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16 DRAINAGE SHEETS

NOTE: For Right of Way Details see Right of Way Plans for this project.

PROJECT NAME AND NUMBER	TYPE	AREA
FAIR HAVEN - WEST HAVEN - S 0159(1) - BIT. CONC. PVT.	RECORD PLANS	27,476.56
MATERIALS		
SUBBASE OF GRAVEL & SAND - BISHOP PIT, W. HAVEN, VT. SUBBASE OF SAND - MORRIS PIT, FAIR HAVEN, VT. PLANT MIX BASE COURSE - INKATRON PAVING CO., WHITE R. JCT, VT. STONE GRITS - J. P. CARRARA & SON, FOULTNEY, VT. & VT. MARBLE, FLORENCE, VT. PEASTONE - J. P. CARRARA & SON, FOULTNEY, VT. BIT. CONC. PAVEMENT - INKATRON, WHITEHALL, N.Y. CUTBACK ASPHALT - HUMBLE OIL, EVERETT, MASS. EMULSIFIED ASPHALT - CHEVRON ASPHALT, TROY, N.Y. ASPHALT CEMENT - ATLANTIC-RICHFIELD, ALBANY, N.Y. CONC. PIPES, D.I.S., GUARD RAIL ITEMS - S.T. GRISOLD, WILLISTON, V.T. METAL CULV. PIPES - N.E. METAL CULV. CO., WHITE R. JCT, VT. REFINED TAR - HUGGINS TAR PRODUCTS - MALDEN, MASS.		

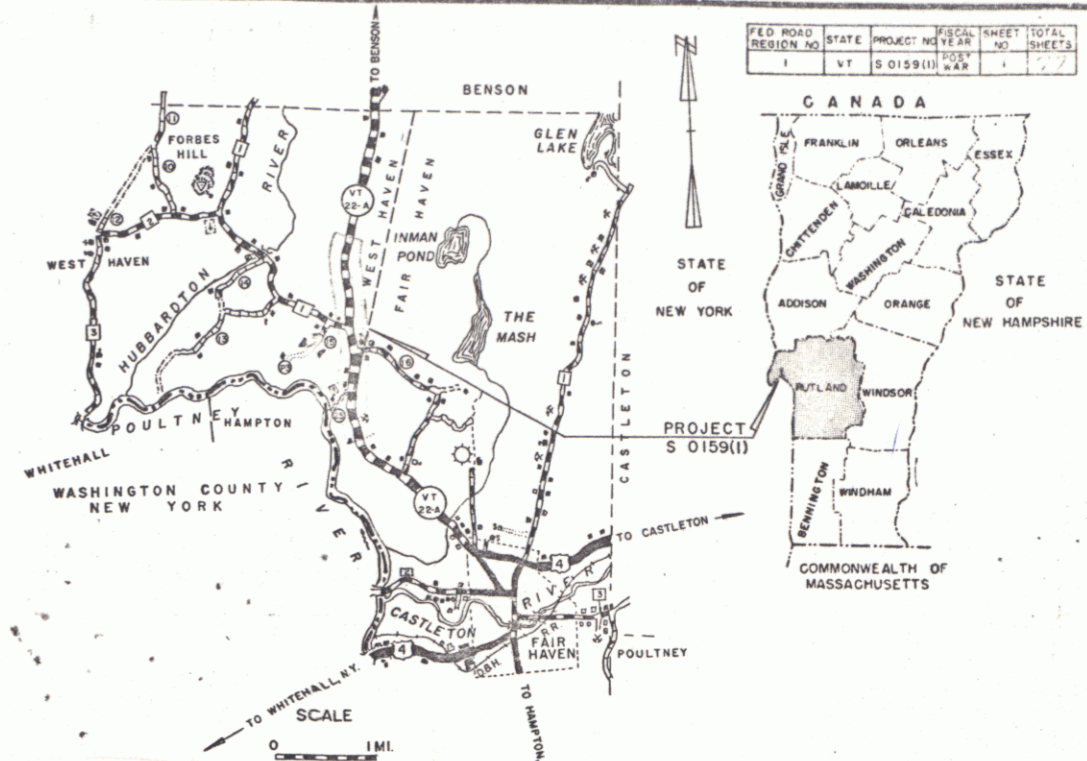
STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT
 FEDERAL AID SECONDARY PROJECT

TOWNS OF FAIR HAVEN
 AND WEST HAVEN
 COUNTY OF RUTLAND
 VERMONT ROUTE 22-A

BEGINNING AT A POINT APPROXIMATELY 0.5 MILES
 SOUTHERLY OF THE OF THE FAIR HAVEN - WEST HAVEN
 TOWN LINE AND EXTENDING NORTHERLY 1.951 MILES
 LENGTH OF PROJECT 10,303.71 FEET = 1.951 MILES

1960 ADT 1540
 1980 ADT 2595
 1980 DHV 315
 D = 62%
 T = 8%
 V = 40 MPH

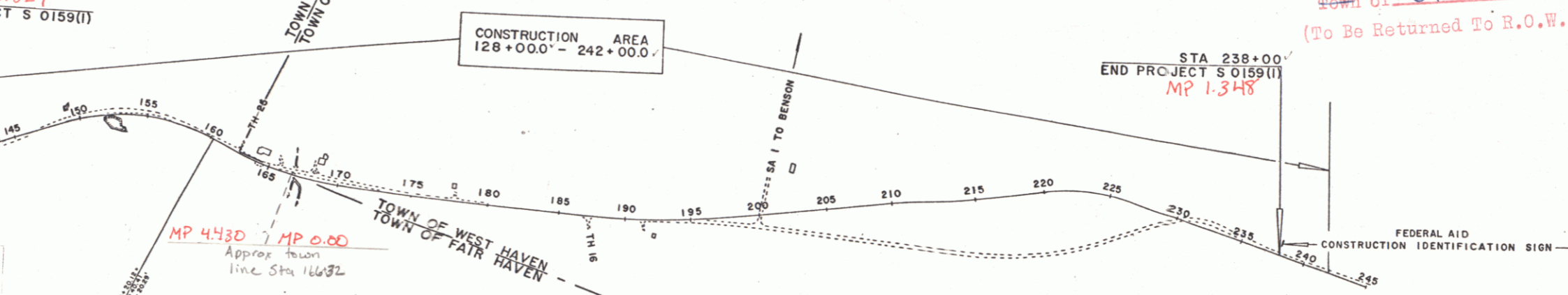


RIGHT-OF-WAY DIVISION
 TOWN FILE
 PERPETUAL

Det
 Town of VT 22A
 (To Be Returned To R.O.W. Division)

BENCH MARK DATA FROM
 U.S.G.S. ELEVATIONS

CONVENTIONAL SIGNS	FEDERAL AID CC ID1	CONTRACTOR S. V. ROSSI CO., INC. TORRINGTON, CONN.
COUNTY LINE	LENGTH (MILES)	LOCATION BEGINNING AT A POINT APPROXIMATELY 0.5 M. SOUTHERLY OF THE FAIR HAVEN - WEST HAVEN T.L. AND EXTENDING NORTHERLY 1.951 MILES
TOWN LINE		
FENCE LINE		
STONE WALL		
UNFENCED PROPERTY		
GUARD RAIL		
TRAVELED WAY		
RAILROAD		
RETAINING WALL		
CENTER LINE		
SURVEY LINE		
CULVERT		
DROP INLET		
TROLLEY POLE		
WATER POLE		
PHONE POLE		
TREES		
HEDGE		



CONTRACTOR - S. V. ROSSI CO., INC. TORRINGTON, CONN. RESIDENT ENGINEER - ROLAND SEAVEY RECORD PLANS - P.W.	CONTRACT DATED - 6/1/66 STARTED - 2/8/66 COMPLETED - 6/27/67 ACCEPTED - 6/30/67
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THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE
 REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER
 OF HIGHWAYS.

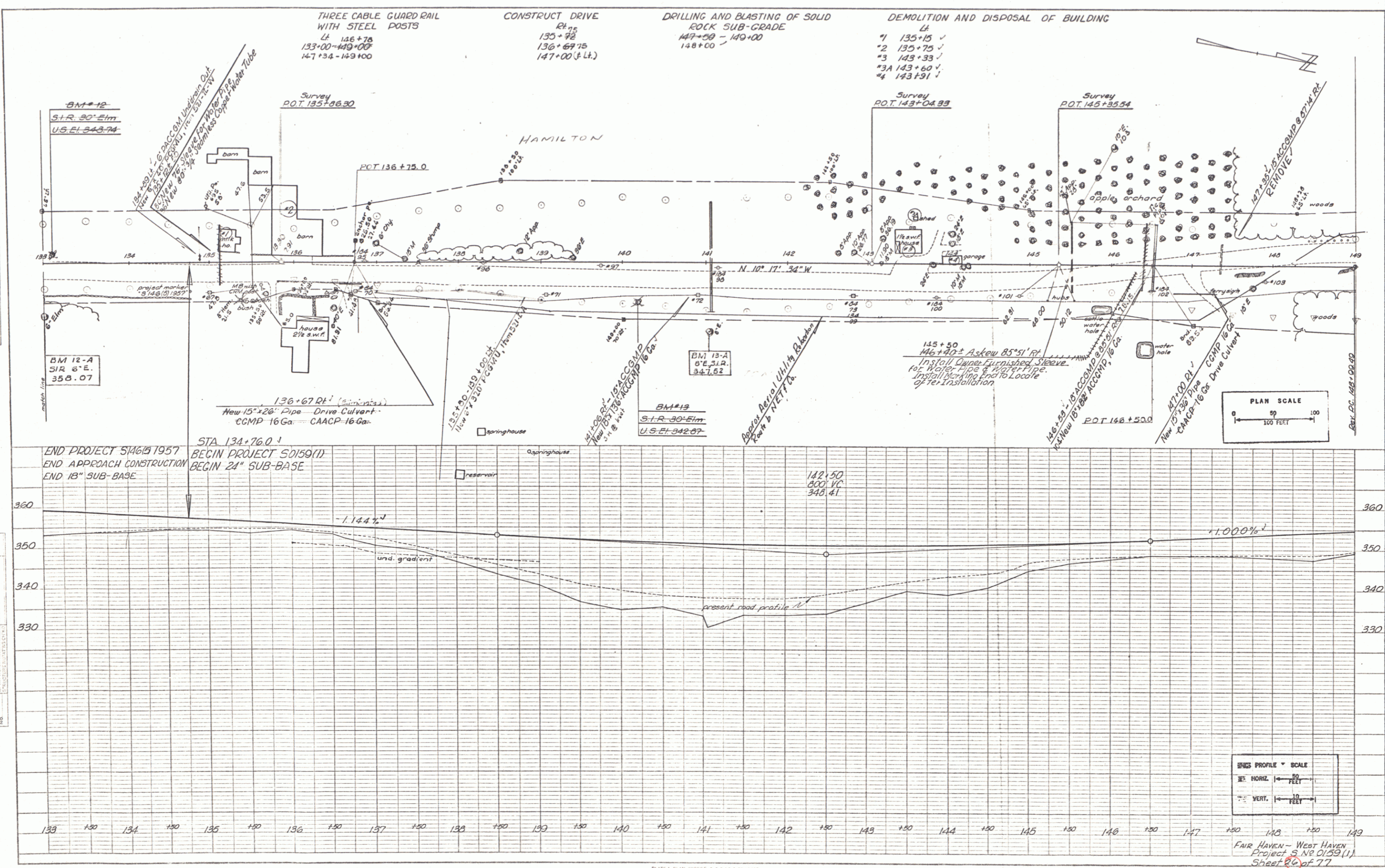
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE
 PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE
 CONSTRUCTION DATE APRIL 1964, AS APPROVED BY THE BUREAU OF
 PUBLIC ROADS ON OCTOBER 12, 1964, INCLUDING ALL SUBSEQUENT
 APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL
 PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

