FED. ROAD REGION NO	STATE	PROJECT NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
1	VT	S-FLH 0162(1)	1962	1	59

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT

FEDERAL AID SECONDARY PROJECT

TOWNS OF GOSHEN & ROCHESTER

COUNTIES OF ADDISON & WINDSOR

VERMONT ROUTE #73

BRANDON – ROCHESTER ROAD

BEGINNING AT A POINT APPROXIMATELY 0.75 MILE WESTERLY OF THE GOSHEN - ROCHESTER TOWN LINE AND EXTENDING EASTERLY ~~2.933 MILES.~~ 3.198 MILES.

LENGTH OF PROJECT ~~15,486.6~~ 16,886.6 FEET ~~2.933~~ 3.198 MILES

INDEX OF SHEETS

SHEET Nº	
1	TITLE SHEET
2	TYPICAL CROSS-SECTION OF IMPROVEMENT (BITUMINOUS CONCRETE PAVEMENT, ITEM 361-D(MOD)
3	QUANTITY SHEET (ITEMS)
4	QUANTITY SHEET (DRAINAGE)
5 – 8	EARTHWORK SHEETS
9-20	PLAN AND PROFILE SHEETS
21	STANDARD SHEET SB-PA #1 (DETAILS OF 12'-6"X7'-11" C.G.M.R.P.A. AT STA. 366+23.3, DETAIL "B")
22	STANDARD SHEET SB-PA #2
23	STANDARD SHEET SB-PP #1 (DETAILS OF 120"ø C.G.M.R.P. AT STA. 359+81.5, DETAIL "C")
24	STANDARD SHEET SB-PP #2
25	STANDARD SHEET B-1 (BANKING TABLES)
26	STANDARD SHEET B-5 (SLOPE GRADING)
27	STANDARD SHEET B-11 (SLOPE STABILIZATION)
28	STANDARD SHEET C-1 (TREATED TIMBER CURB)
29	STANDARD SHEET D-1 (PRECAST R.C.P. DROP INLET)
30	STANDARD SHEET D-2 (HEADWALLS & UNDERDRAIN)
31	STANDARD SHEET E-1 (BARRICADES, SIGNS & LIGHTS)
32	STANDARD SHEET G-2a (TWO CABLE GUARD RAIL)
33	STANDARD SHEET G-4 (GUIDE POSTS & MARKER POSTS)
34	STANDARD SHEET J-1 (MARKERS)
35-57	CROSS-SECTION SHEETS
58-59	CURVE BANKING TRANSITION SHEETS

PROJECT	NUMBER
Goshen-Rochester	S-FLH 0162 (1)
TYPE	SURFACE AREA
Bituminous Concrete	37,526 sy

RECORD PLANS
MATERIALS

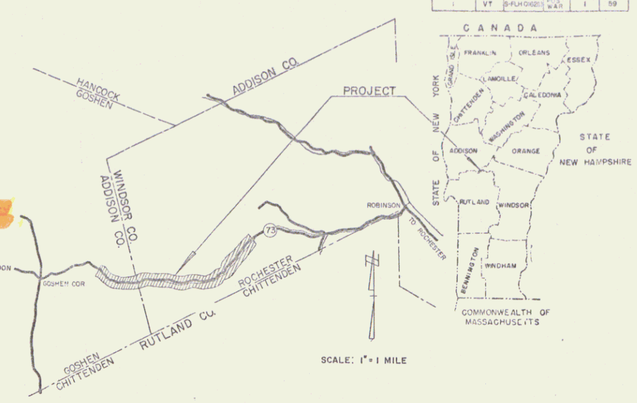
GRAVEL - Lyon and Severy Pits, Rochester, Vermont
CUTBACK ASPHALT - Mobile Oil Co., East Providence, Rhode Island
BITUMINOUS CONCRETE - L.M. Pike & Son, Inc., Proctor, Vermont Plant
REINF. CONCRETE PIPE - American Marietta Co., Windsor, Vermont
ACCG METAL PIPE and CG METAL PLATE PIPE - New England Metal Culvert Co., Palmer, Mass. and Armco Steel Corp., Middletown, Ohio
CONCRETE, CLASS B - Joseph R Carrara & Sons, Inc., Rutland, Vermont
REINFORCING STEEL - Bethlehem Steel Co., Bethlehem, Pa.
GUARD RAIL - Bethlehem Steel Co., Sparrows Point, Maryland
WOOD POSTS - Koppers, Nashua, N.H. and Stoddard Enterprises, Inc., Northfield, Vermont
TIMBER CURB - Koppers, Nashua, New Hampshire

CONTRACTOR - Burnett and Campbell, Inc., R.D. 2, Burlington, Vermont
RESIDENT ENGINEER - William B. Lowe
INSPECTORS - Sherwood C. Murray, R. Guthridge
RECORD PLANS - S.C. Murray, W.B. Lowe

STA. 236+00
BEGIN PROJECT S-FLH 0162(1)
MP 2.357

CONTRACT DATED - Nov. 9, 1960
CONTRACT STARTED - Nov. 15, 1960
CONTRACT COMPLETED - Aug. 9, 1962
CONTRACT ACCEPTED - Aug. 9, 1962

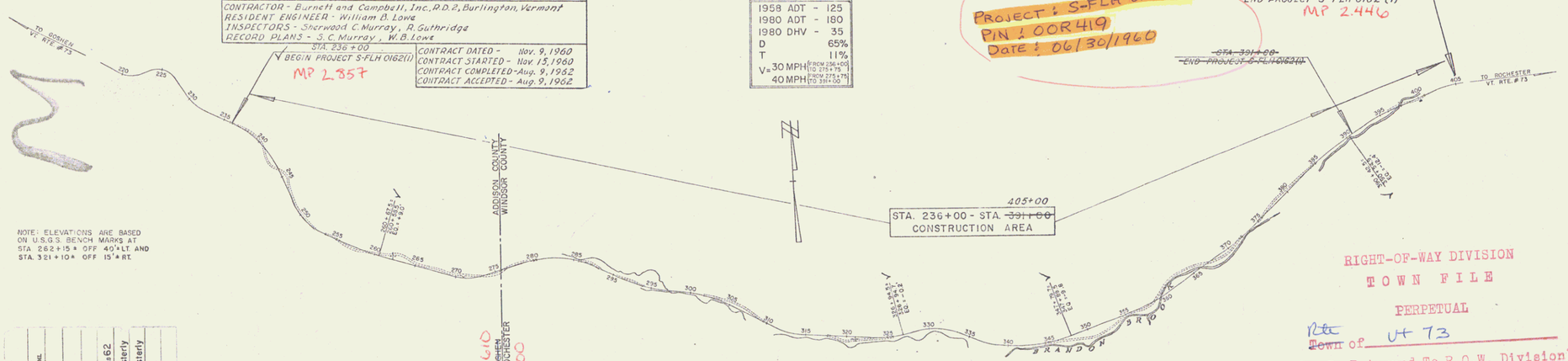
1958 ADT	125
1980 ADT	180
1980 DHV	35
D	65%
T	11%
V = 30 MPH	(FROM 236+00 TO 275+75)
40 MPH	(FROM 275+75 TO 391+00)



Project : S-FLH 0162(1)
PIN : 00R419
Date : 06/30/1960

STA. 405+00
END PROJECT S-FLH 0162 (1)
MP 2.446

~~STA. 391+00~~
~~END PROJECT S-FLH 0162(1)~~



NOTE: ELEVATIONS ARE BASED ON U.S.G.S. BENCH MARKS AT STA. 262+15 ± OFF 40' LT. AND STA. 321+10 ± OFF 15' ± RT.

