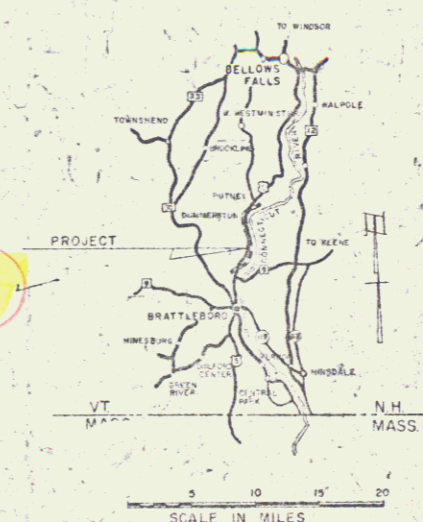


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STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS

Proposed Improvement
 INTERSTATE PROJECT
TOWNS OF BRATTLEBORO-DUMMERSTON-PUTNEY
 COUNTY OF WINDHAM
 Interstate Route I-91
BRATTLEBORO-BELLOWS FALLS ROAD

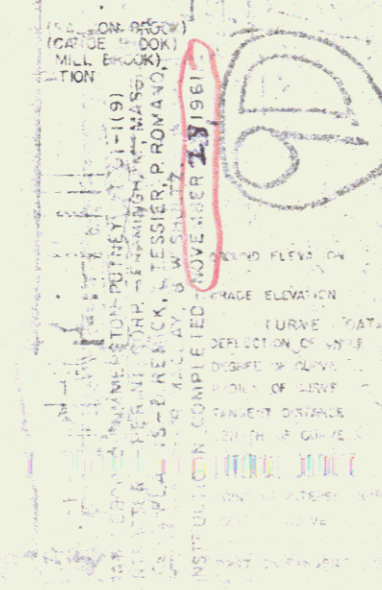
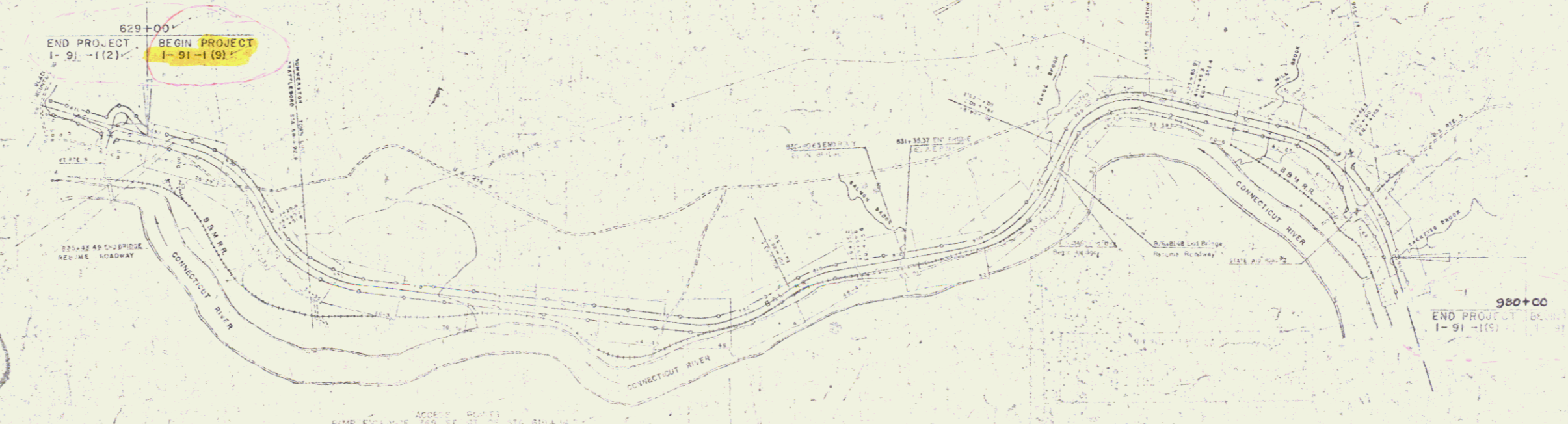


BEGINNING AT A POINT 5,744.5 FEET SOUTHERLY OF THE BRATTLEBORO-DUMMERSTON TOWN LINE AND EXTENDING NORTHERLY 35,232.2 FEET

LENGTH OF ROADWAY 35,163.02 FEET + 0.640 MILES
 LENGTH OF BRIDGES 10,739 FEET + 0.022 MILES
 LENGTH OF PROJECT 35,282.20 FEET + 0.682 MILES

DESIGN DESIGNATION	PERCENT
AD7 (1955)	25.0
AD7 (1975)	6.0
DIV (1975)	6.0
D	53%
T	5%
V	70 MPH

RIGHT-OF-WAY
 and Construction Plans



POOR ORIGINAL COPY

MP 11.74-18.42
 STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 INTERSTATE PROJECT
 BRATTLEBORO-DUMMERSTON-PUTNEY

Paved Median Gutter
Item No. 361-B
628 + 85 To 629 + 35
632 + 50 To 632 + 75
637 + 50 To 637 + 75
641 + 50 To 641 + 75

Construct Special Ditch
Item No. 103-A
630 + 00 To 630 + 50 Lt.
635 + 65 To 635 + 33 Rt.
635 + 00 To 635 + 32 Lt.

U-Turn
632+100

Granite Slope Edging
Item No. 556-A
627+43-627+95 Lt.
627+02-627+54 Rt.
623+00-623+19 Lt.
623+19-623+71 Rt.

Three Cable Guard Rail With Steel Posts
Item No. 557-B
627+68 To 628+28 Lt.
627+62 To 632+88 Rt. 47
634+07 To 636+48 Lt.
635+00 To 643+50 Lt. 65

Property Line Fence with Steel Posts
Item No. 553-B
629+00 To 630+00 Lt. 34
629+00 To 632+00 Lt. 34
634+05 To 634+05 Rt.

Stone Fill for Slope Protection Item 522
635+70 To 635+70 Lt.
634+39 To 635+00 Lt.

PUB. NO.	STATE	PUB. AND PROJ. NO.	P.L. YEAR	SHEET NO.	TOTAL SHEETS
1	VT	I-91-1(9)		28	530

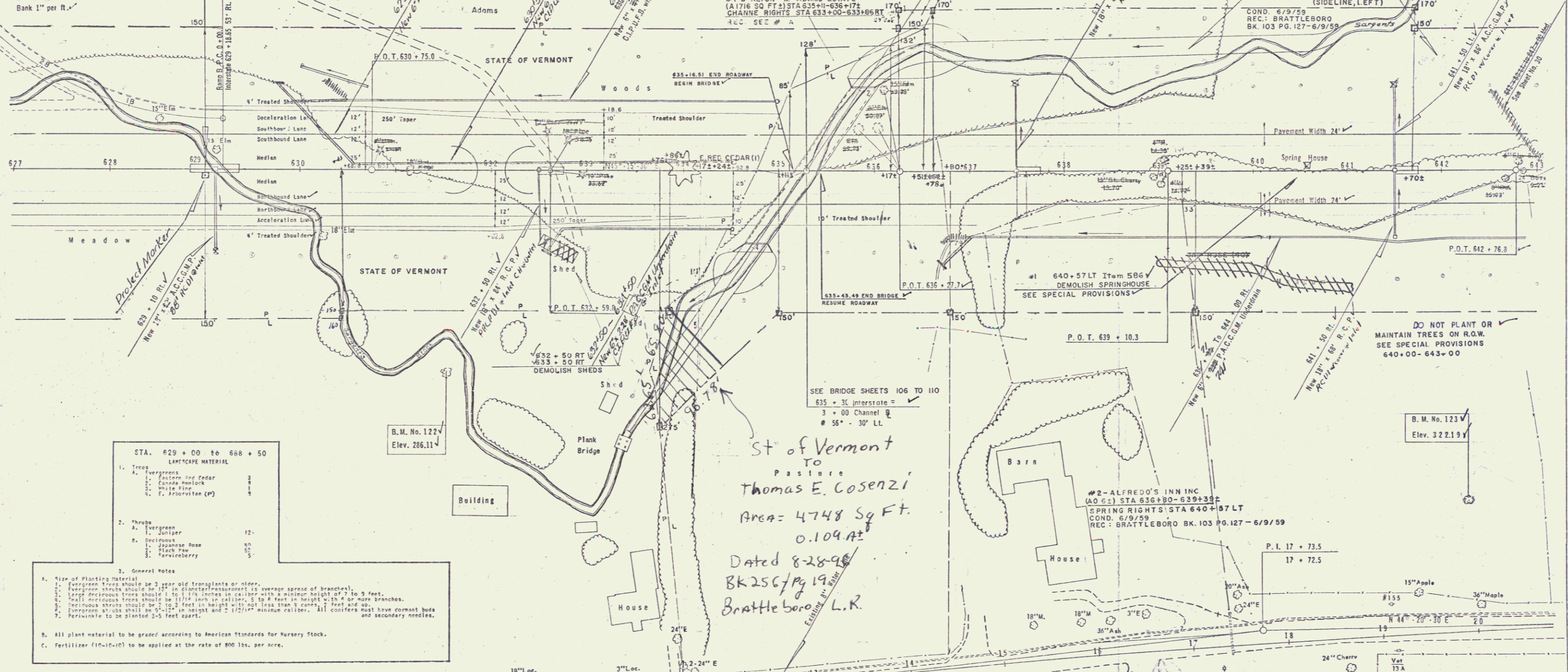
RAMP B
Δ = 47' - 40" RL
D = 16.00'
R = 350'
T = 158.15'
L = 297.84'
Bank 1" per ft.

END PROJECT	BEGIN PROJECT
1 - 91 - 1 (2)	1 - 91 - 1 (9)

Note: Location of Underdrain to be determined by the Engineer

Bituminous Grouted Stone Gutter
Item 553
629+10-As.
629+30-As.
631+50-As.
636+0-637+0 Rt.

CONSTRUCT R.O.W. FENCE
ACCORDING TO PLANS AND SPECIFICATION
BEFORE CONSTRUCTION IS BEGUN
#3A-GLADYS P. ROWE
(ALL 7) STA. 633+76-633+44
SLOPE RIGHTS - STA. 23+00-26+00E
(SIDE LINE, LEFT)



STA. 629 + 00 to 668 + 50
LANDSCAPE MATERIAL

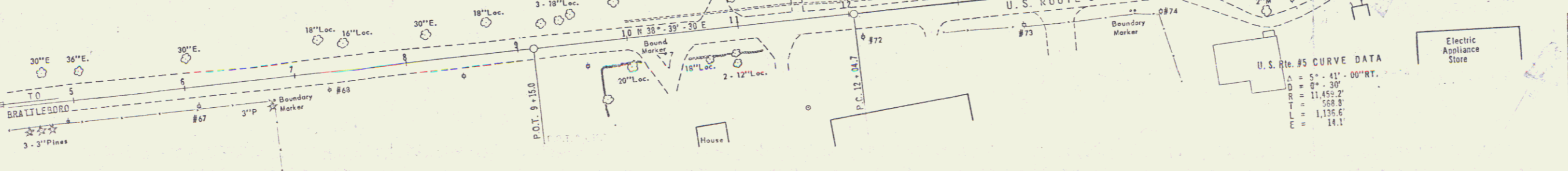
- Trees
 - Evergreens
 - Eastern Red Cedar
 - Canada Hemlock
 - White Pine
 - F. Prunifera (C)
- Shrubs
 - Evergreen
 - Juniper
 - Japanese Rose
 - Black Tea
 - Serviceberry

3. General Notes
1. Size of Planting Material
a. Evergreen trees should be 3 year old transplants or older.
b. Evergreen shrubs should be 1 1/2" to 2" diameter (measured at average spread of branches).
c. Large deciduous trees should be 1 1/2" to 2" diameter in calipers at 4' minimum height of 7 to 9 feet.
d. All deciduous trees should be 1 1/2" to 2" diameter in calipers, 5 to 8 feet in height, 2 1/2" to 4" diameter branches.
e. Deciduous shrubs should be 2 to 3 feet in height without less than 3 cords, 2 feet diameter.
f. Coverage all sites shall be 90% in height and 2 1/2" minimum caliper. All conifers must have dormant buds.
g. Plants must be planted 1-5 feet apart.

4. All plant material to be graded according to American Standards for Nursery Stock.
5. Fertilizer (16-16-16) to be applied at the rate of 800 lbs. per acre.

St of Vermont
to
Pasture
Thomas E. Cosenzi
Area = 4748 Sq Ft.
0.109 A
Dated 8-28-98
BK 25C/Pg 19
Brattleboro, L.R.

#2-ALFREDO'S INN INC
(AO CI) STA 636+80-639+33
SPRING RIGHTS STA 640+57 LT
COND. 6/9/59
REC: BRATTLEBORO BK. 103 PG. 127-6/9/59



STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the towns of
BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARKSON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS
SURVEYED BY [Signature] CHECKED BY [Signature] SCALE 1"=50'
DATE 12/31/98
PROJECT NO. I-91-1(9) SHEET 28 OF 53

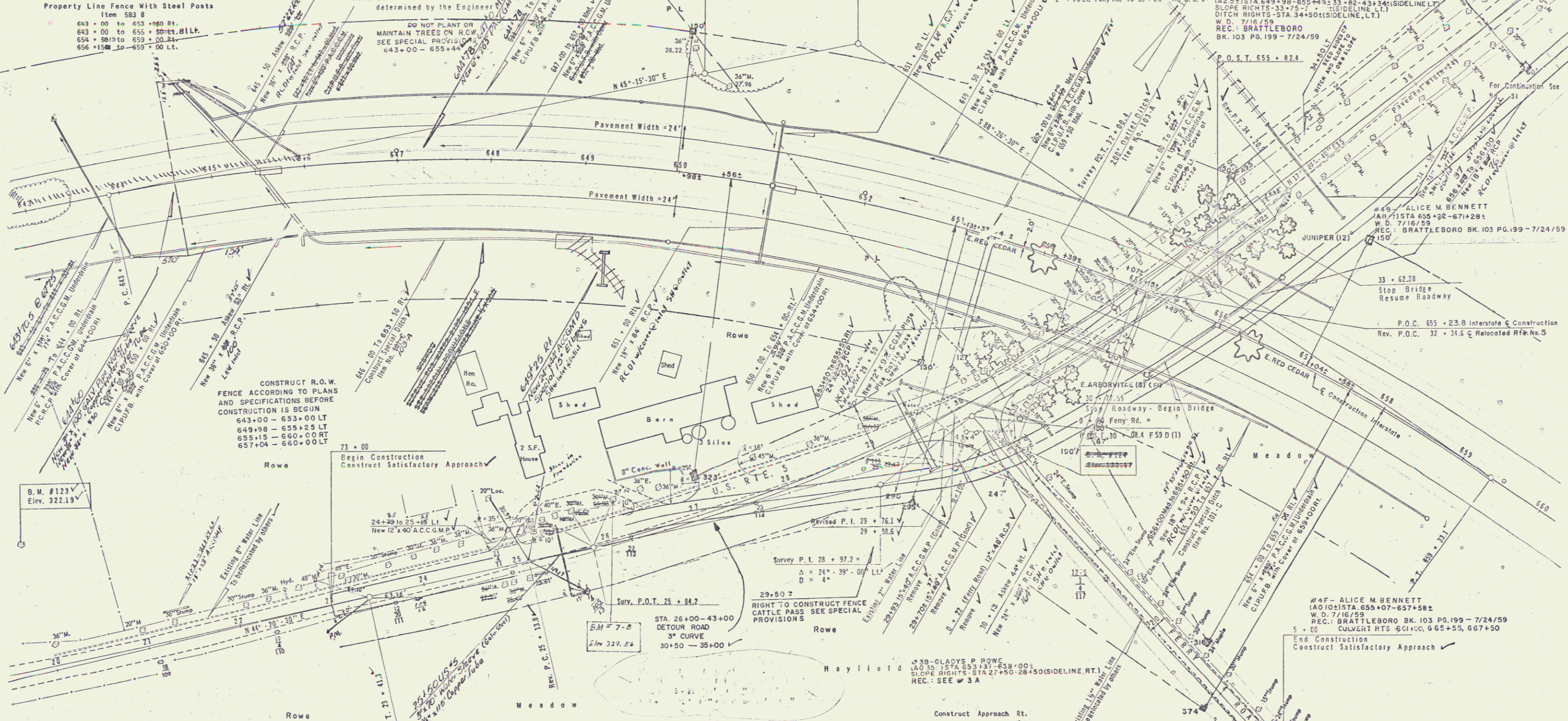
Paved Median Gutter
Item No. 361-B
645+50 To 645+75
651+00 To 651+25
656+00 To 656+25

Bituminous-Grouted Stone Gutter
Item No. 553
643+00 To 645+75
651+00 To 651+25
656+00 To 656+25

Construct Special Ditch
Item No. 103-A
644+50 To 645+47 LT.
646+00 To 648+00 RT.
648+00 To 648+00 RT.

Three Cable Guard Rail With Steel Posts
643+00 To 643+85 LT.

PUB. NO.	STATE	REV. NO.	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT	I	91-19	POST	30	530



Note: The cross sections between Sta. 642+39.1 and Sta. 660+83.8 have been offset as shown to provide for a 300' Spiral Transition at either end of the curve.