APPROVED ASST. CHIEF ENGINEER DATE 7/27/64	APPROVED SECONDARY ENGINEER DATE 7/27/64	APPROVED DISTRICT ENGINEER DATE 7/27/64	APPROVED HIGHWAY ENGINEER DATE 7/27/64	APPROVED SUPERVISOR DATE 7/27/64
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DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS
APPROVED
DIVISION ENGINEER DATE
PROJECT S NO. 0159(1)
SHEET 1 OF 77 SHEETS

PLAN
 DATE: 11/25/55
 DRAWN BY: C.E.H.
 CHECKED BY: J.M.S.
 PROJECT NO. 0159(1)

PROFILE
 DATE: 11/25/55
 DRAWN BY: C.E.H.
 CHECKED BY: J.M.S.
 PROJECT NO. 0159(1)



PLAN SCALE
 0 50 100
 FEET

PROFILE SCALE
 1" = 10'
 1" = 100'

FAIR HAVEN - WEST HAVEN
 Project S. No. 0159(1)
 Sheet 20 of 77

PLATE I - PLAN, PROFILE & P.R.S.E. STANDARD
 REVISED & EXERCISE CO., NEW YORK
 2 1/2" x 36" (SHEET)
 1958

PLAN
 DATE BOOK NO. BY CHECKED BY DATE
 1/1/55
 C.E.H.

PROFILE
 DATE BOOK NO. BY CHECKED BY DATE
 1/1/55
 C.E.H.

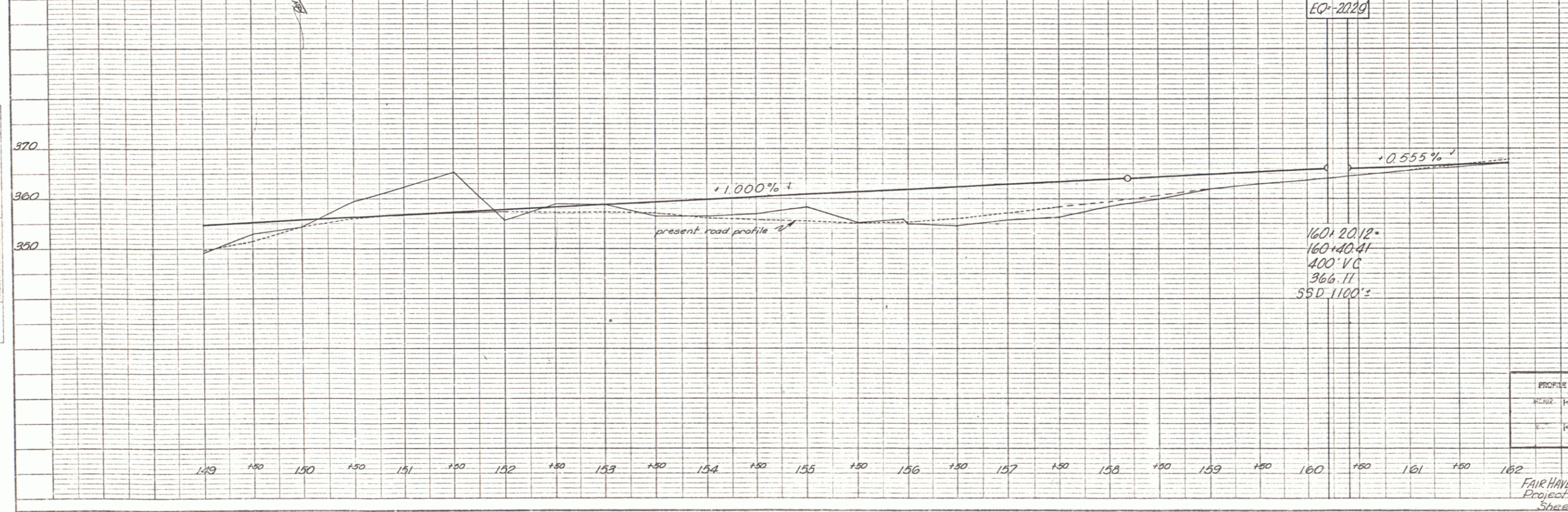
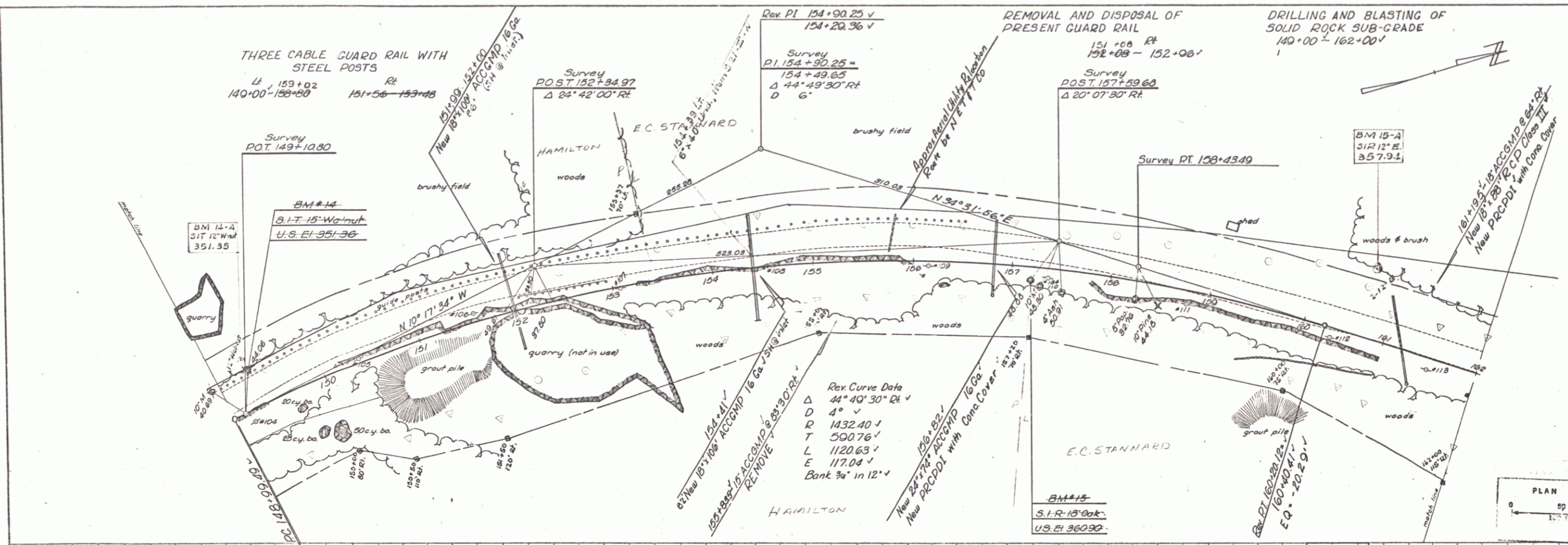


PLATE 1 - PLAN, PROFILE OF R.R. & STANNARD
 BEUTEL & CO. INC., NEW YORK
 S.E.E. 50' NO. 346-C
 1955

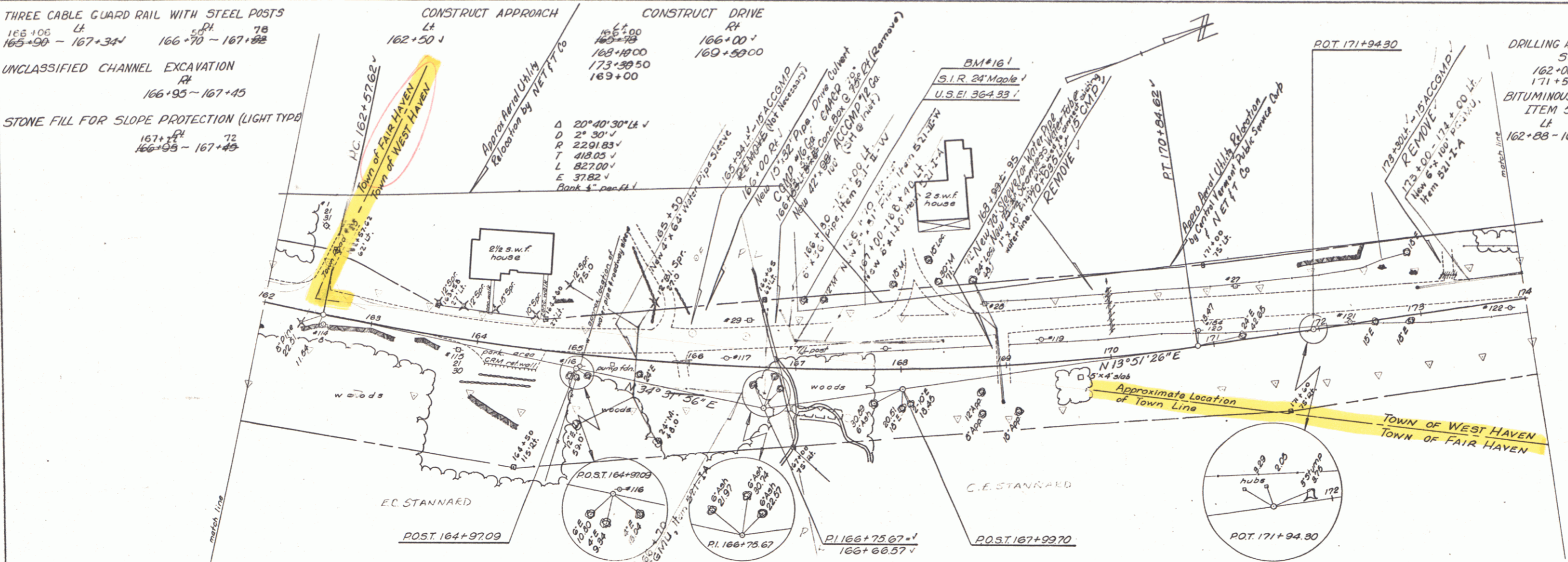
FAIR HAVEN - WEST HAVEN
 Project S No. 0159(11)
 Sheet 27 of 77