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

COUNTY
TOWN L
FENCE
STONE
UNFENC
GUARD
TRAVE
RAILRO
RETAIN
CENTER
SURVEY
CULVER
DROP I
TROLLE
POWER
TELEPH
TREES
HEDGE

PROJECT GOSHEN-ROCHESTER
LENGTH 3.198 MI.
NUMBER S-FLH 0162 (1)
TYPE BITUMINOUS CONCRETE
CONTRACTOR BURNETT & CAMPBELL, INC.
YEAR 1962
LOCATION Beginning at a point approximately 0.75 mile westerly of The Goshen-Rochester Town Line and extending easterly 3.198 mile.

GOSHEN-ROCHESTER S-FLH 0162 (1)
CONTRACTOR - BURNETT AND CAMPBELL, INC.
CONSTRUCTION COMPLETED - AUGUST 9, 1962
RECORD PLANS - S.C. MURRAY & W.B. LOWE

GROUND ELEVATION — DATUM — LINE
GRADE ELEVATION — DATUM — LINE

CURVE DATA

DEFLECTION OF ANGLE	Δ
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	POT
POINT ON SUB-TANGENT	POST

SCALES

TITLE		1" = 600'
TYPICAL		1" = 2'
PLAN		1" = 50'
PROFILE	HORIZONTAL	1" = 50'
	VERTICAL	1" = 10'
CROSS-SECTIONS		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.

NOTE: ANY FURTHER INFORMATION PERTAINING FINAL QUANTITIES, AMOUNTS OR OTHER DETAILS RELATING TO THIS PROJECT MAY BE FOUND IN EITHER THE FIELD BOOKS OR THE ESTIMATE FILE.

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED
DIVISION ENGINEER — DATE

APPROVED R. Hoffman SECONDARY ENGINEER	APPROVED E. H. Stickney CONSTRUCTION ENGINEER	APPROVED BRIDGE ENGINEER	APPROVED H. Robbins DISTRICT ENGINEER	APPROVED G. M. Lane HIGHWAY ENGINEER	APPROVED A. D. T. Bishop CHIEF ENGINEER
DATE June 3, 1960	DATE June 3, 1960	DATE	DATE June 3, 1960	DATE June 3, 1960	DATE June 3, 1960 SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

PROJECT S-FLH NO. 0162 (1)
SHEET 1 OF 59 SHEETS

Δ 47°49' Lt.
D 15°
R 383.1
T 159.3
L 318.8
E 35.9
HAWLEY O. & MINDWELL C. HATHAWAY
POST 224+50
Δ 40°49' Rt.
Inatc
PI. 225+60.5=
225+02.2
POST 226+31.4
Δ 34°00' Rt.
BM #39
Spot on HW
U.S. El. 1788.43
BM #40
S.I.R. 18" M
U.S. El. 1828.92
Δ 31°38' Lt.
D 10°
R 573.7
T 162.1
L 315.5
E 22.5
BM #38
S.I.T. 15" WB
U.S. El. 1733.35
PT 227+39.6
PC 219+20.8
match line
18" ACCGMP
15" CMP
POST 218+50
POST 220+00.0
Δ 22°07'30" Lt.
PI 220+90.1=
220+70.3
POST 221+48.6
Δ 25°41' Lt.
15" ACCGMP 238+39 @ 84° Rt.
PC 229+41.3
18" ACCGMP @ 89° Rt.
PT 227+01.4
Δ 74°49' Rt.
D 22°
R 260.5
T 198.2
L 340.1
E 67.4
227+36 15" CMP
227+36 18" ACCGMP @ 89° Lt.
18" ACCGMP 238+85 @ 90°
PC 232+30.6
WELLAND S. & ESTHER HORN
BM #41
S.I.R. 18" Elm
U.S. El. 1874.93
PT 232+46.1
PI 230+92.7
230+84.0
@ 90° (Good)
230+86 18" ACCGMP
@ 90° (Good)
233+36 18" ACCGMP
KEITH G. HOOKER & PHILIP K. HOOKER
N
S 66°28' E
S 37°46' E
C.W.
woods
1907
1788
1733
1828
1874
1743
1788
1828
1874
1907
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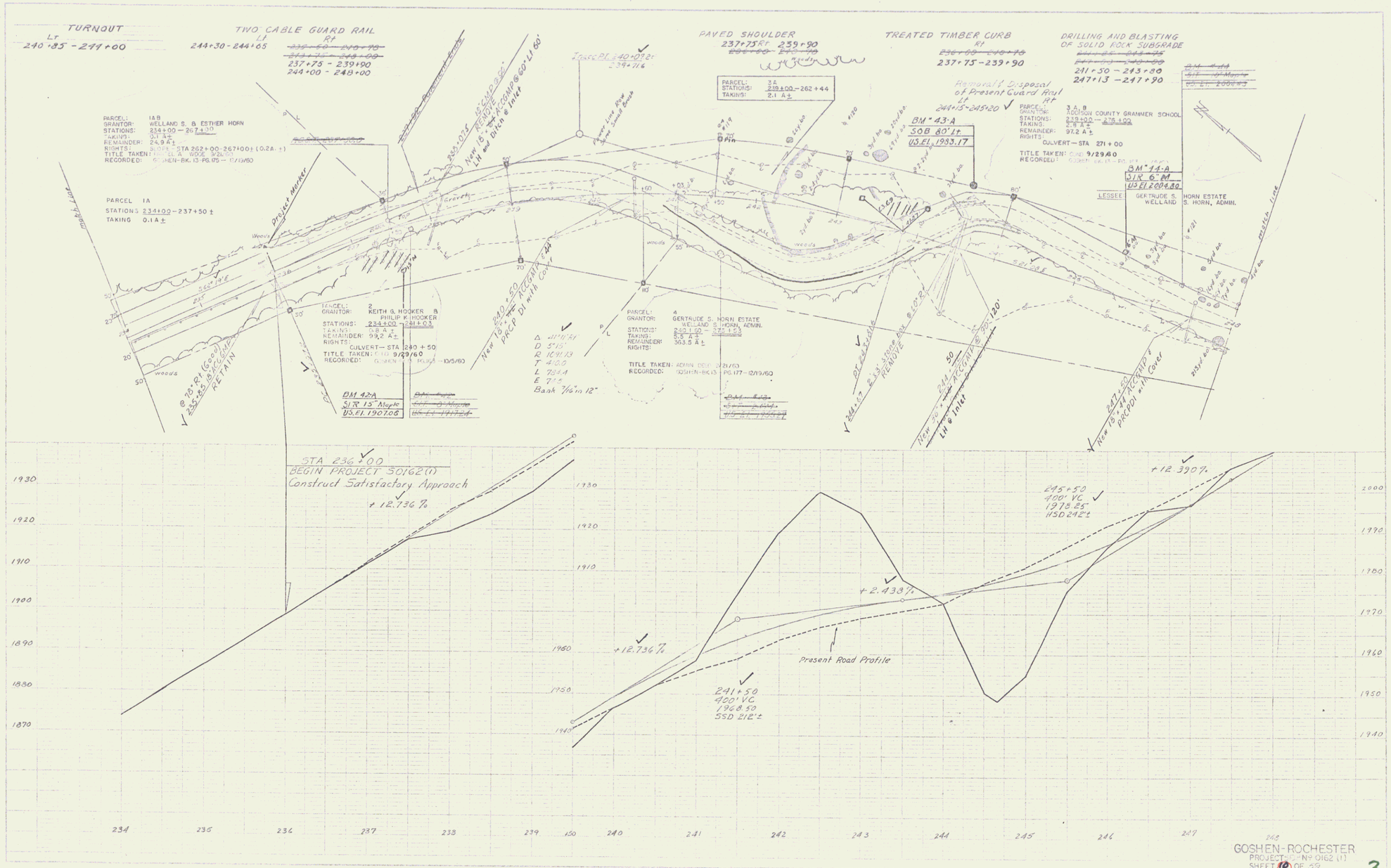
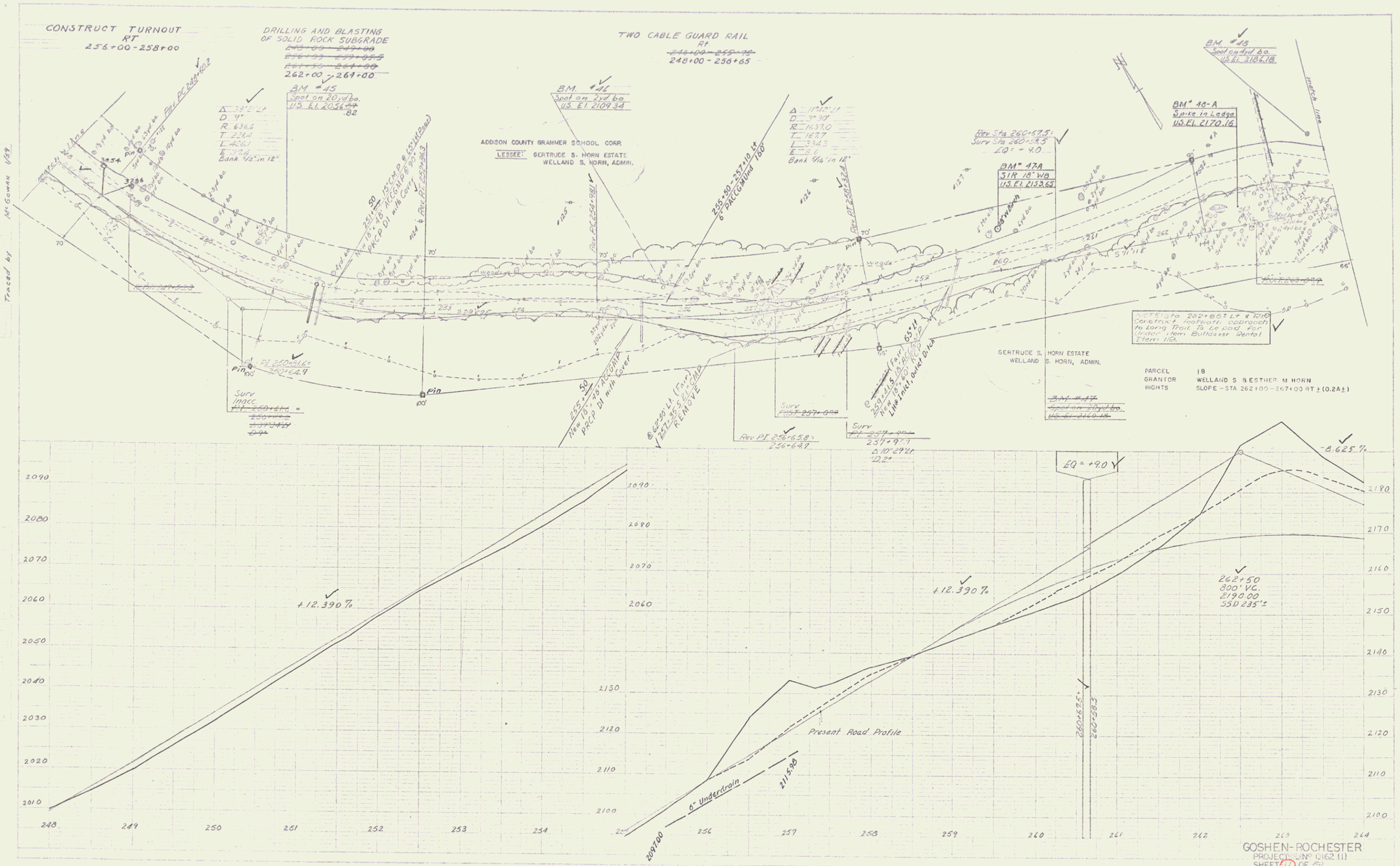
1907
1788
1733
1743

