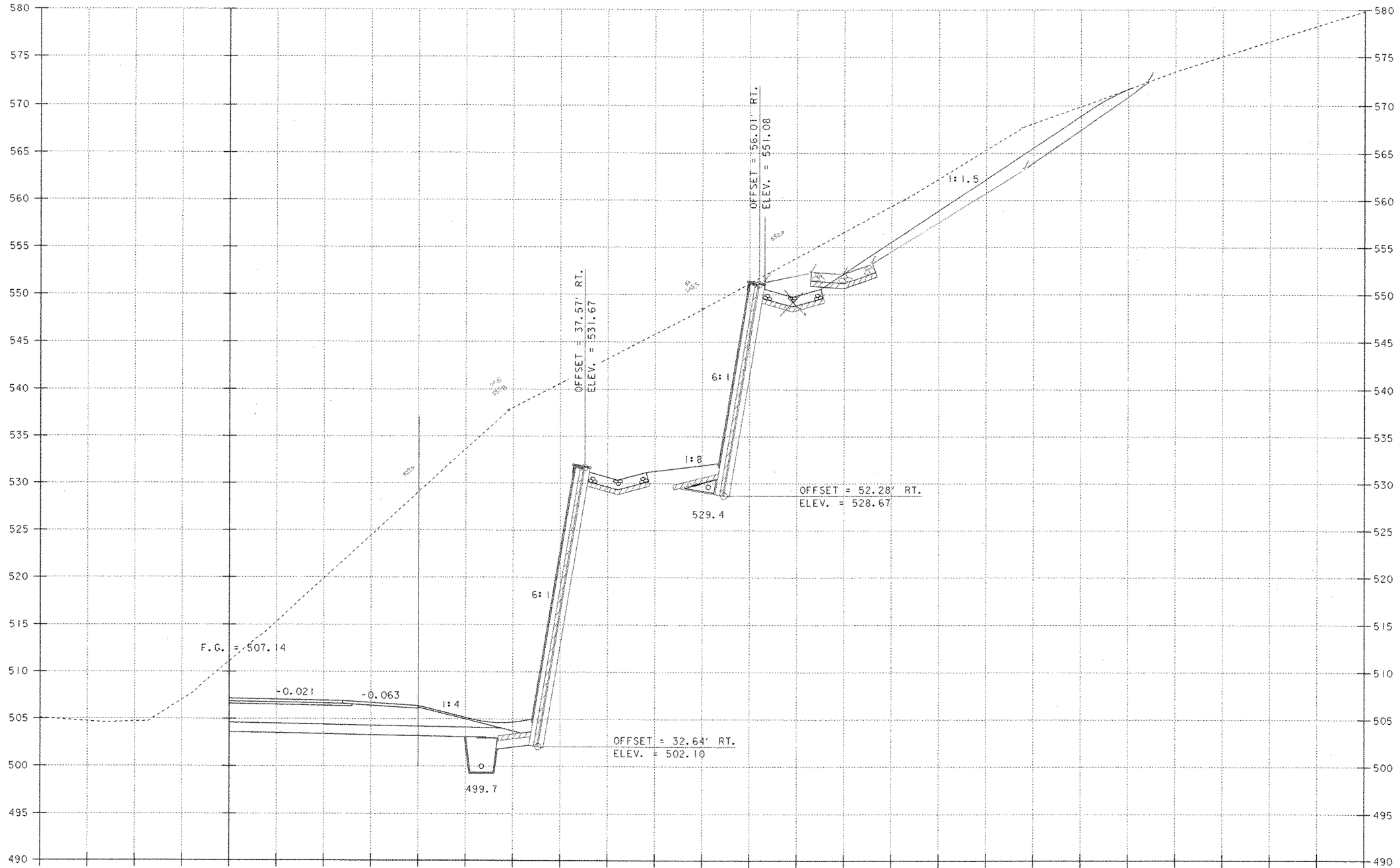


REV. 195+25

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32t08.i PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB DRAWN BY: C. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR323 SHEET 145H OF 243

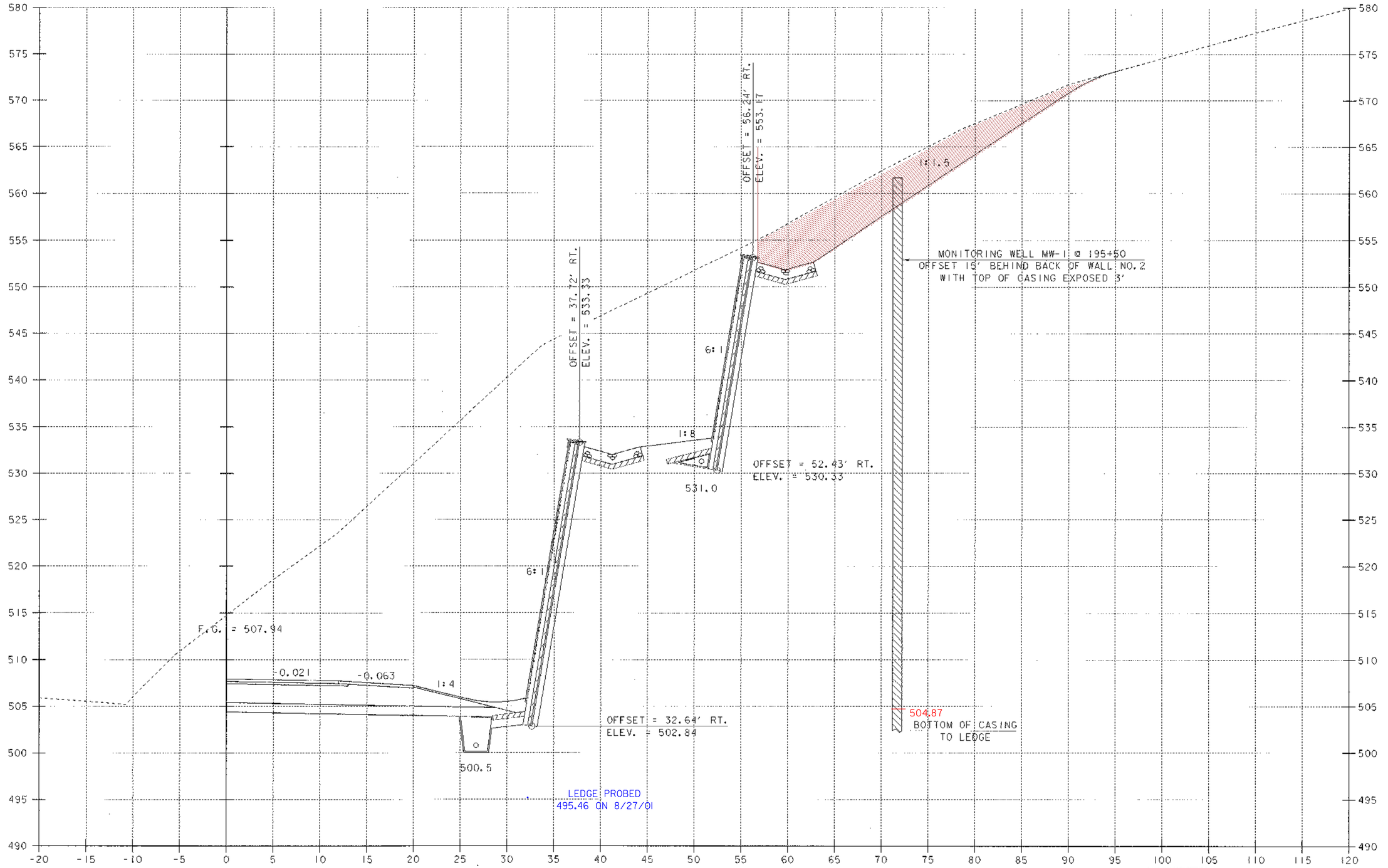


REV. 195+25

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

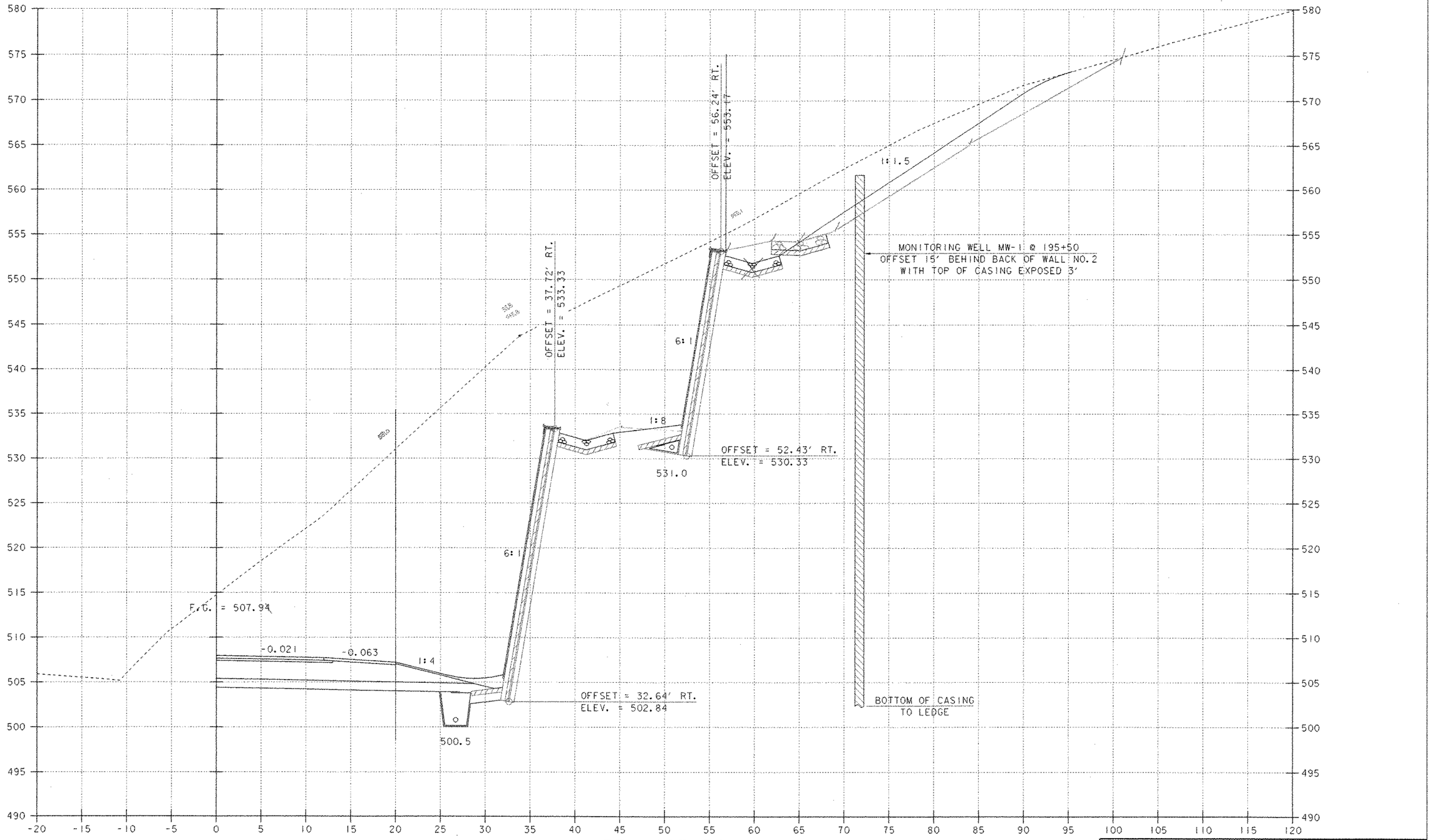
FILE NAME: \78el32\Structures\sel32+08.1 PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR323 SHEET 145H OF 243



REV. 195+50

SCALE 1" = 5'-0
5 0 5

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78sl32\Structures\sel32t09.1	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR324	SHEET 1451 OF 243



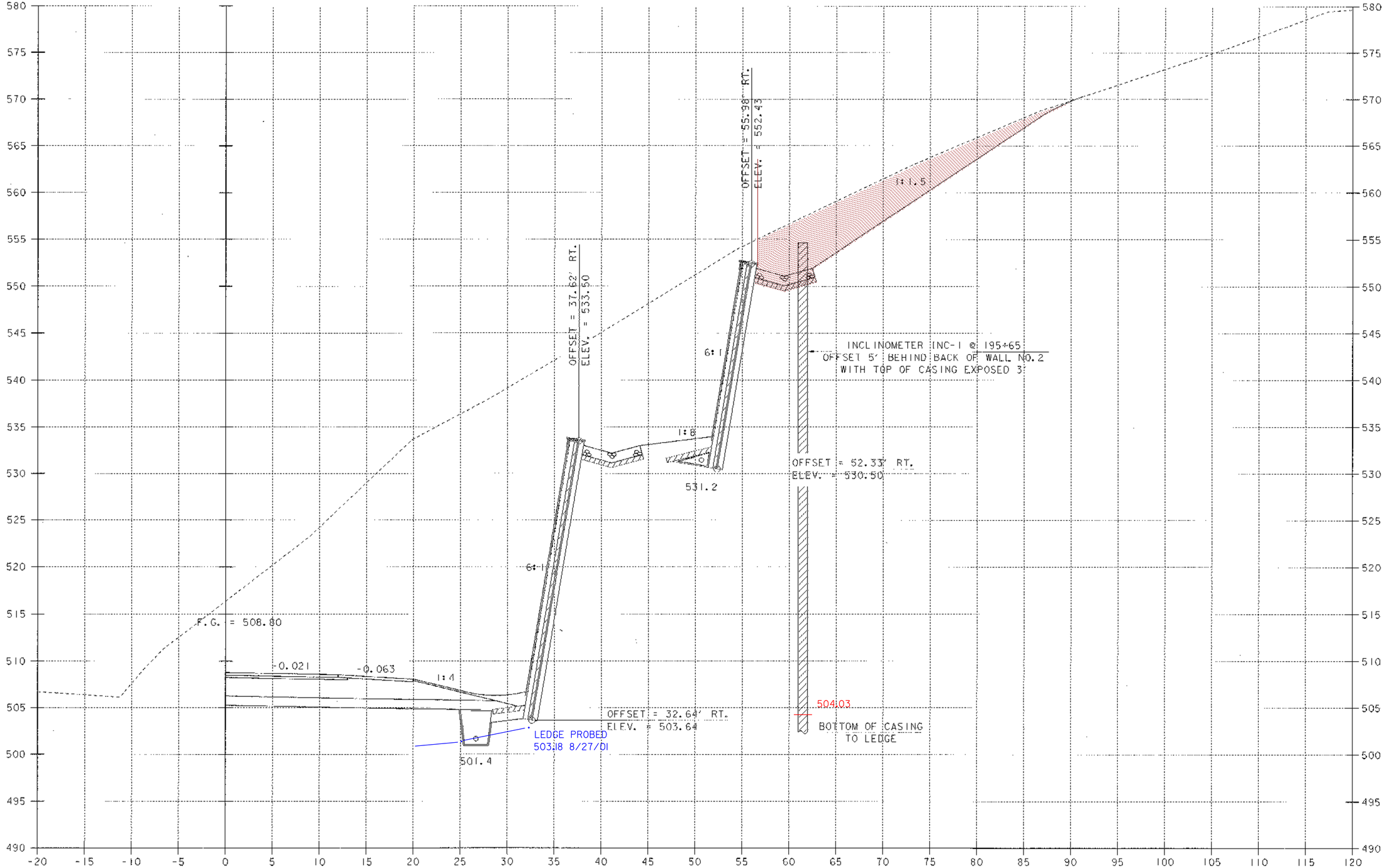
REV. 195+50

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32t09.i
PROJECT LEADER: R. R. WHITCOMB
DESIGNED BY: C. ALLEN
BRIDGE SHEET BR324

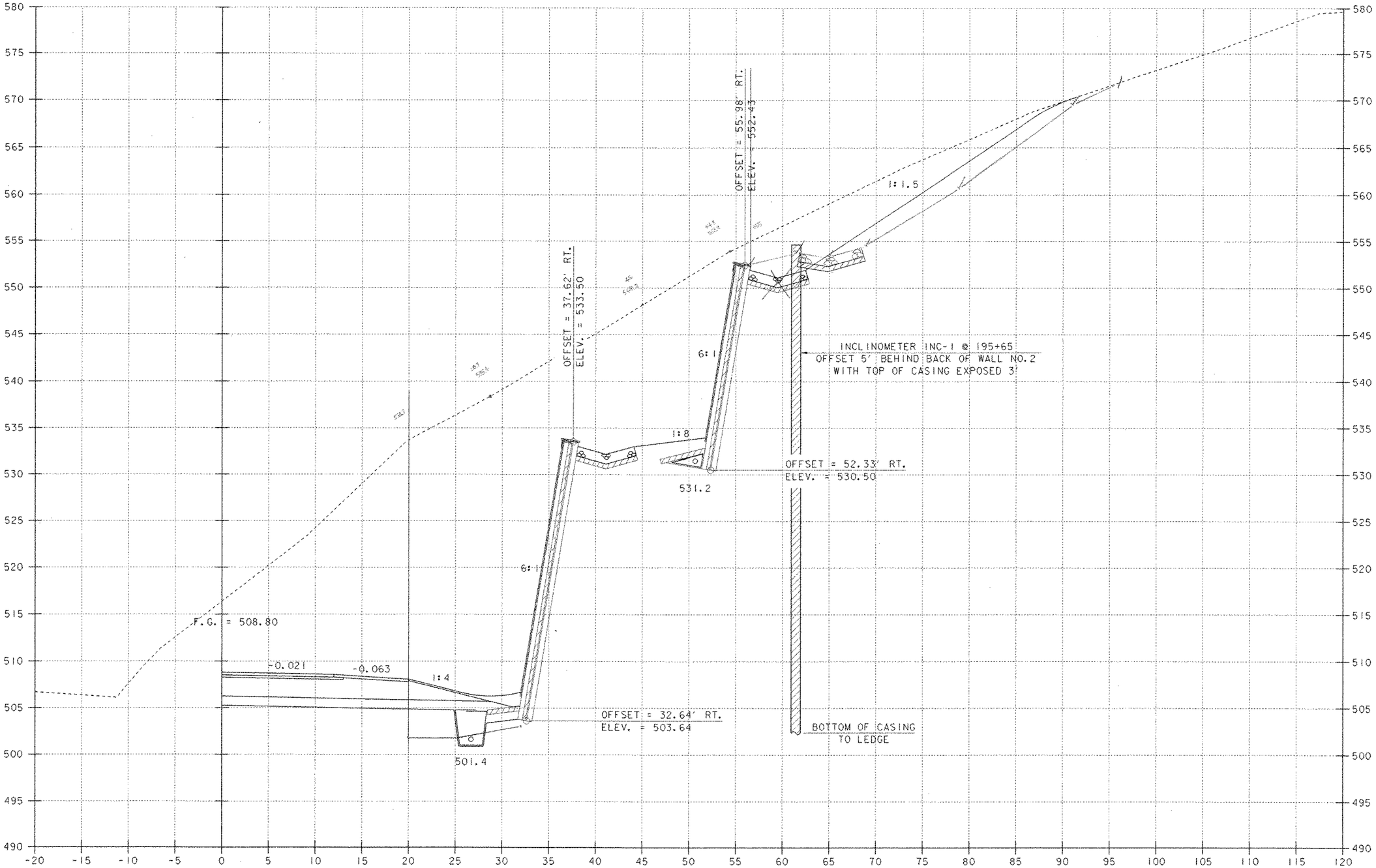
PLOT DATE: 12-MAY-2000
DRAWN BY: G. ROY
CHECKED BY: C. ALLEN
SHEET 1451 OF 243



REV. 195+75

SCALE 1" = 5'-0
5 0 5

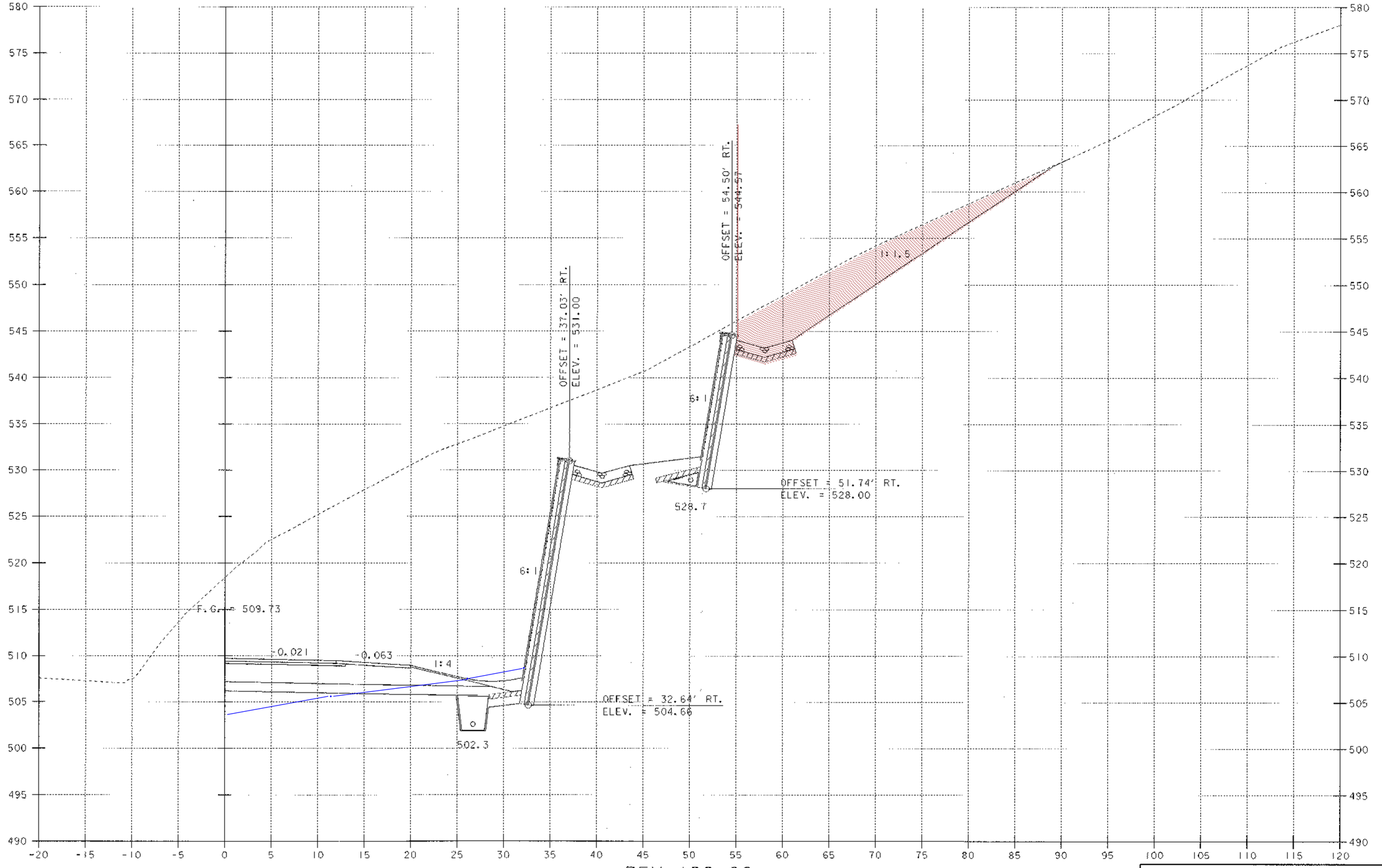
PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32+10.1	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR325	SHEET 145J OF 243



