

- 1. Title Sheet
- 2-4. Alignment Data Sheets
- 5-10. Typical Sections
- 11. Quantity Sheet
- 12. Blank
- 13-26. Drainage Sheets
- 27-49. Grate Sheets
- 50. Blank
- 51-128. Plan & Profile Sheets
- 129-141. 20 Scale Plan Sheets
- 142-183. Details of Adapters, Catch Basins and Drop Inlets
- 184-187. Traffic Sign Sheets
- 188. Street Lighting Sheet
- 189. Blank
- 170-179. 88 Series 300 Reloc. U.S. 4 Over Castleton River
- 180-188. 88 Series 500 Reloc. U.S. 4 Over Reloc. Vt. 22-A
- 189-198. 88 Series 800 US 4 Reloc. over Lake Bomoseen & SA 2 Reloc.
- 199-208. 88 Series 1000 US 4 Reloc. Over Vt. Rte. 30 Reloc.
- 209. A-60 Solid Rock Excavation
- 210. B-1 Banking Tables
- 211. B-5 Typical Slope Grading
- 212. B-10 Embankment on a Slope
- 213. C-11 Methods of Slope Stabilization
- 214. C-1 Cuts
- 215. C-1a Cuts
- 216. D-2 Headwalls & Underdrain
- 217. D-3 Jute Matting & Treated Gutters
- 218. D-4 Underdrain Flushing Basin
- 219. D-6 R.C. Drop Inlet w/Grate
- 220. D-8 R.C. Drop Inlet
- 221. D-9 Drop Inlet Tops
- 222. D-10 Drop Inlet Tops
- 223. D-11 Details of Grates and Covers
- 224. D-13 Catch Basin or Manhole
- 225. D-14 Drop Inlet Type II
- 226. D-17 ACCOMP Vertical Riser
- 227. F-7 U.S. Route Markers & Auxiliary Markers
- 228. F-13 State Route Markers & Auxiliary Markers
- 229. E-14 Regulatory Signs
- 230. E-15 Regulatory Signs
- 231. E-16 Warning Signs
- 232. E-17 Guide Signs
- 233. E-18 Guide Signs
- 234. E-20 Detectors, Hazard Markers and Mile Posts
- 235. E-22 Breakaway Type Galvanized Struct. Sign Supports
- 236. E-23 Yielding Type Towlar Alum. Sign Supports
- 237. E-25 Standard Sign Placement (Expressway Type)
- 238. E-26 Std. Sign Placement (Non-Expressway Type)
- 239. E-31 Fed. Aid Conc. Inmt. Signs
- 240. E-41 Traffic Control Signals
- 241. E-51 Concrete Bases & Pillboxes
- 242. E-52 Poles, Boxes, Brackets & Luminaires
- 243. G-1 Std. St. Beam Guard Rail
- 244. G-1a Box Beam Guard Rail
- 245. G-4 Steel Marker Posts
- 246. G-6 Three Cable Guard Rail w/Light Steel Posts
- 247. G-7 Anchors for Thrud Cable GR
- 248. G-8 Bridge Railing (For Bridge Apprs)
- 249. G-9 Bridge Railing (For Bridge Apprs)
- 250. G-11 Anchors for St. Beam Guard Rail
- 251. J-1 Project & Boundary Markers
- 252. SB-MI-64 Sheet 1 of 2
- 253. SB-MI-68 Sheet 2 of 2
- 254. SCB-DI-67
- 255. SCB-DI-67
- 255a E-32 Road End Aprn Signs
- 255b E-34 On-Road Const Signs
- 255c-I X-Sections (U-Terms)

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

TOWNS OF FAIR HAVEN & CASTLETON
COUNTY OF RUTLAND
RELOCATION OF US ROUTE 4
FAIR HAVEN - WEST RUTLAND ROAD

BEGINNING AT A POINT APPROXIMATELY 0.010 MILES
EASTERLY OF THE N.Y.-V.T. STATE LINE AND
PROCEEDING EASTWARD 7.413 MILES

LENGTH OF ROADWAY 37,897.05 FEET 7.177 MILES
LENGTH OF BRIDGES 1,248.59 FEET 0.236 MILES
LENGTH OF PROJECT 39,145.64 FEET 7.413 MILES

TRAFFIC DATA			
1970 ADT	4,250	4,460	3,075
1995 (EST) ADT	7,490	7,950	5,450
1995 (EST) D.V.	1,010	1,050	770
D	82%	85%	82%
T	8%	7%	9%
V	60 MPH	60 MPH	60 MPH

FAIR HAVEN-CASTLETON F020-1(8) PAVMT. AREA
RECORD PLANS
MATERIALS
208,777 S.Y.

SUBBASE OF GRAVEL - BISHOP PIT - WEST HAVEN, VT. &
ADATIEL PIT - CASTLETON, VT.
SUBBASE OF DENSE GRADED CRUSHED ROCK - PLAKIN PIT - FAIR HAVEN, VT.
CRUSHED GRAVEL OR CRUSHED STONE PLANT MIXED BASE COURSE,
BITUMINOUS CONCRETE & JOINT SEALER NOT FOURED - INKATRON
PLANT - CASTLETON, VT.
TACK COAT TYPE III ASPHALT - HUMBLE BY TRIMOUNT BIT. PRODUCTS
- EVERETT, MA. & GRITS-DEMERS QUARRY - SHELburne, VT.
TAR EMULSION - COPELAND SEALER - COPELAND, CT.
METAL CULVERT PIPE - NORTHEASTERN CULVERT CORP. -
WESTMINSTER, VT. EMPIRE RAILING - WARD WELLEN CO., INC. - NATICK, MA.
C.I. COVER FOR FL. BASIN - E.L. LEBARON FDRY. CO. - BROCKTON, MA.
GUARD RAIL & EROSION CONTROL ITEMS & TRAFFIC SIGNS -
S.T. GRISWOLD & CO., INC. - WILLISTON, VT.
ELASTO SHEET & LIQUID MEMBRANE - UNIROVAL - MICHAWAKA, IND.
CONTRACTOR - PERINI CORP. - FRAMINGHAM, MA.
RESIDENT ENGINEER - WILLIAM E. MURPHY,
INSPECTORS - J.W. STEARNS, M. CARNES, W. DOYLE, A. LAVIGNE,
R. CASSIDY, R. LANCE, E. GIBSON, S. LANGILL, W. PRESTON, F.
REED, E. ORVIS & V. DWIRE.
RECORD PLANS - A.G. SPIDLE.

CONTRACT
DATED - FEBRUARY 22, 1971.
STARTED - MAY 17, 1971.
COMPLETED - DECEMBER 2, 1971.
ACCEPTED - DECEMBER 2, 1971.

RIGHT-OF-WAY DIVISION
TOWN FILE

PERPETUAL
Town of US 4, L.A.

(To be returned to the Town of US 4, L.A.)
Final quantities and points are shown relative to this project may be found in either the field books or the estimate file.

find # 68B099
STAGE 2 CONSTRUCTION

END PROJECT F 020-1(8)
BEGIN PROJECT AP 020-1(4)
EB 1376+73.40
WB 1380+86.53 MP 7.424

FOR RIGHT-OF-WAY DETAILS, SEE RIGHT-OF-WAY PLANS FOR THIS PROJECT.
CHIEF ENGINEER, FEDERAL HIGHWAY ADMINISTRATION OR THE TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION



CONVENTIONAL SIGNS
ROW EIGHT
SIDE RIGHTS
CONTROL OF ACCESS
FAIR HAVEN-CASTLETON F 020-1(8)
CONTRACTOR - PERINI CORP. - FRAMINGHAM, MA.
CONSTRUCTION COMPLETED - DECEMBER 2, 1971.
RECORD PLANS - A.G. SPIDLE.

APPROVED: A.G. Spidle 2/18/70
DATE: 2/18/70
Elt. Stearns 2/18/70
M. Carnes 2/18/70
W. Doyle 2/18/70
J.W. Stearns 2/18/70
R.H. Arnold 2/18/70
Project No. F 020-1(8)

- 1 TITLE SHEET
- 2 ALIGNMENT DATA SHEET
- 3-10 TYPICAL SECTIONS (MAINLINE)
- 11 TYPICAL SECTION SHOWING SURCHARGE LOAD PLACEMENT
- 12 PIEZOMETER & SETTLEMENT PLATFORM LOCATION SHEET
- 13-17C QUANTITY SHEETS
- 18-24 DRAINAGE SHEETS
- 25-39 EARTHWORK SHEETS
- 40-45 ROW DETAIL SHEETS
- 46 BLANK
- 47-53 PLAN & PROFILE SHEETS
- 54-58 2D SCAL PROFILE SHEETS
- 59-68 DETAILS OF ADAPTERS FOR CATCH BASINS & DROP INLETS
- 69-104 TRAFFIC SIGN SHEETS
- 105 UTILITY STRUCTURE DETAILS (RELOC. OF WATER SUPPLY LINE)
- 106 BR SERIES 500 RELOC. U.S. 4 OVER CASTLETON RIVER
- 107 BR SERIES 400 SA 6 OVER RELOC. U.S. 4
- 108-113 DETAILS OF 96" CGMP @ EB 1073.4
- 114-117 DETAILS OF 96" CGMP @ EB 1058.8
- 118-119 DETAILS OF 96" CGMP @ RAMP E 10+00.0
- 120-124 BR SERIES 500 RELOC. U.S. 4 OVER RELOC. VT. 22-A
- 125-128 DETAILS OF 96" CGMP @ VT. 22-A 71+00.0
- 129-132 BR SERIES 500 RELOC. U.S. 4 OVER TH 21
- 133-136 BR SERIES 700 RELOC. SA 5 OVER RELOC. U.S. 4
- 239-240 BLANK
- 241 A-60 SOLID ROCK EXCAVATION (IN AREAS OVER 50 MPH) 1-17-69 R
- 242 A-61 SOLID ROCK EXCAVATION (IN AREAS UNDER 50 MPH) 8-7-67 R
- 243 B-1 BANKING TABLES 7-17-67 R
- 244 B-5 TYPICAL SLOPE GRADING 3-10-65
- 245 B-6 MUCK EXCAVATION 3-10-65
- 246 B-10 EMBANKMENT ON A SLOPE 3-10-65
- 247 B-11 METHODS OF SLOPE STABILIZATION 3-10-65
- 248 C-1 CURBS 10-23-68 R
- 249 C-1a CURBS 3-10-65
- 250 D-2 HIC-20 WALLS & UNDERDRAIN 7-25-67 R
- 251 D-3 JUTE MATTING & UNSATURATED GUTTERS 7-19-67 P
- 252 UNDERDRAIN FLUSHING BASINS & ELBOWS 12-4-68 R
- 253 RC. DROP INLETS W/ GRATES 12-23-66
- 254 D-9 RC. DROP INLETS 3-10-65
- 255 D-10 DROP INLET TOPS 3-10-65
- 256 D-11 DROP INLET TOPS 3-10-65
- 257 D-11a DETAILS OF GRATES & COVERS 3-10-65
- 258 D-13 CATCH BASIN OR MOUND 3-10-65
- 259 D-16 DROP INLET TYPE II 7-18-67 R
- 260 D-17 ACCOMP. VERTICAL RISER 7-1-68 R
- 261 BLANK
- 262 E-15 REGULATORY SIGNS 8-12-63 R
- 263 E-16 WARNING SIGNS 12-18-64 R
- 264 E-20 DELINEATORS, HAZARD MARKERS & MILEPOSTS 11-7-67 R
- 265 BLANK
- 266 E-26 STANDARD SIGN PLACEMENT 2-6-68
- 267 E-31 FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS 8-21-67 R
- 268 E-32 ROAD CONSTRUCTION APPROACH SIGNS 1-6-67
- 269 E-34 ON PROJECT CONSTRUCTION SIGNS 5-3-67 R
- 270 E-31 CONCRETE BASES AND PUL. BOXES 2-20-68 R
- 271 F-1 PROPERTY LINE FENCE 11-29-67 R
- 272 F-2 GALVANIZED CHAIN-LINK FENCE 5-26-67 R
- 273 F-3 ALUMINUM ALLOY CHAIN-LINK FENCE 5-26-67 R
- 274 G-2a TWO CABLE GUARD RAIL 12-3-68 R
- 275 G-3 THREE CABLE GUARD RAIL 9-1-66 R
- 276 G-3a DEAD END ANCHORAGE @ BRIDGE 2-8-66 R
- 277 G-4 PLANK GUARD RAIL 12-30-65 R
- 278 G-6 THREE CABLE GUARD RAIL W/ LIGHT STEEL POSTS 3-21-68 R
- 279 G-7 THREE CABLE GUARD RAIL W/ LIGHT STEEL POSTS 3-21-68 R
- 280 J-1 BOUNDARY MARKERS 3-10-65
- 281 L-1 SETTLEMENT PLATFORMS 7-22-68
- 282 L-3 PIEZOMETERS 12-9-68
- 283 BLANK
- 284 SCB-D1-67 GENERAL INFORMATION & NOTES 1-24-68
- 285 SCB-D2-67 DETAILS A,B,C 1-24-68
- 286 SCB-D3-67 PLAN & REINFORCEMENT LAYOUT @ ABUTMENT 1-24-68
- 287 SCB-D4-67 PLAN & REINFORCEMENT LAYOUT @ PIER 1-24-68
- 288 SCB-D5-67 CONSTRUCTION JOINT DETAILS 1-24-68
- 289 SB -R1-64 ALUMINUM BRIDGE RAILING DETAILS SH 1 7-31-68 R
- 290 SB -R1-64 ALUMINUM BRIDGE RAILING DETAILS SH 2 8-8-68 R
- 291 SB -R2-65 ALUMINUM BRIDGE RAILING DETAILS SH 1 7-31-68 R
- 292 SB -AS-65 DETAILS OF APPROACH SLAB 7-24-67 R
- 293 SB -P1-65 CAST-IN-PLACE CONCRETE PILING 11-8-66
- 294 G-8 BRIDGE MATING FOR BRIDGE APPROACHES 2-13-68 R
- 295 G-9 BRIDGE MATING FOR BRIDGE APPROACHES 8-21-67 R
- 296-431 MAINLINE CROSS SECTIONS
- 432-473 RAMP CROSS SECTIONS
- 474-483 SA 6 CROSS SECTIONS
- 484-487 VT 22-A CROSS SECTIONS
- 488-501 TH 21 CROSS SECTIONS
- 502-526 SA 5 CROSS SECTIONS
- 527-532 CHANNEL SECTIONS
- 533 DRAINAGE SECTIONS
- 534A-534I DISPOSAL AREA FOR UNSUITABLE MATERIAL.

TOWN OF FAIR HAVEN COUNTY OF RUTLAND RELOCATION OF U.S. ROUTE 4 L.A. FAIR HAVEN-WEST RUTLAND ROAD

BEGINNING AT A POINT APPROXIMATELY 0.010 MILES
EASTERLY OF THE NEW YORK-VERMONT STATE LINE AND
PROCEEDING EASTERLY 2.990 MILES

LENGTH OF ROADWAY 5,321.21 FEET 2.902 MILES
LENGTH OF BRIDGES 468.32 FEET 0.086 MILES
LENGTH OF PROJECT 15,789.53 FEET 2.990 MILES

TRAFFIC DATA				
1965	ADT	3,600	3,800	2,600
1995	ADT	7,490	7,850	5,450
1995	DHV	1,010	1,050	770
	D	52%	55%	57%
	T	8%	7%	9%
	V	60 MPH	60 MPH	60 MPH

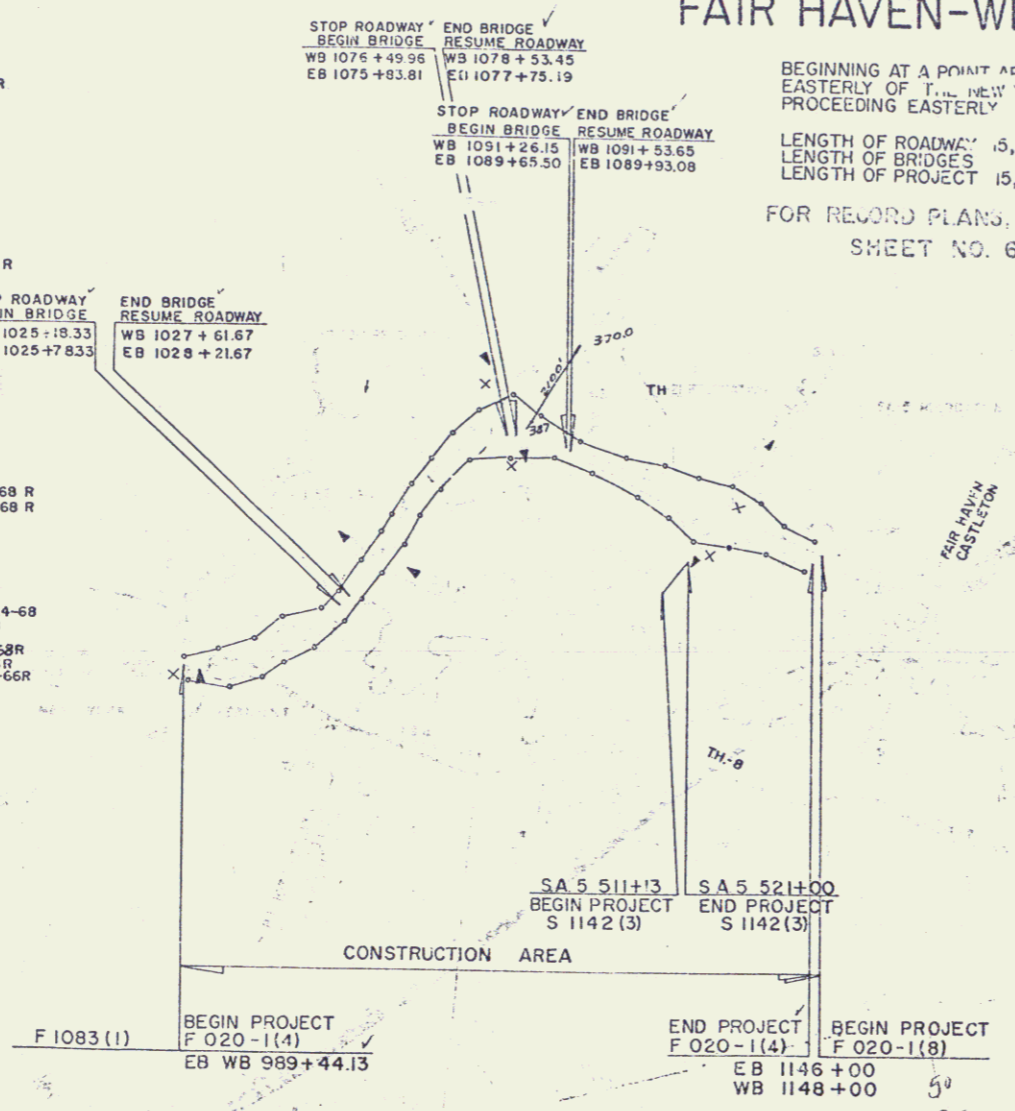
FOR RECORD PLANS, MATERIALS, ETC. SEE
SHEET NO. 6.

PROJECT S 1142 (3)
BEGINNING AT THE POINT OF INTERSECTION OF
U.S. ROUTE 4 AND STATE AID ROUTE 5 AND
PROCEEDING NORTHERLY 0.187 MILES

LENGTH OF PROJECT 987.00 FEET = 0.187 MILES

TRAFFIC DATA				
1965	ADT	150		
1985	ADT	2300		
1985	DHV	315		
	D	54%		
	T	8%		
	V	50 MPH		

INDEX OF SHEETS	
1a	TITLE SHEET
2a	TYPICAL SECTION, BITUMINOUS CONCRETE PAVEMENT, ITEM 361, MOD.
3a	QUANTITY SHEET
4a	DRAINAGE SHEET
5a	GRADE AND EARTHWORK SHEET
6a-9a	PLAN AND PROFILE SHEETS
10a	B-5 TYPICAL SLOPE GRADING
11a-9	ROW DETAIL SHEETS
12a	C-1 CURBS
13a	C-1a CURBS
14a	C-2a SIDEWALK AND DRIVES
15a	C-2b SIDEWALK AND DRIVES
16a	D-2 UNDERDRAIN AND HEADWALLS
17a	D-4 CAST IRON COVERS FOR FLUSHING BASINS
18a	D-8 DROP INLETS
19a	D-9 DROP INLET TOPS
20a	D-10 DROP INLET TOPS
21a	D-11 DETAILS OF GRATES AND COVERS
22a	E-31 FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS
23a	E-32 ROAD CONSTRUCTION APPROACH SIGNS
24a	E-34 ON-PROJECT CONSTRUCTION SIGNS
25a	G-4 WOOD AND STEEL MARKER POSTS
26a	J-1 PROJECT MARKERS, BOUNDARY MARKERS
27a-31a	TRAFFIC SIGNS
32a-40a	SECTIONS
41a	DRAINAGE SECTIONS



FAIR HAVEN, F 020-1(4)
 COUNTY OF RUTLAND, VERMONT
 COUNTY ENGINEER - J. M. LANE
 COUNTY PLANNING - A. S. SPIDLE

APPROVED: *[Signature]*
 DATE: 2-1-67

[Signature]
 10/18/67

[Signature]
 14 Feb 69

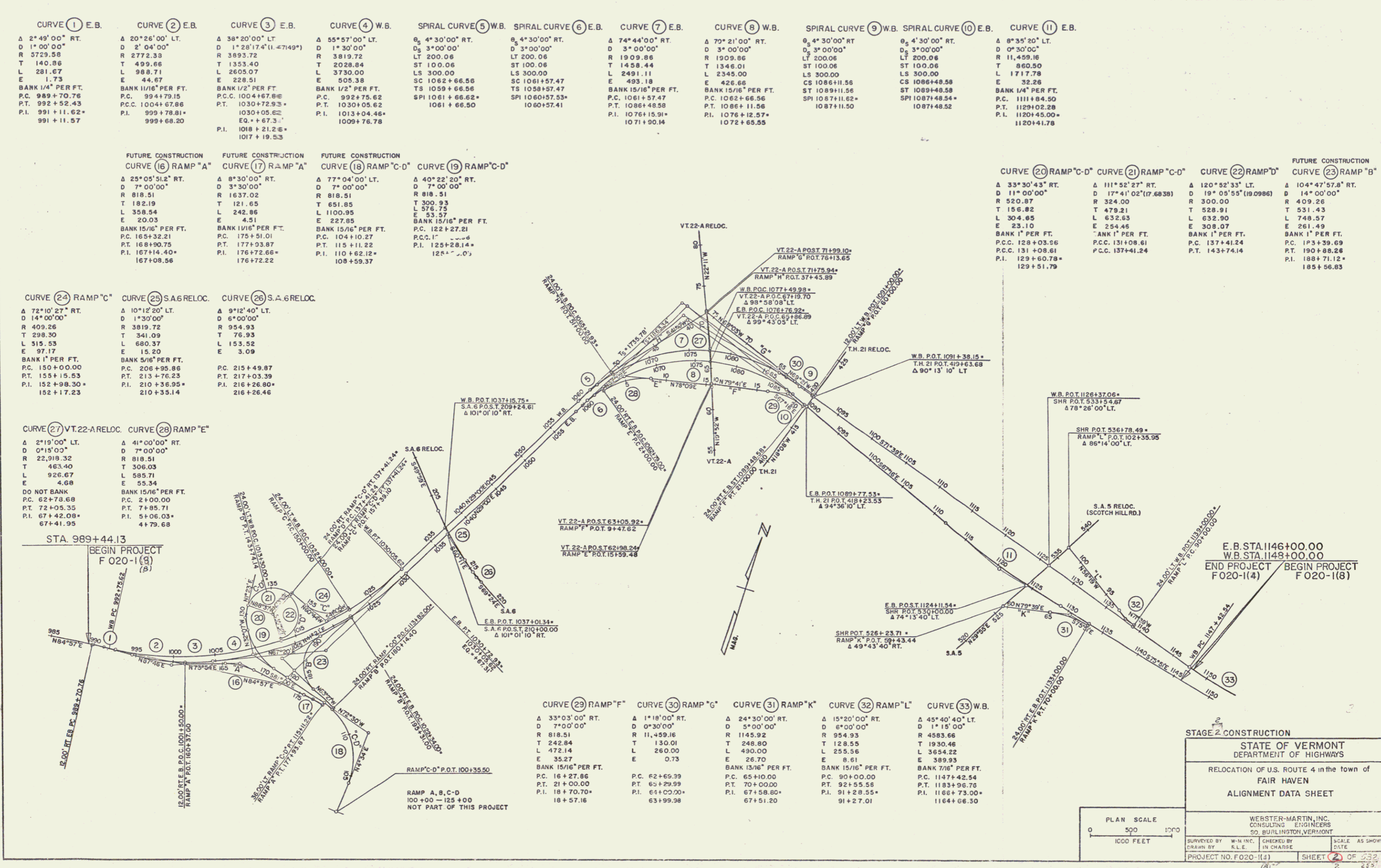
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 10/18/67

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 10/18/67

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 10/18/67

Permitted To R.O.W. Division
 10/31/67

532



CURVE 1 E.B.	CURVE 2 E.B.	CURVE 3 E.B.	CURVE 4 W.B.	SPIRAL CURVE 5 W.B.	SPIRAL CURVE 6 E.B.	CURVE 7 E.B.	CURVE 8 W.B.	SPIRAL CURVE 9 W.B.	SPIRAL CURVE 10 E.B.	CURVE 11 E.B.
Δ 2°49'00" RT. D 1'00'00" R 3729.58 T 140.86 L 281.67 E 1.73 BANK 1/4" PER FT. P.C. 989+70.76 P.T. 992+52.43 P.I. 991+11.52 991+11.57	Δ 20°26'00" LT. D 2'04'00" R 2772.33 T 499.66 L 988.71 E 44.67 BANK 1/16" PER FT. P.C. 994+79.15 P.T. 1004+67.86 P.I. 999+78.81 999+68.20	Δ 38°20'00" LT. D 1°28'17.4" (1.47149°) R 3893.72 T 1353.40 L 2605.07 E 228.51 BANK 1/2" PER FT. P.C.C. 1004+67.86 P.T. 1030+72.93 1030+05.62 EQ. +67.3 P.I. 1018+21.26 1017+19.53	Δ 55°57'00" LT. D 1°30'00" R 3819.72 T 2028.84 L 3730.00 E 505.38 BANK 1/2" PER FT. P.C. 992+75.62 P.T. 1030+05.62 P.I. 1013+04.46 1009+76.78	Δ 4°30'00" RT. D 3°00'00" R 200.06 LT 200.06 ST 100.06 LS 300.00 SC 1062+66.56 SPI 1061+66.62 1061+66.50	Δ 4°30'00" RT. D 3°00'00" R 200.06 LT 200.06 ST 100.06 LS 300.00 SC 1061+57.47 SPI 1060+57.53 1060+57.41	Δ 74°44'00" RT. D 3°00'00" R 1909.86 T 1458.44 L 2491.11 E 493.18 BANK 15/16" PER FT. P.C. 1061+57.47 P.T. 1086+48.58 P.I. 1076+15.91 1071+50.14	Δ 70°21'00" RT. D 3°00'00" R 1909.86 T 1346.01 L 2345.00 E 426.66 BANK 15/16" PER FT. P.C. 1062+66.56 P.T. 1086+48.58 P.I. 1076+15.91 1072+65.55	Δ 4°30'00" RT. D 3°00'00" R 200.06 LT 200.06 ST 100.06 LS 300.00 CS 1086+48.58 ST 1089+11.56 SPI 1087+11.62 1087+11.50	Δ 4°30'00" RT. D 3°00'00" R 200.06 LT 200.06 ST 100.06 LS 300.00 CS 1086+48.58 ST 1089+11.56 SPI 1087+11.62 1087+11.50	Δ 0°35'20" LT. D 0°00'00" R 11,459.16 T 860.50 L 1717.78 E 32.28 BANK 1/4" PER FT. P.C. 1111+84.50 P.T. 1129+02.28 P.I. 1120+45.00 1120+41.78

FUTURE CONSTRUCTION CURVE 16 RAMP "A"	FUTURE CONSTRUCTION CURVE 17 RAMP "A"	FUTURE CONSTRUCTION CURVE 18 RAMP "C-D"	CURVE 19 RAMP "C-D"	CURVE 20 RAMP "C-D"	CURVE 21 RAMP "C-D"	CURVE 22 RAMP "D"	FUTURE CONSTRUCTION CURVE 23 RAMP "B"
Δ 25°05'51.2" RT. D 11°00'00" R 818.51 T 182.19 L 358.54 E 20.03 BANK 15/16" PER FT. P.C. 165+32.21 P.T. 168+90.75 P.I. 167+14.40 167+08.56	Δ 8°30'00" RT. D 3°30'00" R 1637.02 T 121.65 L 242.86 E 4.51 BANK 1/16" PER FT. P.C. 175+51.01 P.T. 177+93.87 P.I. 176+72.66 176+72.22	Δ 77°04'00" LT. D 7°00'00" R 818.51 T 651.85 L 1100.95 E 227.85 BANK 15/16" PER FT. P.C. 104+10.27 P.T. 115+11.22 P.I. 110+62.12 108+59.37	Δ 40°22'20" RT. D 7°00'00" R 818.51 T 300.93 L 576.75 E 53.57 BANK 15/16" PER FT. P.C. 122+27.21 P.T. 125+28.14 P.I. 124+0.00 124+0.00	Δ 33°30'43" RT. D 11°00'00" R 520.87 T 156.82 L 304.85 E 23.10 BANK 1" PER FT. P.C.C. 128+03.56 P.C. 131+08.61 P.I. 129+60.78 129+51.79	Δ 111°52'27" RT. D 17°41'02" (17.6839°) R 324.00 T 479.21 L 632.63 E 254.45 BANK 1" PER FT. P.C.C. 131+08.61 P.C. 137+41.24 P.T. 143+74.14	Δ 120°52'33" LT. D 19°05'55" (19.0986°) R 300.00 T 528.91 L 632.90 E 308.07 BANK 1" PER FT. P.C. 137+41.24 P.T. 143+74.14	Δ 104°47'57.8" RT. D 14°00'00" R 409.26 T 531.43 L 748.57 E 261.49 BANK 1" PER FT. P.C. 137+41.24 P.T. 180+88.26 P.I. 188+71.12 185+56.83

CURVE 24 RAMP "C"	CURVE 25 S.A.6 RELOC.	CURVE 26 S.A.6 RELOC.
Δ 72°10'27" RT. D 14°00'00" R 409.26 T 298.30 L 515.53 E 97.17 BANK 1" PER FT. P.C. 150+00.00 P.T. 155+15.53 P.I. 152+98.30 152+17.23	Δ 10°12'20" LT. D 1°30'00" R 3819.72 T 341.09 L 680.37 E 15.20 BANK 5/16" PER FT. P.C. 206+95.86 P.T. 213+76.23 P.I. 210+36.95 210+35.14	Δ 9°12'40" LT. D 1°30'00" R 3819.72 T 341.09 L 680.37 E 15.20 BANK 5/16" PER FT. P.C. 215+49.87 P.T. 217+03.39 P.I. 216+26.80 216+26.46

CURVE 27 VT.22-A RELOC.	CURVE 28 RAMP "E"
Δ 2°19'00" LT. D 0°15'00" R 22,918.32 T 463.40 L 926.67 E 4.68 DO NOT BANK P.C. 62+78.68 P.T. 72+05.35 P.I. 67+42.08 67+41.95	Δ 41°00'00" RT. D 7°00'00" R 818.51 T 306.03 L 595.71 E 55.34 BANK 15/16" PER FT. P.C. 2100.00 P.T. 74+85.71 P.I. 51.06 41.79.68