The following information applies to the Spiral Curve:

$\Delta = 37^\circ - 18' - 00''$	$D = 31'$
$LS = 300'$	
$TS = 642 + 39.1$	
$SC = 645 + 39.1$	
$CS = 657 + 83.8$	
$ST = 660 + 83.8$	

Construct Drives

Station	Left	Right
25+00	27.50	27.50
26+50	27.40	27.40
27+40	27.30	27.30
28+30	27.20	27.20

SPRICAL OFFSET TABLE

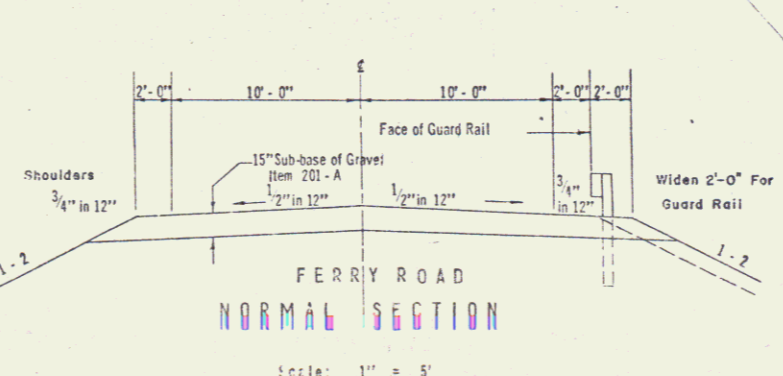
Station	Offset	Station	Offset
642+50	0.071	649+00	2.071
643+00	0.142	650+00	2.071
644+00	0.213	651+00	2.071
645+00	0.284	652+00	2.071
646+00	0.355	653+00	2.071
647+00	0.426	654+00	2.071
648+00	0.497	655+00	2.071
649+00	0.568	656+00	2.071
650+00	0.639	657+00	2.071
651+00	0.710	658+00	2.071
652+00	0.781	659+00	2.071
653+00	0.852	660+00	2.071
654+00	0.923	661+00	2.071
655+00	0.994	662+00	2.071
656+00	1.065	663+00	2.071
657+00	1.136	664+00	2.071
658+00	1.207	665+00	2.071

INTERSTATE 91

Station	Left	Right
25+00	27.50	27.50
26+50	27.40	27.40
27+40	27.30	27.30
28+30	27.20	27.20

U.S. ROUTE #5

Station	Left	Right
25+00	27.50	27.50
26+50	27.40	27.40
27+40	27.30	27.30
28+30	27.20	27.20



STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE PROJECT in the towns of
BRATTLEBORO - DUMMERSTON - PUTNEY

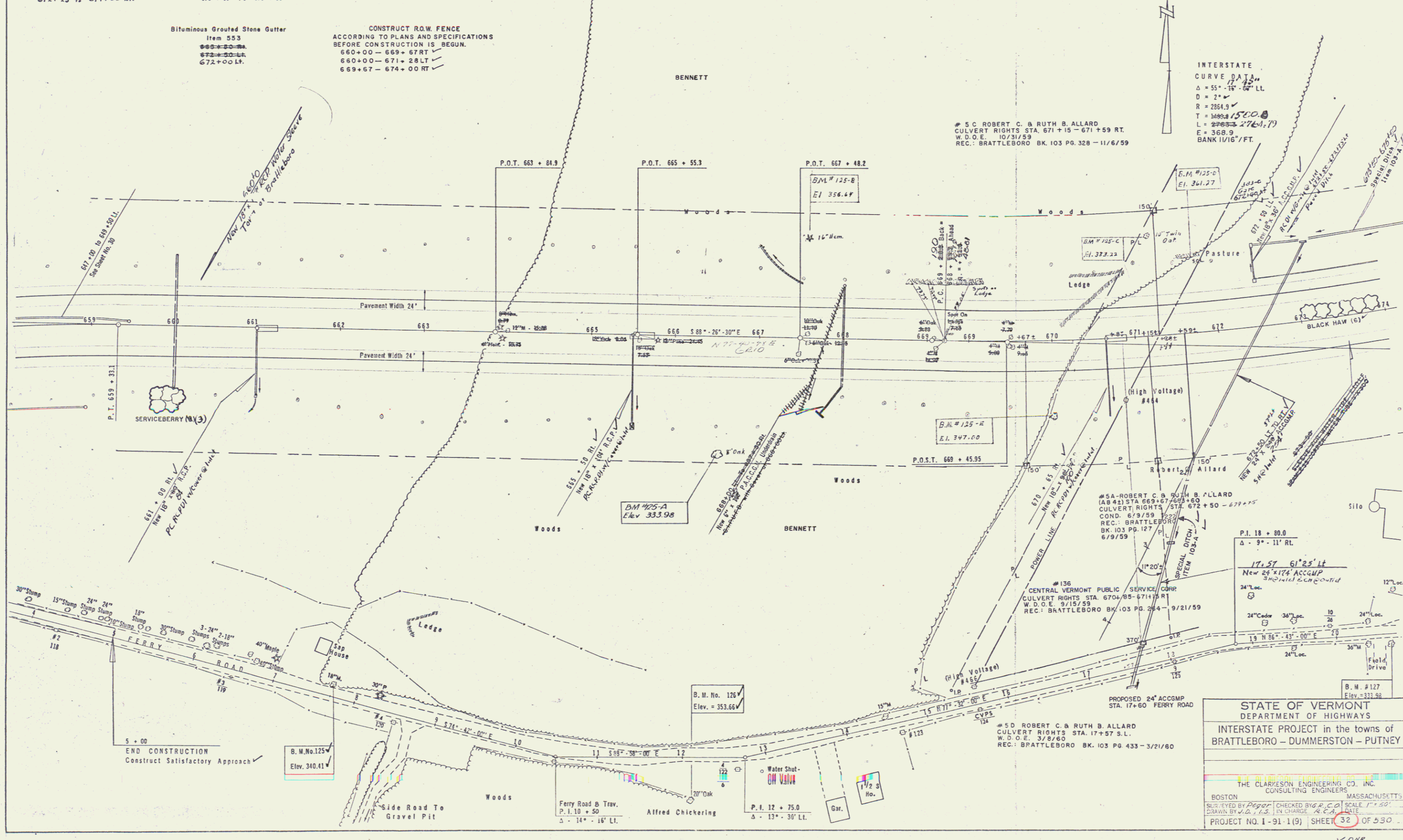
THE CLARKSON ENGINEERING CO., INC.
CONSULTING ENGINEERS MASSACHUSETTS
BOSTON

DRAWN BY: [Signature] IN CHARGE: [Signature] DATE: [Date]

PROJECT NO. 1-91-19 | SHEET 30 OF 530

Property Line Fence With Steel Posts Item 563 B 659 + 00 to 674 + 00 Rt. 659 + 00 to 674 + 00 Lt. 671 + 17 to 672 + 00 Lt. 672 + 25 to 674 + 00 Lt.	Paved Median Gutter Item No. 351 - B 661 + 00 To 661 + 25 ✓ 665 + 50 To 665 + 75 ✓ 670 + 65 To 670 + 90 ✓	Construct Special Ditch Item No. 103 - A 365 - 35 To 667 - 50 Lt.	Drilling & Blasting of Solid Rock Subgrade Item No. 114 A & B 667 + 00 To 670 + 00 LE 667 + 00 To 670 + 00 RT	Three Cable Guard Rail With Steel Posts 670 + 00 To 674 + 00 RL 672 + 25 To 674 + 00 Lt.	Bituminous Concrete Carb Item No. 555 672 + 50 To 674 + 00 Lt.
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PLAN NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT	1 - 91 - (19)	POST WAR	32	530



INTERSTATE
CURVE DATA
 $\Delta = 55^\circ - 15' - 00''$ LL
 $D = 2^\circ - 00'$
 $R = 2884.9'$
 $T = 380.8'$
 $L = 2761.7'$
 $E = 368.9'$
 $BANK 11/16' / FT.$

5 C ROBERT C. & RUTH B. ALLARD
 CULVERT RIGHTS STA. 671 + 15 - 671 + 59 RT.
 W.D.O.E. 10/31/59
 REC.: BRATTLEBORO BK. 103 PG. 328 - 11/6/59

5A ROBERT C. & RUTH B. ALLARD
 CULVERT RIGHTS STA. 672 + 50 - 672 + 75
 COND. 6/9/59
 REC.: BRATTLEBORO BK. 103 PG. 127
 6/9/59

5 D ROBERT C. & RUTH B. ALLARD
 CULVERT RIGHTS STA. 17 + 57 S.L.
 W.D.O.E. 3/8/60
 REC.: BRATTLEBORO BK. 103 PG. 433 - 3/21/60

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 INTERSTATE PROJECT in the towns of
 BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARIFSON ENGINEERING CO. INC.
 CONSULTING ENGINEERS
 BOSTON MASSACHUSETTS
 SCALE 1" = 50'
 PROJECT NO. 1-91-1(9) SHEET 32 OF 530

Paved Median Gutter
Item No. 361 - B
675 + 60 To 675 + 85
680 + 50 To 680 + 75
686 + 00 To 686 + 25

Bituminous Grouted Stone Gutter
Item No. 563
RT. LT.

Bituminous Concrete Curb
Item No. 555
RT. LT.

Three-Cable Guard Rail With Steel Posts
Item No. 114 MOD.
674 + 00 To 675 + 00 RT.
674 + 00 To 675 + 00 LT.
685 + 75 To 686 + 00 RT.
685 + 75 To 686 + 00 LT.

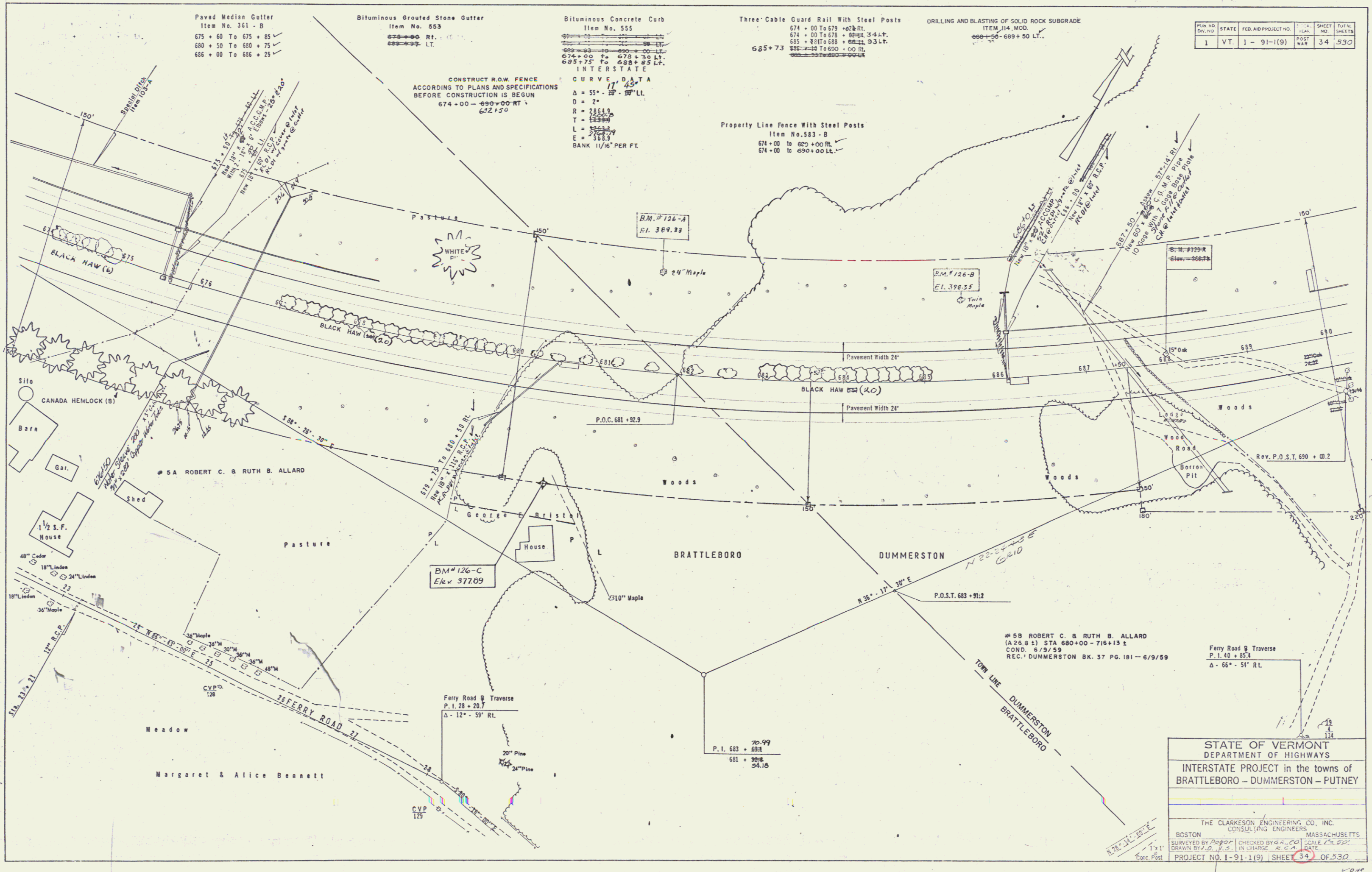
DRILLING AND BLASTING OF SOLID ROCK SUBGRADE
ITEM 114 MOD.
689 + 50 To 689 + 50 LT.

PLAN NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	VT.	1-91-1(9)	34	530

CONSTRUCT R.O.W. FENCE
ACCORDING TO PLANS AND SPECIFICATIONS
BEFORE CONSTRUCTION IS BEGUN
674 + 00 - 689 + 00 RT.
672 + 50

CURVE DATA
INTERSTATE
 $\Delta = 55^\circ - 27' - 00''$ LL
 $D = 2'$
 $R = 28513'$
 $T = 15339'$
 $L = 30677'$
 $E = 15333'$
BANK 11/16" PER FT.

Property Line Fence With Steel Posts
Item No. 583 - B
674 + 00 to 680 + 00 RT.
674 + 00 to 680 + 00 LT.



STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the towns of
BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARKSON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS
SURVEYED BY [Name] CHECKED BY [Name] SCALE 1" = 20'
DRAWN BY [Name] IN CHARGE [Name] DATE [Date]
PROJECT NO. 1-91-1(9) SHEET 34 OF 530

Property Line Fence With Steel Posts
Item No. 583 - B
690 + 00 TO 706 + 00 RT.

Bituminous Grouted Stone Gutter
Item No. 553
CONSTRUCT R.O.W. FENCE
ACCORDING TO PLAN AND SPECIFICATIONS
BEFORE CONSTRUCTION IS BEGUN
690 + 00 - 706 + 00 RT

Drilling & Blasting of Solid Rock Subgrade
W.M. 114 A & B
696 + 00 TO 706 + 00 LT.
697 + 20 TO 706 + 00 RT.

Paved Median Gutter
Item No. 361-B
695 + 50 TO 695 + 50
696 + 75 TO 696 + 75
699 + 50 TO 701 + 50

Construct Special Ditch
Item No. 107
695 + 25 TO 695 + 25
696 + 75 TO 696 + 75
699 + 50 TO 699 + 50

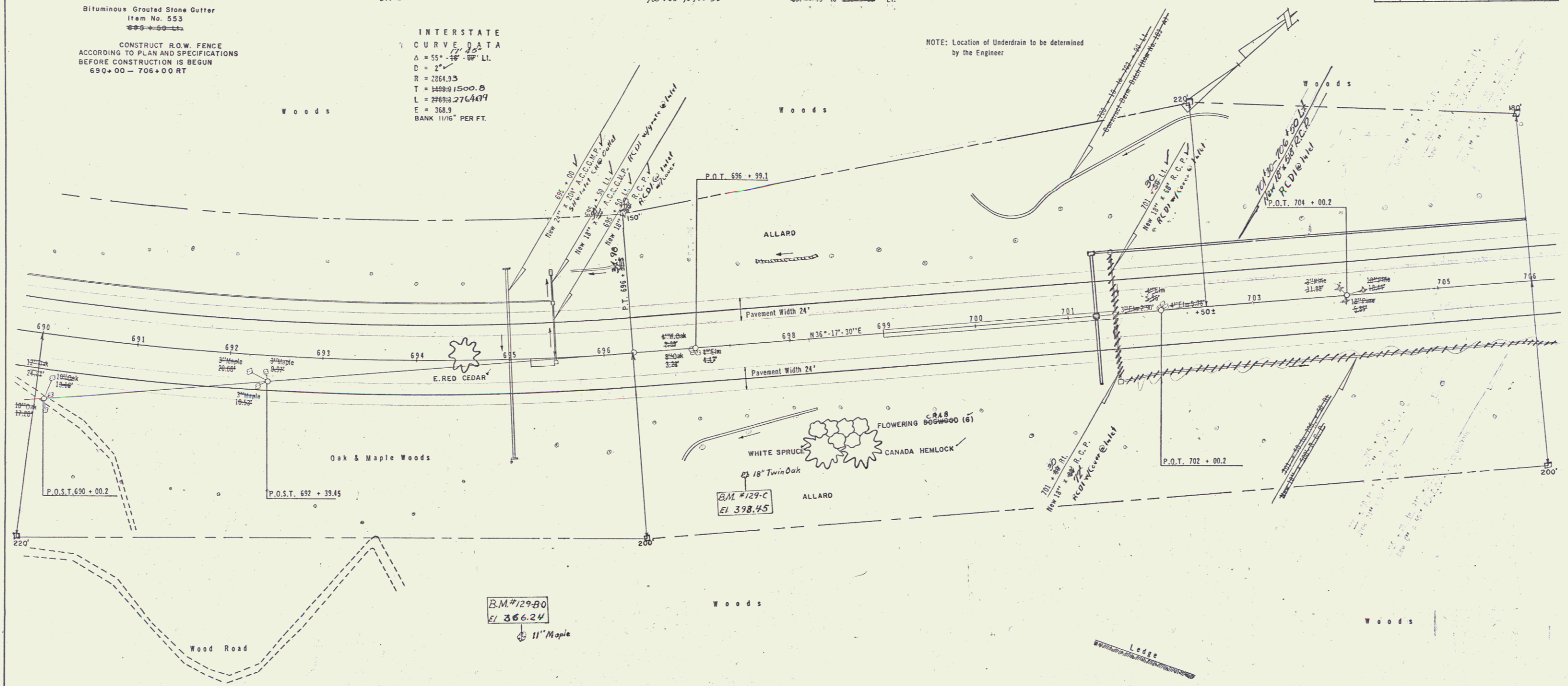
Three Cable Guard Rail With Steel Posts
693 + 00 TO 695 + 3475 RT.
693 + 00 TO 695 + 3475 RT.

Bituminous Concrete Curb
Item No. 555
693 + 00 TO 695 + 3475 RT.

NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT.	I-91-(19)	1959	36	530

INTERSTATE
CURVE DATA
Δ = 55° 36' 00" LT.
D = 214'
R = 2264.33
T = 1489.01500.8
L = 2967.0276407
E = 368.9
BANK 11/16" PER FT.

NOTE: Location of Underdrain to be determined by the Engineer



B.M. #129-B0
E.L. 366.24
11" Maple

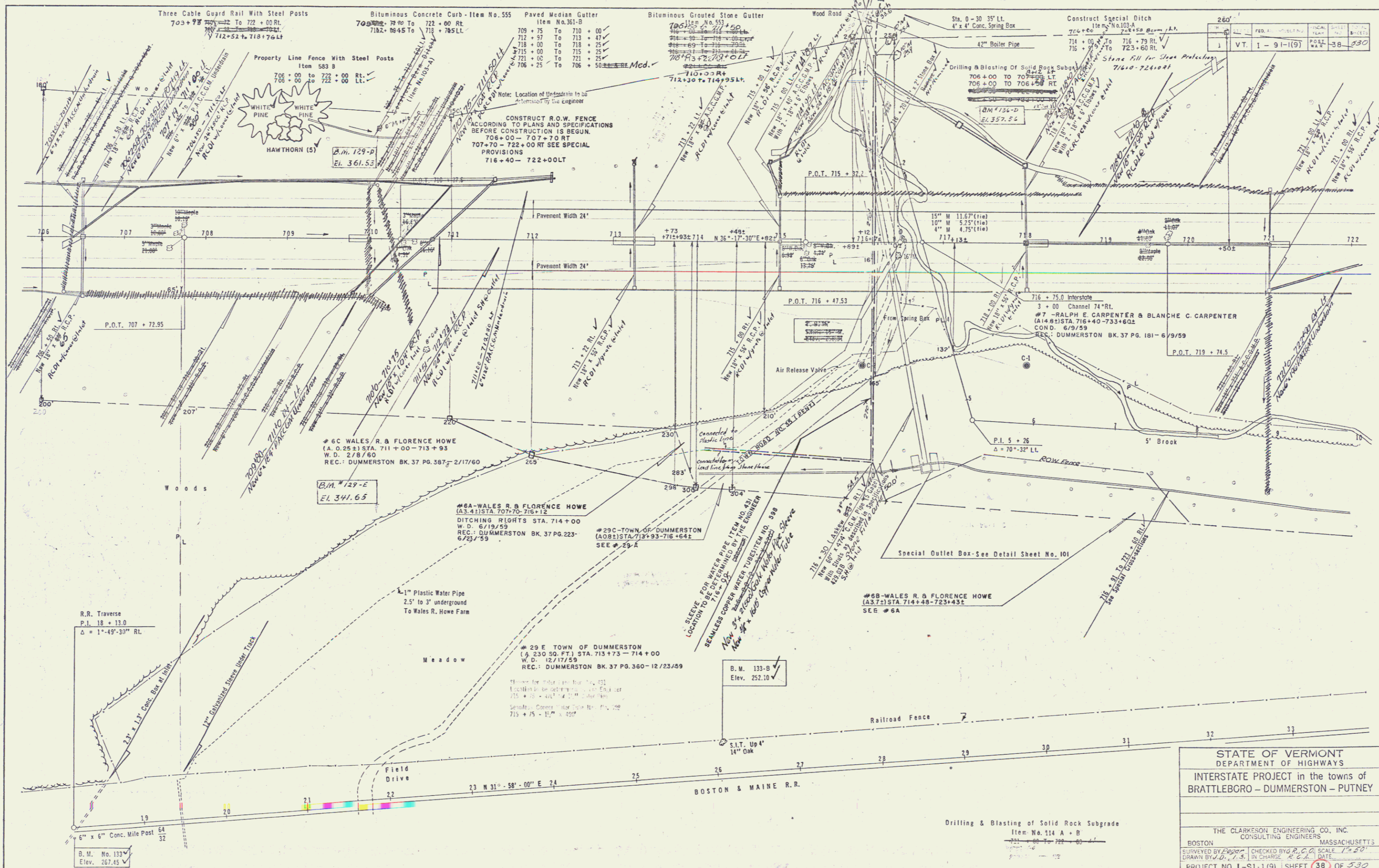
B.M. #129-C
E.L. 398.45

888 + 50 - 900 + 00
LANDSCAPE MATERIAL

1. Trees	
1. Evergreens	4
2. Eastern Red Cedar	4
3. White Pine	4
4. White Spruce	4
5. Canada Hemlock	4
6. Red Cedar	4
7. Red Pine	4
8. Red Spruce	4
9. Red Fir	4
10. Red Larch	4
11. Red Cedar	4
12. Red Pine	4
13. Red Spruce	4
14. Red Fir	4
15. Red Larch	4
16. Red Cedar	4
17. Red Pine	4
18. Red Spruce	4
19. Red Fir	4
20. Red Larch	4
21. Red Cedar	4
22. Red Pine	4
23. Red Spruce	4
24. Red Fir	4
25. Red Larch	4
26. Red Cedar	4
27. Red Pine	4
28. Red Spruce	4
29. Red Fir	4
30. Red Larch	4
31. Red Cedar	4
32. Red Pine	4
33. Red Spruce	4
34. Red Fir	4
35. Red Larch	4
36. Red Cedar	4
37. Red Pine	4
38. Red Spruce	4
39. Red Fir	4
40. Red Larch	4
41. Red Cedar	4
42. Red Pine	4
43. Red Spruce	4
44. Red Fir	4
45. Red Larch	4
46. Red Cedar	4
47. Red Pine	4
48. Red Spruce	4
49. Red Fir	4
50. Red Larch	4
51. Red Cedar	4
52. Red Pine	4
53. Red Spruce	4
54. Red Fir	4
55. Red Larch	4
56. Red Cedar	4
57. Red Pine	4
58. Red Spruce	4
59. Red Fir	4
60. Red Larch	4
61. Red Cedar	4
62. Red Pine	4
63. Red Spruce	4
64. Red Fir	4
65. Red Larch	4
66. Red Cedar	4
67. Red Pine	4
68. Red Spruce	4
69. Red Fir	4
70. Red Larch	4
71. Red Cedar	4
72. Red Pine	4
73. Red Spruce	4
74. Red Fir	4
75. Red Larch	4
76. Red Cedar	4
77. Red Pine	4
78. Red Spruce	4
79. Red Fir	4
80. Red Larch	4
81. Red Cedar	4
82. Red Pine	4
83. Red Spruce	4
84. Red Fir	4
85. Red Larch	4
86. Red Cedar	4
87. Red Pine	4
88. Red Spruce	4
89. Red Fir	4
90. Red Larch	4
91. Red Cedar	4
92. Red Pine	4
93. Red Spruce	4
94. Red Fir	4
95. Red Larch	4
96. Red Cedar	4
97. Red Pine	4
98. Red Spruce	4
99. Red Fir	4
100. Red Larch	4

