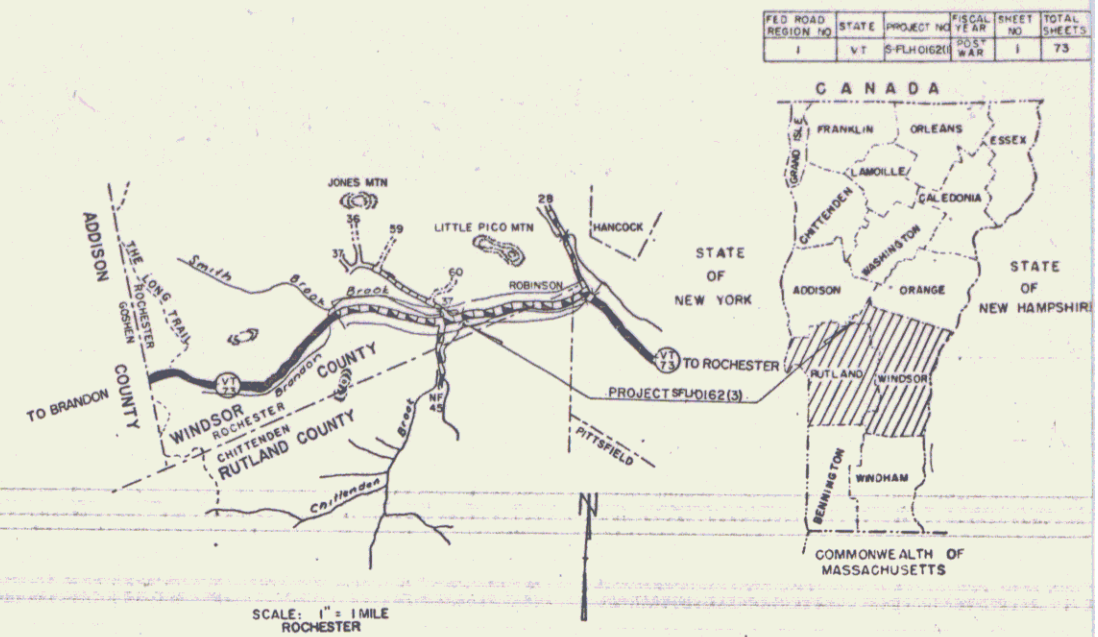


INDEX OF SHEETS

SHEET NO.	1	TITLE SHEET	
	2	TYPICAL CROSS-SECTION OF IMPROVEMENT (1 1/2" RETURNING CONCRETE PAVEMENT MODIFIED SPECIFIC COURSE MIX)	
	3	QUANTITY SHEET	
4-4b	4-9	ITEM DETAIL AND DRAINAGE SHEETS	EXTRA SHEETS
5-9	5-9	EARTHWORKS	9-A-E FINAL EARTHWORKS
	10	B-1 (BANKING TABLES)	45-A & B, 46A, 47A, 54A, 55A, 62A, 63A & B,
	11	B-5 (TYPICAL SLOPE GRADING)	64 A, B, C & D EXTRA CROSS SECTIONS
	12	B-6 (MUCK EXCAVATION)	
	13	C-1 (TREATED TIMBER CURB)	
	14	D-2 (HEADWALLS AND UNDERDRAIN)	
	15	D-4 (SPECIAL ELBOWS)	
	16	D-8 (REINFORCED CONCRETE DROP INLET)	
	17	D-16 (CAST IRON GRATE, TYPE B)	
	18	E-1 (BARRICADES, SIGNS AND LIGHTS)	
	19	E-2 (BARRICADES, SIGNS AND LIGHTS FOR BRIDGES)	
	20	E-9 (FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS)	
	21	G-2a (TWO CABLE GUARD RAIL)	
	22	G-2b (DEAD END ANCHORS)	
	22a	G-3 (THREE CABLE GUARD RAIL)	
	23	G-4 (MARKER POSTS AND GUIDE POSTS)	
	24	J-1 (PROJECT MARKERS AND BOUNDARY MARKERS)	
24a	SB-20-60		
24b	SB-21-56		
25-36	PLAN AND PROFILE S		
37-41	DETAILS OF BRIDGE WIDENING		
42-68	CROSS SECTIONS		
69-70	CHANNEL SECTIONS		
71-73	BANKING TRANSITION DIAGRAMS		

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
PROPOSED IMPROVEMENT

TOWNS OF ROCHESTER & CHITTENDEN
COUNTIES OF WINDSOR & RUTLAND
VERMONT ROUTE #73
BRANDON ROCHESTER ROAD



PROJECT NAME & NUMBER	TYPE	PAVT. AREA
ROCHESTER-CHITTENDEN S-FLH 0162(3)	BIT. CONC.	33,785 S Y

RECORD PLANS MATERIALS	
SUBBASE OF CRUSHED GRAVEL COARSE GRADED-KING PIT-ROCHESTER, VT.	
SUBBASE OF SAND - J.P. CARRARA & SONS, INC. - RUTLAND, VT.	
CUTBACK ASPHALT - MOBIL OIL CO. - PROVIDENCE, R. I.	
CONCRETE CLASS B - AMERSON READY MIX - WATERBURY, VT.	
REINFORCING STEEL - JOHN T. RYERSON & SON, INC. - BOSTON, MASS.	
REINFORCED CONCRETE PIPE - MARTIN MARIETTA CO. - WINDSOR, VT.	
ASPH. CTD. CORR. GALV. METAL PIPE - NEW ENGLAND METAL CULVERT CO. - FLORENCE, VT.	
ELEVATION - WHITE RIVER JCT., VT.	
PREC. R.C. CURB D.I. W/C GRATE & FRAME, GUARD RAIL, TREATED TIMBER CURB & WOOD GUIDE POSTS - S.T. GRISWOLD & CO., INC. - WILLISTON, VT.	
BITUMINOUS CONCRETE - W.M. PIKE & SON, INC. (PLANT) - FLORENCE, VT.	

BEGINNING AT A POINT 2.44 MILES EASTERLY OF THE GOSHEN, ROCHESTER TOWN LINE AND EXTENDING EASTERLY 2.617 MILES TO THE HAMLET OF ROBINSON.
LENGTH OF ROADWAY 13,782.2+2.610 MILES
LENGTH OF BRIDGE 38.9+0.007 MILES
LENGTH OF PROJECT 13,821.1+2.617 MILES

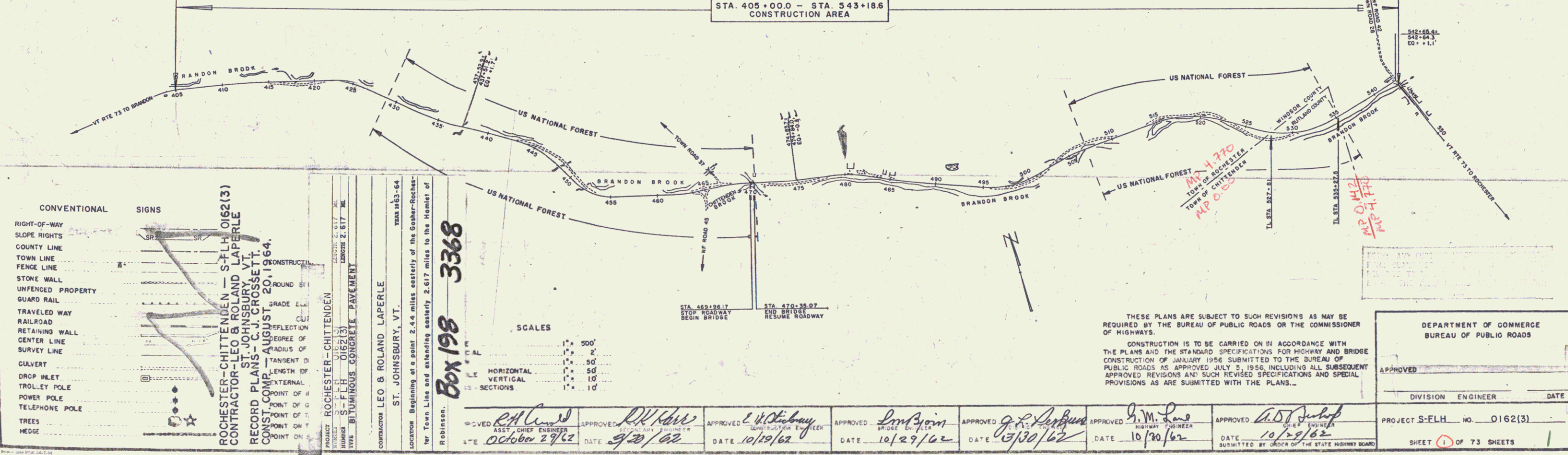
1960 ADT	= 120-140
1980 ADT	= 170-200
1980 DHV	= 45
D	= 67%
T	= 9%
V	= 40 MPH

BENCH MARK DATA FROM U.S.G.S.
STA. 405+00.0
PROJECT S-FLH 0162(3) BEGIN PROJECT EXTENSION ENDS
STA. 405+00.0
PROJECT S-FLH 0162(3) END PROJECT EXTENSION ENDS

CONTRACTOR - LEO B. ROLAND LAPERLE, ST. JOHNSBURY, VT.
RESIDENT ENGINEER - C. J. CROSSETT, ST. JOHNSBURY, VT.
INSPECTOR - M. ROGERS & F. THORNE, ST. JOHNSBURY, VT.
RECORD PLANS - C. J. CROSSETT.
CONTRACT DATED - APRIL 24, 1963.
STARTED - APRIL 29, 1963.
COMPLETED - AUG. 20, 1964.
ACCEPTED - AUG. 20, 1964.