REV. 195+75

SCALE 1" = 5'-0
5 0 5

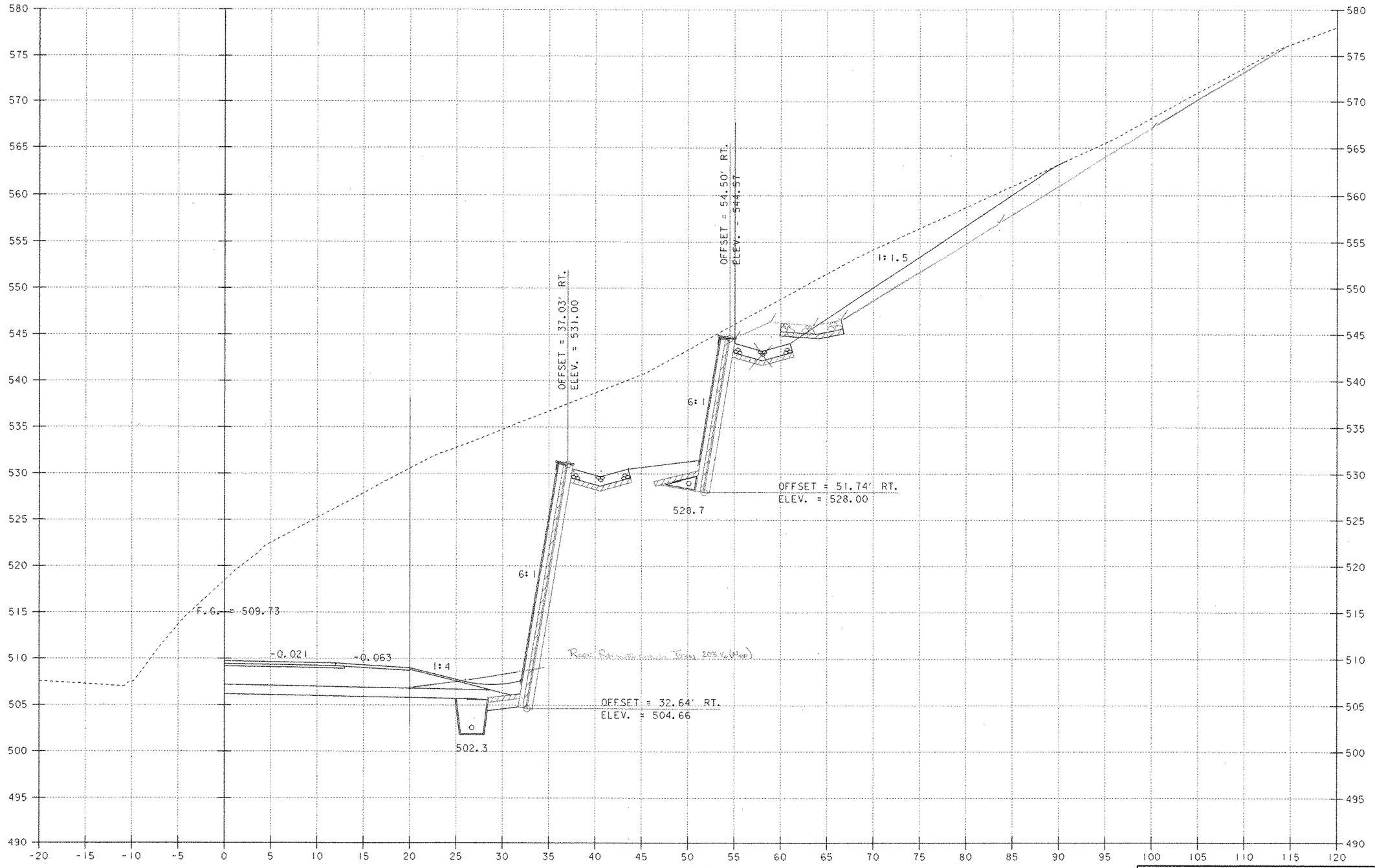
PROJECT NAME: MORETOWN	
PROJECT NUMBER: STP EGC RSEGC 0167 (9)	
FILE NAME: \78el32\Structures\sel32t10.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR325	SHEET 145J OF 243



REV. 196+00

SCALE 1" = 5'-0
5 0 5

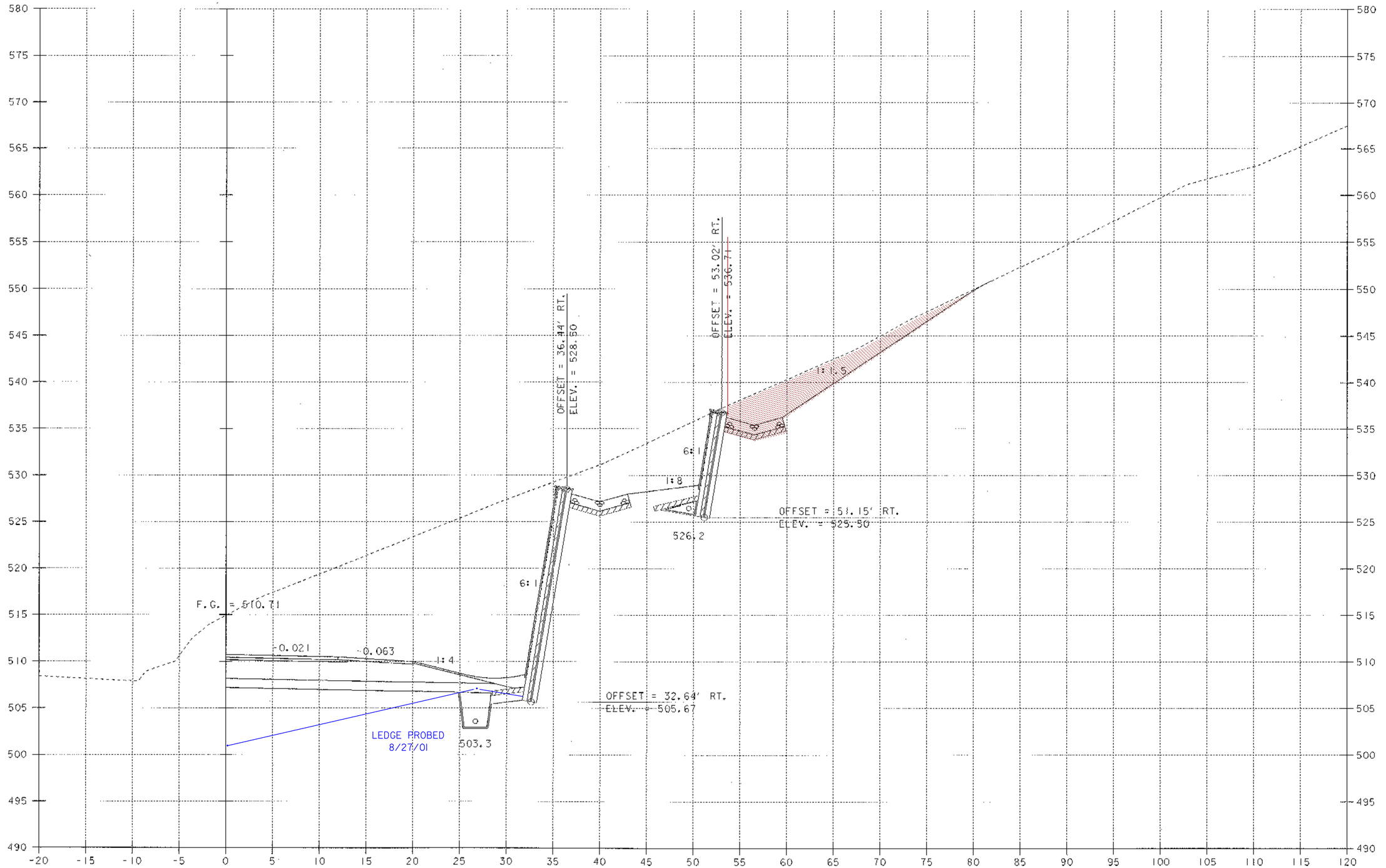
PROJECT NAME: MORETOWN	
PROJECT NUMBER: STP EGC RSEGC 0167 (9)	
FILE NAME: \78el32\Structures\sel32fil1	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR326	SHEET 145K OF 243



REV. 196+00

SCALE 1" = 5'-0

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32+11.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR326	SHEET 145K OF 243



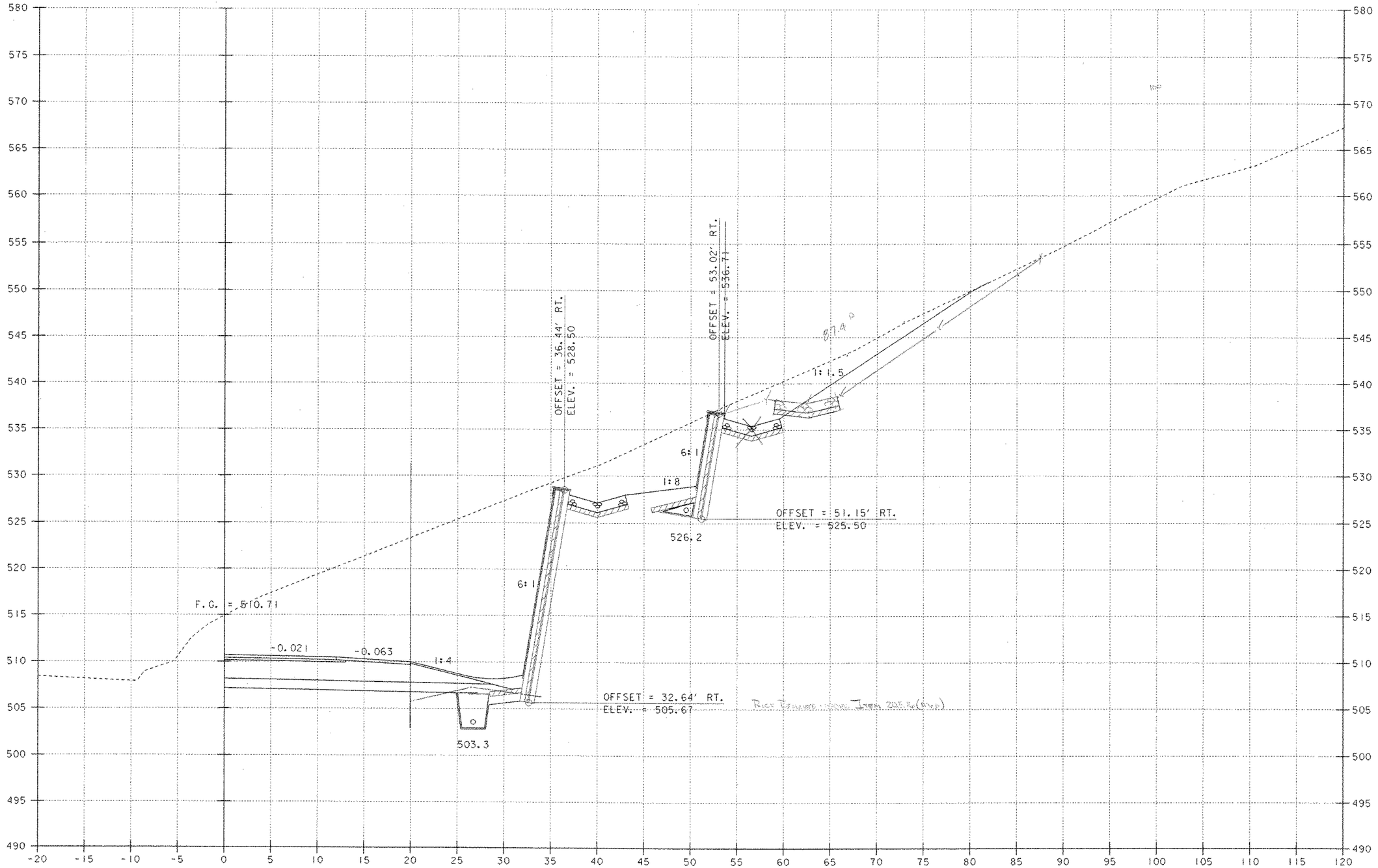
REV. 196+25

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32f12.f
PROJECT LEADER: R. R. WHITCOMB
DESIGNED BY: C. ALLEN
BRIDGE SHEET BR327

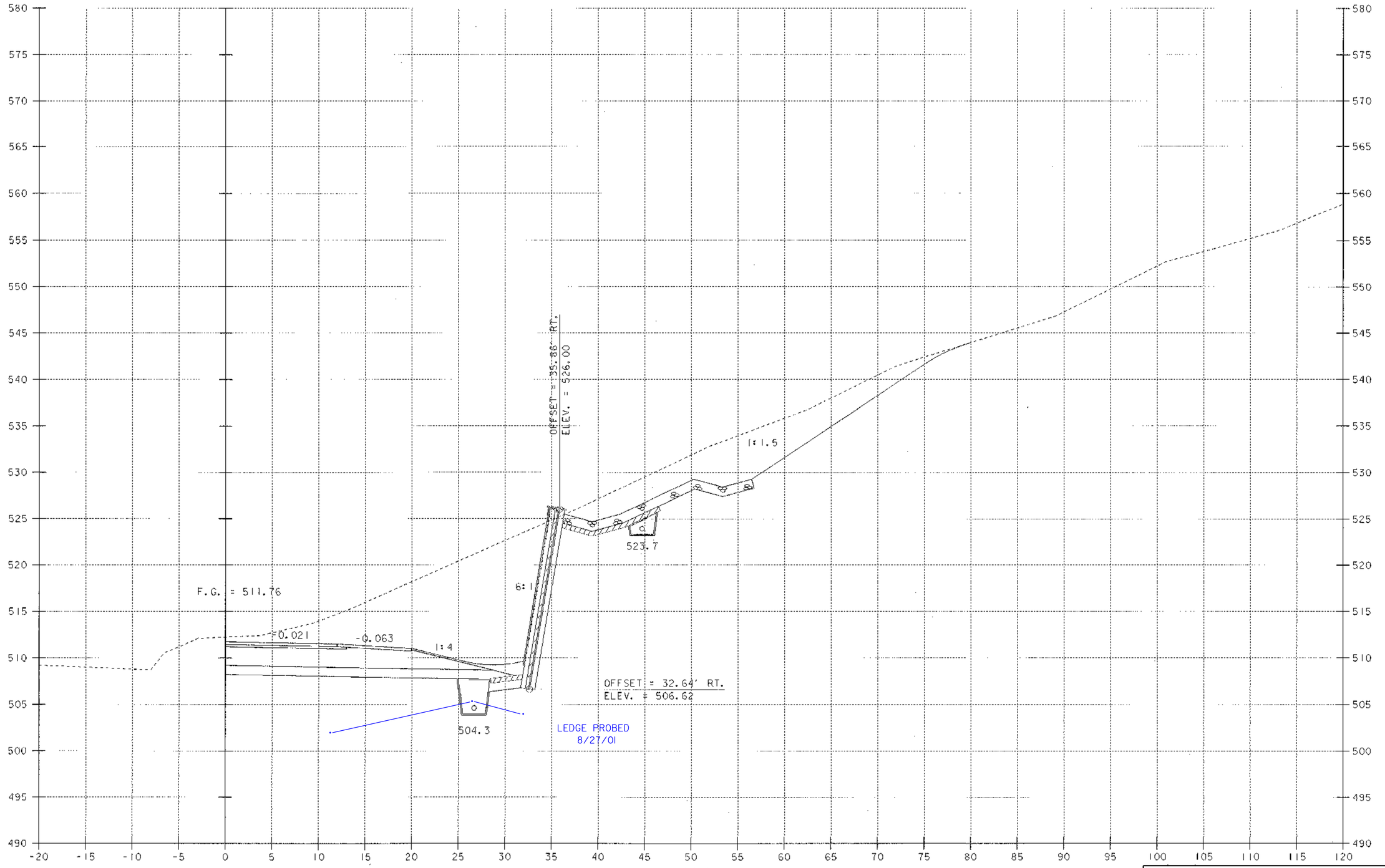
PLOT DATE: 12-MAY-2000
DRAWN BY: G. ROY
CHECKED BY: C. ALLEN
SHEET 145L OF 243



REV. 196+25

SCALE 1" = 5'-0
5 0 5

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32t12.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR327	SHEET 145L OF 243

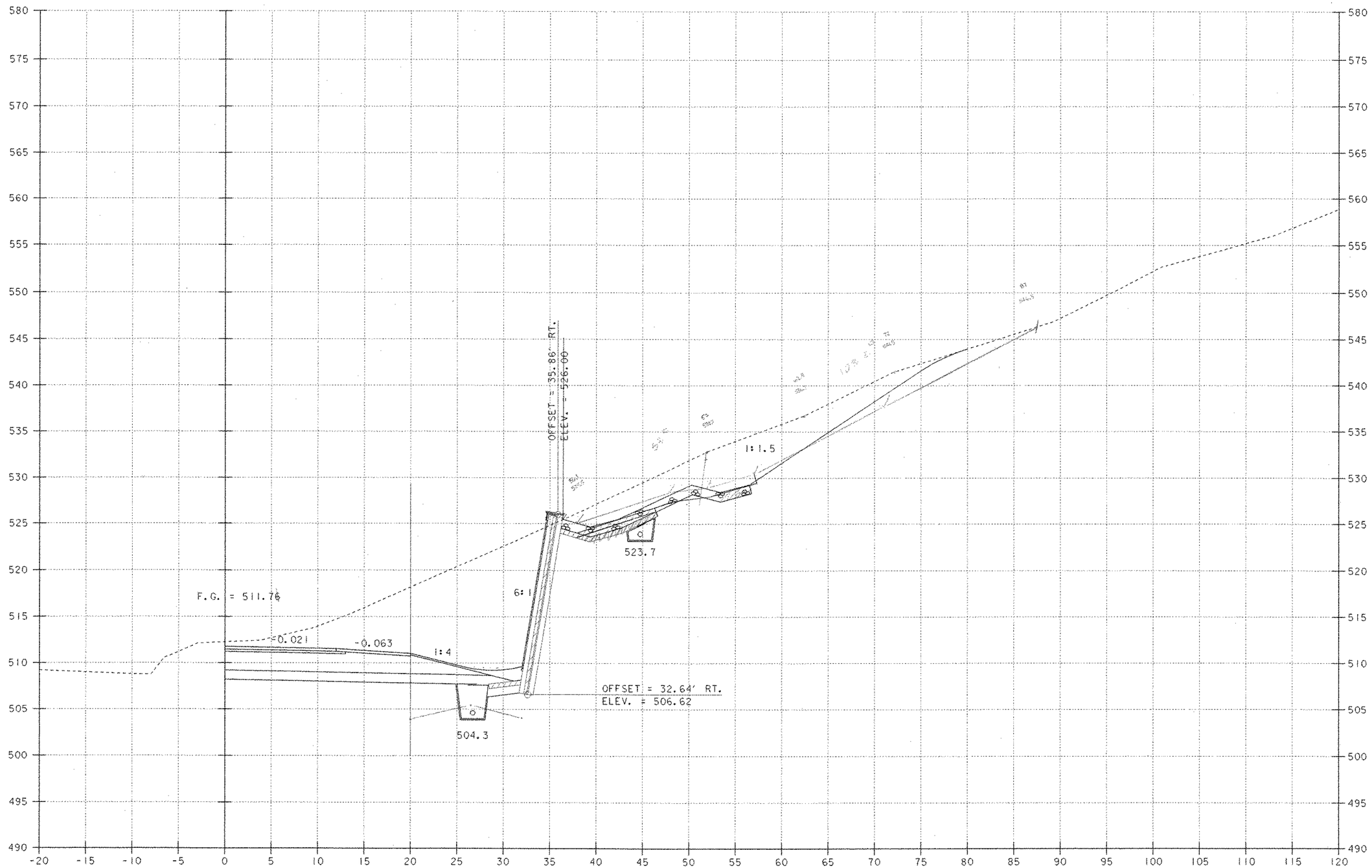


REV. 196+50

REV. 196+40 RT.
END RETAINING WALL NO. 2

SCALE 1" = 5'-0
5 0 5

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32fl3.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR328	SHEET 145M OF 243