General Notes
A. Size of Planting Material
1. Evergreen trees should be 3 year old transplants or older.
2. Evergreen shrubs should be 1 1/2" in diameter (measurement in average spread of branches).
3. Large deciduous trees should be 1 1/2" to 1 3/4" in diameter in calipers with a minimum height of 7 to 8 feet.
4. Small deciduous trees should be 1 1/2" to 2" in diameter in calipers, 5 to 7 feet in height with 3 or more branches.
5. Deciduous shrubs should be 2 to 3 feet in height with not less than 3 stems, 2 feet one up.
6. Coniferous shrubs shall be 8"-12" in height and 2 1/2" minimum caliper. All conifers must have dormant buds and secondary needles.
7. Perennials to be planted 2-5 feet apart.
B. All plant material to be graded according to American standards for nursery stock.
C. Fertilizer to be applied at the same time as the grass seed at the rate of 80 lbs. per acre.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the towns of
BRATTLEBORO - DUMMERSTON - PUTNEY
THE CLARKSON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS
SURVEYED BY [Signature] CHECKED BY [Signature] SCALE 1" = 50'
DRAWN BY [Signature] IN CHARGE [Signature] DATE [Date]
PROJECT NO. 1-91-1(9) SHEET 36 OF 530



Three Cable Guard Rail With Steel Posts
703+98 To 722+00 RL
712+51 to 718+76 LL

Bituminous Concrete Curb - Item No. 555
708+00 To 722+00 Rt.
718+06 to 718+76 LL

Paved Median Gutter
Item No. 361-B
709+75 To 710+00
712+57 To 713+47
718+00 To 718+25
715+00 To 715+25
721+00 To 721+25
708+25 To 708+50

Bituminous Grouted Stone Gutter
Item No. 553
708+00 To 722+00 Rt.
718+06 to 718+76 LL

Wood Road
Sta. 0-30 35' LL
4' x 4' Conc. Spring Box

Construct Special Ditch
Item No. 100-A
714+00 To 716+79 RL
715+00 To 723+60 RL

Property Line Fence With Steel Posts
Item 553 B
706+00 to 722+00 Rt.
706+00 to 722+00 Lt.

White Pine
HAWTHORN (S)

Note: Location of the sidewalk to be constructed by the engineer

CONSTRUCT R.O.W. FENCE
ACCORDING TO PLANS AND SPECIFICATIONS
BEFORE CONSTRUCTION IS BEGUN.
706+00 - 707+70 RT
707+70 - 722+00 RT SEE SPECIAL
PROVISIONS
716+40 - 722+00 LT

Pavement Width 24'

P.O.T. 707 + 72.95

P.O.T. 715 + 37.2

P.O.T. 716 + 47.53

P.O.T. 719 + 74.5

716 + 75.0 Interstate

3' x 00" Channel 74" RL
#7 - RALPH E. CARPENTER & BLANCHE C. CARPENTER
(A14.8) STA. 716+40-733+60
COND. 6/9/59
REC. DUMMERSTON BK. 37 PG. 181-6/9/59

#60 WALES R. & FLORENCE HOWE
(A.S. 4.2) STA. 711+00-713+93
W.D. 2/8/60
REC. DUMMERSTON BK. 37 PG. 387-2/17/60

#6A WALES R. & FLORENCE HOWE
(A.S. 4.2) STA. 707+70-716+12
DITCHING RIGHTS STA. 714+00
W.D. 6/19/59
REC. DUMMERSTON BK. 37 PG. 223-6/23/59

#29C TOWN OF DUMMERSTON
(A.O.B.) STA. 718+93-716+64
SEE #29-A

#29 E TOWN OF DUMMERSTON
(A.S. 30.50 FT.) STA. 713+73 - 714+00
W.D. 12/17/59
REC. DUMMERSTON BK. 37 PG. 360-12/23/59

1" Plastic Water Pipe
2.5' to 3' underground
To Wales R. Howe Farm

SEWER FOR WATER PIPE ITTIE NO. 431
LOCATION TO BE DETERMINED BY THE ENGINEER
SEWELER COPPER WATER TUBES ITEM NO. 598
New 8" x 8" Plastic Sewer Pipe
New 8" x 8" Cop. for Water Pipe

Special Outlet Box - See Detail Sheet No. 101

R.R. Traverse
P.I. 18 + 13.0
Δ = 1°-49'-33" RL

6" x 6" Conc. Mile Post
B.M. No. 133
Elev. 267.45

Field Drive
23 N 31°-58'-00" E 24

BOSTON & MAINE R.R.

S.I.T. Up 4'
14" Oak

B.M. 133-B
Elev. 252.10

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

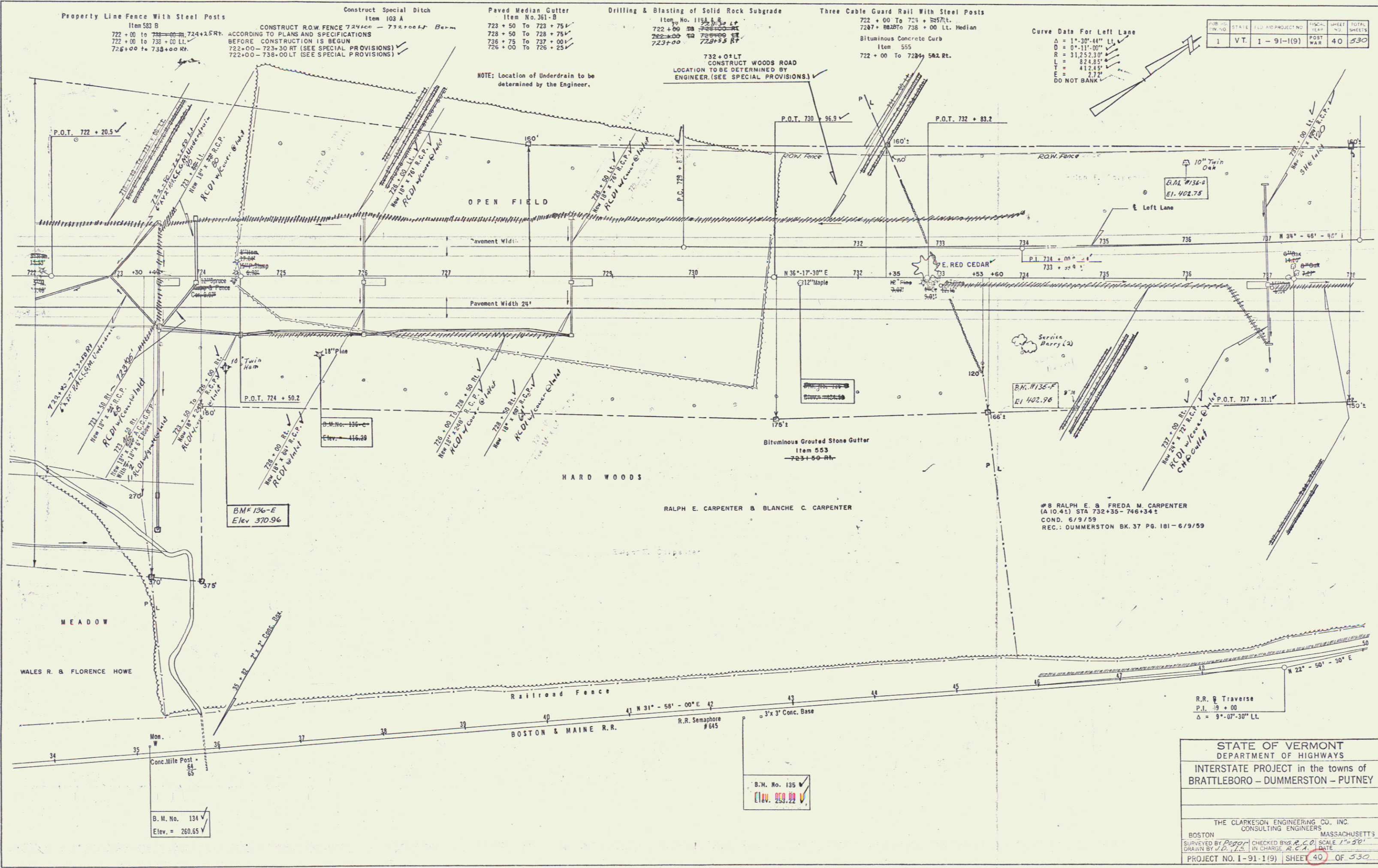
INTERSTATE PROJECT in the towns of
BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARKSON ENGINEERING CO., INC.
CONSULTING ENGINEERS

BOSTON MASSACHUSETTS

SURVEYED BY [Signature] CHECKED BY G.R.C. SCALE 1" = 50'
DRAWN BY W.D. DATE 4-2-60

PROJECT NO. I-91-1(9) SHEET 38 OF 330



Property Line Fence With Steel Posts
Item 583 B
722+00 to 728+00 RT. 724+25 RT.
722+00 to 728+00 LT.
726+00 to 738+00 RT.

Construct Special Ditch
Item 103 A
CONSTRUCT ROW FENCE 724+00 - 738+00 RT. BERM
ACCORDING TO PLANS AND SPECIFICATIONS
BEFORE CONSTRUCTION IS BEGUN
722+00 - 723+30 RT (SEE SPECIAL PROVISIONS)
722+00 - 738+00 LT (SEE SPECIAL PROVISIONS)

Paved Median Gutter
Item No. 351-B
723+50 To 723+75 L
725+50 To 725+75 L
726+75 To 727+00 L
726+00 To 726+25 L

Drilling & Blasting of Solid Rock Subgrade
Item No. 1154-B
722+00 To 728+00 RT
722+00 To 728+00 RT
728+00 To 728+00 RT

Three Cable Guard Rail With Steel Posts
722+00 To 723+525 RT.
728+75 To 738+00 Lt. Median
Bituminous Concrete Curb
Item 555
722+00 To 728+582 Rt.

Curve Data For Left Lane
 $\Delta = 1^{\circ} 30' 44''$ LL
 $D = 0^{\circ} 11' 00''$
 $R = 31,252.30'$
 $L = 82.83'$
 $T = 412.45'$
 $E = 2.72'$
DO NOT BANK

PROJECT NO.	STATE	FILE AND PROJECT NO.	INCH.	SHEET NO.	TOTAL SHEETS
1	VT.	1-91-1(9)	POST	40	530

NOTE: Location of Underdrain to be determined by the Engineer.

732+00 LT
CONSTRUCT WOODS ROAD
LOCATION TO BE DETERMINED BY ENGINEER (SEE SPECIAL PROVISIONS)

#8 RALPH E. & FRED M. CARPENTER
(A 10-4) STA 732+35 - 748+34 L
COND. 6/9/59
REC.: DUMMERSTON BK. 37 PG. 181 - 6/9/59

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the towns of
BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARKSON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS
DRAWN BY J.D.L.S. IN CHARGE R.C.A. DATE
PROJECT NO. 1-91-1(9) SHEET 40 OF 530

CONSTRUCT R.O.W. FENCE
 ACCORDING TO PLANS AND SPECIFICATIONS
 BEFORE CONSTRUCTION IS BEGUN
 738+00 - 746+34 LT ✓
 746+34 - 752+21 LT ✓

Property Line Fence With Steel Posts
 Item No. 583-B
 738+00 to 746+00 RL 746+00 RT ✓
 738+00 to 754+00 LL ✓
 750+85 to 754+00 RT ✓

Paved Median Gutter
 Item No. 361-B
 740+50 To 742+50 ✓
 747+55 To 747+80 ✓
 753+25 To 753+50 ✓

Bituminous Grouted Stone Gutter
 Item No. 553
 746+51 To 747+55 RT ✓
 747+55 To 747+55 RT ✓
 748+50 RT ✓

Construct Special Ditch
 Item No. 103-A
 742+85 To 744+75 RT ✓
 745+50 To 747+10 RT ✓

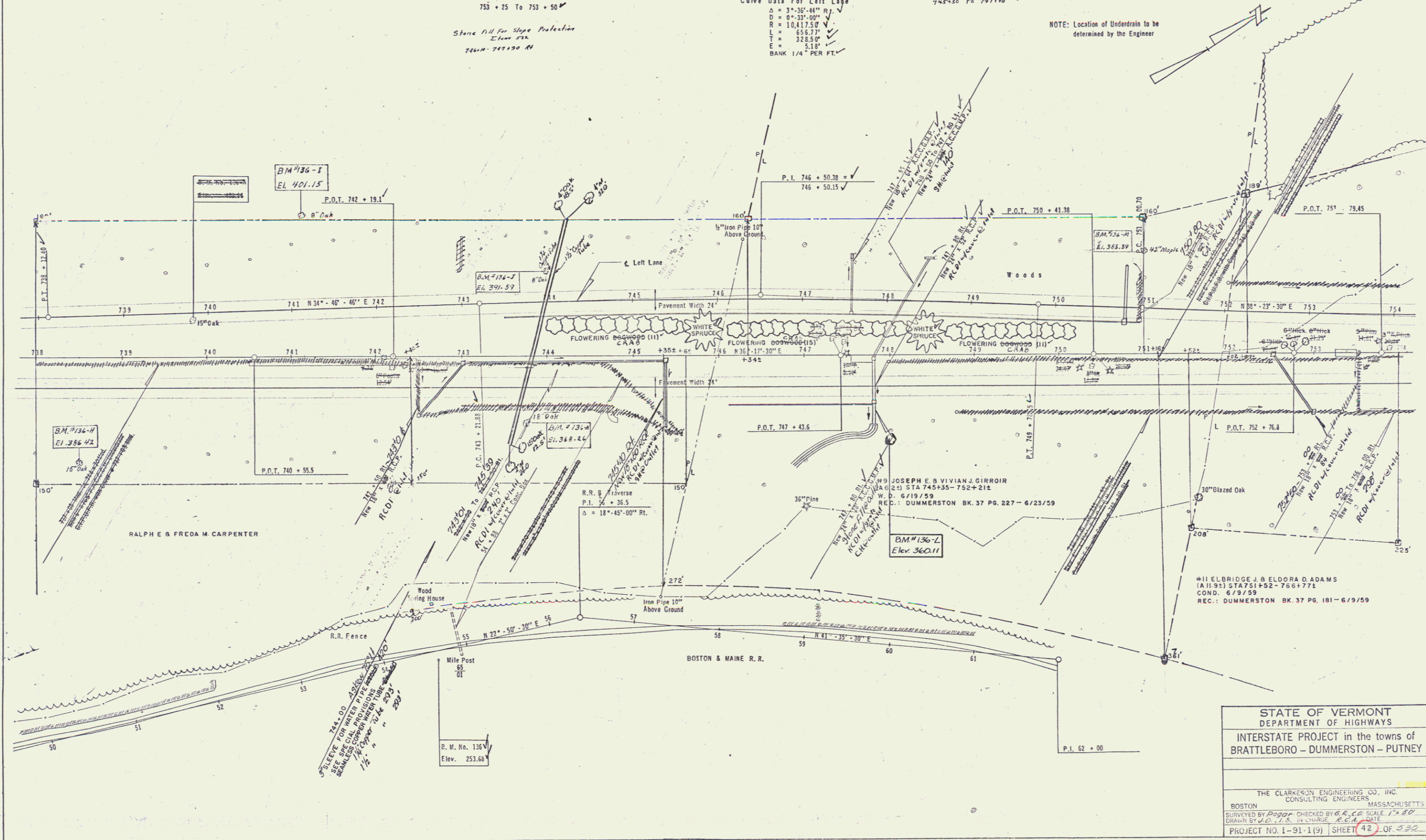
Three Cable Guard Rail With
 Steel Posts
 738+00 To 754+00 Lt. Median ✓
 742+85 To 744+75 RT ✓
 745+50 To 747+10 RT ✓

Bituminous Concrete Curb Item No. 555
 743+00 To 751+00 Lt. Median ✓
 742+85 To 744+75 RT ✓
 745+50 To 747+10 RT ✓