CURVE 29 RAMP "F"	CURVE 30 RAMP "G"	CURVE 31 RAMP "K"	CURVE 32 RAMP "L"	CURVE 33 W.B.
Δ 33°03'00" RT. D 7°00'00" R 818.51 T 242.84 L 472.14 E 35.27 BANK 15/16" PER FT. P.C. 16+27.86 P.T. 21+00.00 P.I. 18+70.70 18+57.16	Δ 1°18'00" RT. D 0°30'00" R 11,459.16 T 130.01 L 260.00 E 0.73 P.C. 62+65.39 P.T. 65+29.99 P.I. 64+02.00 63+99.98	Δ 24°30'00" RT. D 5°00'00" R 1145.92 T 248.80 L 490.00 E 26.70 BANK 15/16" PER FT. P.C. 65+10.00 P.T. 70+00.00 P.I. 67+58.80 67+51.20	Δ 15°20'00" RT. D 8°00'00" R 954.93 T 128.55 L 255.56 E 8.61 BANK 15/16" PER FT. P.C. 90+00.00 P.T. 92+55.56 P.I. 91+28.55 91+27.01	Δ 45°40'40" LT. D 1°15'00" R 4583.66 T 1930.46 L 3654.22 E 389.93 BANK 7/16" PER FT. P.C. 1147+42.54 P.T. 1183+96.76 P.I. 1166+73.00 1164+66.30

STAGE 2 CONSTRUCTION

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

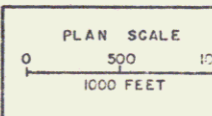
RELOCATION OF U.S. ROUTE 4 in the town of
FAIR HAVEN

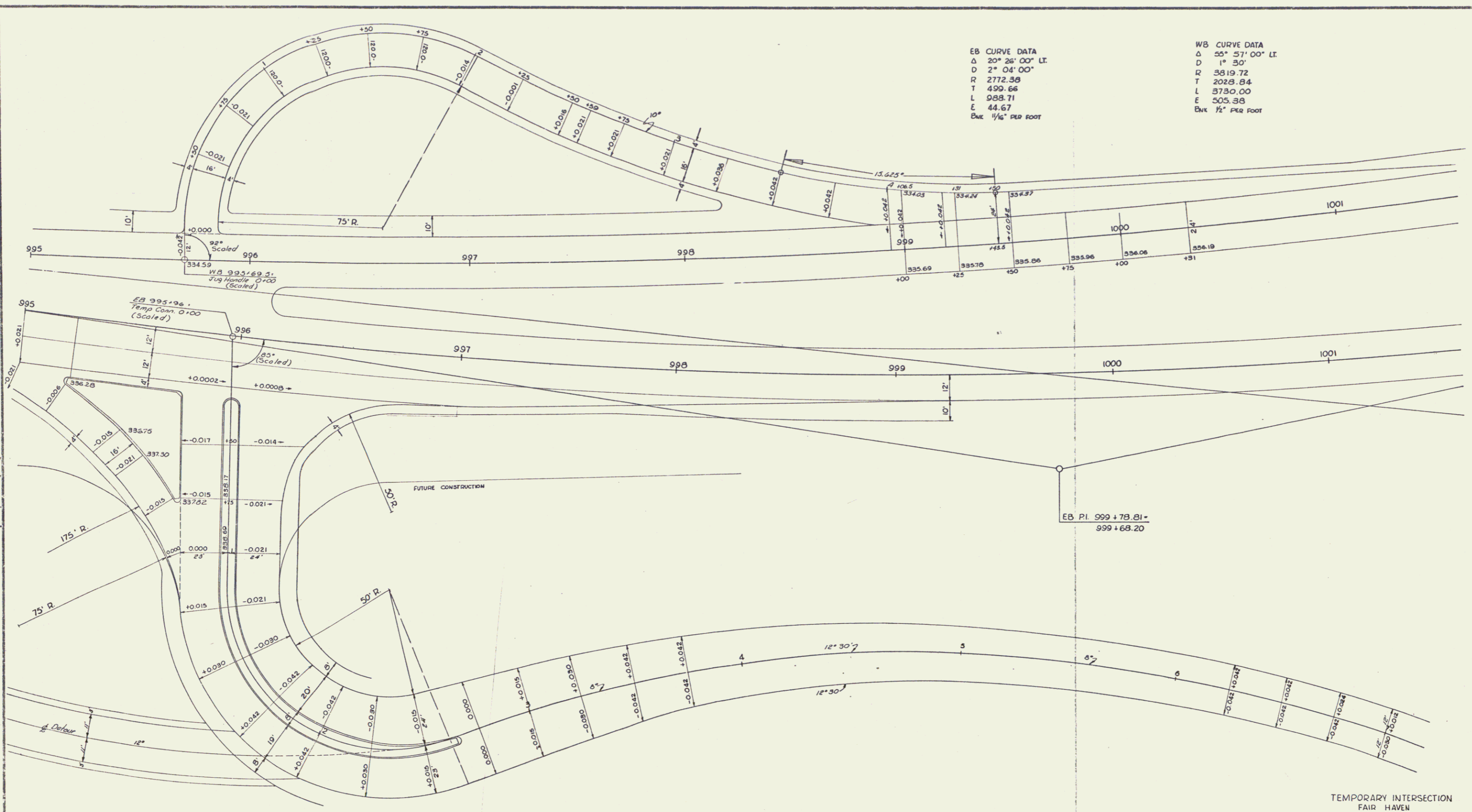
ALIGNMENT DATA SHEET

WEBSTER-MARTIN, INC.
ENGINEERS
50 BURLINGTON, VERMONT

SURVEYED BY W-M INC. CHECKED BY R.L.E. SCALE AS SHOWN
DRAWN BY K.L.E. IN CHARGE DATE

PROJECT NO. F020-1(4) SHEET 2 OF 22





EB CURVE DATA
 Δ 20° 26' 00" LT.
 D 2° 04' 00"
 R 2772.38
 T 499.66
 L 988.71
 E 44.67
 Bk 1/4" PER FOOT

WB CURVE DATA
 Δ 55° 57' 00" LT.
 D 1° 30"
 R 3819.72
 T 2028.84
 L 3730.00
 E 505.38
 Bk 1/2" PER FOOT

EB 995+96.1
 Temp Conn. 0+00
 (Scaled)

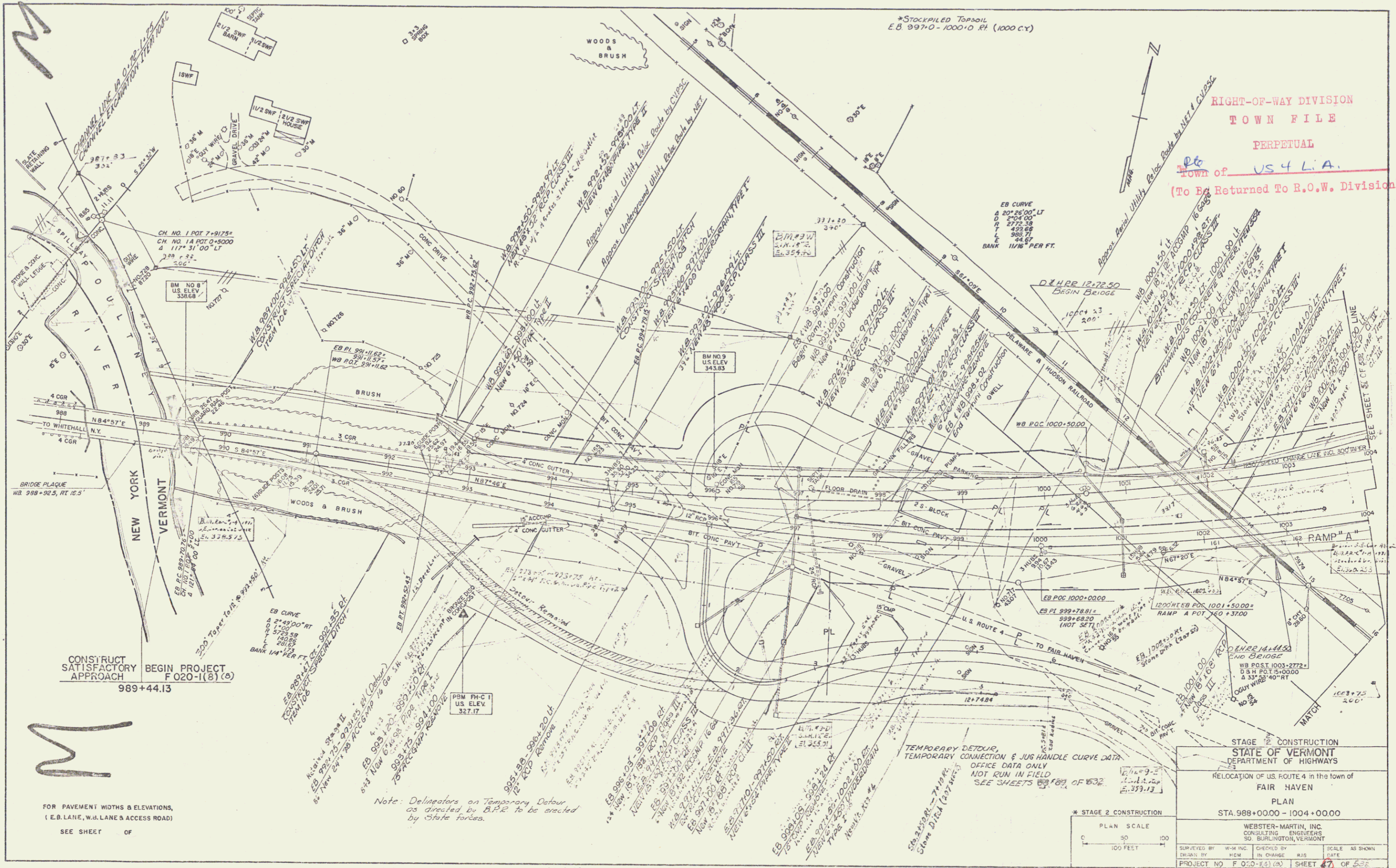
75' R.
 175' R.

FUTURE CONSTRUCTION

EB PI. 999+78.81-
 999+68.20

TEMPORARY INTERSECTION
 FAIR HAVEN

SURVEYED BY _____	DATE _____
DRAWN BY _____	DATE _____
TRACED BY JANAWICE	DATE 5-69
PROJ. F	NO. 020-1 (4) (6)
SHEET 89	OF 532
130	255
	0-7



CONSTRUCT SATISFACTORY BEGIN PROJECT APPROACH F 020-1(B) (6) 989+44.13

FOR PAVEMENT WIDTHS & ELEVATIONS, (E.B. LANE, W.B. LANE & ACCESS ROAD) SEE SHEET OF

PLAN SCALE
1" = 40' FEET

STAGE 2 CONSTRUCTION			
STATE OF VERMONT DEPARTMENT OF HIGHWAYS			
RELOCATION OF U.S. ROUTE 4 in the town of FAIR HAVEN			
PLAN STA. 989+00.00 - 1004+00.00			
WEBSTER-MARTIN, INC. CONSULTING ENGINEERS 30, BURLINGTON, VERMONT			
SURVEYED BY	W-M INC.	CHECKED BY	IN CHARGE
DRAWN BY	HW	DATE	
PROJECT NO.	F 020-1(B) (6)	SHEET	47 OF 63

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II MOD.		
STATION	STATION	POS
987+65	987+75	LT
987+75	1004+00	RT
989+150	999+25	RT
989+150	1004+00	RT
996+150	1004+10	RT

THREE CABLE GUARD RAIL WITH STEEL POSTS ITEM 542		
STATION	STATION	POS
EB 989+45	991+00	RT
WB 989+40	991+00	LT
EB 995+00	997+00	RT
WB 995+00	997+00	LT

DEMOLITION AND DISPOSAL OF BUILDINGS ITEM 586	
STATION	POS
992+00 - 994+00	RT
WB 998+65	RT

GRANITE SLOPE EDGING ITEM 556-A		
STATION	STATION	POS
EB 995+21	995+80	RT
WB 995+56	997+10	LT

VERTICAL GRANITE CURB ITEM 556-B		
STATION	STATION	POS

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 52		
STATION	STATION	POS
992+55	994+00	RT

REMOVAL AND DISPOSAL OF PRESENT GUARD RAIL ITEM 549		
STATION	STATION	POS
993+00	993+00	LT
993+00	993+00	RT
993+00	993+00	RT

EXCAVATION AND REMOVAL OF ROAD SURFACES AND/OR PAVEMENTS ITEM 119		
STATION	STATION	POS

BITUMINOUS CONCRETE SURFACE FOR GUTTERS AND TRAFFIC ISLANDS ITEM 554 MOD.		
STATION	STATION	POS
EB 995+21	995+80	RT
WB 995+56	997+10	LT

Note: 1000+25 - 1004+00 WBLI.
Property Line Fence to be constructed prior to commencement of other work in this area.

Removal and Reinstalling Three Cable Guard Rail Item 548-B		
Station	Station	Pos
EB 994+50	998+75	RT
WB 994+50	998+75	LT
EB 998+00	998+25	RT
WB 998+00	998+25	LT

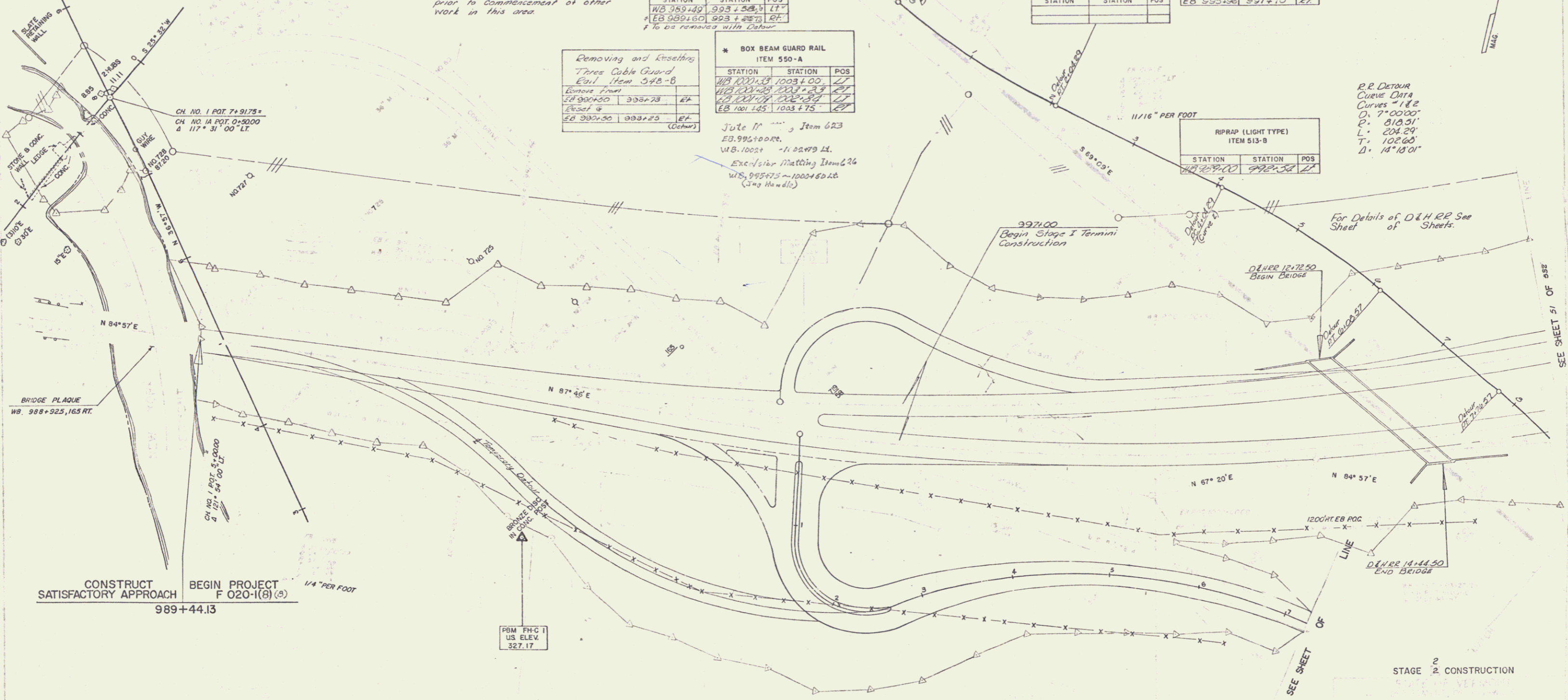
* BOX BEAM GUARD RAIL ITEM 550-A		
STATION	STATION	POS
WB 1000+35	1003+00	LT
WB 1000+35	1003+25	RT
WB 1000+75	1003+50	LT
WB 1001+25	1003+75	RT

July 11 Item 623
EB 995+00 RT.
WB 1002+ - 11 2249 LT.
Excelsior Matting Item 224
WB 995+75 - 1004+60 LT.
(Ang Handls)

RIPRAP (LIGHT TYPE) ITEM 513-B		
STATION	STATION	POS
992+00	992+50	LT

B.P. DETOUR
Curve Data
Curves - 182
D: 7°00'00"
P: 810.51'
L: 204.29'
T: 102.60'
D: 14°18'01"

FOR LOCATION OF PROPERTY LINE FENCE SEE R.O.W. PLANS FOR THIS PROJECT



CONSTRUCT SATISFACTORY APPROACH
989+44.13

BEGIN PROJECT
F 020-1(1)(B)(5)

FOR PAVEMENT WIDTHS AND ELEVATIONS,
(EB LANE, WB LANE AND TEMPORARY CONNECTOR)
SEE SHEETS 48 & 49 OF 52

* STAGE 2 CONSTRUCTION
PLAN SCALE
0 50 100
100 FEET

STAGE 2 CONSTRUCTION
RELOCATION OF U.S. ROUTE 4 in the town of
FAIR HAVEN
PLAN
STA 988+00.00 - 1004+00.00

HCM F 020-1(1)(B) HAS 48 52 255

Ramp B 184+00 - 188+00
 Ramp A 168+00 - 171+00
 Not Part of this Project

Ramp C 153+85 - 154+00
 Ramp CD 124+00 - 127+00
 Items Above Subgrade
 Not Part of this Project

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512		
STATION	STATION	POS
1016+00	1020+00	RT

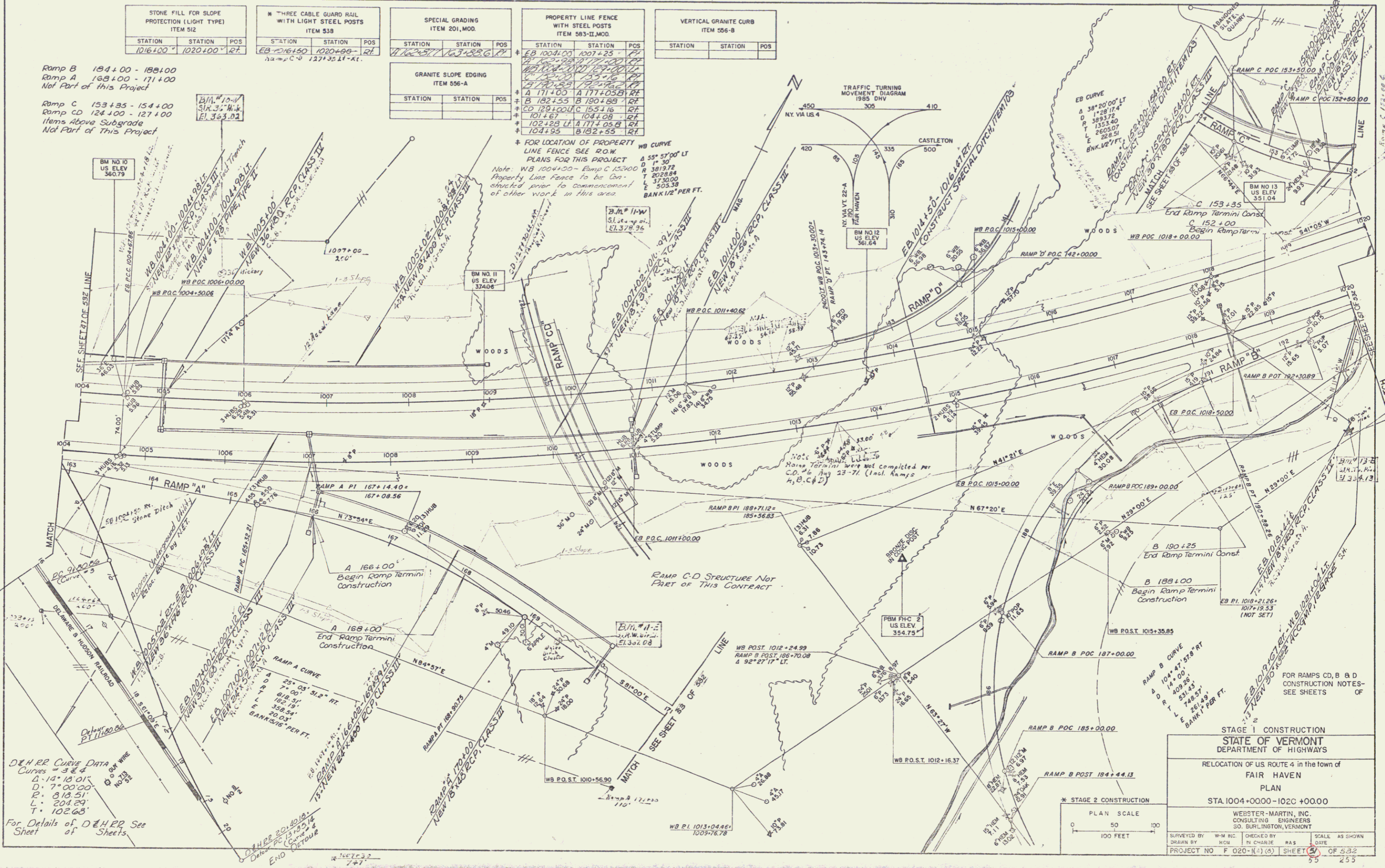
THREE CABLE GUARD RAIL WITH LIGHT STEEL POSTS ITEM 538		
STATION	STATION	POS
EB 124+50	1020+88	RT

SPECIAL GRADING ITEM 201, MOD.		
STATION	STATION	POS
1016+57	1017+88	RT

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II, MOD.		
STATION	STATION	POS
EB 1004+00	1007+25	RT

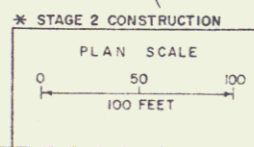
VERTICAL GRANITE CURB ITEM 556-B		
STATION	STATION	POS

GRANITE SLOPE EDGING ITEM 556-A		
STATION	STATION	POS



D&H RR Curve Data
 Curves = 3 & 4
 Δ = 14°18'01"
 D = 7°00'00"
 R = 918.51'
 L = 204.29'
 T = 102.63'

For Details of D&H RR See Sheet of



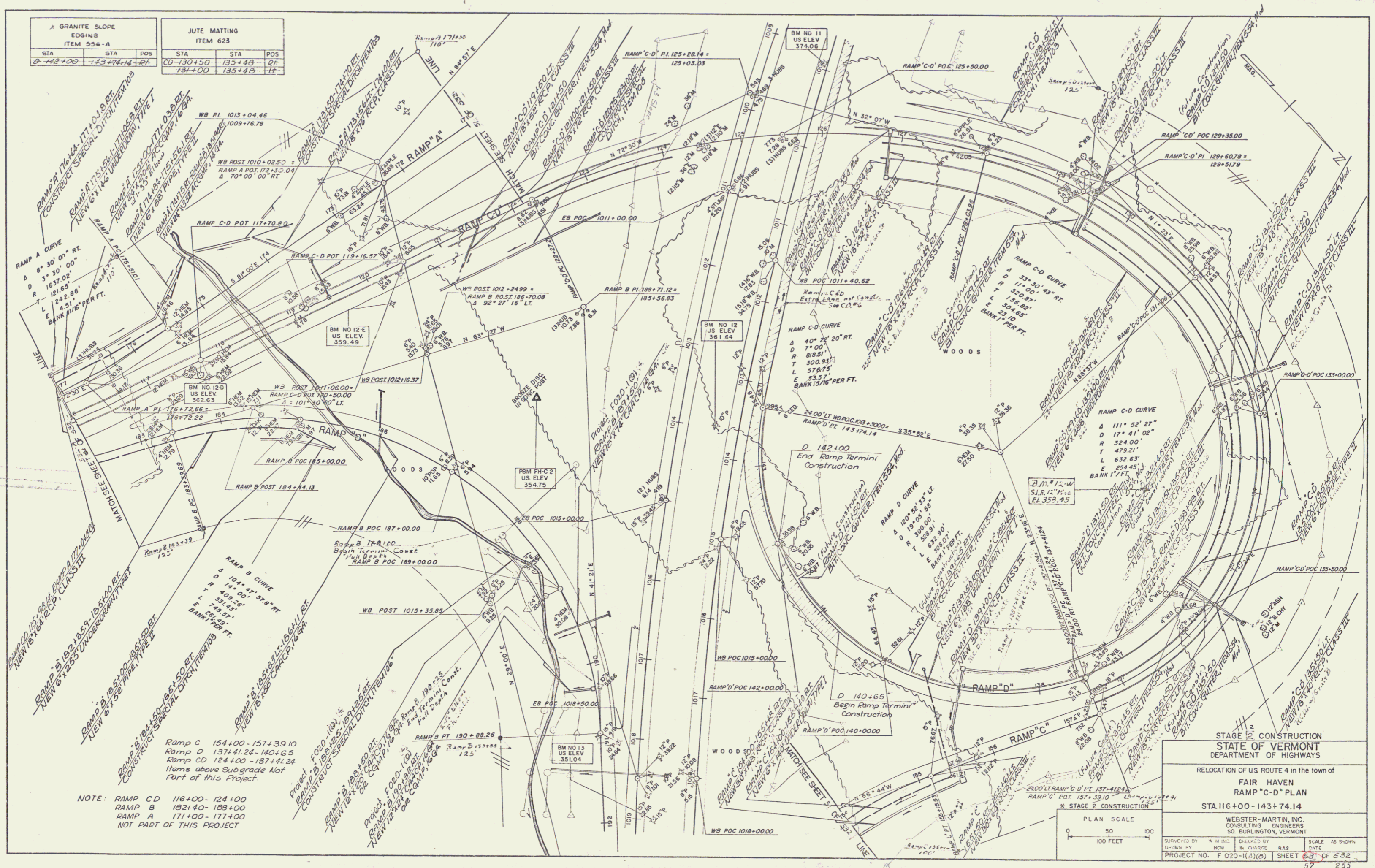
STAGE 1 CONSTRUCTION
 STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS

RELOCATION OF US ROUTE 4 in the town of
 FAIR HAVEN
 PLAN
 STA. 1004+00.00 - 1020+00.00

WESTER-MARTIN, INC.
 CONSULTING ENGINEERS
 50 BURLINGTON, VERMONT

SUPERVISED BY: W.M. MC... DRAWN BY: HCU... PROJECT NO. F 020-(K4)(5) SHEET 55 OF 532

GRANITE SLOPE EDGING ITEM 554-A			JUTE MATTING ITEM 625		
STA	STA	POS	STA	STA	POS
171+00	173+74.14	RT	130+50	135+48	RT
			131+00	135+48	LT



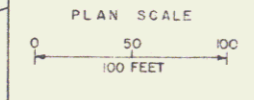
NOTE: RAMP C-D 116+00 - 124+00
 RAMP B 132+40 - 138+00
 RAMP A 171+00 - 177+00
 NOT PART OF THIS PROJECT

STAGE 2 CONSTRUCTION
 STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS

RELOCATION OF U.S. ROUTE 4 in the town of
 FAIR HAVEN
 RAMP "C-D" PLAN
 STA 116+00 - 143+74.14

WEBSTER-MARTIN, INC.
 CONSULTING ENGINEERS
 50 BURLINGTON, VERMONT

PROJECT NO. F 025-1(A)(C) SHEET 63 OF 532
 DATE 5/78



GRANITE SLOPE EDGING ITEM 556-A		
STATION	STATION	POS

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512		
STATION	STATION	POS
EB 1020+00	1020+00	LT
EB 1020+00	1020+00	RT
WB 1020+00	1020+00	LT
WB 1020+00	1020+00	RT

THREE CABLE GUARD RAIL * WITH LIGHT STEEL POSTS ITEM 538		
STATION	STATION	POS
EB 1020+00	1020+00	LT
EB 1020+00	1020+00	RT
WB 1020+00	1020+00	LT
WB 1020+00	1020+00	RT

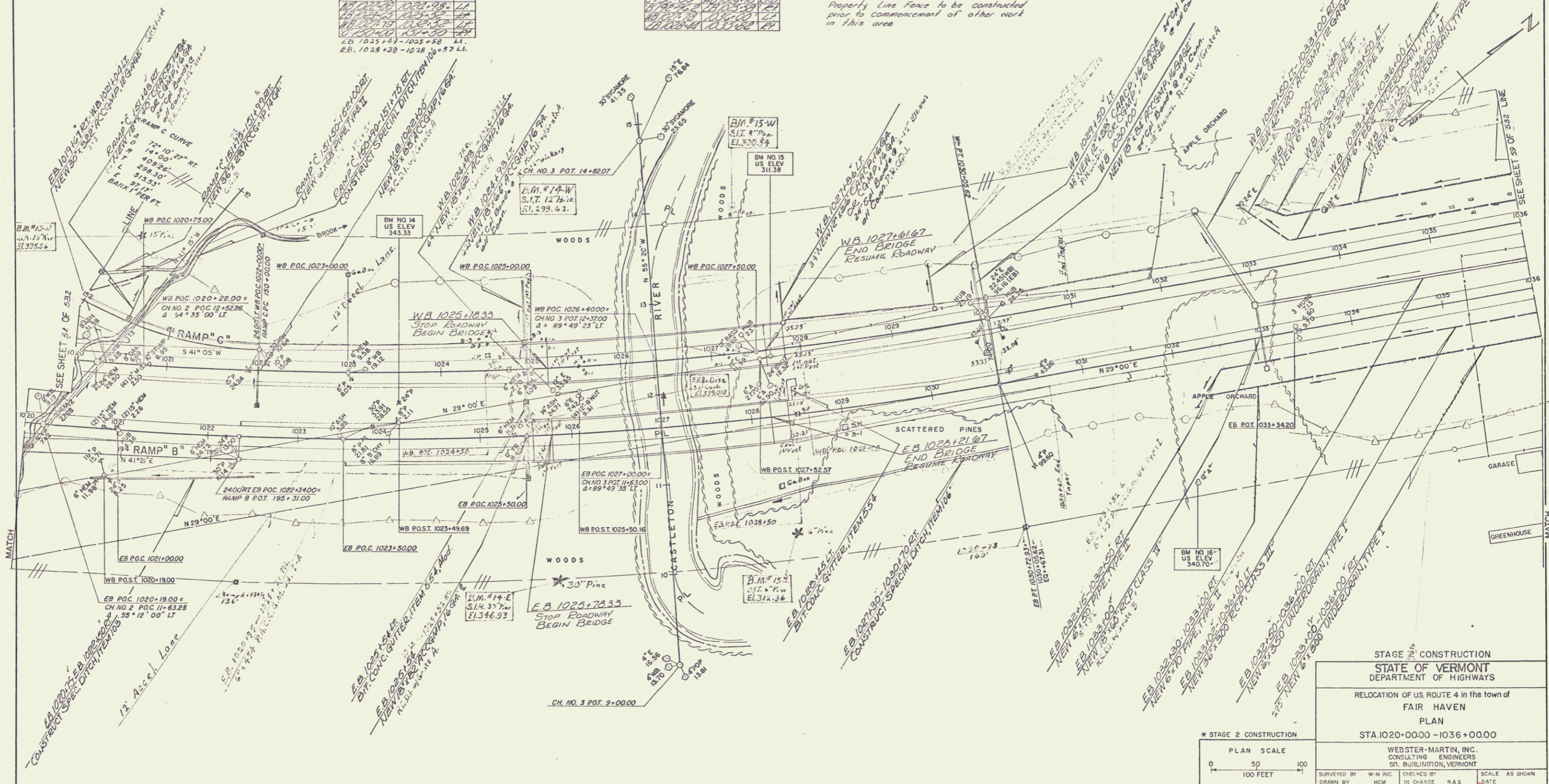
JUTE MATTING ITEM 623		
STATION	STATION	POS
EB 1020+00	1020+00	LT
EB 1020+00	1020+00	RT
WB 1020+00	1020+00	LT
WB 1020+00	1020+00	RT

* BRIDGE RAILING (FOR BRIDGE APPROACHES) ITEM 572		
STA	STA	POS
EB 1023+31	1023+56	RT
EB 1023+31	1023+56	LT
WB 1023+31	1023+56	LT
WB 1023+31	1023+56	RT

* TREATED TIMBER CURB ITEM 558		
STATION	STATION	POS
EB 1020+00	1020+00	LT
EB 1020+00	1020+00	RT
WB 1020+00	1020+00	LT
WB 1020+00	1020+00	RT

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II, MOD.		
STATION	STATION	POS
EB 1020+00	1020+00	LT
EB 1020+00	1020+00	RT
WB 1020+00	1020+00	LT
WB 1020+00	1020+00	RT

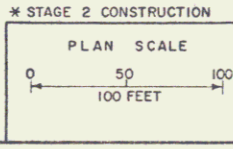
Note Ramp C 1020+00 - WB 1036+00
EB 1034+00 - 1035+00
Property line fence to be constructed prior to commencement of other work in this area.