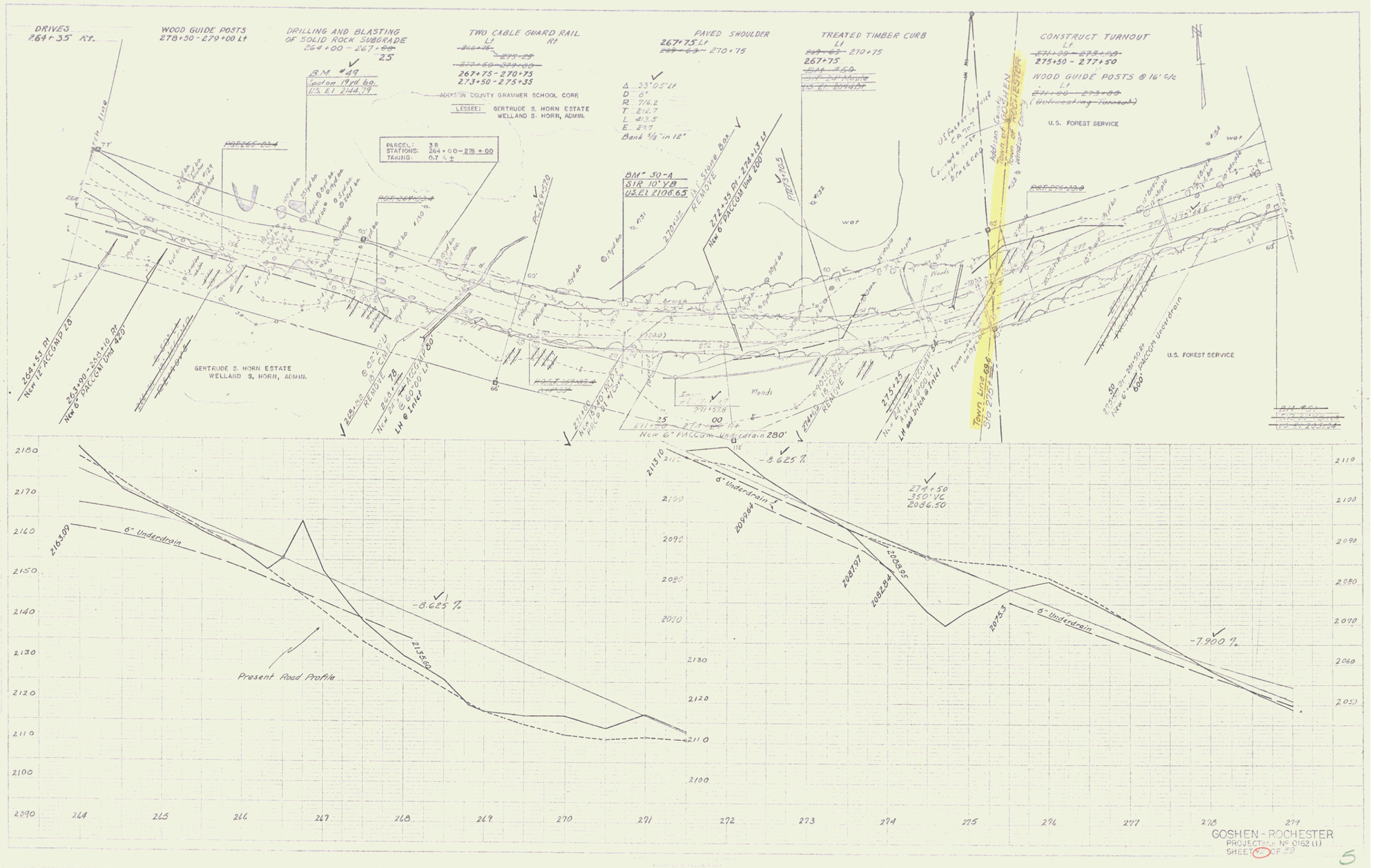


GOSHEN-ROCHESTER
PROJECT NO. 0162 (1)
SHEET 10 OF 59

3

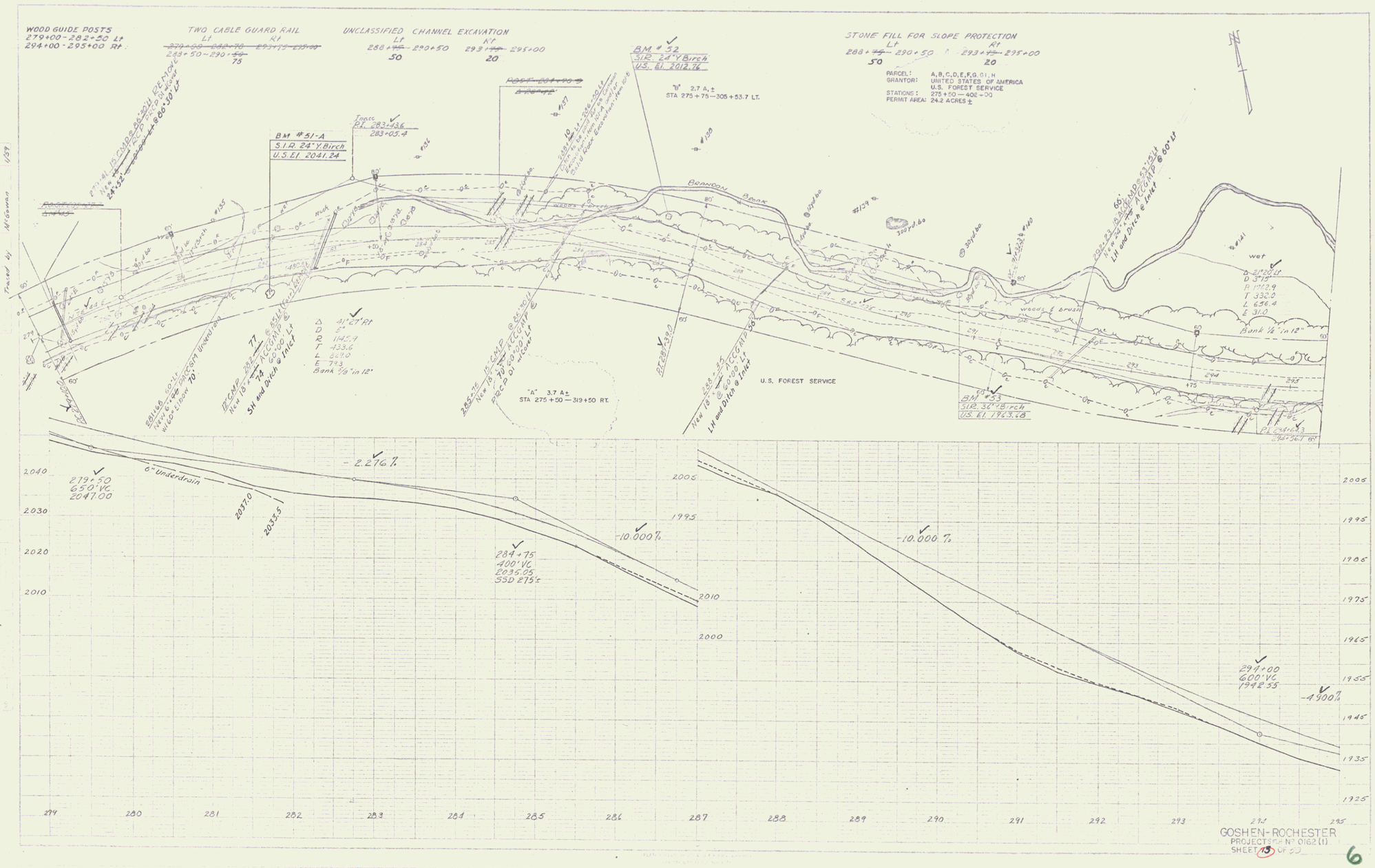

CONSTRUCT TURNOUT
RT
256+00-258+00
DRILLING AND BLASTING
OF SOLID ROCK SUBGRADE
262+00 - 261+00
BM #45
Spot on 20 yd bo.
US El 2036.82
TWO CABLE GUARD RAIL
RT
248+00 - 256+65
B.M. #46
Spot on 2yd bo.
US El 2109.34
ADDISON COUNTY GRAMMER SCHOOL CORP.
LESSEE: GERTRUDE S. HORN ESTATE
WELLAND S. HORN, ADMIN.
BM #43
Spot on 4yd bo.
US El. 2186.18
BM# 46-A
Spike in Ledge
US El. 2170.16
BM# 47A
SIR 18" WB
US El. 2152.65
GERTRUDE S. HORN ESTATE
WELLAND S. HORN, ADMIN.
PARCEL 1B
GRANTOR WELLAND S & ESTHER M HORN
RIGHTS SLOPE - STA 262+00 - 267+00 RT ± (0.2A±)
+12.390%
-8.625%
EQ = +9.0
262+50
800' VC.
2190.00
SSD 235'±
Present Road Profile
6" Underdrain
GOSHEN-ROCHESTER
PROJECT: BRIN° 0162 (1)
SHEET 11 OF 59