PROJECT NO.	STATE	ED. ADMINISTRATION	POST	SHEET NO.	TOTAL SHEETS
1	VT.	1-91-1(9)	WAR	42	530

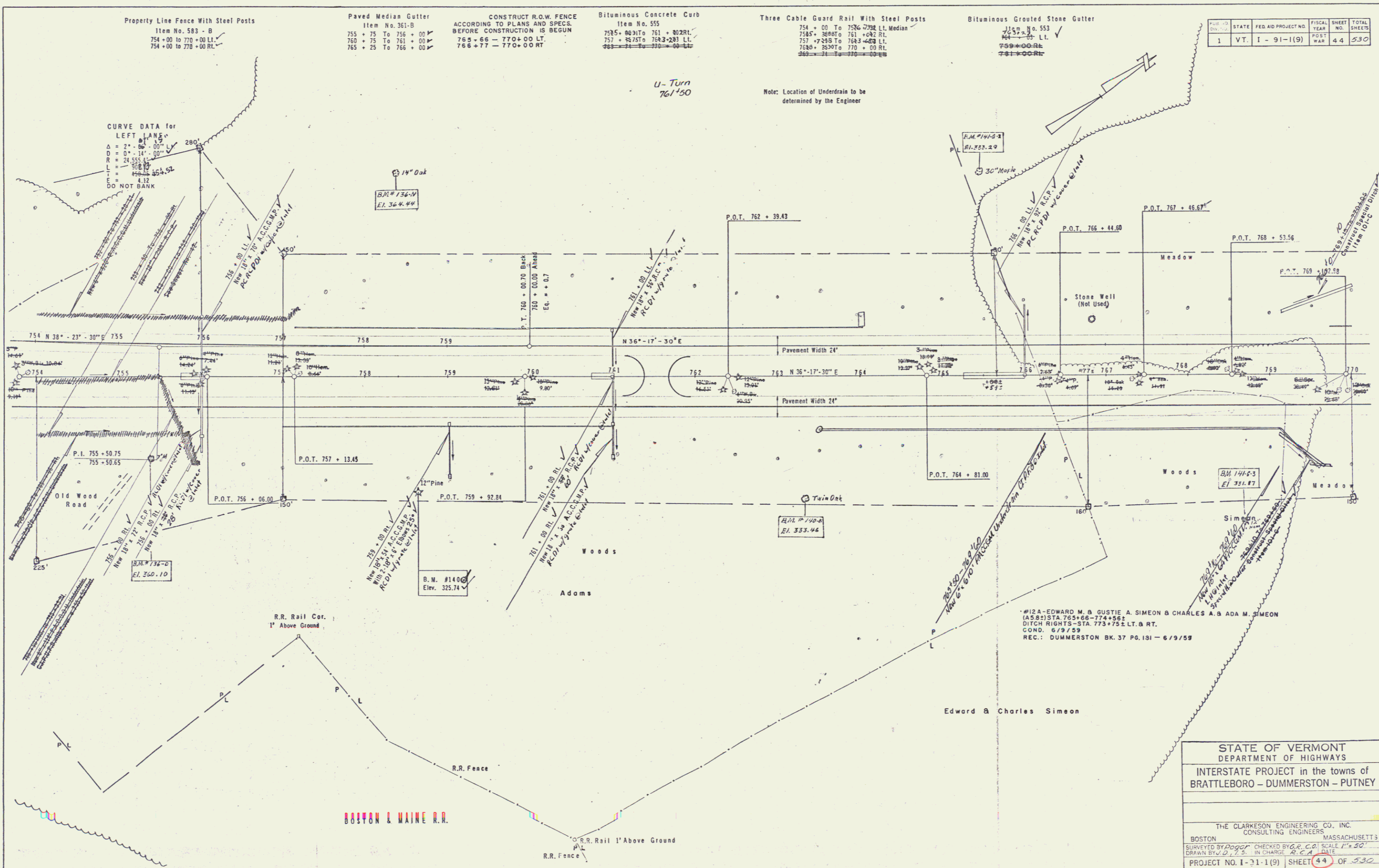
Curve Data For Left Lane
 $\Delta = 3^{\circ}35'41''$ R ✓
 $D = 0^{\circ}33'00''$ V ✓
 $R = 10,417.50'$ ✓
 $L = 656.77'$ ✓
 $T = 328.50'$ ✓
 $E = 5.18'$ ✓
 BANK 1/4" PER FT ✓

NOTE: Location of Underdrain to be determined by the Engineer



STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 INTERSTATE PROJECT in the towns of
 BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARKSON ENGINEERING CO., INC.
 CONSULTING ENGINEERS
 BOSTON MASSACHUSETTS
 SURVEYED BY *Rogor* CHECKED BY *E.C.G.* SCALE 1" = 80'
 DRAWN BY *W.D.* IN CHARGE *E.C.G.* DATE
 PROJECT NO. 1-91-1(9) SHEET 42 OF 530



STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
VT.	I-91-1(9)	WAR	44	530

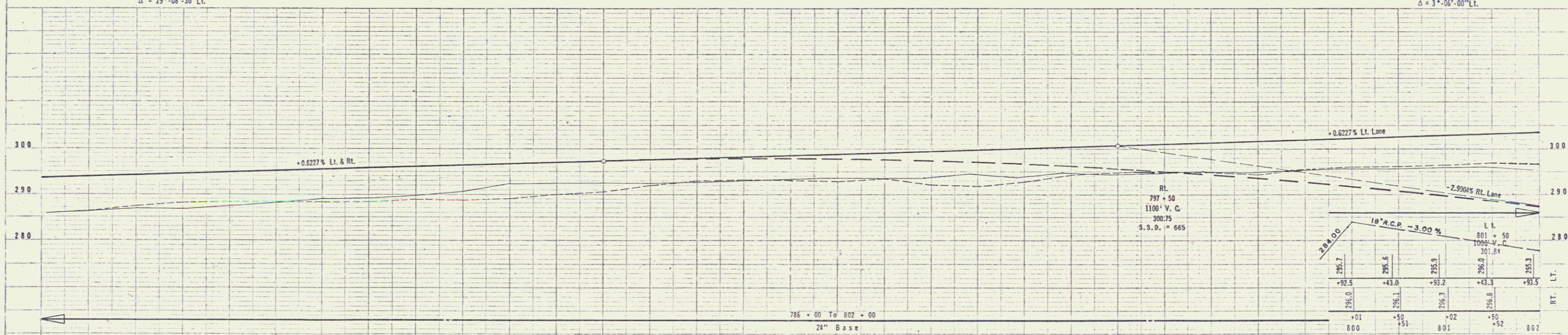
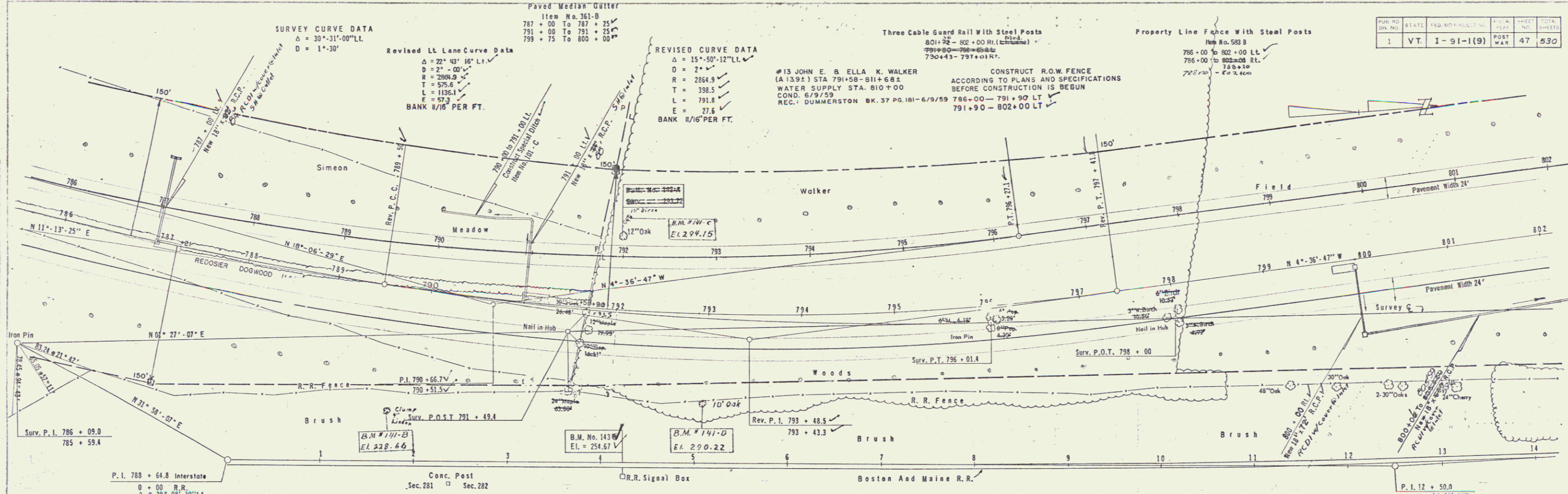
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE PROJECT in the towns of
BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARKESON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS 3

SURVEYED BY *Roger* CHECKED BY *R.C.A.* SCALE 1" = 50'
DRAWN BY *D.J.S.* IN CHARGE *R.C.A.* DATE

PROJECT NO. I-31-1(9) SHEET 44 OF 530



Station	RT. Elevation	LT. Elevation
786+00	285.8	285.8
787+00	286.1	286.2
788+00	287.1	286.9
789+00	287.8	286.8
790+00	288.2	287.4
791+00	288.3	288.0
792+00	288.3	289.1
793+00	288.9	289.2
794+00	288.7	289.6
795+00	289.0	290.0
796+00	289.1	290.5
797+00	289.8	290.6
798+00	290.2	290.5
799+00	290.3	290.8
800+00	290.3	291.2
801+00	290.5	291.6
802+00	290.5	291.5

B.M. No. 143 Top N.E. Anchor Bolt R.R. Signal Box No. 282 Elev. = 254.67' B.M. No. 141-B S.I.T. Clamp 4" Linden 155' R.R. Sta. 789+70 El. 286.86
 B.M. No. 141-C 10" Birch 100' Lt. Sta. 792+10 El. 294.15 B.M. No. 141-D S.I.T. 10" Oak 98' Rl. Sta. 792+90 El. 290.22

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 INTERSTATE PROJECT in the towns of
 BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARKSON ENGINEERING CO., INC.
 CONSULTING ENGINEERS
 MASSACHUSETTS

SCALE 1" = 50'
 PROJECT NO. I-91-1(9) SHEET 47 OF 230

13

CONSTRUCT R.O.W. FENCE
ACCORDING TO PLANS AND SPECIFICATIONS
BEFORE CONSTRUCTION IS BEGUN
802+00 - 818+00 LT.

Property Line Fence With Steel Posts
Item No. 553-B
802+00 to 818+00 Lt.
802+00 to 818+00 Rt.
Three Cable Guard Rail With Steel Posts
807+00 To 818+00 Rt. Med.
808+00 to 818+00 Lt. Med.
808+00 to 812+00 Lt. Med.
808+00 to 812+00 Lt. Med.

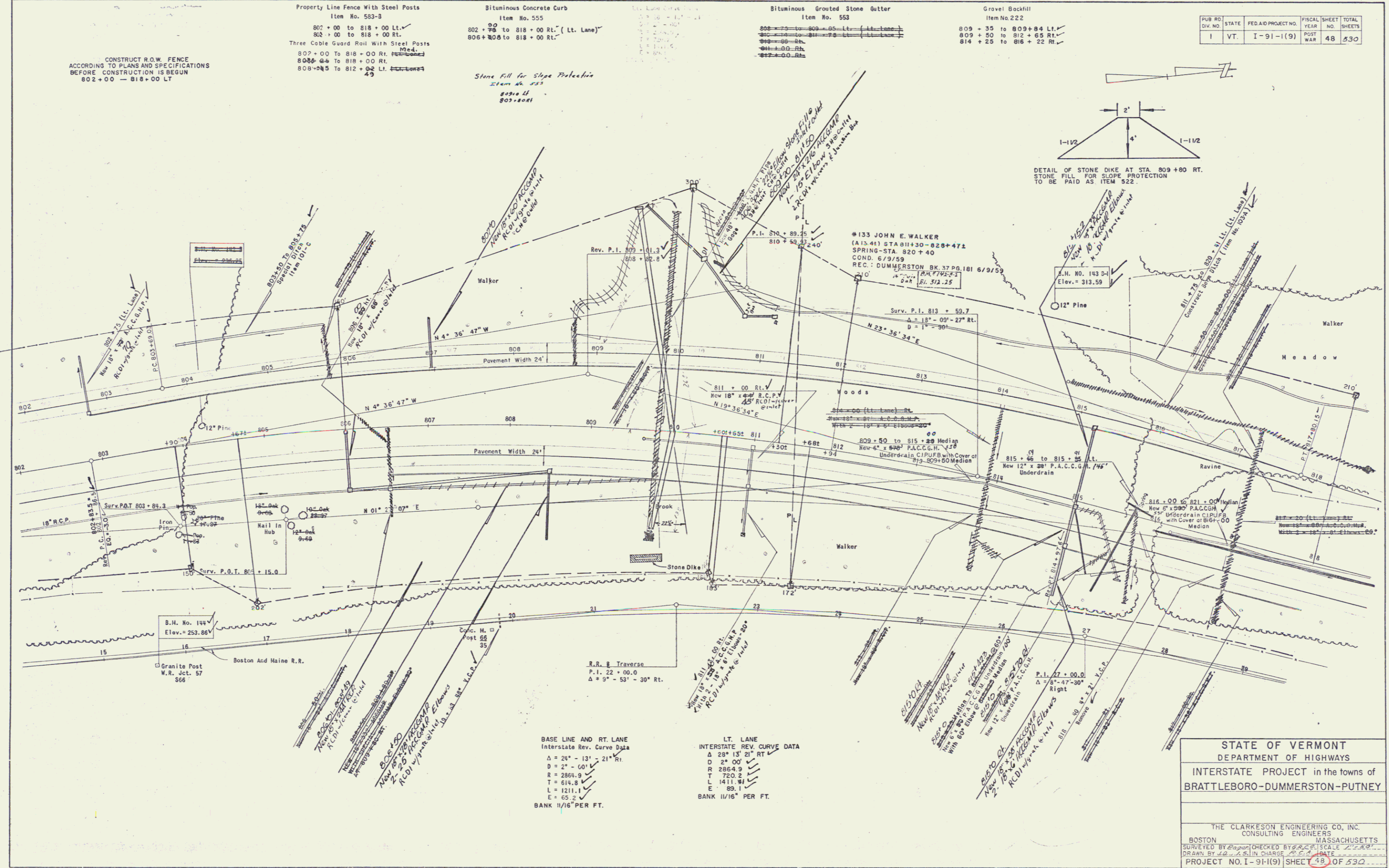
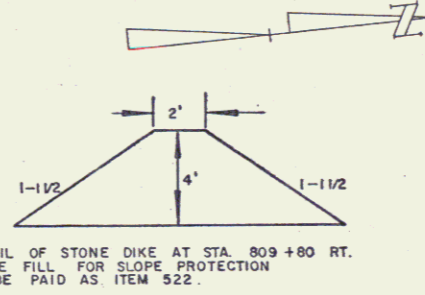
Bituminous Concrete Curb
Item No. 555
802+78 to 818+00 Rt. (Lt. Lane)
806+00 to 818+00 Rt.

Stone Fill for Slope Protection
Item No. 522
802+00
803+00

Bituminous Grouted Stone Gutter
Item No. 553
808+75 to 809+05 Lt. (Lt. Lane)
808+75 to 809+05 Rt. (Lt. Lane)
808+75 to 809+05 Lt. (Lt. Lane)
808+75 to 809+05 Rt. (Lt. Lane)

Gravel Backfill
Item No. 222
809+35 to 809+84 Lt.
809+50 to 812+65 Rt.
814+25 to 816+22 Rt.

PUB. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
I	VT.	I-91-1(9)	POST WAR	48	530



BASE LINE AND RT. LANE
Interstate Rev. Curve Data
Δ = 24° - 13' - 21" Rt.
D = 2' - 00"
R = 2864.9
T = 618.3
L = 1211.1
E = 65.2
BANK 1 1/16" PER FT.

LT. LANE
Interstate Rev. Curve Data
Δ = 28° - 15' - 21" Rt.
D = 2' - 00"
R = 2864.9
T = 720.2
L = 1411.8
E = 89.1
BANK 1 1/16" PER FT.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the towns of
BRATTLEBORO-DUMMERSTON-PUTNEY

THE CLARKSON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS
SURVEYED BY [Signature] CHECKED BY [Signature] SCALE 1" = 40'
DESIGNED BY [Signature] DRAWN BY [Signature] DATE [Date]
PROJECT NO. I-91(9) SHEET 48 OF 530

Item No.	Description	Stationing
Item 555 - Bituminous Concrete Curb	818 + 00 to 825 + 00 RT.	825 + 00 to 834 + 20 LT.
Stone Fill For Slope Protection - Item 522	818 + 00 to 820 + 41 LT.	820 + 41 to 828 + 50 LT.
Paved Median Gutter	824 + 75 to 828 + 00	
Bituminous Grouted Stone Gutter	827 + 75 to 828 + 00	
Three Cable Guard Rail With Steel Posts	818 + 00 to 830 + 00 RT.	818 + 00 to 834 + 00 LT.
Gravel Backfill	818 + 10 to 824 + 00 RT.	829 + 00 to 831 + 50 LT.

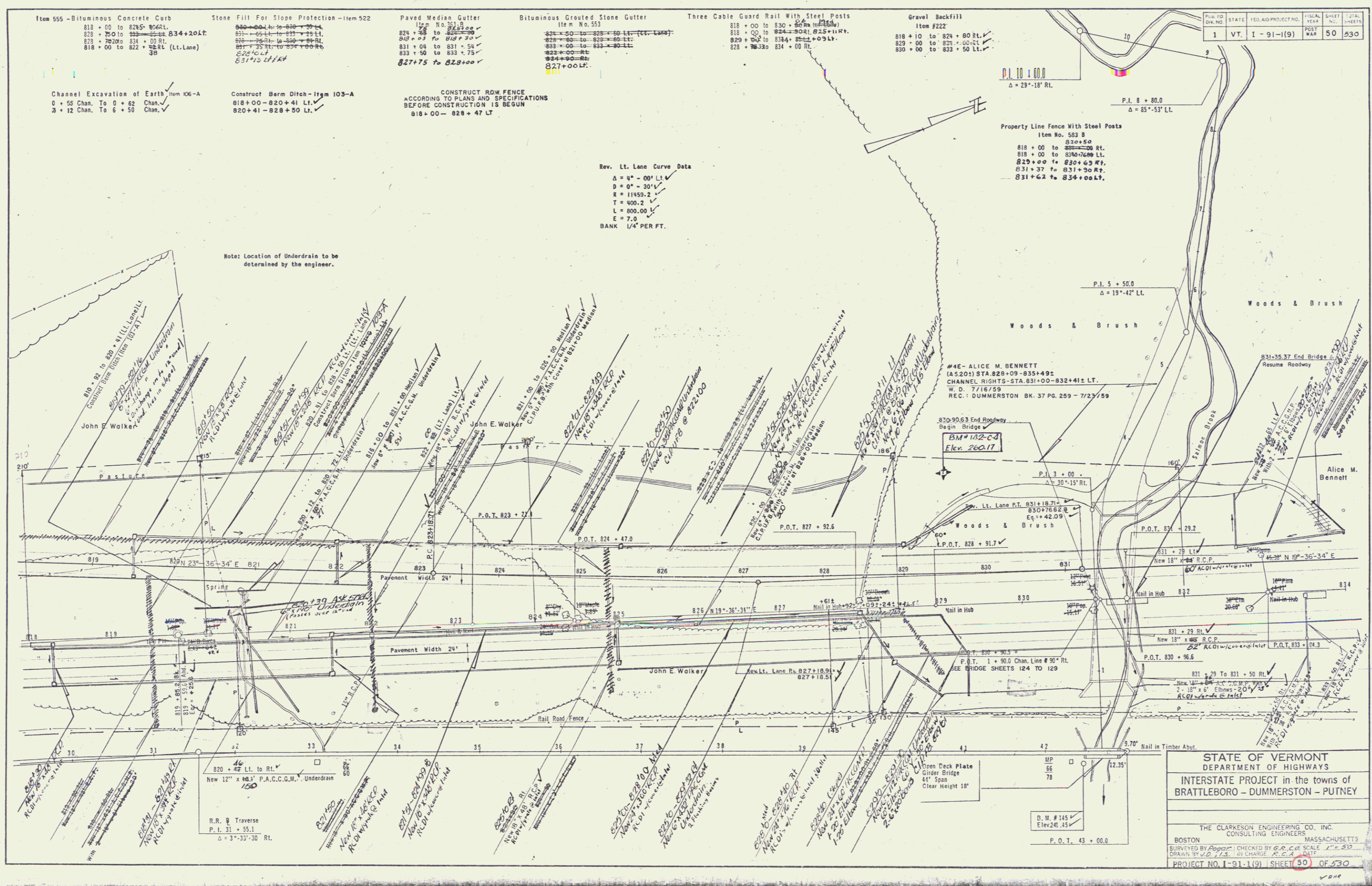
Channel Excavation of Earth Item 106-A
 0 + 55 Chan. To 0 + 62 Chan.
 3 + 12 Chan. To 6 + 50 Chan.