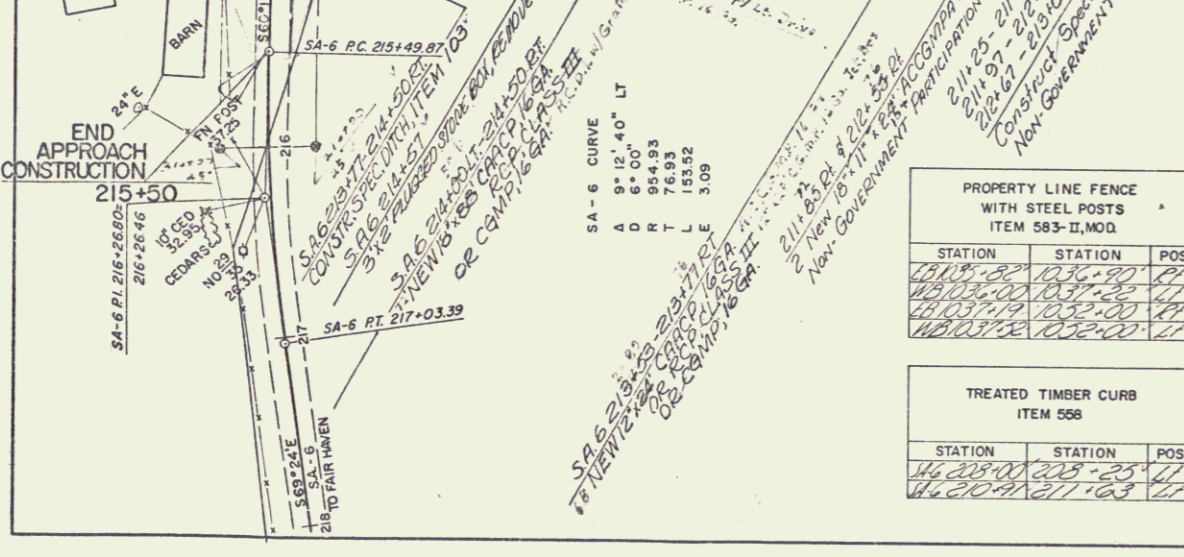
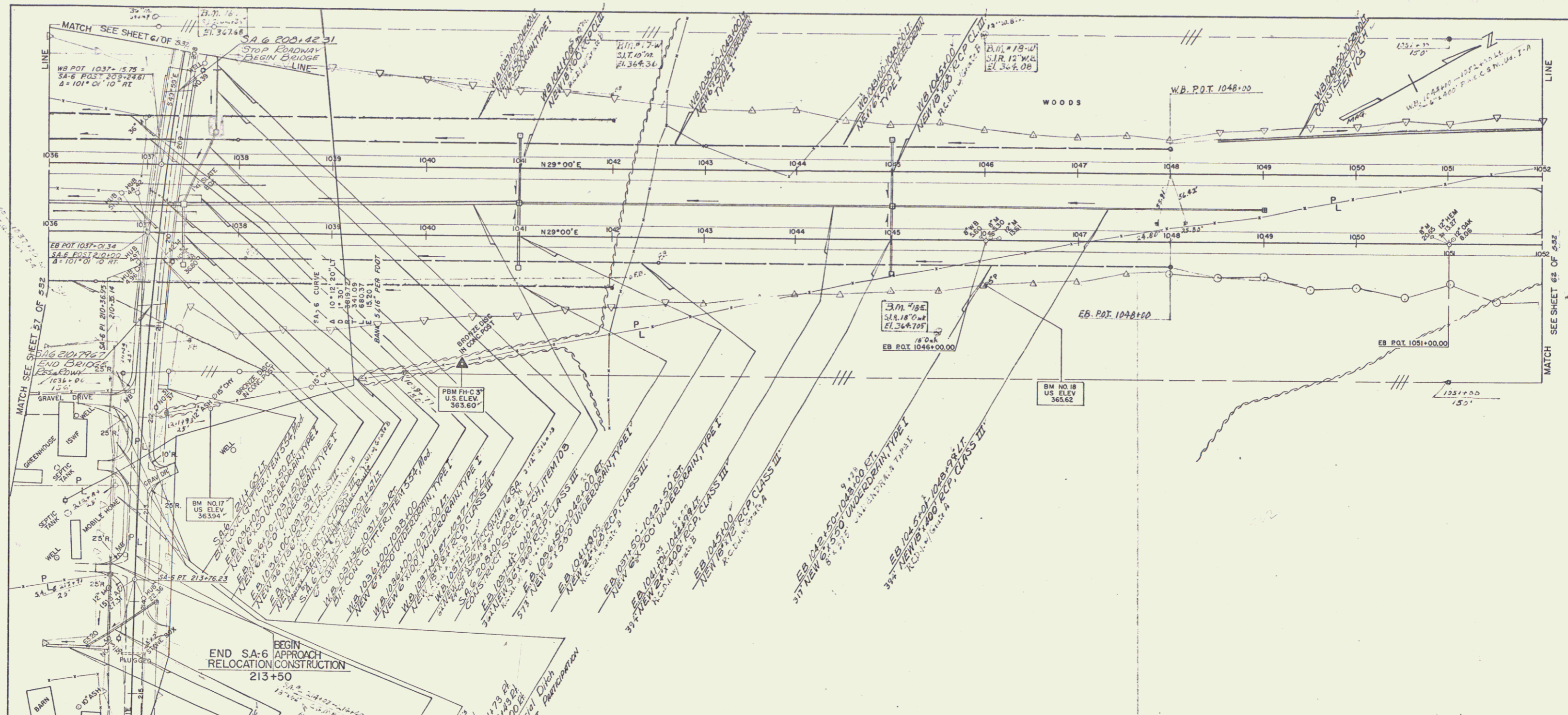


STAGE 2 CONSTRUCTION
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
RELOCATION OF U.S. ROUTE 4 in the town of
FAIR HAVEN
PLAN
STA 1020+00.00 - 1036+00.00

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

SURVEYED BY: W.M. INC. CHECKED BY: H.C.M. IN CHARGE: R.A.S. DATE: AS SHOWN
DRAWN BY: H.C.M. IN CHARGE: R.A.S. DATE: 6/27/53
PROJECT NO. F 020-K(1)(A) SHEET 67 OF 233





CONSTRUCT DRIVE		
STATION	POS	
1036+00	215+50	LF
1036+00	214+30	LF
1036+00	213+50	LF

JUTE MATTING		
STATION	STATION	POS
1036+00	1037+25	LF
1036+00	1038+25	LF
1036+00	1039+25	LF
1036+00	1040+25	LF
1036+00	1041+25	LF
1036+00	1042+25	LF
1036+00	1043+25	LF
1036+00	1044+25	LF
1036+00	1045+25	LF
1036+00	1046+25	LF
1036+00	1047+25	LF
1036+00	1048+25	LF
1036+00	1049+25	LF
1036+00	1050+25	LF
1036+00	1051+25	LF
1036+00	1052+25	LF

CONSTRUCT DRIVE		
STATION	POS	
1036+00	215+50	LF
1036+00	214+30	LF
1036+00	213+50	LF

DEMOLITION AND DISPOSAL OF BUILDING		
STATION	POS	
1036+00	215+50	LF
1036+00	214+30	LF
1036+00	213+50	LF

PROPERTY LINE FENCE WITH STEEL POSTS		
STATION	STATION	POS
1036+00	1037+25	LF
1036+00	1038+25	LF
1036+00	1039+25	LF
1036+00	1040+25	LF
1036+00	1041+25	LF
1036+00	1042+25	LF
1036+00	1043+25	LF
1036+00	1044+25	LF
1036+00	1045+25	LF
1036+00	1046+25	LF
1036+00	1047+25	LF
1036+00	1048+25	LF
1036+00	1049+25	LF
1036+00	1050+25	LF
1036+00	1051+25	LF
1036+00	1052+25	LF

TREATED TIMBER CURB		
STATION	STATION	POS
1036+00	1037+25	LF
1036+00	1038+25	LF
1036+00	1039+25	LF
1036+00	1040+25	LF
1036+00	1041+25	LF
1036+00	1042+25	LF
1036+00	1043+25	LF
1036+00	1044+25	LF
1036+00	1045+25	LF
1036+00	1046+25	LF
1036+00	1047+25	LF
1036+00	1048+25	LF
1036+00	1049+25	LF
1036+00	1050+25	LF
1036+00	1051+25	LF
1036+00	1052+25	LF

TWO CABLE GUARD RAIL		
STATION	STATION	POS
1036+00	1037+25	LF
1036+00	1038+25	LF
1036+00	1039+25	LF
1036+00	1040+25	LF
1036+00	1041+25	LF
1036+00	1042+25	LF
1036+00	1043+25	LF
1036+00	1044+25	LF
1036+00	1045+25	LF
1036+00	1046+25	LF
1036+00	1047+25	LF
1036+00	1048+25	LF
1036+00	1049+25	LF
1036+00	1050+25	LF
1036+00	1051+25	LF
1036+00	1052+25	LF

BITUMINOUS CONCRETE SURFACE FOR GUTTERS		
STA	STA	POS
1036+00	1037+25	LF
1036+00	1038+25	LF
1036+00	1039+25	LF
1036+00	1040+25	LF
1036+00	1041+25	LF
1036+00	1042+25	LF
1036+00	1043+25	LF
1036+00	1044+25	LF
1036+00	1045+25	LF
1036+00	1046+25	LF
1036+00	1047+25	LF
1036+00	1048+25	LF
1036+00	1049+25	LF
1036+00	1050+25	LF
1036+00	1051+25	LF
1036+00	1052+25	LF

* STOCKPILED TOPSOIL
E.B. 1038+00-1048+00 RT (1000 CY)

Note: WB 1036+00 - 1037+25 LF
EB 1035+52 - 1036+00 RT
WB 1037+52 - 1038+00 LF
Property Line Fence to be constructed prior to commencement of other work in this area.

STAGE 2 CONSTRUCTION

PLAN SCALE
0 50 100
100 FEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

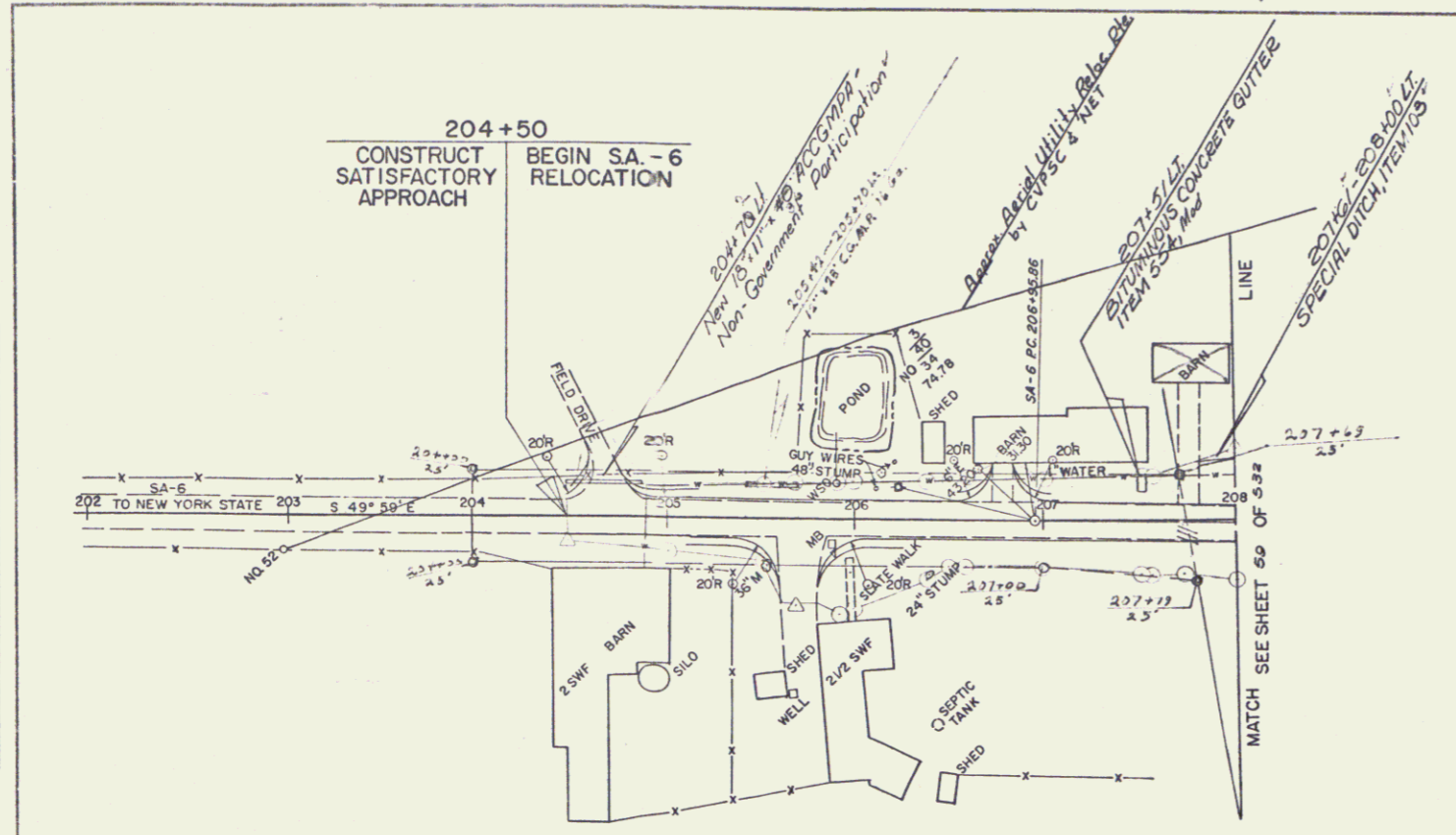
RELOCATION OF US ROUTE 4 in the town of
FAIR HAVEN
PLAN
STA. 1036+00.00 - 1052+00.00

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

SURVEYED BY W.M. INC. CHECKED BY H.C. INC. DATE
DRAWN BY H.C. INC. IN CHARGE R.A.S. DATE

PROJECT NO. F 020-1(4)(5) SHEET 69 OF 532
6R 255

PLAN
 DATE: _____
 BY: _____
 CHECKED BY: _____
 DATE: _____
 NO. _____



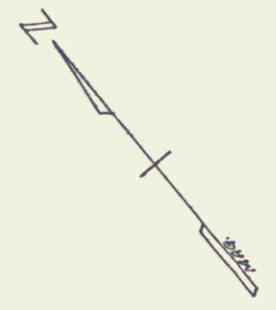
CONSTRUCT DRIVE		
STATION	STATION	POS
204+50	205+00	LT
205+00	205+50	RT
205+50	206+00	LT

TOPSOIL ITEM 621		
STATION	STATION	POS
205+00	206+50	RT

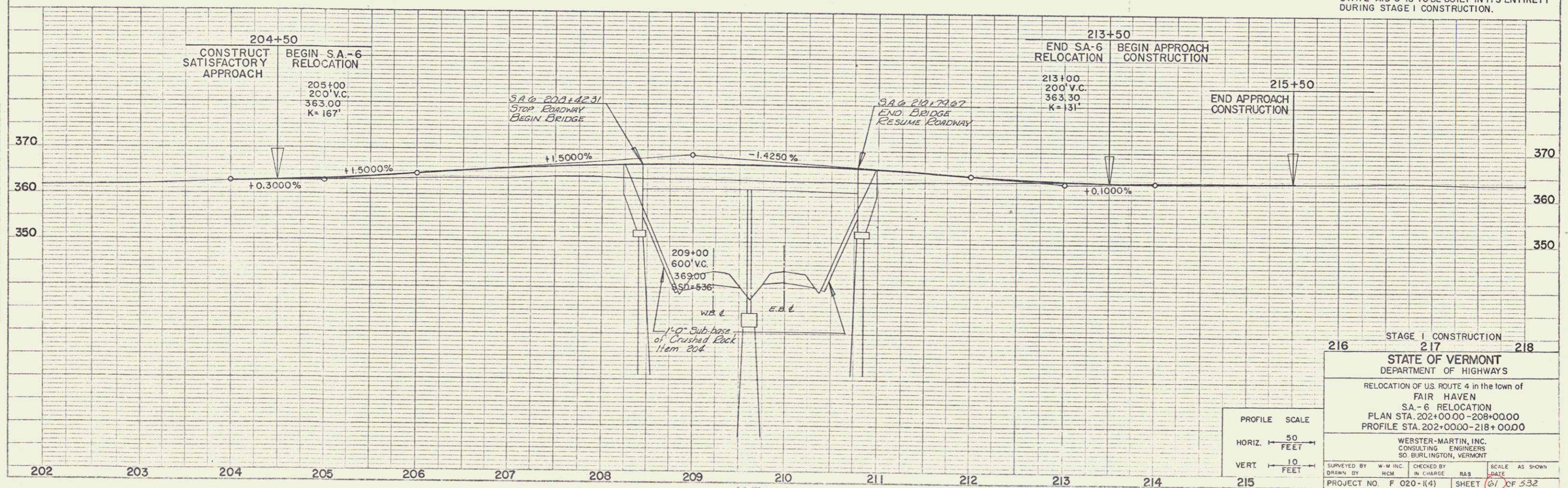
TREATED TIMBER CURB ITEM 558		
STATION	STATION	POS
207+50	208+00	LT

BITUMINOUS CONCRETE SURFACE FOR GUTTERS AND TRAFFIC ISLANDS ITEM 554		
STATION	STATION	POS
207+50	208+00	LT

TWO CABLE GUARD RAIL ITEM 541		
STATION	STATION	POS
207+00	208+00	LT
207+50	208+00	RT



PROFILE
 DATE: _____
 BY: _____
 CHECKED BY: _____
 DATE: _____
 NO. _____



STATE AID 6 IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION.

STAGE I CONSTRUCTION

216 217 218

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS

RELOCATION OF U.S. ROUTE 4 in the town of
 FAIR HAVEN
 SA - 6 RELOCATION
 PLAN STA. 202+00.00 - 208+00.00
 PROFILE STA. 202+00.00 - 218+00.00

WEBSTER-MARTIN, INC.
 CONSULTING ENGINEERS
 50 BURLINGTON, VERMONT

SURVEYED BY: W.M. INC. CHECKED BY: RAS SCALE: AS SHOWN
 DRAWN BY: HCM IN CHARGE: RAS DATE: _____
 PROJECT NO. F 020-(14) SHEET 61 OF 532

STATE 1. PROFILE
 48 PLS. IMPRINT

Note WB 1052+00-1057+50
Property Line Fence to be
constructed prior to commencement
of other work in this area.

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II MOD			
STATION	POS	STATION	POS
1052+00	11.00	1053+00	11.00
1053+00	11.00	1054+00	11.00
1054+00	11.00	1055+00	11.00
1055+00	11.00	1056+00	11.00
1056+00	11.00	1057+00	11.00

TREATED TIMBER CURB ITEM 556			
STATION	STATION	POS	POS
1052+00	1053+00	11.00	11.00
1053+00	1054+00	11.00	11.00
1054+00	1055+00	11.00	11.00
1055+00	1056+00	11.00	11.00
1056+00	1057+00	11.00	11.00

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512			
STATION	STATION	POS	POS
1052+00	1053+00	11.00	11.00
1053+00	1054+00	11.00	11.00
1054+00	1055+00	11.00	11.00
1055+00	1056+00	11.00	11.00
1056+00	1057+00	11.00	11.00

*CONSTRUCT "U" TURN
EB 1052+20 LT

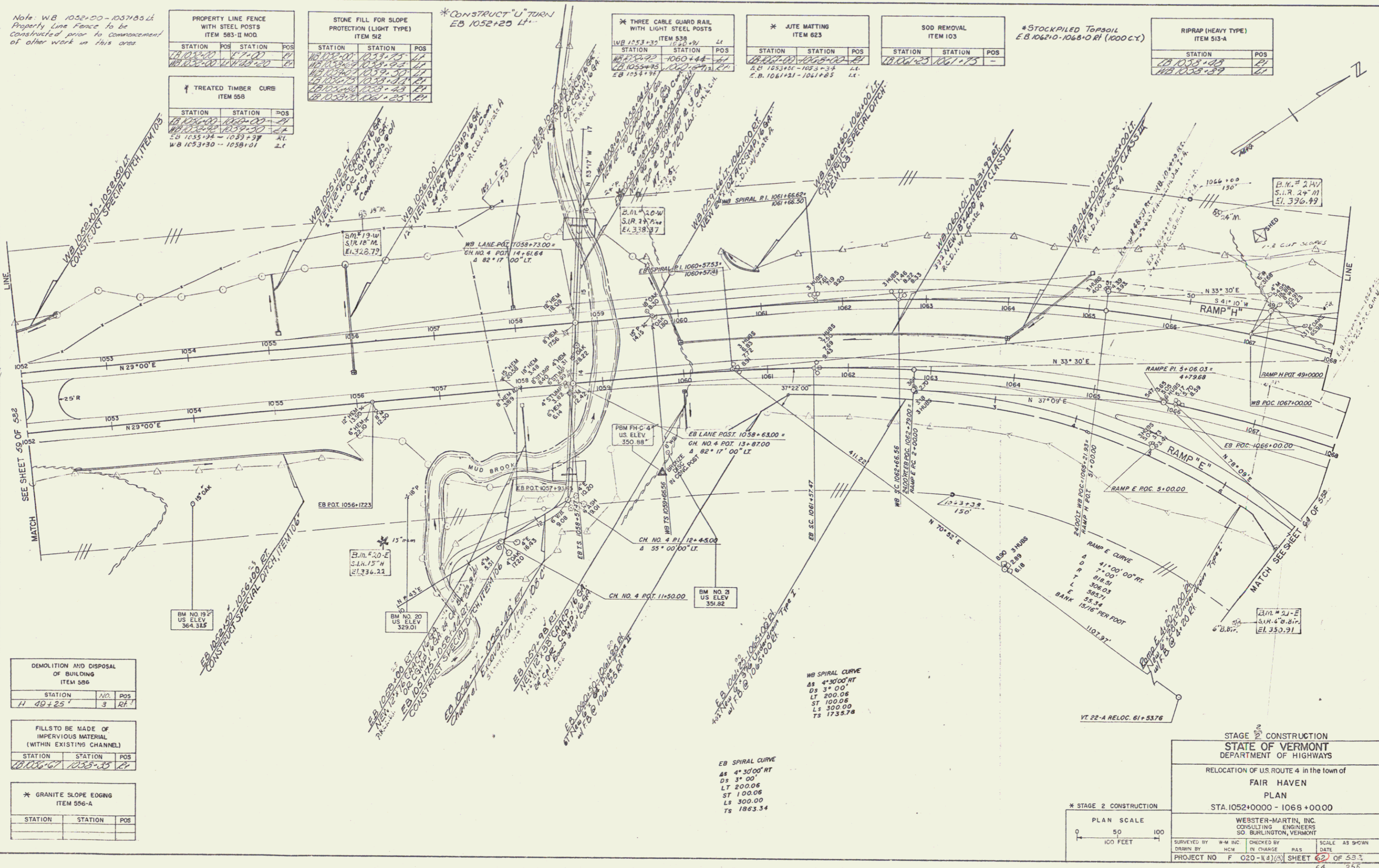
THREE CABLE GUARD RAIL WITH LIGHT STEEL POSTS ITEM 538			
STATION	STATION	POS	POS
1052+00	1060+00	11.00	11.00
1060+00	1065+00	11.00	11.00
1065+00	1070+00	11.00	11.00
1070+00	1075+00	11.00	11.00

JUTE MATTING ITEM 623			
STATION	STATION	POS	POS
1052+00	1065+00	11.00	11.00
1065+00	1075+00	11.00	11.00

SOD REMOVAL ITEM 103			
STATION	STATION	POS	POS
1052+00	1061+75	11.00	11.00

*STOCKPILED TOPSOIL
EB 1062+00-1068+00 (1000 CY)

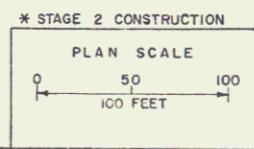
RIPRAP (HEAVY TYPE) ITEM 513-A			
STATION	STATION	POS	POS
1052+00	1053+00	11.00	11.00
1053+00	1054+00	11.00	11.00



DEMOLITION AND DISPOSAL OF BUILDING ITEM 586			
STATION	NO.	POS.	POS.
11 40+25	3	RT	

FILLS TO BE MADE OF IMPERVIOUS MATERIAL (WITHIN EXISTING CHANNEL)			
STATION	STATION	POS	POS
1052+00	1053+35	11	11

* GRANITE SLOPE EDGING ITEM 556-A			
STATION	STATION	POS	POS



STAGE 2 CONSTRUCTION
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

RELOCATION OF U.S. ROUTE 4 in the town of
FAIR HAVEN
PLAN
STA. 1052+0000 - 1068+0000

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

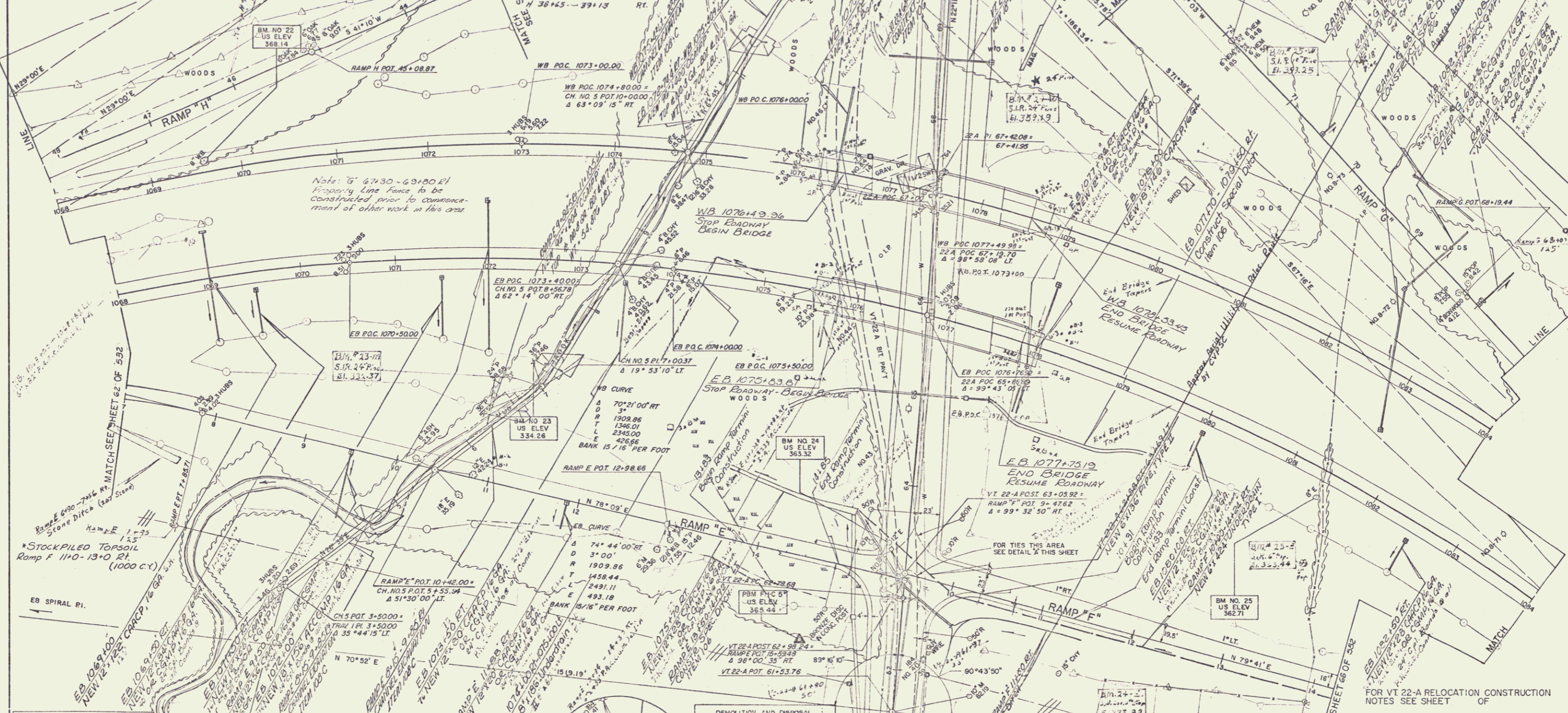
SURVEYED BY: M.M. INC. CHECKED BY: R.A.S. SCALE: AS SHOWN
DRAWN BY: HCN IN CHARGE: R.A.S. DATE: 6/2/53
PROJECT NO: F 020-114(3) SHEET: 64 OF 533
64 253

RIPRAP (HEAVY TYPE) ITEM 503-A		
STATION	POS	
WB 1075+21	41	
WB 1075+41	41	
WB 1075+61	41	
WB 1075+81	41	
WB 1075+101	41	
WB 1075+121	41	
WB 1075+141	41	
WB 1075+161	41	
WB 1075+181	41	
WB 1075+201	41	

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 503-B, MOD.		
STATION	STATION	POS
7+00	8+25	41
7+35	8+25	41
6+75	8+25	41

TREATED TIMBER CURB ITEM 558		
STATION	STATION	POS
WB 1075+21	1075+81	41
WB 1075+41	1075+81	41
WB 1075+61	1075+81	41
WB 1075+81	1075+81	41
WB 1075+101	1075+81	41
WB 1075+121	1075+81	41
WB 1075+141	1075+81	41
WB 1075+161	1075+81	41
WB 1075+181	1075+81	41
WB 1075+201	1075+81	41

