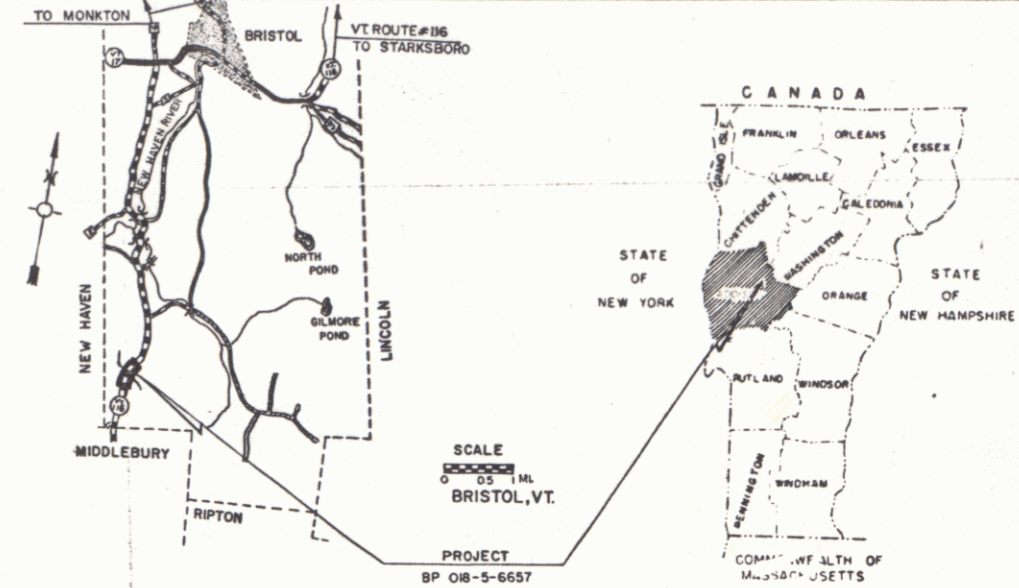


- INDEX OF SHEETS
- SHEET NO.
- TITLE PAGE
  - TYPICAL CROSS-SECTION OF IMPROVEMENT (TACK COAT - TYPE X)
  - DRAINAGE AND ITEM QUANTITY SHEET
  - EARTHWORK SHEET
  - PLAN AND PROFILE SHEETS
  - A-61 (DRILLING & BLASTING OF SOLID ROCK SUBGRADE) 8-7-67R
  - B-1 (BANKING TABLES) 7-17-67R
  - B-5 (TYPICAL SLOPE GRADING) 3-10-65
  - B-10 (EMBANKMENT ON A SLOPE) 3-10-65
  - B-11 (UNDERDRAIN WITH SHATTERED ROCK SUBGRADE) 3-10-65
  - C-1 (TREATED TIMBER CURB) 3-10-65
  - D-2 (HEADWALLS, UNDERDRAIN) 7-25-67R
  - D-3 (TREATED GUTTERS) 7-19-67R
  - D-4 (FLUSHING BASINS) 8-1-66R
  - E-32 (ROAD CONSTRUCTION APPROACH SIGNS) 1-6-67
  - E-34 (ON-PROJECT CONSTRUCTION SIGNS) 5-3-67R
  - G-3 (THREE CABLE GUARD RAIL AND ANCHORS) 9-1-66R
  - G-4 (MARKER POSTS, GUIDE POSTS) 12-30-65R
  - J-1 (PROJECT MARKERS, BOUNDARY MARKERS) 3-10-65
  - SB-PP #2 (DETAILS OF ROUND PLATE PIPE AT STA. 33+50)
  - MACP-5-62 (METAL PLATE ARCH CATTLE PASS AT STA. 33+50)
  - INTERPOLATED CROSS-SECTIONS FOR CATTLE PASS
  - MAIN LINE CROSS-SECTIONS
  - CHANNEL LINE CROSS-SECTIONS AT M.L. STA. 33+77.0
  - FINAL EARTHWORK SHEET

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS  
**PROPOSED IMPROVEMENT**  
BETTERMENT PROJECT

**TOWN OF BRISTOL**  
COUNTY OF ADDISON  
EAST MIDDLEBURY - BRISTOL ROAD  
**VERMONT ROUTE # 116**

BEGINNING AT A POINT 0.672 MILE NORTHERLY OF THE MIDDLEBURY-BRISTOL TOWN LINE AND EXTENDING NORTHEASTERLY 0.379 MILE.  
LENGTH OF PROJECT = 2000.0 FEET = 0.379 MILE.