4



GOSHEN - ROCHESTER
PROJECT No. 0162 (1)
SHEET 5 OF 59

5



GOSHEN-ROCHESTER
PROJECT STH No 0162 (1)
SHEET 15 OF 50

6

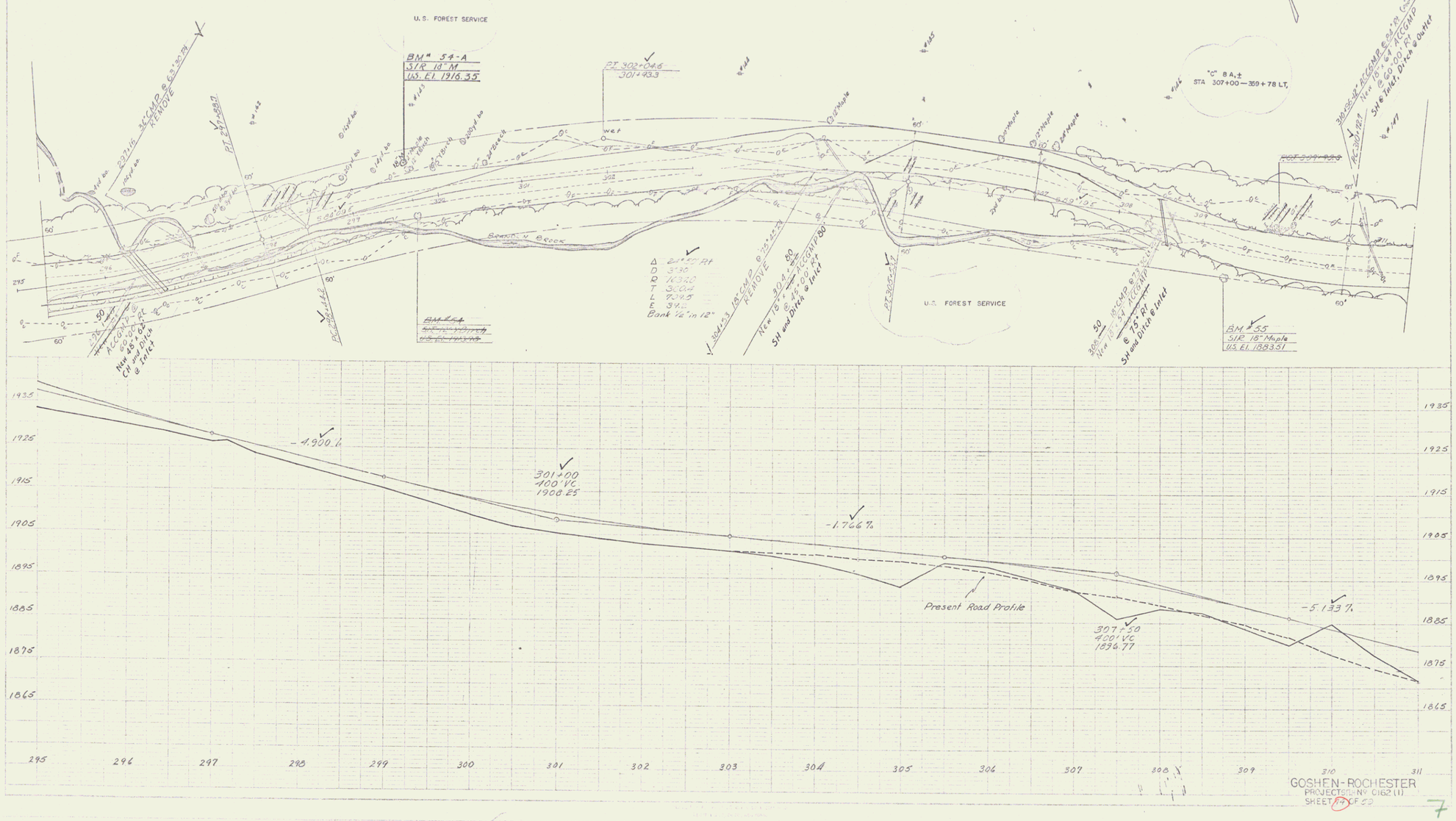
CONSTRUCT TURNOUT
Lt
305+00 - 308+00

UNCLASSIFIED CHANNEL EXCAVATION
Rt 75
295+00 - 299+50
303+50 - 305+20
307+50 - 308+25