Construct Berm Ditch - Item 103-A
 818 + 00 - 820 + 41 LT.
 820 + 41 - 828 + 50 LT.

CONSTRUCT ROW FENCE
 ACCORDING TO PLANS AND SPECIFICATIONS
 BEFORE CONSTRUCTION IS BEGUN
 818 + 00 - 828 + 47 LT.

Rev. Lt. Lane Curve Data
 $\Delta = 9^\circ - 00' \text{ LT.}$
 $R = 94 - 30' \text{ LT.}$
 $E = 11450.2$
 $T = 400.2$
 $L = 800.00 \text{ LT.}$
 $E = 7.0$
 BANK 1/4" PER FT.

Note: Location of Underdrain to be determined by the engineer.



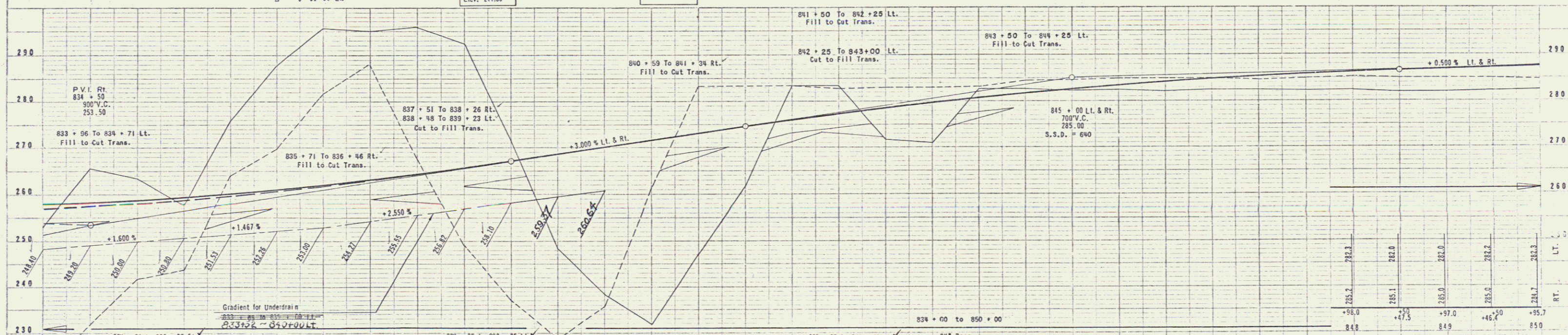
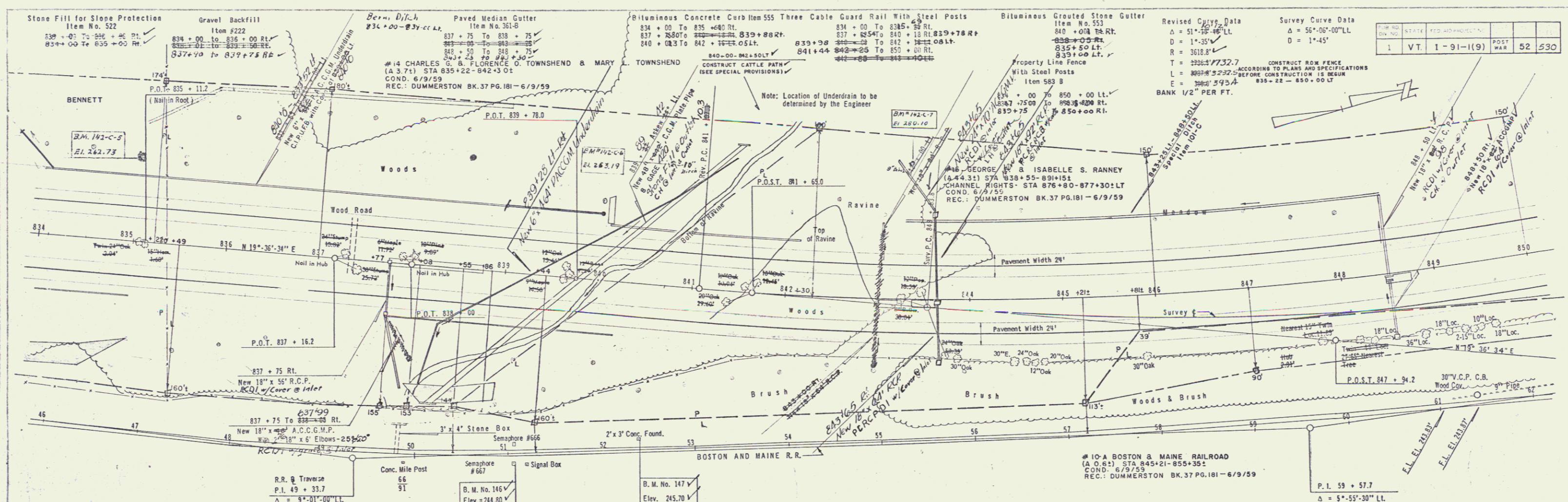
STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 INTERSTATE PROJECT in the towns of
 BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARKSON ENGINEERING CO. INC.
 CONSULTING ENGINEERS

BOSTON MASSACHUSETTS
 SURVEYED BY *Robert* CHECKED BY *G.R.C.* SCALE 1" = 40'
 DRAWN BY *J.C.* IN CHARGE *R.C.A.* DATE

PROJECT NO. I-91-1(9) SHEET 30 OF 530

15



Station	Elev. (ft.)	Notes
834	222.0	
+50	231.8	
835	231.8	
+50	233.9	
836	233.9	
+50	237.7	
837	237.7	
+50	238.1	
838	238.1	
+01	238.3	
+50	239.0	
839	239.0	
+50	239.6	
840	239.6	
+50	239.7	
841	239.7	
+50	239.3	
842	239.3	
+50	238.2	
843	238.2	
+50	237.7	
844	237.7	
+50	237.7	
845	237.7	
+50	237.5	
846	237.5	
+50	236.9	
847	236.9	
+50	236.5	
848	236.5	
+50	236.2	
849	236.2	
+50	235.9	
850	235.9	

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the towns of
BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARKESON ENGINEERING CO., INC.
CONSULTING ENGINEERS MASSACHUSETTS
BOSTON
SURVEYED BY [Name] CHECKED BY [Name] SCALE 1"=50'
DRAWN BY [Name] IN CHARGE [Name] DATE [Date]
PROJECT NO. 1-91-1(9) SHEET 52 OF 530

PLAN
10/27/59
10/27/59

10/27/59
10/27/59

B.M. No. 146 N. W. Corner Footing R.R. Semaphore No. 667 Elev. = 224.80'
B.M. No. 147 Chisled Square N.E. Corner Footing Abandoned R.R. Semaphore Elev. = 245.70'

Property Line Fence With Steel Posts
Item No. 583 - B
850 + 00 to 866 + 00 Lt. ✓
850 + 00 to 854 + 50 Rt.

Paved Median Gutter
Item 361 - B
852 + 50 To 852 + 75 ✓
860 + 50 To 860 + 75 ✓
865 + 35 To 865 + 60 ✓

CONSTRUCT R.O.W. FENCE
ACCORDING TO PLANS AND SPECIFICATIONS
BEFORE CONSTRUCTION IS BEGUN
850 + 00 - 866 + 00 Lt.

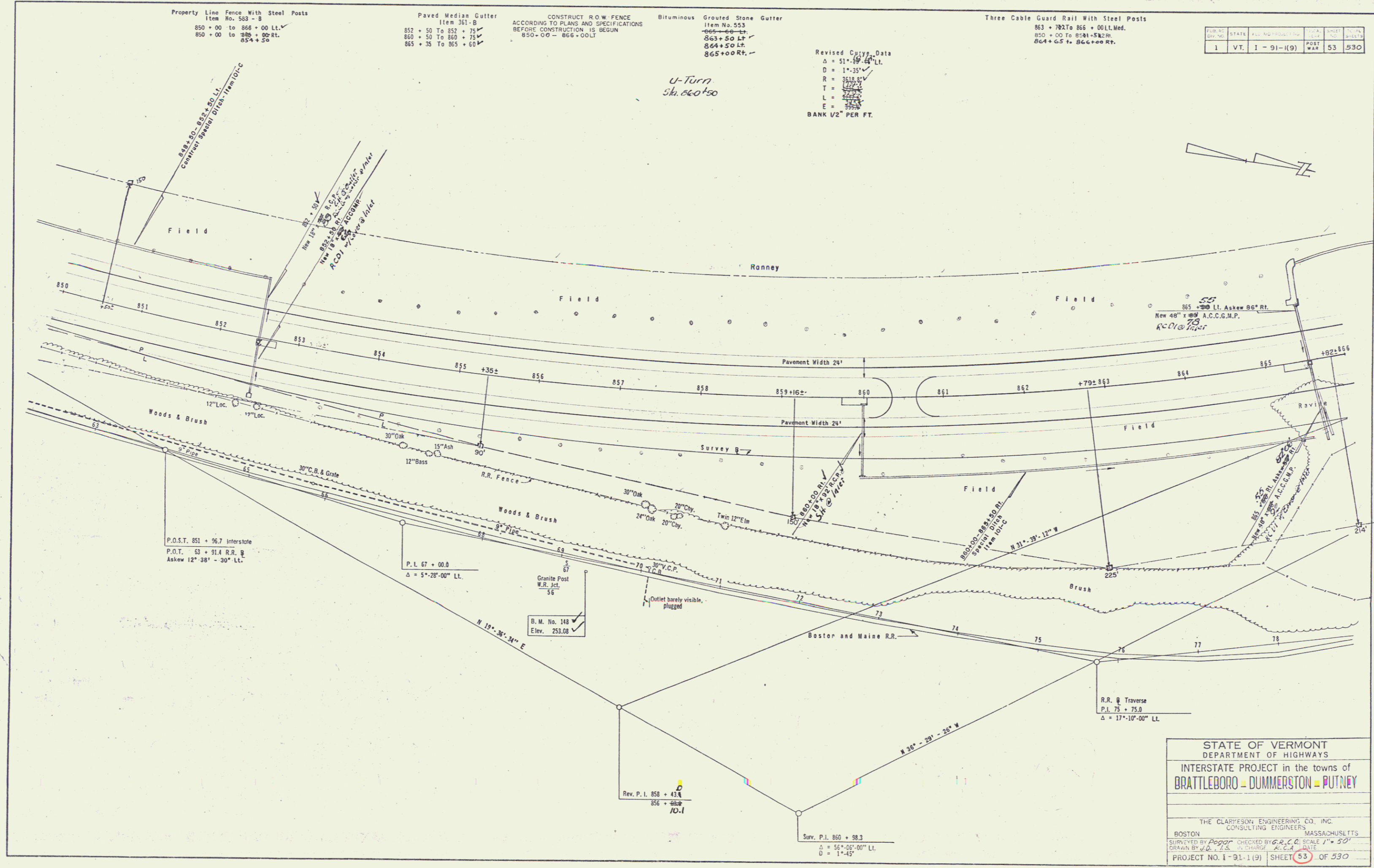
Bituminous Grouted Stone Gutter
Item No. 553
865 - 60 Lt. ✓
863 + 50 Lt. ✓
864 + 50 Lt. ✓
865 + 00 Rt. ✓

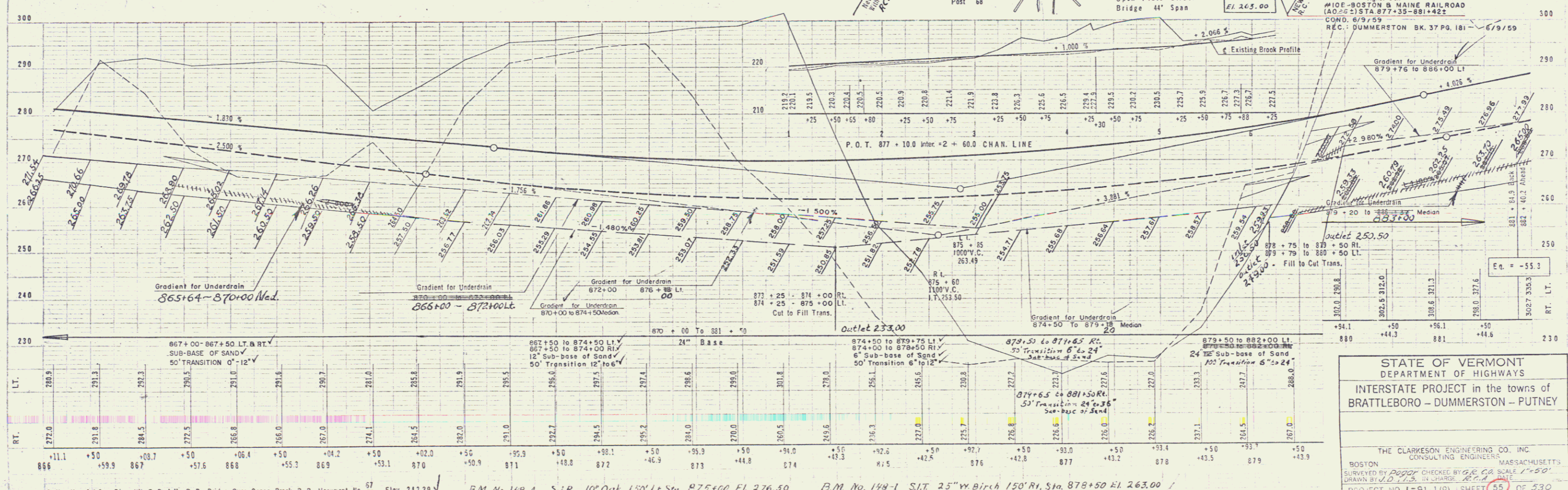
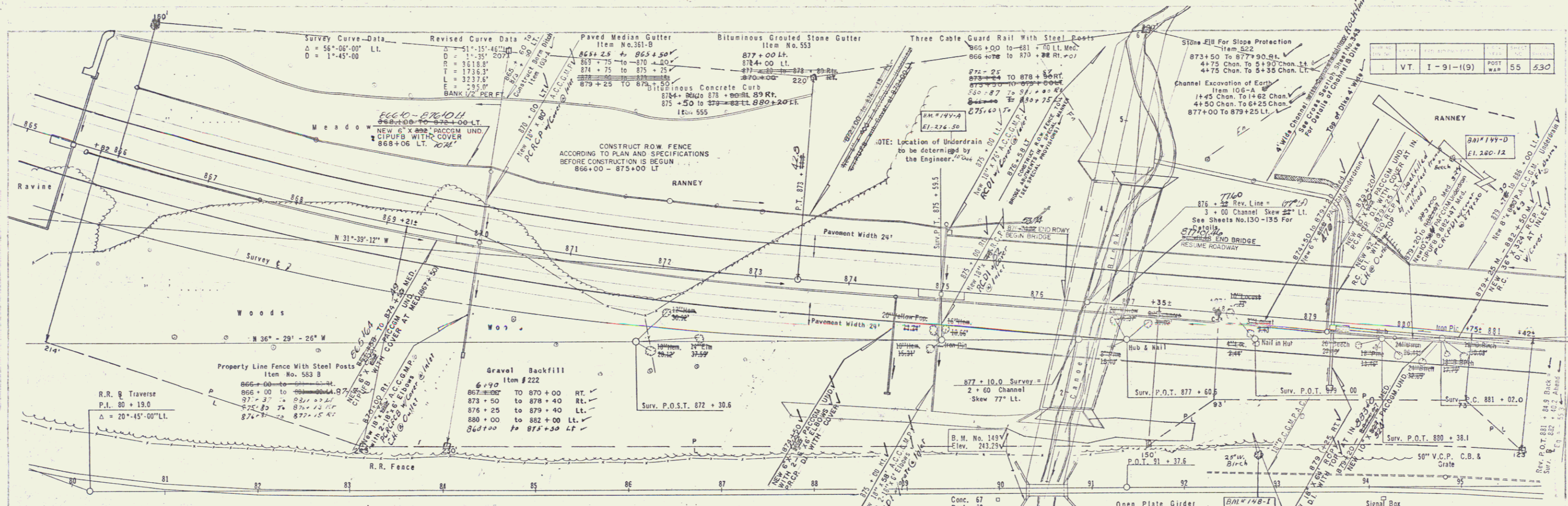
Three Cable Guard Rail With Steel Posts
863 + 75 To 866 + 00 Lt. Med.
850 + 00 To 854 + 50 Rt.
864 + 65 Lt. 866 + 00 Rt.

POST	WAR	53	530
1	VT.	1-91-(9)	

Revised Curve Data
Δ = 51°-39'-44" Lt.
D = 1°-35' ✓
R = 3516.5' ✓
T = 122.5' ✓
L = 225.0' ✓
E = 35.5' ✓
BANK 1/2" PER FT.

U-Turn
Sta. 860+50

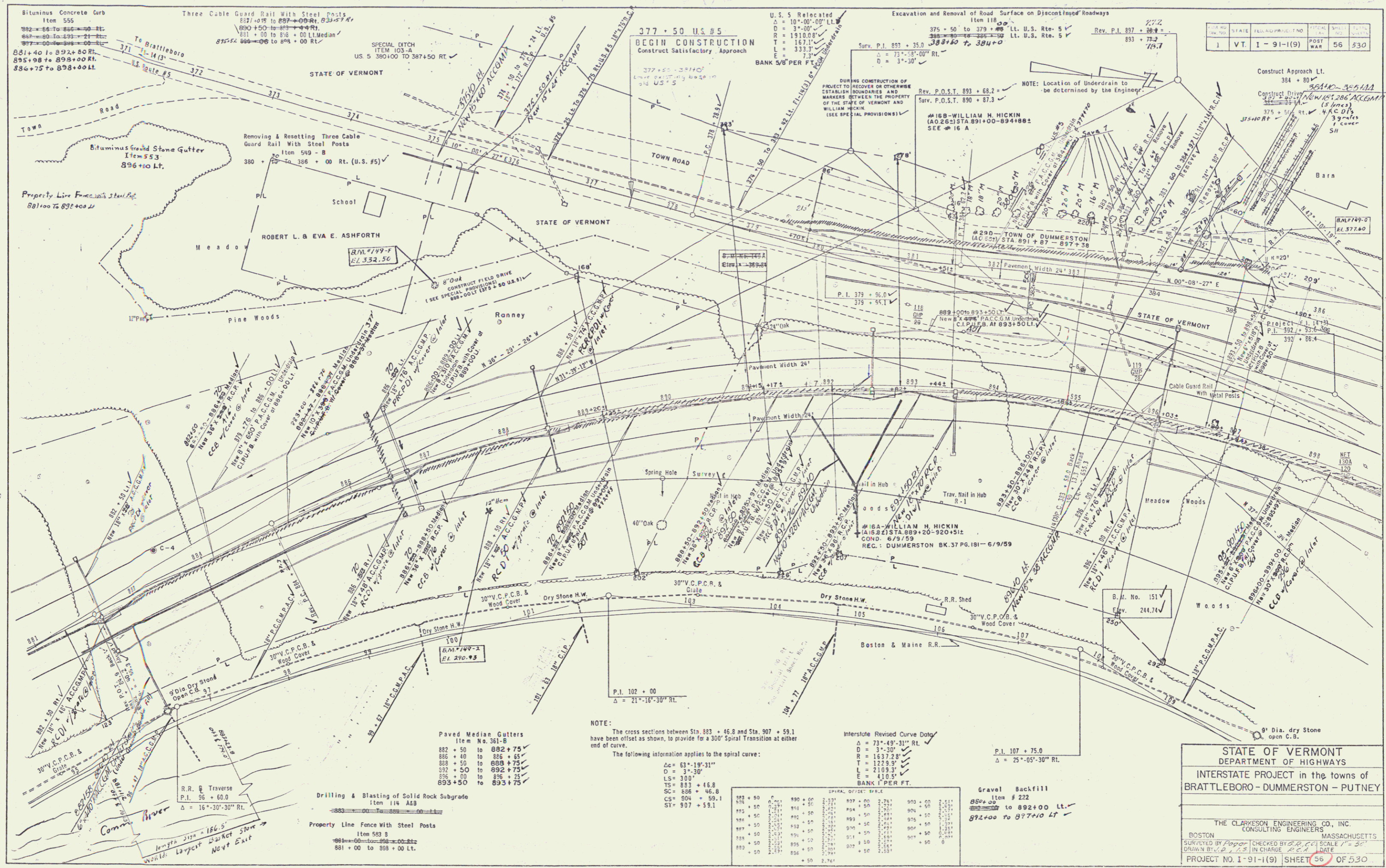




B.M. No. 149 Disc. "N. E. P. A." R.R. Bridge Over Canoe Brook R. P. Monument No. 87 Elev. 211.29
 B.M. No. 149-D S.I.R. 8" Beech 185' Lt. Sta. 880+46 El. 260.12
 B.M. No. 149 A S.I.R. 10" Oak 150' Lt. Sta. 875+00 El. 276.50
 B.M. No. 149-1 S.I.T. 25" Yr Birch 150' Ri. Sta. 878+50 El. 263.00

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 INTERSTATE PROJECT in the towns of
 BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARKESON ENGINEERING CO., INC.
 CONSULTING ENGINEERS MASSACHUSETTS
 BOSTON
 SURVEYED BY POGOP CHECKED BY G.E. CA. SCALE 1"=50'
 DRAWN BY J.D.P.S. IN CHARGE R.C.A. SCALE
 PROJECT NO. 1-91-1(9) SHEET 55 OF 530



Bituminous Concrete Curb
Item 555
882+00 to 885+00 Rt.
887+00 to 893+75 Lt.
897+00 to 898+00 Lt.