Project: S-FLH 0162(3)
Plan: 00R421
Date: 10/30/62

RIGHT-OF-WAY DIVISION
TOWN FILE
PERPETUAL
Town of VT #73
MP 4.920
(To Be Returned To R.O.W. Division)



CONVENTIONAL SIGNS

- RIGHT-OF-WAY
- SLOPE RIGHTS
- COUNTY LINE
- TOWN LINE
- FENCE LINE
- STONE WALL
- UNFENCED PROPERTY
- GUARD RAIL
- TRAVELED WAY
- RAILROAD
- RETAINING WALL
- CENTER LINE
- SURVEY LINE
- CULVERT
- DROP INLET
- TROLLEY POLE
- POWER POLE
- TELEPHONE POLE
- TREES
- HEDGE

ROCHESTER-CHITTENDEN - S-FLH 0162(3)
CONTRACTOR - LEO B. ROLAND LAPERLE
RECORD PLANS - C. J. CROSSETT
CONST. COMP. - AUGUST 20, 1964.

ST. JOHNSBURY, VT.
Box 198 3368
Location: Beginning at a point 2.44 miles easterly of the Goshen-Rochester Town Line and extending easterly 2.617 miles to the Hamlet of Robinson.

SCALES

1" = 500'
1" = 50'
1" = 10'
1" = 10'

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER OF HIGHWAYS.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION OF JANUARY 1956 SUBMITTED TO THE BUREAU OF PUBLIC ROADS AS APPROVED JULY 5, 1956, INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED _____
DIVISION ENGINEER DATE _____

PROJECT S-FLH NO. 0162(3)
SHEET 1 OF 73 SHEETS

APPROVED <i>C.A. Lewis</i> DATE 10/29/62	APPROVED <i>R.K. Howe</i> DATE 9/30/62	APPROVED <i>E. H. O'Leary</i> DATE 10/19/62	APPROVED <i>Sam Brown</i> DATE 10/29/62	APPROVED <i>G.P. Sullivan</i> DATE 10/30/62	APPROVED <i>J.M. Lane</i> DATE 10/30/62	APPROVED <i>A.D. Julek</i> DATE 10/29/62
---	---	--	--	--	--	---

CONSTRUCTION NOTES
 ROCK FILLS ARE TO BE MADE WITH
 EXCAVATION ON THE PROJECT. NO
 FILL COMPENSATION WILL BE
 MADE FOR THIS ITEM

"SUB-BASE OF GRAVEL, ITEM 3014"
 SHALL BE USED TO STABILIZE CUT SLOPES
 AS INDICATED ON THE PLANS OR AS ORDERED
 BY THE ENGINEER

ALL DRIVES WILL HAVE A MINIMUM
 12' WIDTH AND 15' FLARE RADIUS

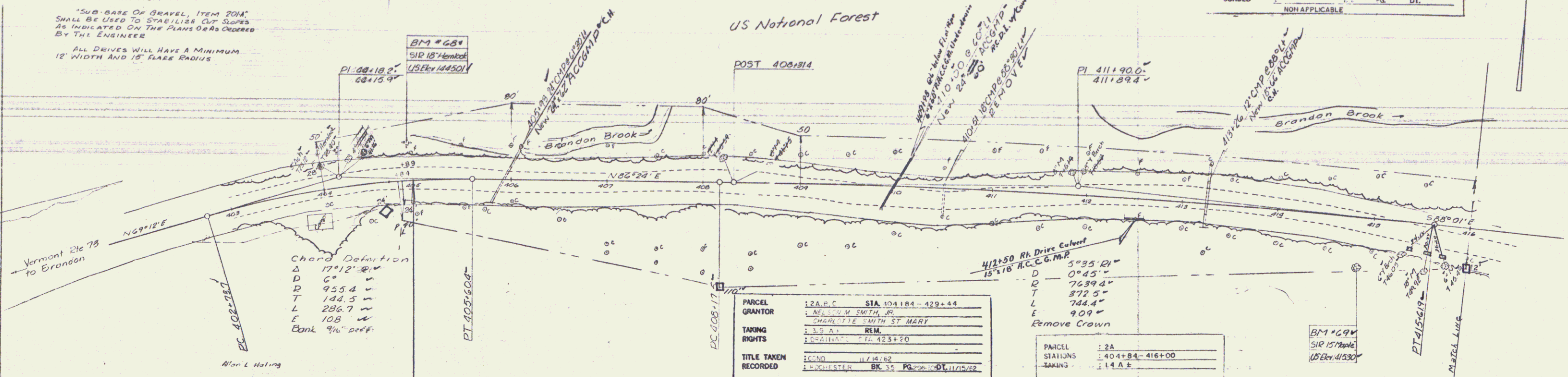
TWO CABLE GUARD RAIL
 LF
 405+00-407+04
 407+00-411+22
 413+50-407+90
 409+30-411+33

DRILLING AND BLASTING OF
 SOLID ROCK SUB-GRADE
 406+80-408+35
 410+30-410+30

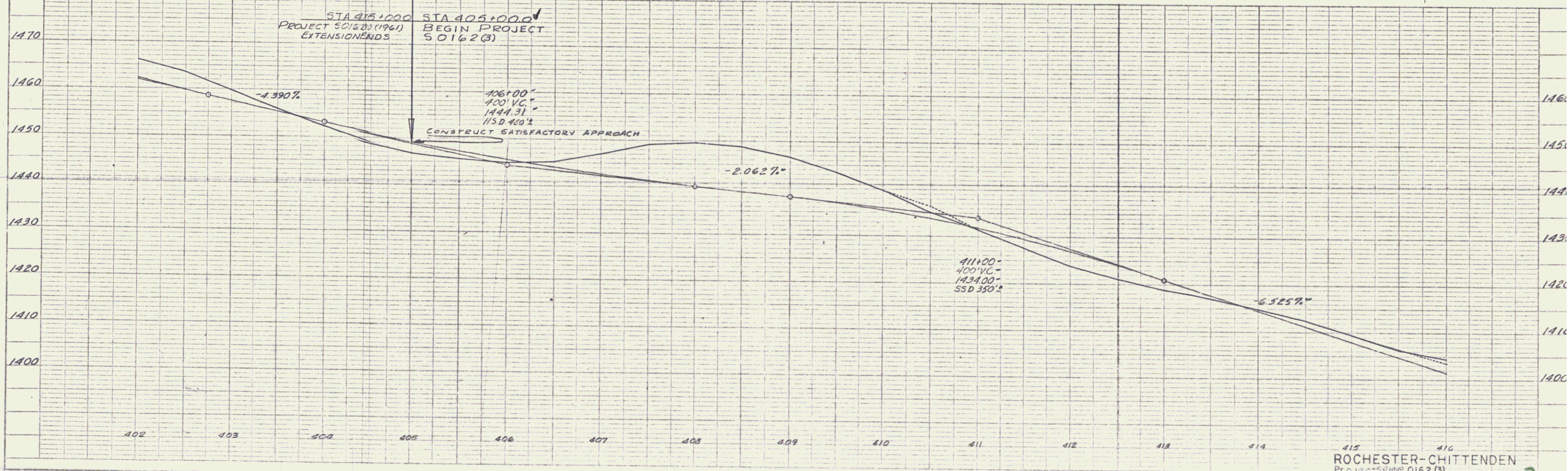
Construct Drives
 412+50 BIV

PARCEL	: 1A	STA 40+100-418+52 ±
GRANTOR	:	GREEN MOUNTAIN NATIONAL FOREST
TAKING RIGHTS	:	1.7 A.1 REM.
TITLE TAKEN	:	SPECIAL USE PERMIT 8/15/62
RECORDED	:	NONAPPLICABLE DT.

PLAN
 DRAWN BY
 CHECKED BY
 DATE
 PROJECT NO.



PROFILE
 DRAWN BY
 CHECKED BY
 DATE
 PROJECT NO.