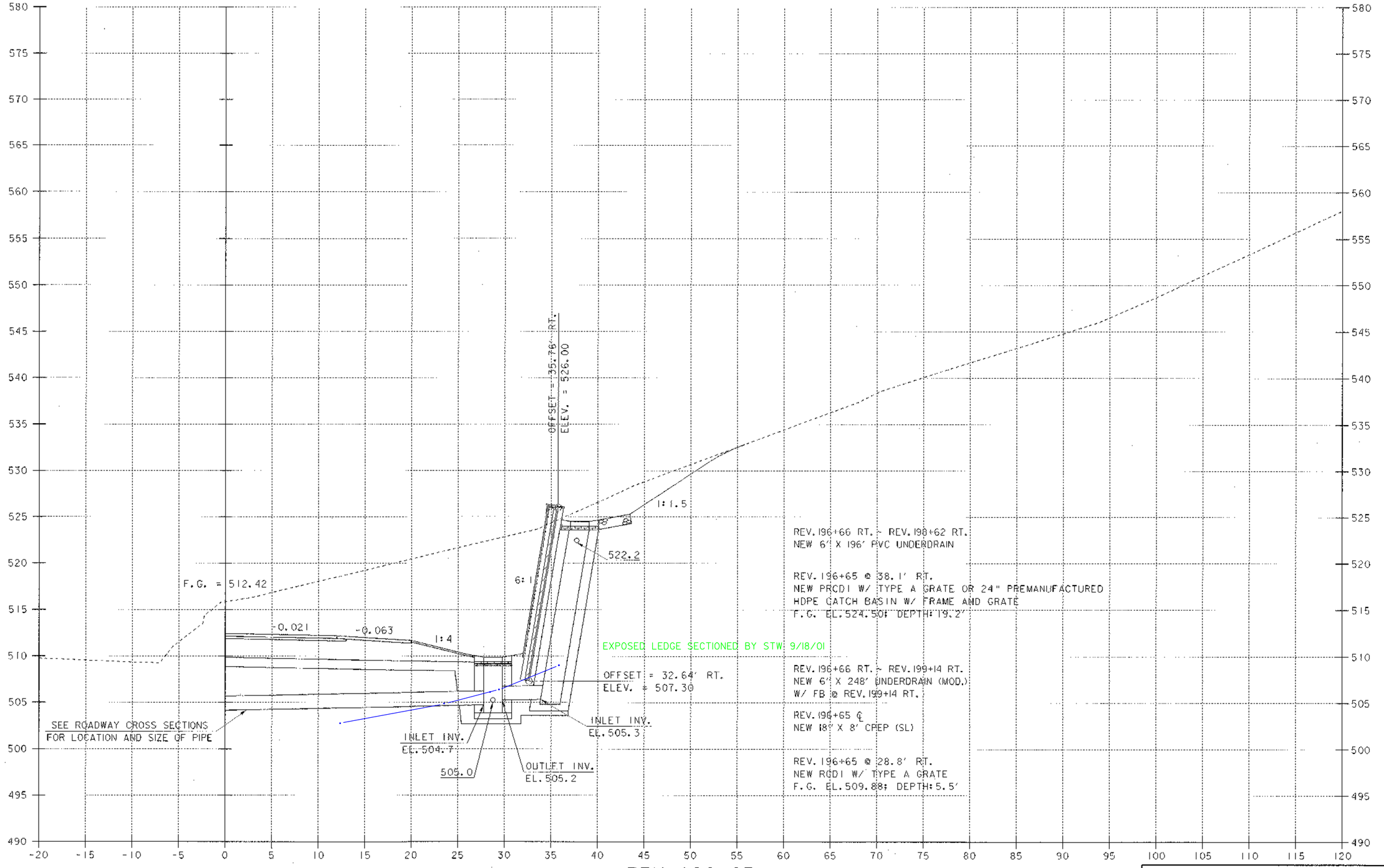


REV. 196+50

REV. 196+40 RT.
END RETAINING WALL NO. 2

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN	
PROJECT NUMBER: STP EGC RSEGC 0167 (9)	
FILE NAME: \78el32\Structures\sel32t13.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR328	SHEET 145M OF 243

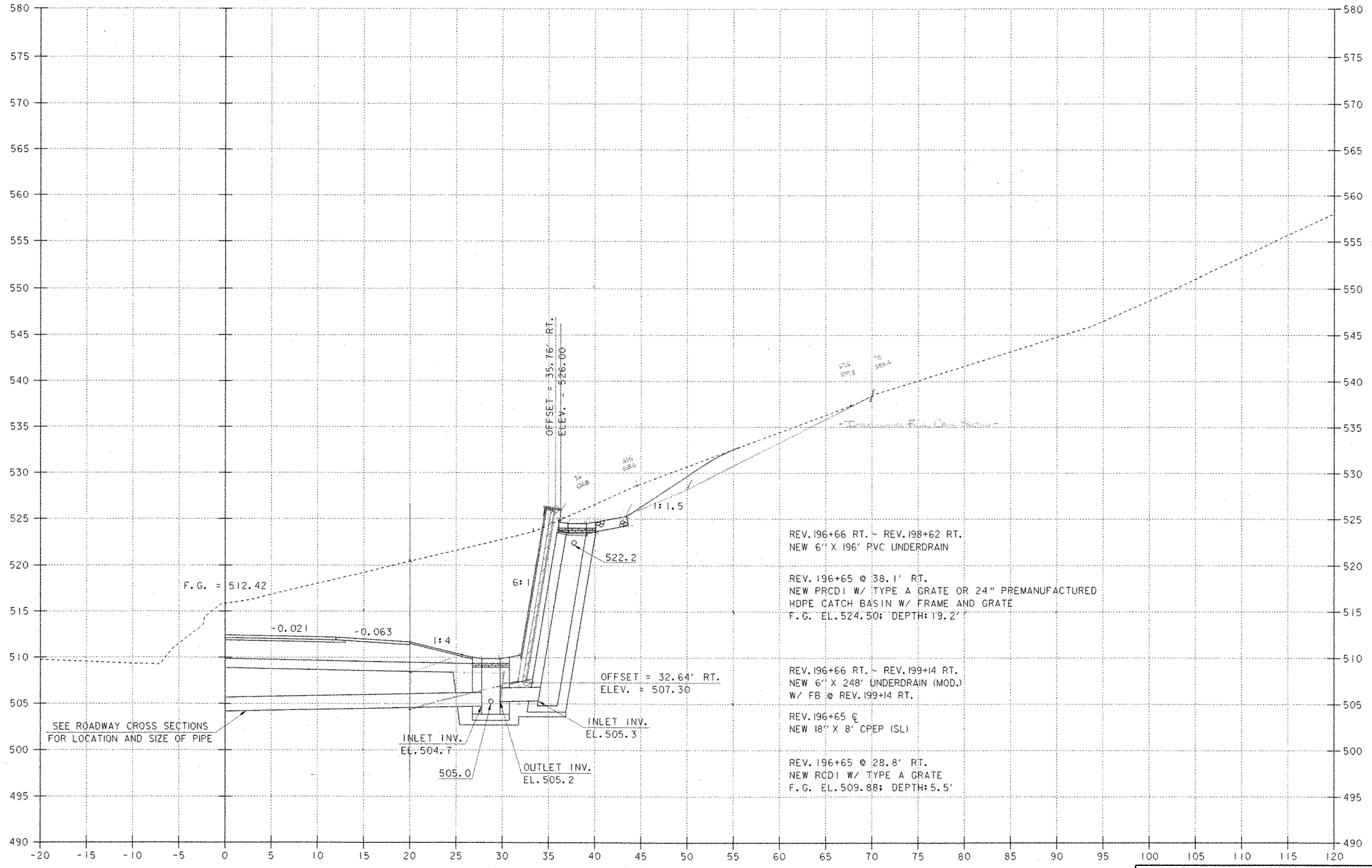


REV. 196+65

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78sl32\Structures\sel32t14.l
PROJECT LEADER: R. R. WHITCOMB
DESIGNED BY: C. ALLEN
BRIDGE SHEET BR329
PLOT DATE: 12-MAY-2000
DRAWN BY: G. ROY
CHECKED BY: C. ALLEN
SHEET 145N OF 243



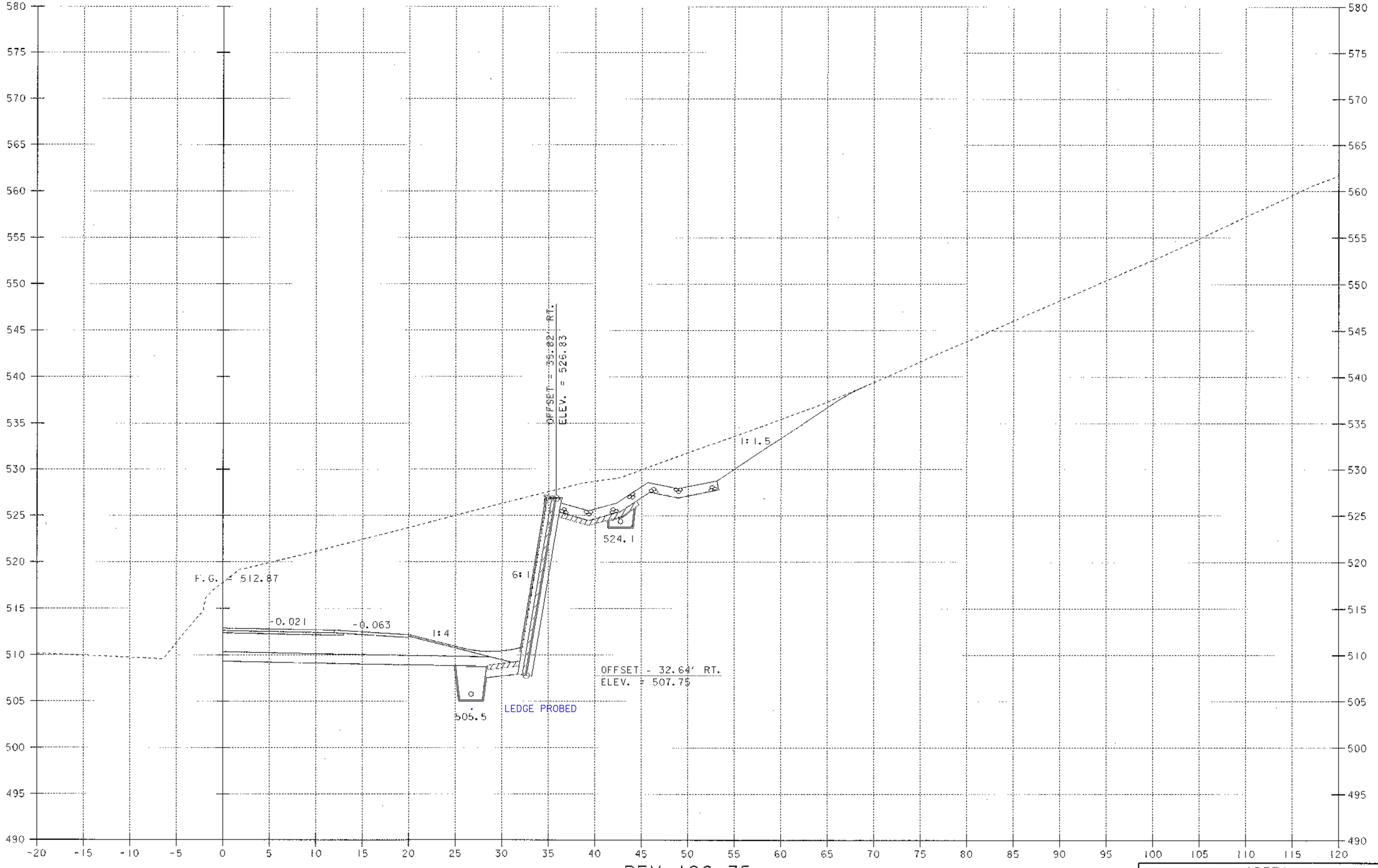
REV. 196+65

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32f14.i
PROJECT LEADER: R. R. WHITCOMB
DESIGNED BY: C. ALLEN
BRIDGE SHEET BR329

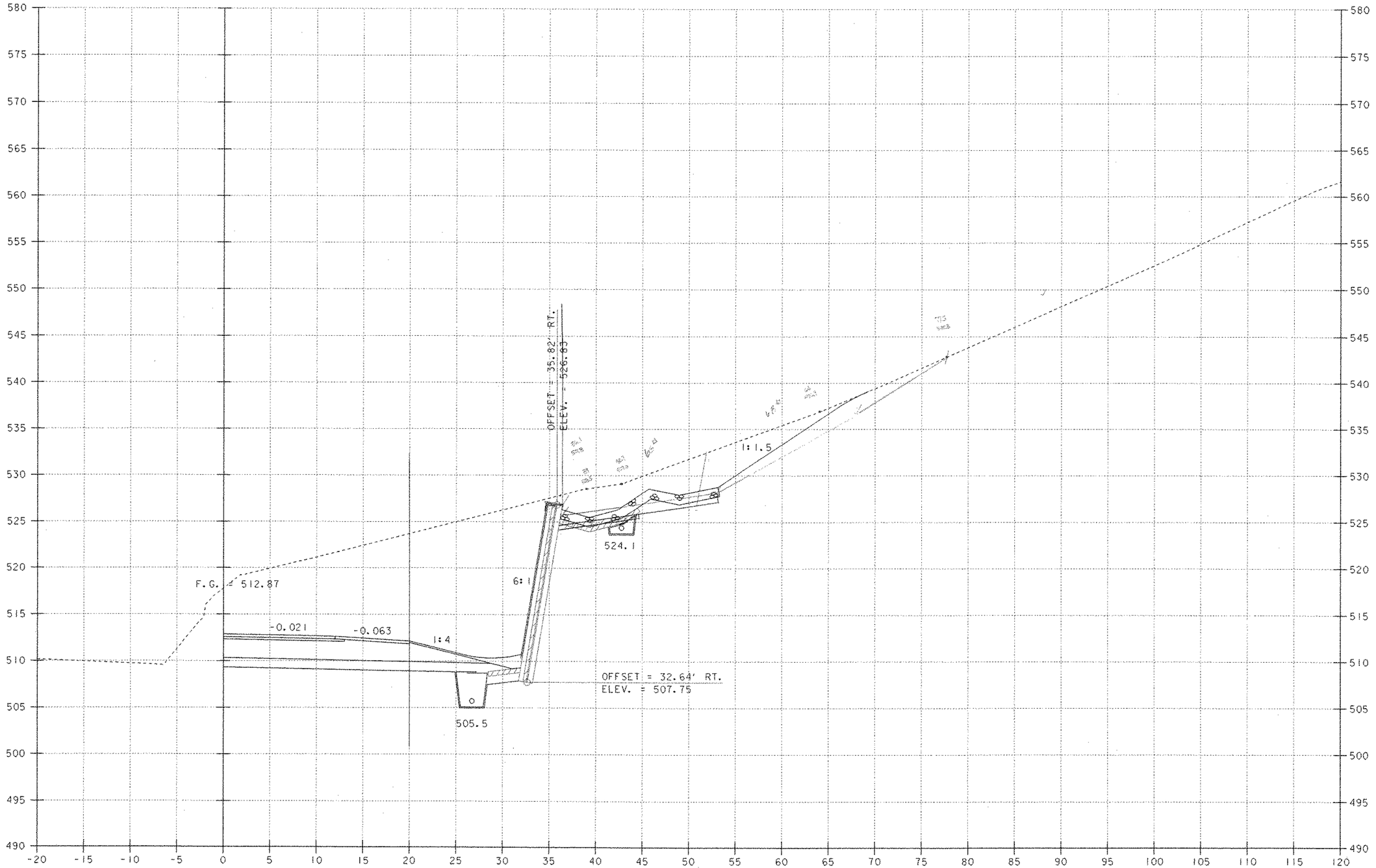
PLOT DATE: 12-MAY-2000
DRAWN BY: C. ROY
CHECKED BY: C. ALLEN
SHEET 145N OF 243



REV. 196+75

SCALE 1" = 5'-0
5 0 5

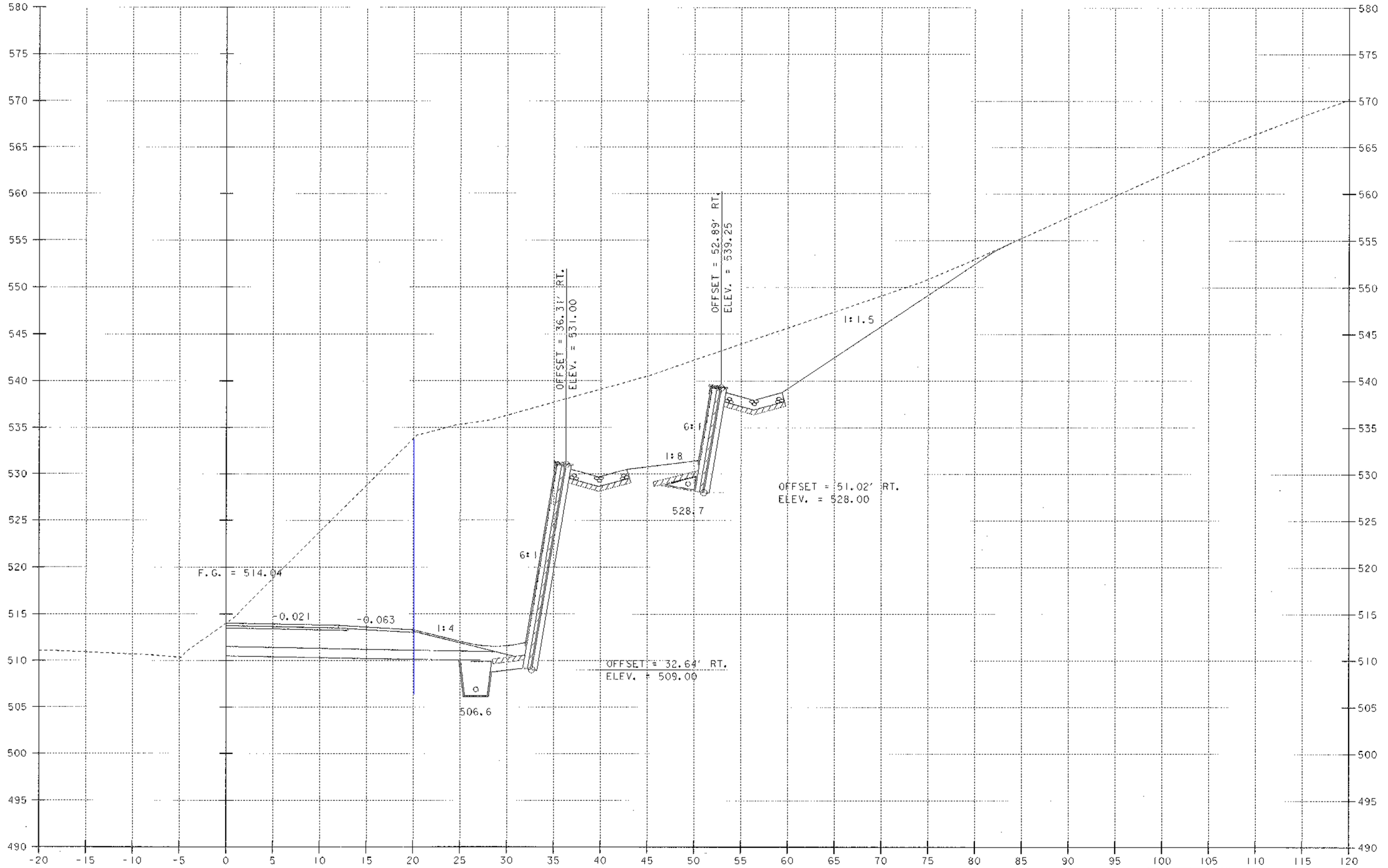
PROJECT NAME: MORETOWN	
PROJECT NUMBER: STP EGC RSEGC 0167 (9)	
FILE NAME: \78el32\Structures\sel32f15.f	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR330	SHEET 1450 OF 243



REV. 196+75

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN	
PROJECT NUMBER: STP EGC RSEGC 0167 (9)	
FILE NAME: \78el32\Structures\sel32+15.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR330	SHEET 1450 OF 243