Three Cable Guard Rail With Steel Posts
887+00 to 897+00 Rt. 833+57 Lt.
890+50 to 893+75 Rt.
891+00 to 898+00 Lt. Median
895+00 to 898+00 Lt.

SPECIAL ETCH
ITEM 103-A
US 5 380+00 TO 387+50 RT.

377 + 50 U.S. 95
BEGIN CONSTRUCTION
Construct Satisfactory Approach

U.S. 5 Relocated
Δ = 10°-00'-00" Lt.
D = 3°-00'
R = 1910.00'
T = 1671.1'
L = 333.3'
E = 7.3'

Excavation and Removal of Road Surface on Discontinued Roadways
Item 118
375 + 50 to 379 + 00 Lt. U.S. Rte. 5
380 + 00 to 384 + 00 Lt. U.S. Rte. 5
384 + 00 to 384 + 00 Lt.

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
VT.	I-91-1(9)	56	530

Paved Median Gutters
Item No. 361-B
882 + 50 to 882 + 75
886 + 40 to 886 + 65
888 + 50 to 888 + 75
892 + 50 to 892 + 75
896 + 00 to 896 + 25
893 + 50 to 893 + 75

Drilling & Blasting of Solid Rock Subgrade
Item 118 A-B
883 + 00 to 883 + 00 Lt.

Property Line Fence With Steel Posts
Item 583 B
881 + 00 to 883 + 00 Lt.
881 + 00 to 883 + 00 Lt.

NOTE:
The cross sections between Sta. 883 + 46.8 and Sta. 897 + 59.1 have been offset as shown, to provide for a 300' Spiral Transition at either end of curve.
The following information applies to the spiral curve:
Δ = 63°-19'-31"
D = 3°-30'
L = 300'
TS = 883 + 46.8
SC = 884 + 46.8
CS = 884 + 59.1
ST = 897 + 59.1

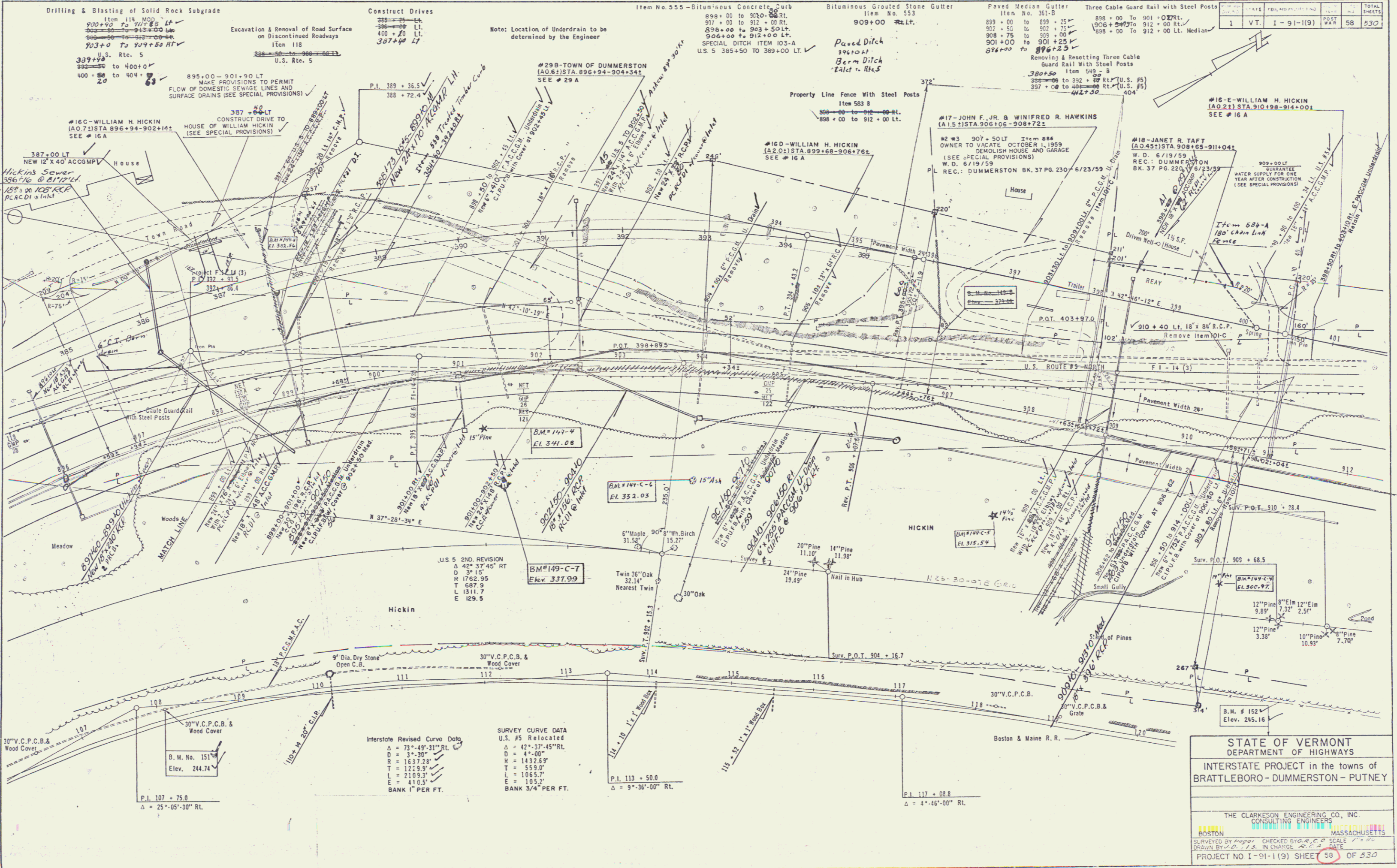
Interstate Revised Curve Data
Δ = 33°-49'-31" Rt.
D = 1637.28'
T = 1229.35'
L = 2109.35'
E = 410.55'
BANK 1' PER FT.

STATION	OFFSET	TABLE
882 + 50	0.00	0.00
882 + 50	0.50	0.00
882 + 50	1.00	0.00
882 + 50	1.50	0.00
882 + 50	2.00	0.00
882 + 50	2.50	0.00
882 + 50	3.00	0.00
882 + 50	3.50	0.00
882 + 50	4.00	0.00
882 + 50	4.50	0.00
882 + 50	5.00	0.00
882 + 50	5.50	0.00
882 + 50	6.00	0.00
882 + 50	6.50	0.00
882 + 50	7.00	0.00
882 + 50	7.50	0.00
882 + 50	8.00	0.00
882 + 50	8.50	0.00
882 + 50	9.00	0.00
882 + 50	9.50	0.00
882 + 50	10.00	0.00
882 + 50	10.50	0.00
882 + 50	11.00	0.00
882 + 50	11.50	0.00
882 + 50	12.00	0.00
882 + 50	12.50	0.00
882 + 50	13.00	0.00
882 + 50	13.50	0.00
882 + 50	14.00	0.00
882 + 50	14.50	0.00
882 + 50	15.00	0.00
882 + 50	15.50	0.00
882 + 50	16.00	0.00
882 + 50	16.50	0.00
882 + 50	17.00	0.00
882 + 50	17.50	0.00
882 + 50	18.00	0.00
882 + 50	18.50	0.00
882 + 50	19.00	0.00
882 + 50	19.50	0.00
882 + 50	20.00	0.00
882 + 50	20.50	0.00
882 + 50	21.00	0.00
882 + 50	21.50	0.00
882 + 50	22.00	0.00
882 + 50	22.50	0.00
882 + 50	23.00	0.00
882 + 50	23.50	0.00
882 + 50	24.00	0.00
882 + 50	24.50	0.00
882 + 50	25.00	0.00
882 + 50	25.50	0.00
882 + 50	26.00	0.00
882 + 50	26.50	0.00
882 + 50	27.00	0.00
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882 + 50	36.00	0.00
882 + 50	36.50	0.00
882 + 50	37.00	0.00
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882 + 50	38.00	0.00
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882 + 50	39.00	0.00
882 + 50	39.50	0.00
882 + 50	40.00	0.00
882 + 50	40.50	0.00
882 + 50	41.00	0.00
882 + 50	41.50	0.00
882 + 50	42.00	0.00
882 + 50	42.50	0.00
882 + 50	43.00	0.00
882 + 50	43.50	0.00
882 + 50	44.00	0.00
882 + 50	44.50	0.00
882 + 50	45.00	0.00
882 + 50	45.50	0.00
882 + 50	46.00	0.00
882 + 50	46.50	0.00
882 + 50	47.00	0.00
882 + 50	47.50	0.00
882 + 50	48.00	0.00
882 + 50	48.50	0.00
882 + 50	49.00	0.00
882 + 50	49.50	0.00
882 + 50	50.00	0.00

Gravel Backfill
Item # 222
882+00 to 892+00 Lt.
892+00 to 897+00 Lt.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the towns of
BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARKESON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS
SURVEYED BY [Name] CHECKED BY [Name] SCALE 1" = 50'
DRAWN BY [Name] IN CHARGE [Name] DATE [Date]
PROJECT NO. I-91-1(9) SHEET 56 OF 530



Drilling & Blasting of Solid Rock Subgrade
 Item 114 MOP
 900+00 to 913+00 LT
 903+00 to 913+00 LT
 903+00 to 913+00 LT
 U.S. Rte. 5
 337+90 to 400+00
 400+00 to 404+00

Construct Drives
 387+40 LT
 400+00 LT
 U.S. Rte. 5

Excavation & Removal of Road Surface on Discontinued Roadways
 Item 118
 388+00 to 398+00 LT
 U.S. Rte. 5

Item No. 555 - Bituminous Concrete Sub
 899+00 to 920+00 RL
 909+00 to 912+00 RL
 909+00 to 912+00 RL
 909+00 to 912+00 RL
 SPECIAL DITCH ITEM 103-A
 U.S. 5 385+50 TO 389+00 LT

Bituminous Grouted Stone Gutter
 Item No. 553
 909+00 to 912+00 RL
 Paved Ditch
 Berm Ditch
 Toler. 1/8" ±

Paved Median Gutter
 Item No. 361-B
 899+00 to 899+25
 907+50 to 907+75
 908+75 to 909+00
 901+00 to 901+25
 898+00 to 898+25
 906+00 to 901+00 RL
 908+00 to 912+00 RL
 908+00 to 912+00 Lt. Median

NO.	DATE	REVISION	TOTAL SHEETS
1	VT. I-91-1(9)	POST PLAN	58 OF 530

#16C-WILLIAM H. HICKIN
 (A.O. 21) STA. 896+94-902+14
 SEE # 16A

CONSTRUCT DRIVE TO HOUSE OF WILLIAM HICKIN (SEE SPECIAL PROVISIONS)
 387+80 LT
 895+00-901+90 LT
 MAKE PROVISIONS TO PERMIT FLOW OF DOMESTIC SEWAGE LINES AND SURFACE DRAINS (SEE SPECIAL PROVISIONS)

#298-TOWN OF DUMMERSTON
 (A.O. 61) STA. 896+94-904+34
 SEE # 29A

Property Line Fence With Steel Posts
 Item 583 B
 898+00 to 912+00 RL
 898+00 to 912+00 LT

#17-JOHN F. JR. & WINIFRED R. HAWKINS
 (A. 15) STA. 906+06-908+72
 #2 #3 907+50 LT Item 886
 OWNER TO VACATE OCTOBER 1, 1959
 DEMOLISH HOUSE AND GARAGE
 (SEE SPECIAL PROVISIONS)
 W.D. 6/19/59
 REC. DUMMERSTON BK. 37 PG. 230-6/23/59

#18-JANET R. TAFT
 (A.O. 45) STA. 908+65-911+04
 W.D. 6/19/59
 REC. DUMMERSTON BK. 37 PG. 230-6/23/59

#18-E-WILLIAM H. HICKIN
 (A.O. 21) STA. 910+98-914+00
 SEE # 16A

U.S. 5 2ND. REVISION
 Δ 42° 37' 45" RT
 D = 31.15'
 R = 1637.28'
 T = 1229.9'
 L = 2103.31'
 E = 410.5'
 BANK 1" PER FT.

BM#149-C-7
 Elev. 337.99

BM#149-C-4
 Elev. 352.05

BM#149-C-5
 Elev. 315.57

BM#149-C-6
 Elev. 300.92

BM#149-C-7
 Elev. 300.92

BM#149-C-8
 Elev. 245.16

B.M. No. 151
 Elev. 244.74

P.I. 107+75.0
 Δ = 25°-05'-30" RL

Interstate Revised Curve Data
 Δ = 73°-49'-31" RL
 D = 3'-30"
 R = 1637.28'
 T = 1229.9'
 L = 2103.31'
 E = 410.5'
 BANK 1" PER FT.

SURVEY CURVE DATA
 U.S. #5 Relocated
 Δ = 42°-37'-45" RL
 D = 4'-00"
 R = 1432.69'
 T = 559.0'
 L = 1065.7'
 E = 105.2'
 BANK 3/4" PER FT.

P.I. 113+50.0
 Δ = 9°-36'-00" RL

P.I. 117+08.8
 Δ = 4°-46'-00" RL

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the towns of
BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARKESON ENGINEERING CO., INC.
 CONSULTING ENGINEERS
 BOSTON MASSACHUSETTS

SURVEYED BY *[Signature]* CHECKED BY *[Signature]* SCALE 1" = 30'
 DRAWN BY *[Signature]* IN CHARGE *[Signature]* DATE *[Date]*

PROJECT NO I-91-1(9) SHEET 58 OF 530

Paved Median Gutter
Item 361 - 8
912 + 75 to 913 + 00
913 + 00 to 914 + 00
920 + 35 to 921 + 18
923 + 25 to 923 + 50
926 + 25 to 926 + 50
915 + 75 to 916 + 00

Three Cable Guard Rail With Steel Posts
912 + 00 To 928 + 00 Rt.
920 + 04 to 921 + 04 Lt.
912 + 00 To 928 + 00 Lt. Median

U.S. #5 Relocation
 $\Delta = 104.30' - 00" \text{ Lt. V.}$
 $D = 21.00'$
 $R = 2864.33'$
 $T = 26.33'$
 $L = 525.0'$
 $E = 12.1'$
BANK 7/16 PER FT.

Interstate Revised Curve Data
 $\Delta = 27.17' - 14" \text{ Rt.}$
 $D = 09.10'$
 $R = 27.918.3'$
 $T = 45.73'$
 $L = 914.3'$
 $E = 4.5'$
BANK 1/4 PER FT.

Removing & Reinstalling Three Cable
Guard Rail With Steel Posts.
Item 567.5 - 6.0
401 + 00 To 472.5 + 6.0 (U.S. #5)

Bituminous Concrete Curb
Item 555
912 + 00 To 928 + 00 Rt.
912 + 00 To 928 + 00 Lt.

Demolition & Removal of Building
919 + 25 Lt.
920 + 30 Lt.
918 + 75 Lt.
917 + 80 Lt.
Gravel Backfill
Item # 222
922 + to 928 + 00 Lt.

PUR. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT.	I-91-1(9)	WAR	60	530

DRILLING AND BLASTING OF SOLID ROCK SUBGRADE
ITEM NO. 114 MOD.
923 + 50 - 927 + 50 Lt.
921 + 75 - 923 + 50 Rt.
924 + 55 - 926 + 75 Rt.

NOTE: Location of Underdrain to be determined by the Engineer.

Bituminous Grouted Stone Gutter
#19 DEAN D. & CHARLENA P. KNEELAND
(A-1.351) STA 916+61 - 921+08
W.D. 6/19/59
REC.: DUMMERSTON BK. 37 PG. 216 - 6/23/59

OWNER TO VACATE HOUSE OCT. 1959
DEMOLISH
(SEE SPECIAL PROVISIONS)

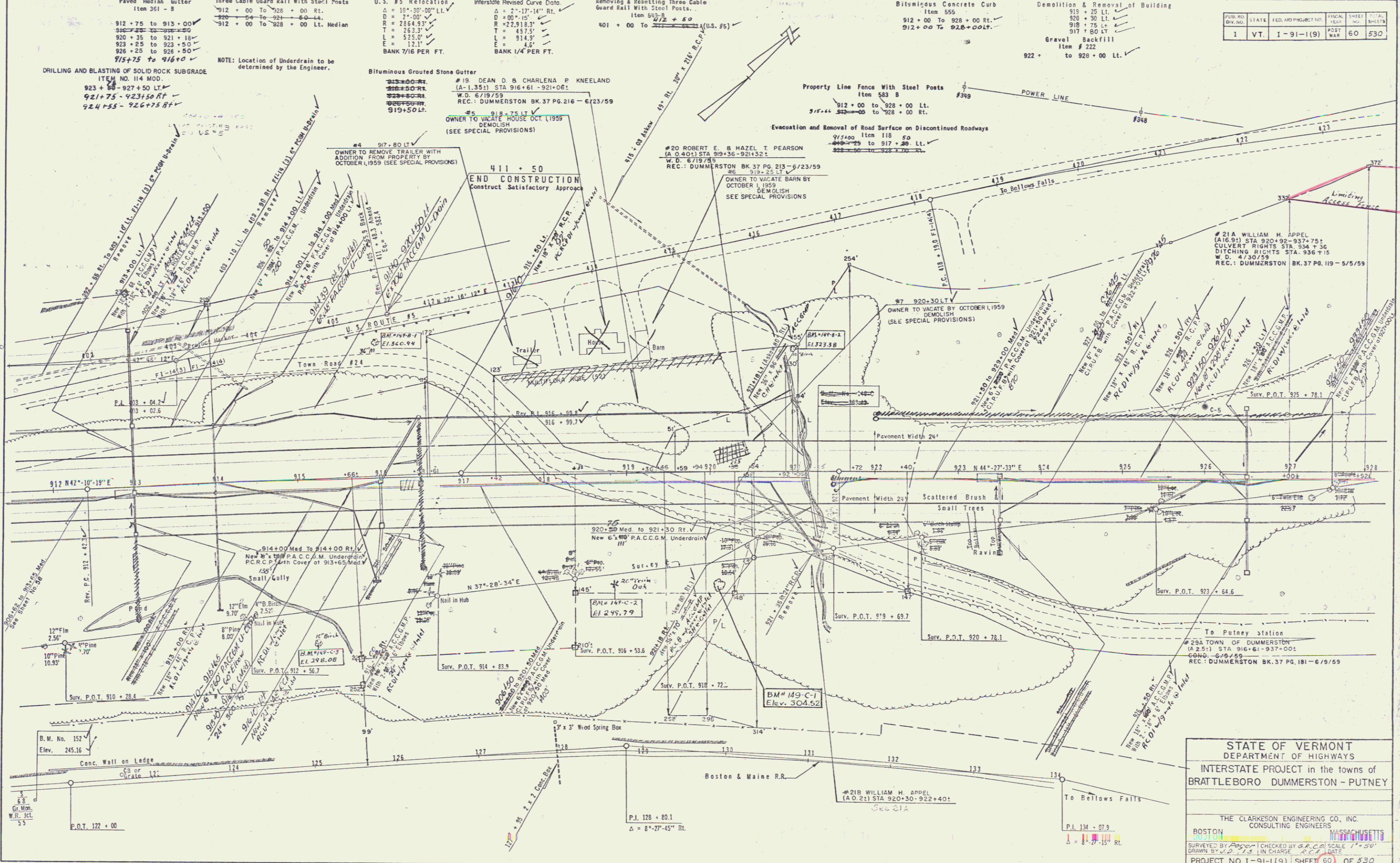
Property Line Fence With Steel Posts
Item 583 B
912 + 00 to 928 + 00 Lt.
916 + 00 to 917 + 20 Lt.