ROCHESTER-CHITTENDEN
 PROJECT 50162(3)
 SHEET 25 OF 28

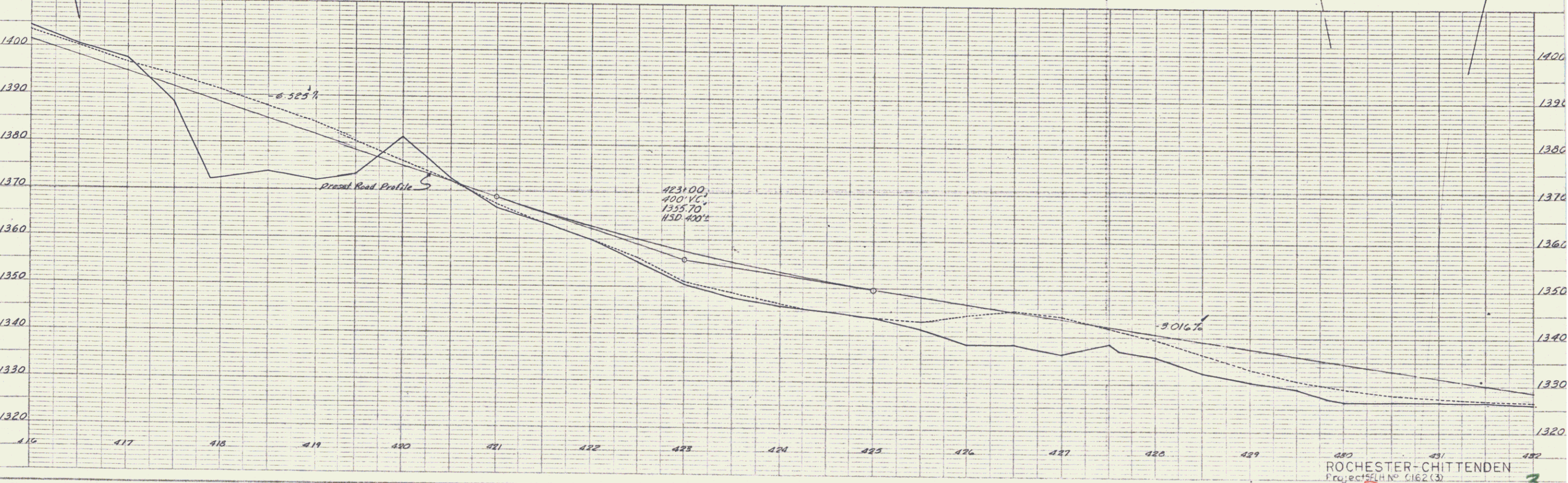
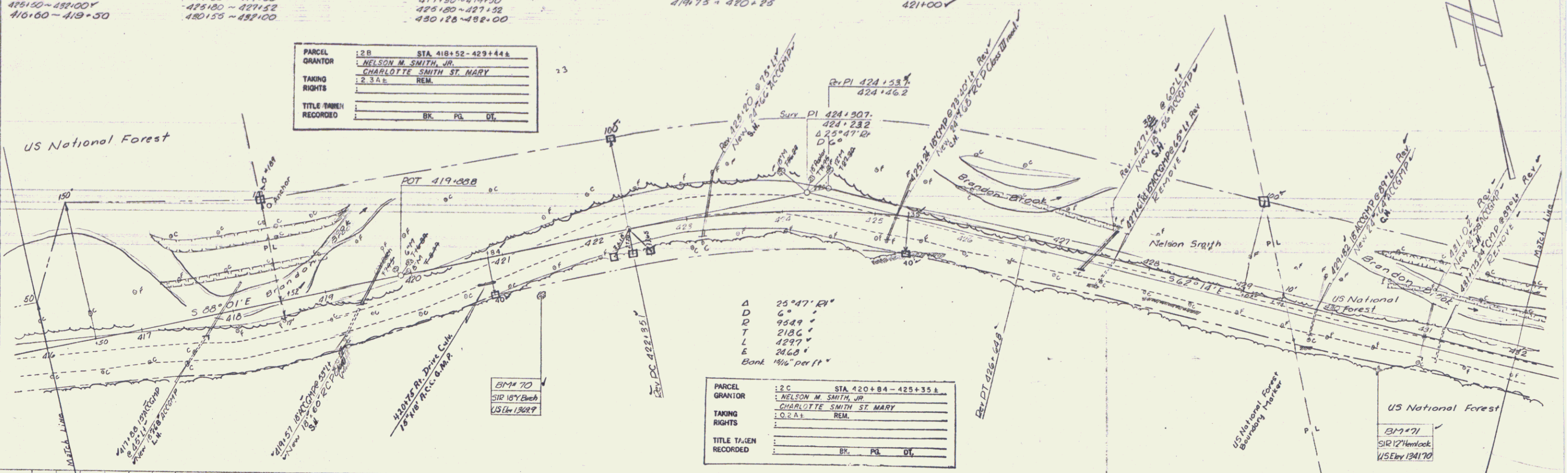
TWO CABLE GUARD RAIL LT 416+00 - 419+50
 UNCLASSIFIED CHANNEL ERECTION LT 417+30 - 419+50
 STONE FILL FOR SLOPE PROTECTION LT 417+80 - 419+50
 DRILLING AND BLASTING OF SOLID ROCK SUB-GRADE 419+75 + 420+25
 CONSTRUCT DRIVE PI 421+00Y

PARCEL	: 2 B	STA. 418+52-429+44±
GRANTOR	: NELSON M. SMITH, JR.	
TAKING RIGHTS	: CHARLOTTE SMITH ST. MARY	
TITLE TA-EM RECORDED	: BK. PG. DT.	

PARCEL	: 2 C	STA. 420+84 - 425+35±
GRANTOR	: NELSON M. SMITH, JR.	
TAKING RIGHTS	: CHARLOTTE SMITH ST. MARY	
TITLE TA-EM RECORDED	: BK. PG. DT.	

PLAN
 DRAWN BY: M. Smith
 CHECKED BY: J. Smith
 DATE: 11/15/19

PROFILE
 DRAWN BY: Manning
 CHECKED BY: Grogan
 DATE: 11/15/19



4895
 ROCHESTER-CHITTENDEN
 Project No. 2162(3)
 Sheet 26 of 3

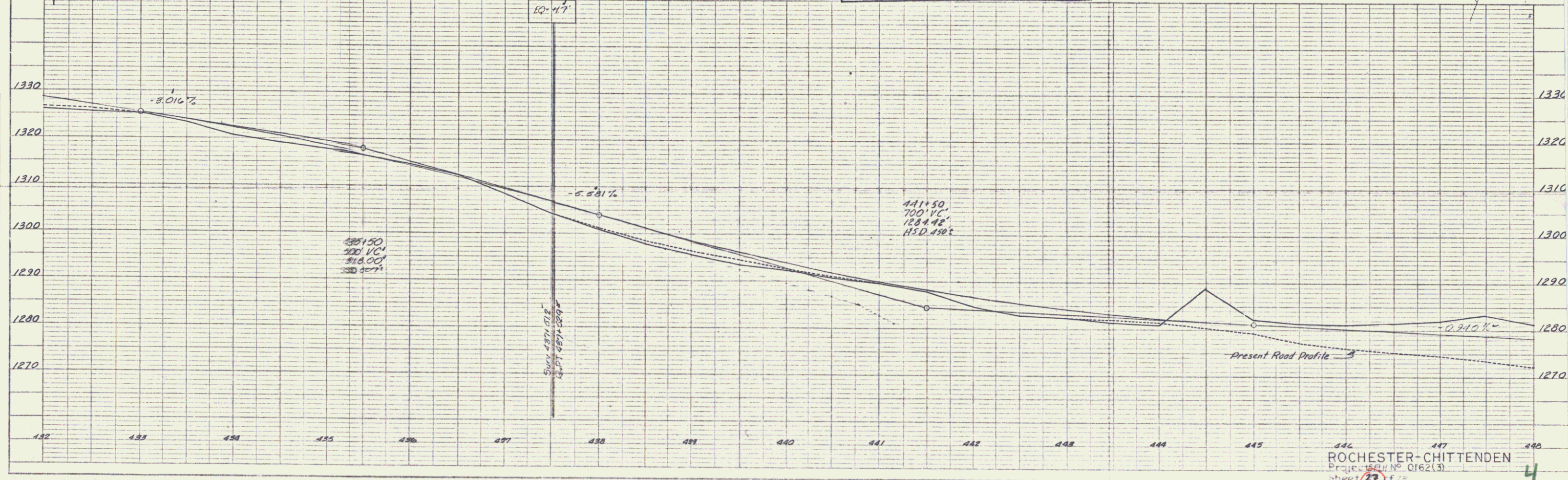
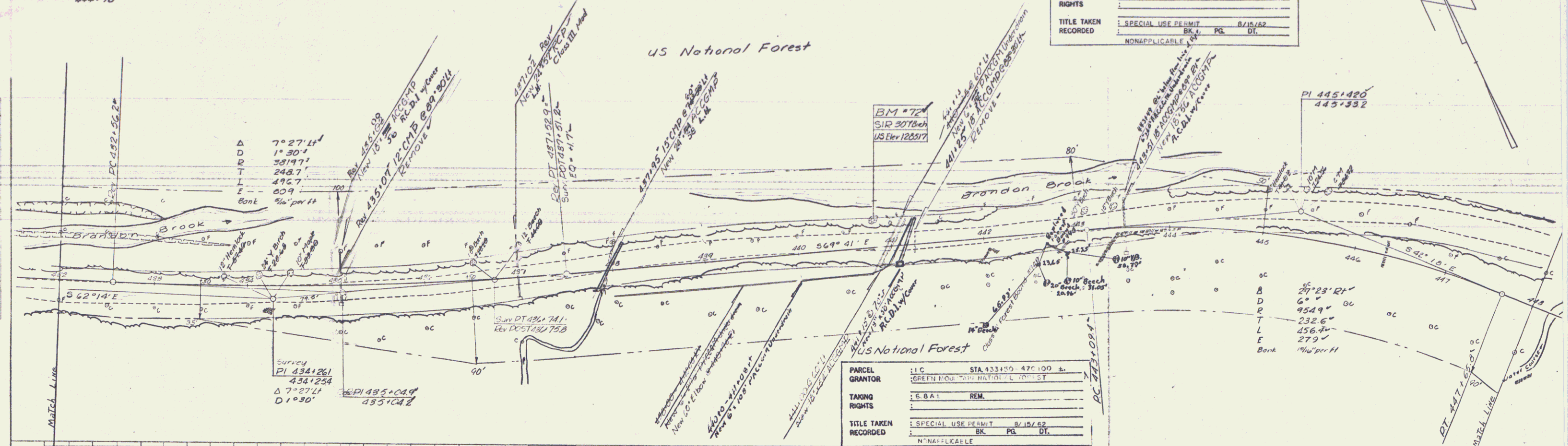
PLATE I PLAN, PROFILE, S.P. & B.L. STANDARD
 REVISIONS: 1. 11/15/19

