

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

INTERSTATE PROJECT IN THE TOWNS OF  
**MIDDLESEX - WATERBURY**

COUNTY OF WASHINGTON  
CONTRACT NO. 1

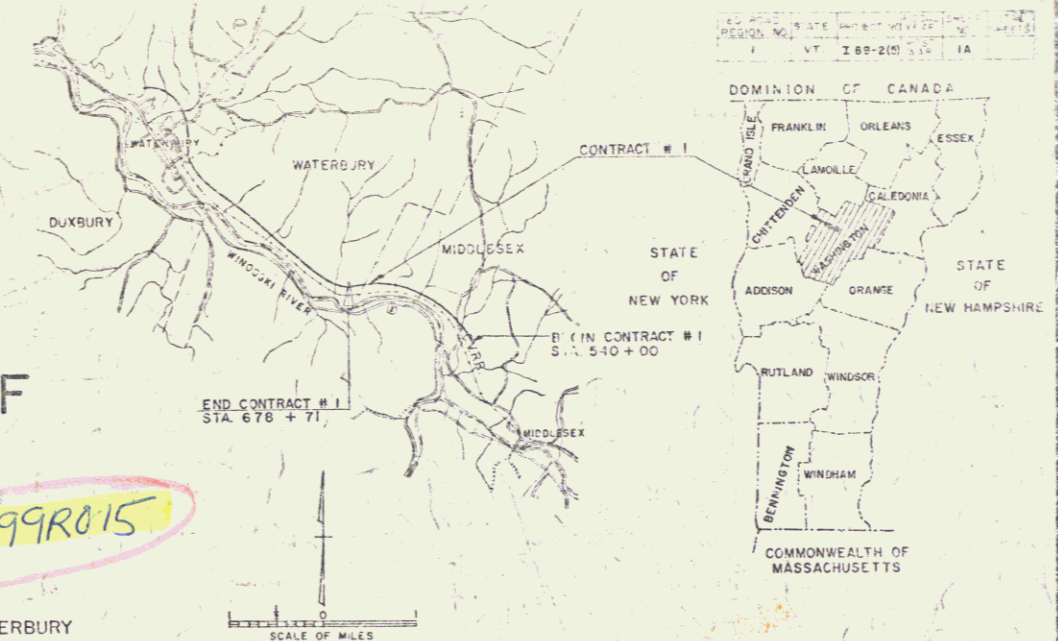
*Interstate 89* PROJECT NO. 1-89-2(5)

BEGINNING APPROXIMATELY 1.791 MILES SOUTHERLY OF THE MIDDLESEX-WATERBURY TOWN LINE AND EXTENDING NORTHERLY AND NORTHWESTERLY 2.627 MILES.  
LENGTH OF ROADWAY - 13,868.60 FEET = 2.627 MILES  
LENGTH OF CONTRACT - 13,868.60 FEET = 2.627 MILES

DESIGN DESIGNATION

A.D.T. (1958)	= 3,980
A.D.T. (1975)	= 8,000
D.H.V.	= 1,270
D	= 39%
T	= 6.5% M
V	= 70 M.P.H.

- = LIMITED ACCESS PURCHASE
- = NON LIMITED ACCESS PURCHASE
- = AS BUILT R.O.W. FENCE



- 7 PLANK
- 8 ITEM DETAIL & DRAINAGE SHEETS

- 22-24 CURB
- 25-27 PLAN & PROFILE
- 28-29 BLANK
- 30 TRAFFIC SIGN LOCATION PLAN
- 31 SUMMARY TRAFFIC SIGNS & GENERAL NOTES
- 32 BANKING TABLES
- 33 D-1 R.C. DROP INLET
- 34 E-1 P.C. P.C.P. D.I.
- 35 D-2 SPECIAL ACCOMP. ELBOW, FLUSHING BASINS
- 36 D-3 CUTTERS
- 37 J-1 PROJECT & BOUNDARY MARKERS
- 38 D-2 DRAINAGE
- 39 B-5 TYPICAL SLOPE GRADING
- 40 A-F1 DRILLING & BLASTING
- 41 G-3 THREE CABLE GUARD RAIL
- 42 B-6 MUCK EXCAVATION
- 43 B-10 EMBANKMENT OF A SLOPE
- 44 C-3 PLANK GUARD RAIL MARKER POSTS
- 45 DETAIL OF U-TURN-B17
- 46 E-1 PATRIOTIC SIGNS & LIGHTS
- 47 E-2 REGULATORY SIGNS

PROJECT NAME & NUMBER	TYPE	PAV'T AREA
MIDDLESEX-1-89-2(5)	3" BITUMINOUS	73,979 sq.
WATERBURY Contract 1	CONC. PAVEMENT	

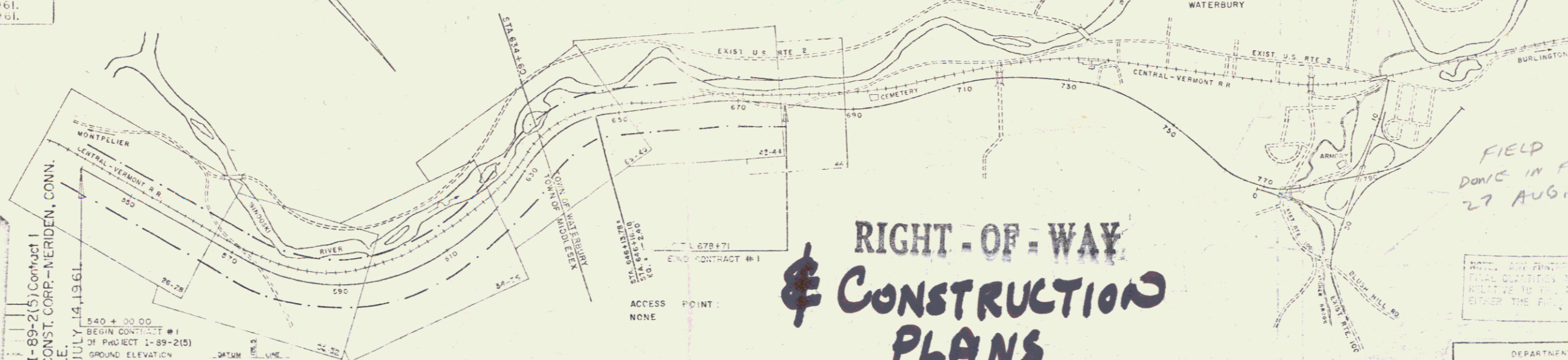
RECORD PLANS

MATERIALS

SUBBASE OF GRAVEL - ROBY PIT - WATERBURY, VERMONT.  
SUBBASE OF SAND - MIDDLESEX PIT - MIDDLESEX, VERMONT.  
SUBBASE OF CRUSHED ROCK - FULLER QUARRY - BOLTON, VERMONT.  
CRUSHED STONE BASE COURSE - FULLER QUARRY - BOLTON, VT.  
GRAVEL BACKFILL - CARAVAN PIT - MORETOWN, VERMONT.  
GRAVEL SHOULDERS - TOWN OF WATERBURY PIT - WATERBURY, VT.  
SINED TAR - HUGGINS  
BACK ASPHALT - ESSO - EVENETT, MASSACHUSETTS.  
WINOUS CONCRETE PAVEMENT  
CONC. CURB - L.V. PIKE & SON - DUXBURY (PLANT), VERMONT.  
CONCRETE CLASS "B" - A.G. ANDERSON, REELY MIX - WATERBURY, VT.  
REINF. STEEL - SCHERER STEEL CO. - E. HARTFORD, CONNECTICUT.  
EXTRA STR. REINF. CO. PIPE - HUYE PIPE CORP. - SPRINGFIELD, MASS.  
ASPH. LTD. CURB GALV. M.L.T. PIPE - N.E. VET. CULV. CO. - W. RIVER JCT., VT.  
PROPERTY LINE FENCE, PLANK GUARD RAIL &  
SIGNS - NATIONAL FENCE CO. - MERIDEN, CONNECTICUT.  
CABLE FOR GUARD RAIL - PAULSEN - WEBBER CORDAGE CORP. - SUNBURY, PENNA.  
TREES & SHRUBS - PUTNEY NURSERY INC. - PUTNEY, VERMONT.

91-174 BLANK  
177-215 CROSS SECTIONS

CONTRACTOR - THE LANE CONSTRUCTION CORP.  
MERIDEN, CONNECTICUT.  
RESIDENT ENGINEER - JOHN SMYRSKI  
INSPECTORS - JOSEPH ST. PETER - ELDON  
MORRISON - KENNETH MASON  
RECORD PLANS - ALEXANDER G. SPITALE  
CONTRACT DATED - APRIL 17, 1959.  
CONTRACT STARTED - MAY 25, 1959.  
CONTRACT COMPLETED - JULY 14, 1961.  
CONTRACT ACCEPTED - JULY 14, 1961.



**RIGHT-OF-WAY  
& CONSTRUCTION  
PLANS**

FIELD SET  
DANIC IN FIELD  
27 AUG. 1974

MIDDLESEX - WATERBURY  
Contract No. 1 - 89-2(5)  
3" Bituminous Concrete Pavement

THE LANE CONSTRUCTION CORP.  
MERIDEN, CONNECTICUT  
1.791 miles southerly of the Middlesex-Waterbury town line and extending northerly and northwesterly 2.627 miles

DATE: 12/22/59

MIDDLESEX-WATERBURY-1-89-2(5) Contract 1  
CONTRACTOR - THE LANE CONST. CORP. - MERIDEN, CONN.  
RECORD PLANS A.G. SPITALE  
CONTRACT COMPLETED - JULY 14, 1961

GRADE ELEVATION	DATUM	DATE	BY
540 + 00.00	BEGIN CONTRACT #1		
	OF PROJECT 1-89-2(5)		
	GROUND ELEVATION		

CURVE DATA

DEFLECTION OF ANGLE	D
DEGREE OF CURVE	D
RADIUS OF CURVE	R
TANGENT DISTANCE	T
LENGTH OF CURVE	L
EXTERNAL DISTANCE	E
POINT OF INTERSECTION	P.I.
POINT OF CURVE	P.C.
POINT OF TANGENT	P.T.
POINT ON TANGENT	P.O.T.
POINT ON SUB-TANGENT	P.O.S.T.

SCALES

TITLE	1" = 1,000'
PLAN	1" = 100'
PROFILE	1" = 50'
HORIZONTAL	1" = 10'
VERTICAL	1" = 10'
CROSS-SECTIONS	1" = 10'
VENT	1" = 10'

STATE OF VERMONT LICENSE NO. 272

DATE: 12/22/59

DATE: 12/22/59

DATE: 12/22/59

DATE: 12/22/59

DATE: 1/20/59

CONTRACT NO. 1

SHEET 1 OF 316

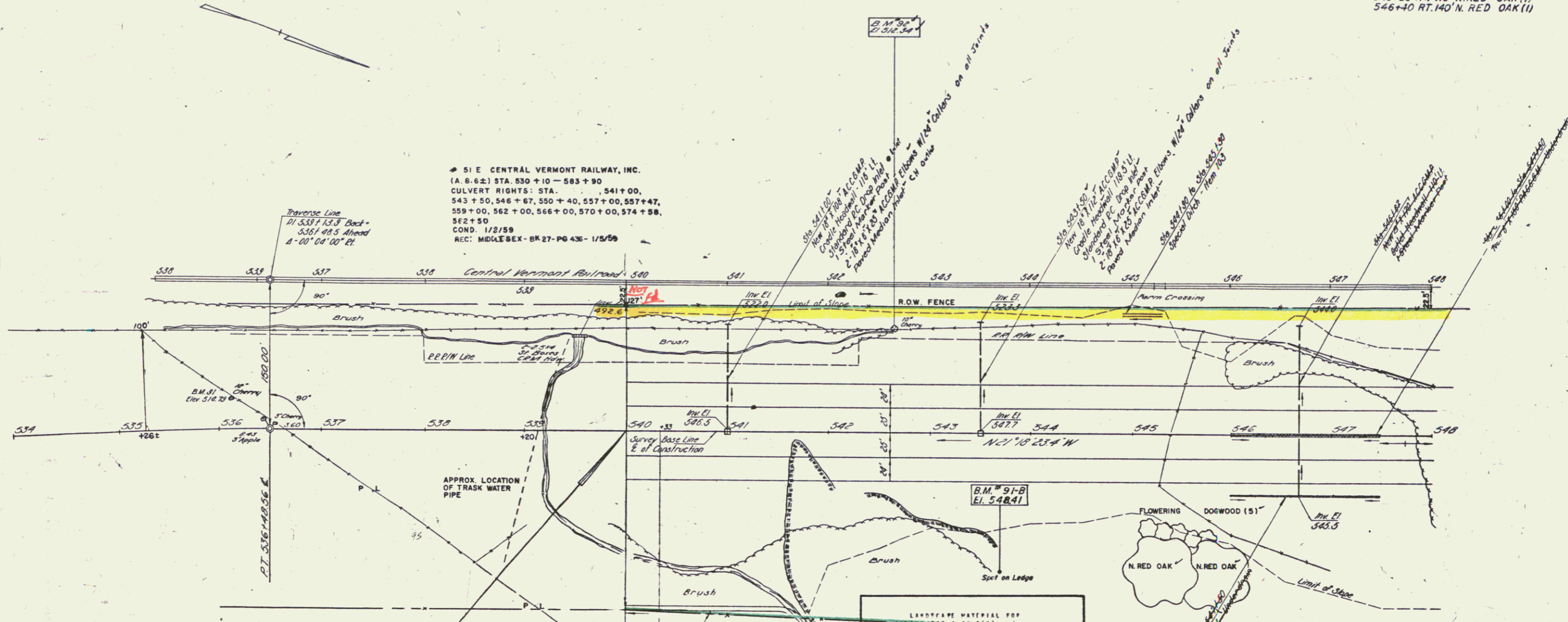
Middlesex - Waterbury I 89-2(5) C-1  
Station 540 to ~ 670+71

3 CABLE GUARD RAIL W/STEEL POSTS  
LEFT RIGHT  
Sta 540+00 to Sta 540+100 13 Sta 540+100 to Sta 540+100  
545+41 538+18

PROPERTY LINE FENCE W/STEEL POSTS  
LEFT RIGHT  
Sta 540+100 to Sta 540+100 Sta 540+100 to Sta 540+100

LANDSCAPE MATERIAL  
TREES  
545+15-546+40 RT 80'-100'  
5 FLOWERING DOGWOOD  
545+60 RT. 110' N. RED OAK (1)  
546+40 RT. 140' N. RED OAK (1)

51 E CENTRAL VERMONT RAILWAY, INC.  
(A. 8.62) STA. 530+10 - 583+90  
CULVERT RIGHTS: STA. 541+00,  
543+50, 546+87, 550+40, 557+00, 557+47,  
559+00, 562+00, 566+00, 570+00, 574+58,  
582+50  
COND. 1/2/59  
REC: MIDDLESEX-BK 27-PG 435-1/5/59



STA 540+00  
END PROJECT T-89-2(4)  
CONTRACT # 3

STA 540+00  
RIGHT PROJECT 109-210 CONTRACT # 11  
N. 65° 10' 02" E 450.329.95'  
Boswell Eng. Co. N. 65° 10' 02" E 450.329.95'

LANDSCAPE MATERIAL FOR  
PROJECT 109-210 AND  
CONTRACT # 11

1. Trees	
A. Evergreen	8
1. White Pine	8
2. Red Spruce	8
3. White Spruce	8
B. Deciduous	10
1. Northern Red Oak	10
2. White Birch	10
3. Flowering Dogwood	10
2. Shrub	100
1. Stone Pine	100

General Notes:  
A. All planting material  
1. Evergreen trees should be 3 year old transplants or older.  
2. Large deciduous trees should be 2 to 3 inch inches in caliper with a minimum height of 7 to 8 feet.  
3. All deciduous trees should be 1 1/4 inch in caliper, 5 to 6 feet in height with 4 or more branches.  
4. Deciduous shrubs should be 2 to 3 feet in height, with not less than 4 canes, 2 feet and up.  
B. All plant material to be graded according to American standards for Nursery stock.  
C. Fertilizer (10-10-10) to be applied at the same time as the grass seed at the rate of 50 lbs. /A/

42 A IRWIN A. & JEAN M. TRASK  
(A. 65.62) STA. 535+30 - 568+80  
RIGHTS: CROSS WATER LINE STA. 539+20  
W. D. 7/3/57  
RECORDED: MIDDLESEX BK. 27 PG. 164-65-7/13/57  
SURPLUS: (A. 49.3) STA. 538+15 - 568+80  
SEE 200 SCALE SHEET 1 OF 4

SP 59 : 49.3 A ±  
SOLD OFF to Grace W. Colby, QCD  
26 APRIL 1963 BK 7 Pg 2

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS

INTERSTATE PROJECT IN THE TOWNS OF  
MIDDLESEX - WATERBURY

PLAN

WILLIAM H. McFARLAND  
ENGINEER  
BINGHAMTON, N. Y.