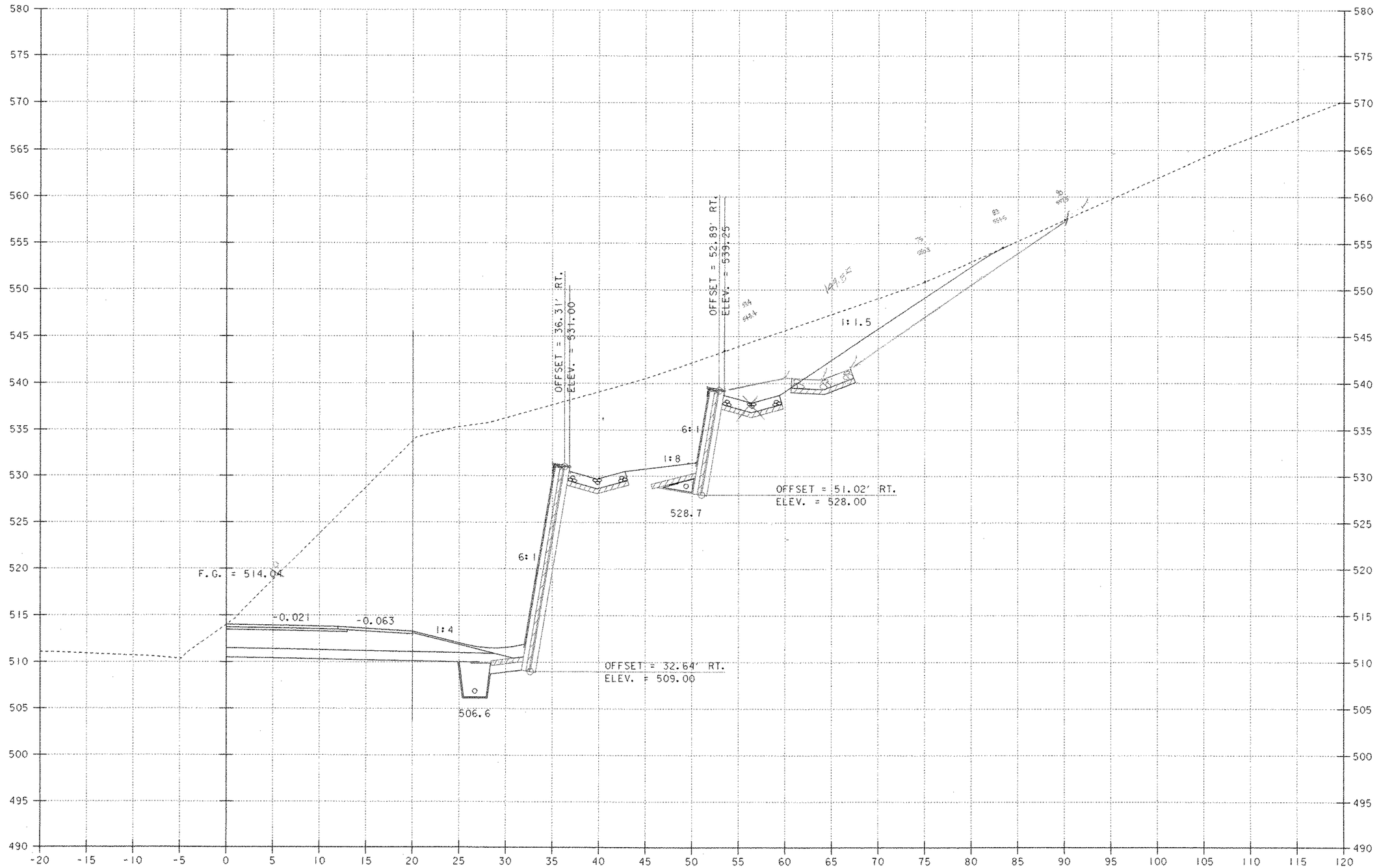


REV. 197+00

REV. 196+90 RT.
BEGIN RETAINING WALL NO. 1

SCALE 1" = 5'-0
5 0 5

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32f16.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR331	SHEET 145P OF 243



REV. 197+00

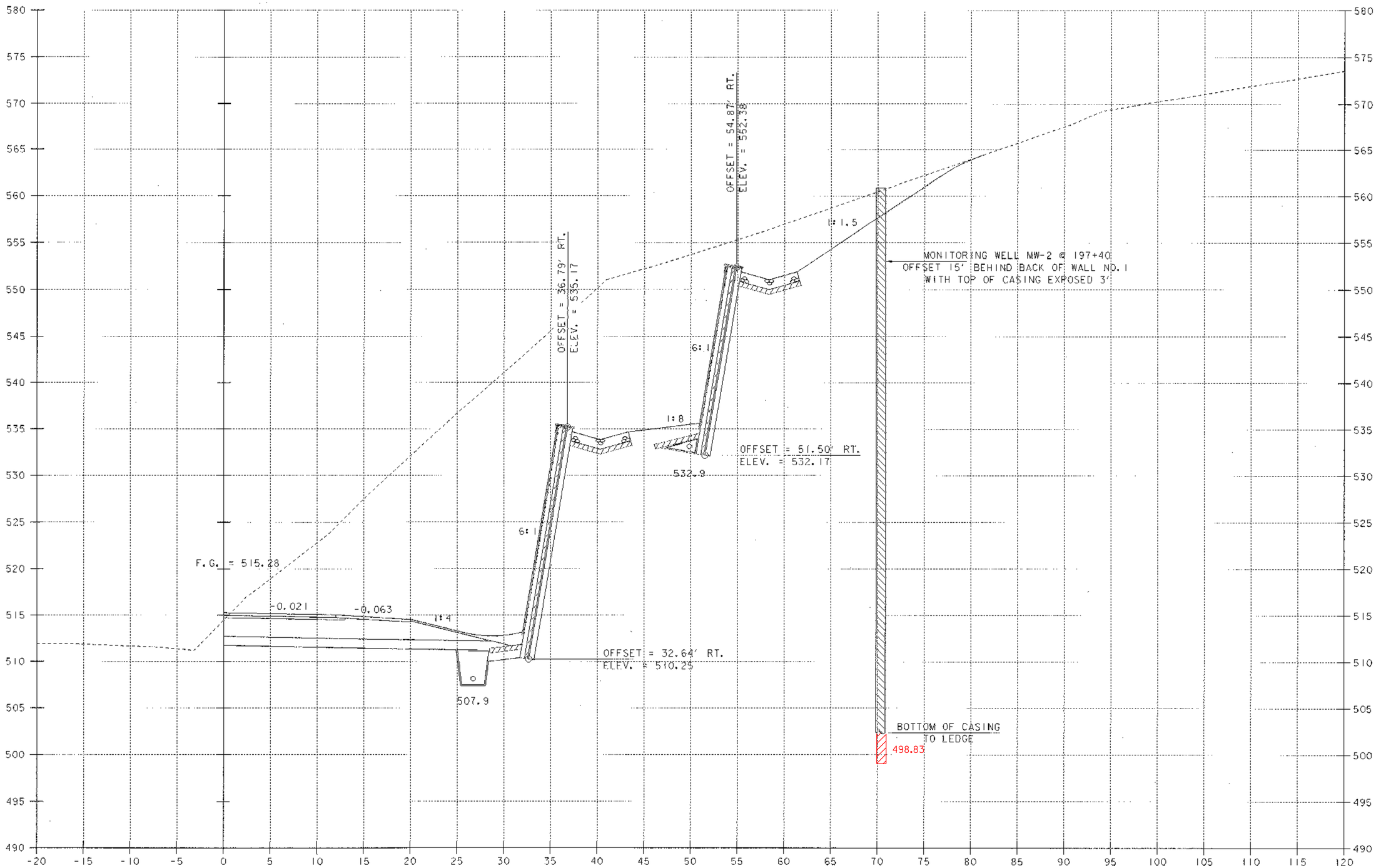
REV. 196+90 RT.
BEGIN RETAINING WALL NO. 1

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32tl6.i
PROJECT LEADER: R. R. WHITCOMB
DESIGNED BY: C. ALLEN
BRIDGE SHEET BR331

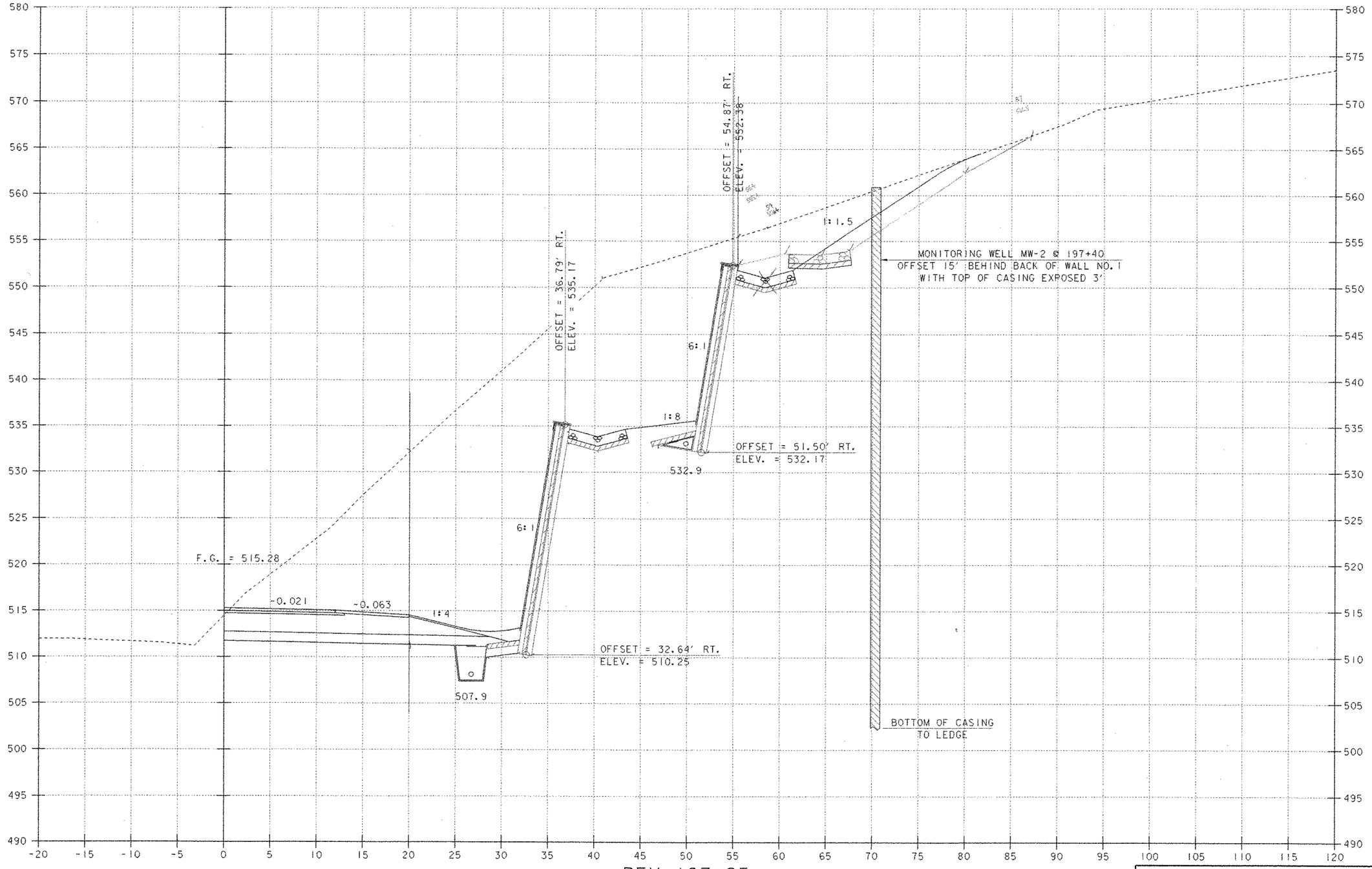
PLOT DATE: 12-MAY-2000
DRAWN BY: G. ROY
CHECKED BY: C. ALLEN
SHEET 145P OF 243



REV. 197+25

SCALE 1" = 5'-0
5 0 5

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32f17.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: C. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR332	SHEET 1450 OF 243



REV. 197+25

SCALE 1" = 5'-0

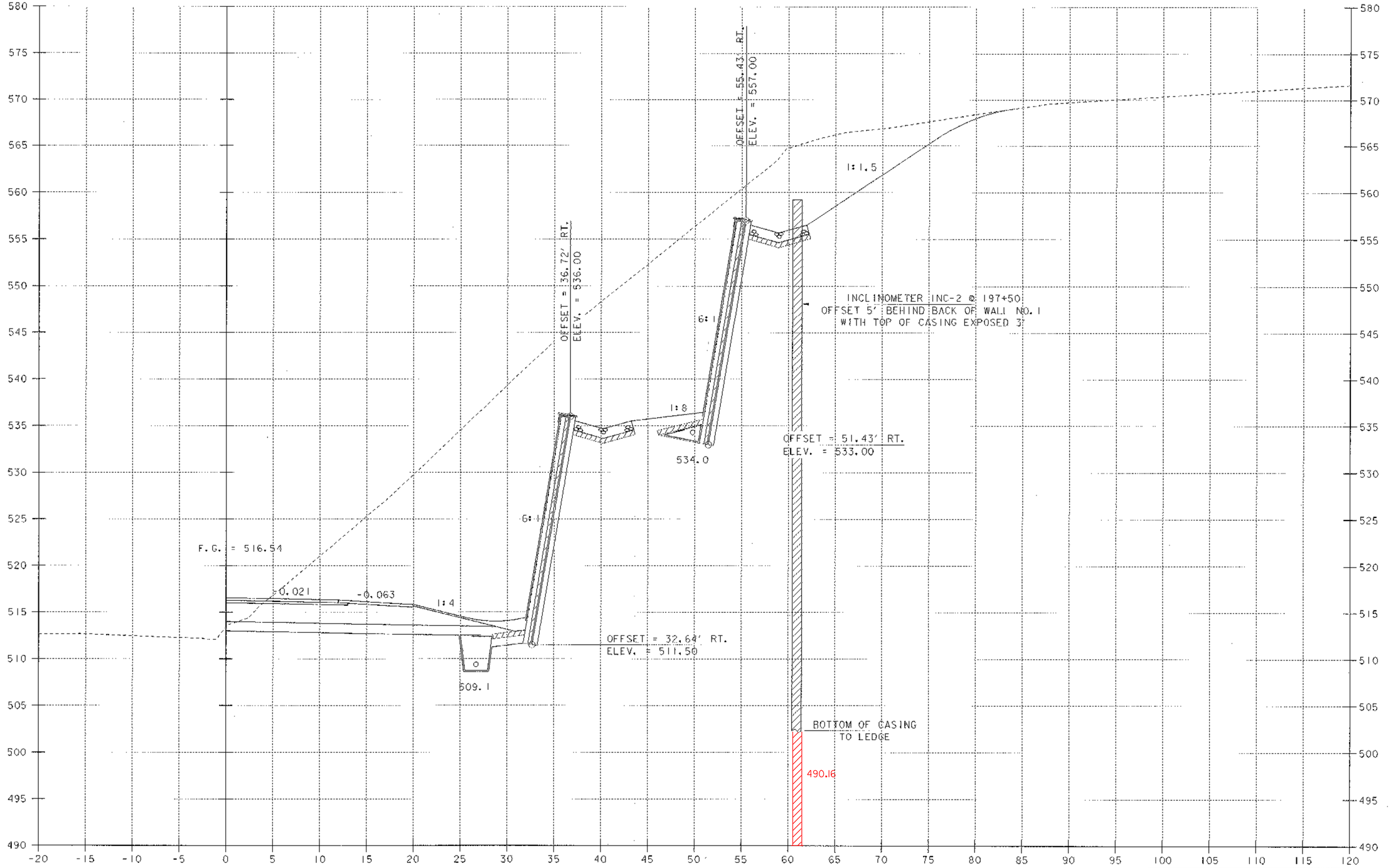
5 0 5

PROJECT NAME: MORETOWN

PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32117.i
PROJECT LEADER: R. R. WHITCOMB
DESIGNED BY: C. ALLEN
BRIDGE SHEET BR332

PLOT DATE: 12-MAY-2000
DRAWN BY: G. ROY
CHECKED BY: C. ALLEN
SHEET 1450 OF 243



REV. 197+50

SCALE 1" = 5'-0

5 0 5

PROJECT NAME: MORETOWN

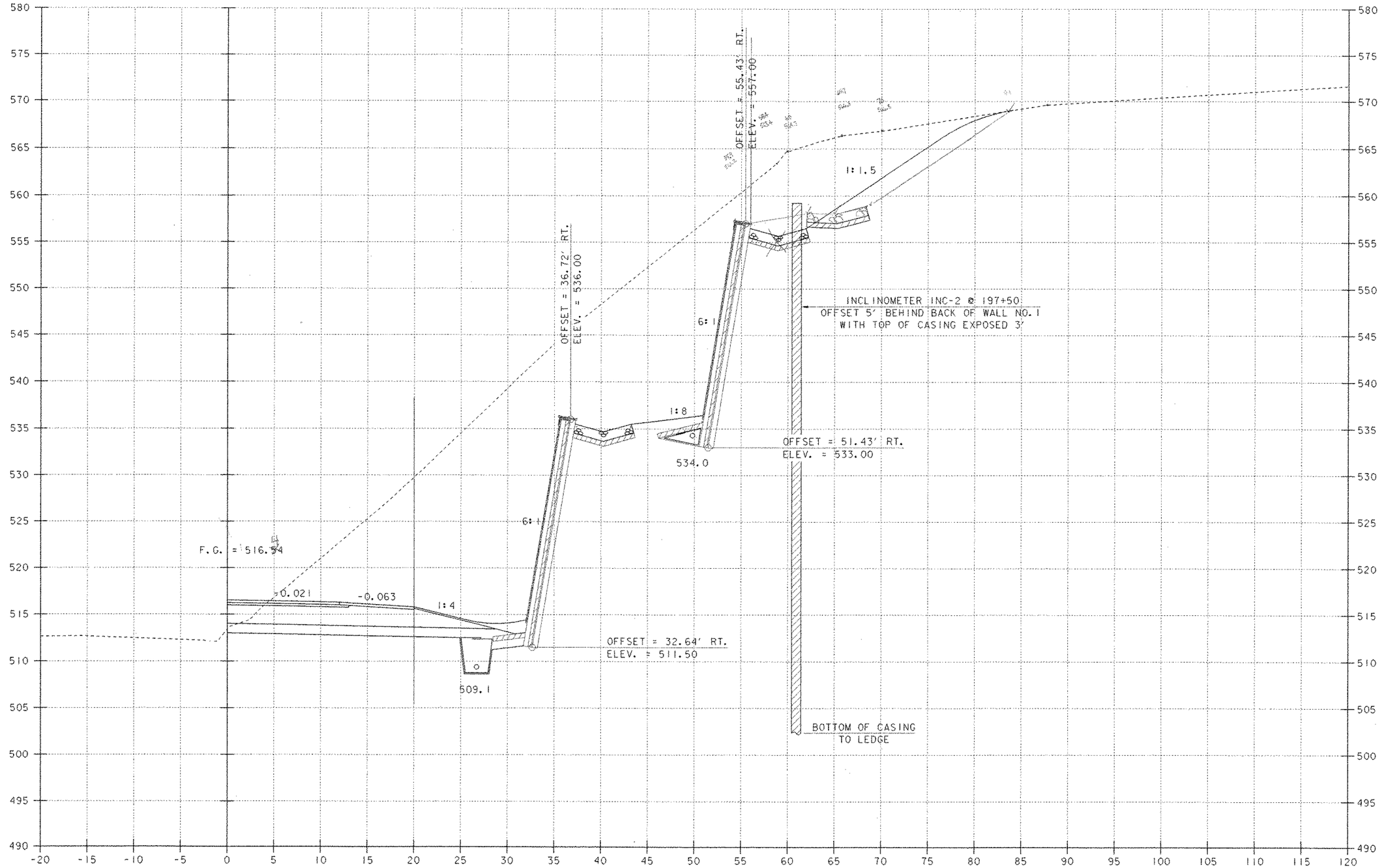
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\set32118.dgn PLOT DATE: 12-MAY-2000