THREE CABLE GUARD RAIL WITH STEEL POSTS
 165+05 LF 166+70 - 167+45
 UNCLASSIFIED CHANNEL EXCAVATION
 166+95 - 167+45
 STONE FILL FOR SLOPE PROTECTION (LIGHT TYPE)
 167+45 LF 166+95 - 167+45

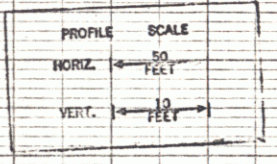
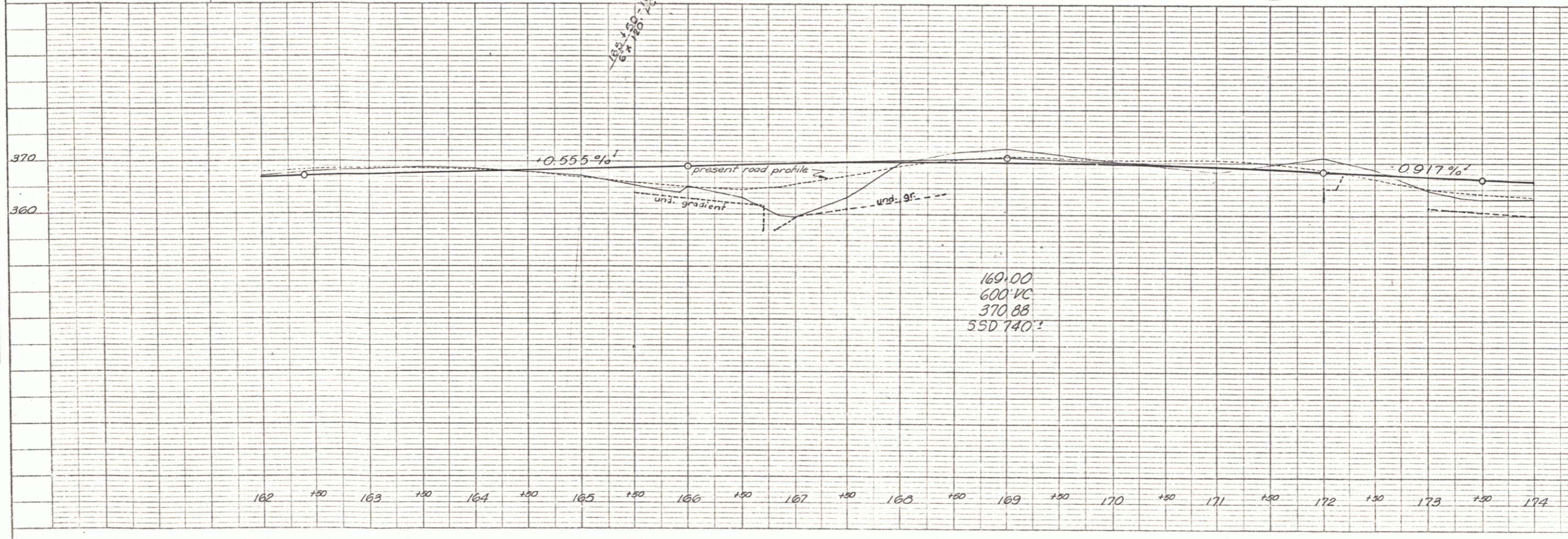
CONSTRUCT APPROACH
 LF 162+50
 CONSTRUCT DRIVE
 LF 166+00 - 169+00

DRILLING AND BLASTING OF SOLID ROCK
 SUB-GRADE
 162+00 - 165+70.50
 171+50 - 174+00
 BITUMINOUS CONCRETE CURB
 ITEM 555 TYPE II
 LF 162+85 - 164+50

PLAN
 DATE 7-65
 DRAWN BY W.S.S.
 CHECKED BY C.E.H.
 NO. 17-65



PROFILE
 DATE 7-65
 DRAWN BY W.S.S.
 CHECKED BY C.E.H.
 NO. 17-65



FAIR HAVEN - WEST HAVEN
 Project S 18 0159(1)
 Sheet 28 of 77

PLATE 3 - PLAN PROFILE - C.P. & E. STANDARD
 KEITH & CO. INC. NEW YORK
 "K.E.C." REG. U.S. PAT. OFF.
 1944

4
 5

PLAN
 DATE: 7/1/55
 DRAWN BY: W.S.S.
 CHECKED BY: C.E.N.
 SCALE: 1" = 40'

PROFILE
 DATE: 7/1/55
 DRAWN BY: W.S.S.
 CHECKED BY: C.E.N.
 SCALE: 1" = 10' (VERTICAL), 1" = 40' (HORIZONTAL)