302+25 - 305+25
307+40 - 308+60

STONE FILL FOR SLOPE PROTECTION
Rt 75
295+00 - 299+50
302+25 - 305+25
307+40 - 308+60

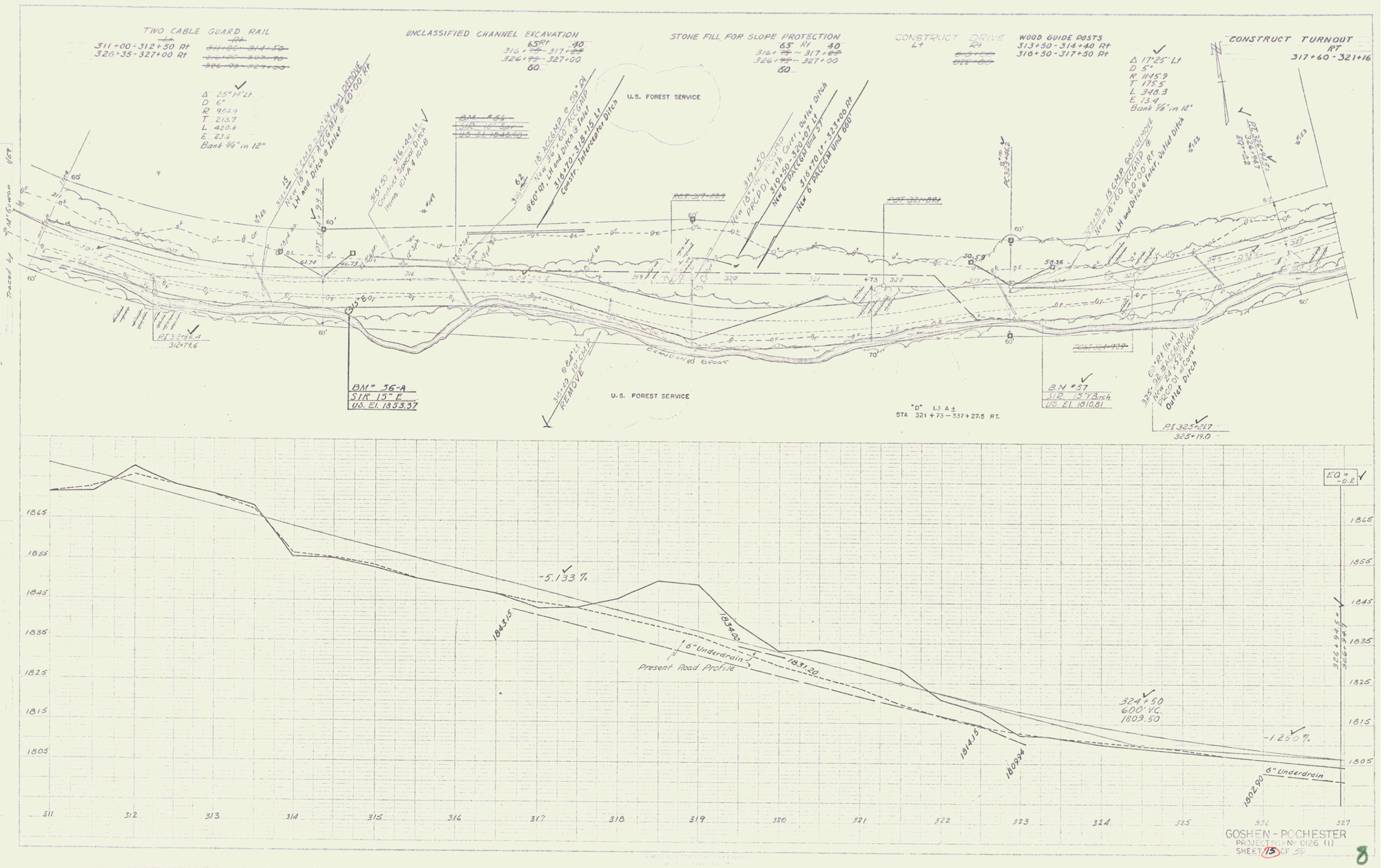
TWO CABLE GUARD RAIL
Lt
Rt

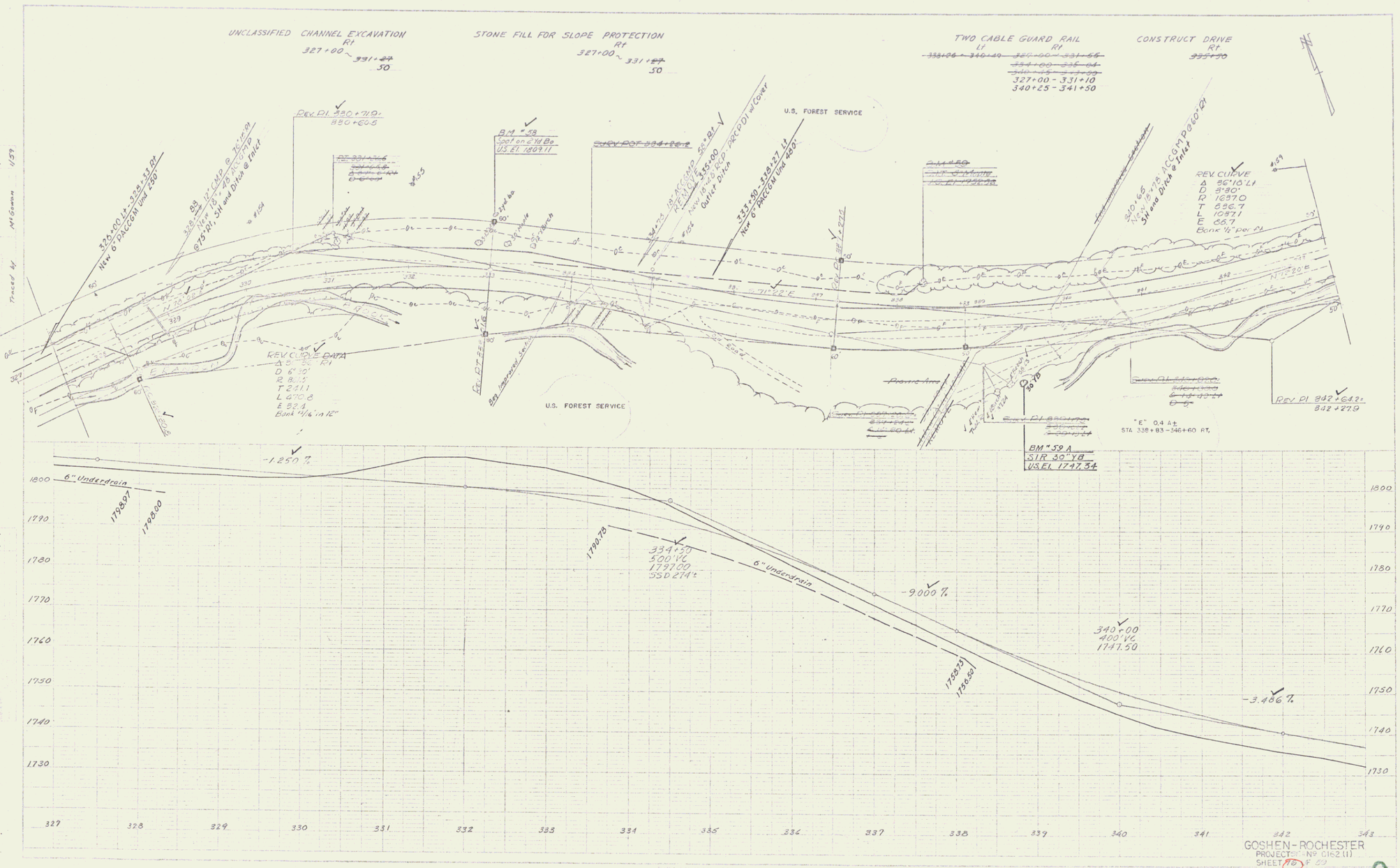
WOOD GUIDE POSTS
295+00 - 299+50 Rt
302+40 - 305+00 Rt
307+00 - 308+40 Rt