PROJECT LEADER: R. R. WHITCOMB DRAWN BY: C. ROY

DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN

BRIDGE SHEET BR333 SHEET 145R OF 243



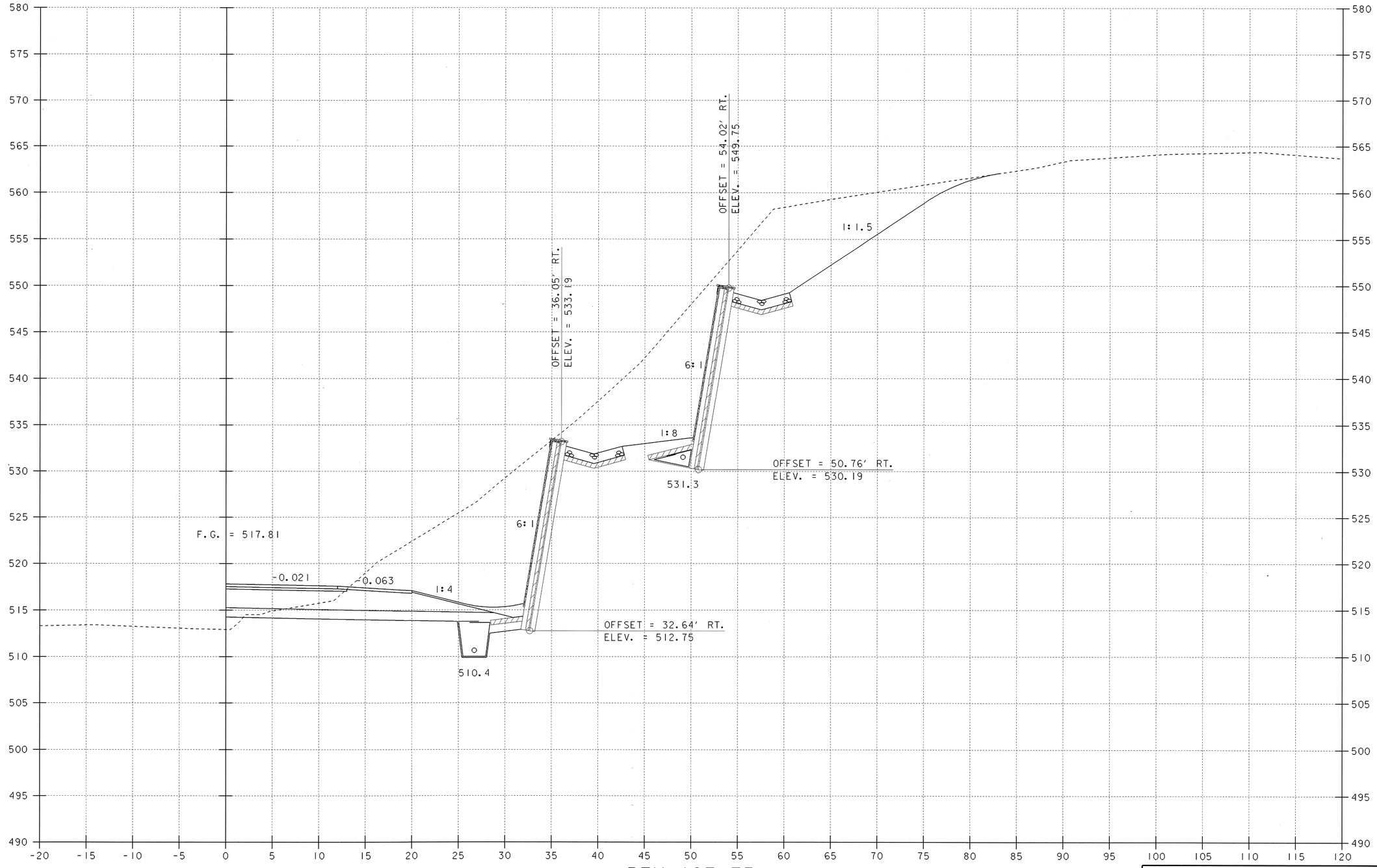
REV. 197+50

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32t18.i
PROJECT LEADER: R. R. WHITCOMB
DESIGNED BY: C. ALLEN
BRIDGE SHEET BR333

PLOT DATE: 12-MAY-2000
DRAWN BY: G. ROY
CHECKED BY: C. ALLEN
SHEET 145R OF 243

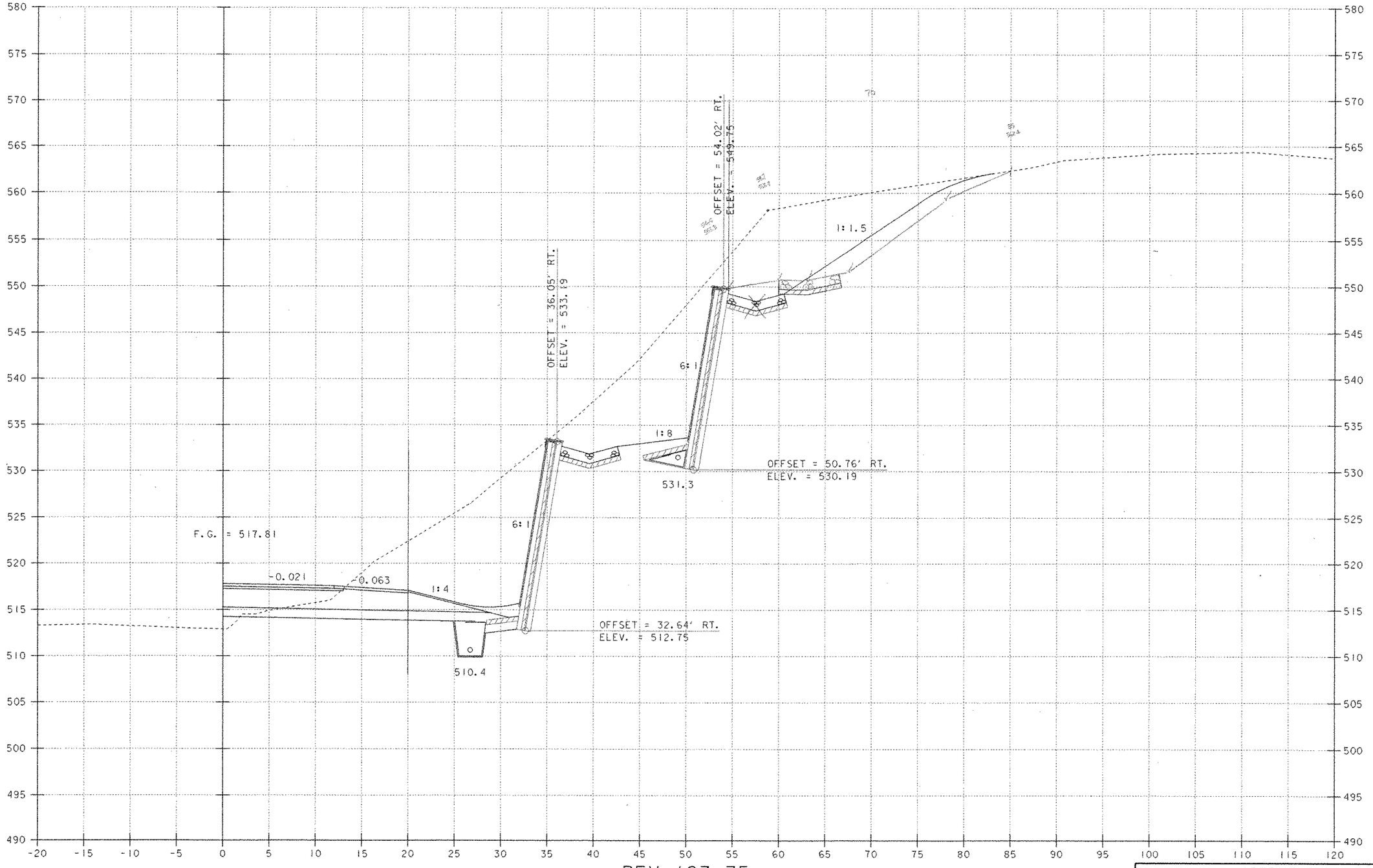


REV. 197+75

SCALE 1" = 5'-0
5 0 5

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)

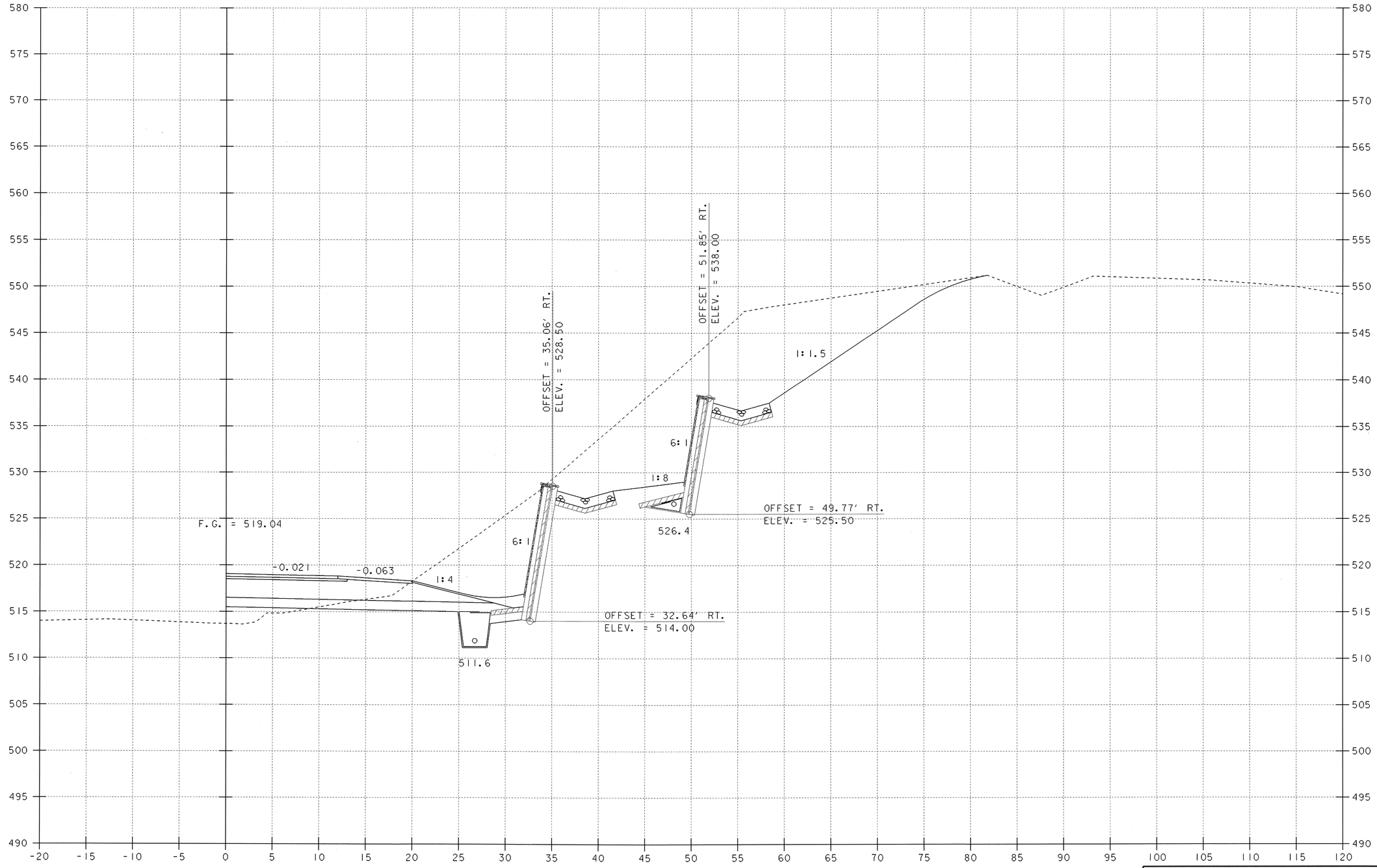
FILE NAME: \78el32\Structures\sel32t19.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR334	SHEET 145S OF 243



REV. 197+75

SCALE 1" = 5'-0

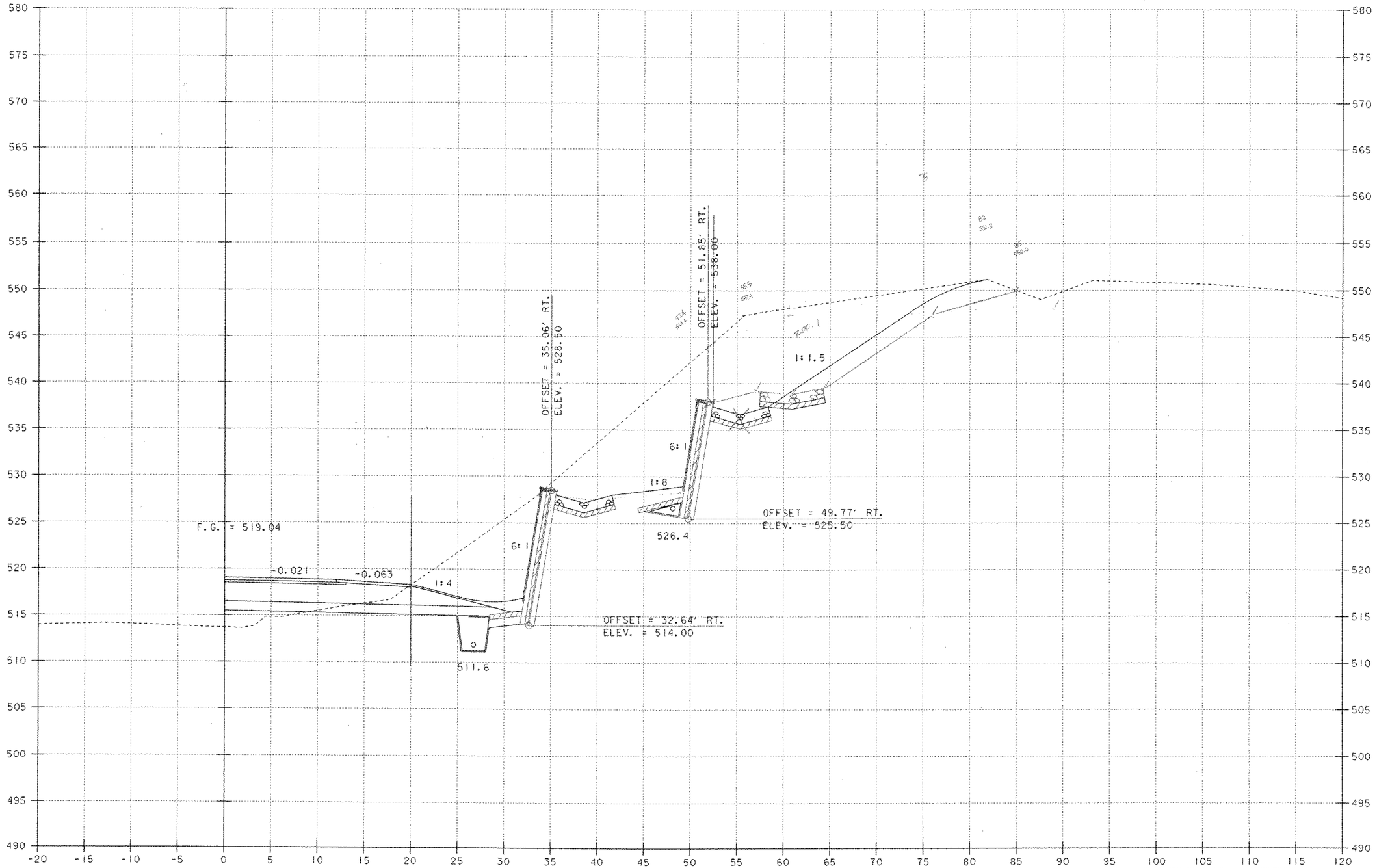
PROJECT NAME: MORETOWN	
PROJECT NUMBER: STP EGC RSEGC 0167 (9)	
FILE NAME: \78el32\Structures\sel32t19.1	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR334	SHEET 145S OF 243



REV. 198+00

SCALE 1" = 5'-0
5 0 5

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78el32\Structures\sel32t20.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR335	SHEET 145T OF 243

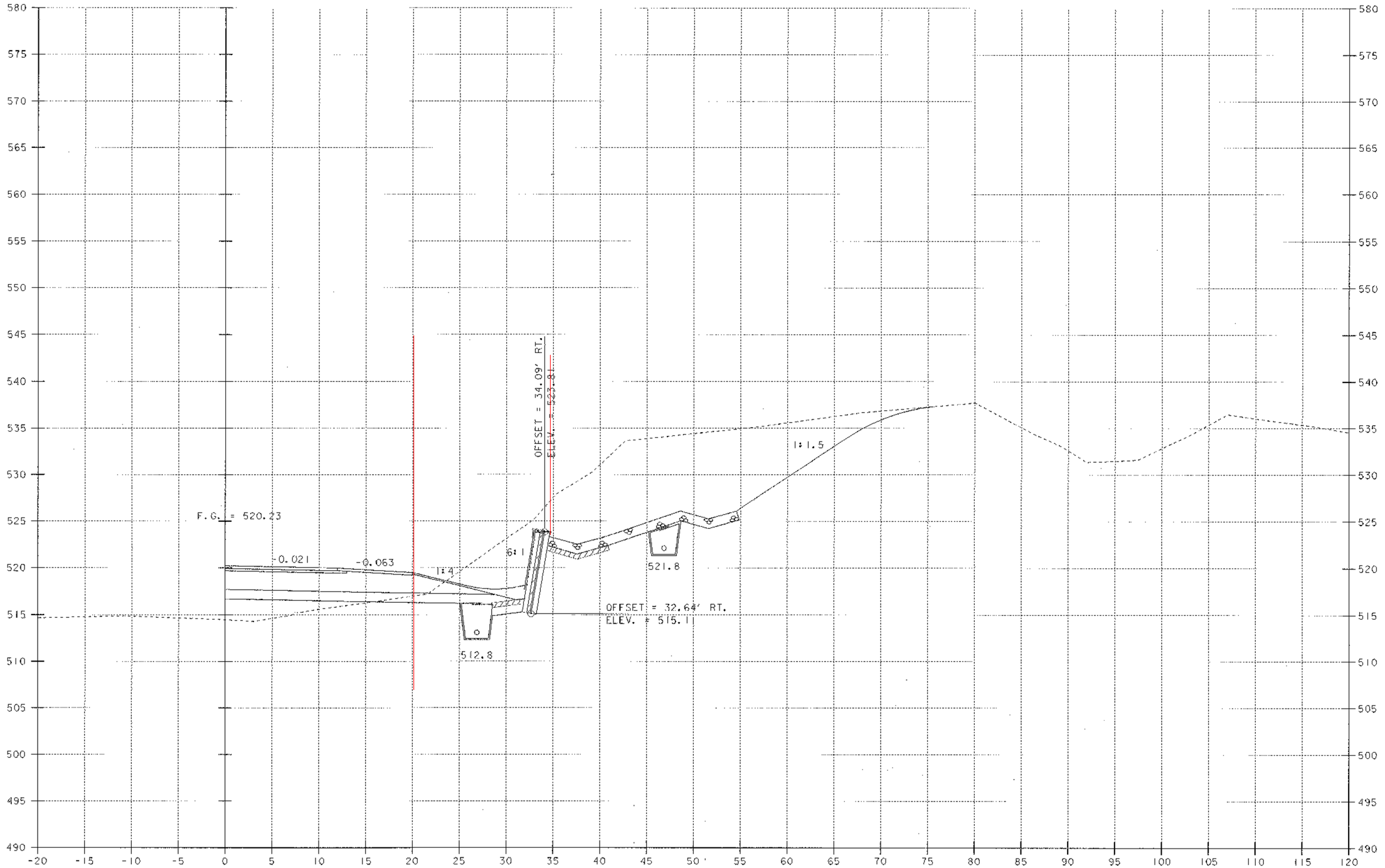


REV. 198+00

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \T8el32\Structures\sel32r20.1 PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR335 SHEET 145T OF 243



REV. 198+25

REV. 198+20 RT.
END RETAINING WALL NO. 1

SCALE 1" = 5'-0
5 0 5

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)
FILE NAME: \78e132\Structures\se132f2L1	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR336	SHEET 145U OF 243

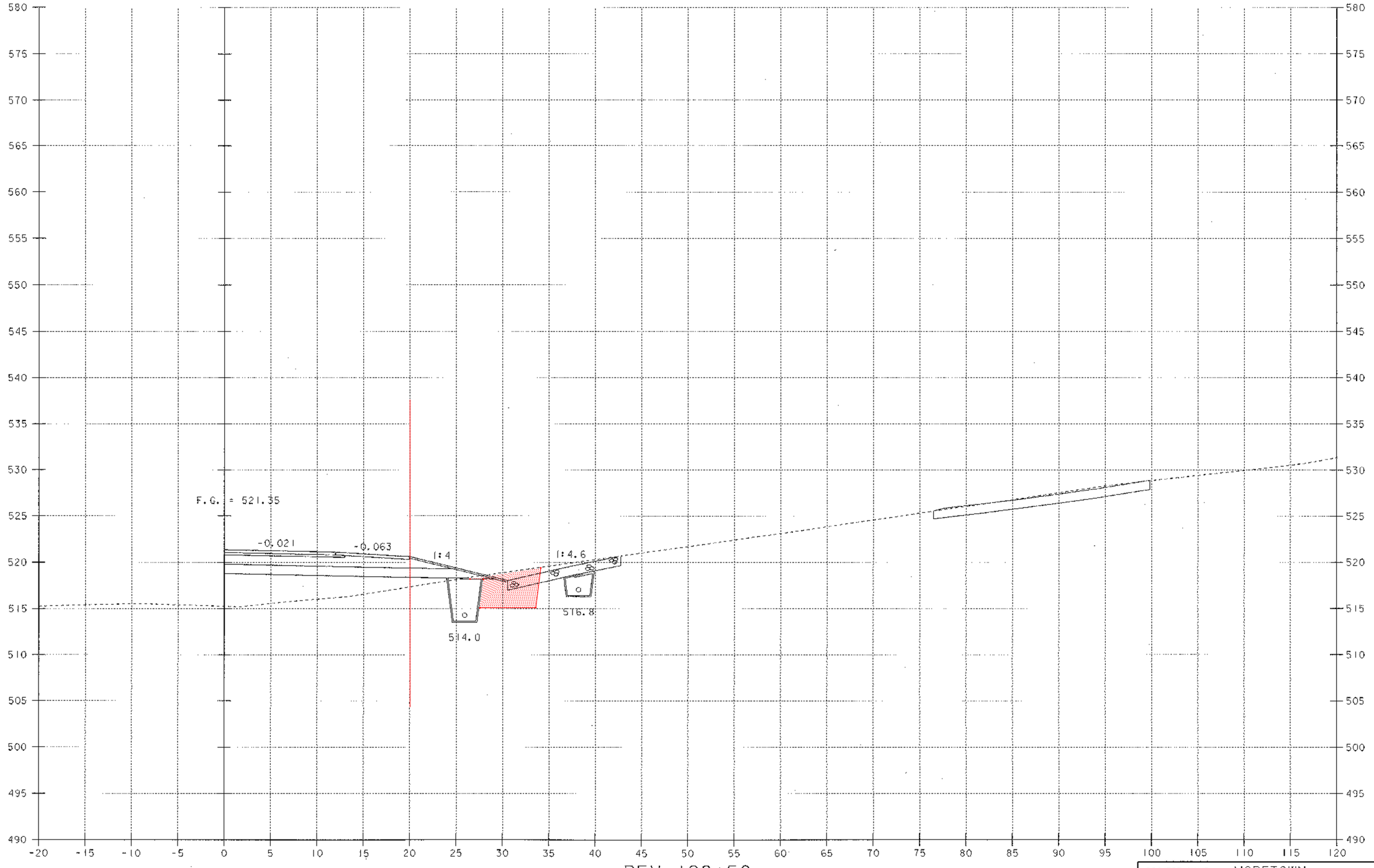
REV. 198+25

REV. 198+20 RT.
END RETAINING WALL NO. 1

SCALE 1" = 5'-0
5 0 5

PROJECT NAME:	MORETOWN
PROJECT NUMBER:	STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32t2l.i	PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB	DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN	CHECKED BY: C. ALLEN
BRIDGE SHEET BR336	SHEET 145U OF 243