SPECIAL GRADING ITEM 103		
STA	STA	POS
H 47+00	48+18.8	41



THREE CABLE GUARD RAIL WITH LIGHT STEEL POSTS ITEM 538		
STATION	STATION	POS
EB 1068+205	1078+025	01
EB 1078+50	1084+00	01
WB 1071+00	1075+143	41
G 67+27	73+00	01
E 2400+75	1124+18.87	01
E 7130+1	18150+00	41
EB 1077+22	1083+50	41
G 75+73	102+02	01

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512		
STATION	STATION	POS
WB 1063+25	1067+25	41
WB 1073+01	1073+25	41
WB 1073+25	1073+25	41
WB 1073+50	1073+25	41
WB 1073+75	1073+25	41
WB 1073+100	1073+25	41
WB 1073+125	1073+25	41
WB 1073+150	1073+25	41
WB 1073+175	1073+25	41
WB 1073+200	1073+25	41

BRIDGE RAILING (FOR BRIDGE APPROACHES) ITEM 572		
STATION	STATION	POS
EB 1073+61	1075+26	41
EB 1073+84	1075+70	41
EB 1077+84	1079+96.3	41
EB 1077+84	1079+96.3	41
EB 1077+84	1079+96.3	41
WB 1075+143	1076+40	41
WB 1075+143	1076+40	41
WB 1075+143	1076+40	41
WB 1075+143	1076+40	41
WB 1075+143	1076+40	41
WB 1075+143	1076+40	41



DEMOLITION AND DISPOSAL OF BUILDING ITEM 596		
STATION	NO	POS
WB 1077+30	4	41
WB 1080+00	4	41

JUTE MATTING ITEM 623		
STATION	STATION	POS
EB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41

CHAIN LINK FENCE 6' HIGH		
STATION	STATION	POS
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41

STAGE 2 CONSTRUCTION		
STATION	STATION	POS
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41
WB 1075+21	1075+25	41

FOR VT 22-A RELOCATION CONSTRUCTION NOTES SEE SHEET OF

STAGE 2 CONSTRUCTION
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

RELOCATION OF US ROUTE 4 in the town of FAIR HAVEN

PLAN
STA. 1068+00.00 - 1084+00.00

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

SURVEYED BY: W-M INC. CHECKED BY: TJS SCALE AS SHOWN
DRAWN BY: MCM IN CHARGE: RAS DATE: 11/73
PROJECT NO. F020-1(4) (5) SHEET 66 OF 63-3

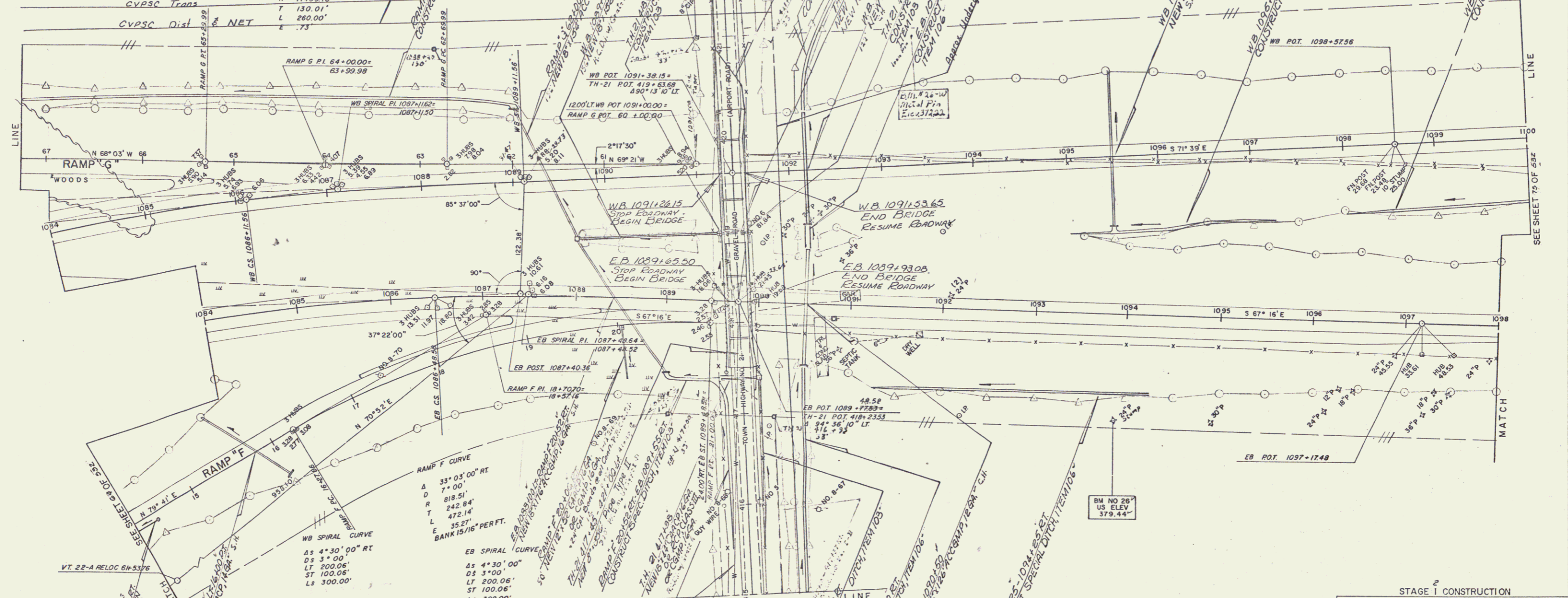
JUTE MATTING ITEM 623			* GRANITE SLOPE EDGING ITEM 556-A			CHAIN LINK FENCE 6' HIGH			STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512		
STATION	STATION	POS	STATION	STATION	POS	STATION	STATION	POS	STATION	STATION	POS
1084+00	1084+00	1									
1084+00	1084+00	2									
1084+00	1084+00	3									
1084+00	1084+00	4									
1084+00	1084+00	5									
1084+00	1084+00	6									
1084+00	1084+00	7									
1084+00	1084+00	8									
1084+00	1084+00	9									
1084+00	1084+00	10									

* THREE CABLE GUARD RAIL WITH LIGHT STEEL POSTS ITEM 538		
STATION	STATION	POS
EB 1084+00	1084+50	61
EB 1084+00	1084+50	62
EB 1084+00	1084+50	63
EB 1084+00	1084+50	64
EB 1084+00	1084+50	65
EB 1084+00	1084+50	66
EB 1084+00	1084+50	67
EB 1084+00	1084+50	68
EB 1084+00	1084+50	69
EB 1084+00	1084+50	70

DEMOLITION AND DISPOSAL OF BUILDING ITEM 536		
STATION	NO.	POS.
EB 1090+60	1	1/4
EB 1090+98	1	1/4
EB 1091+52	1	1/4

Note: Chain Link Fence
This area to be Constructed
prior to commencement
of other work in this
area.

RAMP G CURVE
A 118' 00" RT
D 0' 30' 00"
R 11459.16'
T 130.01'
L 260.00'
E .73



PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II, MOD.		
STATION	STATION	POS
667+30	719+25	1/4
719+25	719+25	1/4
719+25	719+25	1/4
719+25	719+25	1/4
719+25	719+25	1/4
719+25	719+25	1/4
719+25	719+25	1/4
719+25	719+25	1/4
719+25	719+25	1/4
719+25	719+25	1/4

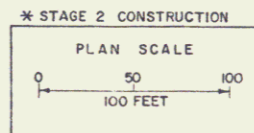
* TREATED TIMBER CURB ITEM 558		
STATION	STATION	POS
1084+00	1084+50	61
1084+00	1084+50	62
1084+00	1084+50	63
1084+00	1084+50	64
1084+00	1084+50	65
1084+00	1084+50	66
1084+00	1084+50	67
1084+00	1084+50	68
1084+00	1084+50	69
1084+00	1084+50	70

Note: 67130 - WB 109425
Property Line Fence to be con-
structed prior to commencement
of other work in this area. Also
of WB 109154 - 1100400 LT.

STAGE 1 CONSTRUCTION
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
RELOCATION OF U.S. ROUTE 4 in the town of
FAIR HAVEN
PLAN
WB STA. 1084+00.00-1100+00.00
EB STA. 1084+00.00-1098+00.00

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

SURVEYED BY W.M. INC. CHECKED BY [] SCALE AS SHOWN
DRAWN BY [] IN CHARGE [] DATE []
PROJECT NO. F020-1(4) (3) SHEET 68 OF 532



Note: For Water Line
Relocation Details see
Sheets 705 & 706

JUTE MATTING ITEM 623		
STATION	STATION	POS
78+00	81+00	LT

GRANITE SLOPE EDGING ITEM 556-A		
STATION	STATION	POS
78+00	78+41.88	LT

CONSTRUCT DRIVE NON-GOVERNMENT PART		
STATION	STATION	POS
78+50	78+50	RT

THREE CABLE GUARD RAIL WITH LIGHT STEEL POSTS ITEM 559		
STATION	STATION	POS
77+00	77+00	RT

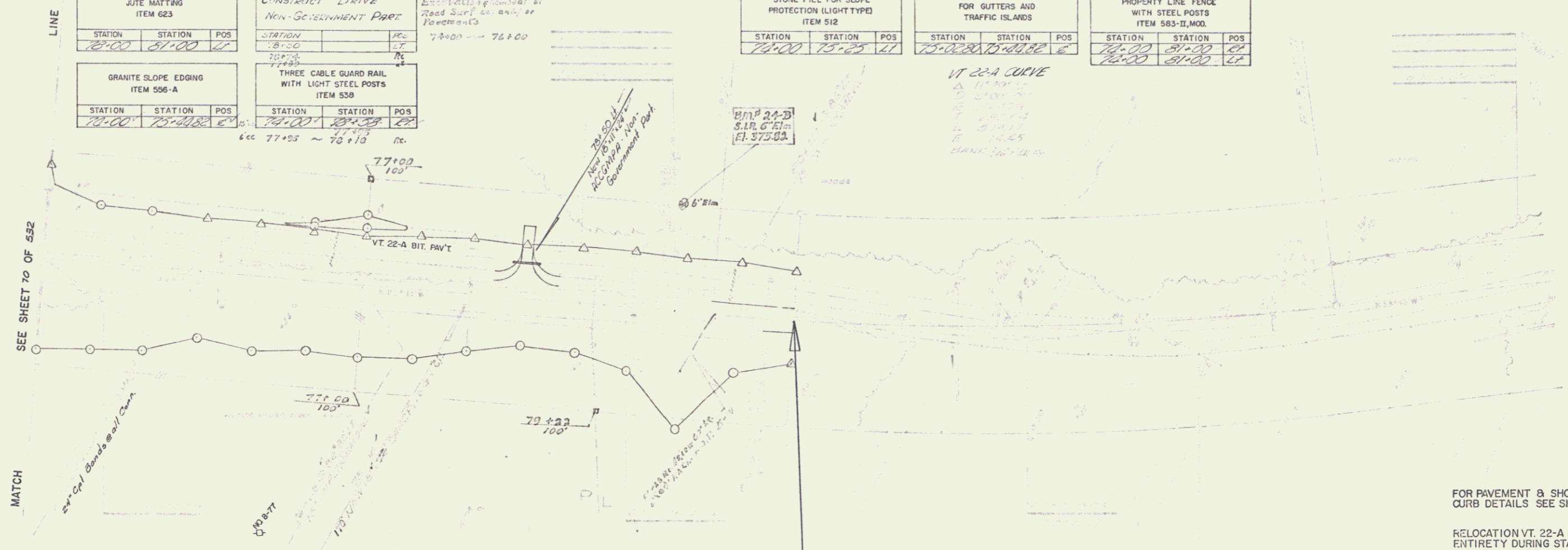
Excavation of Road Surf at 76+00

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512		
STATION	STATION	POS
74+00	75+25	LT

BITUMINOUS CONCRETE SURFACE FOR GUTTERS AND TRAFFIC ISLANDS		
STATION	STATION	POS
75+00	75+41.88	LT

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II, MOD.		
STATION	STATION	POS
74+00	81+00	LT

VT 22-A CURVE
 Δ 11° 54' 12"
 S.P. 67+10
 L 210.74
 E 37.17
 14.45
 MARK 76+32.15



FOR PAVEMENT & SHOULDER WIDTH AND CURB DETAILS SEE SHEET OF
 RELOCATION VT. 22-A IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION.

81+00
 END VT. ROUTE 22-A RELOCATION F 020-1(4)
 RESUME PROJECT S 0159(2)

76+25
 850' VC
 359.17
 K=327
 +0.5954%

+3.1940%

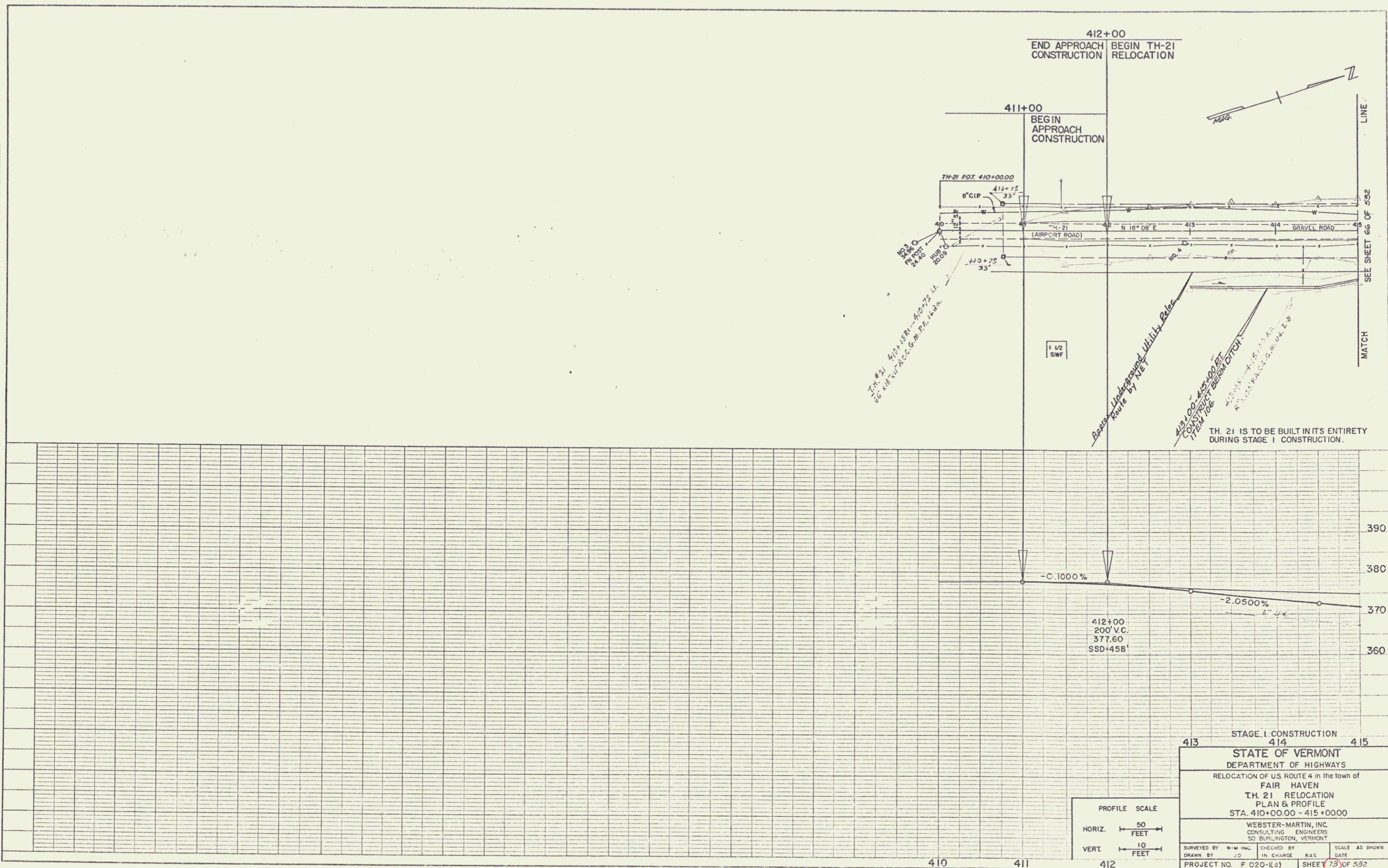
STAGE I CONSTRUCTION

72 532 F020-1(4)

16

PLAN	DATE
BY	
CHECKED	
DATE	
NO.	

PROFILE	DATE
BY	
CHECKED	
DATE	
NO.	



STAGE 1 CONSTRUCTION

413 414 415

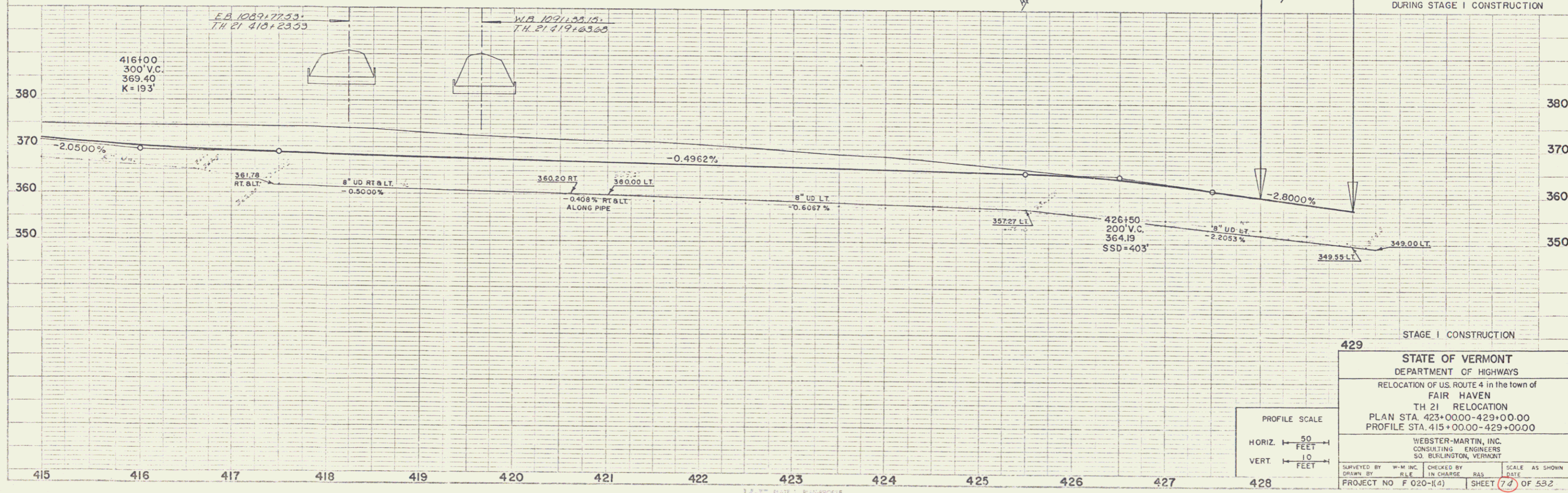
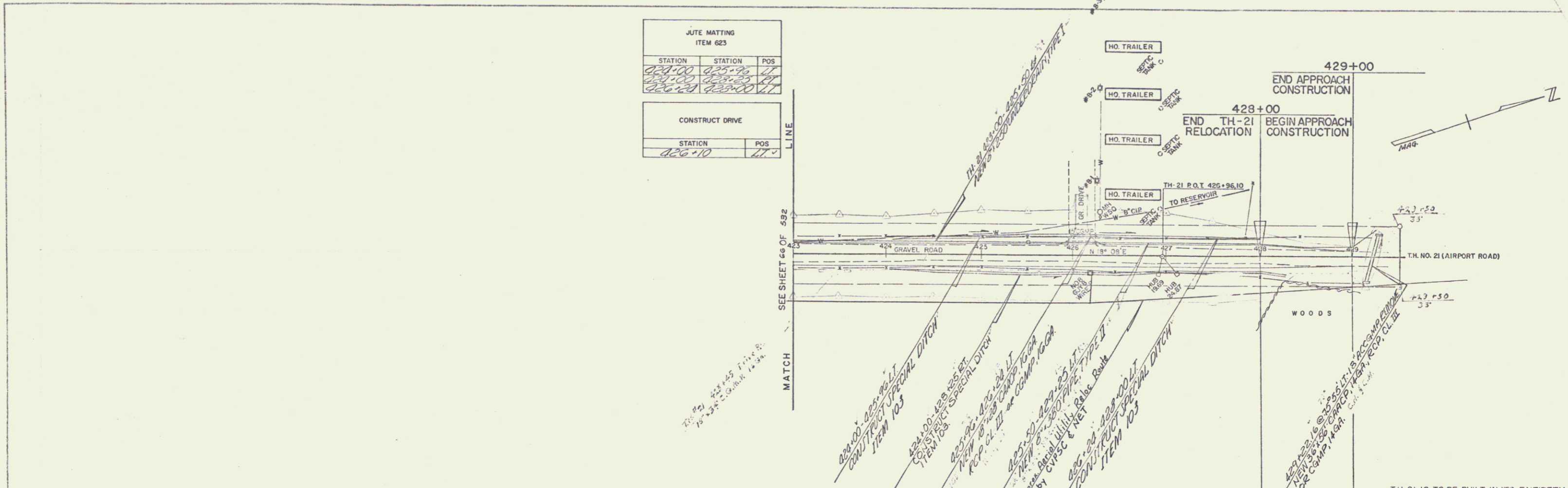
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
RELOCATION OF US ROUTE 4 in the town of
FAIR HAVEN
TH. 21 RELOCATION
PLAN & PROFILE
STA. 410+00.00 - 415+00.00

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

SURVEYED BY	W-M INC.	CHECKED BY	SCALE AS SHOWN	
DRAWN BY	J.O.	IN CHARGE	R.A.S.	DATE
PROJECT NO.	F 020-1(4)	SHEET	73 OF 552	

JUTE MATTING ITEM 623		
STATION	STATION	POS
428+00	428+75	LT
428+00	428+75	RT
428+75	429+00	LT
428+75	429+00	RT

CONSTRUCT DRIVE	
STATION	POS
428+10	LT



429 STAGE I CONSTRUCTION

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
RELOCATION OF U.S. ROUTE 4 in the town of
FAIR HAVEN
TH 21 RELOCATION
PLAN STA. 423+00.00-429+00.00
PROFILE STA. 415+00.00-429+00.00

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

SURVEYED BY W.M. INC. CHECKED BY R.M. INC. SCALE AS SHOWN
DRAWN BY R.L.E. IN CHARGE R.M. INC. DATE
PROJECT NO. F 020-(14) SHEET 7 OF 53.2

PLAN
SCALE: 1" = 40'
DATE: 10/1/00
BY: W.M. INC.

PROFILE
SCALE: 1" = 10'
DATE: 10/1/00
BY: W.M. INC.

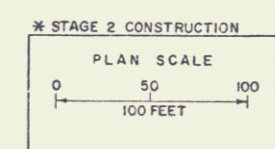
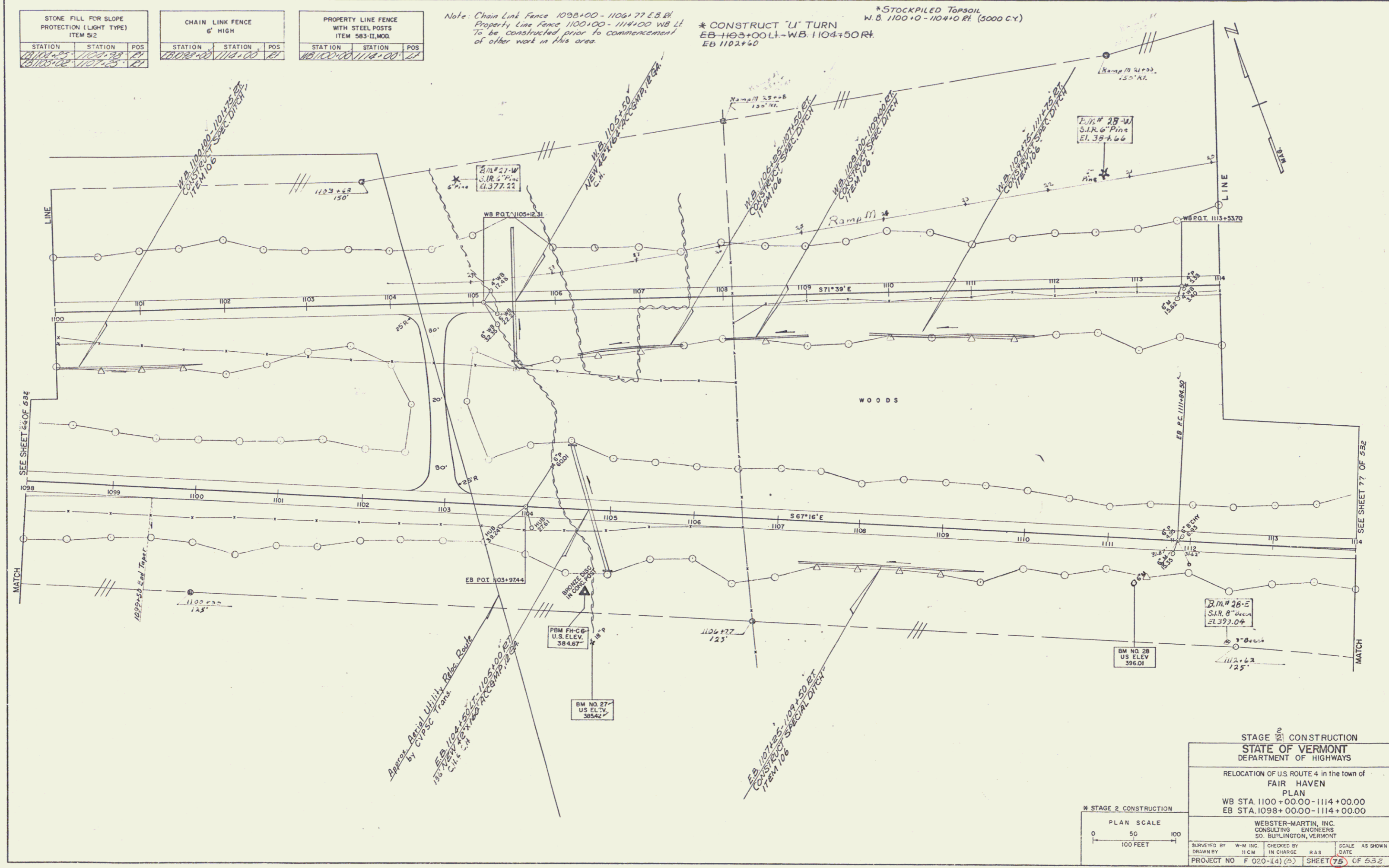
PLATE 1: PROFILE
SCALE: 1" = 10'
DATE: 10/1/00
BY: W.M. INC.

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 52			CHAIN LINK FENCE 6' HIGH			PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II, MOD.		
STATION	STATION	POS	STATION	STATION	POS	STATION	STATION	POS
1100+00	1104+00	BT	1100+00	1114+00	BT	1100+00	1114+00	BT
1100+00	1101+25	BT						

Note: Chain Link Fence 1098+00 - 1106+77 E.B. Property Line Fence 1100+00 - 1114+00 WB LI To be constructed prior to commencement of other work in this area.

* CONSTRUCT "U" TURN EB-1103+00 LT - WB-1104+50 RT EB 1102+40

* STOCKPILED TOPSOIL W.B. 1100+00 - 1104+10 RT (3000 CY)



STAGE 2 CONSTRUCTION
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

RELOCATION OF U.S. ROUTE 4 in the town of FAIR HAVEN
PLAN
WB STA. 1100+00.00 - 1114+00.00
EB STA. 1098+00.00 - 1114+00.00

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
501 BURLINGTON, VERMONT

BENCHMARK: BM NO. 28 U.S. ELEV. 396.01
BENCHMARK: BM NO. 27 U.S. ELEV. 384.67

PROJECT NO. F 020-14(0) SHEET 75 OF 532



GRADE SLOPE DATA
ITEM 545-A

STATION	STATION	POS
1130+00	1130+00	150'

Note: X 67100 - EB 1142+15 RT
Property Line Fence to be
Constructed prior to com-
mencing of other work
in this area

PROPERTY LINE FENCE
WITH STEEL POSTS
ITEM 545-B-1000

STATION	STATION	POS
1140+00	1140+00	150'

CHAIN LINK FENCE
6 HIGH

STATION	STATION	POS
1140+00	1140+00	150'

STONE FILL FOR SLOPE
PROTECTION (LIGHT TYPE)
ITEM 510

STATION	STATION	POS
1140+00	1140+00	150'

THREE CABLE GUARDRAIL
WITH LIGHT STEEL POSTS
ITEM 510

STATION	STATION	POS
1140+00	1140+00	150'

EB 1139+00 - 1140+00 LL
EB 1139+00 - 1140+00 RL
WB 1141+00 - 1140+00 RL
WB 1141+14 - 1140+00 LL

STATION CONSTRUCTION
STATE OF VERMONT
DEPARTMENT OF TRANSPORTATION
PLANNING & DESIGN
DATE: 11/20/14
PROJECT: 1140+00 - 1145+00
SHEET: 21 OF 25

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512

STATION	STATION	POS
520+00	520+25	1
520+25	520+50	1

CHAIN LINK FENCE 6' HIGH

STATION	POS	STATION	POS
520+00	1	520+25	1
520+25	1	520+50	1

TREATED TIMBER CURB ITEM 568

STATION	STATION	POS
520+00	520+00	1
520+00	520+00	1

THREE CABLE GUARD RAIL WITH STEEL POSTS ITEM 542

STATION	STATION	POS
520+00	520+00	1
520+00	520+00	1

CONSTRUCT DRIVE

STATION	POS
524+25	1

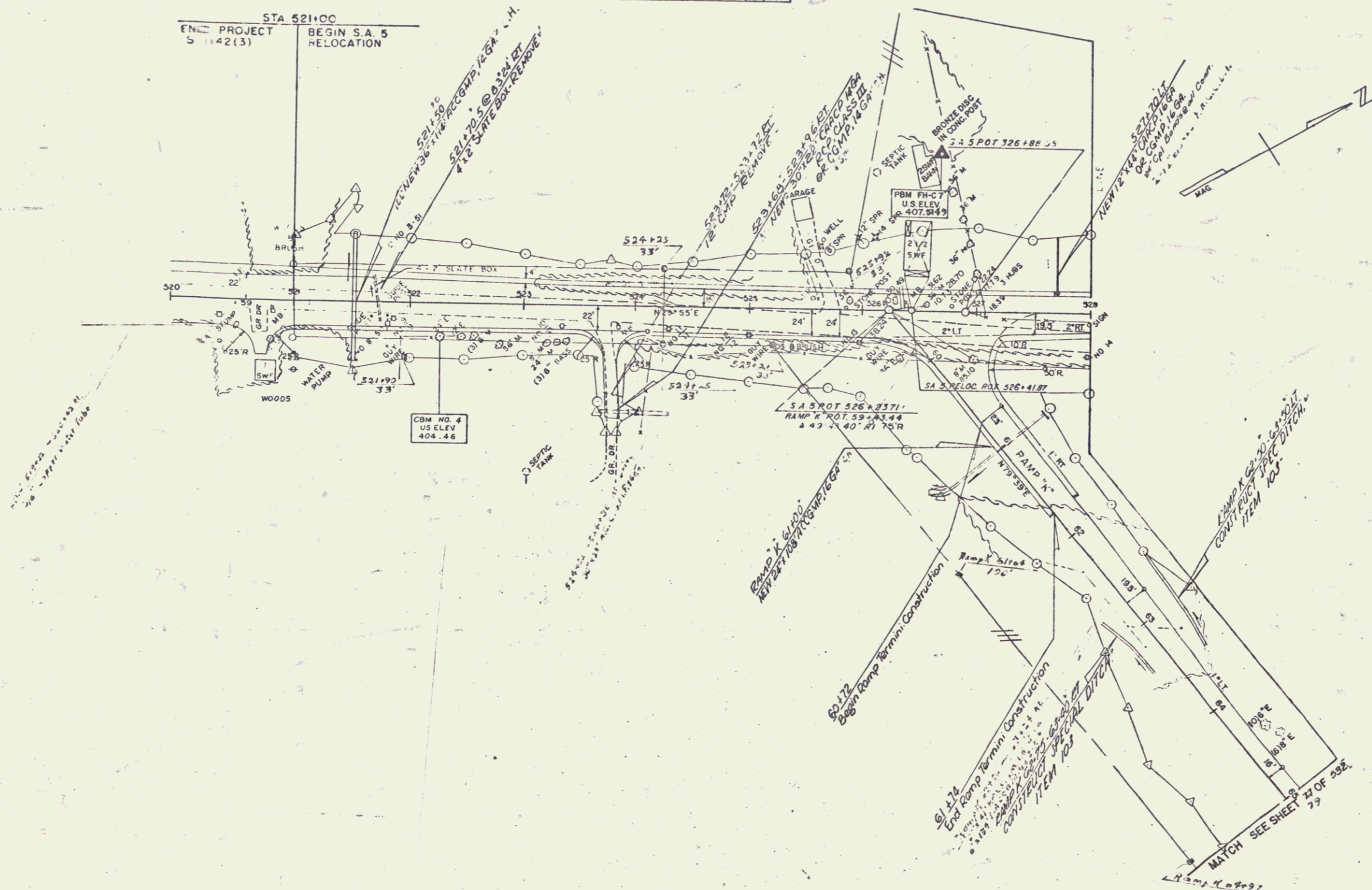
* JUTE MATTING ITEM 623

STATION	STATION	POS
520+00	520+25	1
520+25	520+50	1

DEMOLITION AND DISPOSAL OF BUILDING ITEM 586

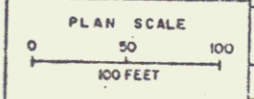
STATION	NO	POS
520+00	1	1
520+00	1	1

Excavation & Removal of Road Surfaces and Pavements
524+33 - 526+00



SA-5 IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION.