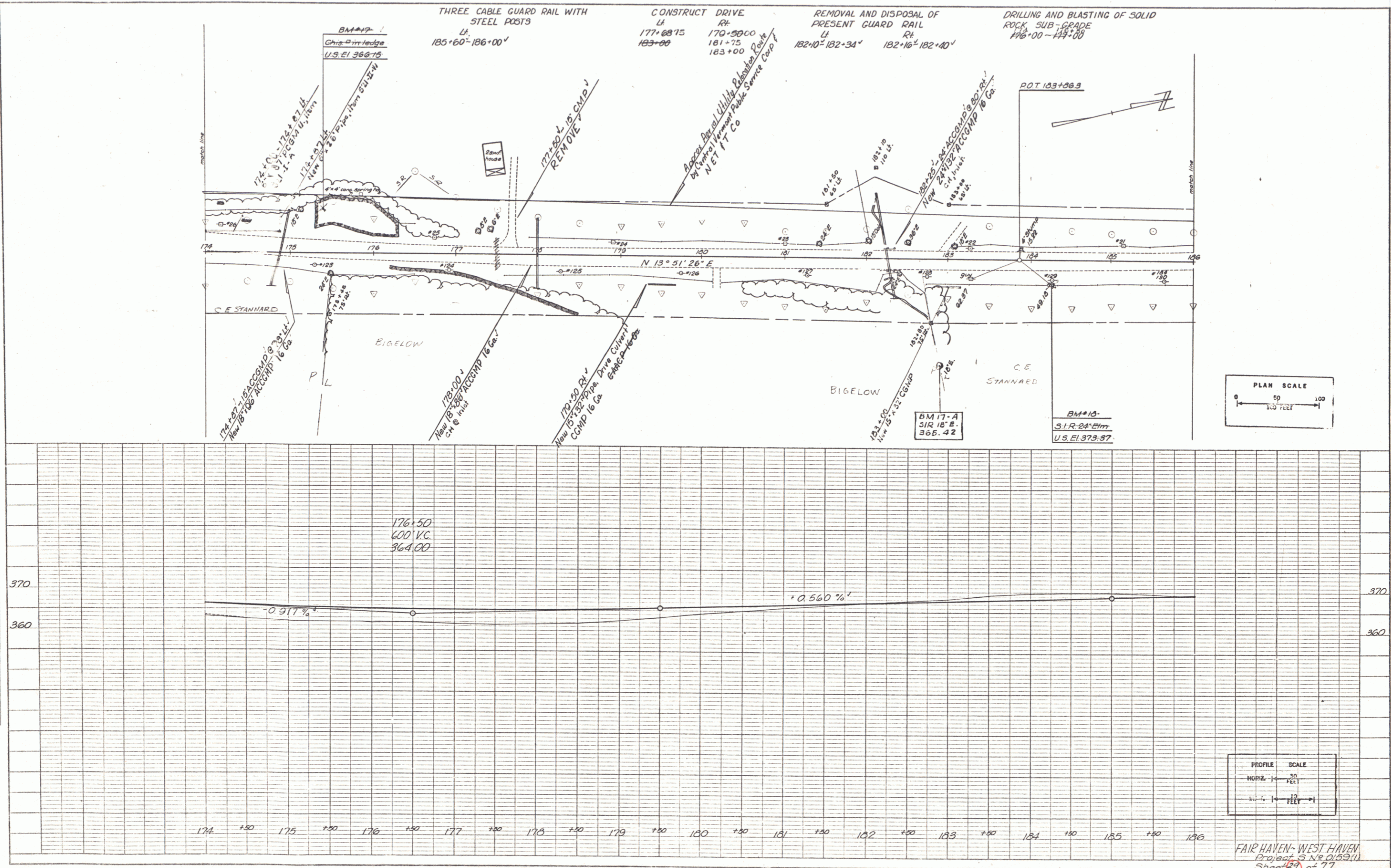


PLATE 1 - PLAN, PROFILE & P.M.S.E. STANDARD
 PROFILE & FORM CO., NEW YORK

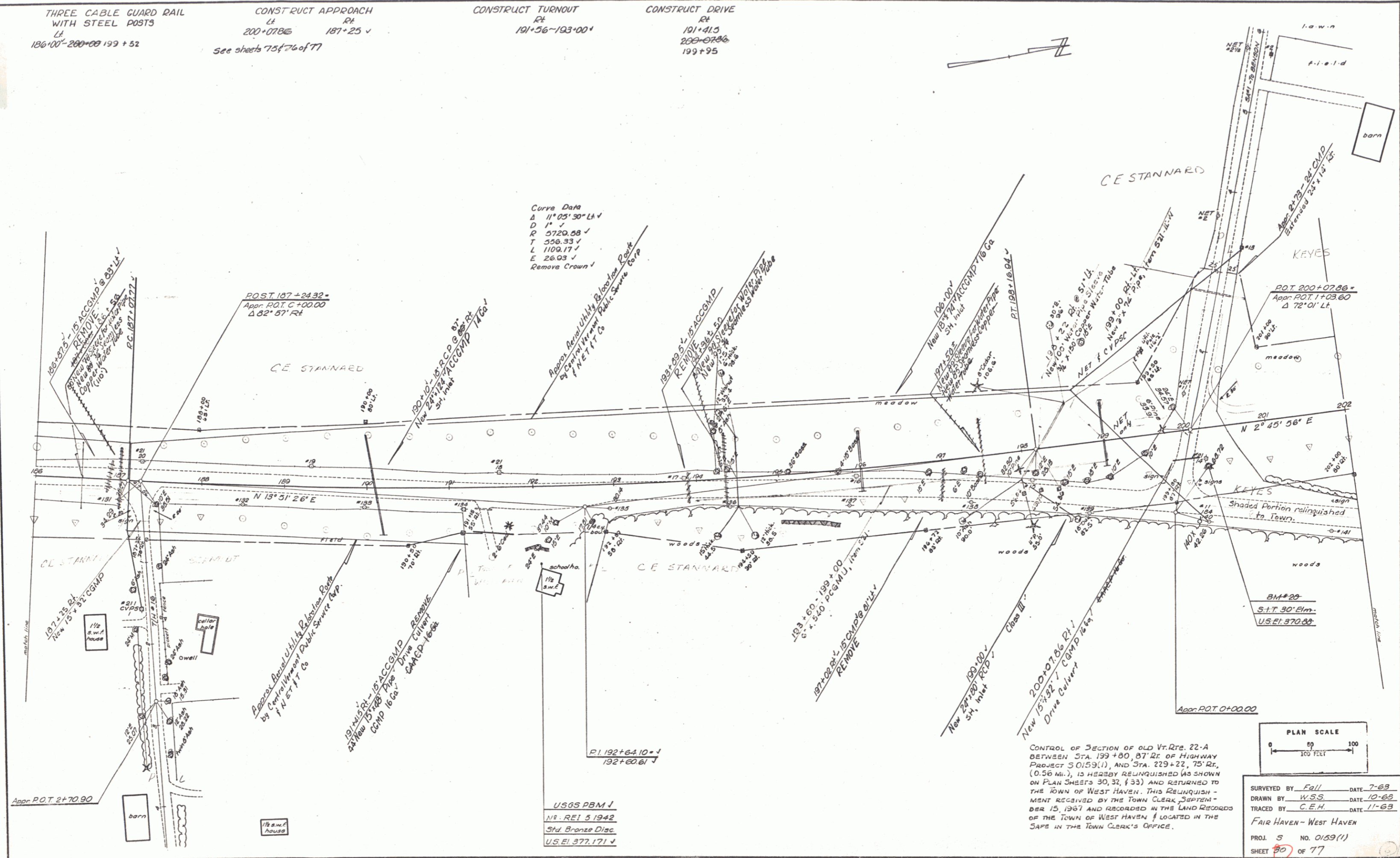
THREE CABLE GUARD RAIL
WITH STEEL POSTS
LT
186+00-200+00 199+52

CONSTRUCT APPROACH
LT RT
200+0786 187+25 ✓
See sheets 75 & 76 of 77

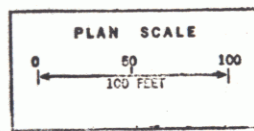
CONSTRUCT TURNOUT
RT
191+56-193+00 ✓

CONSTRUCT DRIVE
RT
101+415
200-0786
199+95

Curve Data
Δ 11° 05' 30" LT ✓
D 1' ✓
R 5720.58 ✓
T 256.33 ✓
L 1108.17 ✓
E 26.03 ✓
Remove Crown ✓



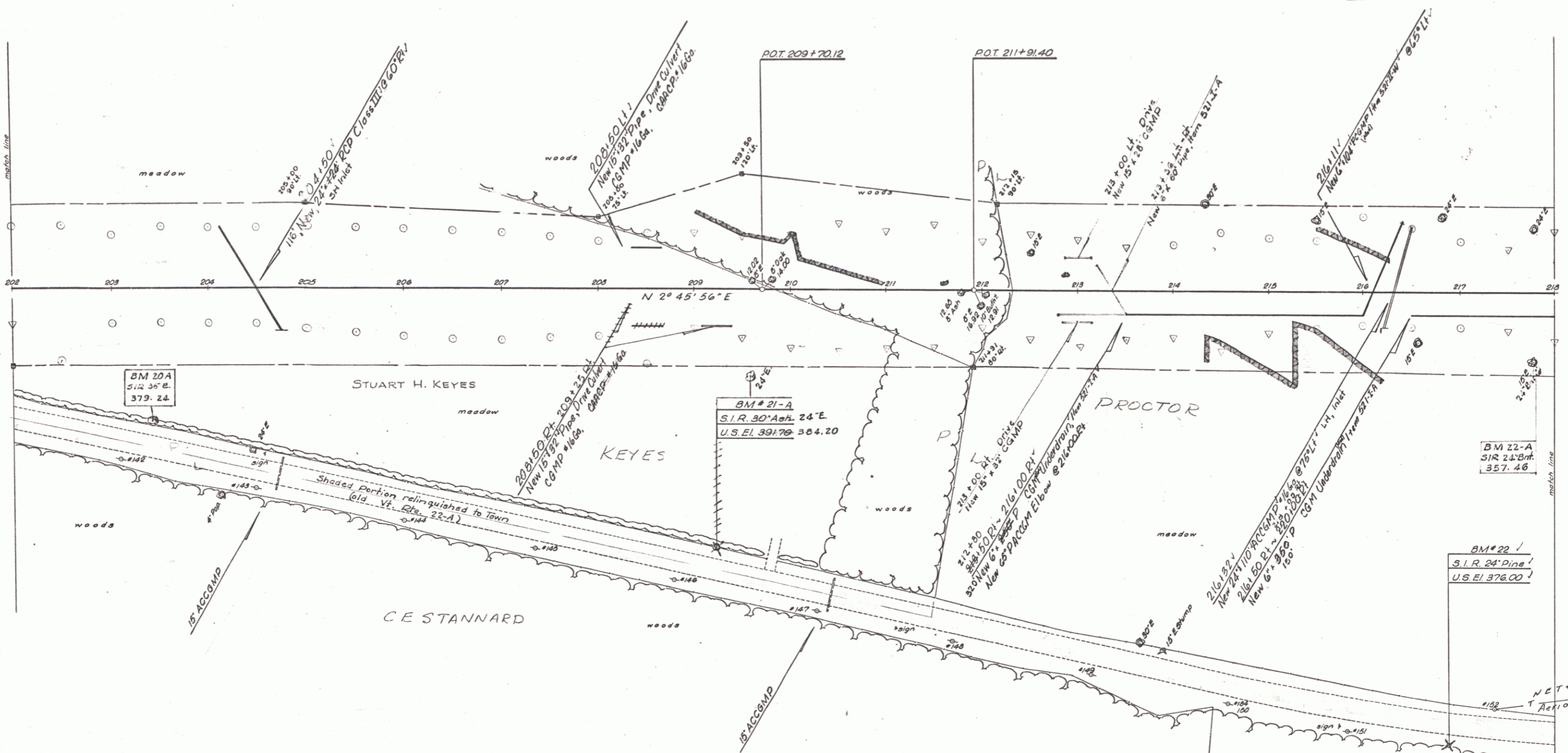
CONTROL OF SECTION OF OLD VT. RTE. 22-A
BETWEEN STA. 199+80, BT. RT. OF HIGHWAY
PROJECT 5 0159(1), AND STA. 219+22, 75' RT.,
(0.56 MI.), IS HEREBY RELINQUISHED (AS SHOWN
ON PLAN SHEETS 30, 32, & 33) AND RETURNED TO
THE TOWN OF WEST HAVEN. THIS RELINQUISH-
MENT RECEIVED BY THE TOWN CLERK, SEPTEM-
BER 15, 1967 AND RECORDED IN THE LAND RECORDS
OF THE TOWN OF WEST HAVEN & LOCATED IN THE
SAFE IN THE TOWN CLERK'S OFFICE.



SURVEYED BY Fall DATE 7-63
DRAWN BY W.S.S. DATE 10-63
TRACED BY C.E.H. DATE 11-63
FAIR HAVEN - WEST HAVEN
PROJ. 5 NO. 0159(1)
SHEET 80 OF 77

USGS PBM 1
N.S. REI 5 1942
Std. Bronze Disc
U.S. #1 377.171 ✓

CONSTRUCT CLIMBING LANE 204+50 LH ~ 207+00 LH (Transition) 207+00 LH ~ 218+00 LH	CONSTRUCT DRIVE LH 208+50 25 208+88 213+00 213+00	DRILLING AND BLASTING OF SOLID ROCK SUB-GRADE 209+50 ~ 212+75 213+50
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CONTROL OF SECTION OF OLD VT. Rte. 22-A BETWEEN STA. 199+50, 37'21" OF HIGHWAY PROJECT 50159(1), AND STA. 229+22, 75'RT, (0.50 MI.), IS HEREBY RELINQUISHED (AS SHOWN ON PLAN SHEETS 30, 32, 33) AND RETURNED TO THE TOWN OF WEST HAVEN. THIS RELINQUISHMENT RECEIVED BY THE TOWN CLERK, SEPTEMBER 15, 1969, AND RECORDED IN THE LAND RECORDS OF THE TOWN OF WEST HAVEN & LOCATED IN THE CASE IN THE TOWN CLERK'S OFFICE.

PLAN SCALE
0 50 100

SURVEYED BY Fall DATE 7-69
DRAWN BY WSS DATE 10-69
TRACED BY GEH DATE 11-69

FAIR HAVEN - WEST HAVEN
PROJ. 5 NO. 0159(1)
SHEET 32 OF 77

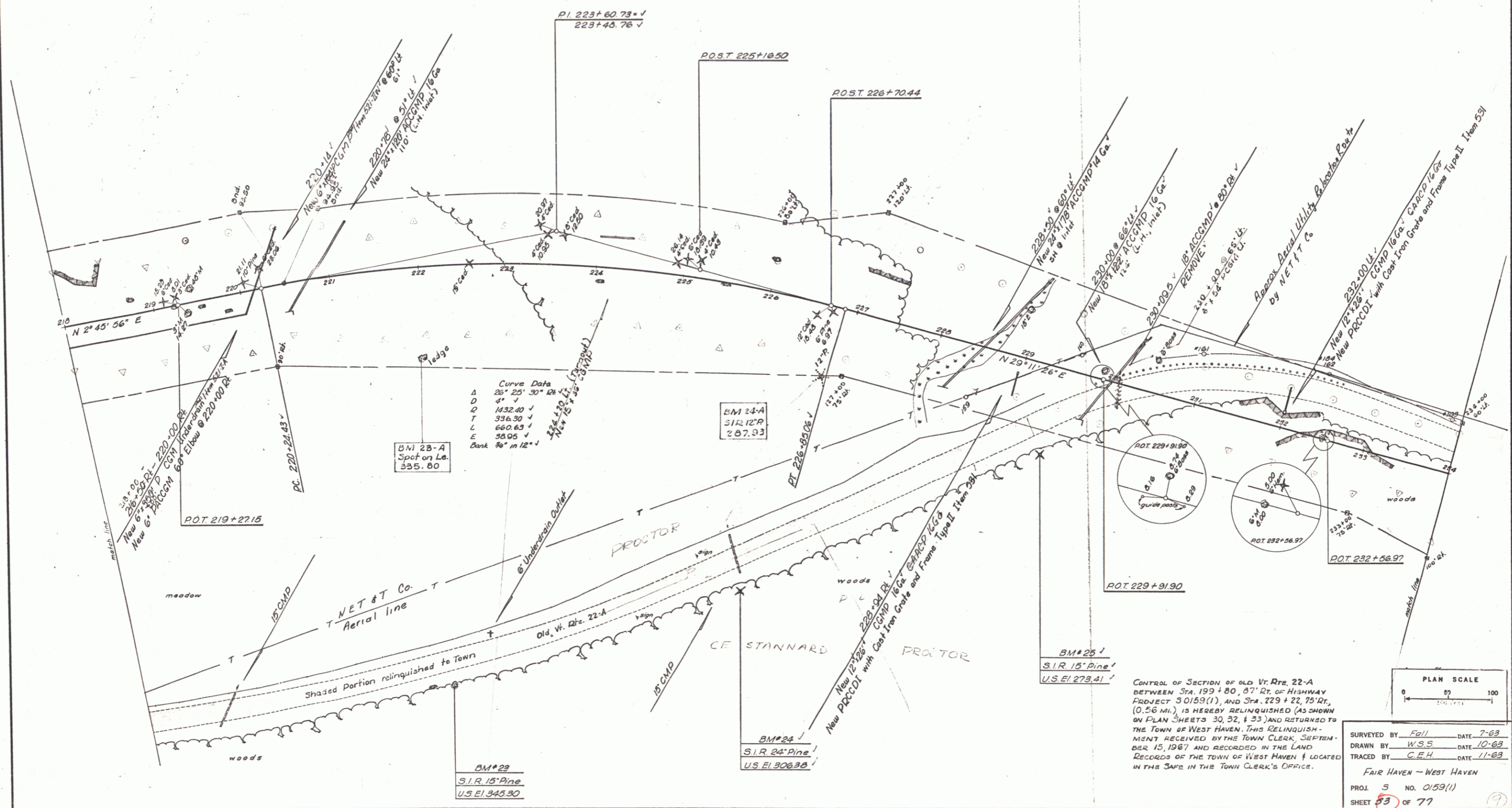
CONSTRUCT CLIMBING LANE
218+00 L₁ - 228+00 L₁
228+00 L₁ - 230+50 L₁ (transition)