REV. 198+64 RT.
END STRUCTURE EXCAVATION
GEOTEXTILE UNDER STONE FILL
STONE FILL, TYPE I

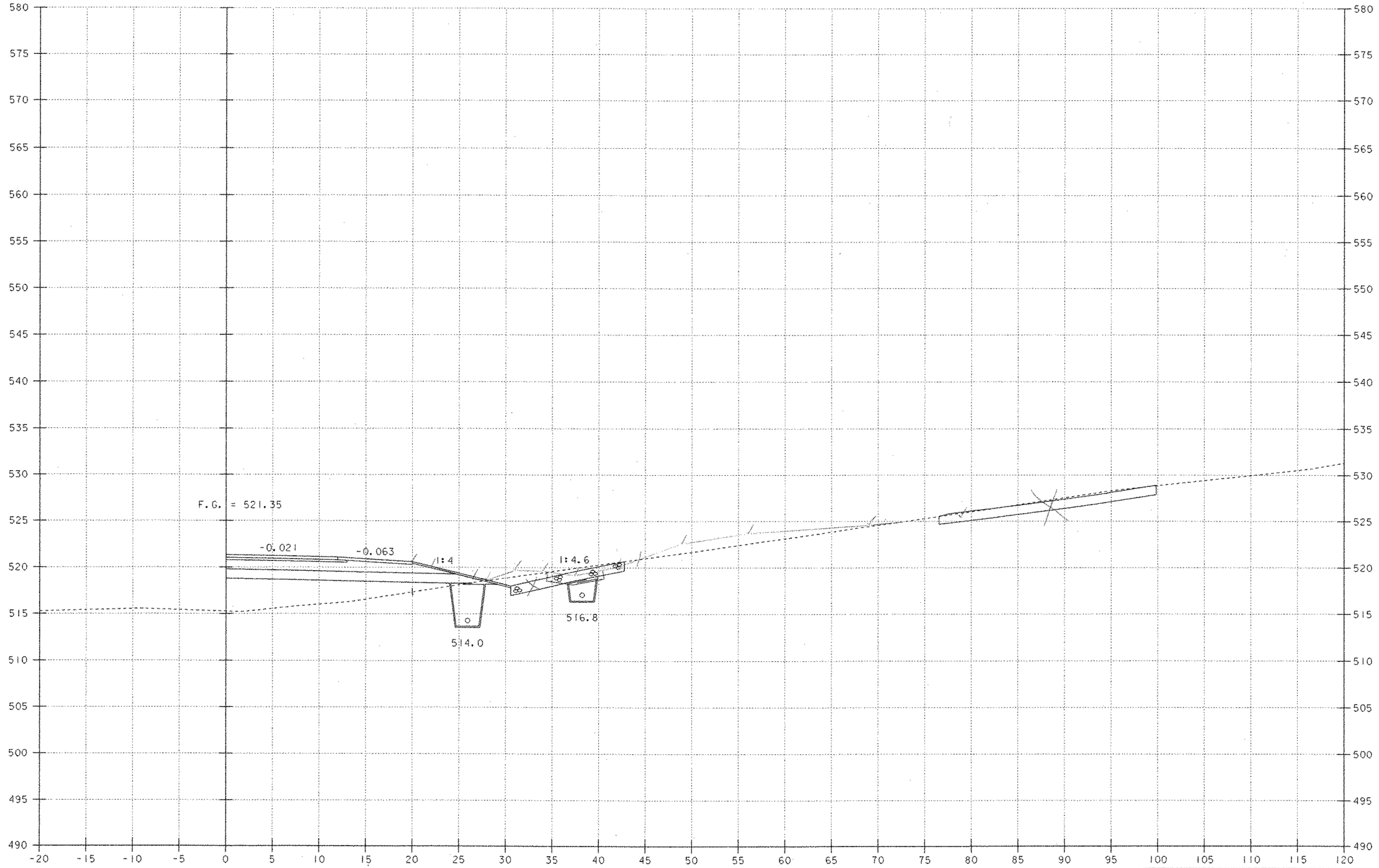
REV. 198+50

REV. 198+40 RT.
END RETAINING WALL NO. 3

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32t22.1 PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR337 SHEET 145V OF 243



REV. 198+64 RT.
END STRUCTURE EXCAVATION
GEOTEXTILE UNDER STONE FILL
STONE FILL, TYPE I

REV. 198+50

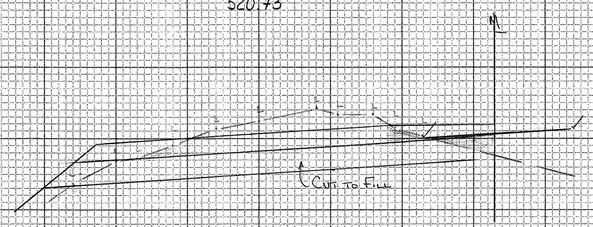
REV. 198+40 RT.
END RETAINING WALL NO. 3

SCALE 1" = 5'-0
5 0 5

PROJECT NAME: MORETOWN
PROJECT NUMBER: STP EGC RSEGC 0167 (9)

FILE NAME: \78el32\Structures\sel32t22.i PLOT DATE: 12-MAY-2000
PROJECT LEADER: R. R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: C. ALLEN CHECKED BY: C. ALLEN
BRIDGE SHEET BR337 SHEET 145V OF 243

520.73



520.00

℄

210+03

CROSS SECTION SHEET

PROJECT NAME: Moretown - Middlesex RS0167(9)

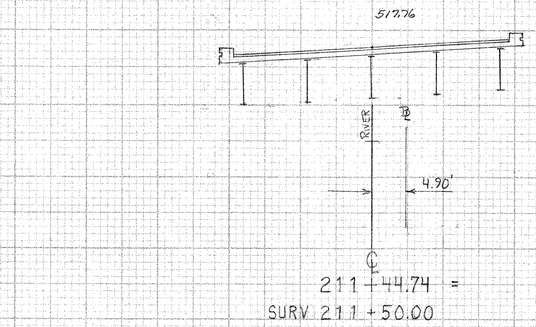
PROJECT NUMBER:

FILE NAME: Route 100B Ledge Section PLOT DATE: 05-JUN-2000 09

PROJECT LEADER: DRAWN BY: STW 1/3/01

DESIGNED BY: CHECKED BY:

const: g:/common/cadd/e-xsection.dgn SHEET ____ OF ____



211+44.74 =
SURV 211+50.00

210+95.16 = SURV 211+00.00

210+70.39 =
SURV 210+75.00

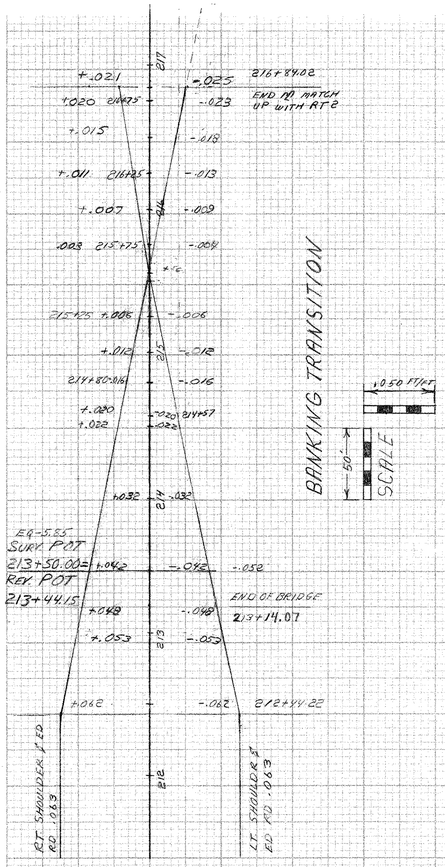
510

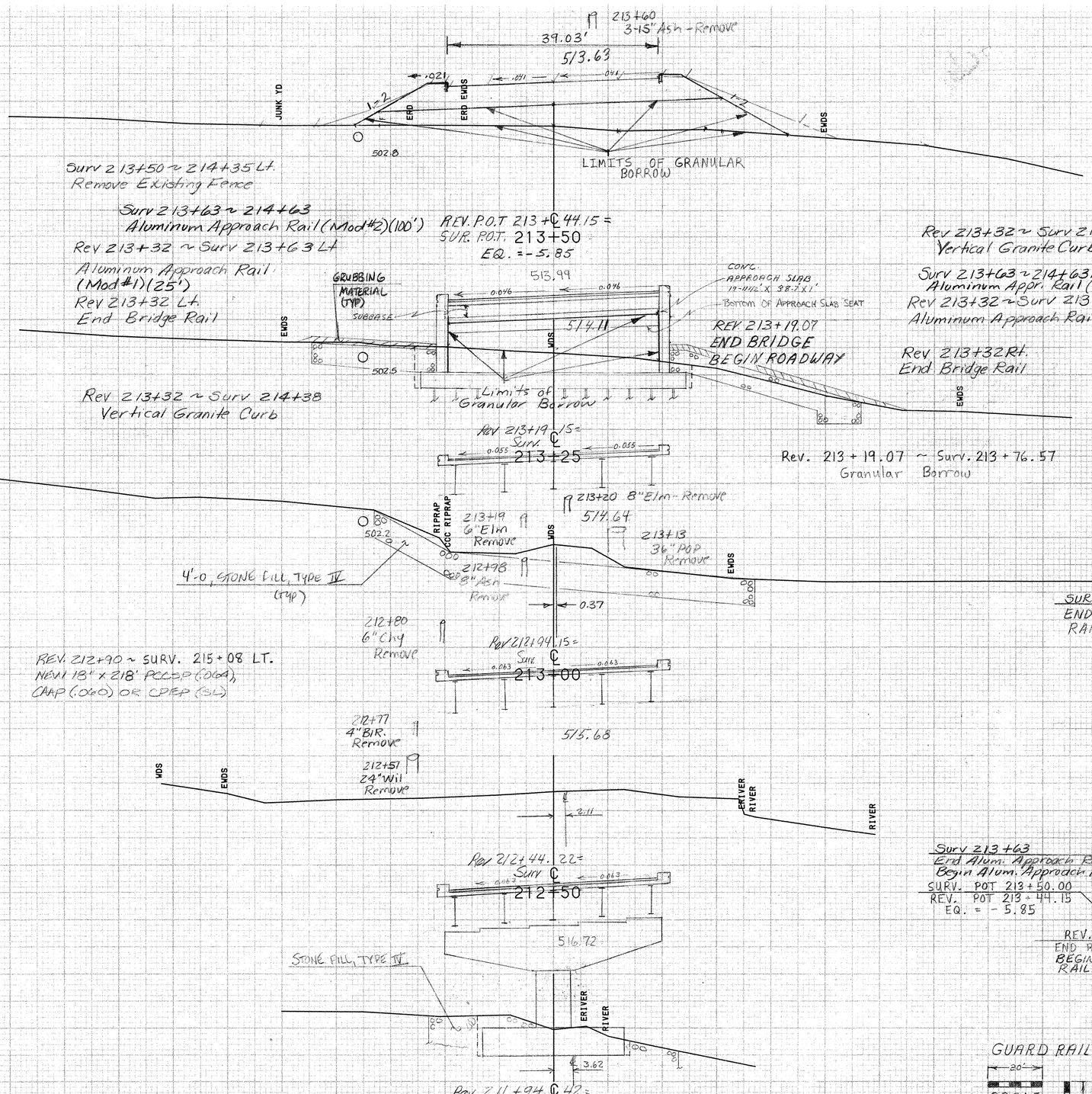
470

490

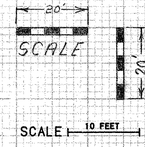
FROM STA. 210+75	TO STA. 211+90
PROJECT NAME	MORETOWN-MIDDLESEX
NO.	BRS0167(11) PLOTTED 05/04/87
SURVEYED BY	MOREAU 01/86 0039
SHEET 230 OF 243 SHEETS	

SCALE 10 FEET

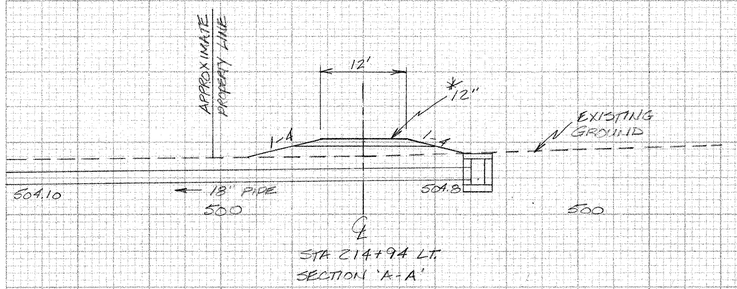




GUARD RAIL DETAIL



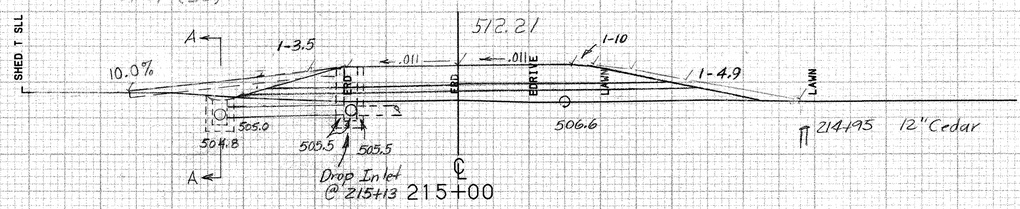
FROM STA. 212+00	TO STA. 213+50
PROJECT NAME	MORETOWN-MIDDLESEX
NO.	BRS0167(11) PLOTTED 05/04/87
SURVEYED BY	MOREAU 01/86 0039
SHEET 231 OF 243 SHEETS	



STA 214+94 LT.
SECTION 'A-A'

*3" SUBBASE OF CRUSHED GRAVEL (FINE GRADED) OVER 9" DENSE GRADED CRUSHED STONE

215+09 ~ 215+13 LT
NEW 18"x 16' PCCSP(.064), CAAP(.060), RCP CL III OR CPEP (SL)

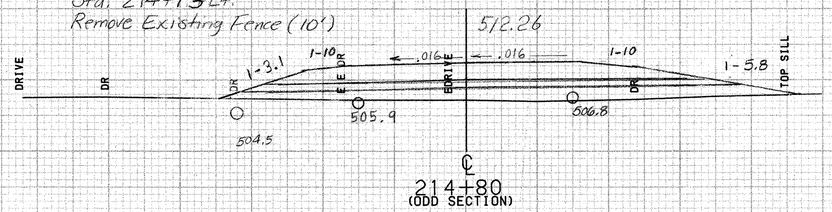


214+95 12"Cedar

500

STA. 214+94 LT.
CONSTRUCT DRIVE (GRAVEL)

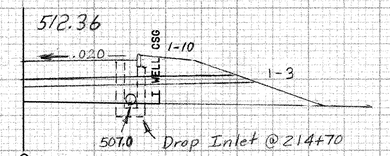
Sta. 214+73 Lt.
Remove Existing Fence (10')



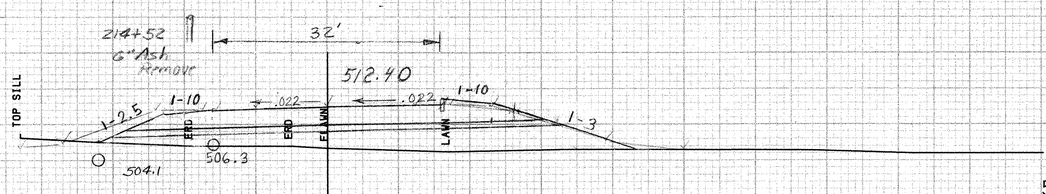
SURV 214+70 ~ 215+10 Rt.
Leave 40' Break in Vertical Granite Curb for Future Access (Do Not Construct Drive)

500

214+70 ~ 215+10 Rt.
New 18"x 38' PCCSP(.064), CAAP(.060), RCP CL III or CPEP(SL)



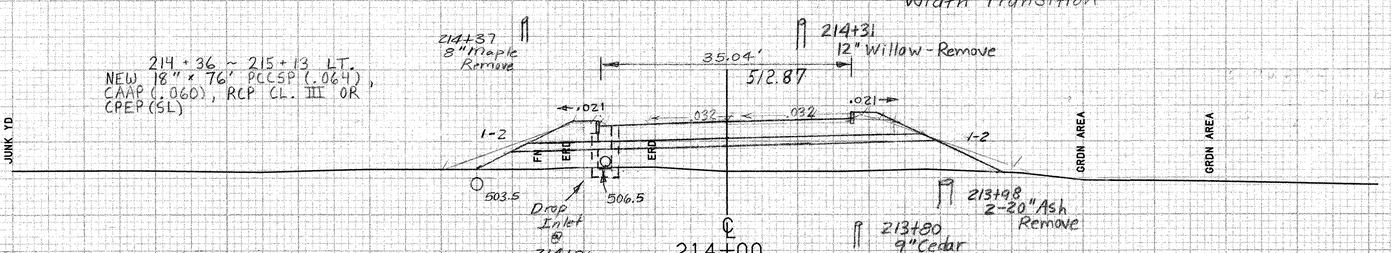
500



500

Surv
214+38
End Shoulder/Roadway Width Transition

214+36 ~ 215+13 LT.
NEW 18" x 76' PCCSP (.064), CAAP (.060), RCP CL. III OR CPEP (SL)

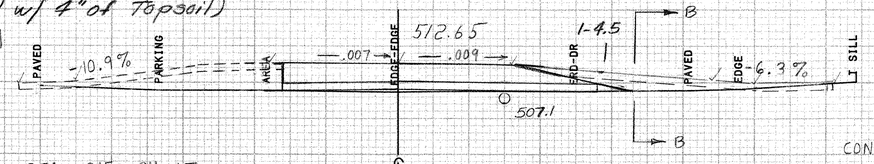


500

SCALE 10 FEET

FROM STA. 214+00		TO STA. 215+00
PROJECT NAME	MORETOWN-MIDDLESEX	
NO.	BRS0167(11)	PLOTTED 05/04/87
SURVEYED BY	MOREAU	01/86 0039
SHEET 232 OF 243 SHEETS		

NL 216+15 Lt ~ US 2 12+73 Lt. (ISLAND)
Construct a 9' Wide Traffit Island
(Island to be Filled Level w/ 4" of Topsoil)
w/ Granite Slope Edging
(See Detail on Sht. #146)

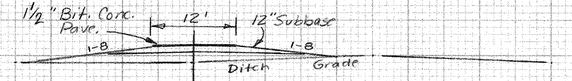


STA. 215 + 94 LT.
CONSTRUCT DRIVE (PAVED)

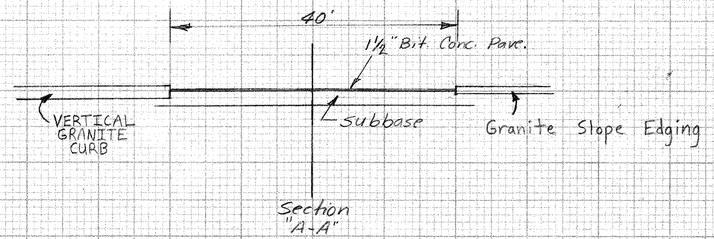
℄ 216+00

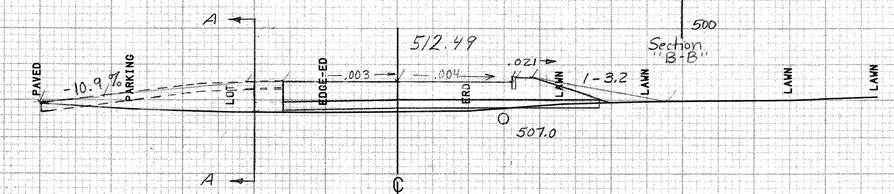
216+08 ~ 216+93 Rt.
Grade, Topsoil and Seed Existing
Gravel Road (Within Existing ROW)