O CABLE GUARD RAIL
 UNCLASSIFIED CHANNEL ELEVATION
 STONE FILL FOR SLOPE PROTECTION
 DRILLING AND BLASTING
 OF SOLID ROCK SUB-GRADE

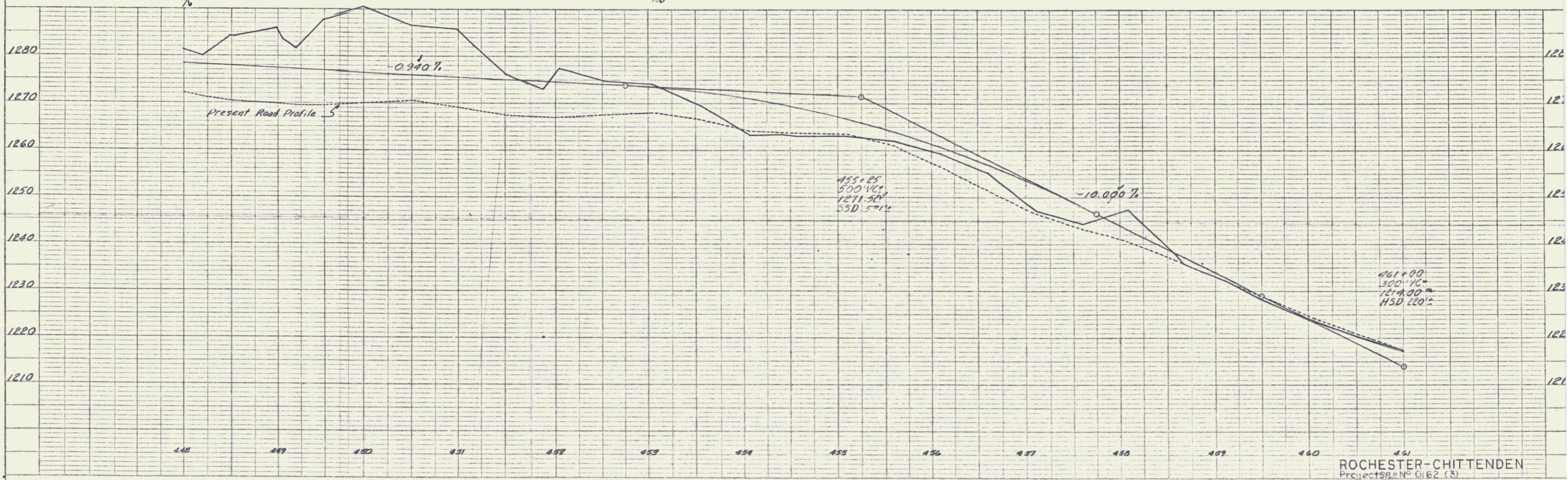
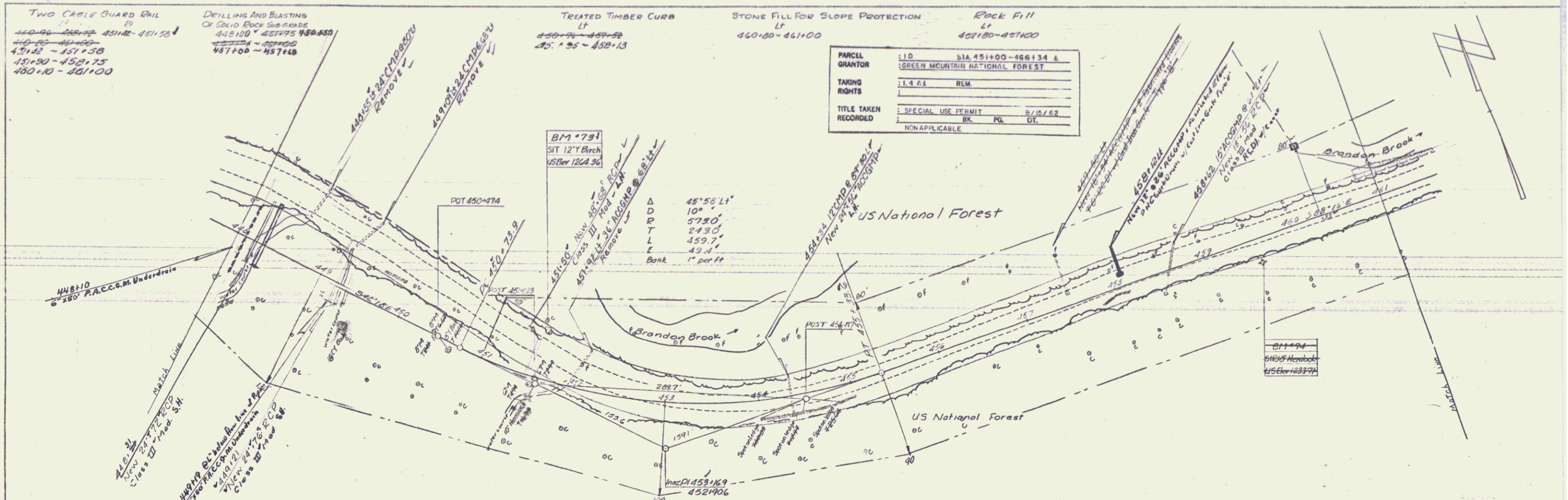
PARCEL	11C	STA. 429+02 - 445+00 ±
GRANTOR	GREEN MOUNTAIN NATIONAL FOREST	
TAKING RIGHTS	E. S. A. 1	REM.
TITLE TAKEN RECORDED	SPECIAL USE PERMIT	8/15/62
	BK. 1	PG. DT.
	NONAPPLICABLE	

PLAN	DATE	BY
REVISIONS		
NO.	DATE	DESCRIPTION
1	7/1/62	INITIAL

PROFILE	DATE	BY
REVISIONS		
NO.	DATE	DESCRIPTION
1	7/1/62	INITIAL



ROCHESTER-CHITTENDEN
 Project No. 0162(3)
 Sheet 27 of 28



PLAN
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 DRAWN BY: [illegible]
 CHECKED BY: [illegible]
 DATE: [illegible]

PROFILE
 PROJECT: [illegible]
 DRAWN BY: [illegible]
 CHECKED BY: [illegible]
 DATE: [illegible]

ROCHESTER-CHITTENDEN
 Project No. 0162 (3)
 Sheet 2 of 7

DRILLING AND BLASTING OF SOLID ROCK SUB-GRADE 461100-461175
 TWO CABLE GUARD RAIL 461175-461180
 STONE FILL FOR SLOPE PROTECTION 461180-462190
 UNCLASSIFIED CHANNEL EXCAVATION 462190-470125
 CONSTRUCT APPROACH 462190-470125
 CONSTRUCT DRIVE 470125-471150
 REMOVAL AND DISPOSAL OF PRESENT GUARD RAIL 469175-469180
 470125-470130
 470130-470135
 470135-470140
 470140-470145
 470145-470150