DESIGNED BY: DATE: 11-1-59  
IN CHARGE: DATE:  
PROJECT NO. 109-2(15) SHEET 26 OF 315  
CONTRACT NO. 1

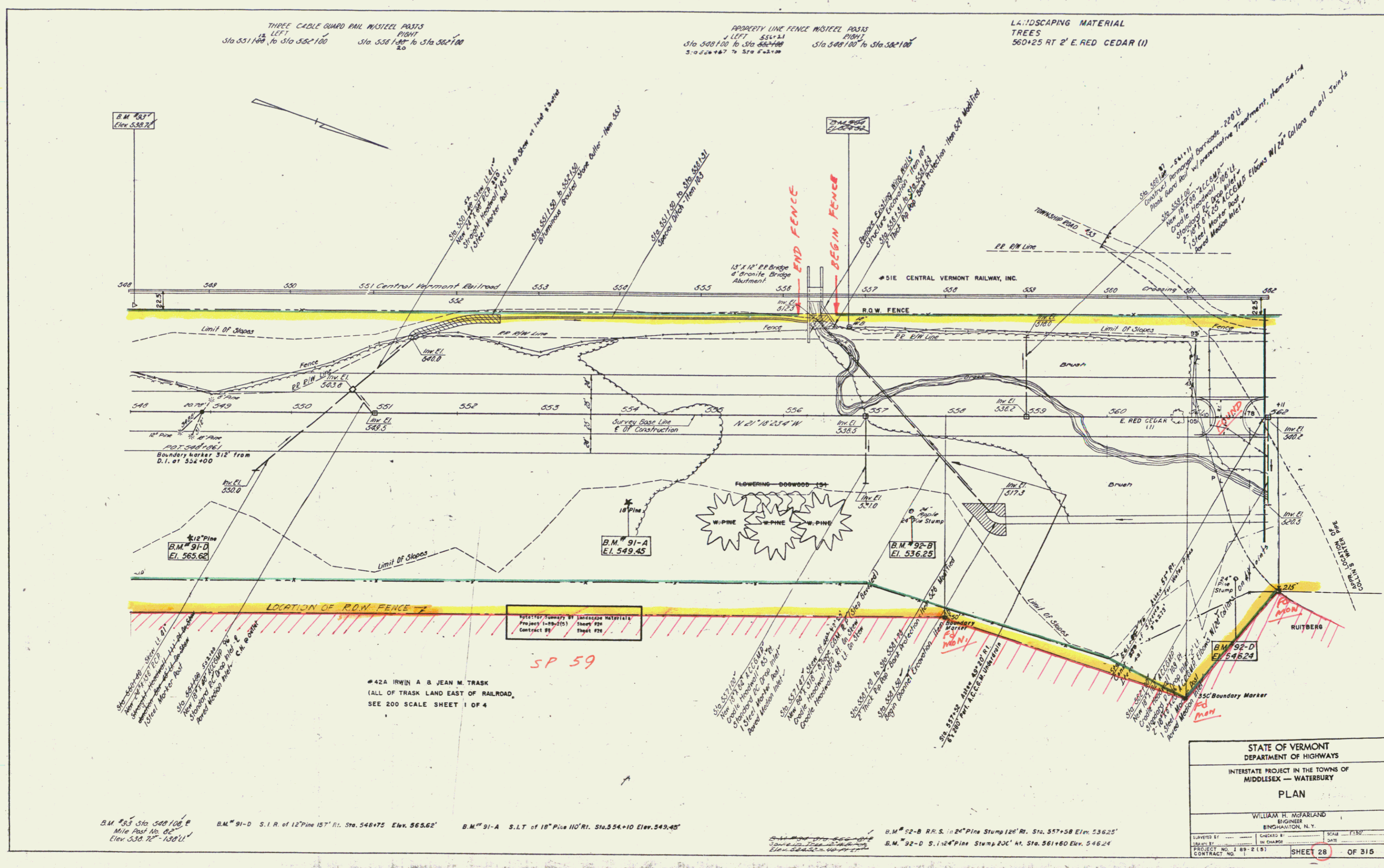
B.M. 91-B Sta. 543+70  
Spot on Ledge 140' RT.  
Elev. 548.48

B.M. 91-B Sta. 543+70  
Spot on Ledge 140' RT.  
Elev. 548.48

THREE CABLE GUARD RAIL W/STEEL POSTS  
LEFT  
Sta 531+00 to Sta 532+00  
RIGHT  
Sta 538+00 to Sta 539+00

PROPERTY LINE FENCE W/STEEL POSTS  
LEFT  
Sta 538+00 to Sta 539+00  
RIGHT  
Sta 548+00 to Sta 549+00

LANDSCAPING MATERIAL  
TREES  
560+25 RT 2' E. RED CEDAR (1)



B.M. #93 Sta 548+00  
Mile Post No. 62  
Elev. 538.72 - 130' U.I.

B.M. #91-D S. 1/4 of 12" Pine 157' Rl. Sta. 548+75 Elev. 565.62'

B.M. #91-A S. 1/4 of 18" Pine 110' Rl. Sta. 554+10 Elev. 549.45'

B.M. #52-B R.R.S. 10 24" Pine Stump 126' Rl. Sta. 557+58 Elev. 536.25'  
B.M. #92-D S. 1/4 Pine Stump 200' Rl. Sta. 561+60 Elev. 546.24'

#42A IRWIN A & JEAN M. TRASK  
(ALL OF TRASK LAND EAST OF RAILROAD,  
SEE 200 SCALE SHEET 1 OF 4)

PROPERTY LINES BY SURVEY MATERIALS  
Project 1-89-015 Sheet #28  
Contract #1

STATE OF VERMONT DEPARTMENT OF HIGHWAYS	
INTERSTATE PROJECT IN THE TOWNS OF MIDDLESEX — WATERBURY	
PLAN	
WILLIAM H. McFARLAND ENGINEER BINGHAMTON, N. Y.	
DESIGNED BY	CHECKED BY
DRAWN BY	IN CHARGE
PROJECT NO. 1-89-015	SCALE 1"=50'
CONTRACT NO. 1-2 (1)	DATE
SHEET 28	OF 315

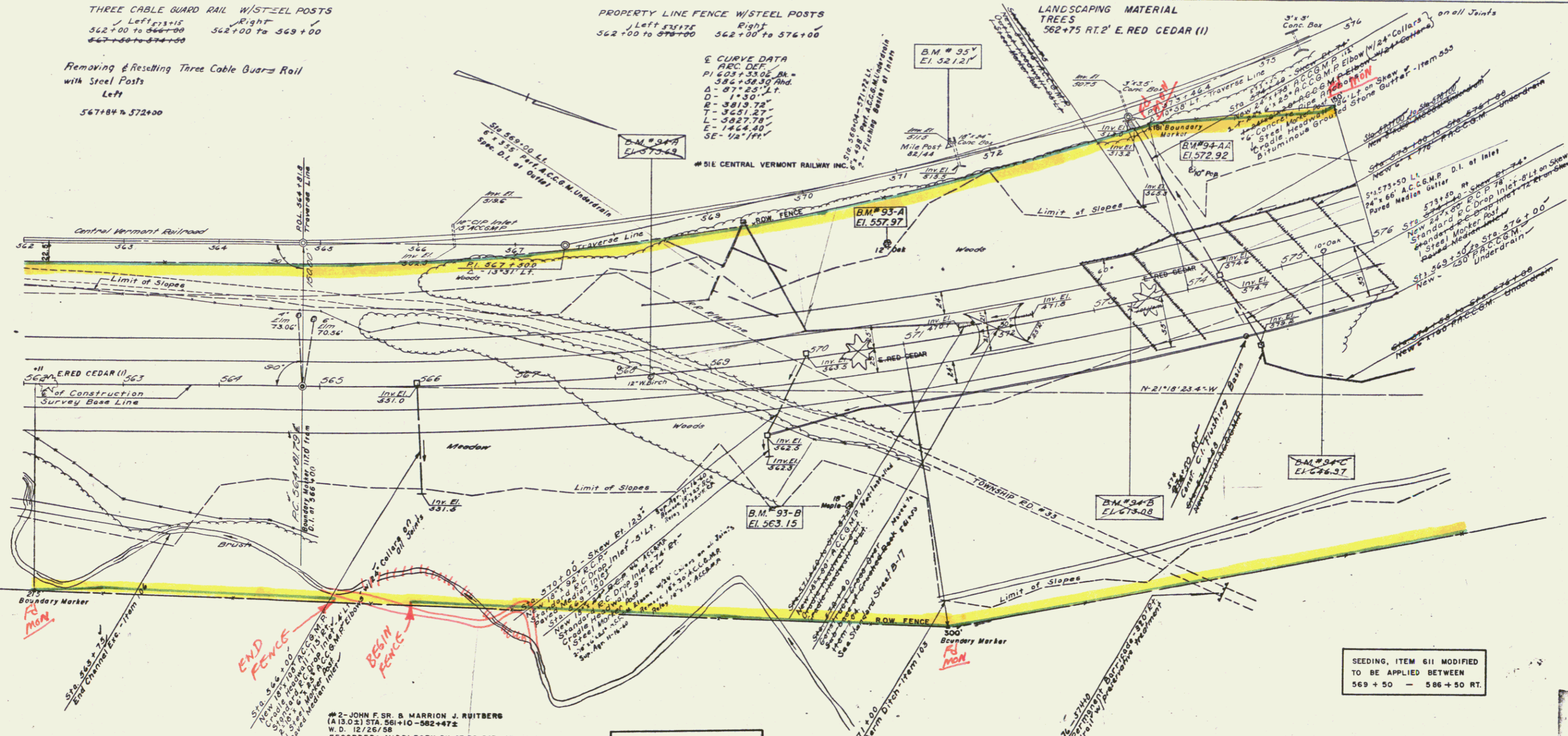
THREE CABLE GUARD RAIL W/STEEL POSTS  
 Left 562+00 to 566+00 Right 562+00 to 569+00  
 567+50 to 574+00

Removing & Resetting Three Cable Guard Rail  
 with Steel Posts  
 Left  
 567+84 to 572+00

PROPERTY LINE FENCE W/STEEL POSTS  
 Left 575+75 Right 562+00 to 576+00

E CURVE DATA  
 REC. DEF.  
 PI 603+33.06 Ak =  
 385+56.30 Rad.  
 Δ - 87° 25' LT  
 D - 30.00'  
 E - 3819.72'  
 T - 3651.27'  
 L - 3627.78'  
 E - 1464.40'  
 SE - 1/2" 1/4"

LANDSCAPING MATERIAL  
 TREES  
 562+75 RT. 2' E. RED CEDAR (1)



END FENCE  
 568+00

BEGIN FENCE  
 570+00

#2 - JOHN F. SR. & MARRION J. RUITBERG  
 (A 13.02) STA. 561+10 - 582+47.2  
 W.D. 12/26/58  
 RECORDED: MIDDLESEX BK. 27 P. 545-47 - 12/31/58

Note: for Summary of Landscape Material  
 Project 1-89 (15) Sheet #28  
 Contract #1 Sheet #28

SEEDING, ITEM 611 MODIFIED  
 TO BE APPLIED BETWEEN  
 569+50 - 586+50 RT.

B.M. # 94-A ON 560+42.2  
 S.I.T. - 12" W. BIRCH  
 Elev. 575.60 - 11.4

B.M. # 94-B ON 573+40.2  
 S.I.T. - 10" Hemlock  
 Elev. 613.08 - 8.27

B.M. # 94-C ON 575+45.2  
 S.I.T. - 10" Oak  
 Elev. 646.97 - 3.17

B.M. # 92 - Sta. 571+00 (Traverse Line)  
 Top Mile Post #4414  
 Elev. 521.21 - 14' LT  
 198' LT

B.M. # 93-A S.I.T. 12" Oak 108' Lt. Sta. 591+00 Elev. 557.97  
 B.M. # 93-B S.I.T. 16" Maple 160' Rt. Sta. 570+20 Elev. 563.15  
 B.M. # 94-AA S.I.T. 10" Pop. 172' Lt. Sta. 574+35 Elev. 572.92

STATE OF VERMONT  
 DEPARTMENT OF HIGHWAYS  
 INTERSTATE PROJECT IN THE TOWNS OF  
 MIDDLESEX - WATERBURY  
 PLAN

WILLIAM H. McFARLAND  
 ENGINEER  
 BIRCHMOUNT, N.Y.

PROJECT NO. 1 89-2 (15)  
 CONTRACT NO. 1  
 SHEET 30 OF 315



SEEDING ITEM 611, MODIFIED  
TO BE APPLIED BETWEEN  
589+50 - 586+50 RT.

JOHN F. & MARRION J. RUITBERG

B.M. 95-A S.I.R. 12" Pop. 112' L1. Sta. 579+40 Elev. 579.61'  
 B.M. 95-B S.I.R. 2" W.B. 124' L1. Sta. 577+53 Elev. 579.43'  
 B.M. 94-F-1 S.I.R. 15" Oak 117' RL. Sta. 586+50 Elev. 573.66'  
 B.M. 96-A S.I.R. 10" W. Birch 117' L1. Sta. 586+05 Elev. 565.93'  
 B.M. 96-B S.I.T. 12" Beech 123' LL. Sta. 582+15 Elev. 564.78'

STATE OF VERMONT DEPARTMENT OF HIGHWAYS	
INTERSTATE PROJECT IN THE TOWNS OF MIDDLESEX - WATERBURY	
PLAN	
WILLIAM H. McFARLAND ENGINEER BINGHAMTON, N.Y.	
SURVEYED BY	CHECKED BY
DRAWN BY	IN CHARGE
PROJECT NO. 185-215	DATE
CONTRACT NO.	SHEET 32 OF 315