STAGE 2 CONSTRUCTION	
STATE OF VERMONT DEPARTMENT OF HIGHWAYS	
RELOCATION OF FAIR HAVEN ROUTE 4 WITH THE FAIR HAVEN PLAN STA. 520+00.00-528+00.00	
WEBSTER-MARTIN, INC. CONSULTING ENGINEERS 50 BURLINGTON, VERMONT	
DESIGNED BY: W.M.	CHECKED BY: RAB
DRAWN BY: J.D.	IN CHARGE: RAB
PROJECT NO: F 020-1(4)(2)	SHEET 22 OF 50





PROPERTY LINE FENCE WITH STEEL POSTS ITEM 542-01-00	STATION	POSITION
	536+00	

REMOVE AND REPAIR OF ROAD SURFACES AND PAVEMENTS ITEM 542-01-00	STATION	POSITION
	541+00	

CONSTRUCT DRIVE	STATION	POSITION
	541+00	

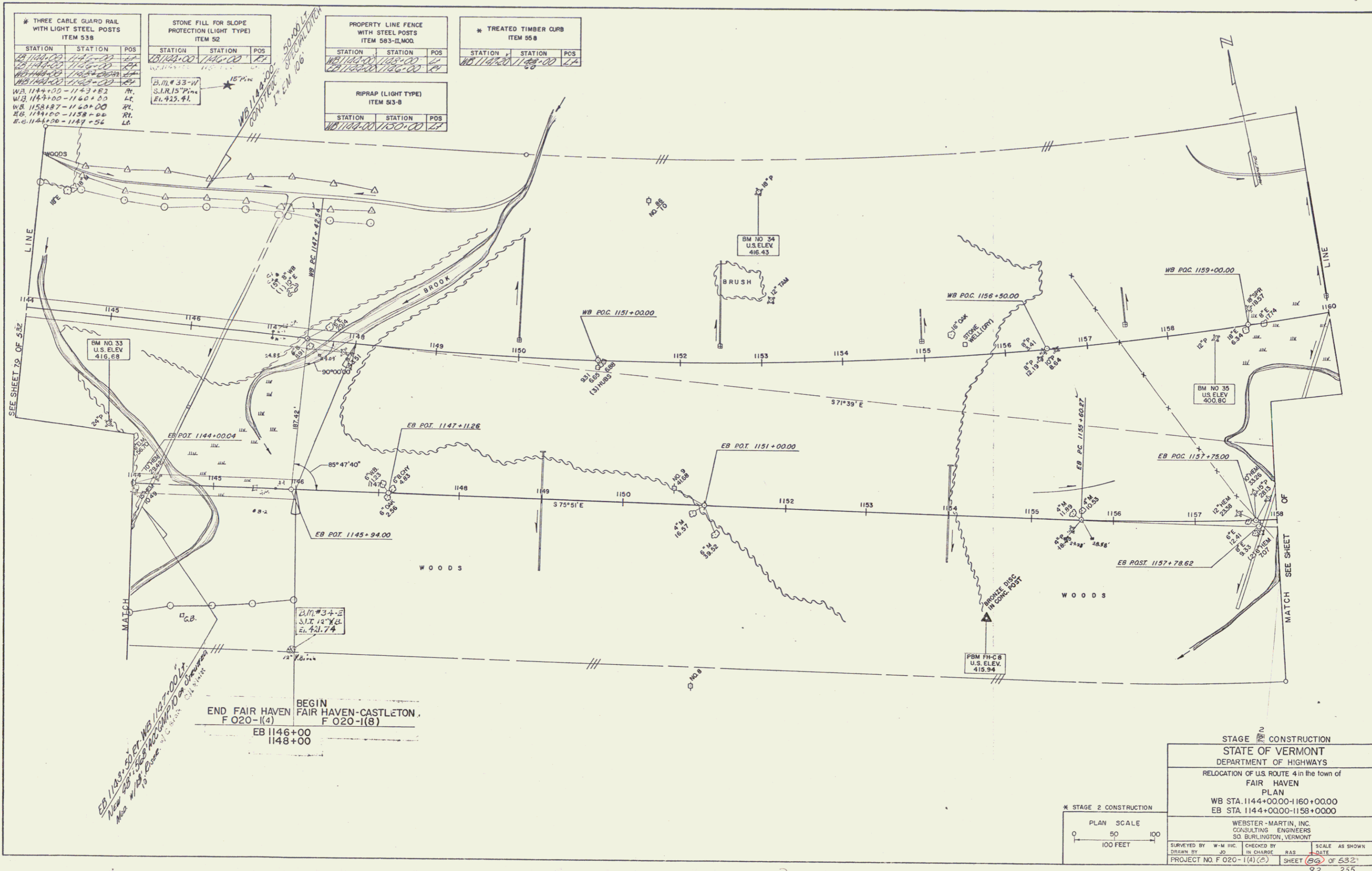
TREATED TIMBER CURB ITEM 542-01-00	STATION	POSITION
	541+00	

THREE CABLE CURB RAIL WITH STEEL POSTS ITEM 542-01-00	STATION	POSITION
	541+00	

Note: 536+00-542+00 LI Property Line fence to be constructed prior to commencement of other work in this area.

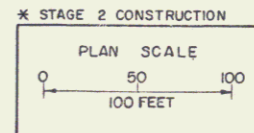
DA-5 IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION.

ST. 12 CONSTRUCTION
 STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 RELOCATION OF BIRCH AND PINE ST. IN
 FAIR HAVEN
 PLAN
 STA. 536+00 TO 546+00



* THREE CABLE GUARD RAIL WITH LIGHT STEEL POSTS ITEM 538			STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 52			PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-ILMO			* TREATED TIMBER CURB ITEM 558		
STATION	STATION	POS	STATION	STATION	POS	STATION	STATION	POS	STATION	STATION	POS
WB 1144+00	1145+00	LA	WB 1144+00	1146+00	LA	WB 1144+00	1148+00	LA	WB 1144+00	1146+00	LA
WB 1145+00	1146+00	LA	WB 1145+00	1147+00	LA	WB 1145+00	1149+00	LA	WB 1145+00	1147+00	LA
WB 1146+00	1147+00	LA	WB 1146+00	1148+00	LA	WB 1146+00	1150+00	LA	WB 1146+00	1148+00	LA
WB 1147+00	1148+00	LA	WB 1147+00	1149+00	LA	WB 1147+00	1151+00	LA	WB 1147+00	1149+00	LA
WB 1148+00	1149+00	LA	WB 1148+00	1150+00	LA	WB 1148+00	1152+00	LA	WB 1148+00	1150+00	LA
WB 1149+00	1150+00	LA	WB 1149+00	1151+00	LA	WB 1149+00	1153+00	LA	WB 1149+00	1151+00	LA
WB 1150+00	1151+00	LA	WB 1150+00	1152+00	LA	WB 1150+00	1154+00	LA	WB 1150+00	1152+00	LA
WB 1151+00	1152+00	LA	WB 1151+00	1153+00	LA	WB 1151+00	1155+00	LA	WB 1151+00	1153+00	LA
WB 1152+00	1153+00	LA	WB 1152+00	1154+00	LA	WB 1152+00	1156+00	LA	WB 1152+00	1154+00	LA
WB 1153+00	1154+00	LA	WB 1153+00	1155+00	LA	WB 1153+00	1157+00	LA	WB 1153+00	1155+00	LA
WB 1154+00	1155+00	LA	WB 1154+00	1156+00	LA	WB 1154+00	1158+00	LA	WB 1154+00	1156+00	LA
WB 1155+00	1156+00	LA	WB 1155+00	1157+00	LA	WB 1155+00	1159+00	LA	WB 1155+00	1157+00	LA
WB 1156+00	1157+00	LA	WB 1156+00	1158+00	LA	WB 1156+00		LA	WB 1156+00	1158+00	LA
WB 1157+00	1158+00	LA	WB 1157+00		LA				WB 1157+00		LA
WB 1158+00		LA									
WB 1159+00		LA									

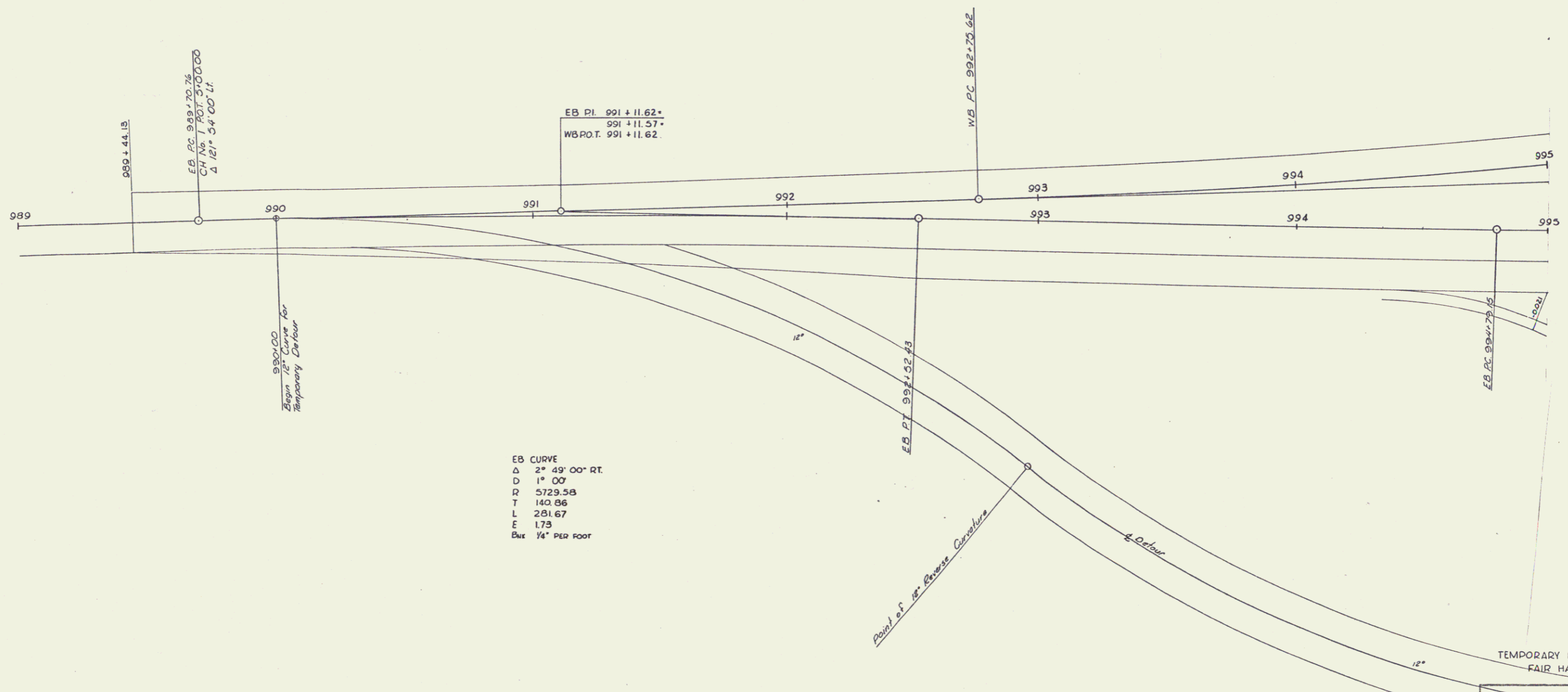
END FAIR HAVEN F 020-1(4)
 BEGIN FAIR HAVEN-CASTLETON F 020-1(8)
 EB 1146+00
 1148+00



STAGE 2 CONSTRUCTION
 STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 RELOCATION OF U.S. ROUTE 4 in the town of FAIR HAVEN
 PLAN
 WB STA. 1144+0000-1160+0000
 EB STA. 1144+0000-1159+0000

WEBSTER-MARTIN, INC.
 CONSULTING ENGINEERS
 30 BURLINGTON, VERMONT

SURVEYED BY W.M.H. CHECKED BY []
 DRAWN BY [] IN CHARGE RAS SCALE AS SHOWN
 PROJECT NO. F 020-1(4)(2) SHEET 82 OF 532
 82 235



EB CURVE
 Δ 2° 49' 00" RT.
 D 1° 00'
 R 5729.58
 T 140.86
 L 281.67
 E 1.73
 Bar 1/4" PER FOOT

SURVEYED BY	DATE
DRAWN BY	DATE
TRACED BY JANAWICZ	DATE 5-68
PROJ. F NO. 020-1(4) (9) SHEET 88 OF 532 129 255 D-7	

25

- 1. Title Sheet
- 2-3. Typical Sections (One Way Ramp)
- 4. Typical Sections (Two Way Roadway)
- 5. Typical Sections (Two Way Roadway)
- 6. Typical Sections (Frontage Road)
- 7. Quantity Sheets
- 8-11. Drainage Sheets
- 12. Underdrain Sheet
- 13. Traffic Sign and Delinimeter Summary Sheet
- 14. Grade and Earthwork Sheets
- 15-17. Alignment Data Sheets
- 18. Ramp Intersection Grades
- 19. Layout and Installation Data, Piezometers and Settlement Platforms
- 20-22. Plan and Profile Sheets
- 23. A-11 Soil Rock Excavation (Grades over 50mph) 1/17/69 R
- 24. B-1 Benching Tables 7/7/67 R
- 25. B-2 Top of Cut Slope 3/10/65
- 26. B-3 Max Excavation 3/10/65
- 27. B-4 Enhancement of A Slope 3/10/65
- 28. B-5 Underdrain with Shattered Rock Subgrade 3/10/65
- 29. C-1 Cures 10/23/68 R
- 30. C-2 Cures 3/10/65
- 31. D-1 Precast RCP Drop Inlets with Cover 8/1/66 R
- 32. D-2 Underdrain and Manholes 8/1/66 R
- 33. D-3 Jute Matting, Treated Gutters 7/19/67 R
- 34. D-4 Elbows, Flushing Basins, Metal End Sections 12/9/68 R
- 35. D-5 Drop Inlets 3/10/65
- 36. D-6 Thrust Adaptors 3/10/65
- 37. D-7 Drop Inlet Covers 3/10/65
- 38. D-8 Catch Basins 3/13/69 R
- 39. D-9 Reinforced Concrete Curb Drop Inlet, Cast in Place Vertical Sides 7/10/68 R
- 40. D-10 Laboratory Signs 8/12/63 R
- 41. D-11 Warning Signs 12/18/64 R
- 42. D-12 Hazard Markers 11/17/67 R
- 43. E-22 Road Construction Approach Signs 1/16/67
- 44. E-24 On Project Construction Signs 5/3/67 R
- 45. F-1 Property Line Fence 11/29/67 R
- 46. G-2A Turn Cable Guard Rail 12/3/68 R
- 47. G-2B Dead End Anchorage 3/10/65
- 48. G-4 Marker Posts, Guide Posts, Plank Guard Rail 12/30/65 R
- 49. G-5 Bridge Railing (For Bridge Approaches) 2/13/68 R
- 50. G-6 Bridge Railing (For Bridge Approaches) 8/21/68 R
- 51. J-1 Boundary Markers 3/10/65
- 52. L-1 Piezometer Assembly and Installation Details 7/22/68
- 53. L-2 Details of Settlement Platforms 4/1/69
- 54. S-20-01-67 Bench Mark Details and General Notes 1/24/68
- 55. S-20-02-67 Bench Mark 1/24/68
- 56. S-20-03-67 Plastic Tube at Expansion Plate 1/24/68
- 57. S-20-04-67 Dock Reinforcing Layout at Abutments 12/17/68 R
- 58. S-20-05-67 Dock Reinforcing Layout at Piers 1/24/68
- 59. S-20-06-67 Curb Details, Pile Splice Details and Construction Joint Details 5/23/69 R
- 60. S-20-07-67 Cast-in-Place Concrete Piling 11/8/66
- 61. S-20-08-67 Aluminum Railing Details - Sheet 1 12/16/68 / Sheet 2 11/8/66
- 62. S-20-09-67 Steel Railing Details 11/8/66
- 100. US ROUTE 4 RELOCATION OVER LAKE BOHSEEN AND SA - 2 RELOCATION
- 101. Plan and Elevation
- 102. Bridge Quantity Sheet
- 103. Preliminary Information Sheet
- 104-105. Boring Log
- 106-107. Superstructure Details
- 108-109. Joint Details
- 110-111. Abutment and Wingwall Details
- 112-113. Abutment Footing Details
- 114-115. Reinforcing Steel Details
- 116-117. Plan and Elevation
- 118-119. Bridge Quantity Sheet
- 120-121. Preliminary Information Sheet
- 122-123. Boring Log
- 124-125. Superstructure Details
- 126-127. Joint Details
- 128-129. Abutment and Wingwall Details
- 130-131. Abutment Footing Details
- 132-133. Reinforcing Steel Details

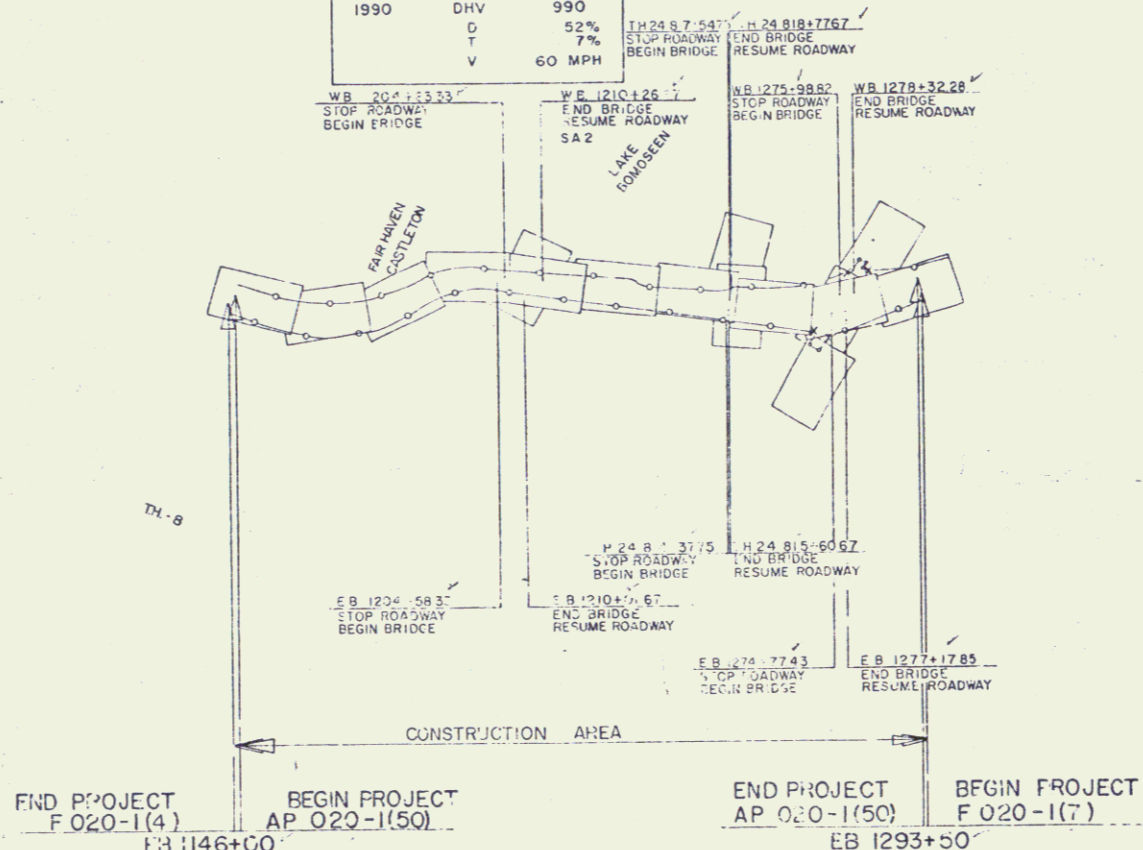
- 143-151. Reinforcing Steel Details
- 152. US ROUTE 4 RELOCATION OVER ROUTE 30 RELOCATION
- 153. Plan and Elevation
- 154. Bridge Quantity Sheet
- 155-156. Preliminary Information Sheet
- 157-158. Boring Log
- 159-160. Superstructure Details
- 161-162. Joint Details
- 163-164. Abutment and Wingwall Details
- 165-166. Abutment Footing Details
- 167-168. Reinforcing Steel Details
- 169-170. Approach Slab Details
- 171-172. Details of 60' O.G.P.P. EB 1230+94.17 LI - 1231+55.58 RT.
- 173-174. Details of 60' O.G.P.P. WB 1230+46.25 LI - 1230+31.22 RT.
- 175-176. Eastbound Sections
- 177-178. Westbound Sections
- 179-180. Range, N. P. 9 AND R Sections
- 181-182. Rt. Route 30 Relocation Sections
- 183-184. SA - 2 Relocation Sections
- 185-186. IN-24 Relocation Sections
- 187-188. Frontage Road Sections
- 189-190. Drainage Sections (Dashed Lines No. 7 and No. 8)
- 191-192. Drainage Sections

TOWNS OF FAIR HAVEN AND CASTLETON
 COUNTY OF RUTLAND
 RELOCATION OF U.S. ROUTE 4
 FAIR HAVEN - WEST RUTLAND ROAD

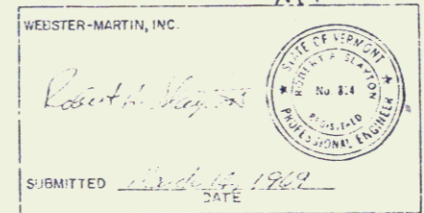
BEGINNING AT A POINT APPROXIMATELY 3.000 MILES EASTERLY OF THE NEW YORK-VERMONT STATE LINE AND PROCEEDING EASTERLY 2.763 MILES.
 LENGTH OF ROADWAY 13,821.00 FEET = 2.618 MILES
 LENGTH OF BRIDGES 7640.00 FEET = 0.145 MILES
 LENGTH OF PROJECT 14,585.00 FEET = 2.763 MILES

TRAFFIC DATA

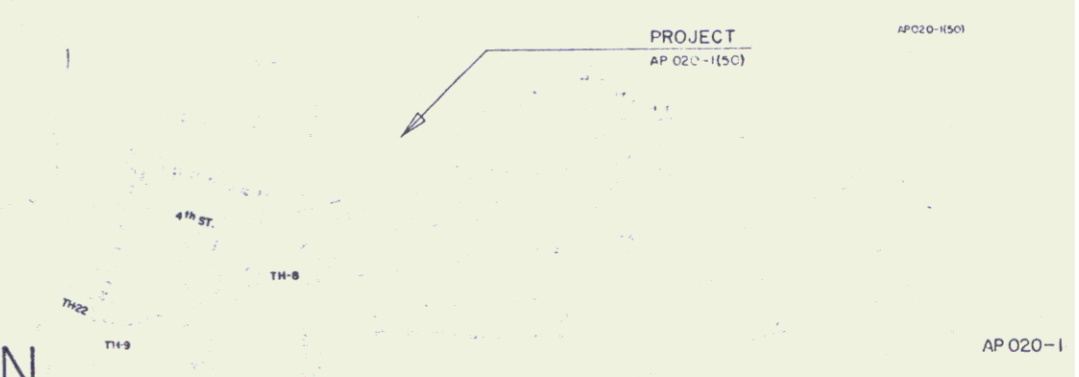
1970 ADT	4400
1990 ADT	7250
1990 DHV	990
G	52%
T	7%
V	60 MPH



END PROJECT F 020-1(4) BEGIN PROJECT AP 020-1(50) END PROJECT AP 020-1(50) BEGIN PROJECT F 020-1(7)



Handwritten signatures and dates: E.H. Stucky 10/18/67, J. Stuck 13 Dec 68, J. Spurr 10/18/67, J. Dunbar 10/18/67, G.M. Lane 10/18/67, R.H. Curran 10/18/67.



PROJECT NAME & NUMBER TYPE-STAGE I
 FAIR HAVEN-CASTLETON AP 020-1(50) GRADING & DRAINAGE

- RECORD PLANS MATERIALS
- BRIDGE OF GRAVEL - BUDA FIT - CASTLETON, VT.
 - BRIDGE OF SAND - BUDA FIT - FAIR HAVEN, VT.
 - CRUSHED GRAVEL OR CRUSHED GRANITE PLANT BASE CO.
 - EMULSION - VERMONT EMULSION - VERMONT PAVING CO. - WALLINGFORD, VT.
 - CONCRETE CLASS. A.C. - BARRERA & SONS - CASTLETON, VT.
 - REINFORCING STEEL - CHAMBERLAIN STEEL CO. - CAMBRIDGE, MA.
 - ALUMINUM ALLOY GUARD RAIL PILES - KAMBER ALUMINUM & CHEMICAL CO. - SCHEFFERTON, N.Y.
 - REINFORCED CONCRETE PIPE, RAILROAD TRAFFIC SIGNS, BRIDGE PAINT, SIGNAL CONTROL & GUARD RAIL ITEMS - S.T. BRISWELL CO. - WILLISTON, VT.
 - C.C.E. CRUISE - CALCO, INC. - WATERFORD, VT.
 - METAL CULVERT PIPE - NEW ENGLAND METAL CULVERT CO. - WHITE RIVER, VT.
 - CAST IRON GRATES & FRAMES - ELLERSON FOUNDRY CO. - BRIGHTON, MA.
 - ALUMINUM TYPE C - GRAY FOUNDRY CO. - COULTON, VT.
 - FRUIT SPALLS OF ADHESIVE - A.H. HARRIS & SONS, INC. - HYDE PARK, MA.
 - STRUCTURAL STEEL - MCKINNON STRUCTURAL STEEL - WINDSOR, VT.
 - STEEL CONNECTIONS - NELSON STUD WELDING CO. - LOWELL, MA.
 - BRIDGE PAINT - HOLLAND PAINT CO. LTD. - STAMFORD, CT.
 - JOINT SEALER - FREDERICK C. BLASTEMING EXPANSION JOINT - KIDDY EQUIPMENT CO. - WHITE RIVER JCT., VT.
- CONTRACTOR - CALEDONIA, INC. ST. JOHNSBURY, VT.
 RESIDENT ENGINEER - PAUL G. HORTON.
 INSPECTORS - W. WALKER, S.H. LANGILL, E.M. GIBSON & A.J. DAVIS.

CONTRACT DATED - SEPTEMBER 22, 1962.
 STARTED - SEPTEMBER 28, 1962.
 COMPLETED - JULY 15, 1971.
 ACCEPTED - JULY 15, 1971.

FOR RIGHT-OF-WAY DETAILS, SEE RIGHT-OF-WAY PLANS FOR THIS PROJECT.
 REQUIRED NUMBER OF FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS 0 EACH.
 THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER OF HIGHWAYS.
 CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PERMANENT RIGHT-OF-WAY DIVISION FILE NO. 1234567890

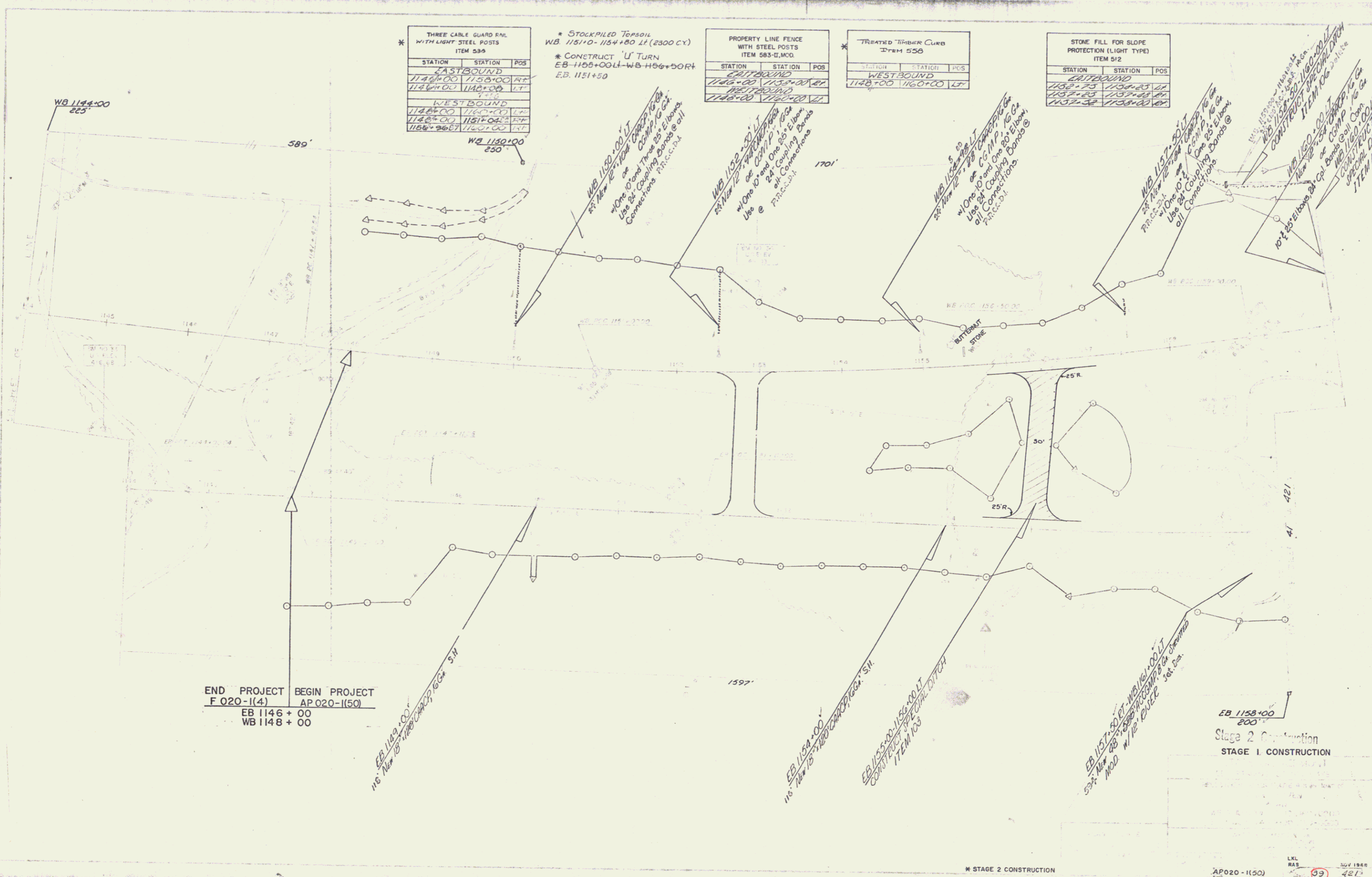
FAIR HAVEN-CASTLETON AP 020-1(50)
 CONTRACTOR - CALEDONIA, INC., ST. JOHNSBURY, VT.
 COMPLETED - JULY 15, 1971.
 RECORD PLANS - A.C. SPIDLE.