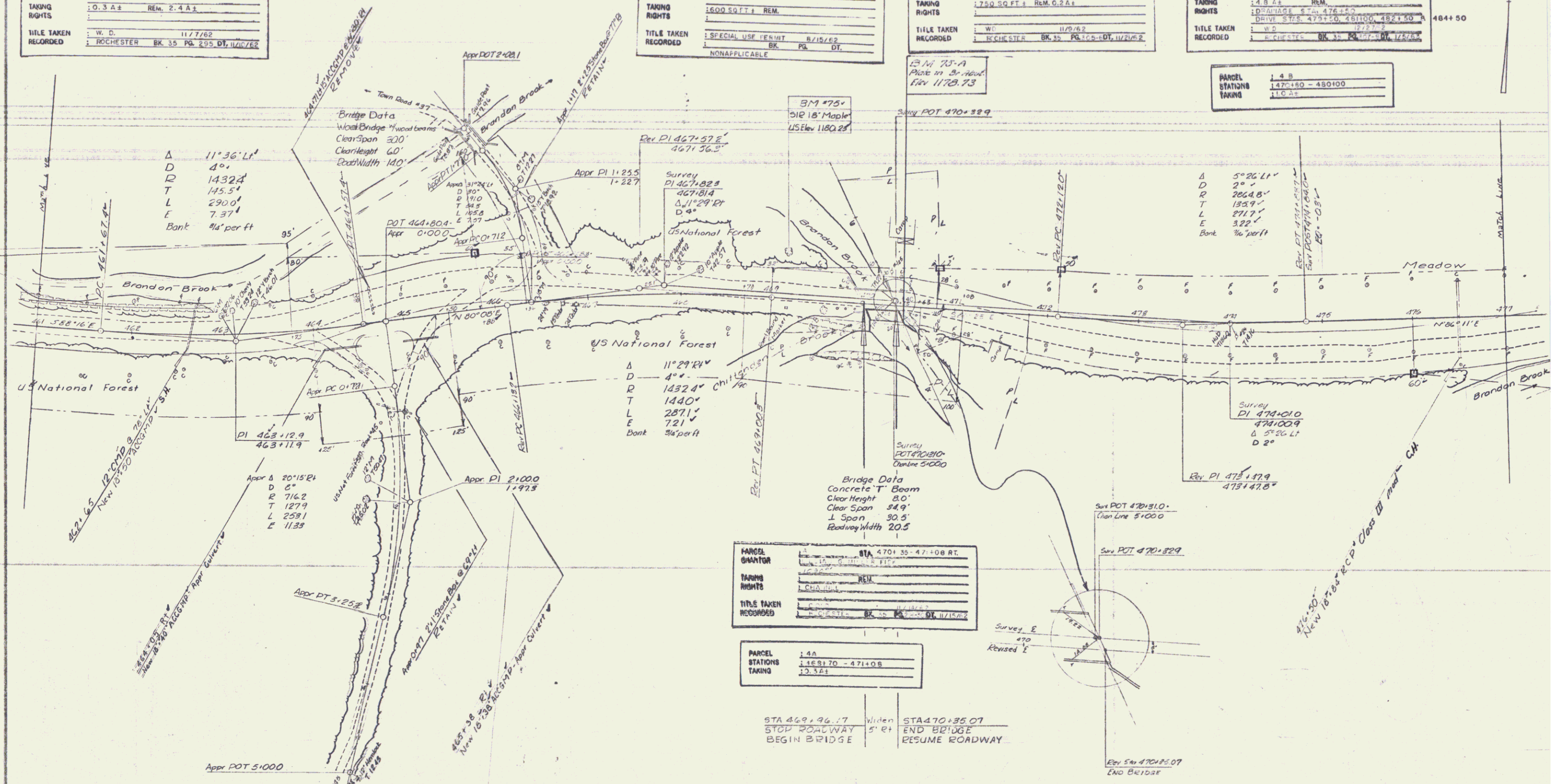
FARCEL	3	STA 460+32-463+75
GRANTOR	LEMA, F. CARTER	
TAKING RIGHTS	D.S.A. REM. 2.4 A.3	
TITLE TAKEN RECORDED	W.D. 11/7/62 ROCHESTER BK. 35 PG. 295 DT. 11/16/62	

FARCEL	1E	STA 469100-470+19
GRANTOR	GREEN MOUNTAIN NATIONAL FOREST	
TAKING RIGHTS	1600 SQ FT REM.	
TITLE TAKEN RECORDED	SPECIAL USE PERMIT 8/15/62 BK. PG. DT. NONAPPLICABLE	

FARCEL	5	STA 470+15-470+80
GRANTOR	WILLIAM SANDERSON, GEORGE W. SHALLEY, LEE SMITH & DAVID N. MILLS	
TAKING RIGHTS	750 SQ FT REM. 0.2 A.1	
TITLE TAKEN RECORDED	W.D. 11/9/62 ROCHESTER BK. 35 PG. 115 DT. 11/16/62	

FARCEL	4A, B, C, D	STA 466+70-492+00
GRANTOR	LEROY C. CORNELL POWER	
TAKING RIGHTS	4.8 A.3 REM.	
TITLE TAKEN RECORDED	DRAINAGE 670, 476, 470 DRIVE STS. 475+50, 481+00, 482+00 W.D. 11/7/62 ROCHESTER BK. 35 PG. 114 DT. 11/16/62	

FARCEL STATIONS TAKING	4 B
	147+60-480+00
	110 A.3



FARCEL	5	STA 470+35-471+08 RT.
GRANTOR	WILLIAM SANDERSON, GEORGE W. SHALLEY, LEE SMITH & DAVID N. MILLS	
TAKING RIGHTS	REM.	
TITLE TAKEN RECORDED	ROCHESTER BK. 35 PG. 115 DT. 11/16/62	

FARCEL STATIONS TAKING	1.4A
	1468170-471+08
	12.3 A.1

STA 469+96.77 Widen
 STOP ROADWAY 5' R.
 STA 470+35.07 END BRIDGE
 RESUME ROADWAY

INSTRUCT DRIVE
 480+50 - 490+10
 481+60
 485+00
 80°
 80°

TWO CABLE GUARD RAIL
 480+42 - 480+28
 477+35 - 491+00

STONE FILL FOR SLOPE PROTECTION
 477+90 - 484+70

UNCLASSIFIED CHANNEL EXCAVATION
 478+20 - 490+00
 483+00 - 485+50

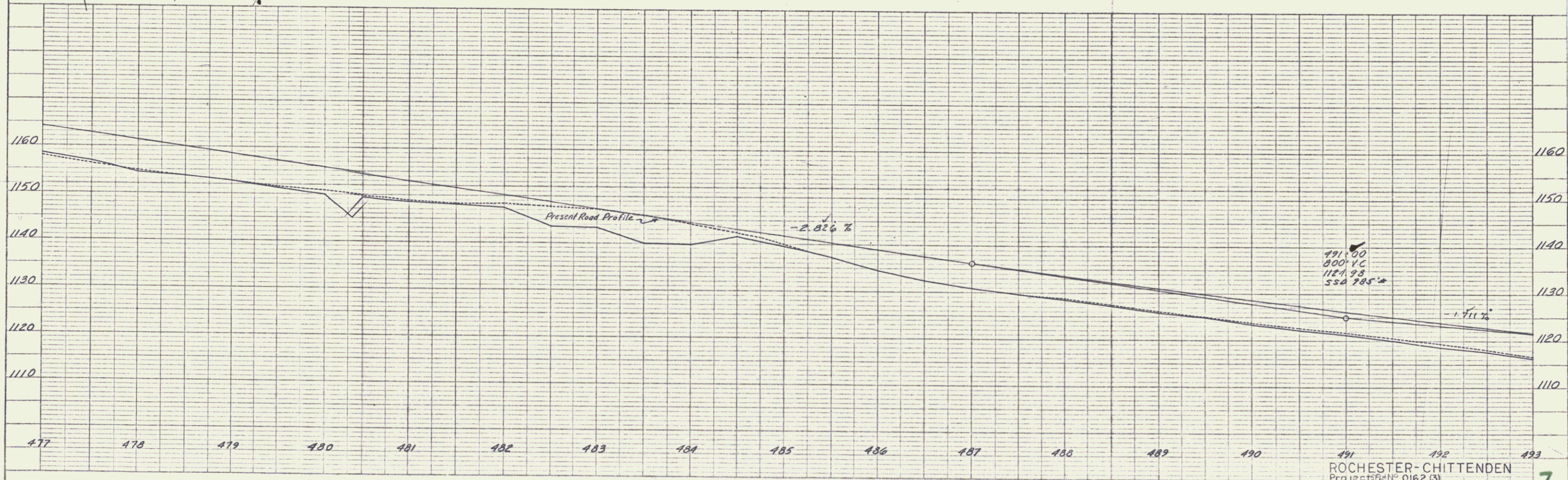
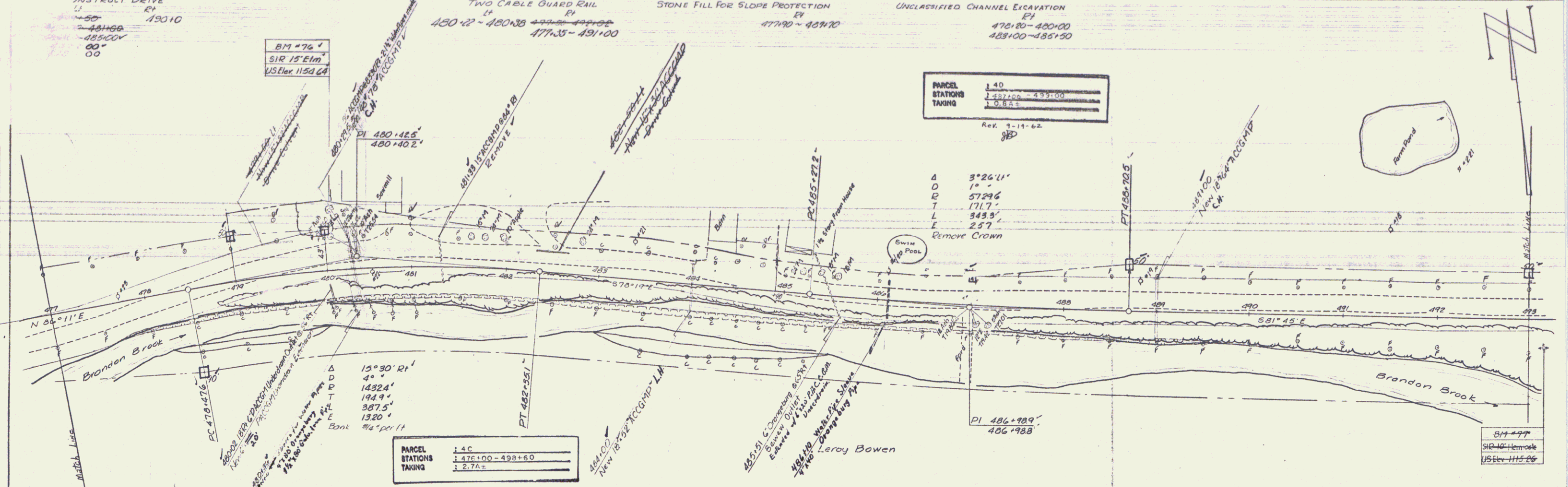
PARCEL STATIONS	140
TAKING	147+00 - 493+00
	1.0825