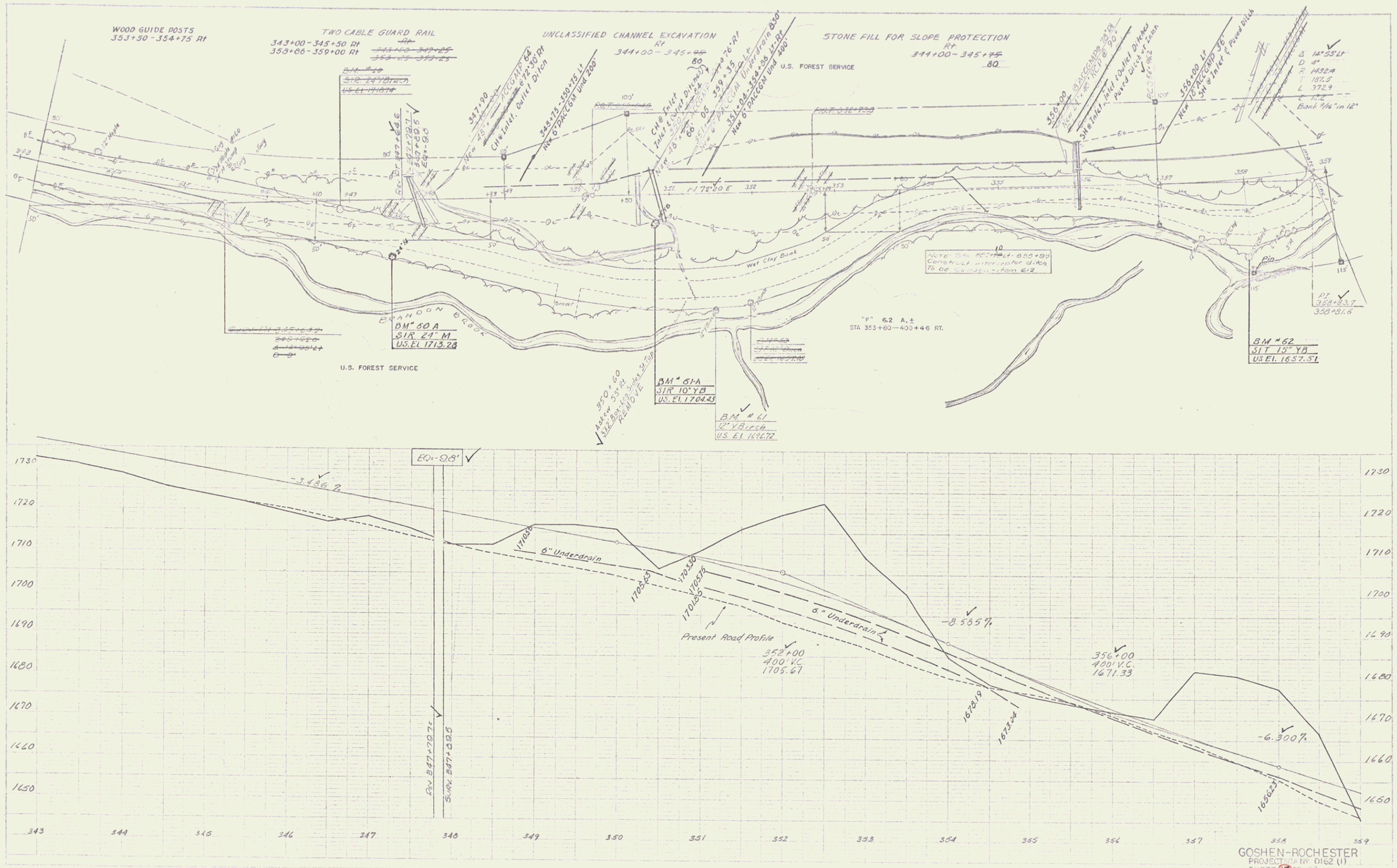


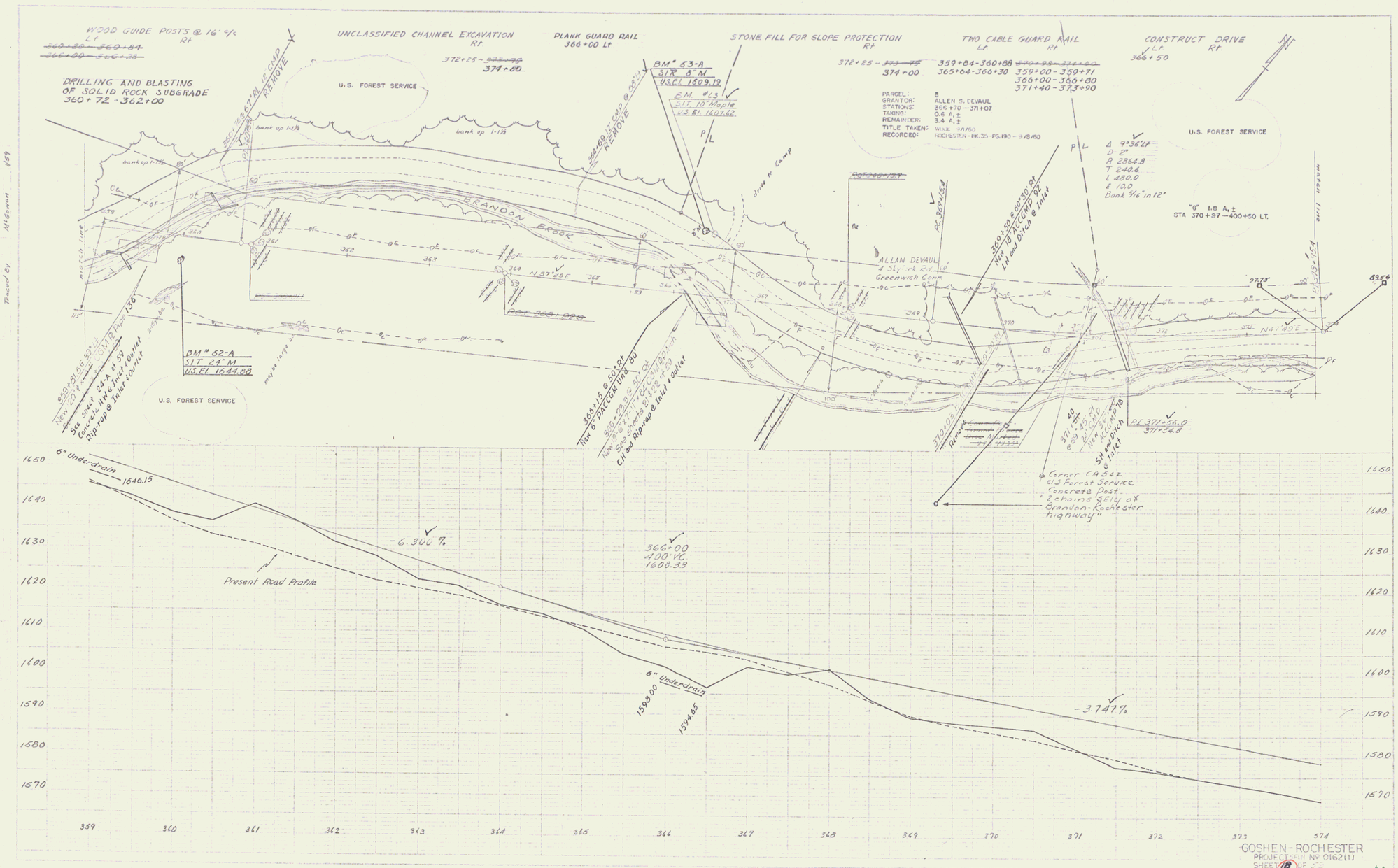
GOSHEN-ROCHESTER
PROJECT STA. No. 0162 (1)
SHEET 7 OF 59

7


TWO CABLE GUARD RAIL
Lt
311+00-312+50 Rt
326+35-327+00 Rt
Δ 25°14' Lt
D 6°
R 954.9
T 213.7
L 420.6
E 23.6
Bank 3/4" in 12"
UNCLASSIFIED CHANNEL EXCAVATION
65 Rt 40
316+ 75 - 317+ 50
326+ 75 - 327+00
60
STONE FILL FOR SLOPE PROTECTION
65 Rt 40
316+ 75 - 317+ 50
326+ 75 - 327+00
60
CONSTRUCT DRIVE
Lt
Rt
WOOD GUIDE POSTS
313+50 - 314+40 Rt
316+50 - 317+50 Rt
Δ 17°25' Lt
D 5°
R 1145.9
T 175.5
L 348.3
E 13.4
Bank 5/8" in 12"
CONSTRUCT TURNOUT
RT
317+60 - 321+16
U.S. FOREST SERVICE
U.S. FOREST SERVICE
BM# 36-A
SIR 15" E
US El. 1853.37
BM #57
SIR 15" Birch
US El. 1810.81
"D" 1.3 A ±
STA 321+73 — 337+27.5 RT.
PI 326+6.4
312+77.6
PI 325+21.7
325+19.0
-5.133 %
-1.250 %
324+50
600' VC.
1809.50
6" Underdrain
Present Road Profile
6" Underdrain
EQ = -0.2
1865
1855
1845
1835
1825
1815
1805
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
GOSHEN - POCHESTER
PROJECT BRF-N° 0126 (1)
SHEET 15 OF 59


UNCLASSIFIED CHANNEL EXCAVATION
Rt
327+00 – 331+50
STONE FILL FOR SLOPE PROTECTION
Rt
327+00 – 331+50
TWO CABLE GUARD RAIL
Lt
Rt
327+00 – 331+10
340+25 – 341+50
CONSTRUCT DRIVE
Rt
U.S. FOREST SERVICE