Evacuation and Removal of Road Surface on Discontinued Roadways
915+00 Item 118 50
916+00 to 917 + 20 Lt.
928 + 50 to 928 + 70 Lt.

#20 ROBERT E. & HAZEL T. PEARSON
(A-0.401) STA 919+36 - 921+52
W.D. 6/19/59
REC.: DUMMERSTON BK. 37 PG. 215 - 6/23/59

OWNER TO VACATE BARN BY OCTOBER 1, 1959
DEMOLISH
SEE SPECIAL PROVISIONS

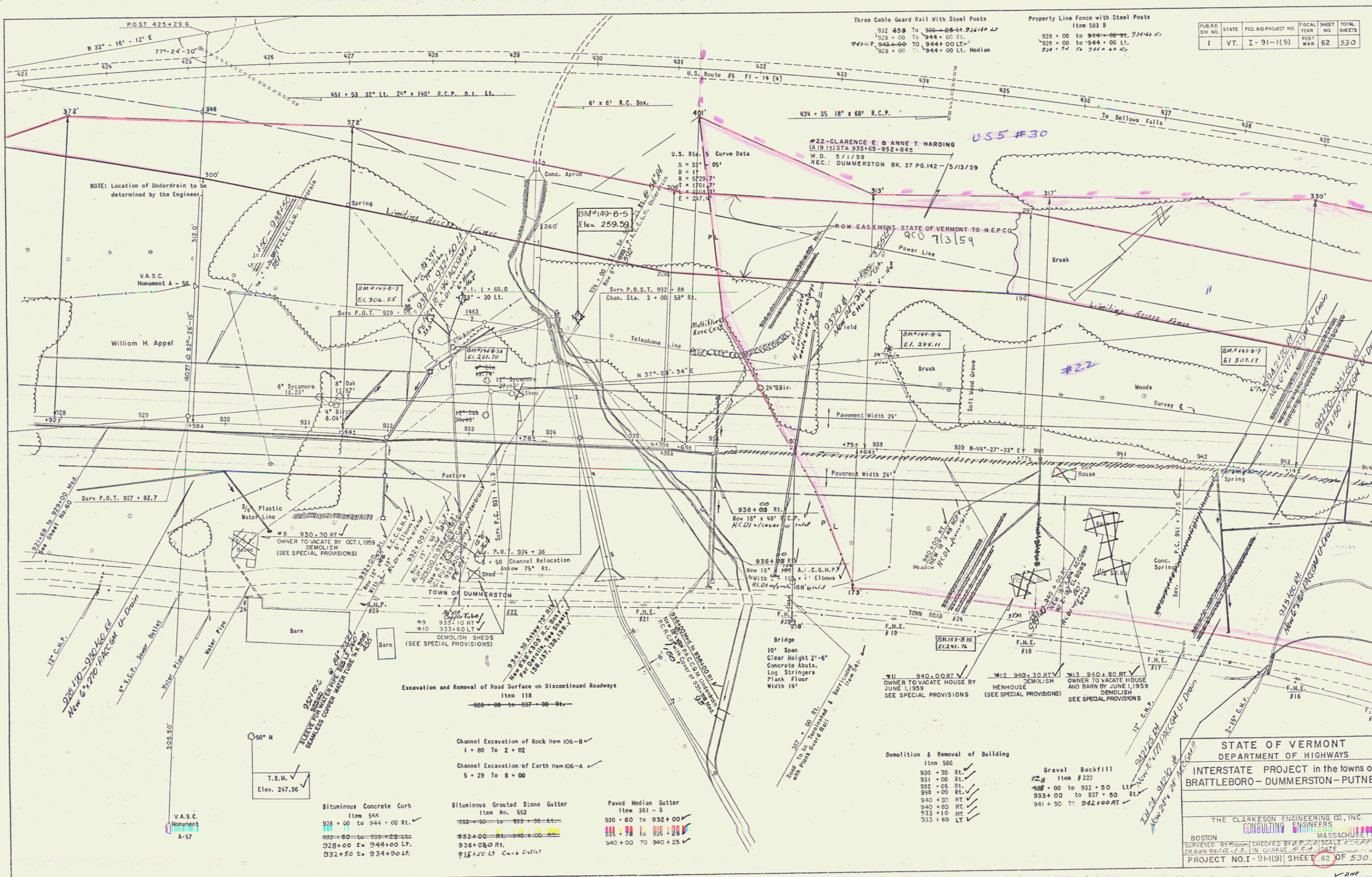
#21A WILLIAM H. APPEL
(A16.91) STA 920+92 - 937+75
CULVERT RIGHTS STA. 534 + 36
DITCHING RIGHTS STA. 936 + 15
W.D. 4/30/59
REC.: DUMMERSTON BK. 37 PG. 119 - 5/5/59



STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the towns of
BRATTLEBORO DUMMERSTON - PUTNEY

THE CLARKSON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS

PROJECT NO. I-91-1(9) SHEET 60 OF 530



PUB. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
I	VT.	I-91-1(5)	WAR	62	530

Three Cable Guard Rail With Steel Posts
 932 + 00 To 936 + 00 Lt. 22' x 14' 0" Lt.
 936 + 00 To 944 + 00 Lt.
 944 + 00 To 944 + 00 Lt. Median
 928 + 00 To 944 + 00 Lt.

Property Line Fence with Steel Posts
 Item 583 B
 928 + 00 to 944 + 00 Lt. 22' x 14' 0" Lt.
 928 + 00 to 944 + 00 Lt.
 944 + 00 to 944 + 00 Lt.

NOTE: Location of Underdrain to be determined by the Engineer

Excavation and Removal of Road Surface on Discontinued Roadways
 Item 118
 920 + 00 to 927 + 00 Rt.

Channel Excavation of Rock Item 106-B
 1 + 80 To 2 + 02

Channel Excavation of Earth Item 106-A
 5 + 29 To 8 + 00

Bituminous Concrete Curb
 Item 55c
 928 + 00 to 944 + 00 Rt.

932 + 00 to 939 + 20 Lt.

932 + 00 to 944 + 00 Lt.

932 + 50 to 934 + 00 Lt.

Bituminous Grouted Stone Gutter
 Item No. 553
 932 + 00 to 939 + 20 Lt.

932 + 00 Rt. 934 + 00 Lt.

936 + 00 Rt.

936 + 00 Lt. Curb Outlet

Paved Median Gutter
 Item 361 - B
 930 + 60 to 932 + 00 Rt.

936 + 00 to 936 + 20 Rt.

940 + 00 to 940 + 25 Lt.

Demolition & Removal of Building
 Item 586
 930 + 30 Rt.

931 + 00 Rt.

932 + 05 Rt.

940 + 00 Rt.

940 + 30 Rt.

940 + 50 Rt.

933 + 10 Rt.

935 + 60 Lt.

Gravel Backfill
 Item 222
 948 + 00 to 932 + 50 Lt.

933 + 00 to 937 + 50 Rt.

941 + 50 to 942 + 00 Rt.

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 INTERSTATE PROJECT in the towns of
 BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLARKSON ENGINEERING CO., INC.
 CONSULTING ENGINEERS
 BOSTON MASSACHUSETTS
 SURVEYED BY [] CHECKED BY [] SCALE []
 DRAWN BY [] IN CHARGE [] DATE []
 PROJECT NO. I-91(9) SHEET 62 OF 530

Property Line Fence With Steel Posts
Item 583 - B
944 + 00 To 958 + 00 Rt.
944 + 00 To 953 + 63 Lt.
954 + 00 To 958 + 00 Lt.

Bituminous Concrete Curb
Item 21
944 + 00 To 950 + 80 Rt.
944 + 00 To 953 + 63 Lt.
954 + 00 To 958 + 00 Lt.

Paved Median Gutter
Item No. 351-B
944 + 50 To 948 + 75
949 + 00 To 949 + 25
955 + 75 To 956 + 00

Bituminous Grouted Stone Gutter
Item No. 553
952 + 00 To 952 + 00
952 + 00 To 952 + 00
952 + 00 To 952 + 00

Construct Special Ditch
Item No. 101-A
943 + 00 To 948 + 50 Rt.

Construct Drives
L₁
954 + 80
L₂
954 + 82

PUB. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT	I-91-1(9)	POST WAR	64	530

Note: Location of Underdrain to be determined by the Engineer.

Gravel Backfill
Item #222
942 + 00 To 948 + 25 Rt.
950 + 00 Lt. To 12 + 18 Rt. Ramp A

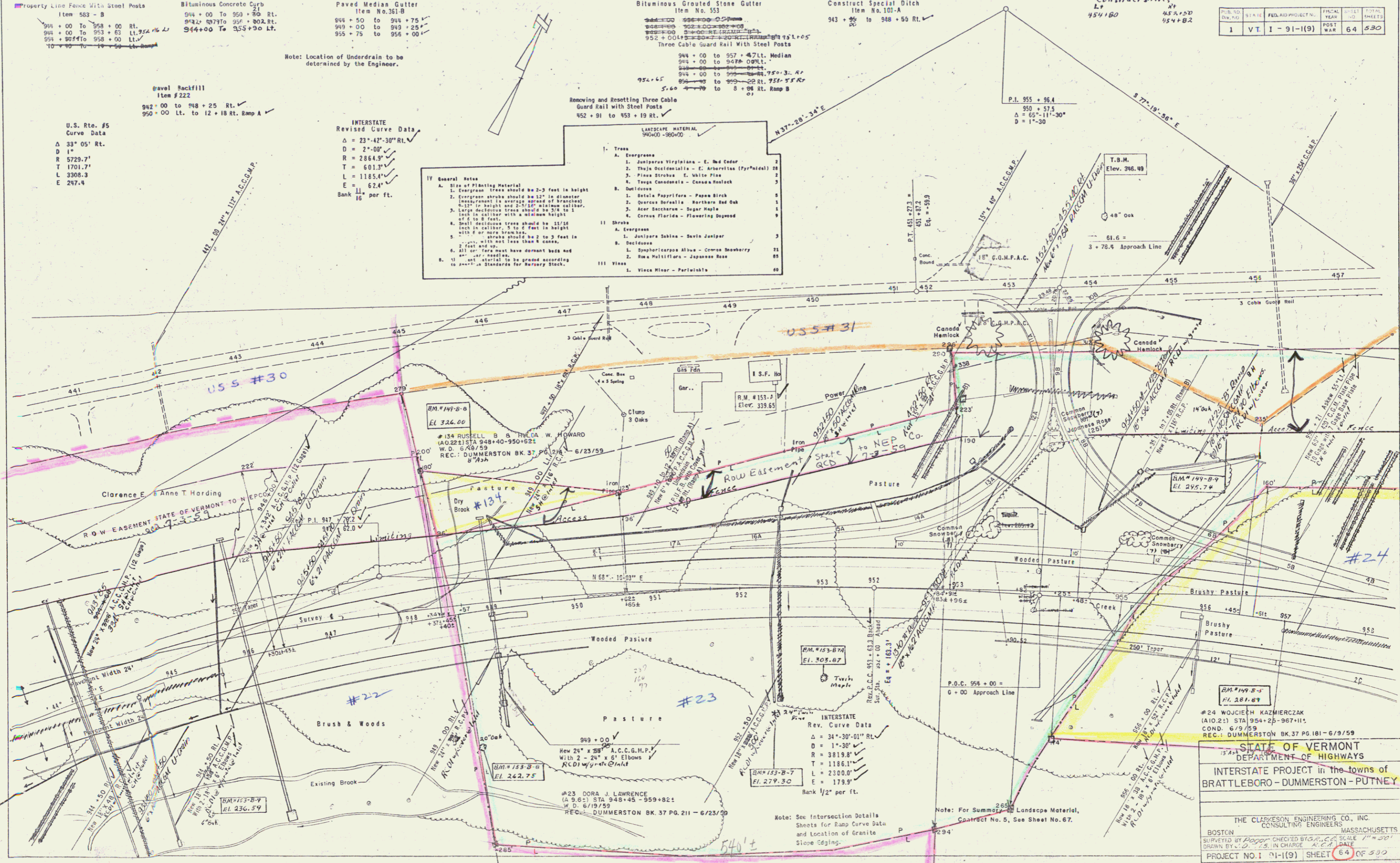
U.S. Rte. #5
Curve Data
Δ = 33° 05' Rt.
D = 1"
R = 5729.7'
T = 1701.7'
L = 3305.3
E = 297.4

INTERSTATE
Revised Curve Data
Δ = 23° 42' 30" Rt.
D = 2' 00"
R = 2864.9'
T = 601.3'
L = 1185.4'
E = 62.4'
Bank 16 per ft.

Removing and Resetting Three Cable
Guard Rail with Steel Posts
452 + 91 To 453 + 19 Rt.

- LANDSCAPE MATERIAL
94000-96000
- I. Trees
 - A. Evergreens
 1. Juniperus Virginiana - E. Red Cedar
 2. Thuja Occidentalis - E. Arborvitae (Pyramidal)
 3. Picea Strobus - E. White Pine
 4. Taxus Canadensis - Canada Hemlock
 - B. Deciduous
 1. Betula Papyrifera - Paper Birch
 2. Quercus Borealis - Northern Red Oak
 3. Acer Saccharum - Sugar Maple
 4. Cornus Florida - Flowering Dogwood
 - II Shrubs
 - A. Evergreen
 1. Juniperus Sabina - Savin Juniper
 - B. Deciduous
 1. Symplocarpus Alba - Common Snowberry
 2. Rosa Multiflora - Japanese Rose
 - III Vines
 1. Vicia Mitor - Parthenoclimber

- IV General Notes
- A. Size of planting material
 1. Evergreen trees should be 2-3 feet in height
 2. Evergreen shrubs should be 12" to 18" in diameter (except for large spread of branches)
 3. Large deciduous trees should be 3/4 to 1 inch in caliper with a minimum height of 6 to 8 feet
 4. Small deciduous trees should be 1 1/2 to 2 feet in caliper, 3 to 4 feet in height with 4 or more branches
 5. All trees must have dormant buds not yet opening
 6. All soil material to be graded according to project standards for Nursery Stock.



STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the towns of
BRATTLEBORO - DUMMERSTON - PUTNEY

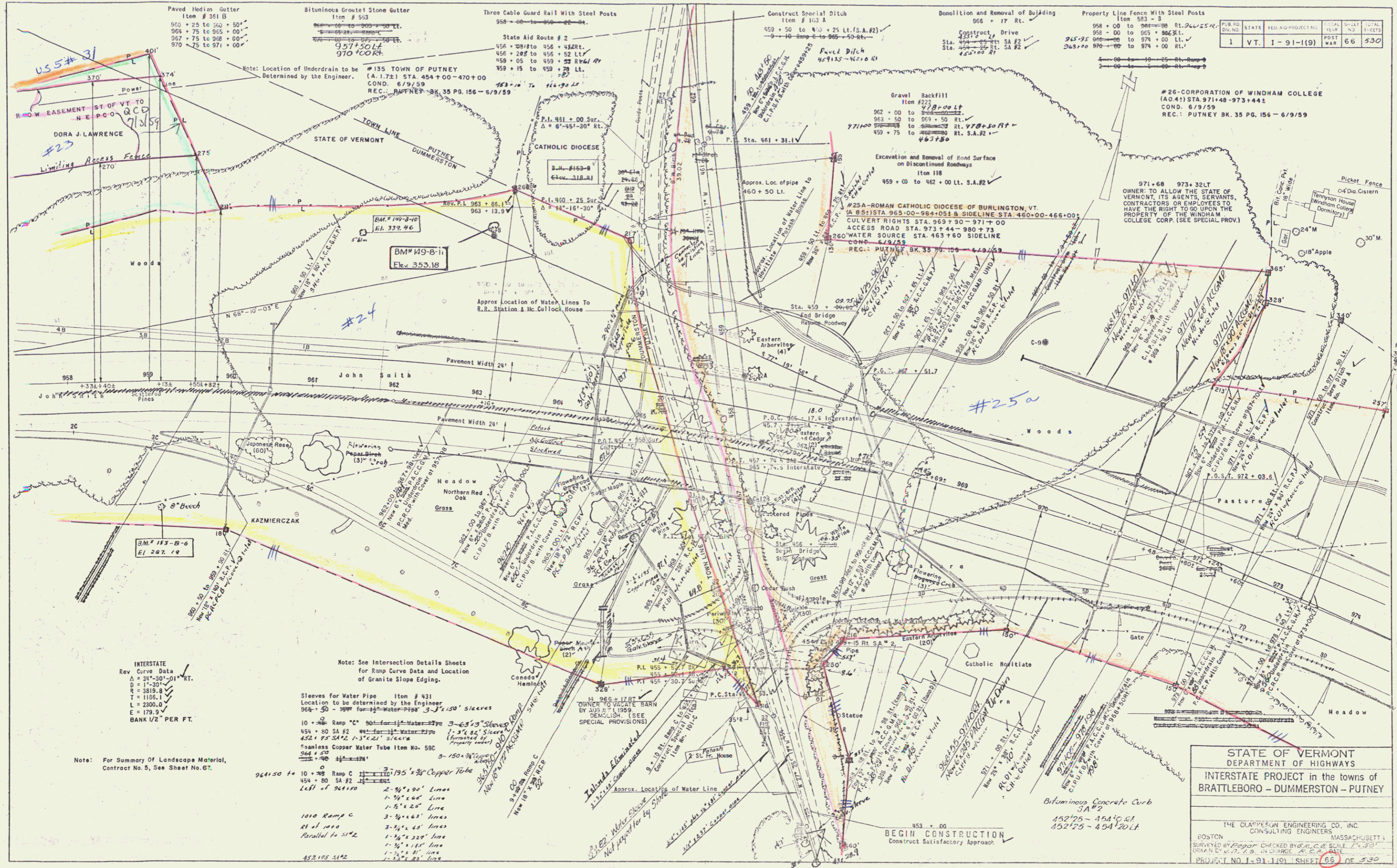
THE CLARKESON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS

PROJECT NO. 91-1(9) SHEET 64 OF 530

Note: See Intersection Details
Sheets for Ramp Curve Data
and Location of Granite
Slope Edging.

Note: For Summary of Landscape Material,
Contract No. 5, See Sheet No. 67.

#22
310 to North line T-24
952+54 / 605'
23



Paved Median Gutter
Item # 581 B
950 + 25 to 950 + 50'
955 + 75 to 955 + 00'
962 + 75 to 962 + 00'
970 + 75 to 971 + 00'

Bituminous Grout Stone Gutter
Item # 553
957 + 50 to 957 + 00'
970 + 00 to 970 + 00'

Three Cable Guard Rail With Steel Posts
Item # 163 A
958 + 00 to 958 + 00'

Construct Special Ditch
Item # 163 A
959 + 50 to 960 + 25 Lt. (S.A.#2)
960 + 25 to 960 + 50 Rt.

Demolition and Removal of Building
Item # 163 A
966 + 17 Rt.