FOR FURTHER INFORMATION, CONTACT THE FIELD ENGINEER AT THE PROJECT OFFICE OR THE FIELD ENGINEER AT THE PROJECT OFFICE.

RIGHT-OF-WAY DIVISION FILE NO. 1234567890

PERMANENT FILE NO. 1234567890

Project NO. AP 020-1(50)



* THREE CABLE GUARD RAIL WITH LIGHT STEEL POSTS ITEM 539

STATION	STATION	POS
EASTBOUND		
1146+00	1158+00	RT
1148+00	1160+00	LT
WESTBOUND		
1148+00	1157+00	RT
1148+00	1157+00	LT

* STOCKPILED TOPSOIL
WB 1151+0 - 1154+80 LT (2300 CY)
* CONSTRUCT 'U' TURN
EB-1155+00 LT - WB-1156+50 RT
E.B. 1151+50

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II.MCO.

STATION	STATION	POS
EASTBOUND		
1146+00	1155+00	RT
1148+00	1155+00	LT
WESTBOUND		
1148+00	1155+00	RT
1148+00	1155+00	LT

TREATED TIMBER CURB ITEM 556

STATION	STATION	POS
WESTBOUND		
1148+00	1160+00	LT

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512

STATION	STATION	POS
EASTBOUND		
1158+25	1158+25	LT
1157+25	1157+25	RT
1157+25	1158+00	RT

END PROJECT F 020-1(4)
BEGIN PROJECT AP 020-1(50)
EB 1146 + 00
WB 1148 + 00

EB 1157+50 RT - WB 1161+00 LT
50% New 2" x 12" CURB ITEM 556
100% ELONG. 2" x 12" CURB

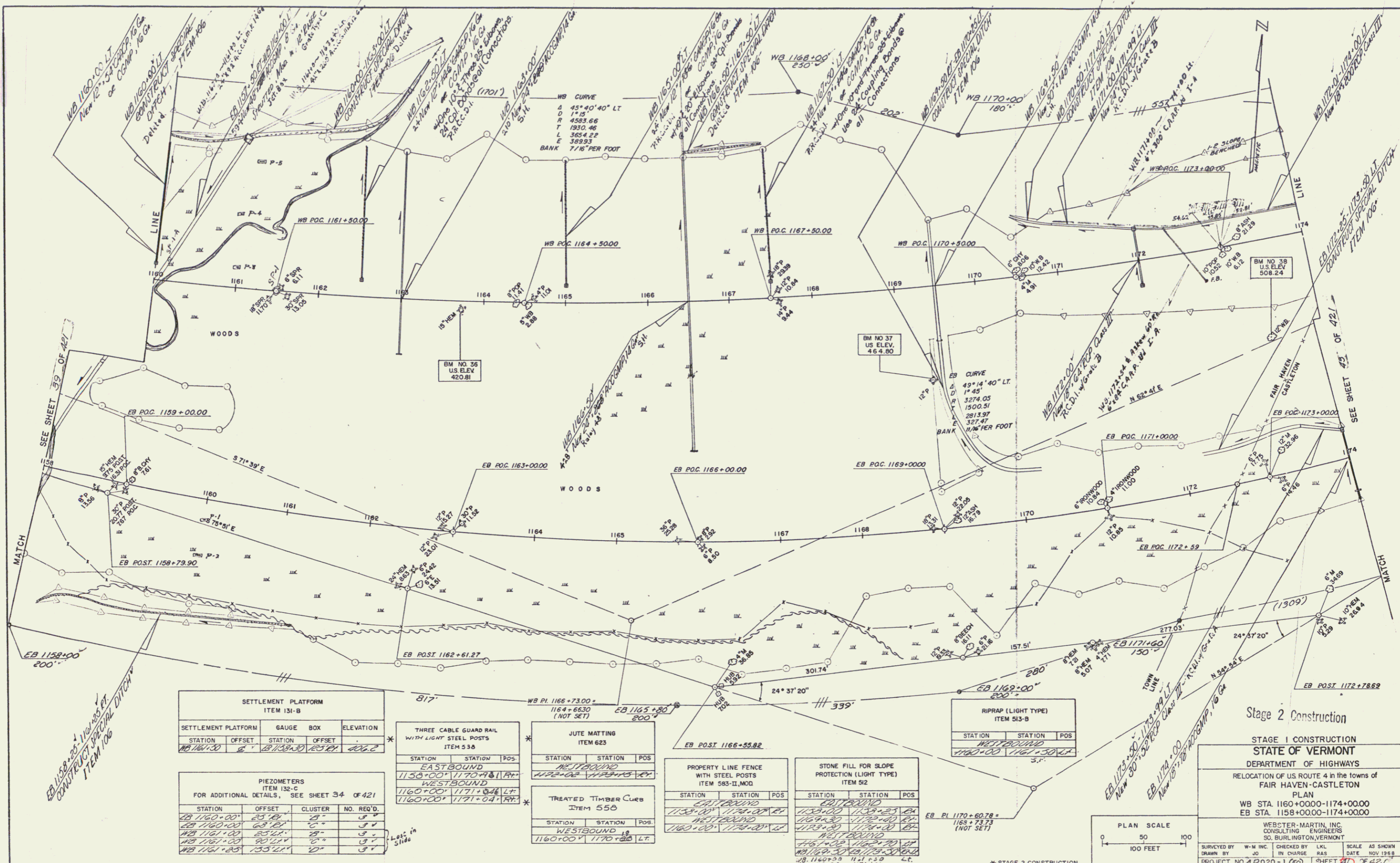
EB 1158+00
200'
Stage 2 Construction
STAGE 1 CONSTRUCTION

* STAGE 2 CONSTRUCTION

Sheet 84 of 255
AP020-1(50)
F (8)

LKL
RAS
NOV 1968
99 421

27



SETTLEMENT PLATFORM
ITEM 131-B

STATION	OFFSET	STATION	OFFSET	ELEVATION
WB 1161+30	2'	WB 1159+30	2.5'	420.2

THREE CABLE GUARD RAIL
WITH LIGHT STEEL POSTS
ITEM 53-B

STATION	STATION	POS.
1158+00	1170+40	1 R.
1160+00	1171+00	2 R.
1160+00	1171+00	1 L.

JUTE MATTING
ITEM 623

STATION	STATION	POS.
1162+00	1169+00	1 R.
1162+00	1169+00	1 L.

TREATED TIMBER CURB
ITEM 55B

STATION	STATION	POS.
1160+00	1170+00	1 R.
1160+00	1170+00	1 L.

PROPERTY LINE FENCE
WITH STEEL POSTS
ITEM 583-II, MOD

STATION	STATION	POS.
1158+00	1160+00	1 R.
1158+00	1160+00	1 L.

STONE FILL FOR SLOPE
PROTECTION (LIGHT TYPE)
ITEM 52

STATION	STATION	POS.
1158+00	1160+00	1 R.
1158+00	1160+00	1 L.

RIPRAP (LIGHT TYPE)
ITEM 513-B

STATION	STATION	POS.
1160+00	1161+50	1 R.
1160+00	1161+50	1 L.

PIEZOMETERS
ITEM 132-C
FOR ADDITIONAL DETAILS, SEE SHEET 34 OF 421

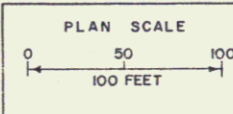
STATION	OFFSET	CLUSTER	NO. REQ'D
WB 1160+00	25'	2	3
WB 1160+00	65'	1	3
WB 1161+00	25'	2	3
WB 1161+00	90'	1	3
WB 1161+00	135'	1	3

Stage 2 Construction

STAGE 1 CONSTRUCTION
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
RELOCATION OF US ROUTE 4 IN THE TOWNS OF
FAIR HAVEN-CASTLETON
PLAN
WB STA. 1160+0000-1174+0000
EB STA. 1158+0000-1174+0000

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

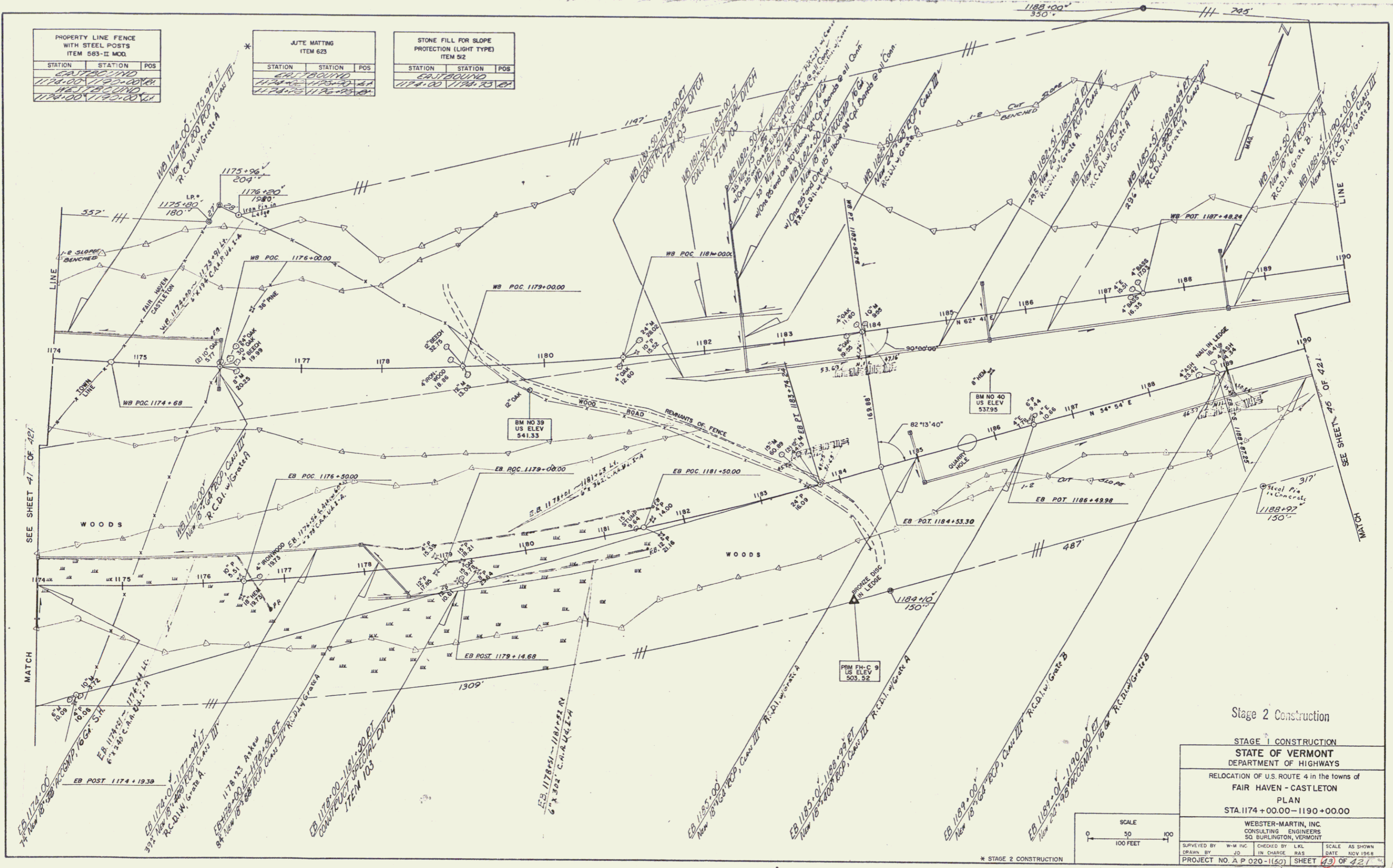
SURVEYED BY: W-M INC. CHECKED BY: LKL SCALE AS SHOWN
DRAWN BY: JG IN CHARGE: RAS DATE: NOV 1988
PROJECT NO. A2020-1 (20) SHEET 37 OF 421



PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II MOD.		
STATION	STATION	POS
1174+00	1175+00	00
1175+00	1176+00	00
1176+00	1177+00	00

JUTE MATTING ITEM 623		
STATION	STATION	POS
1174+00	1175+00	00
1175+00	1176+00	00
1176+00	1177+00	00

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512		
STATION	STATION	POS
1174+00	1175+00	00
1175+00	1176+00	00
1176+00	1177+00	00



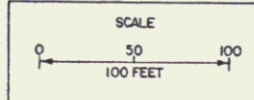
SEE SHEET 41 OF 421

MATCH

SEE SHEET 45 OF 421

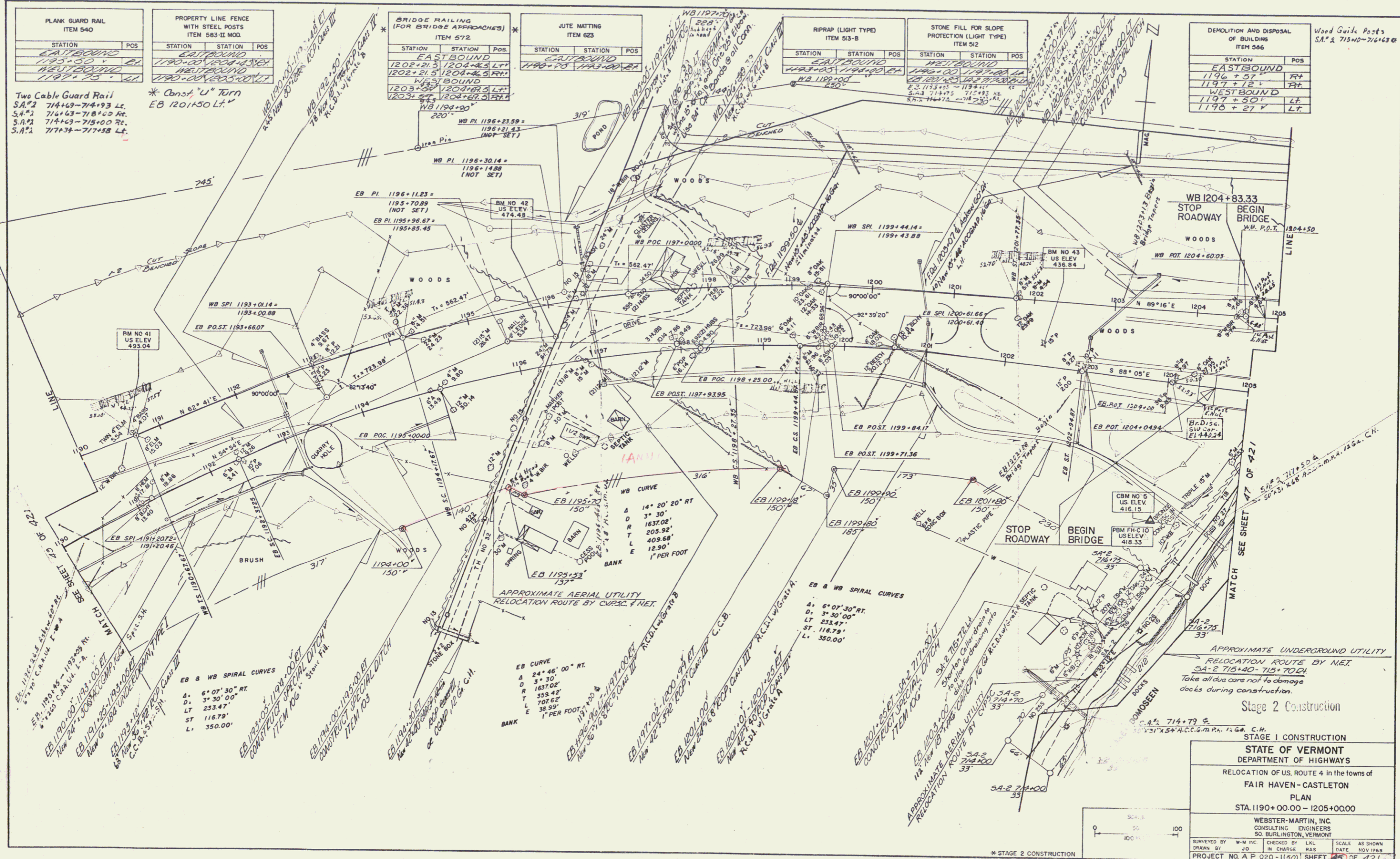
Stage 2 Construction

STAGE 1 CONSTRUCTION	
STATE OF VERMONT DEPARTMENT OF HIGHWAYS	
RELOCATION OF U.S. ROUTE 4 in the towns of FAIR HAVEN - CASTLETON	
PLAN STA. 1174+00.00 - 1190+00.00	
WEBSTER-MARTIN, INC. CONSULTING ENGINEERS 50 BURLINGTON, VERMONT	
SURVEYED BY: W-M INC.	CHECKED BY: LKL
DRAWN BY: JQ	IN CHARGE: RAS
PROJECT NO. A P 020-1160	SHEET 49 OF 421
SCALE AS SHOWN DATE: NOV 1958	



* STAGE 2 CONSTRUCTION

Sheet 88 of 255 Sheets



PLANK GUARD RAIL ITEM 540	
STATION	POS.
EASTBOUND	
1195+50	EA
WESTBOUND	
1197+75	EA

Two Cable Guard Rail
S.A.#2 714+69-714+93 Lt.
S.A.#3 714+63-715+00 Rt.
S.A.#1 714+63-715+00 Rt.
S.A.#2 717+34-717+58 Lt.

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 555 II MOD		
STATION	STATION	POS.
EASTBOUND		
1190+00	1204+50	EA
WESTBOUND		
1190+00	1204+50	EA

* Const. "U" Turn
EB 1201+50 Lt.

BRIDGE RAILING (FOR BRIDGE APPROACHES) ITEM 572		
STATION	STATION	POS.
EASTBOUND		
1202+21.5	1204+50	EA
WESTBOUND		
1203+50	1204+50	EA

PILE MATTING ITEM 623		
STATION	STATION	POS.
EASTBOUND		
1190+75	1193+00	EA

RIPRAP (LIGHT TYPE) ITEM 513-B		
STATION	STATION	POS.
EASTBOUND		
1193+05	1194+00	EA

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512		
STATION	STATION	POS.
EASTBOUND		
1190+00	1197+00	EA

DEMOLITION AND DISPOSAL OF BUILDINGS ITEM 566	
STATION	POS.
EASTBOUND	
1196+07	R+
1197+12	R+
WESTBOUND	
1197+50	LT
1198+27	LT

Wood Guide Posts
S.A.# 715+40-716+63 Rt

Stage 2 Construction

STAGE 1 CONSTRUCTION

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

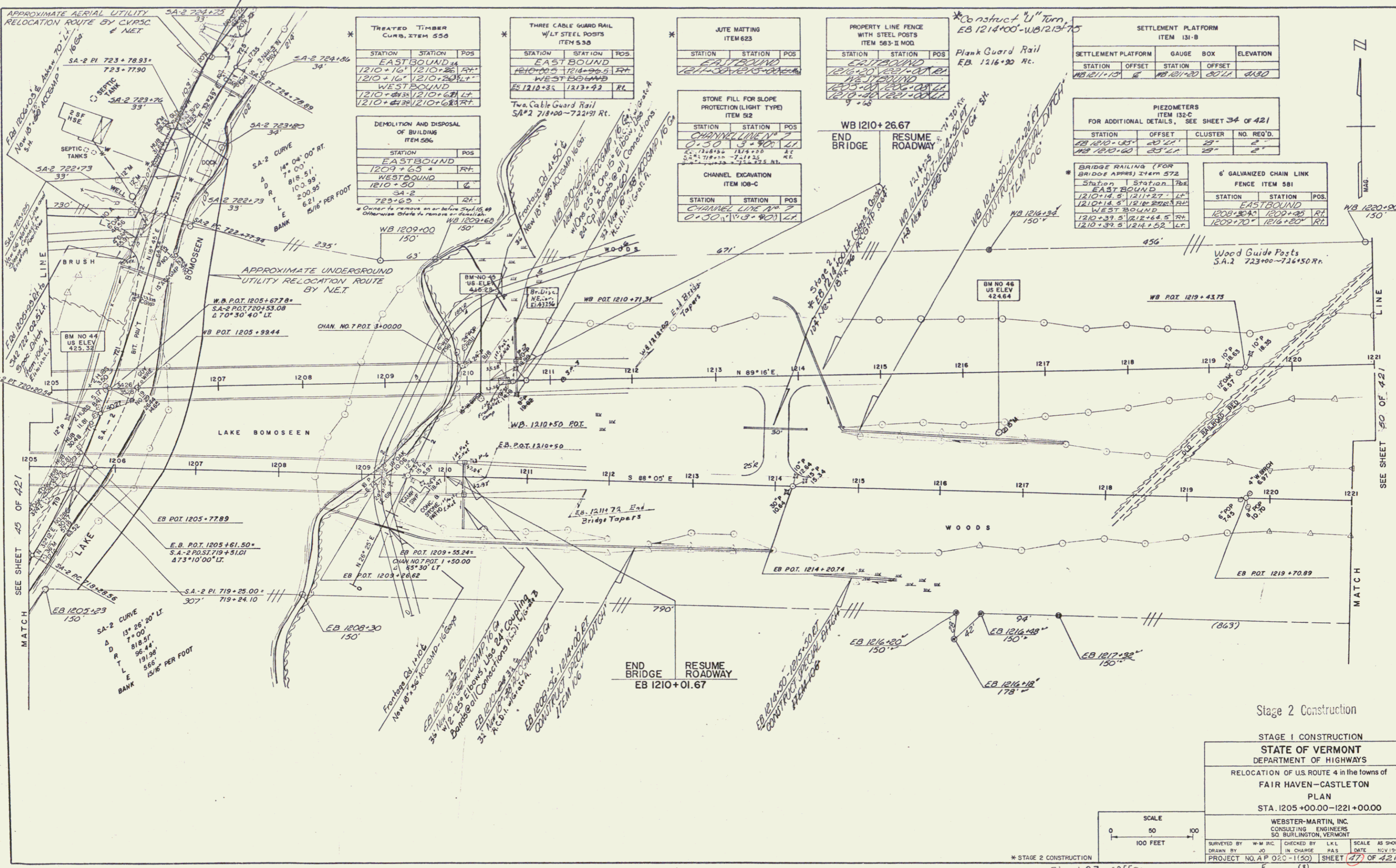
RELOCATION OF U.S. ROUTE 4 IN THE TOWNS OF
FAIR HAVEN - CASTLETON

PLAN
STA. 1190+00.00 - 1205+00.00

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

DESIGNED BY W.M.P. CHECKED BY L.K.L. SCALE AS SHOWN
DRAWN BY J.D. IN CHARGE: R.A.S. DATE: NOV. 1988

PROJECT NO. A.P. 020-1(20) SHEET 45 OF 421



TREATED TIMBER CURBS ITEM 550

STATION	STATION	POS
EAST BOUND		
1210+16	1210+36	RT
WEST BOUND		
1210+43	1210+63	LT
1210+63	1210+83	RT

THREE CABLE GUARD RAIL W/LT STEEL POSTS ITEM 530

STATION	STATION	POS
EAST BOUND		
1210+16	1210+36	RT
WEST BOUND		
1210+43	1210+63	LT
1210+63	1210+83	RT

JUTE MATTING ITEM 623

STATION	STATION	POS
EAST BOUND		
1211+30	1211+50	RT
WEST BOUND		
1211+30	1211+50	LT

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II MOD

STATION	STATION	POS
EAST BOUND		
1210+20	1210+40	RT
WEST BOUND		
1210+20	1210+40	LT

SETTLEMENT PLATFORM ITEM 131-B

STATION	OFFSET	STATION	OFFSET	ELEVATION
WB 1211+15	2'	WB 1211+20	20' LT	41.80

PIEZOMETERS FOR ADDITIONAL DETAILS, SEE SHEET 34 OF 421

STATION	OFFSET	CLUSTER	NO. REQ'D.
EB 1210+85	20' RT	29	2
WB 1210+60	25' LT	29	2

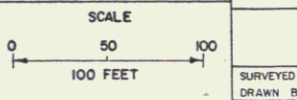
BRIDGE RAILING (FOR BRIDGE APPROX) ITEM 572

Station	Station	Pos
EAST BOUND		
1210+14.5	1211+27	LT
WEST BOUND		
1210+14.5	1211+27	RT
1210+39.5	1212+62.5	RT
1210+39.5	1214+152	LT

6' GALVANIZED CHAIN LINK FENCE ITEM 581

STATION	STATION	POS
EAST BOUND		
1208+84	1209+45	RT
WEST BOUND		
1209+70	1216+20	RT

Wood Guide Posts S.A.2 723+00-716+50 RT.



Stage 2 Construction

STAGE 1 CONSTRUCTION

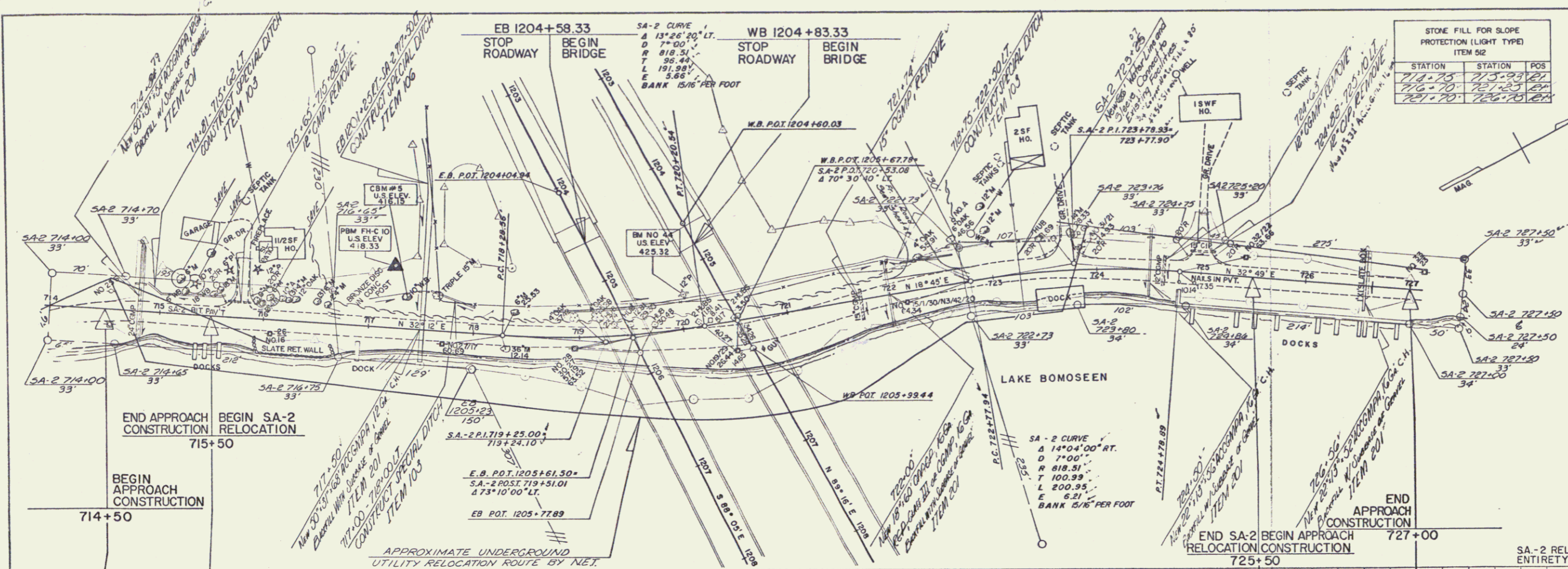
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

RELOCATION OF U.S. ROUTE 4 in the towns of
FAIR HAVEN-CASTLETON
PLAN
STA. 1205+00.00-1221+00.00

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

SURVEYED BY	W.M. INC.	CHECKED BY	L.K.L.	SCALE	AS SHOWN
DRAWN BY	40	IN CHARGE	P.A.S.	DATE	NOV/98
PROJECT NO.	A.P. 020-11(50)	SHEET	47	OF	421

Sheet 93 of 255 Sheets



STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 52		
STATION	STATION	POS
714+70	715+50	121
716+70	717+25	121
721+70	722+75	121

REMOVE EXISTING ROAD SURFACE COMMON EXCAVATION, CLASS I ITEM 103-A-1		
STATION	STATION	POS
714+50	727+00	-

CONSTRUCT DRIVE		
STATION	STATION	POS
715+70	716+00	41
723+30	723+60	41
725+00	725+00	41

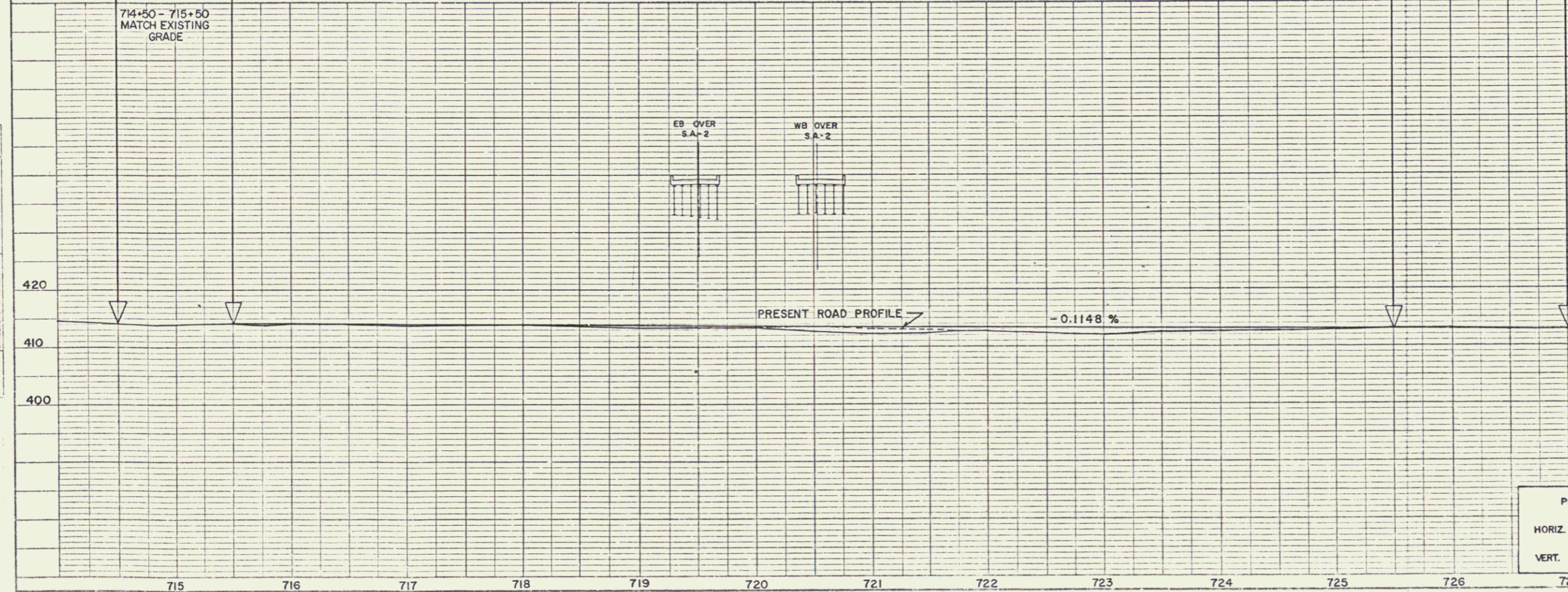
TWO CABLE GUARD RAIL ITEM 541		
STATION	STATION	POS
714+60	714+90	41
716+60	716+90	41
717+30	717+70	41

CHANNEL EXCAVATION ITEM 108-C		
STATION	STATION	POS
716+70	717+25	41
727+70	727+70	41

DEMOLITION AND DISPOSAL OF BUILDING ITEM 506		
STATION	STATION	POS
725+63	725+63	41

PLAN
 DATE: _____
 BY: _____
 CHECKED: _____
 APPROVED: _____
 TITLE: _____

PROFILE
 DATE: _____
 BY: _____
 CHECKED: _____
 APPROVED: _____
 TITLE: _____



SA-2 RELOCATION IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION.