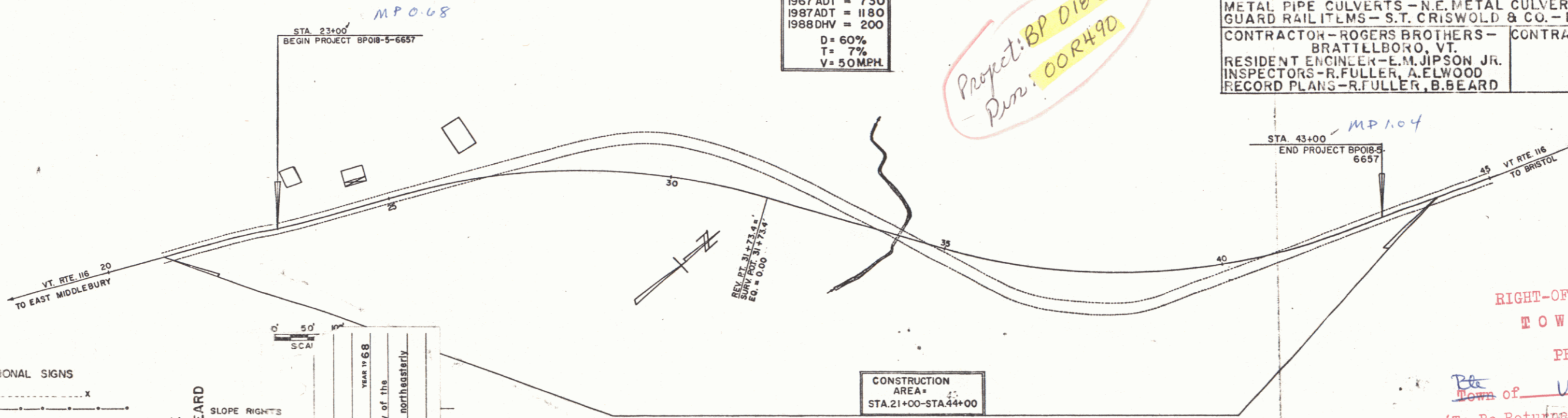


RECORD PLANS	
PROJECT NAME & NUMBER	TYPE / AREA
BRISTOL BP 018-5-6657	TACK CT.V 5867 SY.
MATERIALS	
SUB-BASE GRAVEL - FARR PIT - BRISTOL, VT.	
TAR - KOPPERS CO. INC. - PORTLAND, ME.	
ASPHALT - MOBIL OIL CORP. - E. PROVIDENCE, R.I.	
PEA STONE & STONE GRITS - J.P. CARRARA & SONS INC. - E. MIDDLEBURY, VT.	
CONCRETE CLASS B - J.P. CARRARA & SONS INC. - E. MIDDLEBURY, VT.	
REINFORCING STEEL - V.T. STRUCTURAL STEEL - BURLINGTON, VT.	
METAL PIPE CULVERTS - N.E. METAL CULVERT CO. - WHITE RIVER JCT. VT.	
GUARD RAIL ITEMS - S.T. CRISWOLD & CO. - ESSEX JCT. VT.	
CONTRACTOR - ROGERS BROTHERS - BRATTLEBORO, VT.	CONTRACT DATED JAN. 17, 1968
RESIDENT ENGINEER - E.M. JIPSON JR.	STARTED APR. 8, 1968
INSPECTORS - R. FULLER, A. ELWOOD	COMPLETED OCT. 15, 1968
RECORD PLANS - R. FULLER, B. BEARD	ACCEPTED SEPT. 5, 1968

BENCH MARK DATA BASED ON ASSUMED ELEVATIONS

1967 ADT = 730  
1987 ADT = 1180  
1988 DHV = 200  
D = 60%  
T = 7%  
V = 50MPH

*Project: BP 018-5-6657  
Plan: 00R490*



CONVENTIONAL SIGNS

- POINT OF ACCESS
- LIMITS OF ACCESS
- 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
- POWER
- TELEPHONE POLE
- TREES
- HEDGE
- P.A. CONSTRUCTION IDENTIFICATION SIGNS

BRISTOL BP 018-5-6657  
CONTRACTOR - ROGERS BROTHERS, BRATTLEBORO, VT.  
COMPLETED OCT. 15, 1968  
BY R. FULLER & B. BEARD

PROJECT BRISTOL  
NUMBER BP 018-5-6657  
TYPE TACK COAT - TYPE X

CONTRACTOR ROGERS BROTHERS  
BRATTLEBORO, VT.  
YEAR 1968

Location: Beginning at a point 0.672 mile northerly of the Middlebury-Bristol Town Line and extending northeasterly 0.379 mile.