A 3°26'11"
 D 5724'
 T 1717'
 L 3435'
 E 257'
 Remove Crown

PARCEL STATIONS	14C
TAKING	147+00 - 493+60
	1.2745

PLAN
 DATE: 11/15/62
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 IN CHARGE: [Signature]

PROFILE
 DATE: 11/15/62
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 IN CHARGE: [Signature]



ROCHESTER-CHITTENDEN
 PROJECT # 0162 (3)
 SHEET 7 OF 7

PLAN, PROFILE, D.P. & E. STANDARD
 RIGHTS & LICENSES, NEW YORK
 R. & E. CO. 248-103
 1962

CABLE GUARD RAIL 209+30-309+00
 UNCLASSIFIED CHANNEL EXCAVATION 305+50-309+00
 STONE FILL FOR SLOPE PROTECTION 305+50-309+00

GRADING ITEM 602
 506+00-508+00

PARCEL GRANTOR	I 7A B	STA 498+50-507+22 ±
TAKING RIGHTS	LEGGERS, J. P. GREEN	
TITLE TAKEN RECORDED	185 A 1	REM.
	185 A 1	8/14/62
	ROCHESTER, N.Y.	DT, 11/15/62

PARCEL STATIONS TAKING	I 7 B	1498+77-505+50
	185 A 1	10.7 A 1

PARCEL STATIONS TAKING	I 7 A	1498+77-507+22
	185 A 1	10.7 A 1

PARCEL GRANTOR	I F	STA 506+64-525+00 ±
TAKING RIGHTS	GREEN MOUNTAIN NATIONAL FOREST	
TITLE TAKEN RECORDED	SPECIAL USE PERMIT	8/15/62
	NONAPPLICABLE	

PLAN
 SHEET NO. 1115-20

PROFILE
 SHEET NO. 1115-20

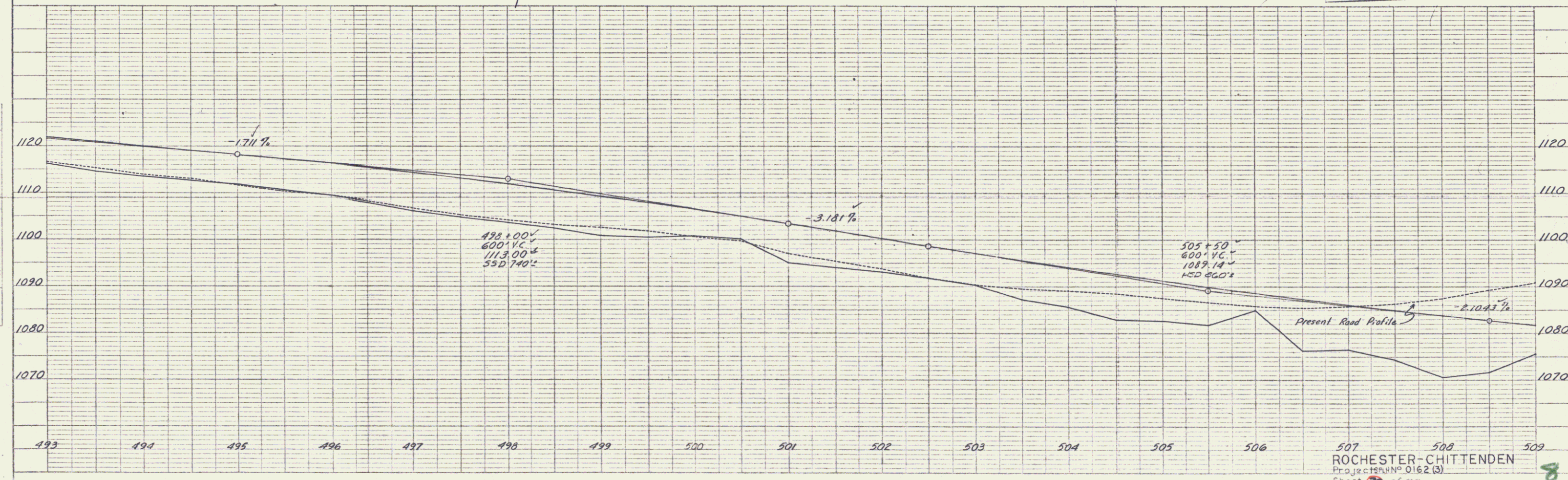
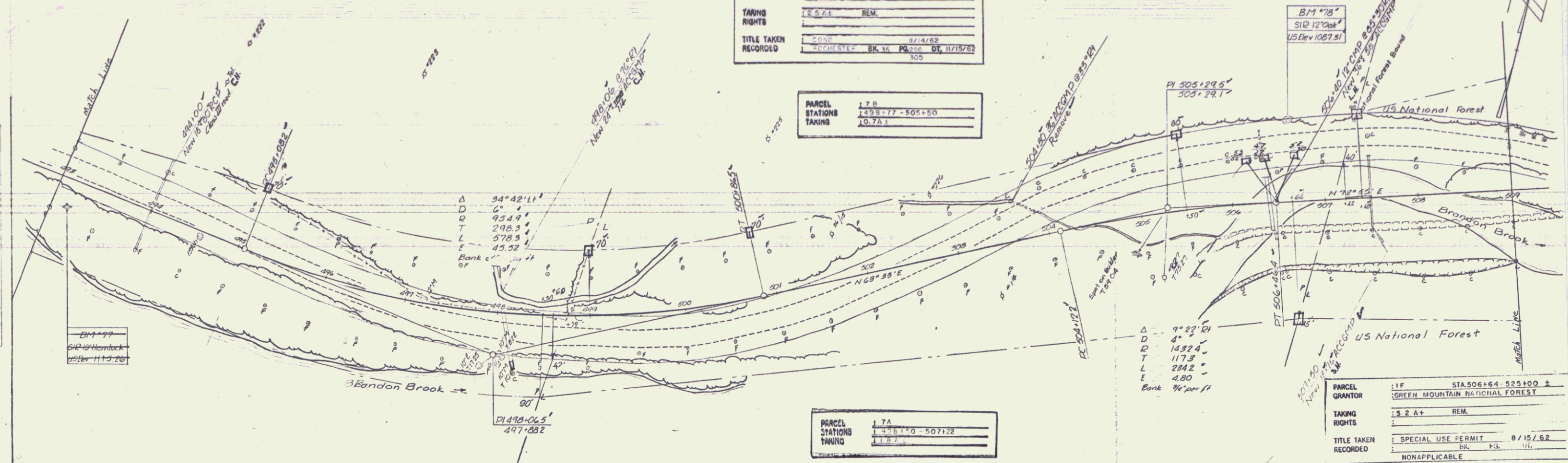