REV. PI. 330+71.0
330+60.5
BM "58
Spot on 21" Bo
U.S. EL 1809.11
320+00 Lt – 328+33 Rt
New 6" PACCGM Und 280'
328+33 – 12" CMP @ 75° Rt
New 18" x 28" ACCGMP
@ 75° Rt, SH and Ditch @ Inlet
334+74 – 18" ACCGMP – 55° Rt
RE-MOVE
New 18" x 28" RCP – 74° CP DI w/ Cover
Outer Ditch
333+50 – 338+27 Lt
New 6" PACCGM Und 480'
340+65
New 18" x 28" ACCGMP 360° Rt
SH and Ditch @ Inlet
REV. CURVE
Δ 96°18' Lt
D 5°30'
R 1637.0
T 596.7
L 1087.1
E 66.7
Bank 1½" per ft
REV. CURVE DATA
Δ 5°30' Rt
D 6°30'
R 882.1
T 241.1
L 470.8
E 32.4
Bank 4½" in 12"
Rt. Rt. Rt. Rt. Rt.
Rt. Rt. Rt. Rt. Rt.
Rt. Rt. Rt. Rt. Rt.


WOOD GUIDE POSTS
353+50 - 354+75 Rt
TWO CABLE GUARD RAIL
343+00 - 345+50 Rt
358+66 - 359+00 Rt
UNCLASSIFIED CHANNEL EXCAVATION
Rt
344+00 - 345+80
STONE FILL FOR SLOPE PROTECTION
Rt
344+00 - 345+80
U.S. FOREST SERVICE
BRANDON BLOCK
BM # 60 A
SIR 24" M
US. El 1713.28
BM # 61 A
SIR 10" YB
US. El. 1704.43
BM # 61
12" V Birch
US. El. 1696.72
BM # 62
SIT 15" YB
US. El. 1657.51
"F" 6.2 A.±
STA 353+80 — 400+46 RT.
Wet Clay Bank
Pin
Present Road Profile
6" Underdrain
-3.486 %
-8.585 %
-6.300 %
EQ = -9.8'
Rev. 347+79.7
S.Rx. 347+28.5
352+00
400' V.C.
1705.67
356+00
400' V.C.
1671.33
GOSHEN-ROCHESTER
PROJECT NO. 0162 (1)
SHEET 17 OF 53