CONSTRUCTION AREA  
STA. 21+00 - STA. 44+00

RIGHT-OF-WAY DIVISION  
TOWN FILE  
PERPETUAL  
Town of VT 116  
(To Be Returned To R.O.W. Division)

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

APPROVED <i>[Signature]</i> SECONDARY ENGINEER DATE 5/19/67	APPROVED <i>[Signature]</i> DISTRICT ENGINEER DATE 5-23-67	APPROVED <i>[Signature]</i> CONSTRUCTION ENGINEER DATE 5/19/67	APPROVED <i>[Signature]</i> RDW DIRECTOR DATE 5/31/67	APPROVED <i>[Signature]</i> HIGHWAY ENGINEER DATE 5/31/67	APPROVED <i>[Signature]</i> DATE 5/31/67	APPROVED <i>[Signature]</i> DATE 5/31/67	PROJECT NO. 018-5-6657
---	--	--	---	---	---	---	------------------------

SHEET 1 OF 33 SHEETS

NOTE: DRIVES ARE TO BE CONSTRUCTED WITH A MINIMUM WIDTH OF 12 FEET AND A FLARE RADIUS OF AT LEAST 20 FEET.  
 ALL EXISTING PAVEMENT WITHIN 2 FEET OF THE SUBGRADE SHALL BE THOROUGHLY SURFACED AND BROKEN UP, PAYMENT TO BE INCLUDED UNDER THE BID PRICE OF COMMON EXCAVATION, ITEM 103-A-1.

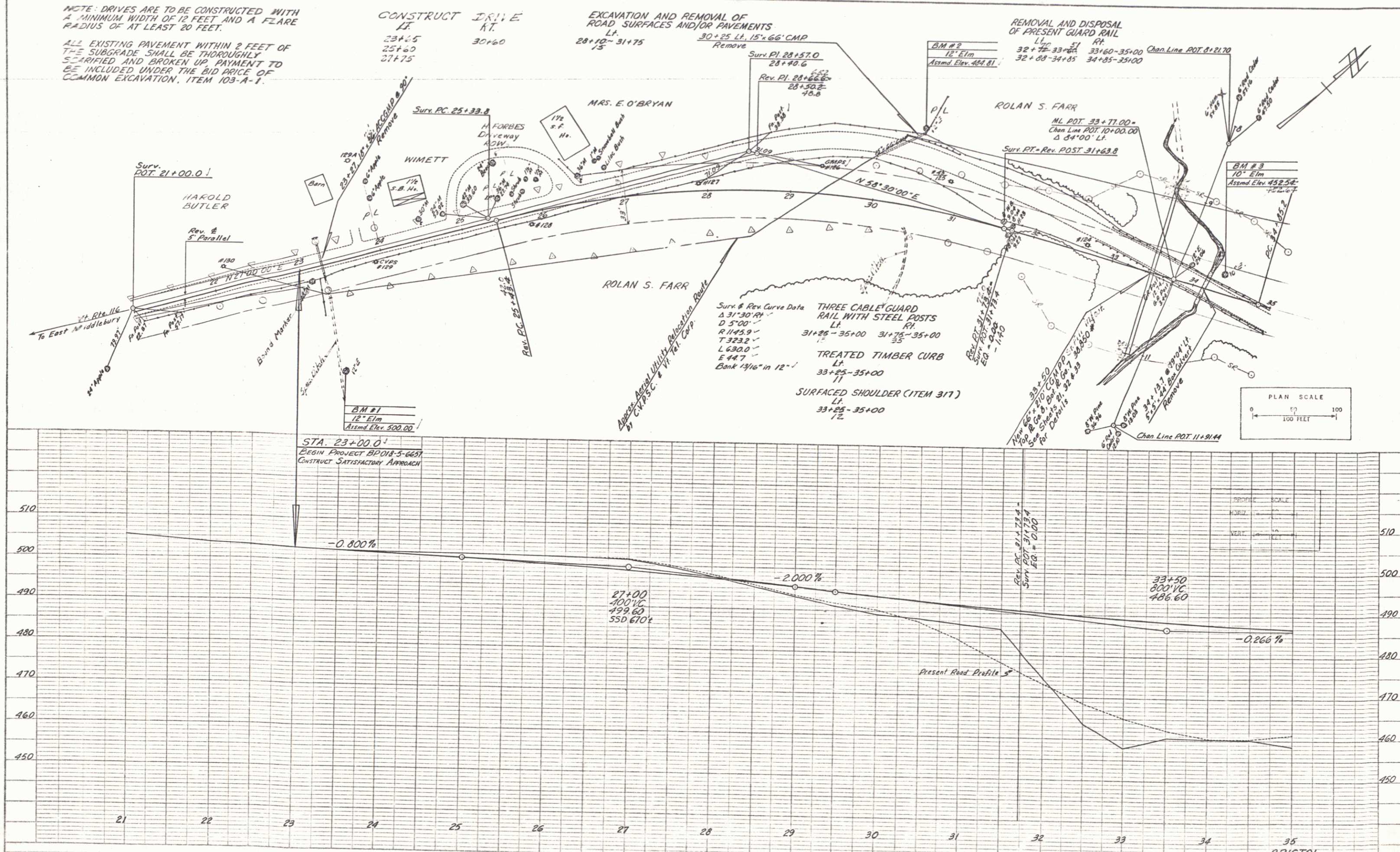
CONSTRUCT DRIVE  
 LT. 23+05  
 RT. 30+60  
 25+20  
 27+75