DRILLING AND BLASTING OF SOLID ROCK
SUB-GRADE
218+25 - 226+75 ✓
231+00 - 234+00 ✓

THREE CABLE GUARD RAIL
WITH STEEL POSTS
L₁ 227+90
R₁ 227+50 - 228+94
226+70 - 229+56

TREATED TIMBER CURB
(PAVED SHOULDERS)
L₁ 227+74 - 234+00
R₁ 227+50 - 228+94

DRILLING AND BLASTING OF
SOLID ROCK - ITEM 114
226+00 L₁ - 227+50 L₁
231+00 - 234+00



CONTROL OF SECTION OF OLD VT. RTE. 22-A
BETWEEN STA. 199+80, 87' RT. OF HIGHWAY
PROJECT 30159(1), AND STA. 229+22, 75' RT.,
(0.56 MI.) IS HEREBY RELINQUISHED (AS SHOWN
ON PLAN SHEETS 30, 32, & 33) AND RETURNED TO
THE TOWN OF WEST HAVEN. THIS RELINQUISH-
MENT RECEIVED BY THE TOWN CLERK, SEPTEMBER
15, 1967 AND RECORDED IN THE LAND
RECORDS OF THE TOWN OF WEST HAVEN & LOCATED
IN THE SAFE IN THE TOWN CLERK'S OFFICE.

FAIR HAVEN - WEST HAVEN

PROJ. 5 NO. 0159(1)
SHEET 33 OF 77

SURVEYED BY: Fall DATE: 7-63
DRAWN BY: W.S.S. DATE: 10-63
TRACED BY: C.E.H. DATE: 11-63

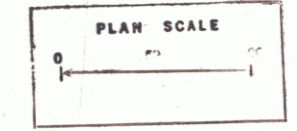
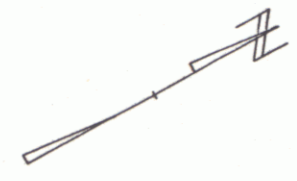
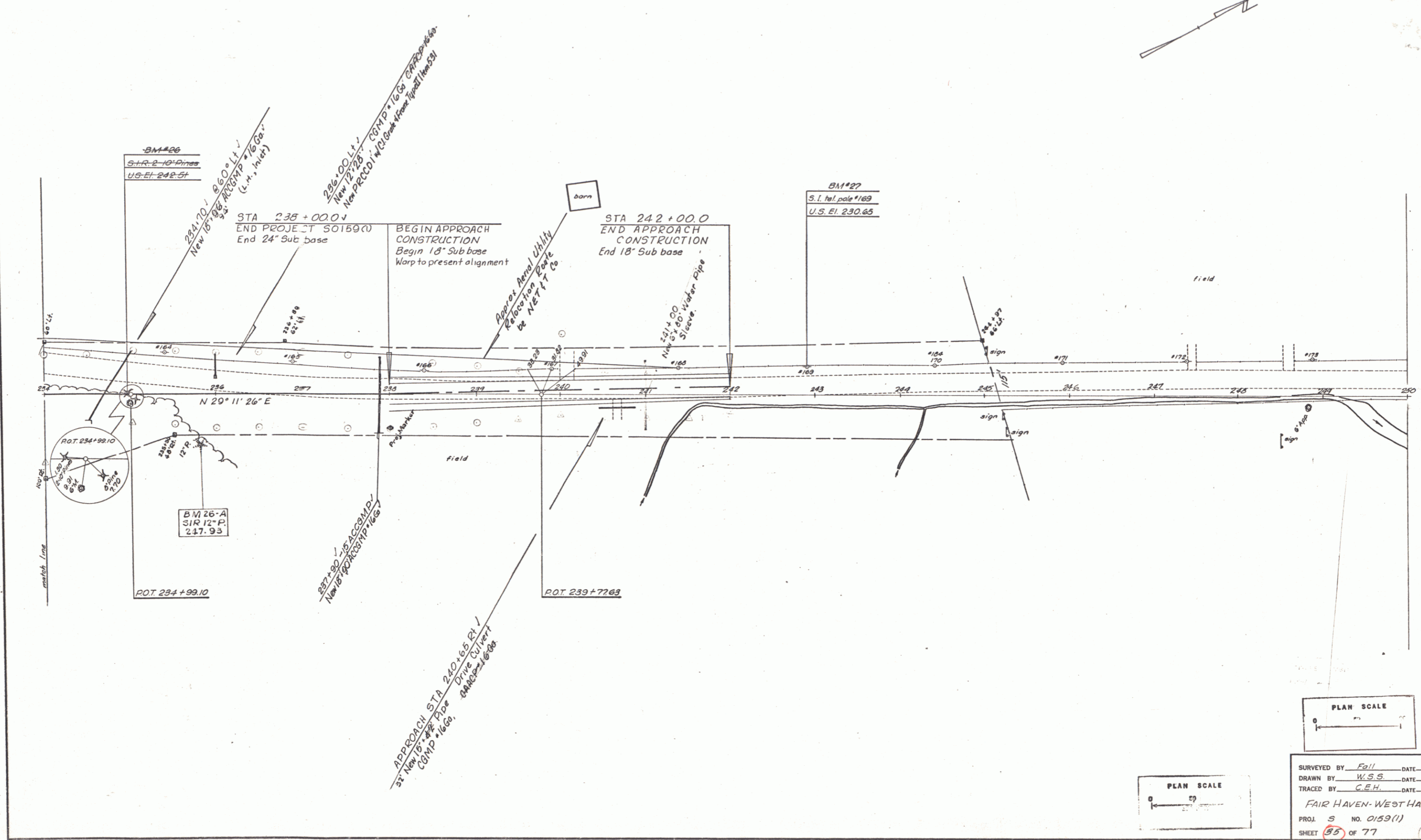
PLAN SCALE
0 50 100
1" = 100'

THREE CABLE GUARD RAIL WITH STEEL POSTS
L+
234+00-237+93

CONSTRUCT DRIVE
L+ APPROACH STA 240+00
R+ APPROACH STA 240+50

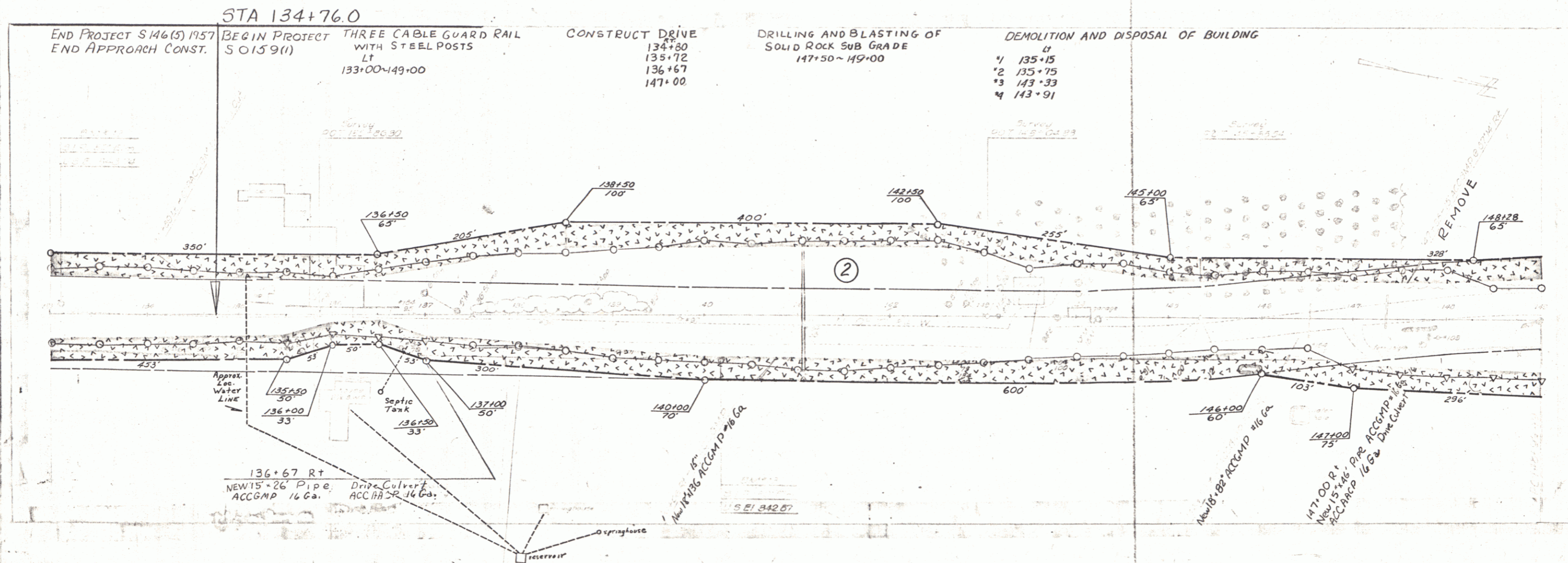
DRILLING AND BLASTING OF SOLID ROCK SUB-GRADE
234+00-235+00