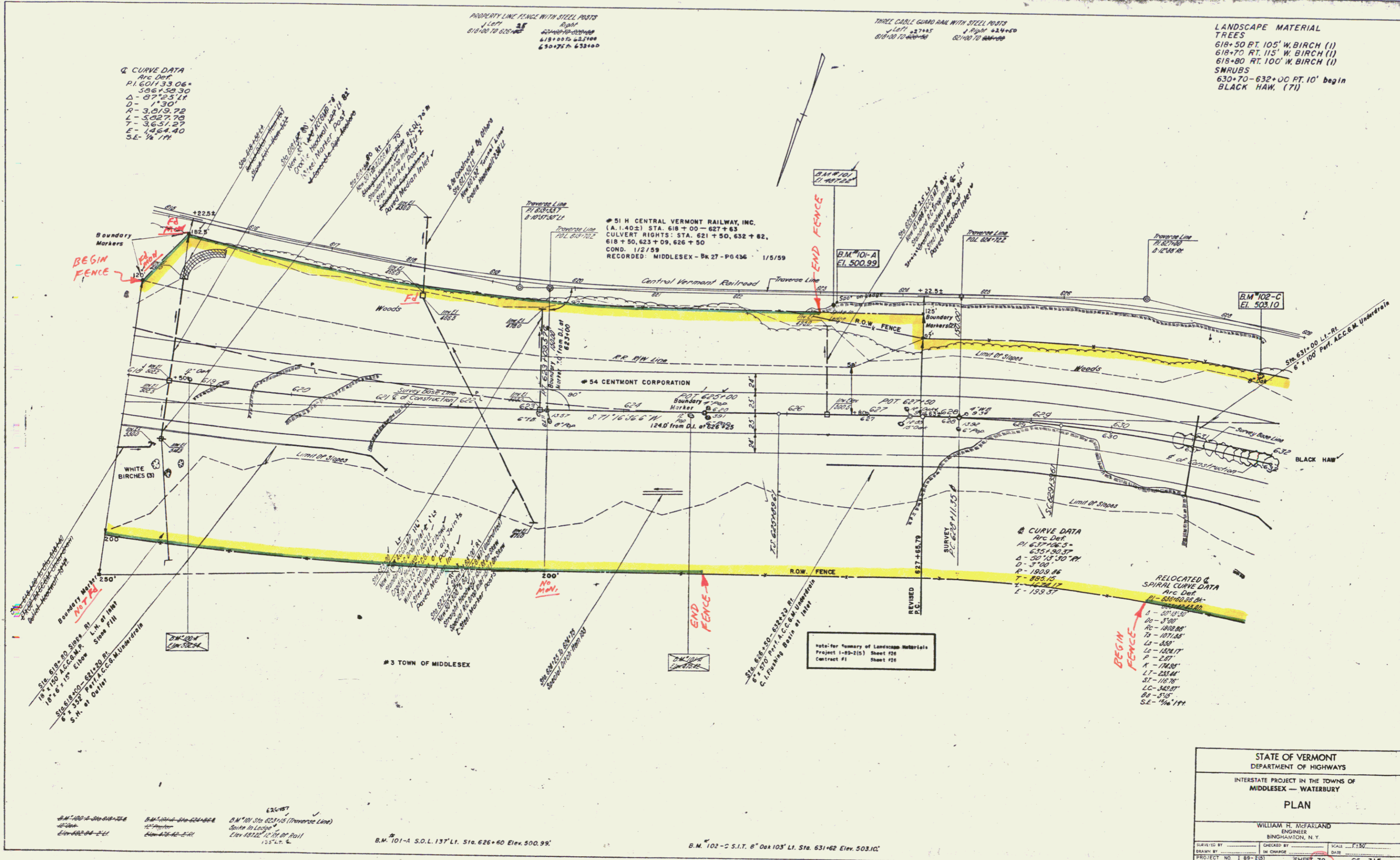


Q CURVE DATA  
 Arc Def  
 P.I. 601+33.06  
 Δ = 87°23'11"  
 R = 3,019.72  
 L = 5027.70  
 T = 3651.27  
 E = 1464.40  
 S.E. 1/4 174

PROPERTY LINE FENCE WITH STEEL POSTS  
 Right  
 618+00 TO 620+00  
 618+00 TO 620+00  
 618+00 TO 620+00  
 618+00 TO 620+00

THREE CABLE GUARD RAIL WITH STEEL POSTS  
 Left Right  
 621+00 TO 624+00  
 621+00 TO 624+00

LANDSCAPE MATERIAL  
 TREES  
 618+50 RT. 105' W. BIRCH (1)  
 618+70 RT. 115' W. BIRCH (1)  
 618+80 RT. 100' W. BIRCH (1)  
 SNRUBS  
 630+70-632+00 FT. 10' begin  
 BLACK HAW. (71)



Boundary Markers  
 518 618+00 S.W. 1/4  
 10' x 150' A.C.C. & S.A.  
 10' x 150' E. Side  
 S.W. 1/4  
 S.W. 1/4  
 S.W. 1/4  
 S.W. 1/4

# 3 TOWN OF MIDDLESEX

518 626+60 S.W. 1/4  
 150' x 150' A.C.C. & S.A.  
 S.W. 1/4  
 S.W. 1/4

Q CURVE DATA  
 Arc Def  
 P.I. 631+06.3  
 Δ = 50°15'30"  
 R = 3,100.00  
 L = 1,000.00  
 T = 895.15  
 E = 159.37

RELOCATED & SPIRAL CURVE DATA  
 Arc Def  
 P.I. 631+06.3  
 Δ = 50°15'30"  
 R = 3,100.00  
 L = 1,000.00  
 T = 895.15  
 E = 159.37

B.M. 101-A S.O.L. 137' Lt. Sta. 626+60 Elev. 500.99'  
 B.M. 101-B S.O.L. 137' Lt. Sta. 626+60 Elev. 500.99'  
 B.M. 101-C S.O.L. 137' Lt. Sta. 626+60 Elev. 500.99'

B.M. 101-A S.O.L. 137' Lt. Sta. 626+60 Elev. 500.99'

B.M. 102-C S.I.T. 0° Dia 103' Lt. Sta. 631+62 Elev. 503.10'

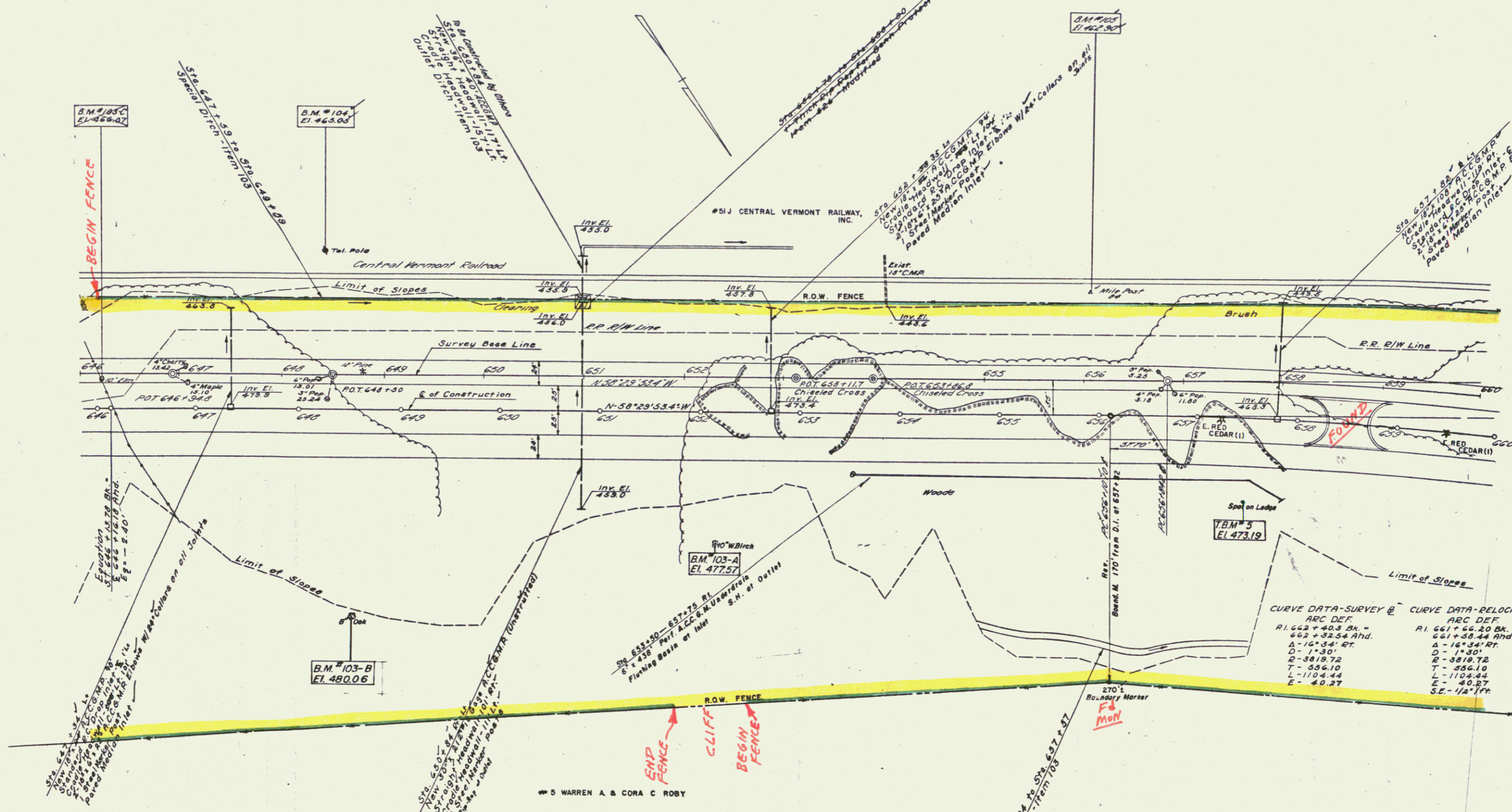
STATE OF VERMONT DEPARTMENT OF HIGHWAYS			
INTERSTATE PROJECT IN THE TOWNS OF MIDDLESEX — WATERBURY			
PLAN			
WILLIAM H. McFARLAND ENGINEER BINGHAMTON, N. Y.			
DRAWN BY	CHECKED BY	SCALE	F. 150'
PROJECT NO. 188-1(3)	IN CHARGE	DATE	
CONTRACT NO.		SHEET 38	OF 315



THREE CABLE GUARD RAIL W/STEEL POSTS  
 Left 446+00 to 460+00 Right 451+80  
 446+58 to 450+00  
 450+00 to 460+00  
 657+50

PROPERTY LINE FENCE W/STEEL POSTS  
 Left 446+00 to 460+00 Right 451+80  
 446+00 to 450+00  
 450+00 to 460+00  
 653+50 to

LANDSCAPE MATERIAL  
 TREES  
 657+25 RT. 2' E. RED CEDAR (1)  
 659+50 RT. 2' E. RED CEDAR (1)



CURVE DATA-SURVEY @	CURVE DATA-RELOCATED @
ARC DEF.	ARC DEF.
R1 662+40.3 BK =	R1 661+66.20 BK =
402+32.54 Rhd.	651+58.44 Rhd.
Δ = 16°34' RT	Δ = 16°34' RT
D = 1°30'	D = 1°30'
Q = 3818.72	Q = 3818.72
T = 556.10	T = 556.10
L = 1104.44	L = 1104.44
E = 40.27	E = 40.27
	SE = 1/2" 1/4"

B.M. #103-C Sta. 446+21.2  
 S.I.R. - 10' Elm  
 Elev. 466.07 - 44.4'

B.M. #104 Sta. 443+43 @  
 Spike in Tel. Pole  
 Elev. 465.05 - 120' Lt.  
 15C

B.M. #105 Sta. 456+00 @  
 Mile Post 84  
 Elev. 462.90 - 83' Lt.

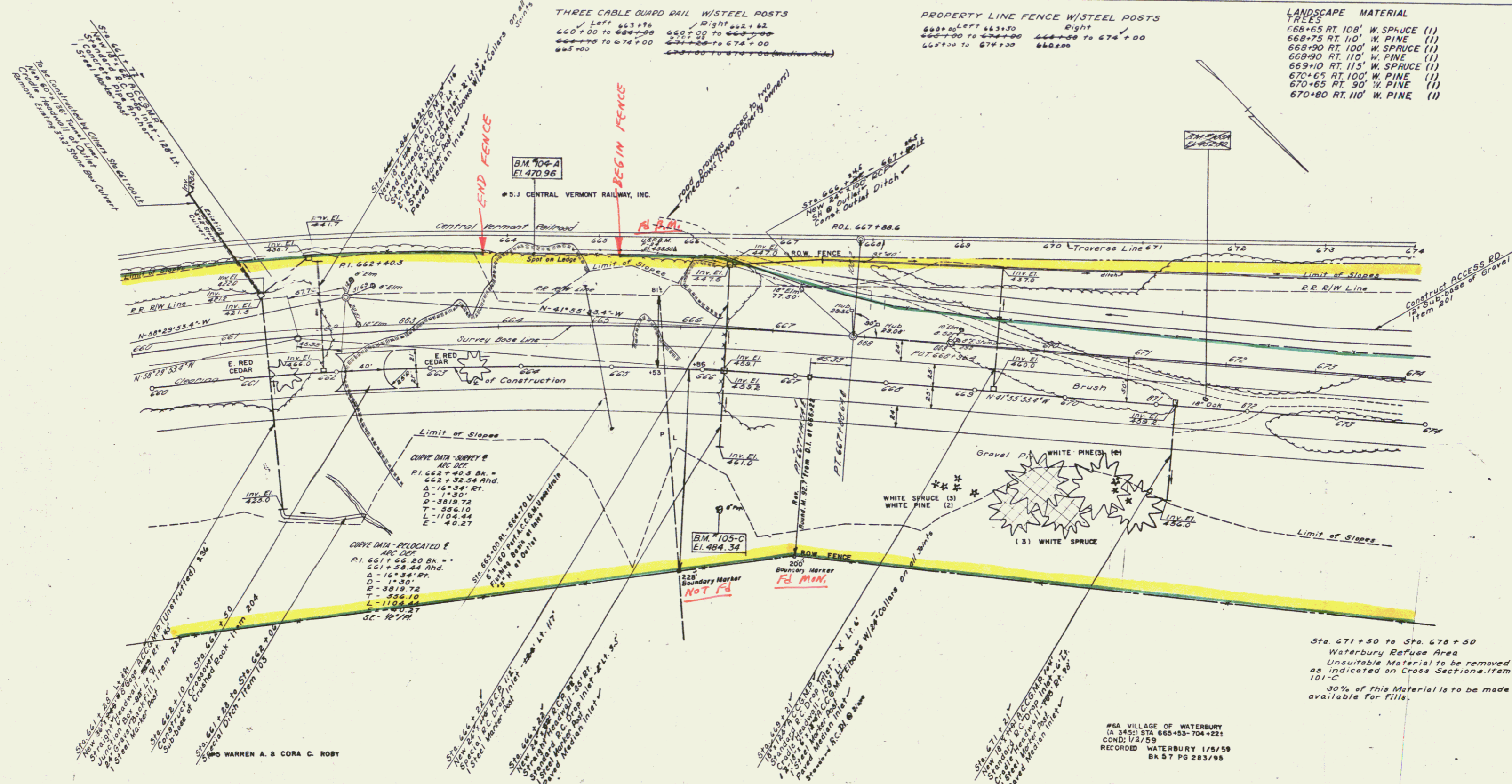
B.M. #103-A S.I.T. 10' W. Birch 134' Rt. Sta. 652+15 Elev. 477.57  
 T.B.M.'s S.O.L. 8" Rt. Sta. 657+50 Elev. 473.19

B.M. #103-B S.I.T. 8" Oak 253' Rt. Sta. 649+53 Elev. 480.06

STATE OF VERMONT  
 DEPARTMENT OF HIGHWAYS  
 INTERSTATE PROJECT IN THE TOWNS OF  
 MIDDLESEX - WATERBURY  
 PLAN

W. LIAM H. McFARLAND  
 ENGINEER  
 BINGHAMTON, N.Y.

SURVEYED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ SCALE: 1"=50'  
 DRAWN BY: \_\_\_\_\_ IN CHARGE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CONTRACT NO. \_\_\_\_\_ SHEET 42 OF 315



THREE CABLE QUAD RAIL W/STEEL POSTS  
 Left 663+96 Right 662+62  
 660+00 to 663+96 660+00 to 662+62  
 664+75 to 674+00 671+00 to 674+00  
 665+00 667+00 to 674+00 (Medium Grade)

PROPERTY LINE FENCE W/STEEL POSTS  
 668+00 Left 663+30 Right  
 668+00 to 674+00 668+00 to 674+00  
 667+00 to 674+00 668+00

LANDSCAPE MATERIAL TREES  
 668+65 RT. 108' W. SPRUCE (1)  
 668+75 RT. 110' W. PINE (1)  
 668+90 RT. 100' W. SPRUCE (1)  
 668+90 RT. 110' W. PINE (1)  
 669+10 RT. 115' W. SPRUCE (1)  
 670+65 RT. 100' W. PINE (1)  
 670+80 RT. 110' W. PINE (1)

CURVE DATA - SURVEY B  
 APC DEF  
 P.I. 662+40.3 Bk. =  
 662+32.34 Ahd.  
 Δ = 14°34' RT.  
 D = 113.01'  
 E = 3019.72  
 T = 356.10  
 L = 1104.44  
 SE = N 77°

CURVE DATA - RELOCATED E  
 APC DEF  
 P.I. 661+66.20 Bk. =  
 661+56.44 Ahd.  
 Δ = 14°34' RT.  
 D = 113.01'  
 E = 3019.72  
 T = 356.10  
 L = 1104.44  
 SE = N 77°

B.M. 104-A S.T. 125' LI. Sta. 664+15 Elev. 470.96'  
 S.T. 102 Oak  
 Elev. 452-50 - 40' RT.