STAGE I CONSTRUCTION
 STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 RELOCATION OF U.S. ROUTE 4 IN THE TOWNS OF
 FAIR HAVEN - CASTLETON
 S.A.-2 RELOCATION
 PLAN & PROFILE
 STA. 714+0000-727+0000
 WEBSTER-MARTIN, INC.
 CONSULTING ENGINEERS
 50 BURLINGTON, VERMONT
 SURVEYED BY: W.M., INC. CHECKED BY: L.L.C. SCALE AS SHOWN
 DRAWN BY: R.E. IN CHARGE: R.A.S. DATE: NOV 1968
 PROJECT NO. A.P. 020-1(80) SHEET 29 OF 421

PROFILE SCALE
 HORIZ. 50 FEET
 VERT. 10 FEET

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512		
STATION	STATION	POS
EASTBOUND		
1221+00	1221+50	Lt
1221+50	1222+00	Rt
WESTBOUND		
1222+00	1222+50	Lt
1222+50	1223+00	Rt

RIPRAP (HEAVY TYPE) ITEM 513-A		
STATION	STATION	POS
EASTBOUND		
1221+00	1221+50	Lt
1221+50	1222+00	Rt
WESTBOUND		
1222+00	1222+50	Lt
1222+50	1223+00	Rt

CONSTRUCT DRIVE		
STATION	STATION	POS
FRONTAGE ROAD		
1223+00	1223+00	Lt

Plank Guard Rail
W.B. 1221+50 Lt.

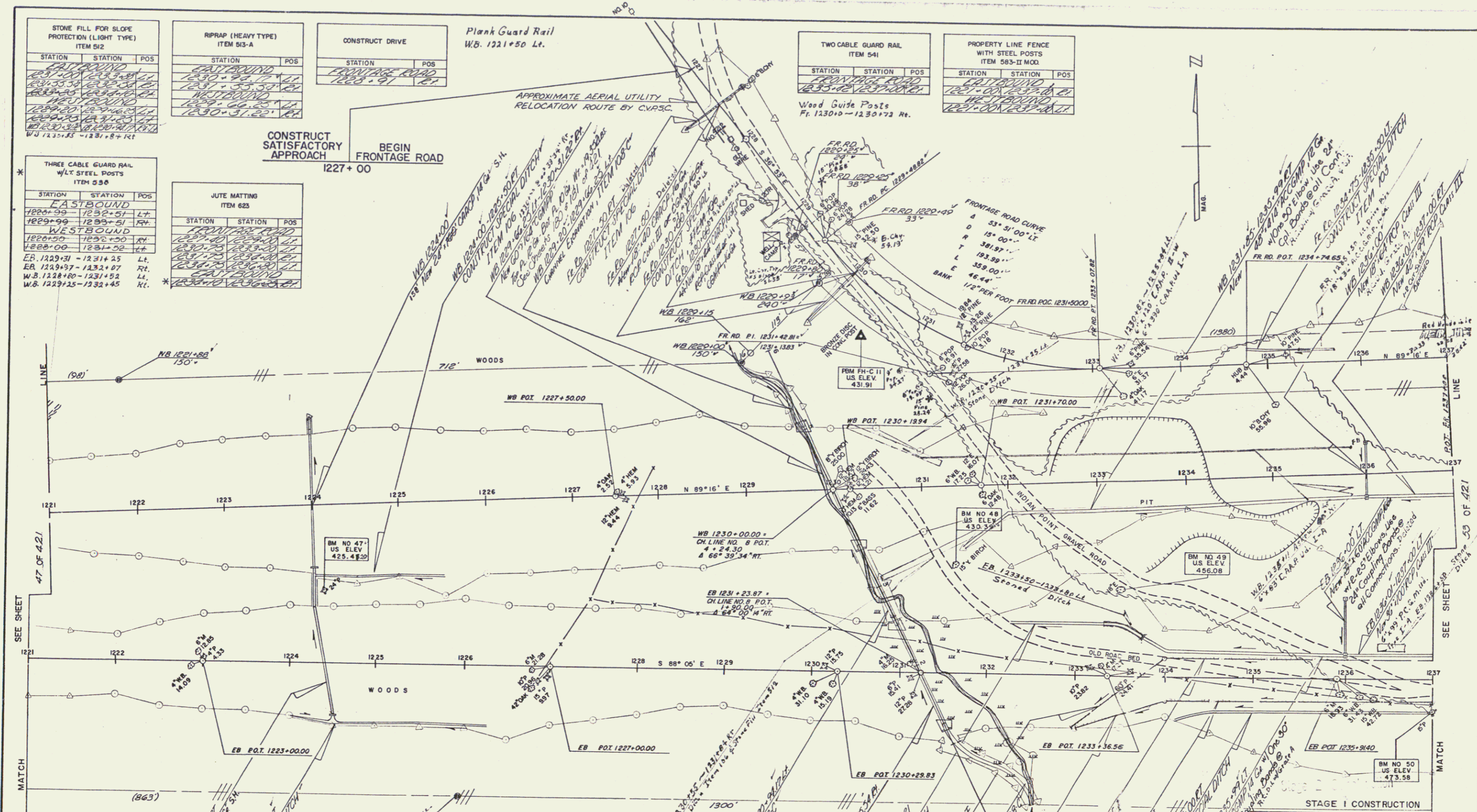
TWO CABLE GUARD RAIL ITEM 541		
STATION	STATION	POS
FRONTAGE ROAD		
1235+00	1235+00	Lt

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II MOD.		
STATION	STATION	POS
EASTBOUND		
1221+00	1221+00	Lt
WESTBOUND		
1221+00	1221+00	Rt

THREE CABLE GUARD RAIL W/LT STEEL POSTS ITEM 558		
STATION	STATION	POS
EASTBOUND		
1221+00	1221+50	Lt
1221+50	1222+00	Rt
WESTBOUND		
1222+00	1222+50	Lt
1222+50	1223+00	Rt

JUTE MATTING ITEM 623		
STATION	STATION	POS
EASTBOUND		
1221+00	1221+50	Lt
1221+50	1222+00	Rt
WESTBOUND		
1222+00	1222+50	Lt
1222+50	1223+00	Rt

CONSTRUCT SATISFACTORY APPROACH
BEGIN FRONTAGE ROAD
1227+00



STAGE 1 CONSTRUCTION

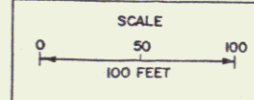
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

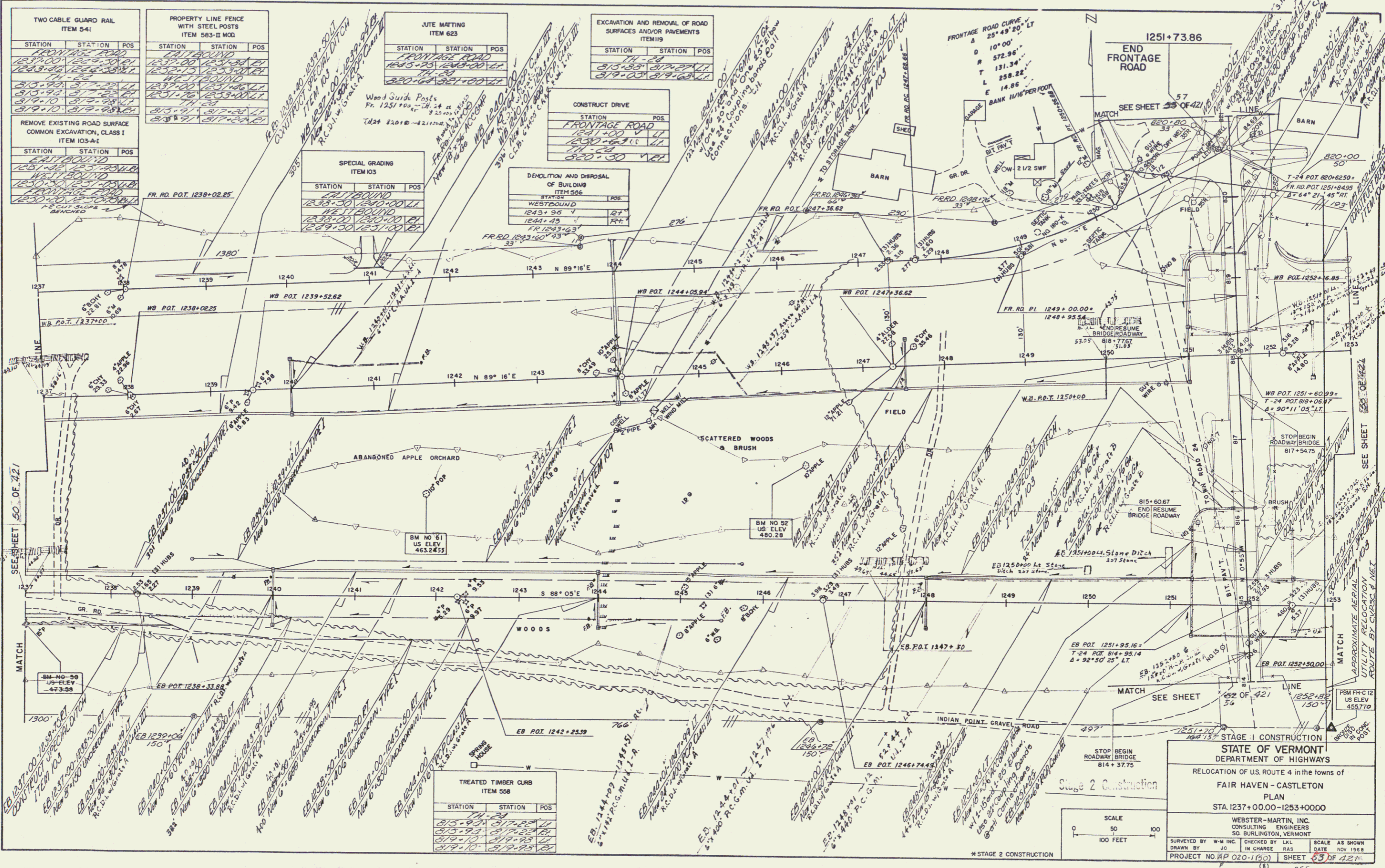
RELOCATION OF U.S. ROUTE 4 in the towns of
FAIR HAVEN - CASTLETON
PLAN
STA. 1221+00.00 - 1237+00.00

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

DESIGNED BY W-M INC. CHECKED BY LKL SCALE AS SHOWN
DRAWN BY JLD IN CHARGE RAS DATE NOV 1968

PROJECT NO. A P 020-1(50) SHEET 20 OF 221





TWO CABLE GUARD RAIL
ITEM 54-I

STATION	STATION	POS
FRONTAGE ROAD		
1237+00	1237+00	1237+00
1238+00	1238+00	1238+00
1239+00	1239+00	1239+00
1240+00	1240+00	1240+00
1241+00	1241+00	1241+00
1242+00	1242+00	1242+00
1243+00	1243+00	1243+00
1244+00	1244+00	1244+00
1245+00	1245+00	1245+00
1246+00	1246+00	1246+00
1247+00	1247+00	1247+00
1248+00	1248+00	1248+00
1249+00	1249+00	1249+00
1250+00	1250+00	1250+00
1251+00	1251+00	1251+00
1252+00	1252+00	1252+00
1253+00	1253+00	1253+00

PROPERTY LINE FENCE WITH STEEL POSTS
ITEM 583-II MOD

STATION	STATION	POS
FRONTAGE ROAD		
1237+00	1237+00	1237+00
1238+00	1238+00	1238+00
1239+00	1239+00	1239+00
1240+00	1240+00	1240+00
1241+00	1241+00	1241+00
1242+00	1242+00	1242+00
1243+00	1243+00	1243+00
1244+00	1244+00	1244+00
1245+00	1245+00	1245+00
1246+00	1246+00	1246+00
1247+00	1247+00	1247+00
1248+00	1248+00	1248+00
1249+00	1249+00	1249+00
1250+00	1250+00	1250+00
1251+00	1251+00	1251+00
1252+00	1252+00	1252+00
1253+00	1253+00	1253+00

JUTE MATTING
ITEM 623

STATION	STATION	POS
FRONTAGE ROAD		
1237+00	1237+00	1237+00
1238+00	1238+00	1238+00
1239+00	1239+00	1239+00
1240+00	1240+00	1240+00
1241+00	1241+00	1241+00
1242+00	1242+00	1242+00
1243+00	1243+00	1243+00
1244+00	1244+00	1244+00
1245+00	1245+00	1245+00
1246+00	1246+00	1246+00
1247+00	1247+00	1247+00
1248+00	1248+00	1248+00
1249+00	1249+00	1249+00
1250+00	1250+00	1250+00
1251+00	1251+00	1251+00
1252+00	1252+00	1252+00
1253+00	1253+00	1253+00

EXCAVATION AND REMOVAL OF ROAD SURFACES AND/OR PAVEMENTS
ITEM 119

STATION	STATION	POS
FRONTAGE ROAD		
1237+00	1237+00	1237+00
1238+00	1238+00	1238+00
1239+00	1239+00	1239+00
1240+00	1240+00	1240+00
1241+00	1241+00	1241+00
1242+00	1242+00	1242+00
1243+00	1243+00	1243+00
1244+00	1244+00	1244+00
1245+00	1245+00	1245+00
1246+00	1246+00	1246+00
1247+00	1247+00	1247+00
1248+00	1248+00	1248+00
1249+00	1249+00	1249+00
1250+00	1250+00	1250+00
1251+00	1251+00	1251+00
1252+00	1252+00	1252+00
1253+00	1253+00	1253+00

CONSTRUCT DRIVE

STATION	POS
FRONTAGE ROAD	
1237+00	1237+00
1238+00	1238+00
1239+00	1239+00
1240+00	1240+00
1241+00	1241+00
1242+00	1242+00
1243+00	1243+00
1244+00	1244+00
1245+00	1245+00
1246+00	1246+00
1247+00	1247+00
1248+00	1248+00
1249+00	1249+00
1250+00	1250+00
1251+00	1251+00
1252+00	1252+00
1253+00	1253+00

SPECIAL GRADING
ITEM 103

STATION	STATION	POS
FRONTAGE ROAD		
1237+00	1237+00	1237+00
1238+00	1238+00	1238+00
1239+00	1239+00	1239+00
1240+00	1240+00	1240+00
1241+00	1241+00	1241+00
1242+00	1242+00	1242+00
1243+00	1243+00	1243+00
1244+00	1244+00	1244+00
1245+00	1245+00	1245+00
1246+00	1246+00	1246+00
1247+00	1247+00	1247+00
1248+00	1248+00	1248+00
1249+00	1249+00	1249+00
1250+00	1250+00	1250+00
1251+00	1251+00	1251+00
1252+00	1252+00	1252+00
1253+00	1253+00	1253+00

DEMOLITION AND DISPOSAL OF BUILDINGS
ITEM 556

STATION	POS
WESTBOUND	
1243+35	1243+35
1244+45	1244+45
FR 1243+63	1243+63
FR 1243+60	1243+60

TREATED TIMBER CURB
ITEM 558

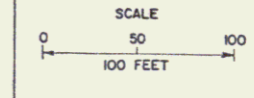
STATION	STATION	POS
FRONTAGE ROAD		
1237+00	1237+00	1237+00
1238+00	1238+00	1238+00
1239+00	1239+00	1239+00
1240+00	1240+00	1240+00
1241+00	1241+00	1241+00
1242+00	1242+00	1242+00
1243+00	1243+00	1243+00
1244+00	1244+00	1244+00
1245+00	1245+00	1245+00
1246+00	1246+00	1246+00
1247+00	1247+00	1247+00
1248+00	1248+00	1248+00
1249+00	1249+00	1249+00
1250+00	1250+00	1250+00
1251+00	1251+00	1251+00
1252+00	1252+00	1252+00
1253+00	1253+00	1253+00

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
RELOCATION OF U.S. ROUTE 4 IN THE TOWNS OF
FAIR HAVEN - CASTLETON
PLAN
STA. 1237+00.00 - 1253+00.00

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

SURVEYED BY W-M INC. CHECKED BY LAL SCALE AS SHOWN
DRAWN BY JO IN CHARGE RAS DATE NOV 1968

PROJECT NO AP 020-130 SHEET 63 OF 121



*STAGE 2 CONSTRUCTION

TREATED TIMBER CURB ITEM 556		
STATION	STATION	POS
813+25	814+25	LI
813+25	814+25	LI

TOP SOIL ITEM 621		
STATION	STATION	POS
811+70	813+25	LI

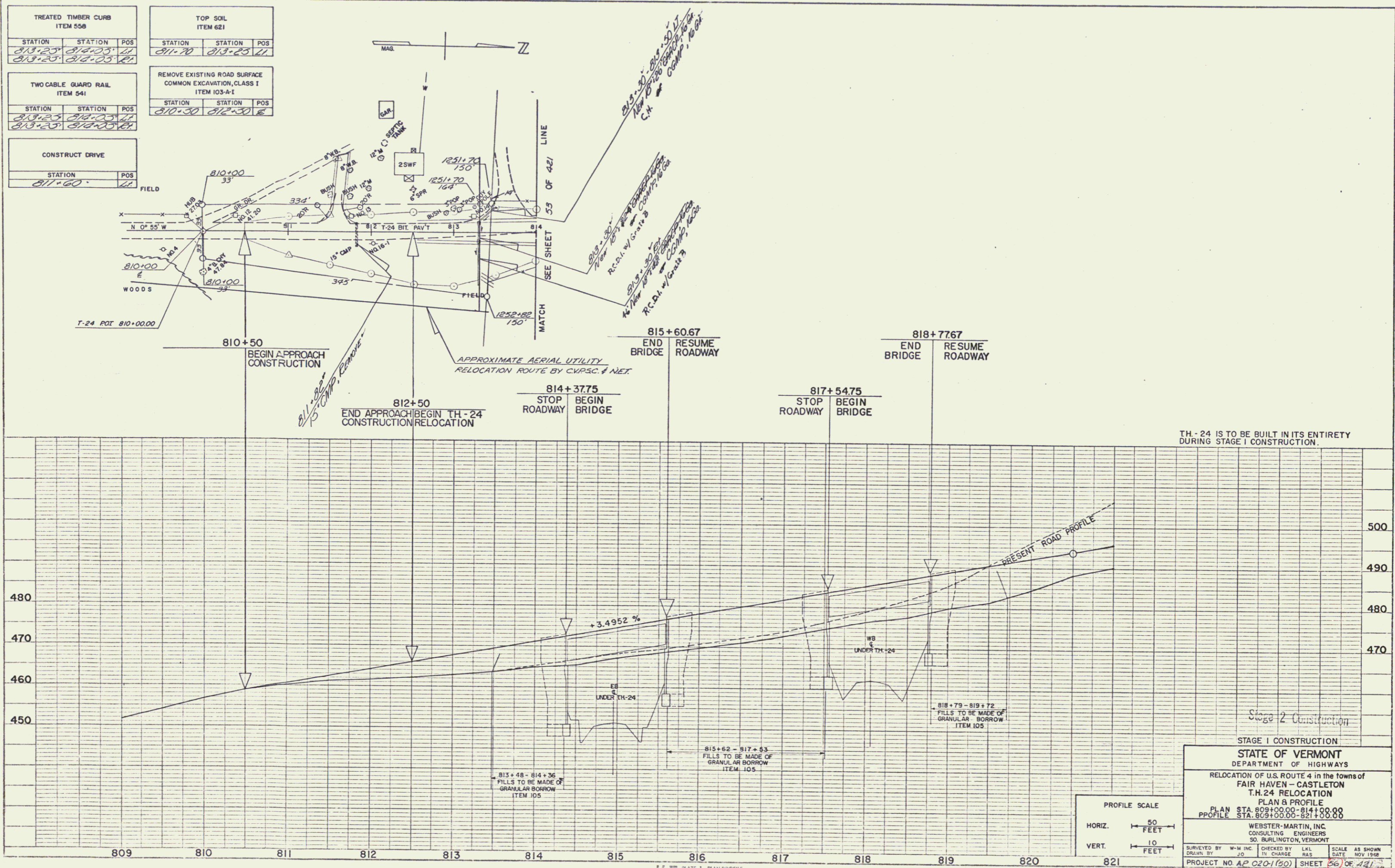
TWO CABLE GUARD RAIL ITEM 541		
STATION	STATION	POS
810+25	814+25	LI
813+25	814+25	LI

REMOVE EXISTING ROAD SURFACE COMMON EXCAVATION, CLASS I ITEM 103-4-1		
STATION	STATION	POS
810+30	812+30	E

CONSTRUCT DRIVE	
STATION	POS
811+60	LI

PLAN
REVISIONS
DATE
BY
CHECKED
BY
DATE
NO. 1

PROFILE
DATE
BY
CHECKED
BY
DATE
NO. 1



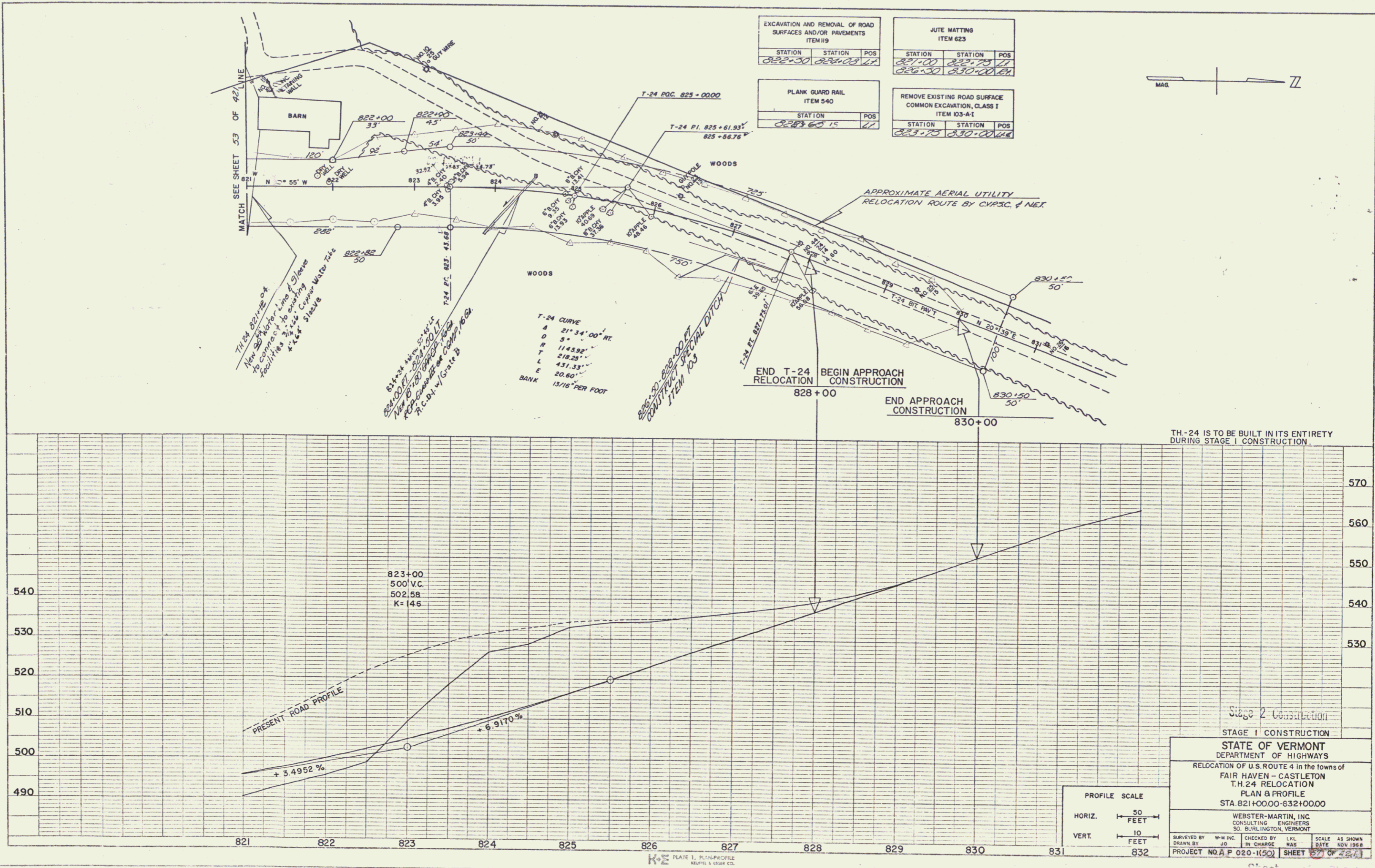
TH - 24 IS TO BE BUILT IN ITS ENTIRETY DURING STAGE I CONSTRUCTION.

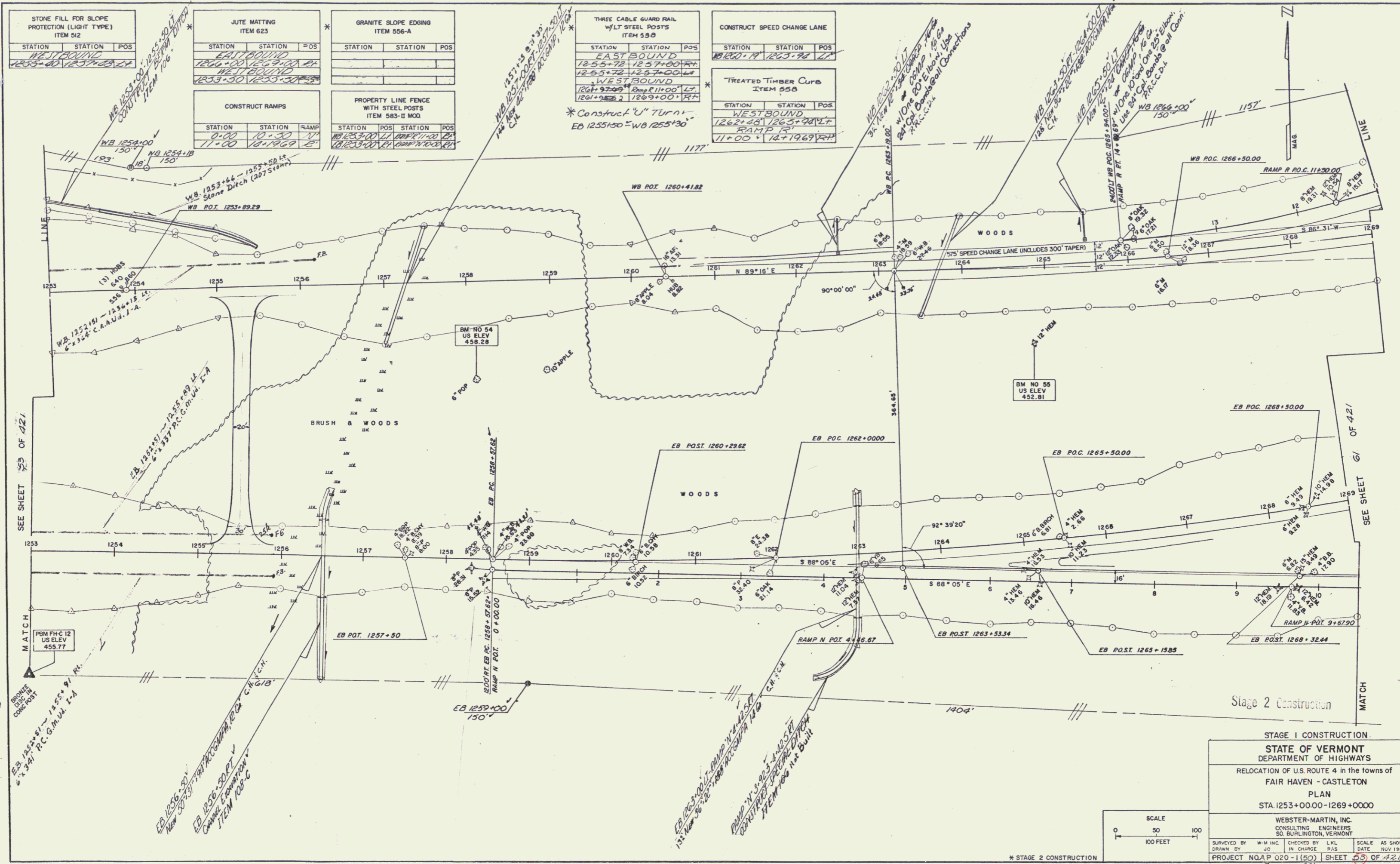
STAGE 1 CONSTRUCTION
STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 RELOCATION OF U.S. ROUTE 4 in the towns of
 FAIR HAVEN - CASTLETON
 T.H. 24 RELOCATION
 PLAN & PROFILE
 PLAN STA. 809+00.00 - 814+00.00
 PROFILE STA. 809+00.00 - 821+00.00
 WESTER-MARTIN, INC.
 CONSULTING ENGINEERS
 50 BURLINGTON, VERMONT
 SURVEYED BY W.M. INC. CHECKED BY L.M. DATE NOV 1968
 DRAWN BY J.D. IN CHARGE FILE SCALE AS SHOWN
 PROJECT NO. AP 0201(80) SHEET 56 OF 49

PLATE 1, PLAN PROFILE
 48 7013 IMPERIAL

PLAN
 CHECKED BY: [Signature]
 DATE: [Date]
 DRAWN BY: [Signature]
 DATE: [Date]

PROFILE
 CHECKED BY: [Signature]
 DATE: [Date]
 DRAWN BY: [Signature]
 DATE: [Date]





STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512		
STATION	STATION	POS
1253+00	1257+00	1253+00
1253+00	1257+00	1253+00

JUTE MATTING ITEM 623		
STATION	STATION	POS
1256+00	1269+00	1256+00
1253+30	1253+30	1253+30

GRANITE SLOPE EDGING ITEM 556-A		
STATION	STATION	POS

THREE CABLE GUARD RAIL W/ L STEEL POSTS ITEM 539		
STATION	STATION	POS
1255+72	1257+00	1255+72
1255+72	1257+00	1255+72

CONSTRUCT SPEED CHANGE LANE		
STATION	STATION	POS
1260+00	1265+00	1260+00
1260+00	1265+00	1260+00

CONSTRUCT RAMPS		
STATION	STATION	RAMP
0+00	10+30	17
11+00	18+12.69	21

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II MOD.			
STATION	POS	STATION	POS
1253+00	1253+00	1253+00	1253+00
1253+00	1253+00	1253+00	1253+00

STAGE 1 CONSTRUCTION

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

RELOCATION OF U.S. ROUTE 4 in the towns of
FAIR HAVEN - CASTLETON

PLAN

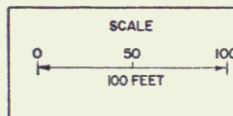
STA. 1253+00.00 - 1269+00.00

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

SURVEYED BY: W.M. INC. CHECKED BY: L.K.L. SCALE: AS SHOWN
DRAWN BY: J.O. IN CHARGE: R.A.S. DATE: NOV 1968

PROJECT: NOLA P 020-1(50) SHEET: 25 OF 421

Sheet 101 of 255 sheets



PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II MOD.