Property Line Fence With Steel Posts
Item # 583 - B
958 + 00 to 968 + 00 Rt. (S.A.#2)
968 + 00 to 968 + 00 Lt.
968 + 00 to 974 + 00 Lt.
968 + 00 to 974 + 00 Rt.

PUB. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT.	I-91-1(9)		66	530

US 5# 31
ROW EASEMENT ST. OF VT TO N.E. P.C.O. Q.C.D.
DORA J. LAWRENCE
Limiting Access Fence

Note: Location of Underdrain to be Determined by the Engineer.
#135 TOWN OF PUTNEY
(A.1.72) STA. 454+00-470+00
COND. 6/9/59
REC.: PUTNEY BK. 35 PG. 156-6/9/59

CATHOLIC DIOCESE
B.M. #163-B
Elev. 318.41

B.M. #19-B-1
Elev. 353.18

B.M. #13-B-6
Elev. 247.14

INTERSTATE
Rev Curve Data
Δ = 31°-20'-01" RT.
D = 17'-30"
R = 3819.8'
T = 1106.1'
L = 2300.4'
E = 179.9'
BANK 1/2" PER FT.

Note: For Summary Of Landscape Material, Contract No. 5, See Sheet No. 67.

Note: See Intersection Details Sheets for Ramp Curve Data and Location of Granite Slope Edging.

Sleeves for Water Pipe Item # 431
Location to be determined by the Engineer
964 + 50 - 964 + 50 for 12" Water Pipe 3'-3" x 150' sleeves

10 + 00 Ramp C 90' for 12" Water Pipe 3'-6" x 150' sleeves
454 + 80 SA #2 44' for 12" Water Pipe 1'-3" x 82' sleeves
452 + 75 SA #2 1'-3" x 82' sleeves (formed by property owner)
Stainless Copper Water Tube Item No. 59C
964 + 50 3'-150' x 3/4"

10 + 00 Ramp C
454 + 80 SA #2
Left of 964+50
2'-8" x 190' Lines
1'-6" x 225' Lines
3'-1/2" x 225' Lines
1'-1/2" x 225' Lines
1'-1/2" x 185' Lines
1'-1/2" x 81' Lines
1'-1/2" x 81' Lines

1010 Ramp C
at 1010
Parallel to 31°E
452+75 31°E
452+75 31°E

BEGIN CONSTRUCTION
Construct Satisfactory Approach

Bituminous Concrete Curb
SA #9
452+25 - 454+00
452+25 - 454+00 Lt.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT IN THE TOWNS OF
BRATTLEBORO - DUMMERSTON - PUTNEY

THE CLAPPESON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS
SURVEYED BY PAPER CHECKED BY C.C.E. SCALE 1" = 40'
DRAWN BY W.D. IN CHARGE A.E. DATE
PROJECT NO. I-91-1(9) SHEET 66 OF 530

POOR ORIGINAL COPY

I-91 SOUTHBOUND

I-91 NORTHBOUND

VERMONT

INTERSTA

RAMP

PRELIMINARY

EXISTING BLDG.

EXISTING BLDG.

PROPOSED PUMPING STATION SITE, ORANGE BRICKS, AND OWNED BY VT. HIGHWAY DEPT.

OLD FERRY ST.
Putney State Highway

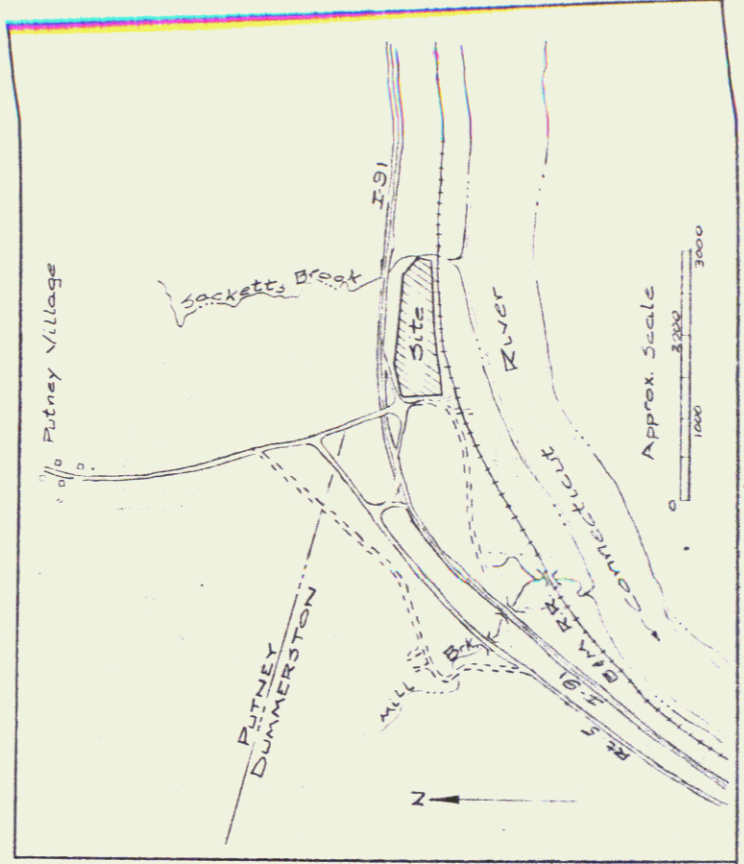
SSAL

SCALE 1"=50'

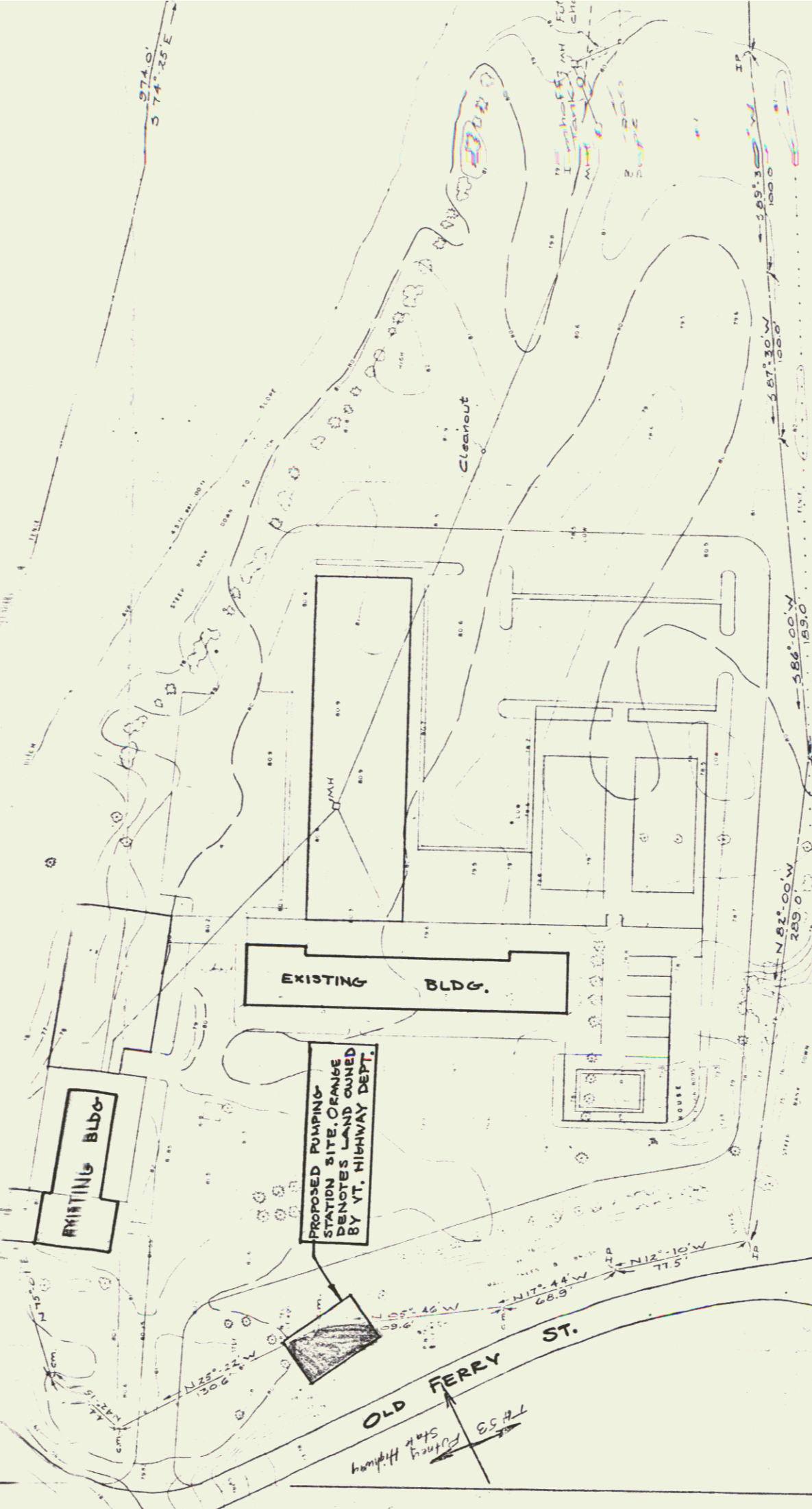
DORRANCE-RENNY
Engineering Corporation

66 A

25

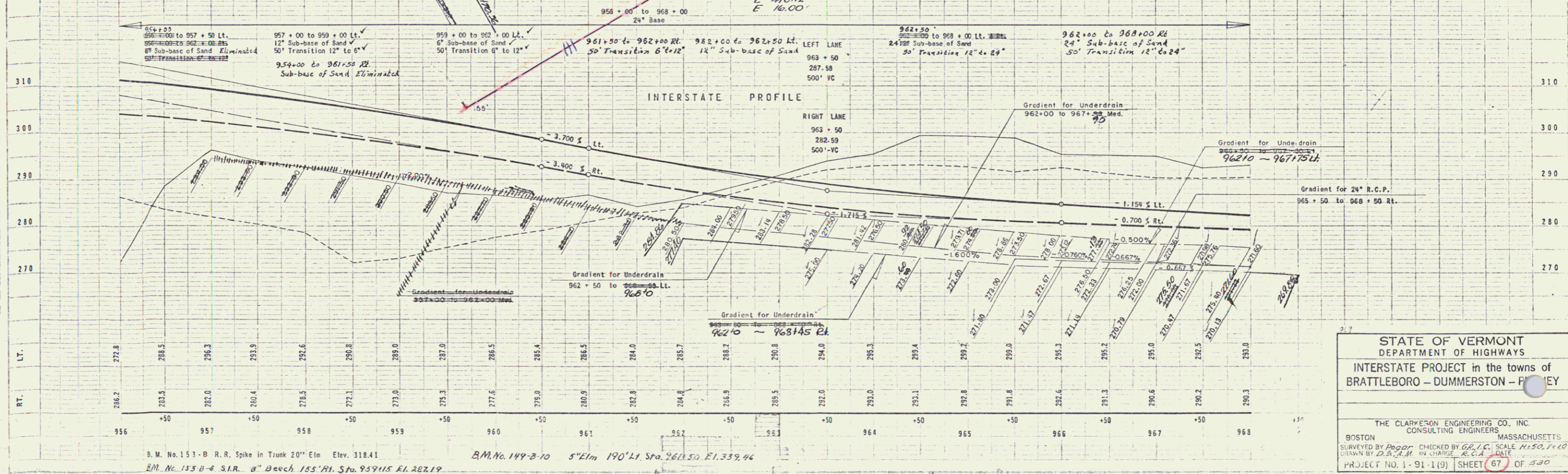
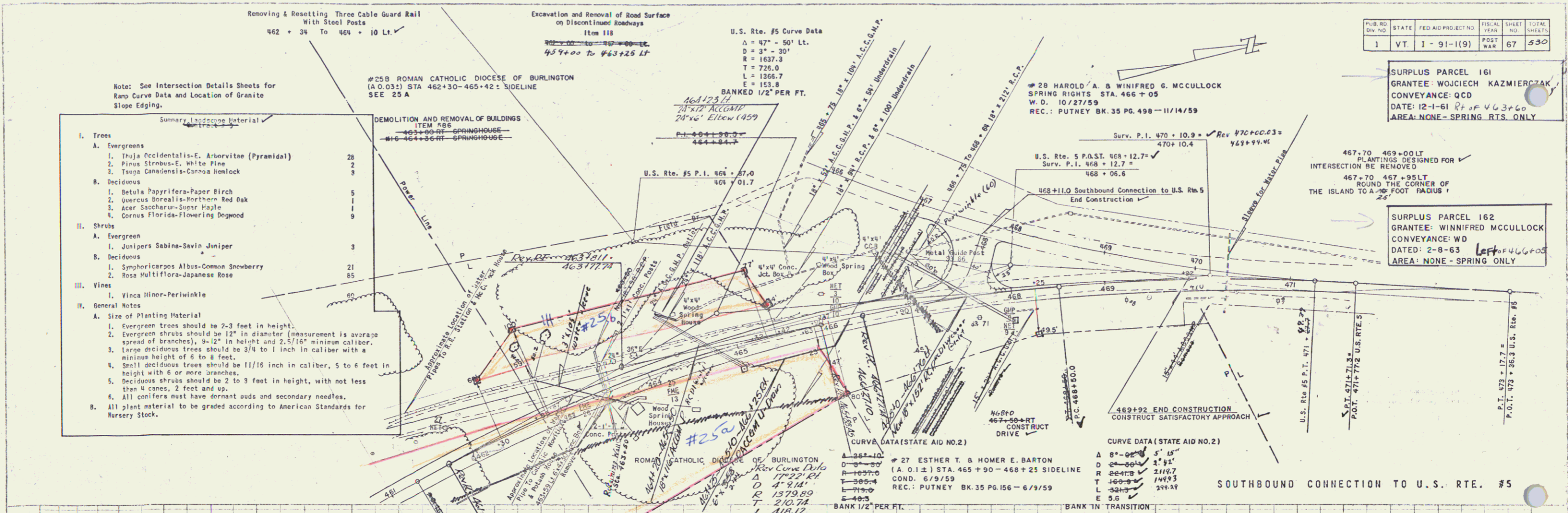


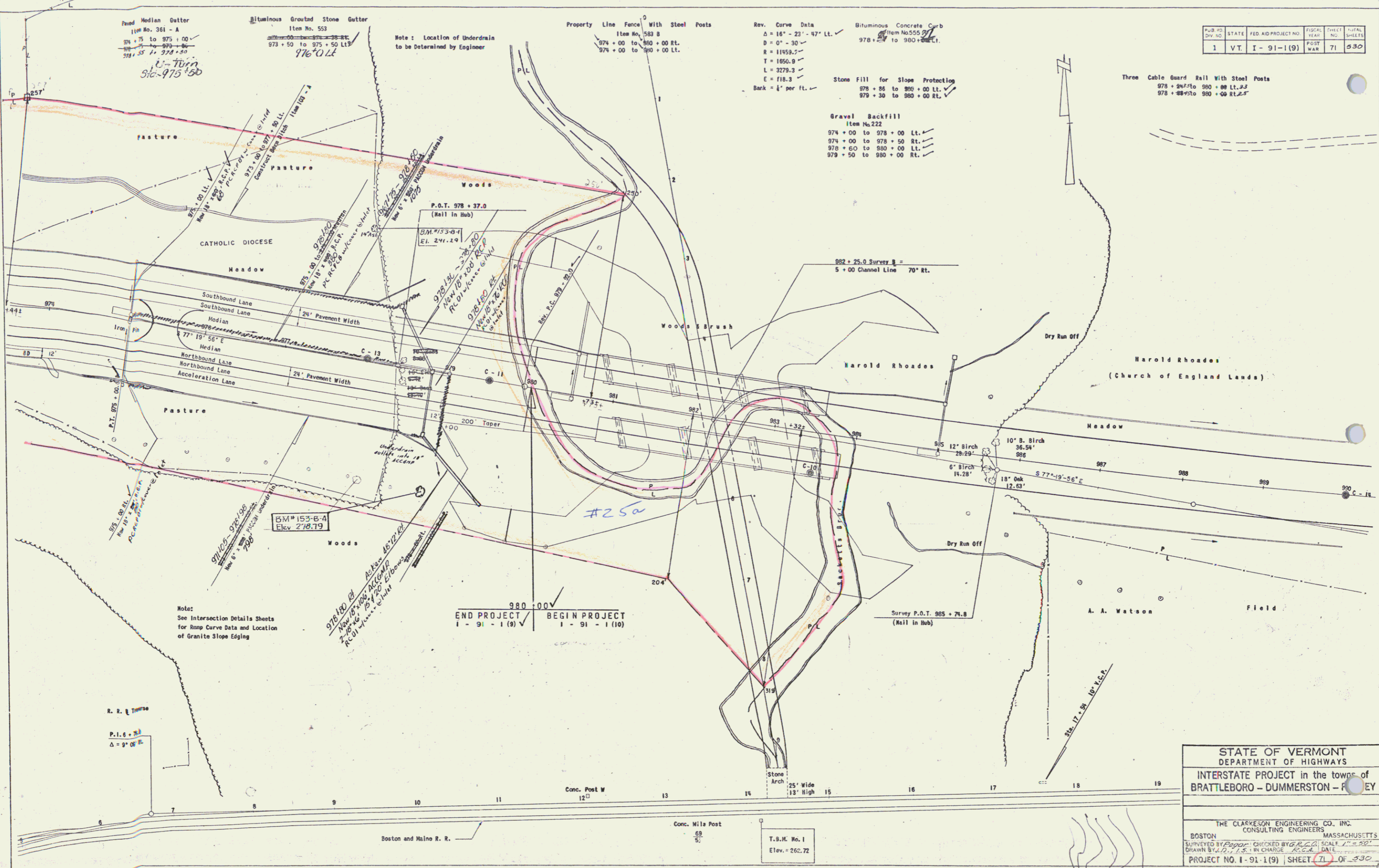
LOCATION MAP



PUB. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT.	1-91-1(9)	WAR	67	530

- Note: See Intersection Details Sheets for Ramp Curve Data and Location of Granite Slope Edging.
- Summary Landscape Material
- I. Trees
 - A. Evergreens
 - 1. Thuja Occidentalis-E. Arborescens (Pyramidal) 28
 - 2. Pinus Strobus-E. White Pine 2
 - 3. Tsuga Canadensis-Canada Hemlock 3
 - B. Deciduous
 - 1. Betula Papyrifera-Paper Birch 5
 - 2. Quercus Borrealis-Northern Red Oak 1
 - 3. Acer Saccharum-Sugar Maple 1
 - 4. Cornus Florida-Flowering Dogwood 1
 - II. Shrubs
 - A. Evergreen
 - 1. Junipers Sabina-Savin Juniper 3
 - B. Deciduous
 - 1. Symphoricarpos Albus-Common Snowberry 21
 - 2. Rosa Multiflora-Japanese Rose 65
 - III. Vines
 - 1. Vinca Minor-Periwinkle 1
 - IV. General Notes
 - A. Size of Planting Material
 - 1. Evergreen trees should be 2-3 feet in height.
 - 2. Evergreen shrubs should be 12" in diameter (measurement is average spread of branches), 9-12" in height and 2.5/16" minimum caliper.
 - 3. Large deciduous trees should be 3/4 to 1 inch in caliper with a minimum height of 6 to 8 feet.
 - 4. Small deciduous trees should be 1 1/16 inch in caliper, 5 to 6 feet in height with 8 or more branches.
 - 5. Deciduous shrubs should be 2 to 3 feet in height, with not less than 4 canes, 2 feet and up.
 - 6. All conifers must have dormant buds and secondary needles.
 - B. All plant material to be graded according to American Standards for Nursery Stock.





PUB. NO.	STATE	FED. AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT.	I-91-1(9)		71	330

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the towns of
BRATTLEBORO - DUMMERSTON - FOLEY

THE CLARKSON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS

SURVEYED BY B. J. ... CHECKED BY G. L. ... SCALE 1" = 50'
DRAWN BY J. J. ... IN CHARGE ... DATE ...

PROJECT NO. I-91-1(9) SHEET 71 OF 330