B.M. 104-A S.C.L. 125' LI. Sta. 664+15 Elev. 470.96'

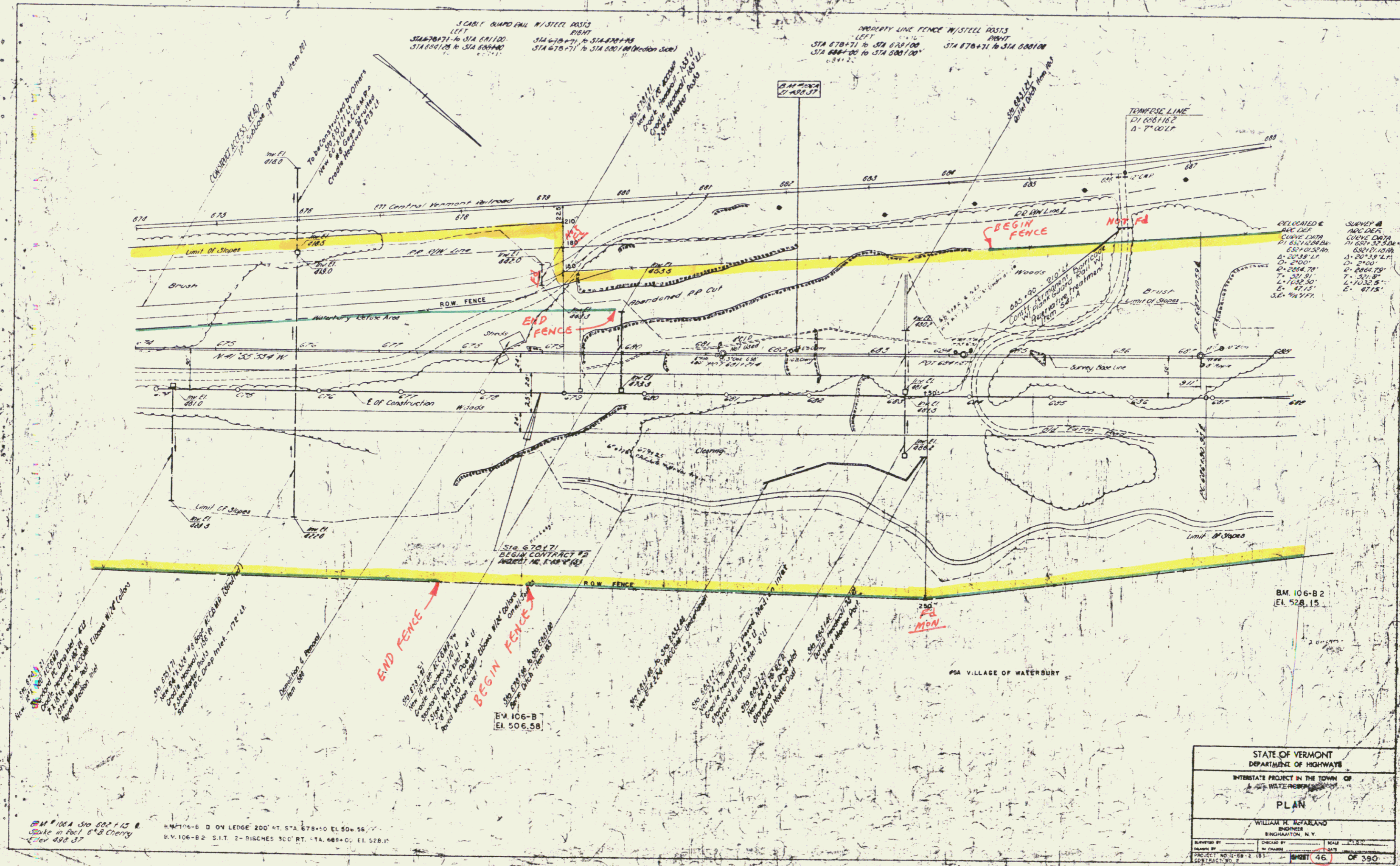
B.M. 105-C S.T. 8" Pop 155' Rr. Sta. 666+25 Elev. 484.34'

Note: For Summary of Landscape Material  
 Project 1-55-2153 Sheet #28  
 Contract #1 Sheet #28

#6A VILLAGE OF WATERBURY  
 (A 3450) STA. 665+53-704+221  
 COND: 1/2/59  
 RECORDED WATERBURY 1/5/59  
 Bk 57 PG 283/98

Sta. 671+50 to Sta. 678+50  
 Waterbury Refuse Area  
 Unsuitable Material to be removed  
 as indicated on Cross Sections Item  
 101-C  
 30% of this Material is to be made  
 available for fill.

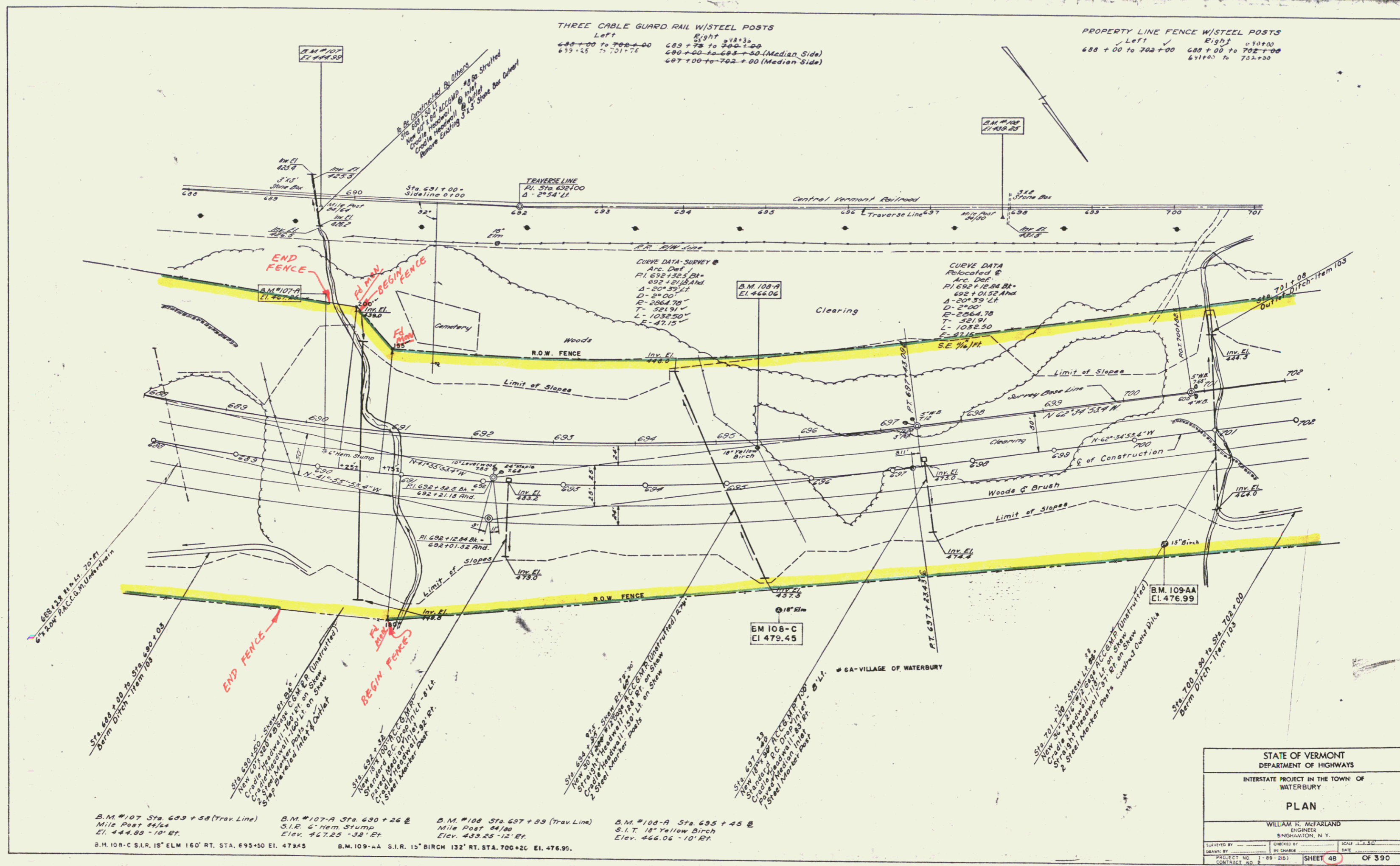
STATE OF VERMONT DEPARTMENT OF HIGHWAYS			
INTERSTATE PROJECT IN THE TOWNS OF MIDDLESEX - WATERBURY			
PLAN			
WILLIAM H. MCFARLAND ENGINEER BINGHAMTON, N.Y.			
SURVEYED BY	CHECKED BY	SCALE	1" = 30'
DRAWN BY	IN CHARGE	DATE	
PROJECT NO. 1-55-2153	SHEET 44	OF 315	



BM 106A 5th 622.13  
 Stake in East of Cherry  
 Elev. 488.57

BM 106-B 2 ON LERGE 200 FT. STA 678+50 EL. 506.56  
 B.V. 106-B-2 S.I.T. 2-BIRCHES 300 FT. TA. 488+00 EL. 528.15

STATE OF VERMONT DEPARTMENT OF HIGHWAYS			
INTERSTATE PROJECT IN THE TOWN OF WATERBURY			
PLAN			
WILLIAM H. SPARLAND ENGINEER BINGHAMTON, N.Y.			
DRAWN BY	CHECKED BY	SCALE	DATE
BY CHASE	BY CHASE	AS SHOWN	1-24-78
PROJECT NO. 1-69-4-151	SHEET 46	OF 390	



THREE CABLE GUARD RAIL W/STEEL POSTS  
 Left 688+00 to 702+00  
 Right 688+75 to 702+00  
 688+00 to 693+50 (Median Side)  
 697+00 to 702+00 (Median Side)

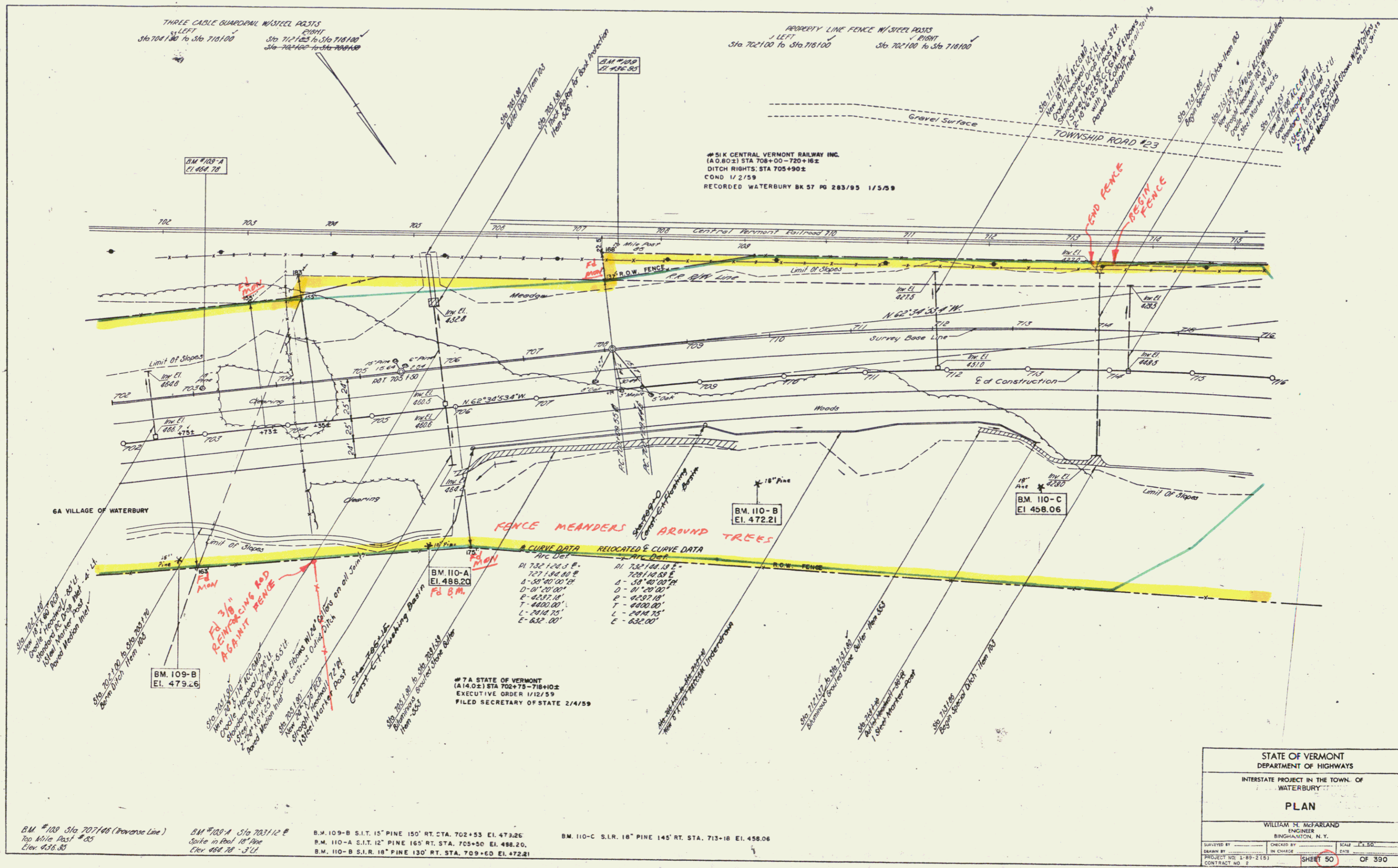
PROPERTY LINE FENCE W/STEEL POSTS  
 Left 688+00 to 702+00  
 Right 688+00 to 702+00  
 691+00 to 702+00

CURVE DATA - SURVEY @  
 Arc. Def.  
 R=1692+25.50  
 A=20+21.18 And  
 L=20+39.14  
 D=20+00  
 E=2064.70  
 T=321.91  
 L=1038.50  
 E=47.15

CURVE DATA  
 Relocated @  
 Arc. Def.  
 R=1692+25.50  
 A=20+21.18 And  
 L=20+39.14  
 D=20+00  
 E=2064.70  
 T=321.91  
 L=1038.50  
 E=47.15

B.M. #107 Sta. 689+50 (Trav. Line)  
 Mile Post 44/4  
 El. 444.88 - 10' RT.  
 B.M. #107-A Sta. 690+26 @  
 S.I.P. G. Hem. Stump  
 El. 467.25 - 38' ET.  
 B.M. #108 Sta. 697+89 (Trav. Line)  
 Mile Post 44/40  
 El. 448.26 - 12' ET.  
 B.M. #108-A Sta. 695+45 @  
 S.I.T. 18" Yellow Birch  
 El. 466.06 - 10' RT.  
 B.M. 108-C S.I.R. 15' ELM 160' RT. STA. 695+50 El. 479.45  
 B.M. 109-AA S.I.R. 15' BIRCH 132' RT. STA. 700+20 El. 476.99

STATE OF VERMONT DEPARTMENT OF HIGHWAYS		
INTERSTATE PROJECT IN THE TOWN OF WATERBURY		
PLAN		
WILLIAM H. McFARLAND ENGINEER BINGHAMTON, N. Y.		
DESIGNED BY	CHECKED BY	SCALE 1"=50'
DRAWN BY	BY CHARGE	DATE
PROJECT NO. 1-69-207	SHEET 48	OF 390