TREATED TIMBER CURB (PAVED SHOULDER) (Item 554)
L+
234+00-236+06



SURVEYED BY Fall DATE 7-63
DRAWN BY W.S.S. DATE 10-63
TRACED BY C.E.H. DATE 11-63
FAIR HAVEN - WEST HAVEN
PROJ. S. NO. 0159(1)
SHEET 55 OF 77

10



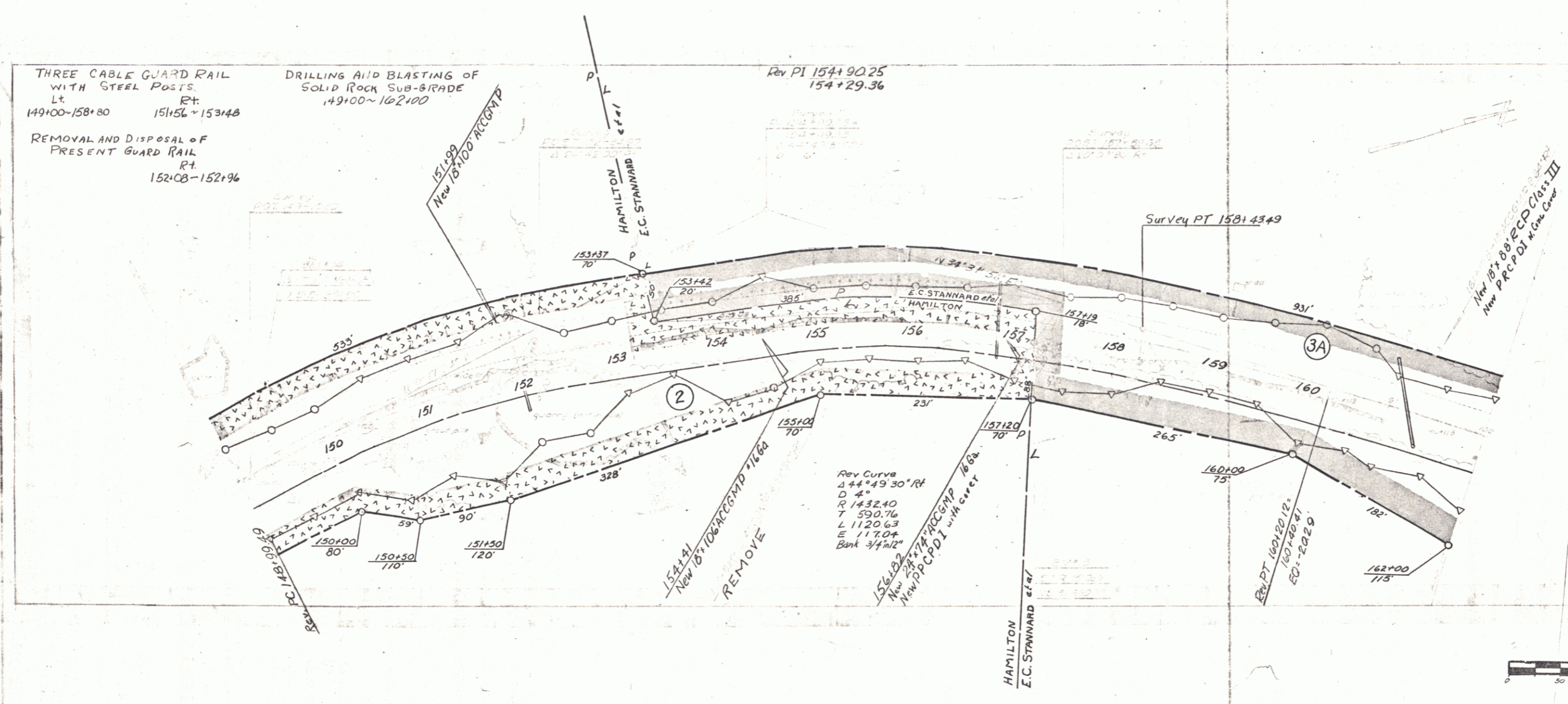
VERMONT DEPARTMENT OF HIGHWAYS
 RIGHT-OF-WAY PLANS
 PROJECT: FAIR HAVEN - WEST HAVEN
 NO. S 0159 (I)
 SHEET 17 OF 18

THREE CABLE GUARD RAIL
WITH STEEL POSTS
LT
149+00-158+80
RT
151+56-153+48

REMOVAL AND DISPOSAL OF
PRESENT GUARD RAIL
RT
152+08-152+96

DRILLING AND BLASTING OF
SOLID ROCK SUB-GRADE
149+00-162+00

Rev PI 154+90.25
154+29.36



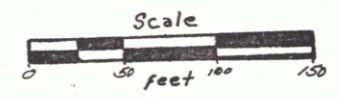
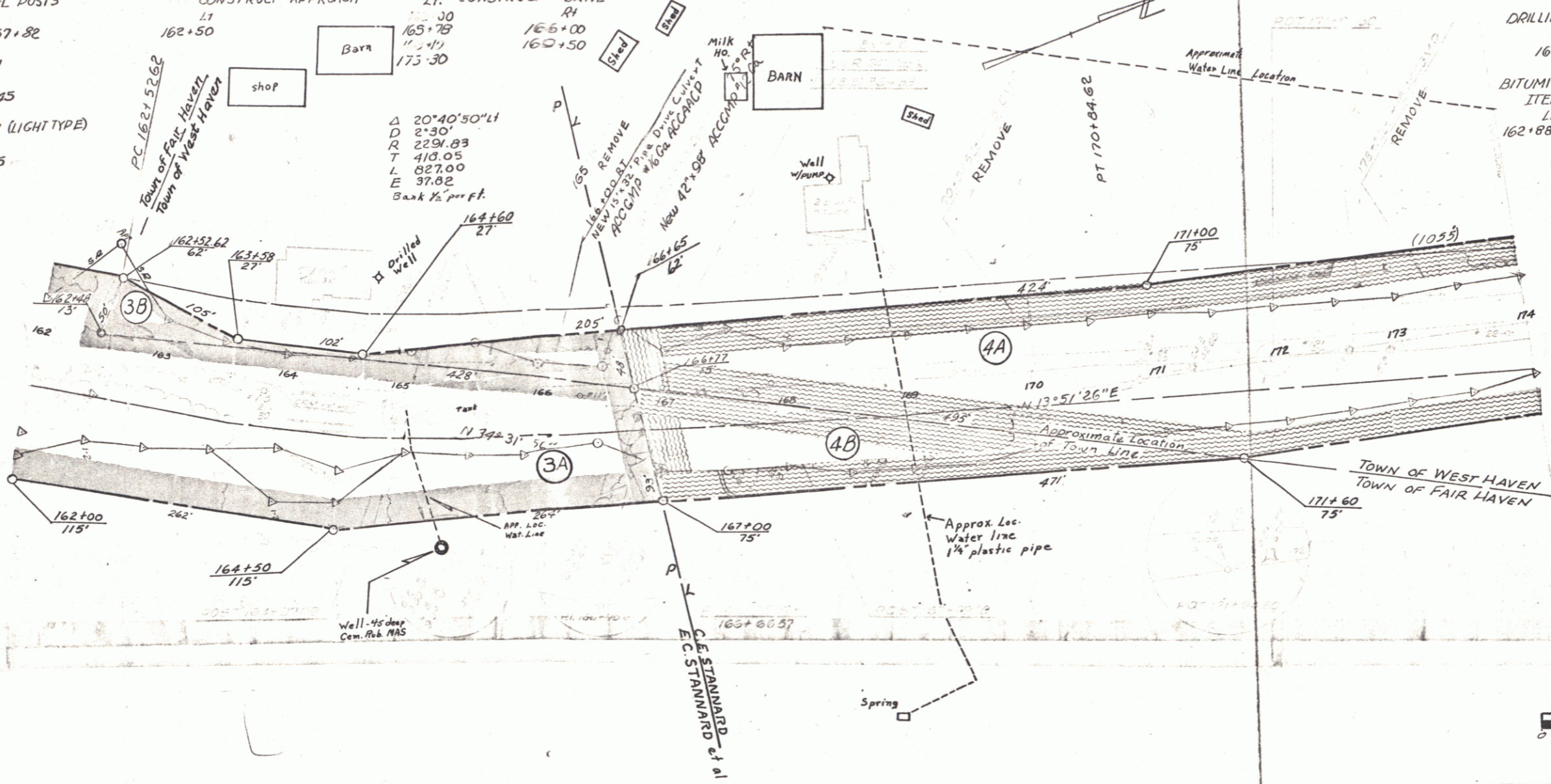
VERMONT DEPARTMENT OF HIGHWAYS
RIGHT-OF-WAY PLANS
PROJECT: FAIR HAVEN - WEST HAVEN
No. S 0159 (1)
SHEET 12 OF 18

THREE CABLE GUARD RAIL WITH STEEL POSTS
 Lt 165+90 ~ 167+34 Rt 166+70 ~ 167+82
 UNCLASSIFIED CHANNEL EXCAVATION
 Rt 166+95 ~ 167+45
 STONE FILL FOR SLOPE PROTECTION (LIGHTTYPE)
 Rt 166+95 ~ 167+45

CONSTRUCT APPROACH Lt. CONSTRUCT DRIVE
 Lt 162+50 Rt 165+75
 165+75 166+00 166+50
 173+30

Δ 20°40'50" Lt
 D 2°30'
 R 2291.03
 T 413.05
 L 327.00
 E 37.82
 Bank 1/2" per ft.