GOSHEN - ROCHESTER
PROJECT No. 0162(1)
SHEET 18 OF 53

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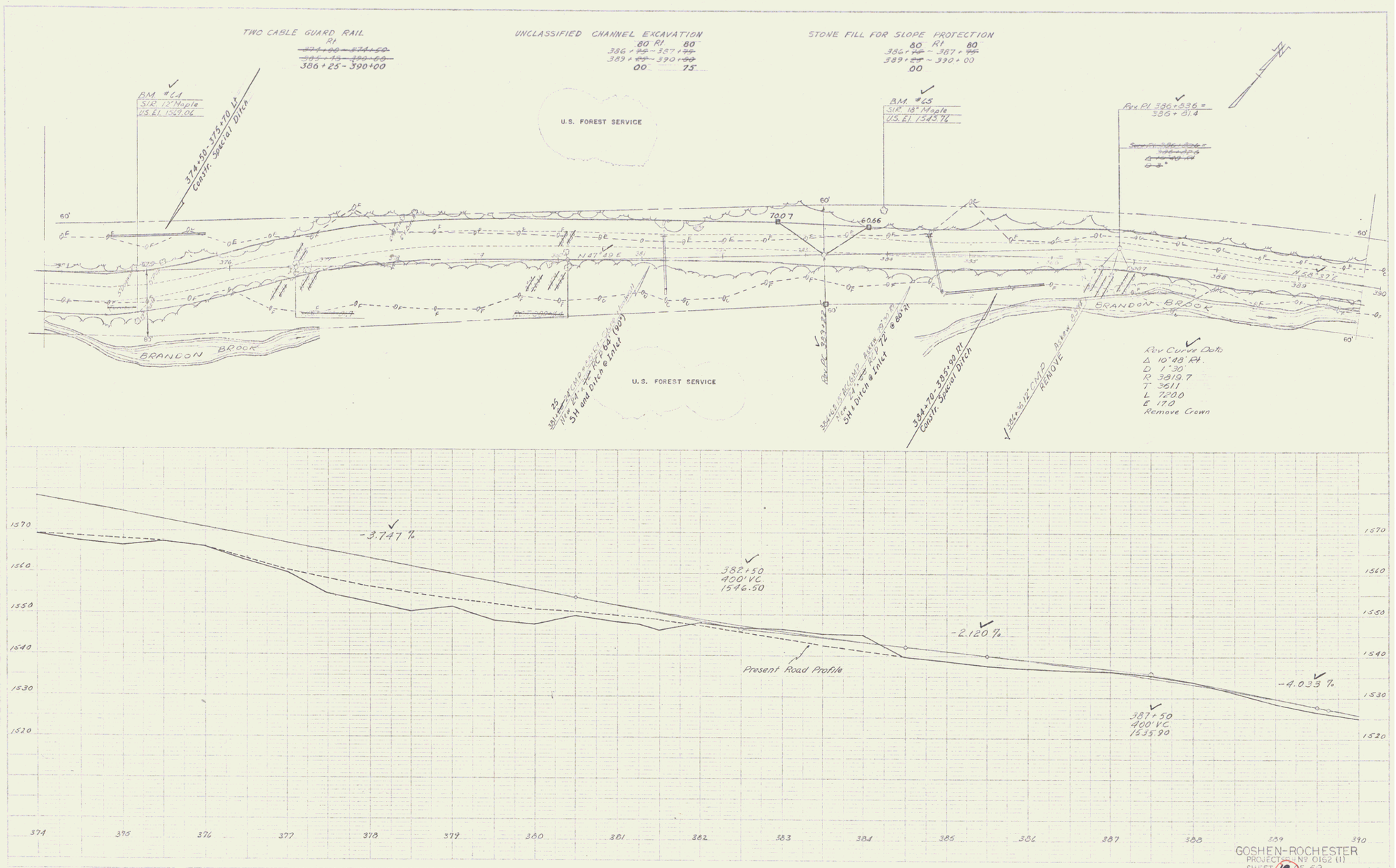

GOSHEN-ROCHESTER
PROJECT NO 0162 (1)
SHEET 19 OF 53

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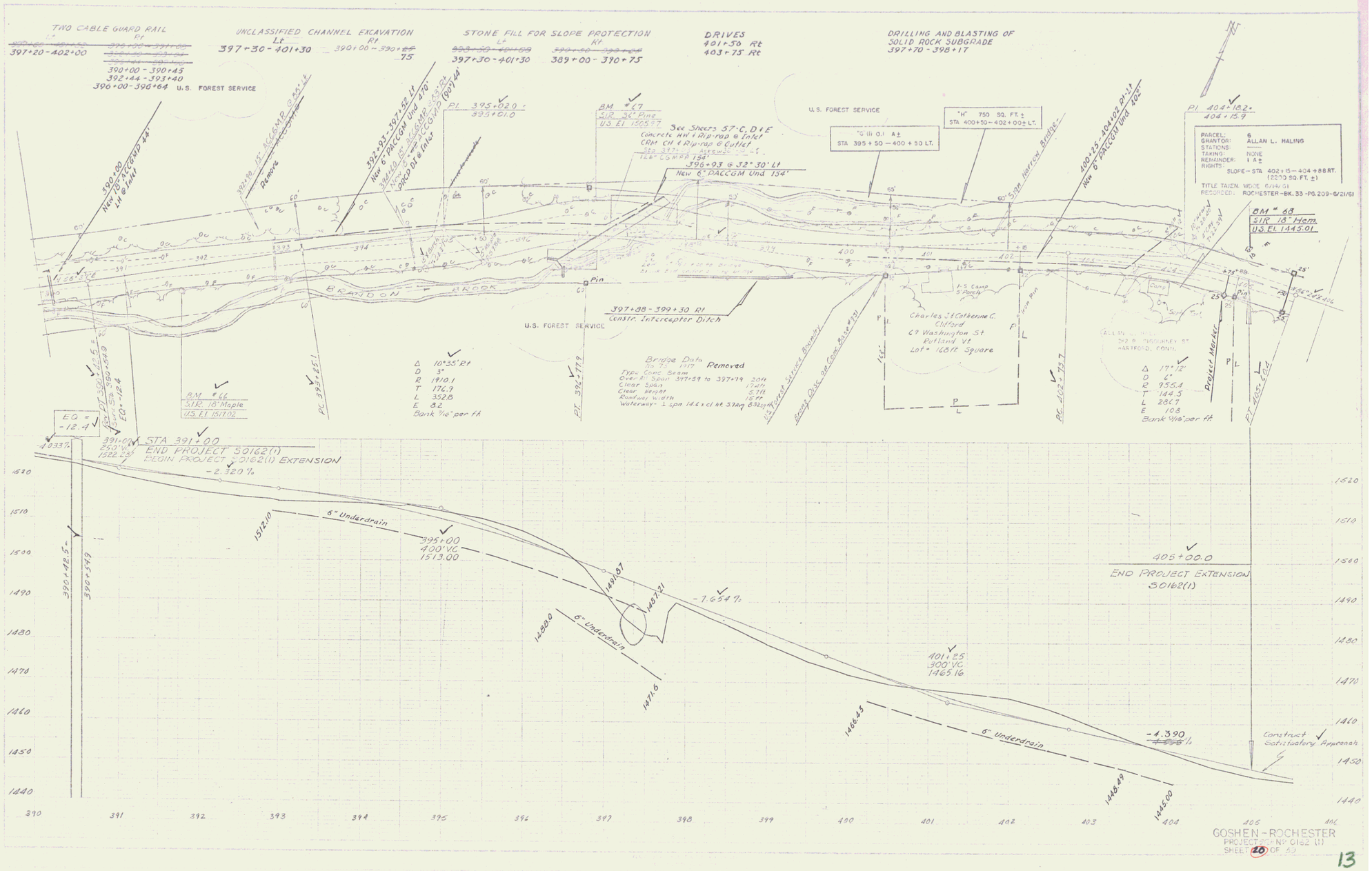

GOSHEN - ROCHESTER
PROJECT NO. 0162 (1)
SHEET 20 OF 59

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