BM #100 Sta 707+40 (Inverse Line)  
100 1/4" Post #85  
Elev 425.85

BM #109-A Sta 703+12 P  
Spike in 18" Pine  
Elev 484.78 - 3' L

BM 109-B S.I.T. 15" PINE 150' RT. STA. 702+53 E. 479.25

BM 110-A S.I.T. 12" PINE 165' RT. STA. 705+50 E. 488.20

BM 110-B S.I.T. 18" PINE 130' RT. STA. 709+ED E. 472.21

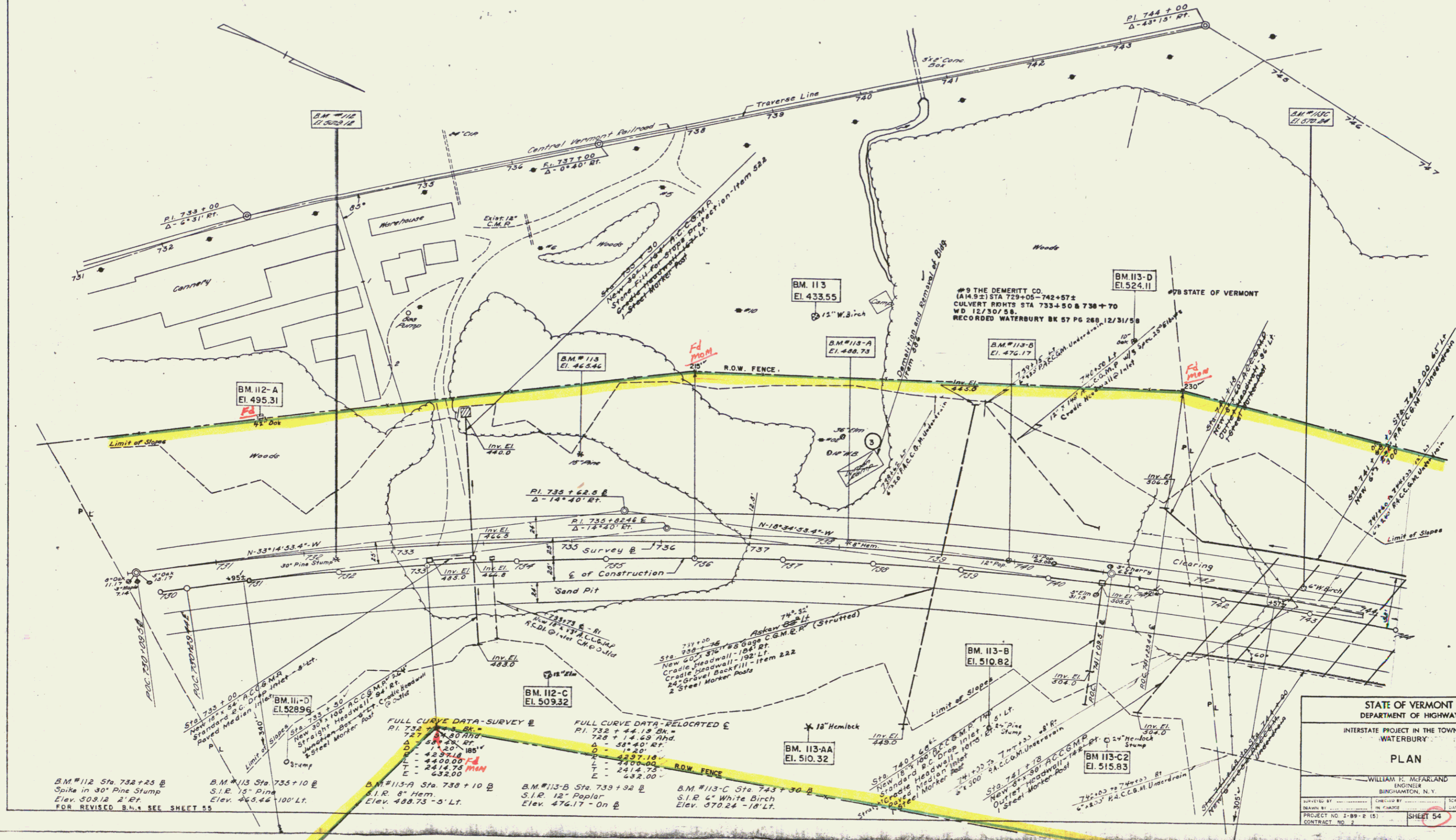
BM 110-C S.I.T. 18" PINE 145' RT. STA. 713+18 E. 458.06



THREE CABLE GUARD RAIL W/STEEL POSTS  
 732+40 Left 740+40 Right 739+30  
 731+70 to 741+10 737+75 to 740+60

PROPERTY LINE FENCE W/STEEL POSTS  
 Left Right  
 730+00 to 744+00 730+00 to 744+00

DEMOLITION AND REMOVAL OF BUILDING  
 STA. 737+70 LT. NO. 3



BM #112 Sta 732+25 @  
 Spike in 30" Pine Stump  
 Elev. 509.12 ± Rt.  
 FOR REVISED B.M. SEE SHEET 55

BM #113 Sta 735+10 @  
 S.I.R. 12" Pine  
 Elev. 463.46 ± 100' Lt.

BM #113-A Sta. 738+10 @  
 S.I.R. 8" Hem.  
 Elev. 488.75 ± 5' Lt.

BM #113-B Sta. 733+32 @  
 S.I.R. 12" Poplar  
 Elev. 476.17 ± On @

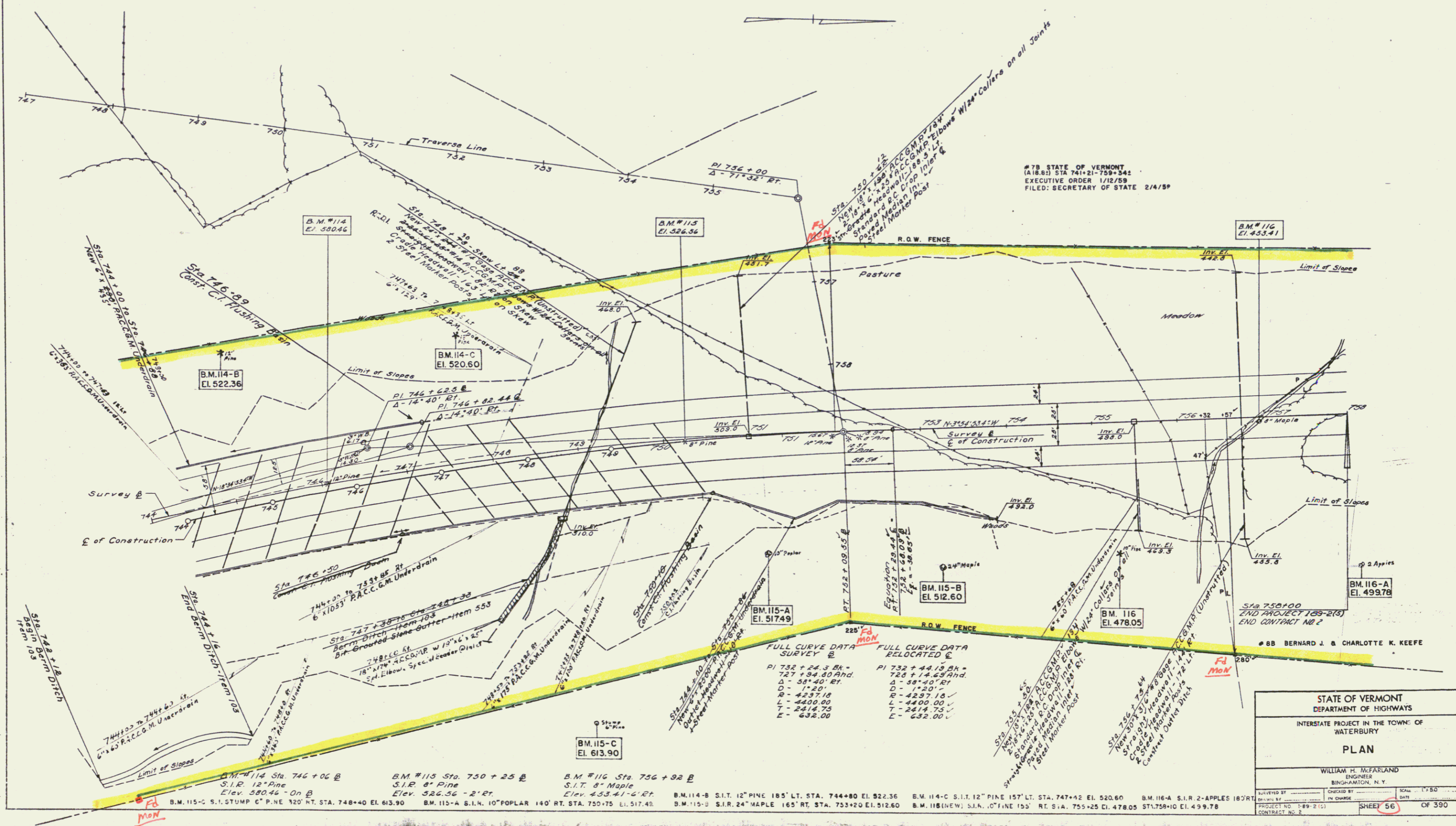
BM #113-C Sta. 743+30 @  
 S.I.R. 6" White Birch  
 Elev. 570.24 ± 18' Lt.

STATE OF VERMONT DEPARTMENT OF HIGHWAYS			
INTERSTATE PROJECT IN THE TOWN OF WATERBURY			
PLAN			
WILLIAM H. McFARLAND ENGINEER BINGHAMTON, N.Y.			
SUPPLIED BY	CHECKED BY	SCALE	1" = 50'
DRAWN BY	IN CHARGE	DATE	
PROJECT NO. 2-88-2 (S)		SHEET 54	OF 390
CONTRACT NO. 2			

Fd 1 1/2" IRON PIPE IN FENCE  
 Fd 1 1/2" IRON PIPE OUTSIDE FENCE

THREE CABLE GUARD RAIL W/STEEL POSTS  
 Left 753+00 to 758+00 Right 758+00 to 758+00

PROPERTY LINE FENCE W/STEEL POSTS  
 Left 744+00 to 758+00 Right 744+00 to 758+00



#78 STATE OF VERMONT  
 (A.18.B) STA 741+21-759+342  
 EXECUTIVE ORDER 1/12/59  
 FILED: SECRETARY OF STATE 2/4/59

FULL CURVE DATA SURVEY B		FULL CURVE DATA RELOCATED C	
PI 732 + 24.3 Bk -	727 + 34.80 Ahd.	PI 732 + 44.18 Bk -	723 + 14.65 Ahd.
Δ - 58° 40' RT	D - 1120'	Δ - 58° 40' RT	D - 1120'
L - 4400.00	T - 2414.75	L - 4237.16	T - 2414.75
E - 632.00		E - 632.00	

STATE OF VERMONT DEPARTMENT OF HIGHWAYS	
INTERSTATE PROJECT IN THE TOWN OF WATERBURY	
PLAN	
WILLIAM H. McFARLAND ENGINEER BINGHAMTON, N. Y.	
DESIGNED BY	CHECKED BY
PROJECT NO. 189-2(1)	DATE
CONTRACT NO. 2	SHEET 56 OF 390

INDEX

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS  
PROPOSED IMPROVEMENT

INTERSTATE PROJECT IN THE TOWN OF  
**WATERBURY**

COUNTY OF WASHINGTON  
**Interstate 89 PROJECT NO. I-89-2(6)**

MAIN LINE BEGINNING AT THE INTERSECTION OF THE WASHINGTON-WATERBURY  
TOWN LINE AND ROUTE 100 (RURALWAY) 1.99 TO 37+00

LENGTH OF ROADWAY - 4,829.01 FEET = 0.913 MILES  
LENGTH OF HIGHWAY - 375.00 FEET = 0.071 MILES  
LENGTH OF PROJECT - 5,204.01 FEET = 0.985 MILES  
RAMP 1: STA 11+91.6 TO STA 15+34.51  
STA A+C+00 TO STA A+17+97.32  
BRIDGE STA A+76 TO STA A+810  
STA C+0+00 TO STA C+9+68.97  
STA D+0+00 TO STA D+9+13.97  
STA E+0+00 TO STA E+9+63.55  
STA F+0+00 TO STA F+12+7.25  
STA G+0+00 TO STA G+12+7.71  
STA H+0+00 TO STA H+13+10.00  
ARMORY ACCESS ROAD STA 0+00 TO STA 15+50  
ARMORY ACCESS ROAD BRIDGE STA 0+00 TO STA 1+36.75  
RELOCATED ROUTE 100 (RURALWAY) 1.99 TO 37+00  
RELOCATED ROUTE 100 (RURALWAY) 1.99 TO 22+10.27

DESIGN DESIGNATION  
ADT (1988) = 1800  
ADT (1975) = 1000  
DHV = 127%  
D = 58%  
T = 6%  
V = 70 MPH

SEE PLANS OF PROJECT F-029-1(1)

**RIGHT-OF-WAY  
& CONSTRUCTION  
PLANS**

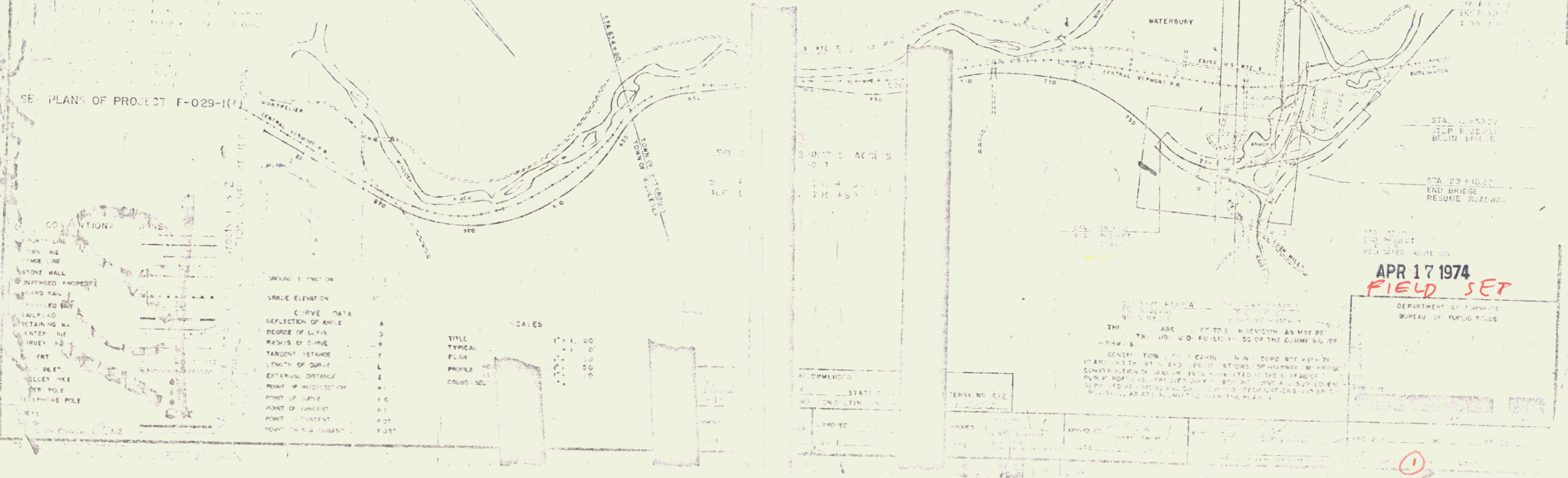
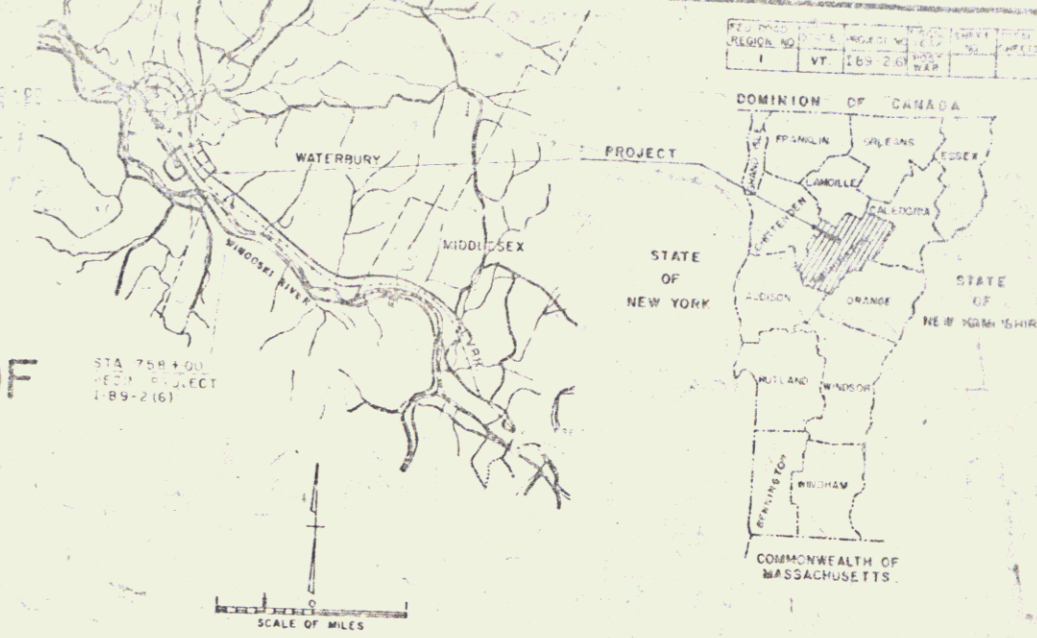
DPR 60127

SEE PLANS OF PROJECT F-029-1(1)

CONVENTIONS
MAIN LINE
PAVED ROAD
STONE WALL
UNPAVED ROAD
RAILROAD
RETAINING WALL
ENTER SURVEY
EXIT
DRY
VALLEY
UTILITY POLE
TELEPHONE POLE
...