PLATE 1: PLAN - PROFILE, D. P. & E. ENGINEERS
 BUFFALO & ROCHESTER, NEW YORK

ROCHESTER-CHITTENDEN
 PROJECT NO. 0162 (3)
 Sheet 38 of 72

TWO CABLE GUARD RAIL
RT
509+00 - 510+28
510+75 - 511+25
509+00 - 510+14
515+70 - 523+78

UNCLASSIFIED CHANNEL EAVATION
RT
509+00 - 509+57
515+00 - 523+22

CONSTRUCT DRIVE
RT
515+00 - 515+00

STONE FILL FOR SLOPE PROTECTION
RT
509+00 - 509+57
515+00 - 523+22

CONSTRUCT EARTH DIKE FOR STREAM DIVERSION
RT
515+00 - 514+50
GRADING ITEM 602
LI
521+00 - 522+00

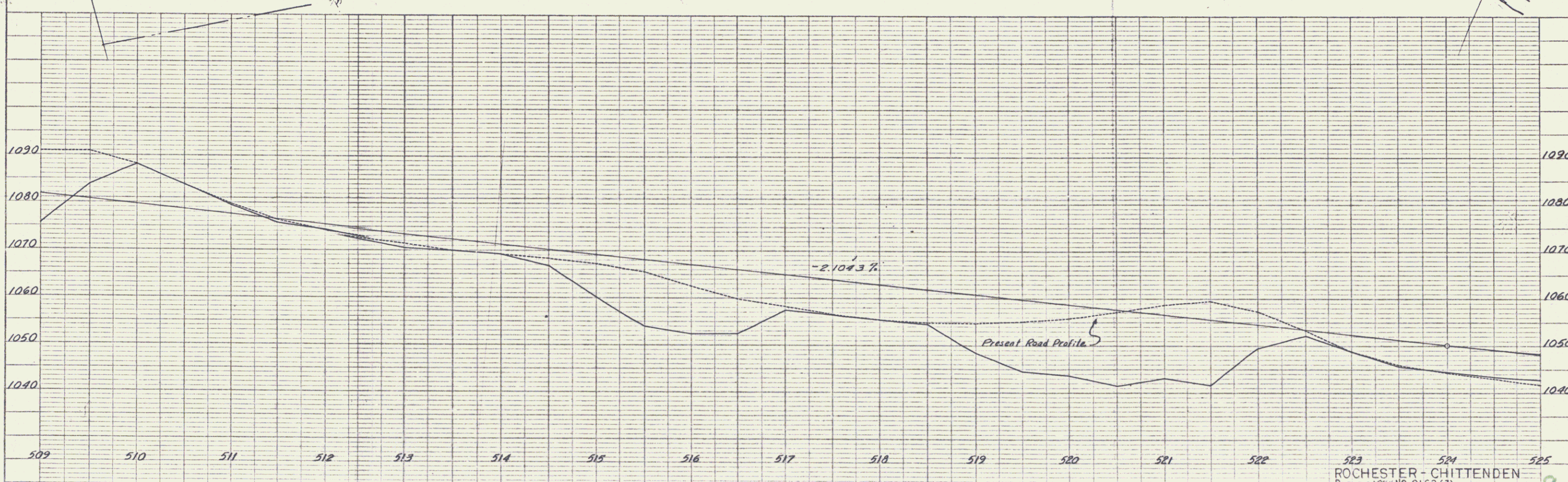
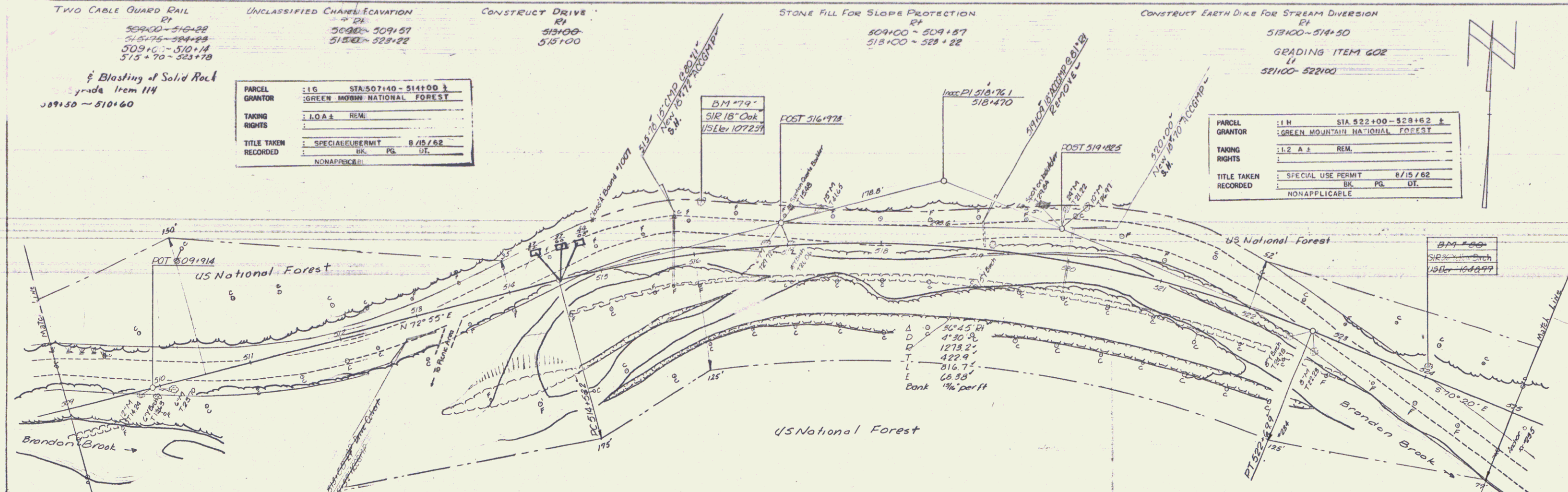
Blasting of Solid Rock
Grade from 114
509+50 - 510+60

PARCEL	1:1 G	STA. 507+40 - 514+00 ±
GRANTOR	1: GREEN MOUNTAIN NATIONAL FOREST	
TAKING RIGHTS	1: I.O.A. ±	REM.
TITLE TAKEN	1: SPECIAL USE PERMIT	8/15/62
RECORDED	1: BK.	PG. 01.
	NONAPPLICABLE	

PARCEL	1:1 H	STA. 522+00 - 523+62 ±
GRANTOR	1: GREEN MOUNTAIN NATIONAL FOREST	
TAKING RIGHTS	1: I.O.A. ±	REM.
TITLE TAKEN	1: SPECIAL USE PERMIT	8/15/62
RECORDED	1: BK.	PG. 01.
	NONAPPLICABLE	