STA. 216 + 06 RT.
CONSTRUCT DRIVE (PAVED)



500

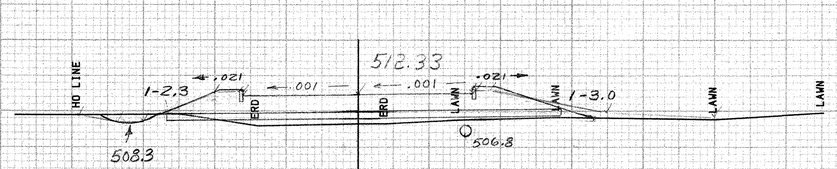




Section "B-B"

500

℄ 215+75

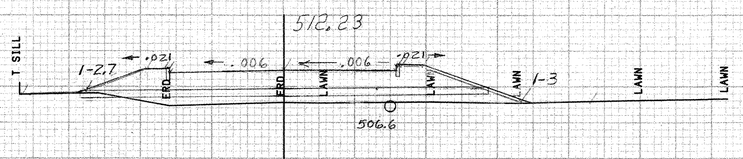


215+48 Lt.
Relocate Mailbox -
Single Support

215+50
Combo
No #

500

℄ 215+50



500

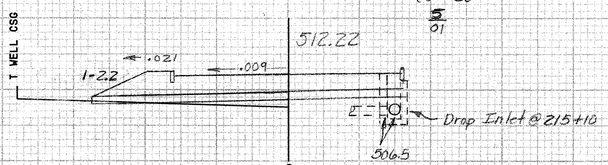
℄ 215+25

215+10 ~ 216+25 Rt.
New 18" x 112' PCCSP(.064), CAAP(.060),
RCP CL III or CPEP(SL)

215+06 ~ 215+68 Lt.
Vertical Granite Curb

215+20
Combo
01

215+10 ~ 215+88 Rt
Vertical Granite Curb



500

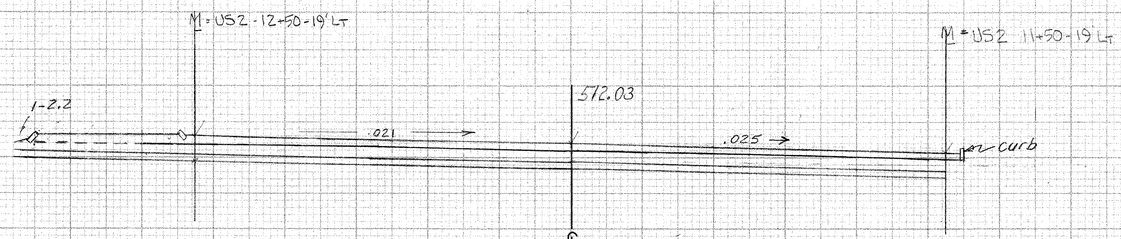
℄ 215+12
(ODD SECTION)

215+10 Rt ~ 215+13 Lt.
New 18" x 28' PCCSP(.064), CAAP(.060),
RCP CL III or CPEP(SL)

SCALE 10 FEET

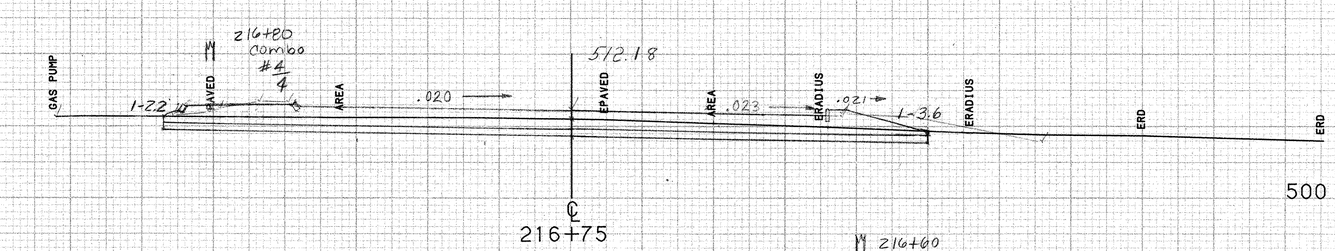
FROM STA. 215+12		TO STA. 216+00
PROJECT NAME	MORETOWN-MIDDLESEX	
NO.	BRS0167(11)	PLOTTED 05/04/87
SURVEYED BY	MOREAU	01/86 0039
SHEET 233 OF 243 SHEETS		

216+88.02
END PROJECT BRS 0167(11)
CONSTRUCT U.S. 2 APPROACH



℄
216+88.02
END ℄. BUTT TO U.S. 2 12-00-16' LT

500

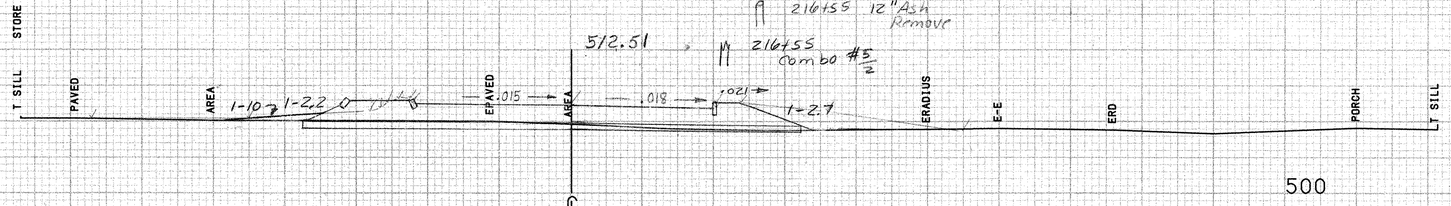


500

℄
216+75

216+60
Combo #5

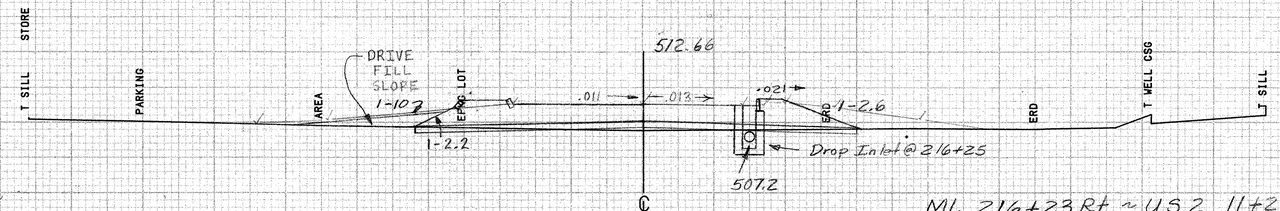
216+55 12" Ash Removal



500

℄
216+50

216+44 Rt.
Relocate Mailbox -
Multiple Support (10)



500

℄
216+25

ML 216+23 Rt ~ US 2 11+20 Lt
Vertical Granite Curb

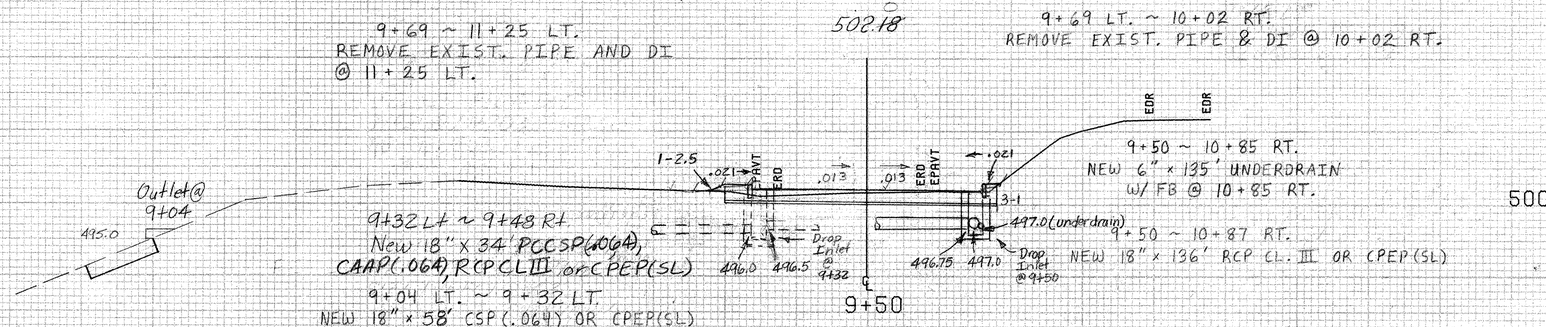
SCALE 10 FEET

FROM STA. 216+25	TO STA. 217+00	
PROJECT NAME	MORETOWN-MIDDLESEX	
NO.	BRS0167(11)	PLOTTED 05/04/87
SURVEYED BY	MOREAU	01/86 0039
SHEET 234 OF 243 SHEETS		

9+68 Lt.
REMOVE EXISTING JUNCTION BOX
AND PLUG PIPE WITH CONCRETE, CL.B

9+69 ~ 11+25 LT.
REMOVE EXIST. PIPE AND DI
@ 11+25 LT.

9+69 LT. ~ 10+02 RT.
REMOVE EXIST. PIPE & DI @ 10+02 RT.



9+50 ~ 10+85 RT.
NEW 6" x 135' UNDERDRAIN
W/ FB @ 10+85 RT.

9+50 ~ 10+87 RT.
NEW 18" x 136' RCP CL. III OR CPEP(SL)

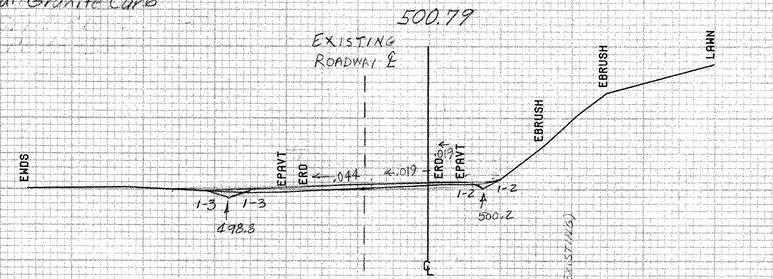
9+32 LT ~ 9+48 RT
New 18" x 34' PCCSP(.064),
CAAP(.064), RCP CL III or CPEP(SL)

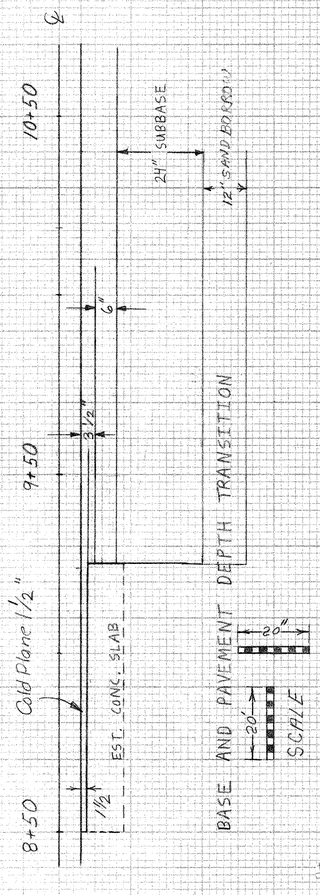
9+04 LT. ~ 9+32 LT
NEW 18" x 58' CSP(.064) OR CPEP(SL)
WITH STONE FILL, TYPE II AT OUTLET

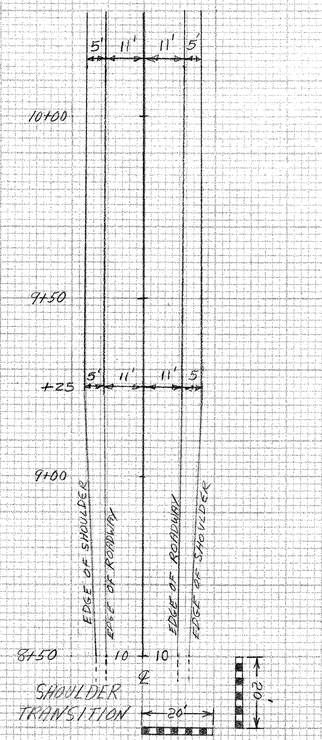
9+25 ℄
END 1½" BITUMINOUS
CONCRETE OVERLAY AND COLD PLANING
BEGIN REMOVAL OF PORTLAND
CEMENT CONCRETE PAVEMENT

9+43 ~ 10+17 Rt.
Vertical Granite Curb

9+30 ~ 10+28 Lt.
Vertical Granite Curb



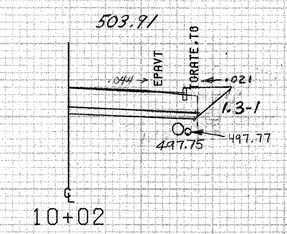




BEGIN REMOVAL OF BITUMINOUS CONCRETE PAVEMENT
TO 1½" DEPTH BY COLD PLANING
BEGIN U.S.2 APPROACH CONSTRUCTION
BEGIN 1½" BITUMINOUS CONCRETE OVERLAY

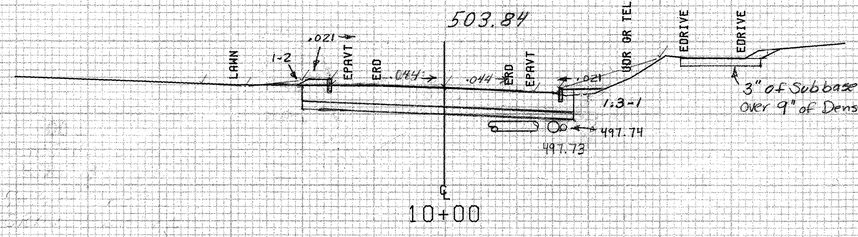
SCALE 10 FEET

FROM STA.	8+50 TO STA. 9+50
PROJECT NAME	MORETOWN-MIDDLESEX RTE2
NO.	BRS0167(11) PLOTTED 02/14/85
SURVEYED BY	NYE JAN 1985
SHEET	235 OF 243 SHEETS



10+02 RT. ~ 11+14 RT.
EXIST. 4" CAST IRON PIPE
(SEWER)

500



3" of Subbase of Crushed Gravel (Fine Graded)
over 9" of Dense Graded Crushed Stone

500

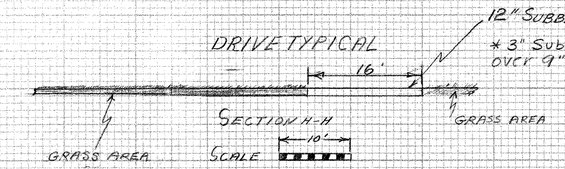
M 9+90
Combo 9/01

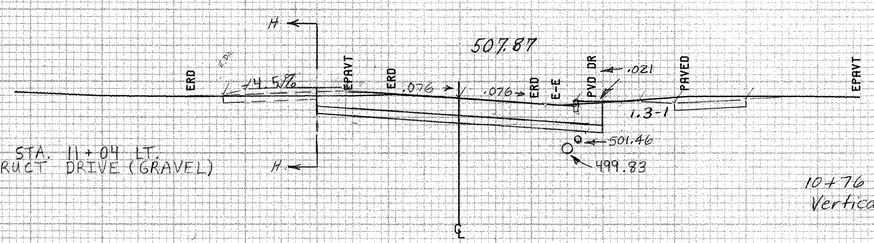
P.C. @ 9+85.00

500

FROM STA. 9+85	TO STA. 10+02
PROJECT NAME	MORETOWN-MIDDLESEX RTE2
NO.	BRS0167(1) PLOTTED 02/14/86
SURVEYED BY	NYE JAN 1985
SHEET 230 OF 243 SHEETS	

SCALE 10 FEET





11+10 Combo #6

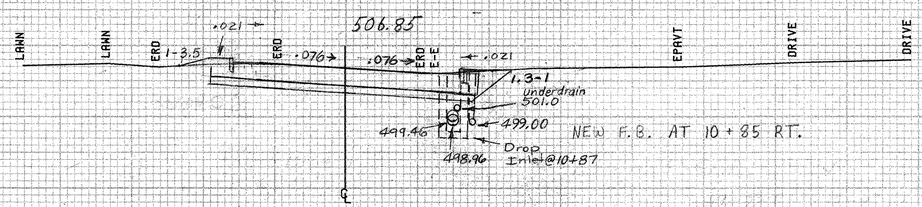
500

10+76 ~ 11+45 Rt.
Vertical Granite Curb

10+76 ~ 11+45 Rt.
Construct 5' Wide Grass Area

10+87 ~ 12+00 RT.
NEW 6" x 113' UNDERDRAIN
W/ FB @ 12+00 RT.

10+87 ~ 12+02 RT.
NEW 18" x 108' RCP CL. III
OR CPEP (SL)

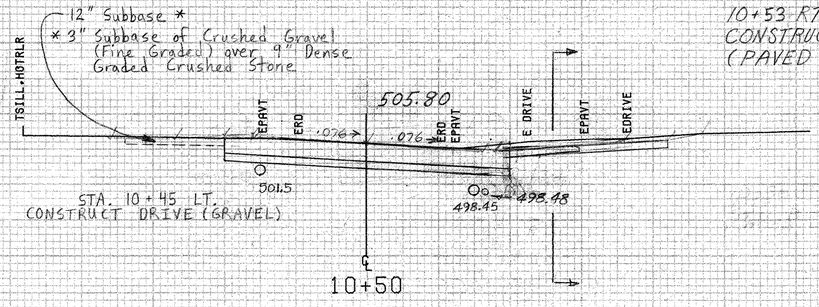


NEW F.B. AT 10+85 RT.

500

10+62 ~ 10+87 Lt.
Vertical Granite Curb

10+55 ~ 10+95 Lt.
Construct 5' Wide Grass Area

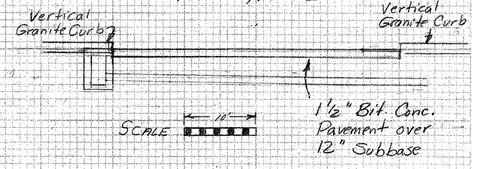


10+53 RT
CONSTRUCT DRIVE
(PAVED + GRAVEL)

500

FOR GRAVEL DRIVE:
3" Subbase of Crushed Gravel (Fine Graded) over 9" of Dense Graded Crushed Stone

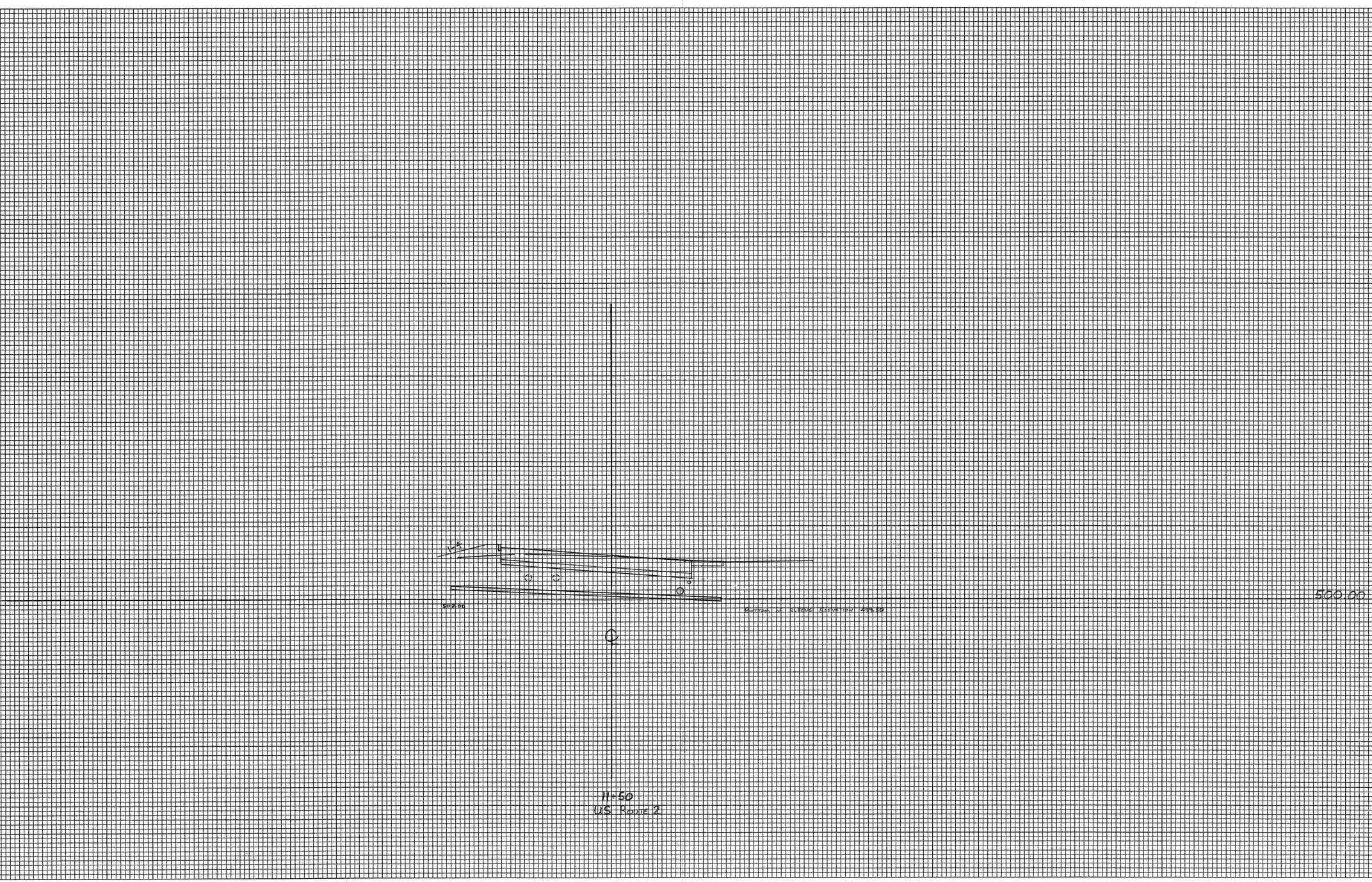
SECTION A-A



10+11 ~ 10+36 Lt.
Construct 5' Wide Grass Area

SCALE 10 FEET

FROM STA.	10+50	TO STA.	11+00
PROJECT NAME	MORETOWN-MIDDLESEX		RTE2
NO.	BRS0167(11)		PLOTTED 02/14/85
SURVEYED BY	NYE		JAN 1985
SHEET 237 OF 243 SHEETS			