GRADE ELEVATION
CURVE DATA
DEFLECTION OF ANGLE
DEGREE OF CURVE
RADIUS OF CURVE
TANGENT DISTANCE
LENGTH OF CURVE
EXTERNAL DISTANCE
POINT OF INTERSECTION
POINT OF CURVE
POINT OF TANGENT
POINT OF CURVE TANGENT
...

TITLE	SCALE
TYPICAL	1" = 100'
PLAN	1" = 100'
PROF'LE	1" = 50'
CROSS-SECTION	1" = 10'



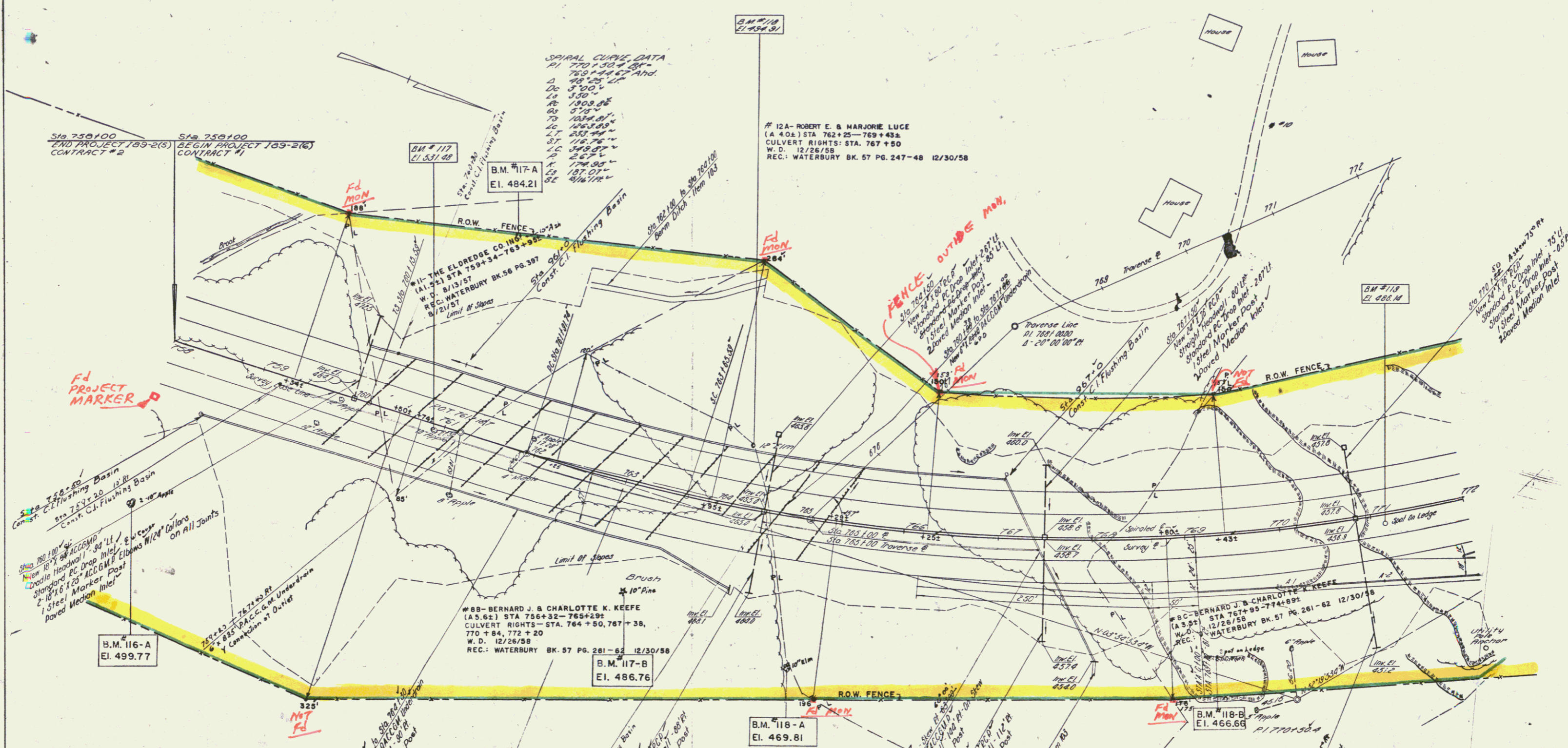
APR 17 1974  
**FIELD SET**

DEPARTMENT OF VERMONT  
BUREAU OF PUBLIC ROADS

Waterbury I-89-2(6) Cont. 1 of 2 Sta. 758 ~ 810+00

THREE CABLE GUARD RAIL w/ STEEL POSTS  
 LEFT  
 STA 758+00 TO STA 760+00  
 STA 761+00 TO STA 772+00  
 R.I.P.T.  
 STA 758+50-772+50  
 RAMP X 0+00-7+20  
 Ramp A 0+78 to 3+74

PROPERTY LINE FENCE w/ STEEL POSTS  
 LEFT  
 STA 758+00 TO STA 772+00  
 RIGHT  
 STA 769+00 TO STA 772+00  
 RAMP X 3+00 TO 3+20



SPIRAL CURVE DATA  
 P1 770+30.4 28'  
 P2 753+44.4 28'  
 Δ 48° 25' 11"  
 Δc 3' 00"  
 Δs 3' 00"  
 R 1900.86  
 ΔT 374'  
 ΔL 1084.01'  
 ΔT 1084.01'  
 ΔL 1084.01'  
 ΔT 1084.01'  
 ΔL 1084.01'  
 ΔT 1084.01'

B.M. #117, Sta 760+95' Stake in Post 10" Apple Elev 531.88 - 8' RI  
 B.M. #116-A, Sta 760+10' Spot on Ledge Elev 499.77  
 B.M. #117-A, S.I.R. 10" Ash 22'0" Lt. Sta. 761+10' El. 484.21  
 B.M. #117-B, S.I.R. 10" Fine 115' Rt. Sta. 763+25' El. 488.76  
 B.M. #118-A, S.I.R. 10" Elm 160' Rt. Sta. 765+00' El. 469.81  
 B.M. #118-B, Spot on Ledge 130' Rt. Sta. 769+25' El. 466.66  
 B.M. #119, Sta 771+114' Spot on Ledge Elev 488.10

STATE OF VERMONT DEPARTMENT OF HIGHWAYS	
INTERSTATE PROJECT IN THE TOWN OF WATERBURY	
PLAN	
WILLIAM F. McFARLAND ENGINEER BINGHAMTON, N.Y.	
DESIGNED BY	SCALE 1"=50'
DRAWN BY	DATE
PROJECT NO. 1-18-216	SHEET 184 OF 329
CONTRACT NO.	

**CURVE DATA**  
 P1 775+304.0A -  
 163+47.3'  
 Δ 48°23'47"  
 D 3'  
 R 1309.86'  
 T 888.66'  
 L 1613.59'  
 E 184.15'

**LINE & EXISTING SOLID**  
 ROAD GRADE  
 LT 770+780.00 78+40-70+40  
 RIGHT A 775-12400  
 RAMP 240-5+30

**SHOW & DISPOS. OF PRESENT**  
 GUARD RAIL  
 STA 2+00-26+71  
 STA 31+0-25+00

**# 14 SIMON A. NASI**  
 (A. O. 172) STA 774+80-780+47.2  
 W.D. 12/27/58  
 RECORDED: WATERBURY-BK 57-PG 25C-12/30/58

**FD 3/4" IRON PIPE**  
**AGAINST FENCE**

**END FENCE**

**END FENCE**

**END FENCE**

**END FENCE**

**QCD to Ernest Metzger**  
 12/13/62  
 spot on Conc. Abutment West Car. Bridge  
 at 24+00 BK 7 Pg 2

**#19 E. W. BAILEY & CO.**  
 (SO. FT. 36102) STA 775+41-776+082  
 W.D. 12/15/58  
 REC. WATERBURY, PG 27, 28, 29, 30, 31, 32  
 BM # 120 Sta 775+41  
 spot on Conc. Abutment West Car. Bridge  
 El. 433.04 56' LT

**# 20B FRED A. JEWETT ESTATE**  
 (A. O. 161) STA 775+20-780+222  
 REC. SEE PARCEL (A)

**# 20C FRED A. JEWETT ESTATE**  
 (A. O. 122) STA 775+54-780+507  
 REC. SEE PARCEL (A)

**# 12A VILLAGE OF WATERBURY**  
 (A. O. 521) STA 774+82-780+762  
 REC. SEE PARCEL (A)

**ARMORY**

**WHITE PINE**

**SHAPER BIRCH**

**WOODS**

**WOODS**

**WOODS**

**WOODS**

**WOODS**

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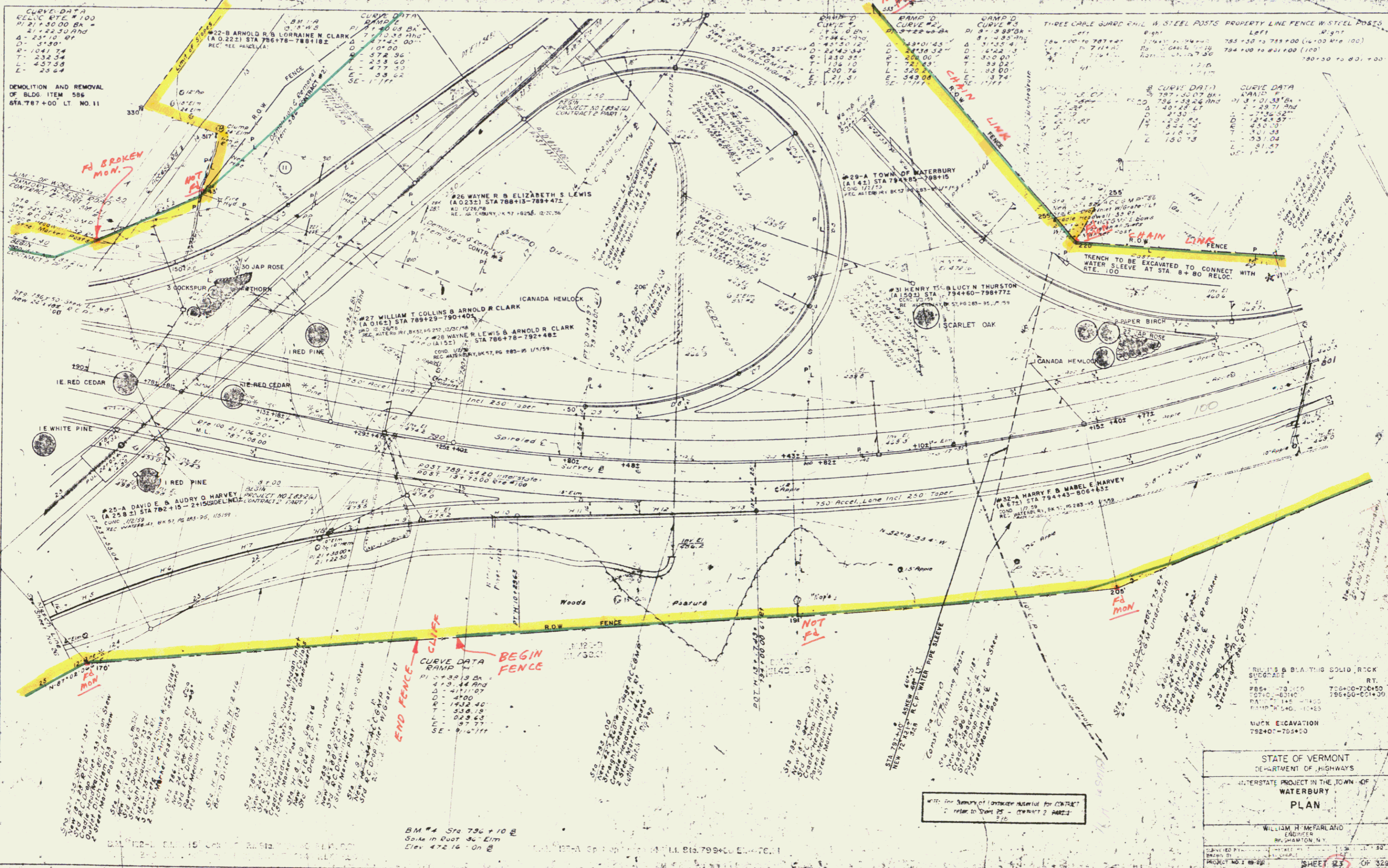
STATE OF VERMONT  
 DEPARTMENT OF HIGHWAYS  
 INTERSTATE PROJECT IN THE TOWN OF  
 WATERBURY  
 PLAN  
 WILLIAM H. McFARLAND  
 ENGINEER  
 BURLINGTON, VT

SURVEYED BY: [ ] CHECKED BY: [ ] SCALE: [ ]  
 DRAWN BY: [ ] IN CHARGE: [ ] DATE: [ ]  
 PROJECT NO.: [ ] SHEET 20 OF 20

See also QCD to Dalley 1/14/97 BK 8 Pg 238-240

CURVE DATA  
 RADIUS 100  
 PI 21+50.00 BA -  
 Δ 23° 10' 00"  
 D 57.50  
 L 104.74  
 T 232.34  
 E 457.58  
 L 23.69

DEMOLITION AND REMOVAL  
 OF BLDG ITEM 585  
 STA. 787+00 LT. NO. 11



CURVE DATA  
 RADIUS 100  
 PI 21+50.00 BA -  
 Δ 23° 10' 00"  
 D 57.50  
 L 104.74  
 T 232.34  
 E 457.58  
 L 23.69

CURVE DATA  
 RADIUS 100  
 PI 21+50.00 BA -  
 Δ 23° 10' 00"  
 D 57.50  
 L 104.74  
 T 232.34  
 E 457.58  
 L 23.69

CURVE DATA  
 RADIUS 100  
 PI 21+50.00 BA -  
 Δ 23° 10' 00"  
 D 57.50  
 L 104.74  
 T 232.34  
 E 457.58  
 L 23.69

CURVE DATA  
 RADIUS 100  
 PI 21+50.00 BA -  
 Δ 23° 10' 00"  
 D 57.50  
 L 104.74  
 T 232.34  
 E 457.58  
 L 23.69

STATE OF VERMONT  
 DEPARTMENT OF HIGHWAYS  
 INTERSTATE PROJECT IN THE TOWN OF  
 WATERBURY  
 PLAN

WILLIAM H. McFARLAND  
 ENGINEER  
 BURLINGTON, V.T.