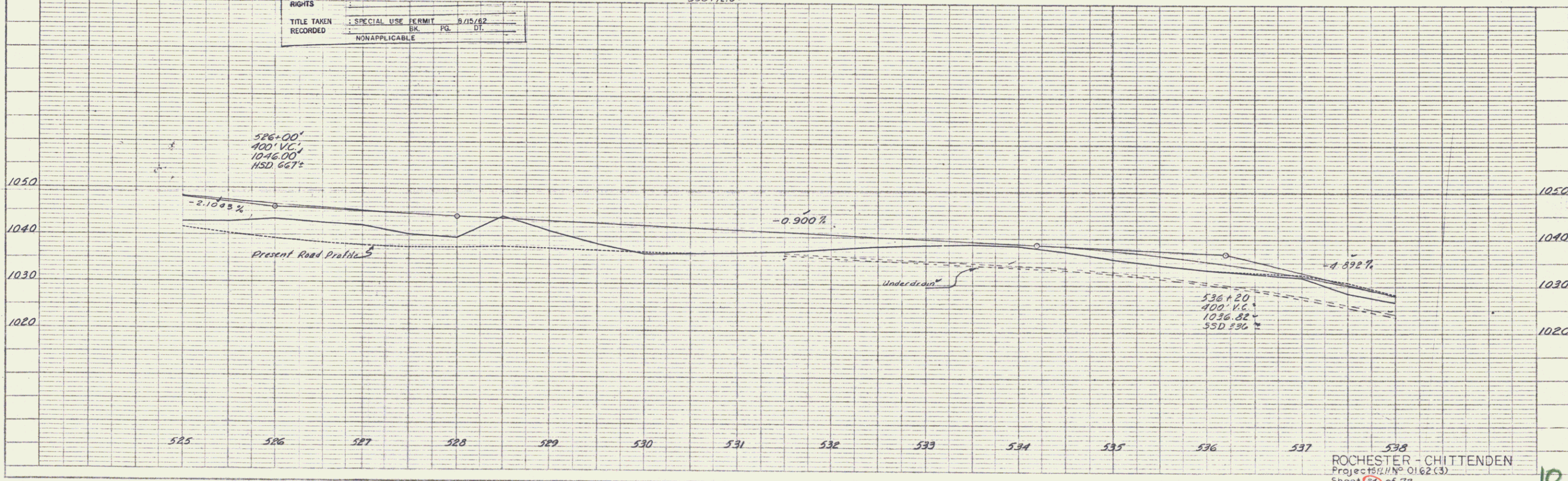
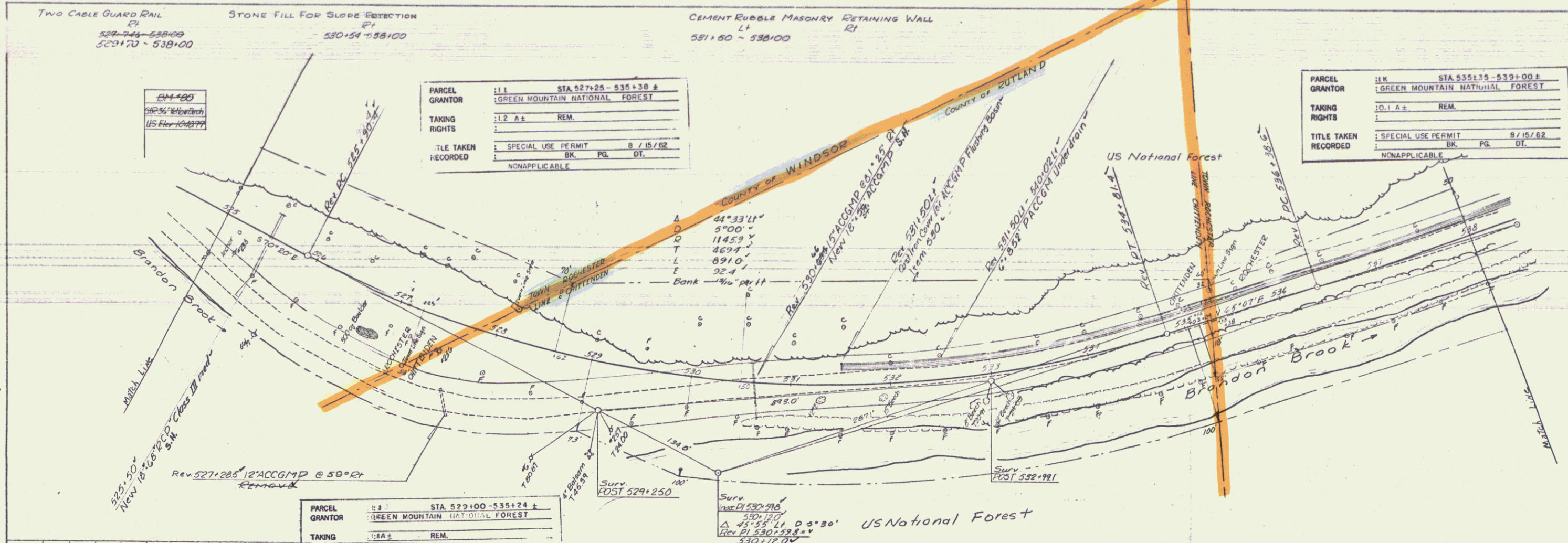
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DATE: 10/1/62
DRAWN BY: [Signature]
CHECKED BY: [Signature]
NO. 1

PROFILE
DATE: 10/1/62
DRAWN BY: [Signature]
CHECKED BY: [Signature]
NO. 1



523 524
ROCHESTER - CHITTENDEN
Project No. 0162 (3)
Sheet 22 of 73

PLATE 1 - PLAN PROFILE C.H.A. & S. STANBARD
MADEIRA & FISH CO. NEW YORK
110 N. 5th St. NEW YORK
10012



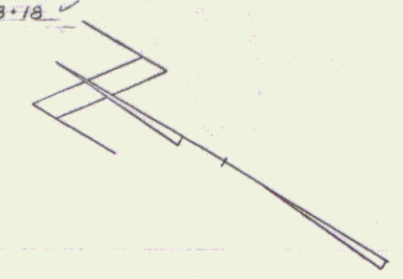
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 DATE: [Date]

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

E GUARD RAIL 538100-543186 ✓
 UNCLASSIFIED CHANNEL ECAVATION 538190-541186
 STONE FILL FOR SLOPE PROTECTION 538100-541186
 CONSTRUCT APPROACH 5421643 ✓
 CONSTRUCT DRIVE 541182 ✓

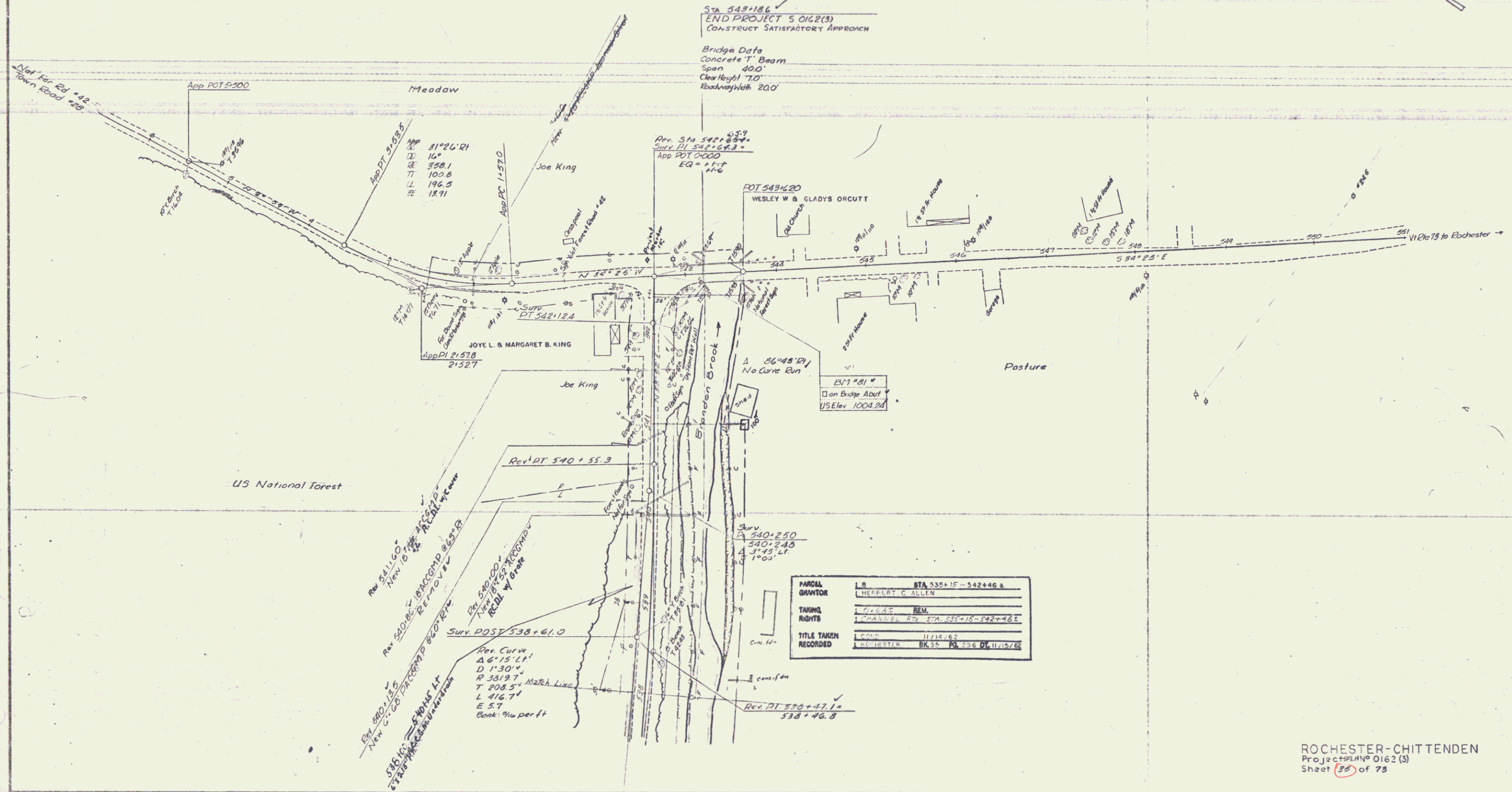
REMOVAL AND DISPOSAL OF PRESENT GUARD RAIL
 LT 542-88-543-18 ✓
 RT 542-3A-543-18 ✓

RUBBLE MASONRY RETAINING WALL
 50-540100 ✓



Sta 543+186 ✓
 END PROJECT S 0162(3)
 CONSTRUCT SATISFACTORY APPROACH

Bridge Data
 Concrete T-Beam
 Span 400'
 Clear Height 7.0'
 Roadway Width 20.0'



PARCEL	18	STA 535+15 - 542+46.8
OWNER	1	HERBERT C. ALLEN
TAKING RIGHTS	1	CHASE
	1	TRAVELER RT. STA. 535+15 - 542+46.8
TITLE TAKEN RECORDED	1	11/14/62
	1	ROCHESTER BK. 35 PG. 296 DT. 11/19/62

ROCHESTER-CHITTENDEN
 Project # 0162(3)
 Sheet 35 of 75