CROSS SECTION SHEET

PROJECT NAME: Moretown - Middlesex

PROJECT NUMBER: BRS 0167(11)

FILE NAME: Sewer Sleeve Crossing VS 2

PROJECT LEADER: _____

DESIGNED BY: _____

const: g:/common/cadd/e-xsection.dgn

PLOT DATE: 05-JUN-2000 09

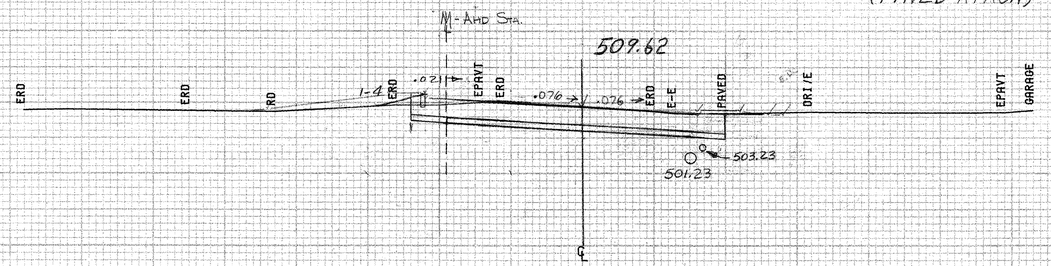
DRAWN BY: STW 11-2-01

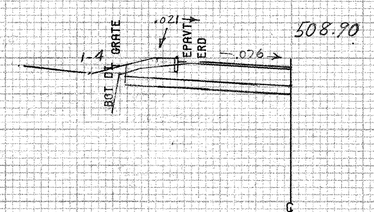
CHECKED BY: _____

SHEET 1 OF 1

237A

STA. 11+68 RT
CONSTRUCT DRIVE
(PAVED APRON)

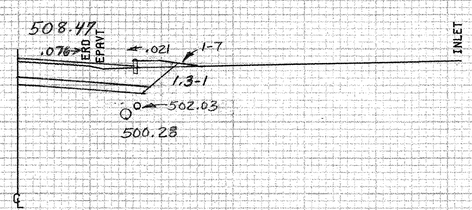




11+25 LT. ~ 13+71 LT. EXIST. 15" RCP
REMOVE EXIST. PIPE AND DI @ 13+71 LT.

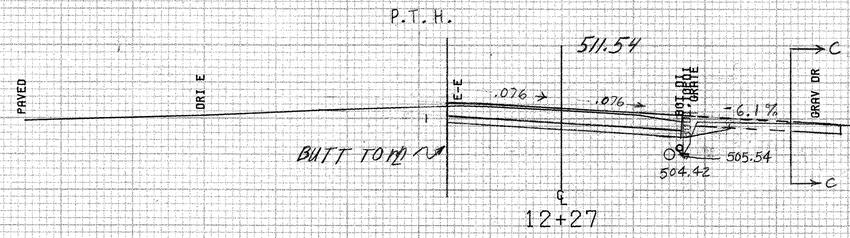
11+25 ~ 12+27 RT. EXIST. 15" RCP
REMOVE EXIST. PIPE AND DI @ 12+27 RT.

USZ 11+20 Lt ~ ML Z16+23 Rt.
Vertical Granite Curb



FROM STA.	11+16 TO STA. 11+50
PROJECT NAME	MORETOWN-MIDDLESEX RTE2
NO.	BRS0167(8) PLOTTED 02/14/85
SURVEYED BY	NYE JAN 1985
SHEET	238 OF 243 SHEETS

SCALE 10 FEET

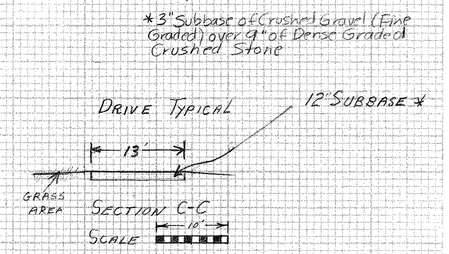


12+44 ~ 12+99 Rt.
Vertical Granite Curb

12+27 ~ 13+50 RT.
EXISTING 8" PIPE
REMOVE DI @ 13+50 RT. AND
PLUG PIPES W/ CONC. CL. B

STA. 12+35 RT.
CONSTRUCT DRIVE (GRAVEL)

510

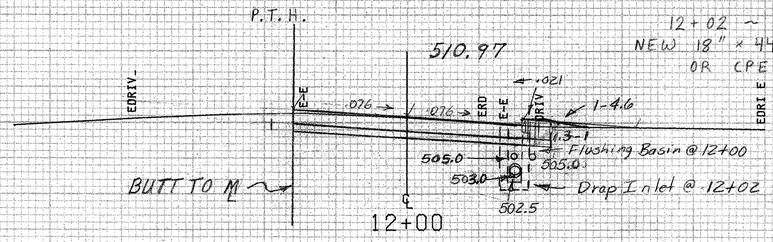


℄ POT 217+04.02 =
RTE 2 P.O.C. 12+00.00

12+16 ~ 12+19 Rt.
Remove Existing Fence

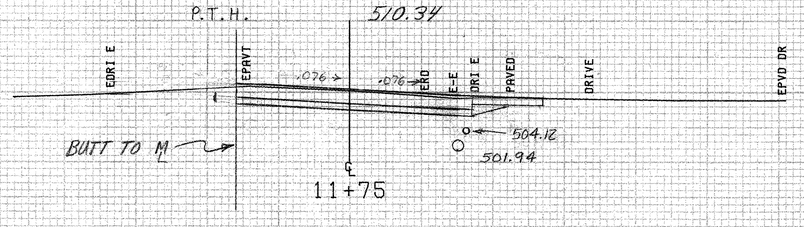
12+02 ~ 12+48 RT.
NEW 6" x 46' UNDERDRAIN
W/ FB @ 12+48 RT.

12+02 ~ 12+50 RT.
NEW 18" x 44' RCP CL. III
OR CPEP (SL)



510

11+91 ~ 12+23 Rt
Vertical Granite Curb

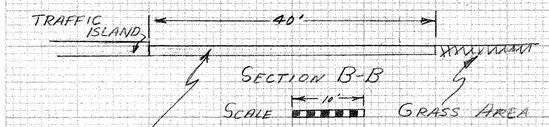


510

FROM STA. 11+75	TO STA. 12+27
PROJECT NAME	MORETOWN-MIDDLESEX RTE2
NO.	BRS0167(11) PLOTTED 02/14/85
SURVEYED BY	NYE JAN 1985
SHEET 239 OF 243 SHEETS	

SCALE 10 FEET

DRIVE TYPICAL



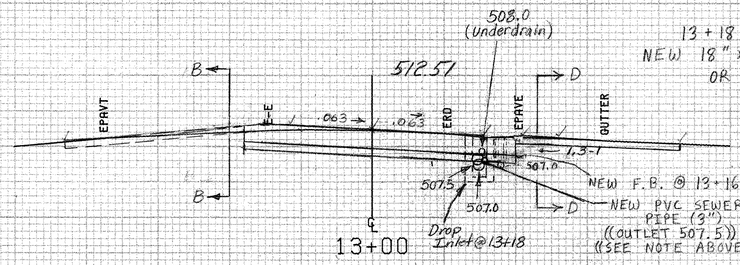
STA. 12+93 Lt.
CONSTRUCT DRIVE
(PAVED)

P.T. 13+34.00

13+18 ~ 13+50 RT.
NEW 3" x 31' PVC SEWER PIPE
CONNECT TO EXIST. 3" PLASTIC PIPE
@ 13+50 RT.

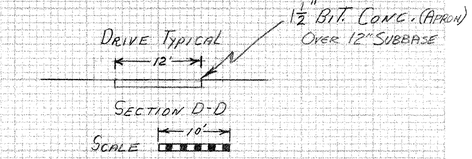
13+19 ~ 13+76 RT.
NEW 6" x 57' UNDERDRAIN
W/ FB @ 13+76 RT.

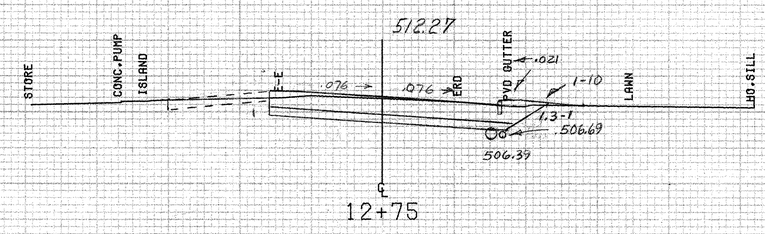
13+18 ~ 13+78 RT.
NEW 18" x 58' RCP CL. III
OR (PEP (SL)



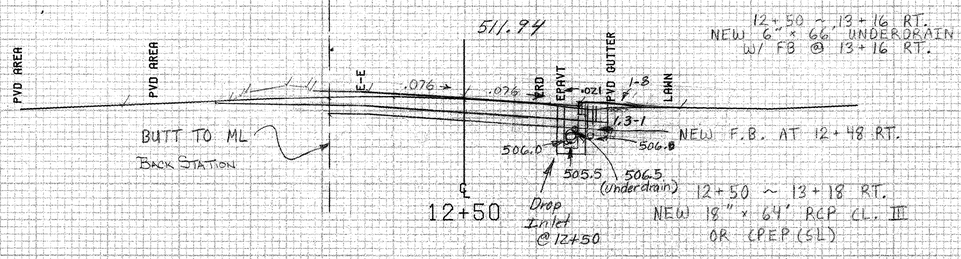
13+06 RT
CONSTRUCT DRIVE
(GRAVEL)

510





510



12+50 ~ 13+16 RT.
NEW 6" x 66' UNDERDRAIN
W/ FB @ 13+16 RT.

12+50 ~ 13+18 RT.
NEW 18" x 64' RCP CL. III
OR (PEP (SL)

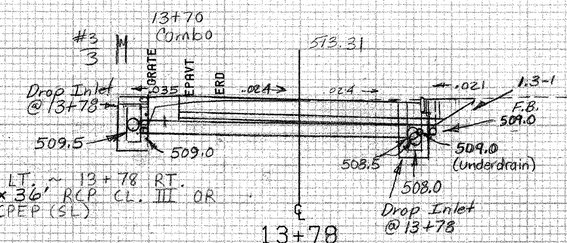
510

SCALE 10 FEET

FROM STA. 12+50	TO STA. 13+00
PROJECT NAME	MORETOWN-MIDDLESEX RTE2
NO.	BRS0167(11) PLOTTED 02/14/85
SURVEYED BY	NYE JAN 1985
SHEET 240 OF 243 SHEETS	

13+78 LT.
EXIST. 15" RCP:
CONNECT TO NEW DI @ STA.
13+78 LT.

13+78 LT. ~ 13+78 RT.
NEW 18" x 36' RCP CL. III OR
CPEP (SL)



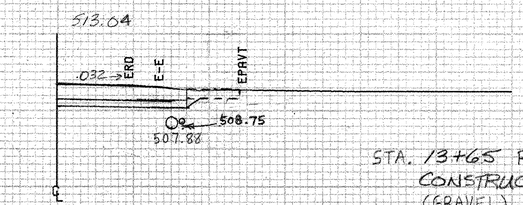
13+78 ~ 14+25 RT.
NEW 6" x 47' UNDERDRAIN
W/ FB @ 14+25 RT.

13+78 ~ 14+58 RT.
NEW 18" x 108' RCP CL. III
OR CPEP (SL)

NEW F.B. AT 13+76 RT.

510

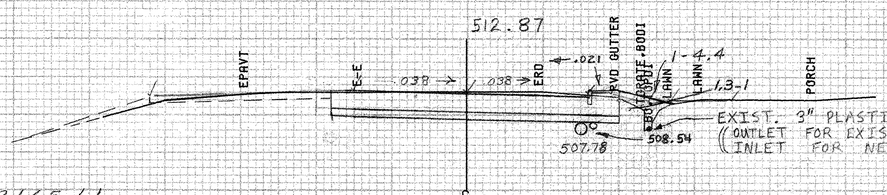
13+72 ~ 14+65 Rt.
Vertical Granite Curb



STA. 13+65 RT.
CONSTRUCT DRIVE
(GRAVEL)

510

13+50 ~ 14+58 RT.
EXISTING 8" PIPE
REMOVE DI @ 14+58 RT. AND PLUG
PIPES W/ CONC. CL. B



510

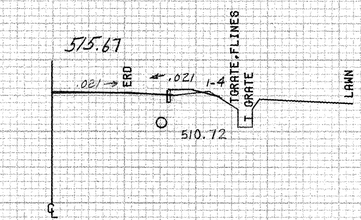
13+50 ~ 13+72 RT.
EXIST. 3" PLASTIC PIPE

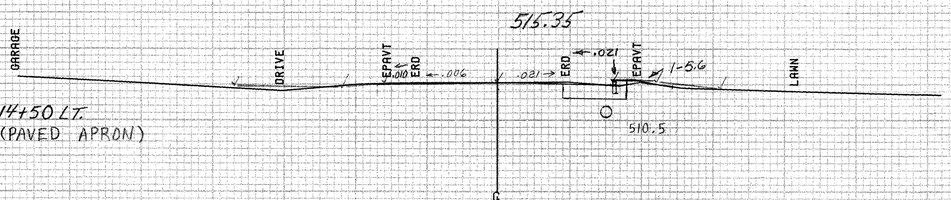
13+11 ~ 13+65 Lt.
Construct 5' Wide
Grass Island

13+14 ~ 13+58 Rt.
Vertical Granite Curb

SCALE 10 FEET

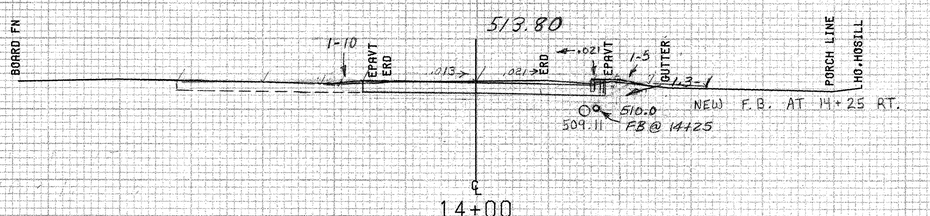
FROM STA. 13+50 TO STA. 13+70
PROJECT NAME MORETOWN-MIDDLESEX RTE2
NO. BRS0167(11) PLOTTED 02/14/86
SURVEYED BY NYE JAN 1985
SHEET 241 OF 243 SHEETS





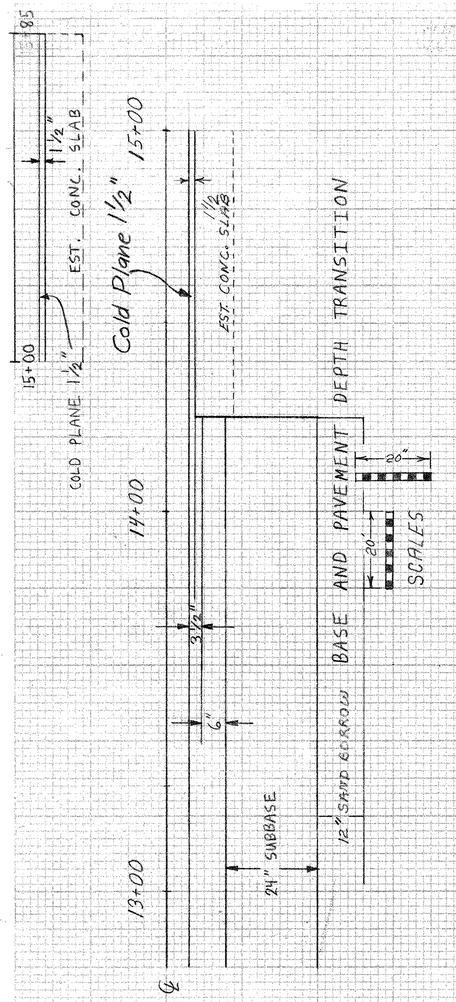
STA. 14+50 LT.
CONSTRUCT (PAVED APRON)

14+25 ℄
END REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT
BEGIN REMOVAL OF BITUMINOUS CONCRETE PAVEMENT TO 1½" DEPTH BY COLD PLANING
BEGIN 1½" BITUMINOUS CONCRETE OVERLAY



SCALE 10 FEET

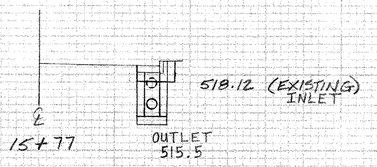
FROM STA. 14+00	TO STA. 14+58
PROJECT NAME	MORETOWN-MIDDLESEX RTE2
NO.	BRS0167(11) PLOTTED 02/14/85
SURVEYED BY	NYE JAN 1985
SHEET 242 OF 243 SHEETS	



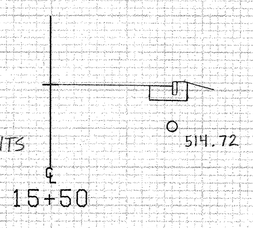
16+63 LT.
END EXCAVATION OF SURFACES AND PAVEMENTS
(Area to be topsoiled, seeded and mulched)

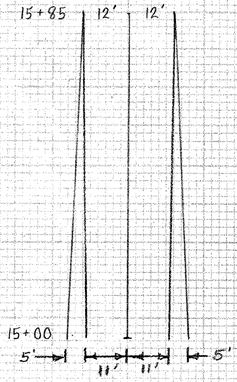
U.S. 2 STA. 16+63 ℄
END APPROACH CONSTRUCTION

U.S. 2 STA. 15+85 ℄
END REMOVAL OF BITUMINOUS CONCRETE PAVEMENT
END 1½" BITUMINOUS CONCRETE OVERLAY

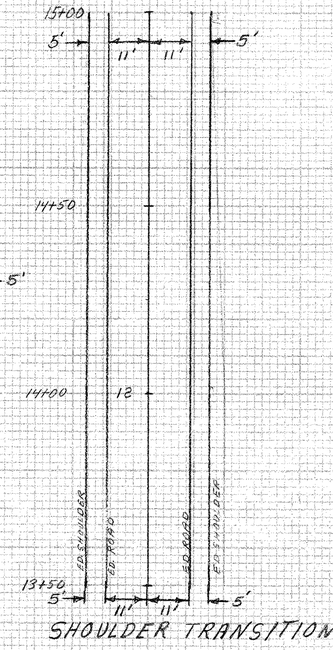


15+50 LT.
BEGIN EXCAVATION OF SURFACES AND PAVEMENTS
(Area to be topsoiled, seeded and mulched)

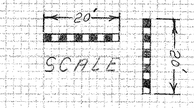


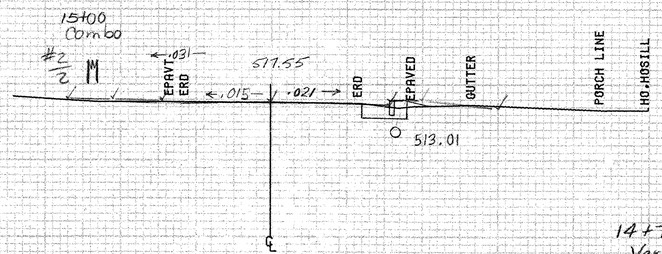


520



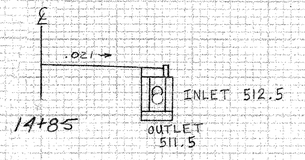
SHOULDER TRANSITION





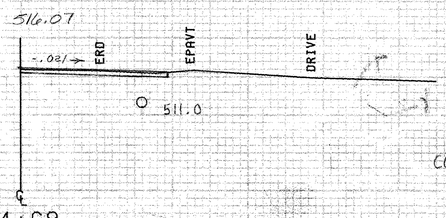
510

14+79 ~ 15+82 Rt.
Vertical Granite Curb



14+85 ~ 15+77 RT.
NEW 18" x 88' RCP CL. III OR CPEP
(SL): REPLACE EXIST. DI @ 15+77 RT.
AND CONNECT TO EXIST. PIPE

510



510

STA. 14+72 RT.
CONSTRUCT (PAVED APRON)

FROM STA. 14+68 TO STA. 15+50
PROJECT NAME MORETOWN-MIDDLESEX RTE2
NO. BRS0167(01) PLOTTED 02/14/85
SURVEYED BY NYE JAN 1985
SCALE 10 FEET
SHEET 243 OF 243 SHEETS