PROJECT NO. 18-59 SHEET 25 OF 329

**SPIRAL CURVE DATA**

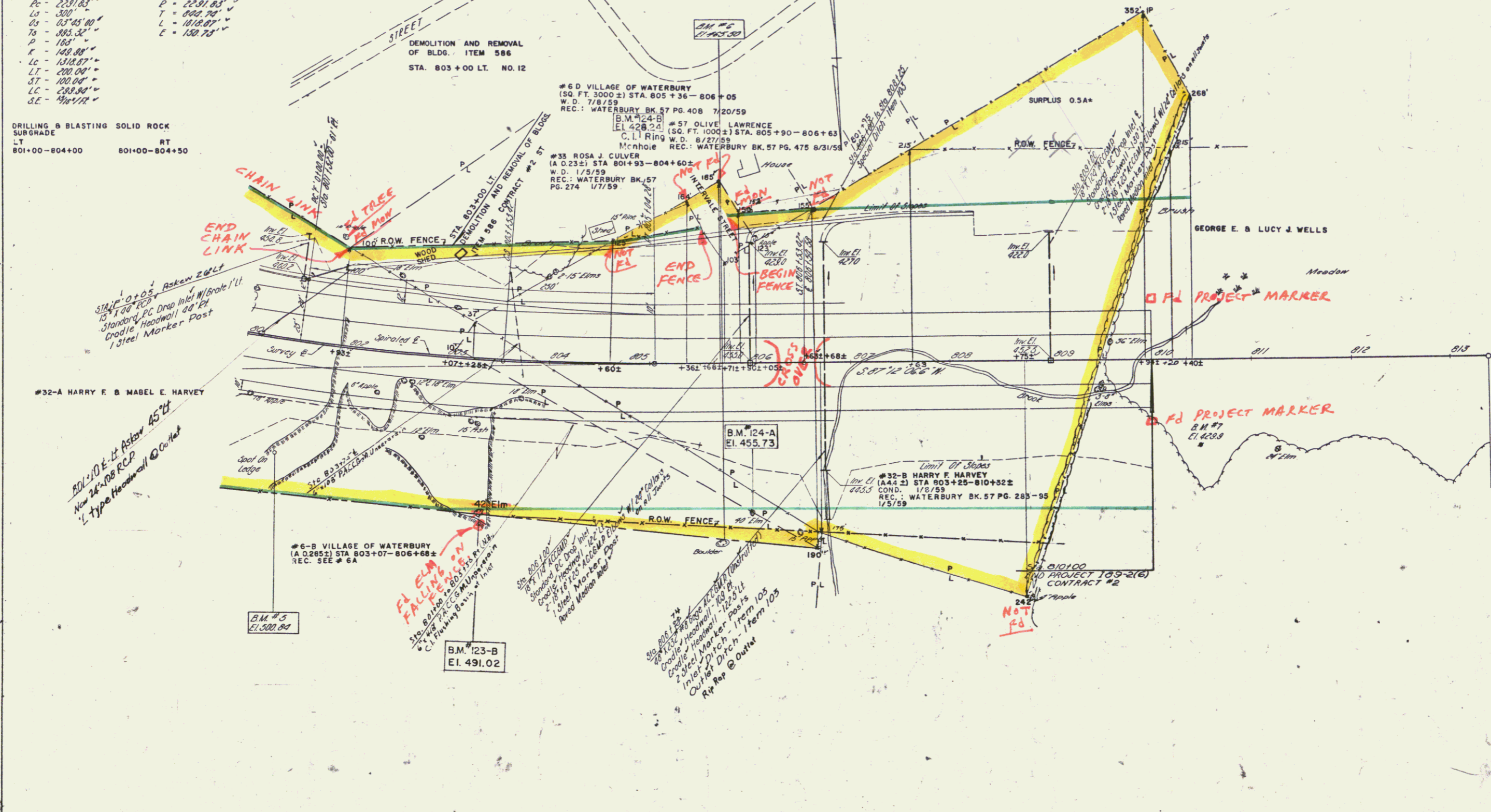
PI 787+30.07	DI 787+30.07
780+150.00	708+150.00
LT 80+00	D = 40°20'00"
DC 82°30'00"	D = 0°20'00"
PC 220+00	P = 2291.85'
LC 300'	T = 800.74'
TS 83°45'00"	L = 1018.87'
TE 883.32'	E = 100.78'
P = 180'	
R = 148.88'	
LC = 1518.87'	
LT = 200.00'	
ST = 100.00'	
LC = 200.00'	
SE = 100.00'	

DEM. & REM. OF BUILDINGS  
903+00 LT.

PROPERTY LINE FENCE W/ STEEL PASSES  
LEFT Sta 801+00 to Sta 810+00  
RIGHT Sta 801+00 to Sta 810+00

THREE CABLE GUARD RAIL W/ STEEL PASSES  
LEFT Sta 803+50 to Sta 810+00  
RIGHT Sta 803+50 to Sta 810+00

DRILLING & BLASTING SOLID ROCK  
SUBGRADE  
LT 801+00-804+00 RT 801+00-804+50



BM #3 Sta. 801+42 @  
Spot on ledge  
Elev 300.04 - 116.14'

BM #4 Sta. 805+67 @  
Spot on 2" C.I. Doublet  
Elev 485.50 - 102.14'

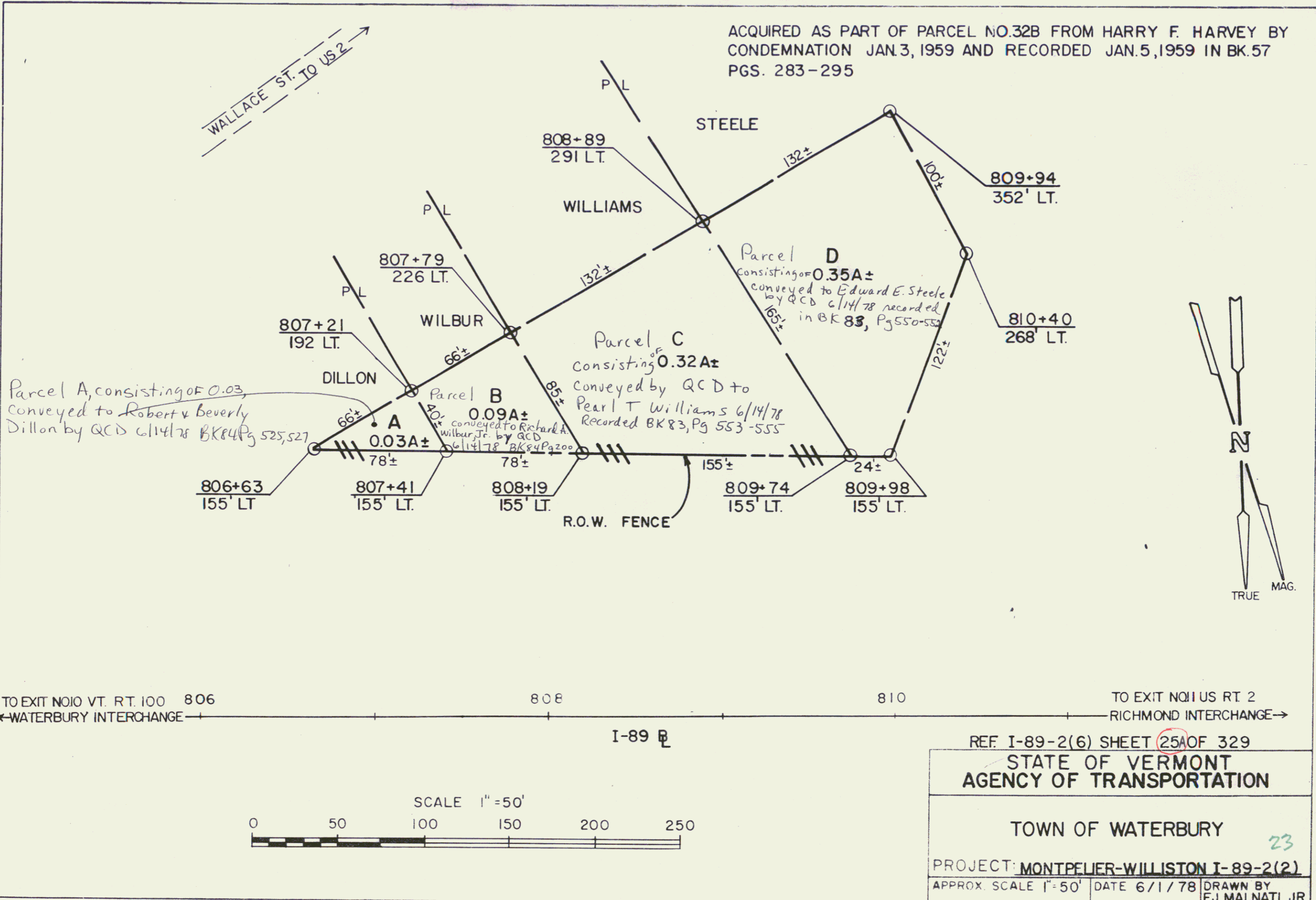
BM #123-B S.I.R. 42" Elm 155' Rt. Sta. 803+40 El. 491.02

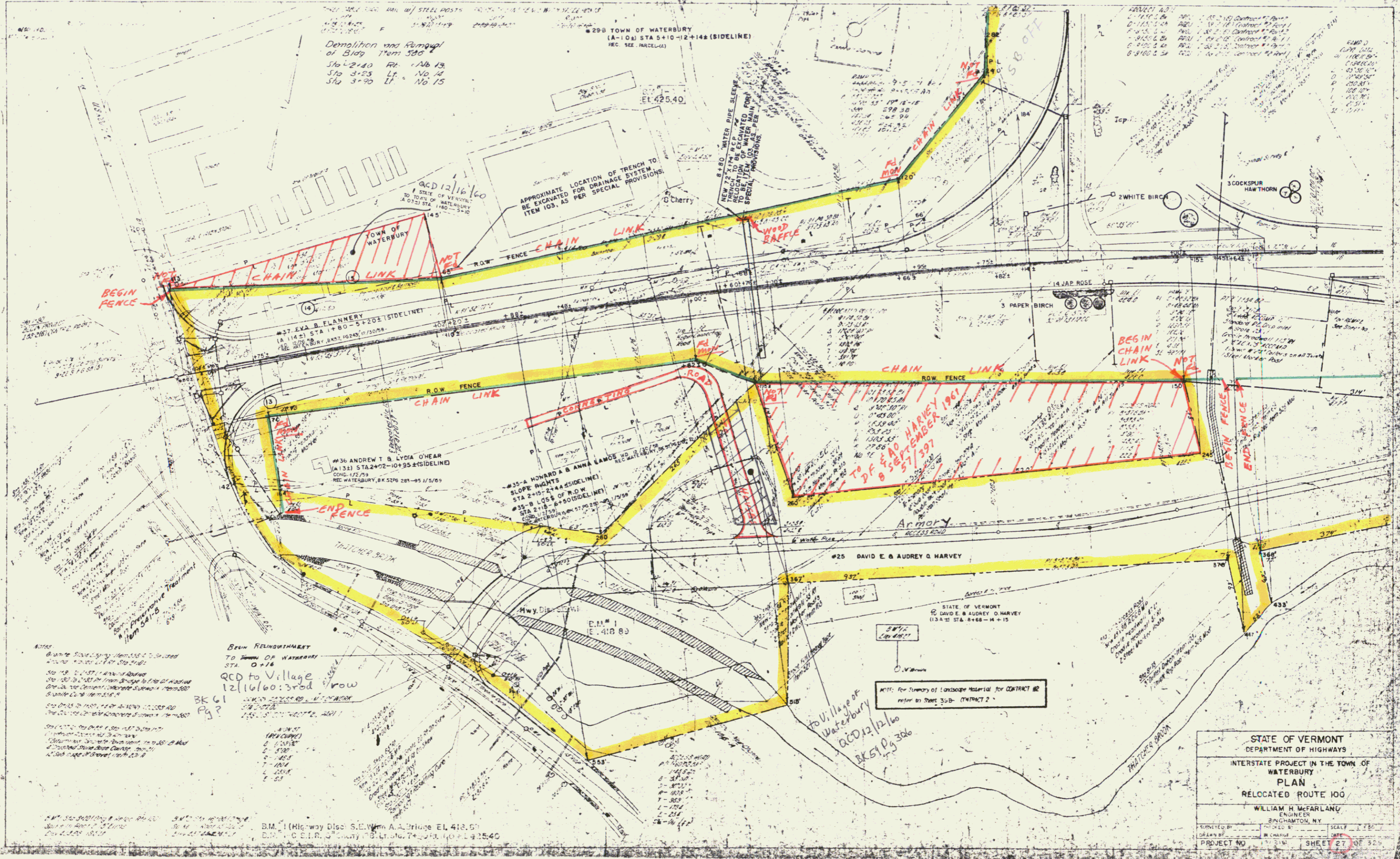
BM #124-A S.I.R. 36" Elm 140' Rt. Sta. 806+00 El. 455.73

BM #124-B C.I. Ring Manhole 230' Lt. Sta. 804+90 El. 428.24

STATE OF VERMONT DEPARTMENT OF HIGHWAYS	
INTERSTATE PROJECT IN THE TOWN OF WATERBURY PLAN	
WILLIAM H. McFARLAND ENGINEER BINGHAMTON, N. Y.	
SUPERVISED BY	CHECKED BY
DRAWN BY	DATE
PROJECT NO. I 81-218	SHEET 25 OF 329
P/L'S REVISED 4/21/59 <i>SLC</i>	

ACQUIRED AS PART OF PARCEL NO.32B FROM HARRY F. HARVEY BY  
 CONDEMNATION JAN.3, 1959 AND RECORDED JAN.5, 1959 IN BK.57  
 PGS. 283-295





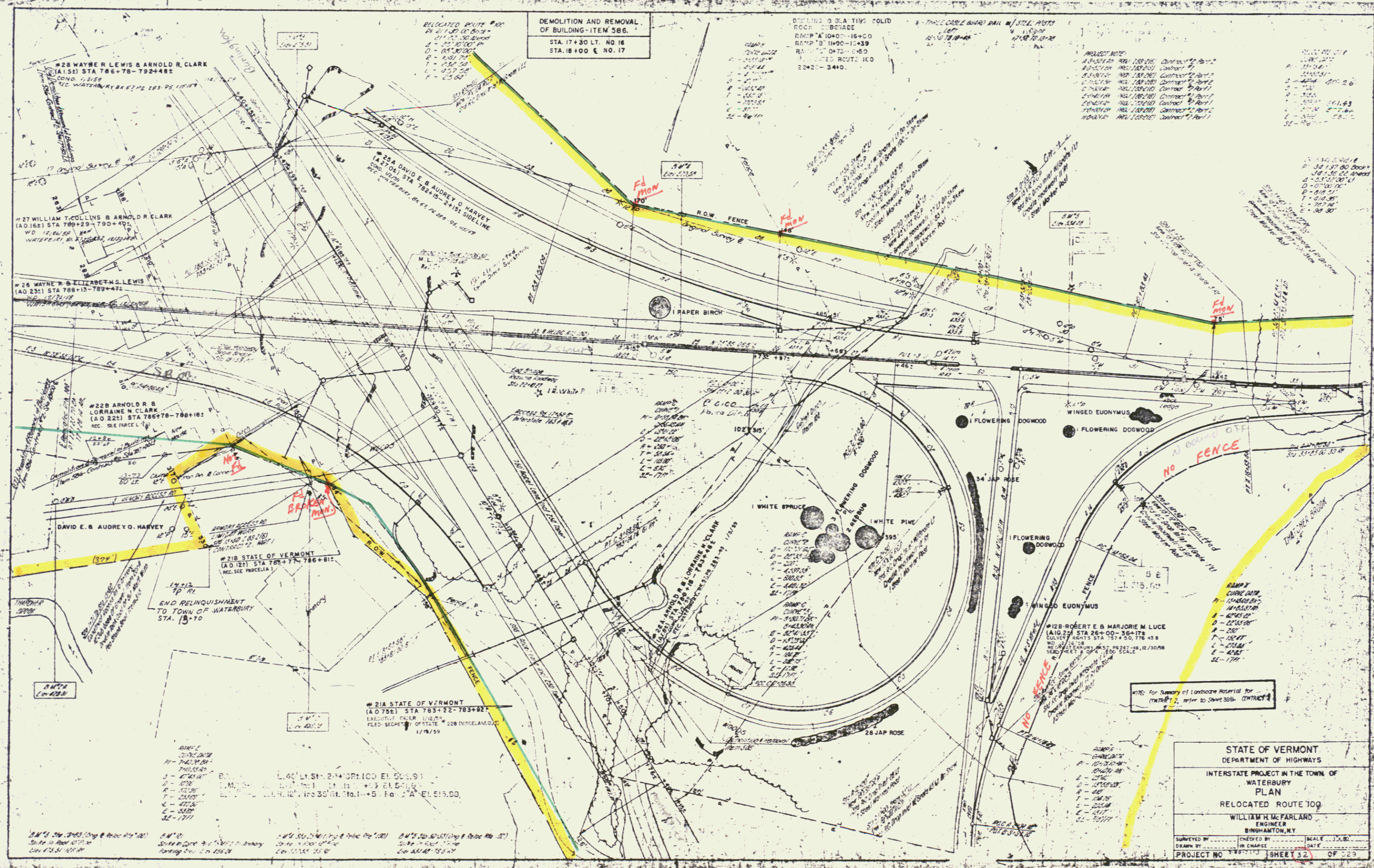
Notes:  
 1. White Stone...  
 2. No. 10...  
 3. No. 12...  
 4. No. 14...  
 5. No. 16...  
 6. No. 18...  
 7. No. 20...  
 8. No. 22...  
 9. No. 24...  
 10. No. 26...  
 11. No. 28...  
 12. No. 30...  
 13. No. 32...  
 14. No. 34...  
 15. No. 36...  
 16. No. 38...  
 17. No. 40...  
 18. No. 42...  
 19. No. 44...  
 20. No. 46...  
 21. No. 48...  
 22. No. 50...  
 23. No. 52...  
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 26. No. 58...  
 27. No. 60...  
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 31. No. 68...  
 32. No. 70...  
 33. No. 72...  
 34. No. 74...  
 35. No. 76...  
 36. No. 78...  
 37. No. 80...  
 38. No. 82...  
 39. No. 84...  
 40. No. 86...  
 41. No. 88...  
 42. No. 90...  
 43. No. 92...  
 44. No. 94...  
 45. No. 96...  
 46. No. 98...  
 47. No. 100...