DRILLING AND BLASTING OF SOLID ROCK
 SUB-GRADE
 162+00 - 165+70
 BITUMINOUS CONCRETE CURB
 ITEM 555 TYPE II
 Lt 162+88 - 164+50



VERMONT DEPARTMENT OF HIGHWAYS
 RIGHT-OF-WAY PLANS
 PROJECT: FAIR HAVEN - WEST HAVEN
 No. S 0159 (1)
 SHEET 13 OF 18

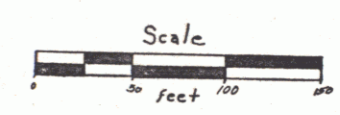
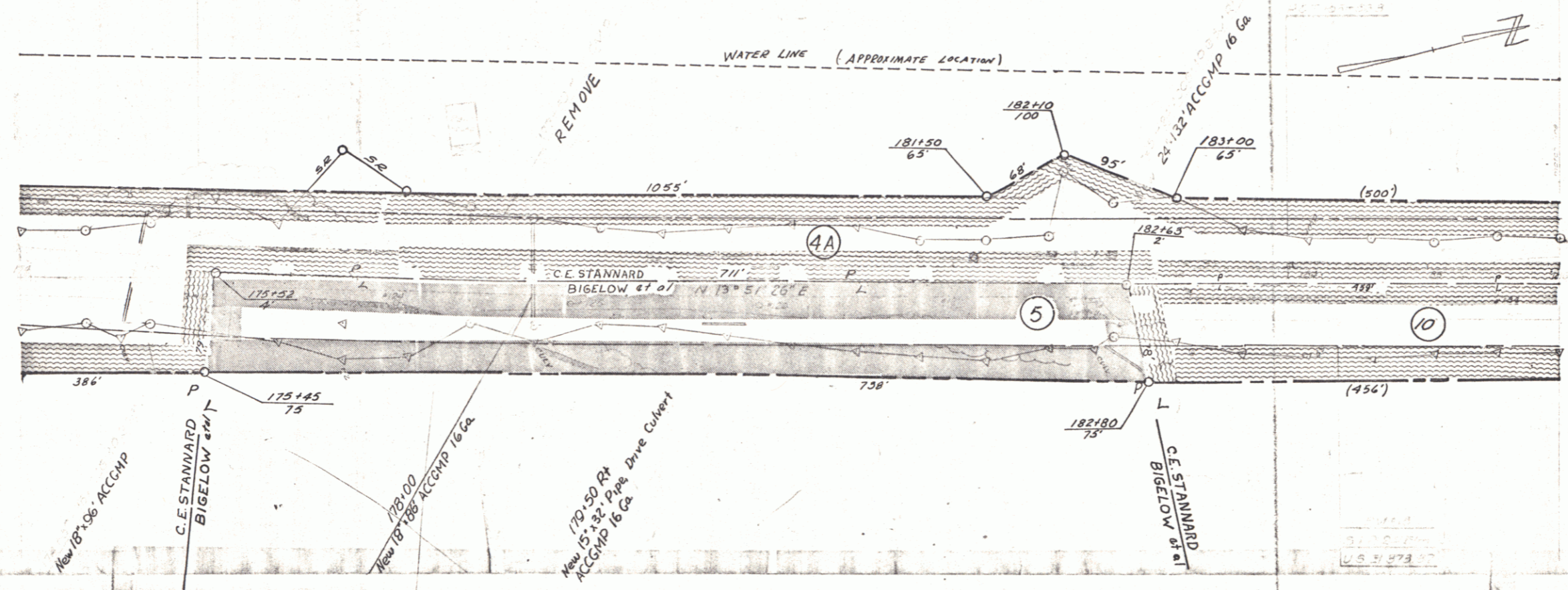
15

THREE CABLE GUARD RAIL WITH
STEEL POSTS
Lt
185+60-186+00

CONSTRUCT DRIVE
Lt Rr
177+68 179+50
183+00

REMOVAL AND DISPOSAL OF
PRESENT GUARD RAIL
Lt RA
182+40-182+34 182+16-182+40

DRILLING AND BLASTING OF SOLID
ROCK SUB-GRADE
176+00



VERMONT DEPARTMENT OF HIGHWAYS
 RIGHT-OF-WAY PLANS
 PROJECT: FAIR HAVEN — WEST HAVEN
 No. S 0159 (1)
 SHEET 17 OF 18

15

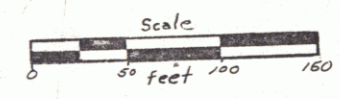
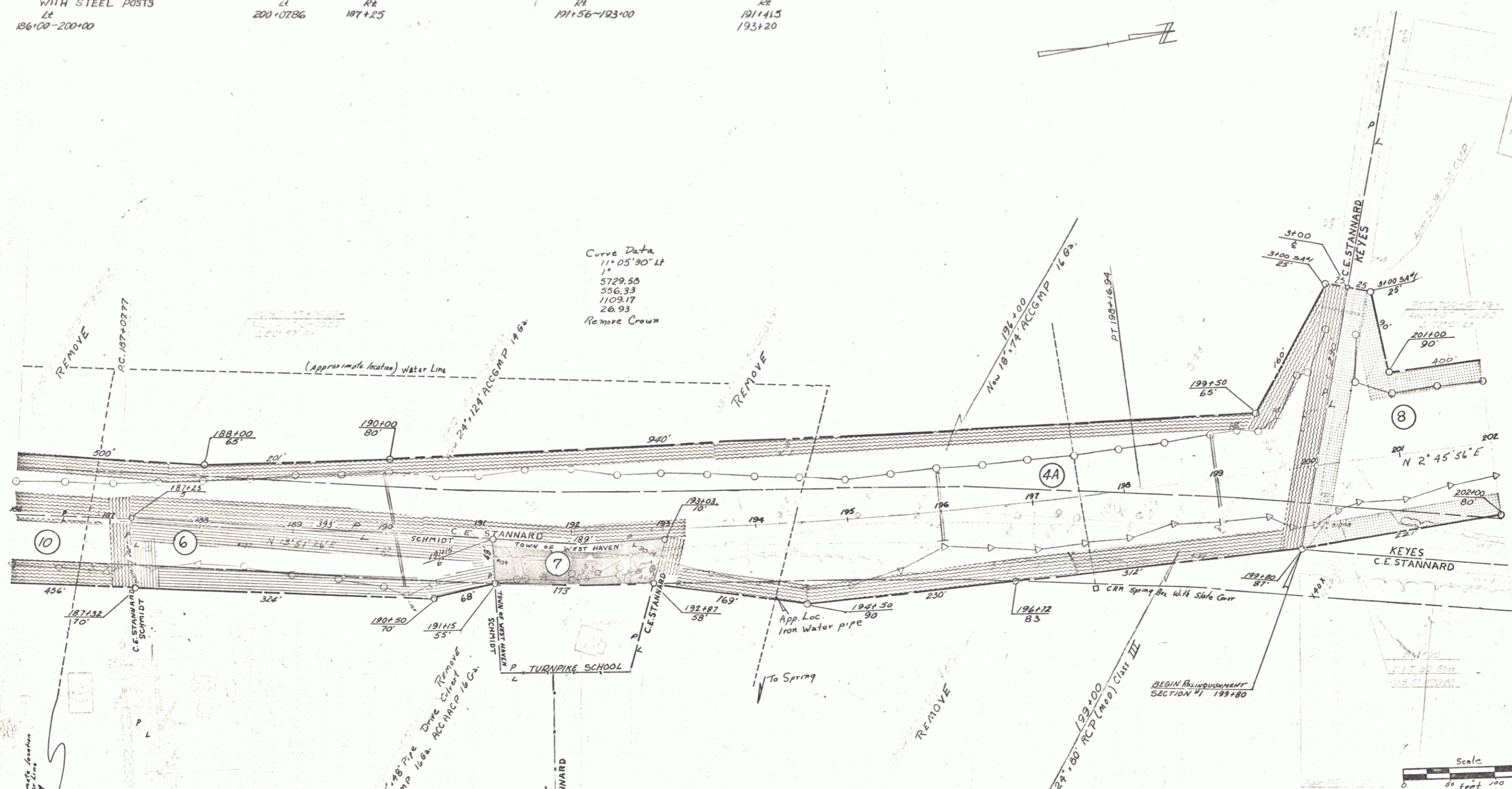
THREE CABLE GUARD RAIL
WITH STEEL POSTS
LT
186+00-200+00

CONSTRUCT APPROACH
LT RA
200+0786 187+25

CONSTRUCT TURNOUT
RA
191+56-193+00

CONSTRUCT DRIVE
RA
191+415
193+20

Curve Data
11° 05' 30" LT
1'
5729.55
556.33
1109.17
26.93
Remove Crown

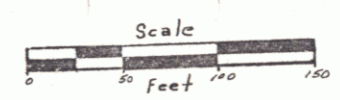
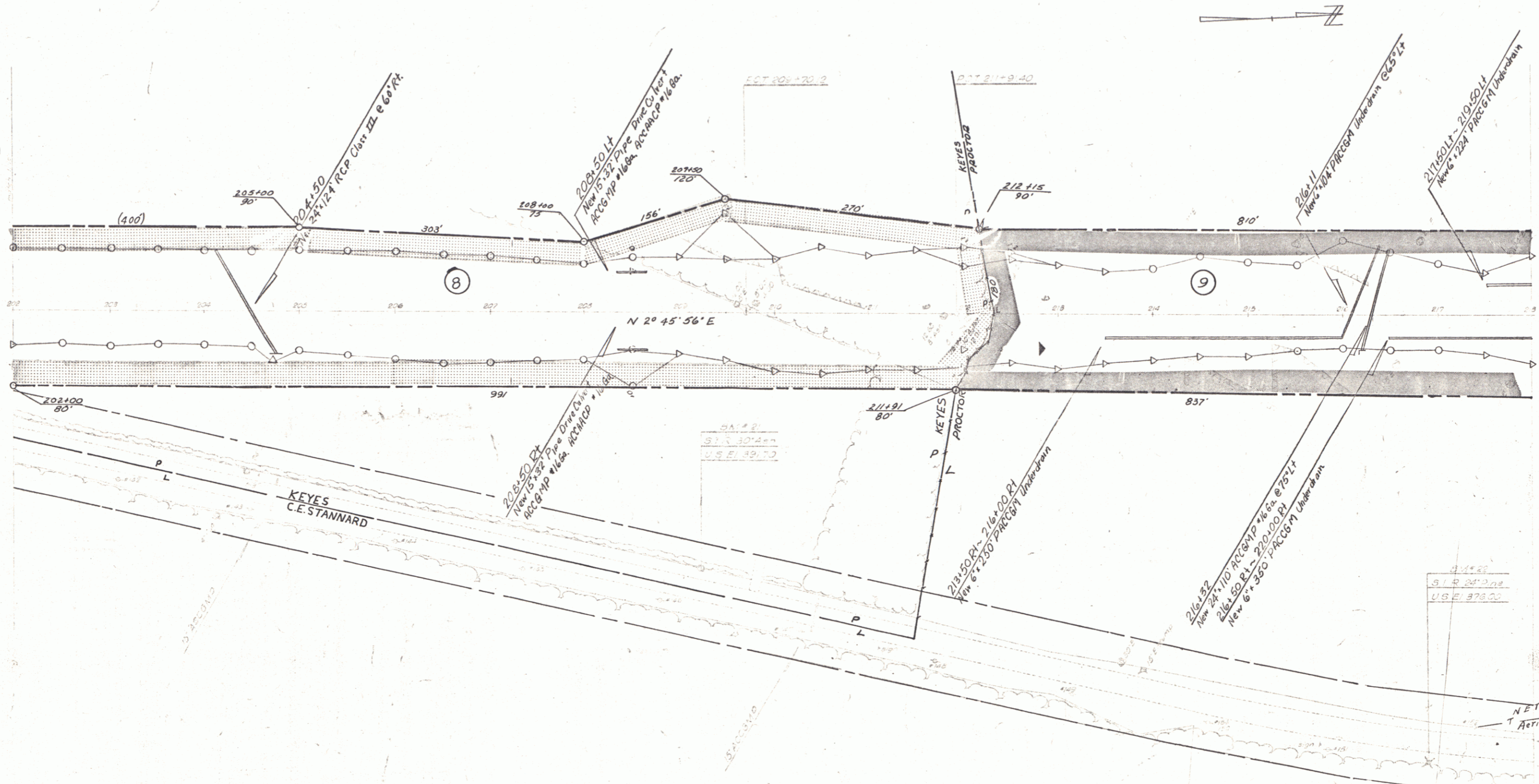