STATION	STATION	POS
10+30	11+00	RT
11+00	11+20	RT
11+20	11+40	RT
11+40	11+60	RT
11+60	11+80	RT
11+80	12+00	RT

GRANITE SLOPE EDGING ITEM 556-A

STATION	STATION	POS
91+00	91+50	RT
91+50	92+00	RT
92+00	92+50	RT
92+50	93+00	RT
93+00	93+50	RT
93+50	94+00	RT

Duplicate Present Concrete Cement Slabs Edging Vt. Rt. # 33 3/4" x 10" x 12"

Granite Slope 3" x 3"

WP. 1269100-127+37 RT.
 W.R. 1273+89-1274+88 LT.
 W.B. 1284+54-1284+00 RT.
 W.B. 128+94-128+00 LT.
 E.B. 1270+89-1271+49 LT.
 E.B. 1276+09-1284+00 LT.
 E.B. 1278+25-1279+53 RT.

CONSTRUCT SPEED CHANGE LANE

STATION	STATION	POS
1272+00	1272+00	RT
1272+00	1272+00	RT
1272+00	1272+00	RT
1272+00	1272+00	RT
1272+00	1272+00	RT
1272+00	1272+00	RT

CONSTRUCT ISLAND

STATION	STATION	POS
91+00	91+50	RT
91+50	92+00	RT
92+00	92+50	RT
92+50	93+00	RT
93+00	93+50	RT
93+50	94+00	RT

REMOVE EXISTING ROAD SURFACE COMMON EXCAVATION, CLASS I ITEM 103-A-1

STATION	STATION	POS
91+00	91+50	RT
91+50	92+00	RT
92+00	92+50	RT
92+50	93+00	RT
93+00	93+50	RT
93+50	94+00	RT

BITUMINOUS CONCRETE SURFACE FOR GUTTERS AND TRAFFIC ISLANDS ITEM 504-MOD.

STATION	STATION	POS
91+00	91+50	RT
91+50	92+00	RT
92+00	92+50	RT
92+50	93+00	RT
93+00	93+50	RT
93+50	94+00	RT

TREATED TIMBER CURB ITEM 590

STATION	STATION	POS
1273+48	1276+05	LT
1276+05	1276+05	LT
1276+05	1276+05	LT
1276+05	1276+05	LT
1276+05	1276+05	LT
1276+05	1276+05	LT

WB CURVE

Δ	19° 22' 40" LT
D	1° 00' 00"
R	5729.58
T	578.23
E	1937.78
C	62.91
BANK	3/4" PER FOOT

RAMP R CURVE

Δ	26° 25' 00" RT
D	4° 00' 00"
R	1432.40
T	336.19
L	660.42
E	38.92
C	62.91
BANK	3/4" PER FOOT

EB CURVE

Δ	24° 42' 00" LT
D	1° 00' 00"
R	5729.58
T	1254.49
L	2470.00
E	135.73
BANK	3/4" PER FOOT

CONSTRUCT RAMPS

STATION	STATION	RAMP
10+30	11+00	RT
11+00	11+20	RT
11+20	11+40	RT
11+40	11+60	RT
11+60	11+80	RT
11+80	12+00	RT

SETTLEMENT PLATFORM ITEM 131-B

STATION	STATION	OFFSET	ELEV.
1273+30	1273+30	2.0	1273.30
1273+30	1273+30	2.0	1273.30
1273+30	1273+30	2.0	1273.30
1273+30	1273+30	2.0	1273.30
1273+30	1273+30	2.0	1273.30
1273+30	1273+30	2.0	1273.30

PIEZOMETERS ITEM 132-C

STATION	STATION	OFFSET	CLUSTER NO.
1273+30	1273+30	2.0	1
1273+30	1273+30	2.0	1
1273+30	1273+30	2.0	1
1273+30	1273+30	2.0	1
1273+30	1273+30	2.0	1
1273+30	1273+30	2.0	1

JUTE MATTING ITEM 623

STATION	STATION	POS
1269+00	1269+00	RT
1269+00	1269+00	RT
1269+00	1269+00	RT
1269+00	1269+00	RT
1269+00	1269+00	RT
1269+00	1269+00	RT

THREE CABLE GUARD RAIL W/LT STEEL POSTS ITEM 538

STATION	STATION	POS
1269+98	1273+02	LT
1273+02	1273+02	LT
1273+02	1273+02	LT
1273+02	1273+02	LT
1273+02	1273+02	LT
1273+02	1273+02	LT

DEMOLITION AND DISPOSAL OF BUILDINGS ITEM 586

STATION	STATION	POS
1274+16	1274+16	RT
1274+16	1274+16	RT
1274+16	1274+16	RT
1274+16	1274+16	RT
1274+16	1274+16	RT
1274+16	1274+16	RT

BRIDGE RAILING (FOR BRIDGE APPROX) ITEM 672

STATION	STATION	POS
1272+22	1274+47	RT
1274+47	1274+47	RT
1274+47	1274+47	RT
1274+47	1274+47	RT
1274+47	1274+47	RT
1274+47	1274+47	RT

FOR PAVEMENT AND SHOULDER WIDTH & CURB DETAILS SEE SHEETS 20-21 OF 421

SCALE

0 50 100

100 FEET

STATE OF VERMONT DEPARTMENT OF HIGHWAYS

RELOCATION OF US ROUTE 4 in the town of FAIR HAVEN - CASTLETON

PLAN STA. 1269+00.00-1284+00.00

WEBSTER-MARTIN, INC. CONSULTING ENGINEERS 50 BURLINGTON, VERMONT

SURVEYED BY W.M. INC. CHECKED BY L.L.L. SCALE AS SHOWN DATE NOV. 1984

PROJECT NO. AP 020-1(2) SHEET 104 OF 421

104 0.255 SHEETS

STAGE 1 CONSTRUCTION

STAGE 2 CONSTRUCTION

APPROXIMATE UNDERGROUND UTILITY RELOCATION ROUTE BY N.E.T.

TRAFFIC TURNING MOVEMENT DIAGRAM 1985 DHV

RESUME ROADWAY

RESUME ROADWAY

RESUME ROADWAY

RESUME ROADWAY

RESUME ROADWAY

RESUME ROADWAY

RESUME ROADWAY

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RESUME ROADWAY

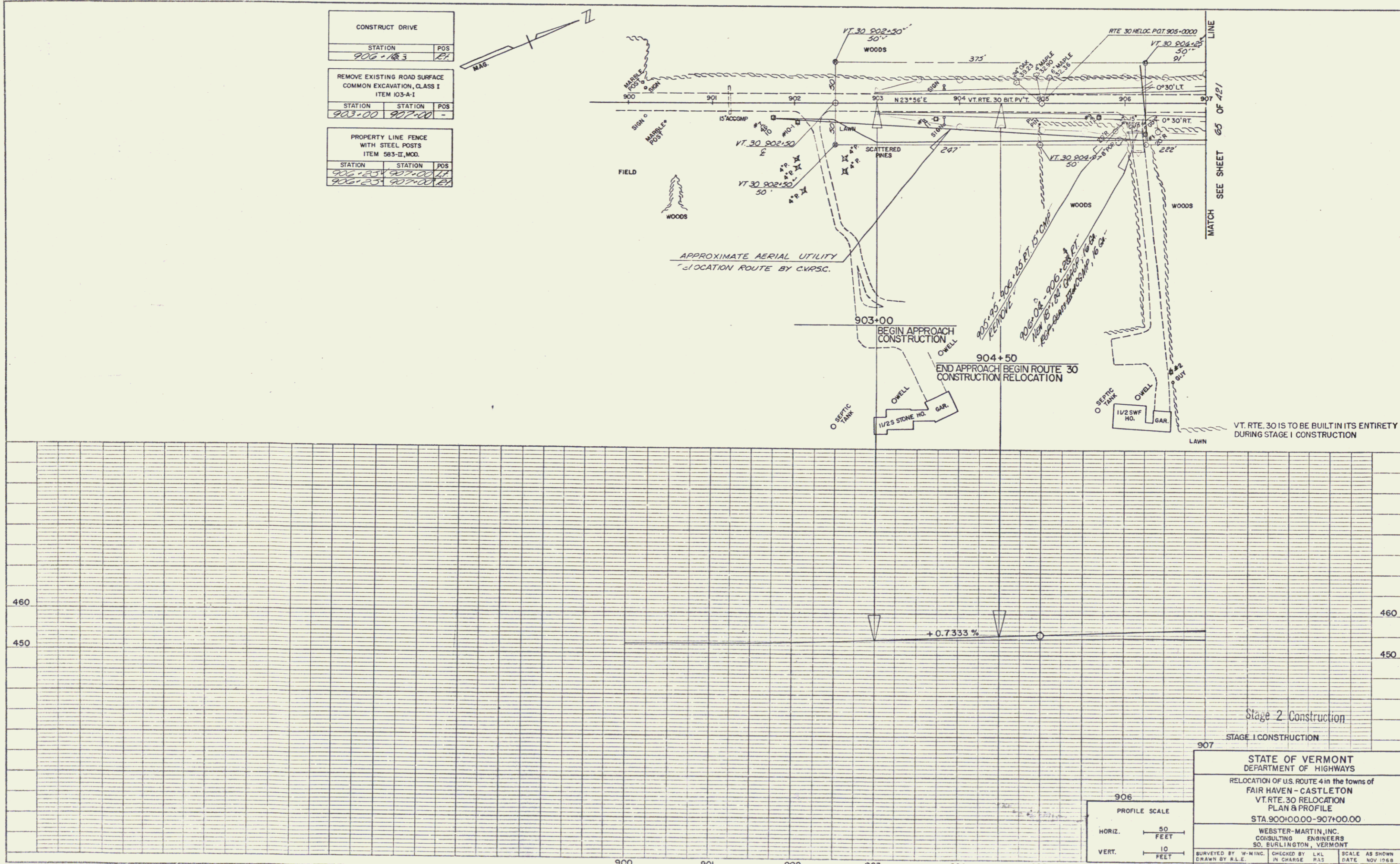
PLAN
 DATE: _____ BY: _____
 CHECKED BY: _____
 DRAWN BY: _____
 NO. OF WAYS CHECKED: _____

PROFILE
 DATE: _____ BY: _____
 CHECKED BY: _____
 DRAWN BY: _____
 NO. OF WAYS CHECKED: _____

CONSTRUCT DRIVE		
STATION	POS	
906+18.3	BZ	

REMOVE EXISTING ROAD SURFACE COMMON EXCAVATION, CLASS I ITEM 103-A-1		
STATION	STATION	POS
903+00	907+00	-

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 583-II, MOD.		
STATION	STATION	POS
906+25.4	907+00.0	1.7
906+25.4	907+00.0	1.7



STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 RELOCATION OF U.S. ROUTE 4 in the towns of
 FAIR HAVEN - CASTLETON
 VT. RTE. 30 RELOCATION
 PLAN & PROFILE
 STA 900+00.00 - 907+00.00

WEBSTER-MARTIN, INC.
 CONSULTING ENGINEERS
 50 BURLINGTON, VERMONT

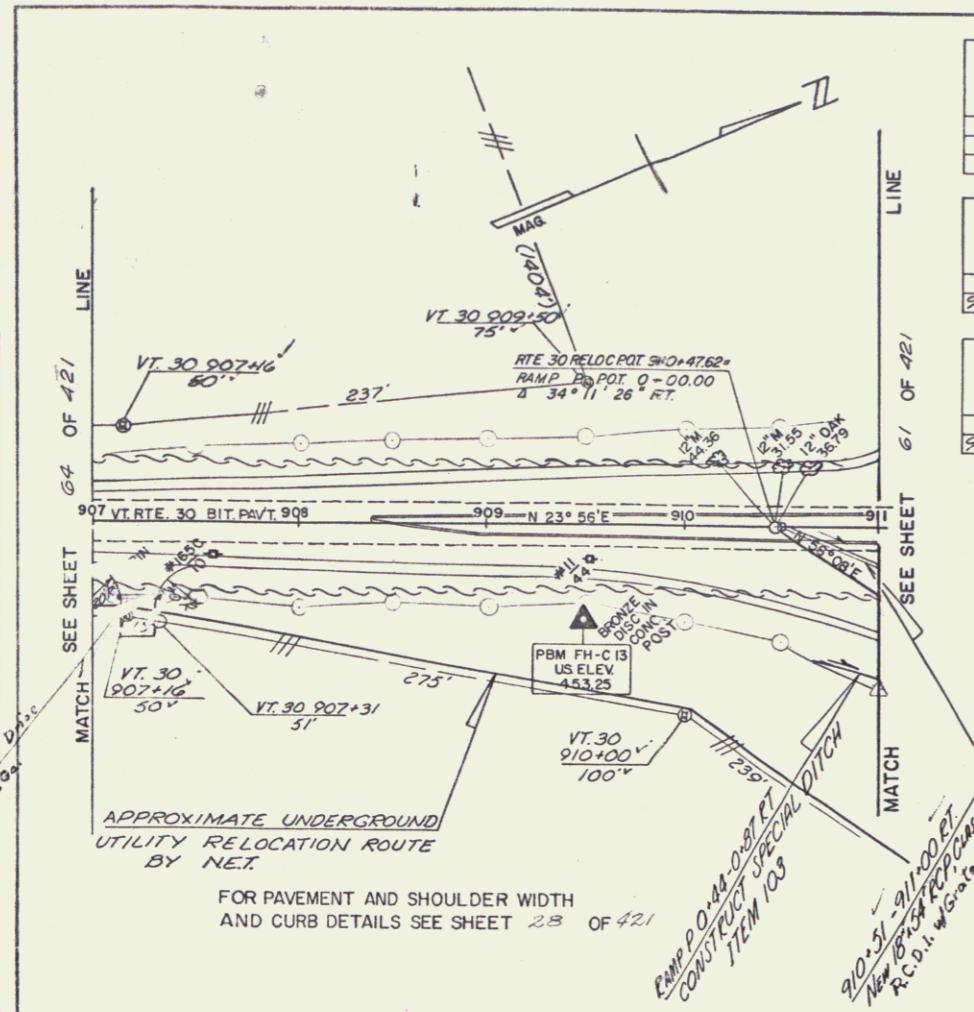
SURVEYED BY: W-M:INC. IN CHARGE: RAS CHECKED BY: LKL SCALE AS SHOWN
 DRAWN BY: R.L.E. DATE: NOV 1988

PROJECT NO. A P 020-1(2) SHEET 64 OF 127

K&E PLATE 1, PLAN PROFILE
 KEITH & ESSER CO.
 48 FOLIO IMPRESSO™ THE WEBSTER GROUP 1988

PLAN
 DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 IN CHARGE: _____
 PROJECT NO. A P 020-1590

PROFILE
 DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 IN CHARGE: _____
 PROJECT NO. A P 020-1590



STATION	STATION	POS.
907+00	911+00	RT
907+00	909+50	RT

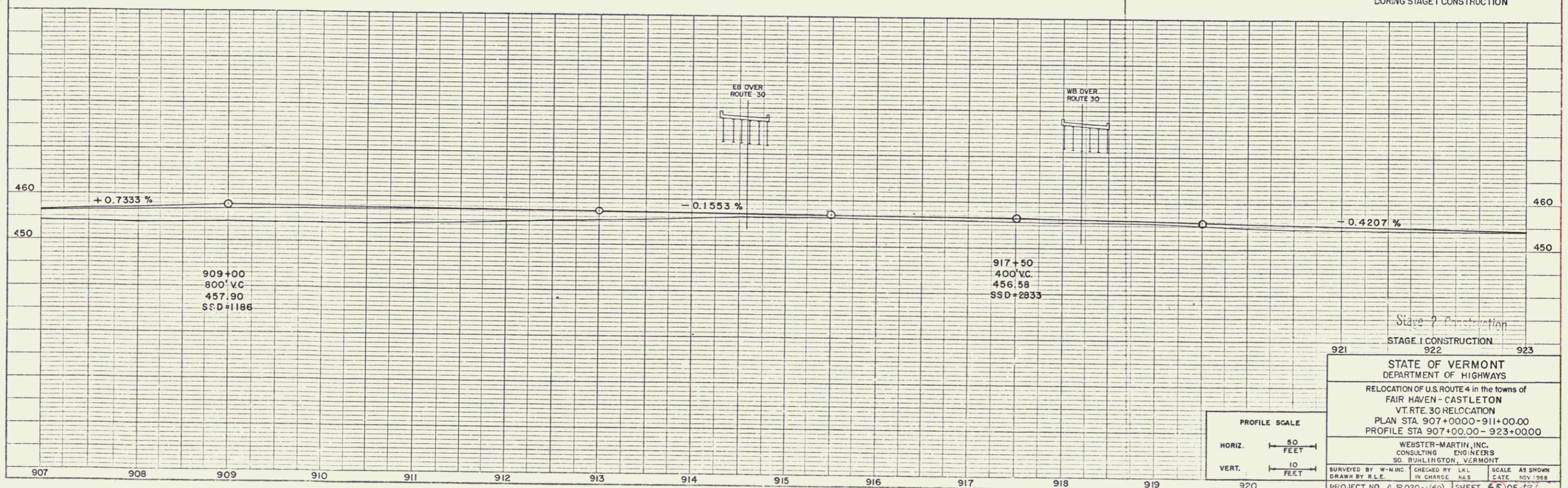
STATION	STATION	POS.
908+39.22	911+00	-

STATION	STATION	POS.
907+23		RT

STATION	STATION	POS.
909+10.6	910+68.8	RT

STATION	STATION	RAMP
907+00	911+00	-

STATION	STATION	POS.
909+37.76	909+80	-



VT. RTE. 30 IS TO BE BUILT IN ITS ENTIRETY DURING STAGE 1 CONSTRUCTION

Stage 2 Construction
 STAGE 1 CONSTRUCTION
 921 922 923

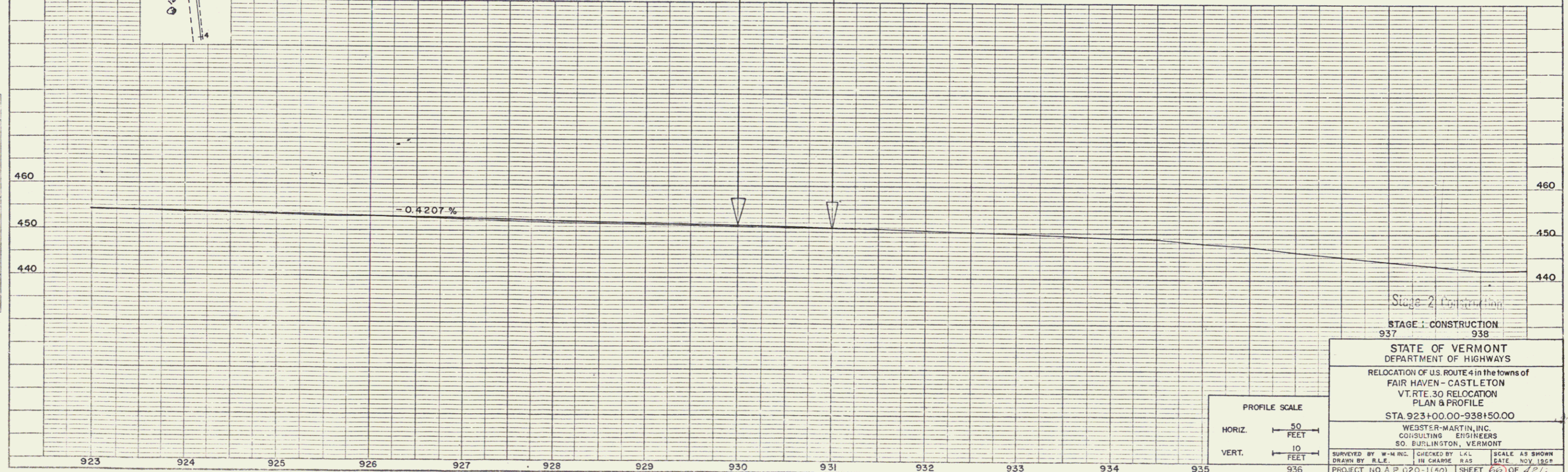
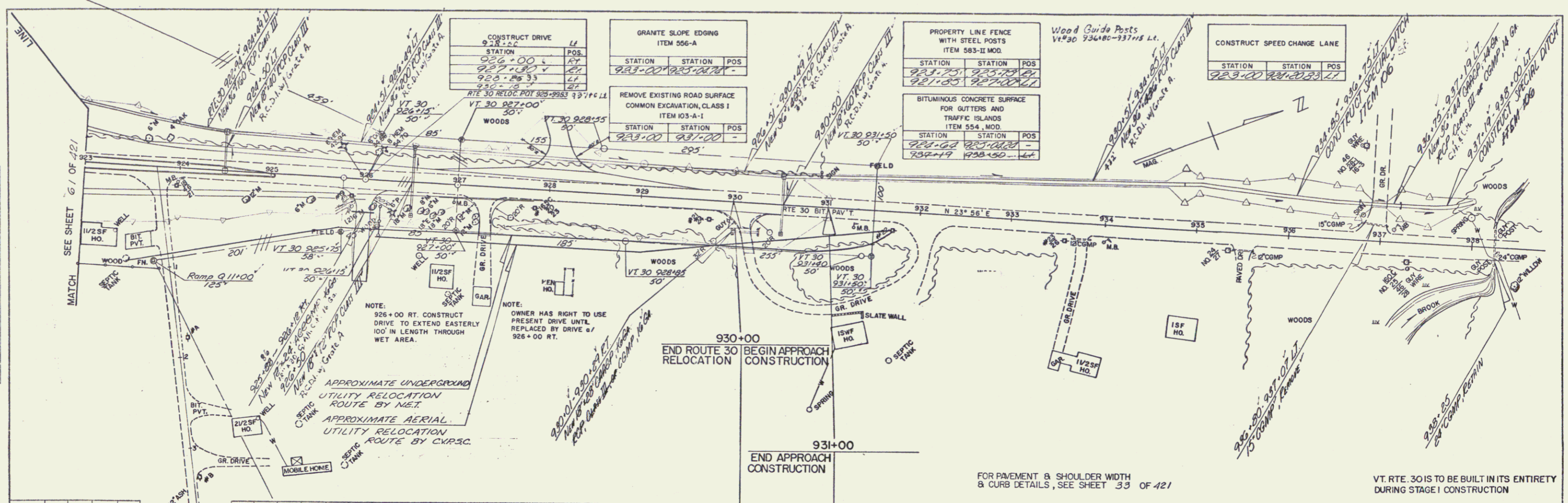
STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS

RELOCATION OF U.S. ROUTE 4 in the towns of
 FAIR HAVEN - CASTLETON
 VT. RTE. 30 RELOCATION
 PLAN STA. 907+00.00 - 911+00.00
 PROFILE STA. 907+00.00 - 923+00.00

WEBSTER-MARTIN, INC.
 CONSULTING ENGINEERS
 50 BURLINGTON, VERMONT

SURVEYED BY: W-M-INC. CHECKED BY: LKL SCALE: AS SHOWN
 DRAWN BY: RLE IN CHARGE: HSS DATE: NOV. 1989
 PROJECT NO. A P 020-1590 SHEET 65 OF 421

of Sheets
 40



PLAN
 CHECKED BY
 REVISIONS
 NO. DATE
 1 11/1/64
 2 11/1/64
 3 11/1/64
 4 11/1/64
 5 11/1/64
 6 11/1/64
 7 11/1/64
 8 11/1/64
 9 11/1/64
 10 11/1/64

PROFILE
 CHECKED BY
 REVISIONS
 NO. DATE
 1 11/1/64
 2 11/1/64
 3 11/1/64
 4 11/1/64
 5 11/1/64
 6 11/1/64
 7 11/1/64
 8 11/1/64
 9 11/1/64
 10 11/1/64

PLATE 1, PLAN PROFILE
 REVISIONS & CHECK
 48 70 12 IMPERIAL

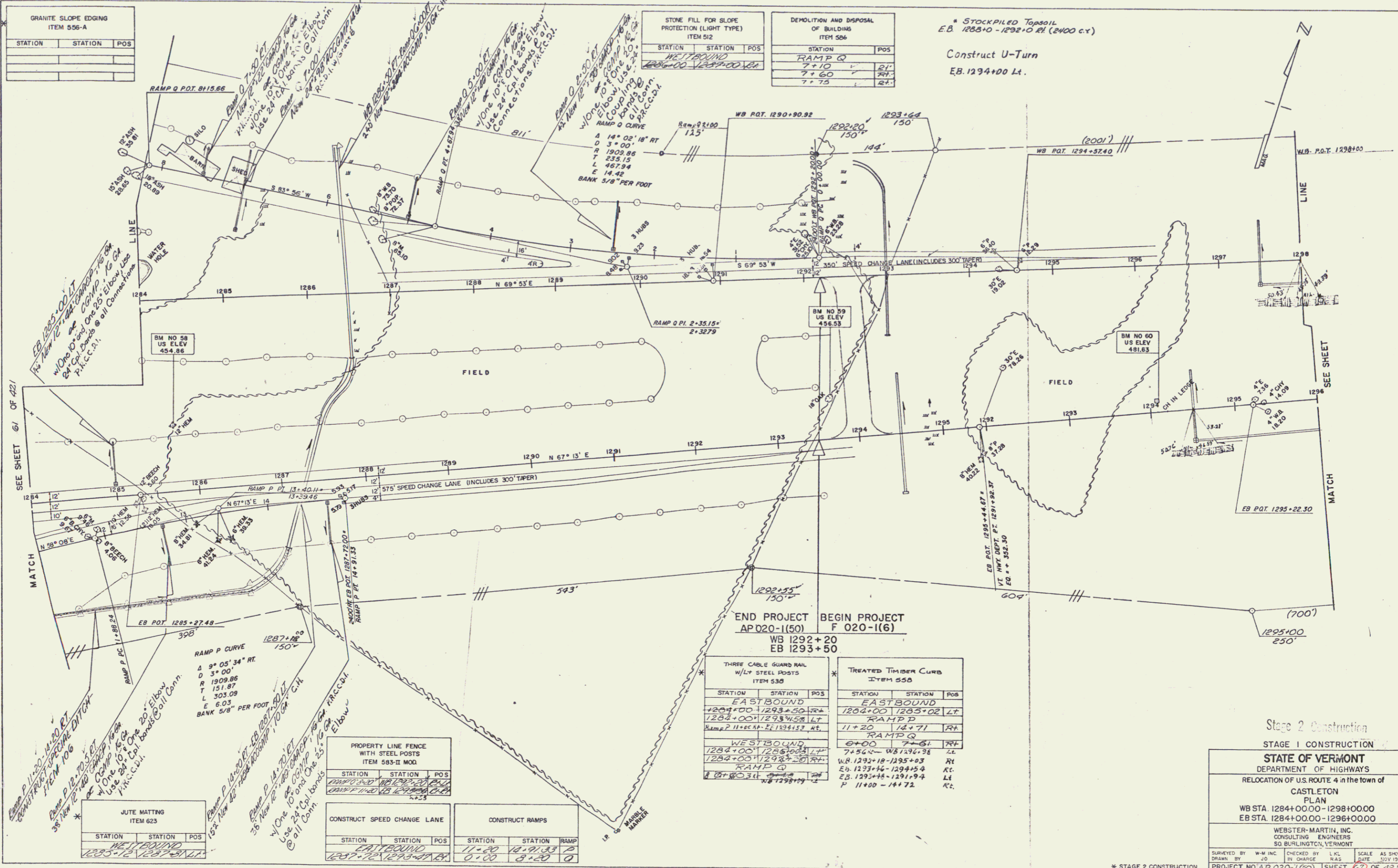
GRANITE SLOPE EDGING ITEM 556-A		
STATION	STATION	POS

STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE) ITEM 512		
STATION	STATION	POS

DEMOLITION AND DISPOSAL OF BUILDINGS ITEM 506		
STATION	STATION	POS

* STOCKPILED TOPSOIL
EB 1285+0 - 1292+0 RI (2400 c.y.)

Construct U-Turn
EB 1294+00 Lt.



SEE SHEET 67 OF 421

SEE SHEET MATCH

END PROJECT BEGIN PROJECT
AP 020-1(50) F 020-1(6)
WB 1292+20
EB 1293+50

THREE CABLE GUARD RAIL W/LY STEEL POSTS ITEM 530			TREATED TIMBER CURB ITEM 550		
STATION	STATION	POS	STATION	STATION	POS
EASTBOUND			EASTBOUND		
1284+00	1289+50	RA	1284+00	1285+02	LT
1282+00	1293+50	LT	RAMP D		
WESTBOUND			RAMP Q		
1284+00	1285+02	LT	11+20	12+71	RT
1282+00	1293+50	RT	12+00	12+51	RT
1284+00	1293+50	RT	12+54	12+94	RT
1284+00	1293+50	RT	12+94	12+95+03	RT
1284+00	1293+50	RT	12+95+14	12+94+54	RT
1284+00	1293+50	RT	12+95+16	12+91+94	LE
1284+00	1293+50	RT	12+95+16	12+91+94	RT
1284+00	1293+50	RT	12+95+16	12+91+94	RT

JUTE MATTING ITEM 623		
STATION	STATION	POS

PROPERTY LINE FENCE WITH STEEL POSTS ITEM 585-B MOD		
STATION	STATION	POS

CONSTRUCT SPEED CHANGE LANE		
STATION	STATION	POS

CONSTRUCT RAMPS		
STATION	STATION	RAMP

Stage 2 Construction
Stage 1 Construction

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
RELOCATION OF U.S. ROUTE 4 in the town of
CASTLETON
PLAN
WB STA. 1284+00.00 - 1298+00.00
EB STA. 1284+00.00 - 1296+00.00

WEBSTER-MARTIN, INC.
CONSULTING ENGINEERS
50 BURLINGTON, VERMONT

SURVEYED BY: W-M INC. CHECKED BY: LKL SCALE: AS SHOWN
DRAWN BY: JO IN CHARGE: RAS DATE: NOV 1958

PROJECT NO. AP 020-1(50) SHEET 67 OF 421
F Shee. 107 of 255