Begin Relinquishment  
 to Town of Waterbury  
 STA 0+14  
 RCD to Village  
 12/16/60: 3rod  
 BK 61  
 Pg?

to Village of  
 Waterbury  
 RCD 12/16/60  
 BK 51 Pg 306

STATE OF VERMONT  
 DEPARTMENT OF HIGHWAYS  
 INTERSTATE PROJECT IN THE TOWN OF  
 WATERBURY  
 PLAN  
 RELOCATED ROUTE 100  
 WILLIAM H. MCFARLAND  
 ENGINEER  
 BURLINGTON, N.Y.  
 SUBMITTED BY: \_\_\_\_\_ IN CHARGE: \_\_\_\_\_ SCALE: 1" = 200'  
 DRAWN BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PROJECT NO. \_\_\_\_\_ SHEET 27 OF 32





#28 WAYNE R. LEWIS & ARNOLD R. CLARK  
(A.D. 152) STA 786+78-792+482  
TOWN WATERBURY, VERMONT

#27 WILLIAM T. COLLINS & ARNOLD R. CLARK  
(A.D. 162) STA 789+29-790+40  
W.D. 11.61.55 WATERBURY, VERMONT

#26 WAYNE R. & ELIZABETH S. LEWIS  
(A.D. 231) STA 786+15-789+472  
TOWN WATERBURY, VERMONT

#22B ARNOLD R. & LORRAINE N. CLARK  
(A.D. 221) STA 786+78-788+182  
REC. SEE PARCEL L

DAVID E. & AUDREY O. HARVEY  
12/1/59

#21B STATE OF VERMONT  
(A.D. 122) STA 788+77-786+812  
REC. SEE PARCEL L

#21A STATE OF VERMONT  
(A.D. 751) STA 783+22-783+92  
EXECUTIVE ORDER 1/22/77  
FILED - SIGHTING OF ORIGIN - 228 (NORFOLK COUNTY)  
1/19/59

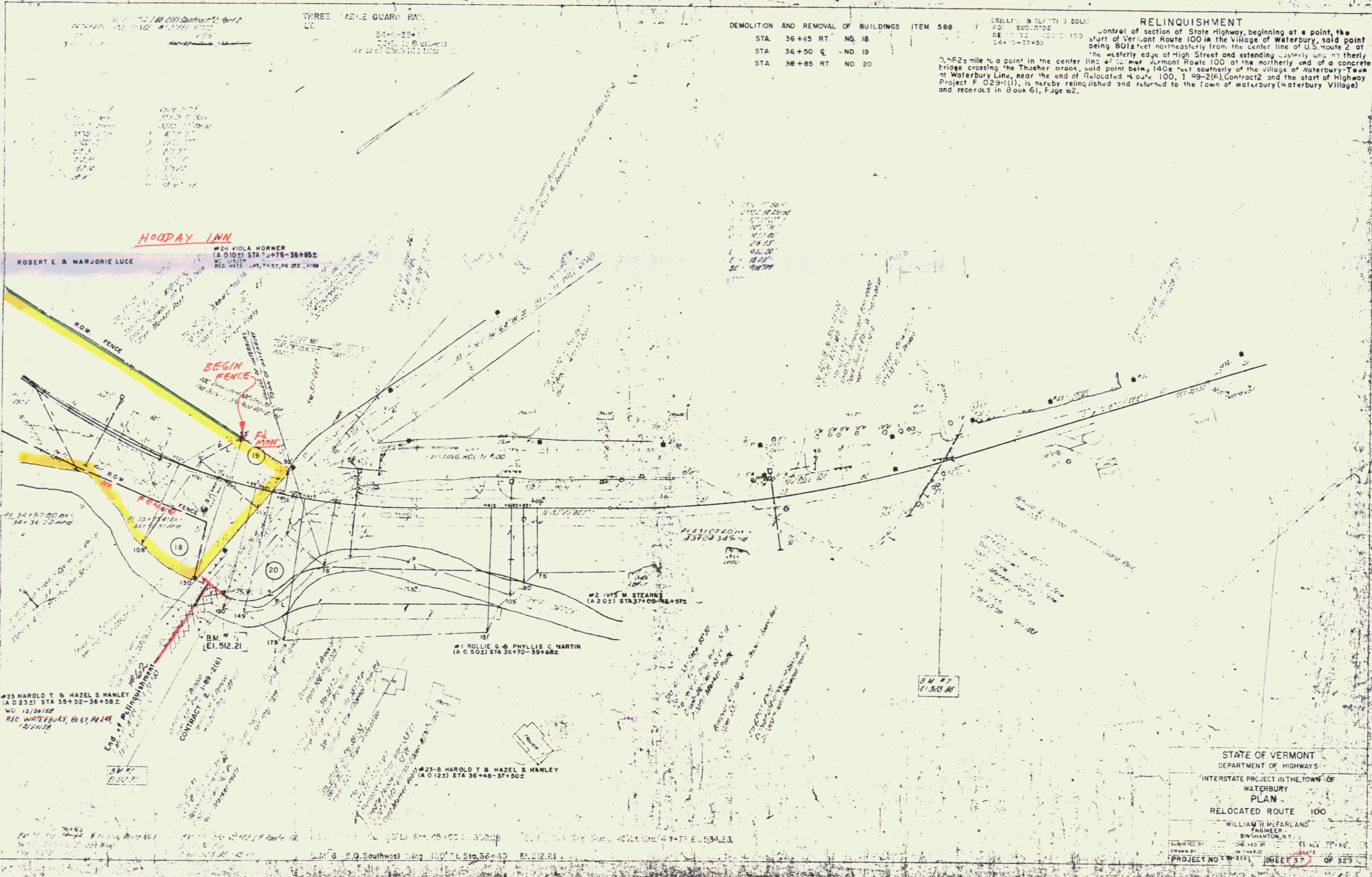
DEMOLITION AND REMOVAL  
OF BUILDING - ITEM 586  
STA. 17+30 LT. NO. 16  
STA. 18+00 E. NO. 17

DEMOLITION & REMOVAL  
OF SOLID  
ROCK - STAGE  
RAMP A 10400-18+00  
RAMP B 11900-12+39  
RAMP C 0470-0+50  
RELOCATED ROUTE 100  
22421-3410.

PROJECT NOTES:  
A.D. 152-20 (A.D. 152-20) Contract 2 Part 1  
A.D. 152-20 (A.D. 152-20) Contract 2 Part 2  
A.D. 152-20 (A.D. 152-20) Contract 2 Part 3  
A.D. 152-20 (A.D. 152-20) Contract 2 Part 4  
A.D. 152-20 (A.D. 152-20) Contract 2 Part 5  
A.D. 152-20 (A.D. 152-20) Contract 2 Part 6  
A.D. 152-20 (A.D. 152-20) Contract 2 Part 7  
A.D. 152-20 (A.D. 152-20) Contract 2 Part 8  
A.D. 152-20 (A.D. 152-20) Contract 2 Part 9  
A.D. 152-20 (A.D. 152-20) Contract 2 Part 10

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS  
INTERSTATE PROJECT IN THE TOWN OF  
WATERBURY  
PLAN  
RELOCATED ROUTE 100  
WILLIAM H. McFARLAND  
ENGINEER  
BINGHAMTON, N.Y.

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_ SCALE: \_\_\_\_\_  
PROJECT NO. \_\_\_\_\_ SHEET 32 OF 123



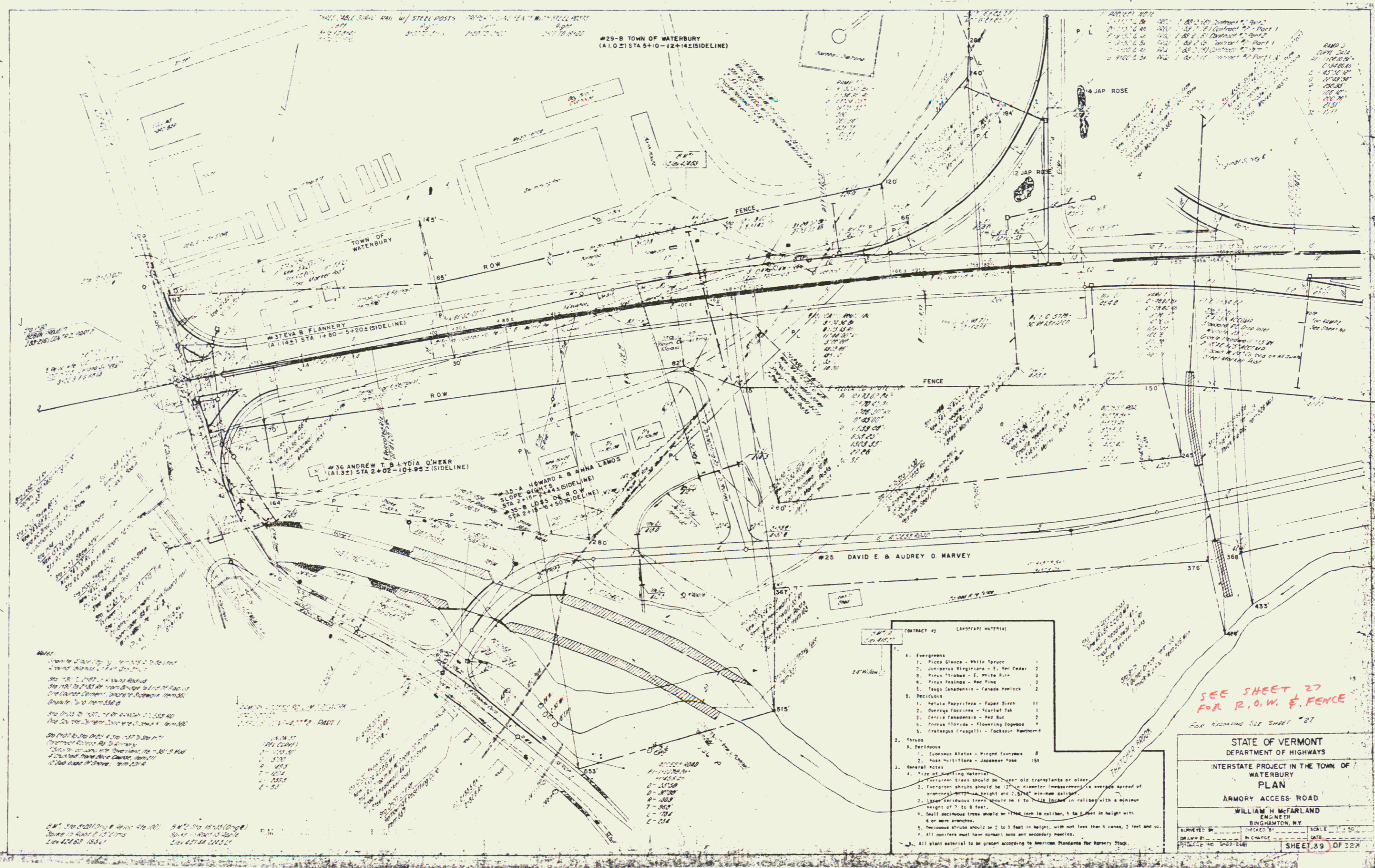
DEMOLITION AND REMOVAL OF BUILDINGS ITEM 588  
 STA 36+45 RT. NO. 18  
 STA 36+50 E. NO. 19  
 STA 38+85 RT. NO. 20

GRILLING & OLIVETTI ENGINEERS  
 200 S. BURLINGTON ST.  
 BURLINGTON, VERMONT 05401  
 PROJECT NO. 100  
 SHEET 37 OF 329

**RELINQUISHMENT**  
 Control of section of State highway, beginning at a point, the start of Vermont Route 100 in the village of Waterbury, said point being 80 1/2 feet northeasterly from the center line of U.S. Route 2, at the westerly edge of High Street and extending easterly and northerly 0.462 mile to a point in the center line of former Vermont Route 100 at the northerly end of a concrete bridge crossing the Thayer brook, said point being 140 feet southerly of the village of Waterbury-Town of Waterbury Line, near the end of Relocated Route 100, 1-89-2(6), Contract 2 and the start of Highway Project F 029-1(1), is hereby relinquished and returned to the Town of Waterbury (Waterbury Village) and recorded in Book 61, Page 62.

STATE OF VERMONT  
 DEPARTMENT OF HIGHWAYS  
 INTERSTATE PROJECT IN THE TOWN OF  
 WATERBURY  
 PLAN  
 RELOCATED ROUTE 100  
 WILLIAM H. MCFARLAND  
 ENGINEER  
 BURLINGTON, N.Y.  
 PROJECT NO. 100 SHEET 37 OF 329





CONTRACT NO. LANDSCAPE MATERIAL

- Evergreens
  - Picea Glauca - White Spruce 1
  - Juniperus Virginiana - E. Red Cedar 1
  - Pinus Strobus - E. White Pine 3
  - Pinus Resinosa - Red Pine 2
  - Taxus Canadensis - Canada Hemlock 2
- Deciduous
  - Metula Populifera - Paper Birch 11
  - Quercus Falcata - Scarlet Oak 1
  - Cercocarpus Canadensis - Red Bud 2
  - Fraxinus Floridana - Flowering Dogwood 4
  - Fraxinus Fragilis - Rockway Hawthorn 4
- Shrubs
  - Loquax Glauca - Winged Locust 8
  - Rosa Multiflora - Japanese Rose 15
- General Notes
  - Size of planting material
  - Evergreen trees should be 10" or older transplants or older.
  - Evergreen shrubs should be 12" diameter (measured in average spread of principal stems) height and 2.5" minimum caliper.
  - Large deciduous trees should be 4" to 12" caliper in radius with a minimum height of 7 to 8 feet.
  - Small deciduous trees should be 1 1/2" to 2" caliper, 5 to 6 feet in height with 4 or more branches.
  - Deciduous shrubs should be 2 to 3 feet in height, with not less than 4 canes, 2 feet and up.
  - All cultivars must have normal base and secondary canes.
  - All plant material to be grown according to American Standards for Nursery Stock.

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS  
INTERSTATE PROJECT IN THE TOWN OF  
WATERBURY  
PLAN  
ARMORY ACCESS ROAD  
WILLIAM H. McFARLAND  
ENGINEER  
SINGHAMTON, N.Y.

SHEET 27 OF 22

SEE SHEET 27  
FOR R.O.W. & FENCE  
FOR REMAINING SEE SHEET #28