VERMONT DEPARTMENT OF HIGHWAYS
RIGHT-OF-WAY PLANS
PROJECT: FAIR HAVEN - WEST HAVEN
No. S 0159(1)
SHEET 15 OF 18

CONSTRUCT CLIMBING LANE
 204+50 LT ~ 207+00 LT (Transition)
 207+00 LT ~ 218+00 LT

CONSTRUCT DRIVE
 LT R1
 208+50 208+50

DRILLING AND BLASTING OF
 SOLID ROCK SUB-GRADE
 209+50 ~ 212+75



VERMONT DEPARTMENT OF HIGHWAYS
 RIGHT-OF-WAY PLANS
 PROJECT: FAIR HAVEN - WEST HAVEN
 No. S 0159 (1)
 SHEET 16 OF 18

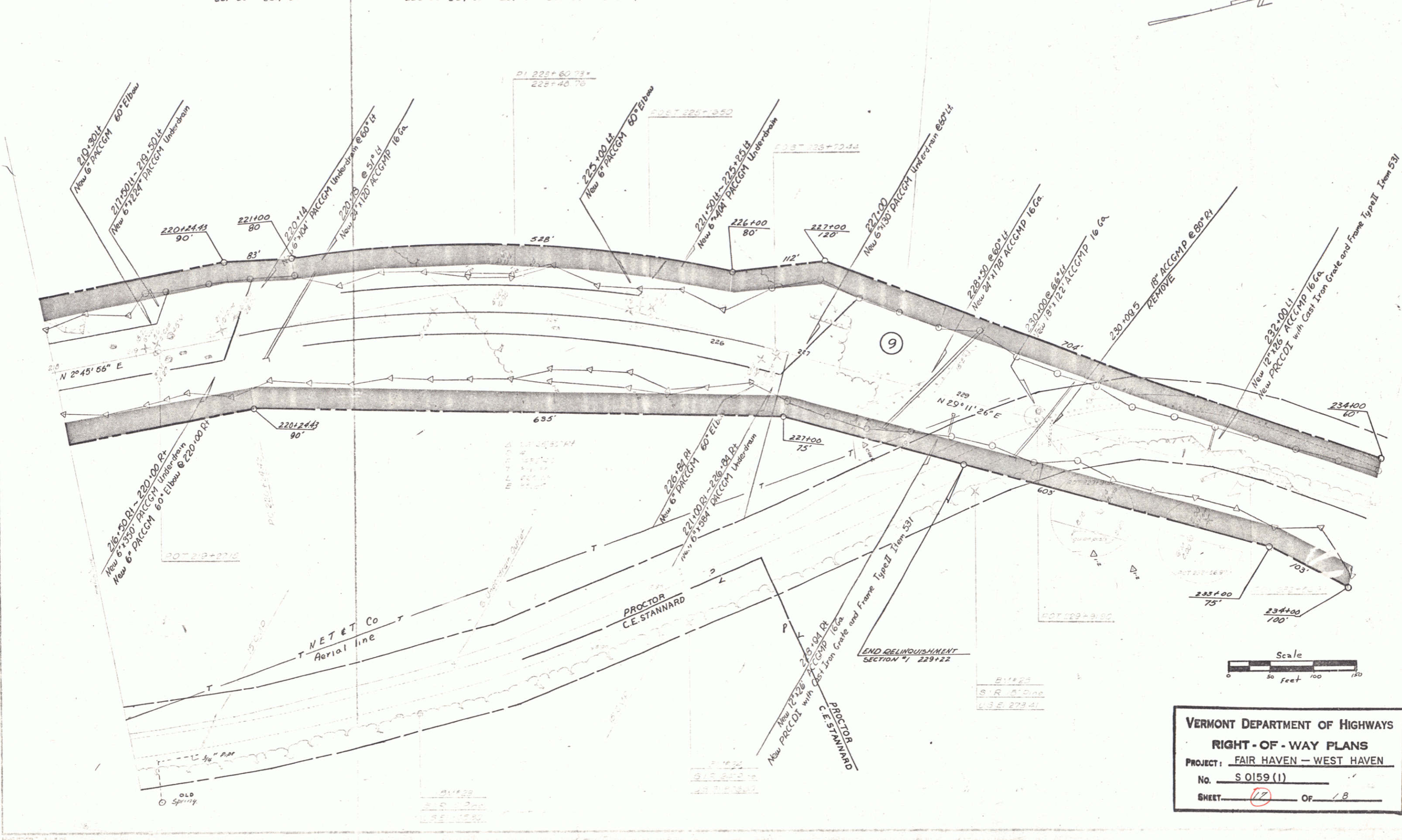
CONSTRUCT CLIMBING LANE
 218+00 LI - 228+00 LI
 228+00 LI - 230+50 LI (transition)

DRILLING AND BLASTING OF SOLID ROCK
 SUB-GRADE
 218+25 - 226+75
 231+00 - 234+00

THREE CABLE GUARD RAIL
 WITH STEEL POSTS
 LI
 225+50 - 234+00 227+50 - 228+94

TREATED TIMBER CURB
 (PAVED SHOULDERS, FULL WIDTH)
 LI
 227+74 - 234+00 227+50 - 228+94

DRILLING AND BLASTING OF
 SOLID ROCK - ITEM 113
 226+00 LI - 227+50 LI



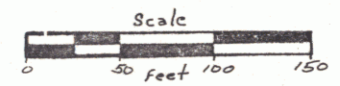
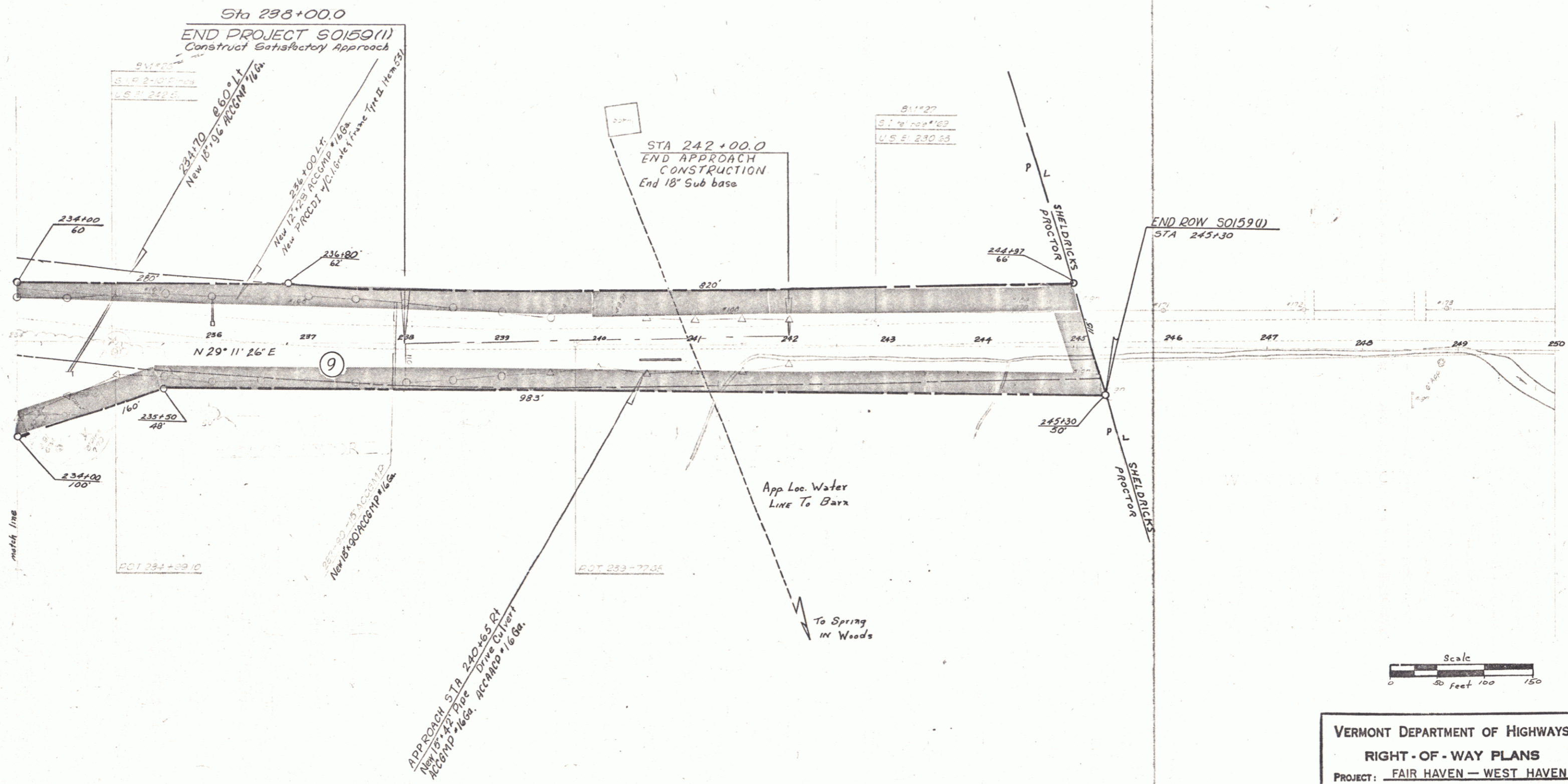
VERMONT DEPARTMENT OF HIGHWAYS
 RIGHT-OF-WAY PLANS
 PROJECT: FAIR HAVEN - WEST HAVEN
 No. S 0159 (1)
 SHEET 17 OF 18

THREE CABLE GUARD RAIL
WITH STEEL POSTS
LT
234+00-237+08

CONSTRUCT DRIVE:
LT APPROACH STA 240+00
RT APPROACH STA 240+65

DRILLING AND BLASTING OF
SOLID ROCK SUB-GRADE
234+00-235+00

TREATED TIMBER CURB
(PAVED SHOULDER FULL WIDTH)
LT
234+00-236+06



VERMONT DEPARTMENT OF HIGHWAYS
RIGHT-OF-WAY PLANS
PROJECT: FAIR HAVEN - WEST HAVEN
No. S 0159 (1)
SHEET 18 OF 18