EXCAVATION AND REMOVAL OF ROAD SURFACES AND/OR PAVEMENTS  
 LT. 28+12-31+75  
 RT. 30+25-31+66  
 15' x 66' CMP  
 Remove

REMOVAL AND DISPOSAL OF PRESENT GUARD RAIL  
 LT. 32+75-33+85  
 RT. 33+60-35+00  
 32+88-34+85  
 34+85-35+00  
 Chan Line POT 8+21.70

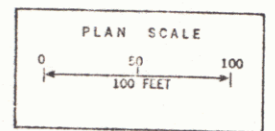
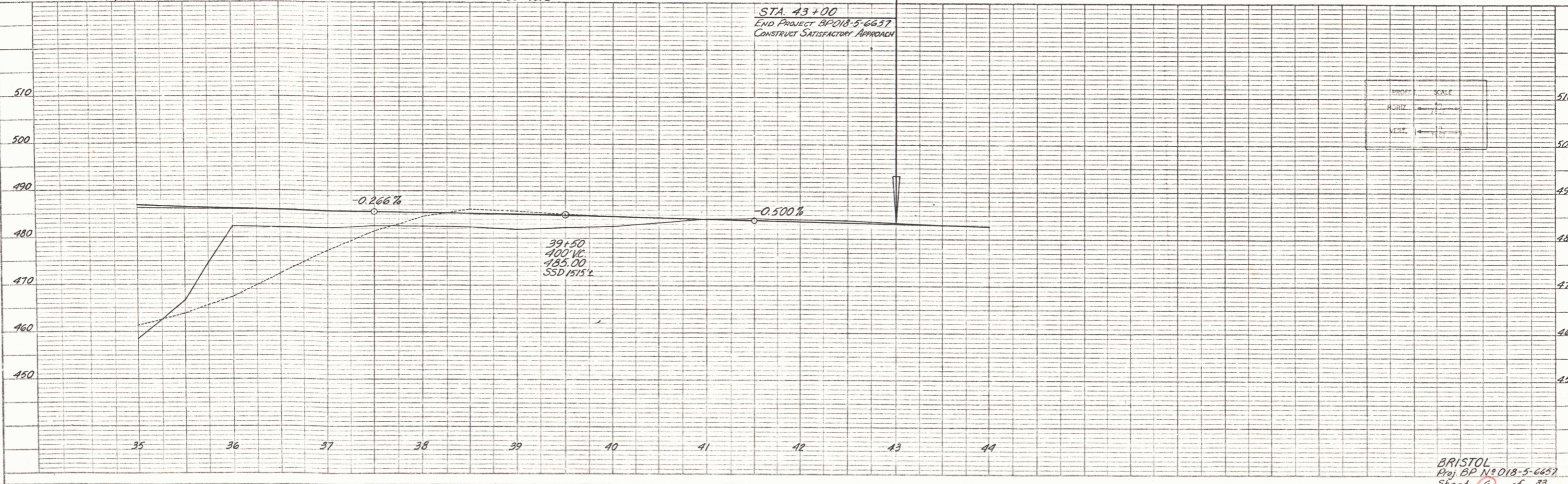
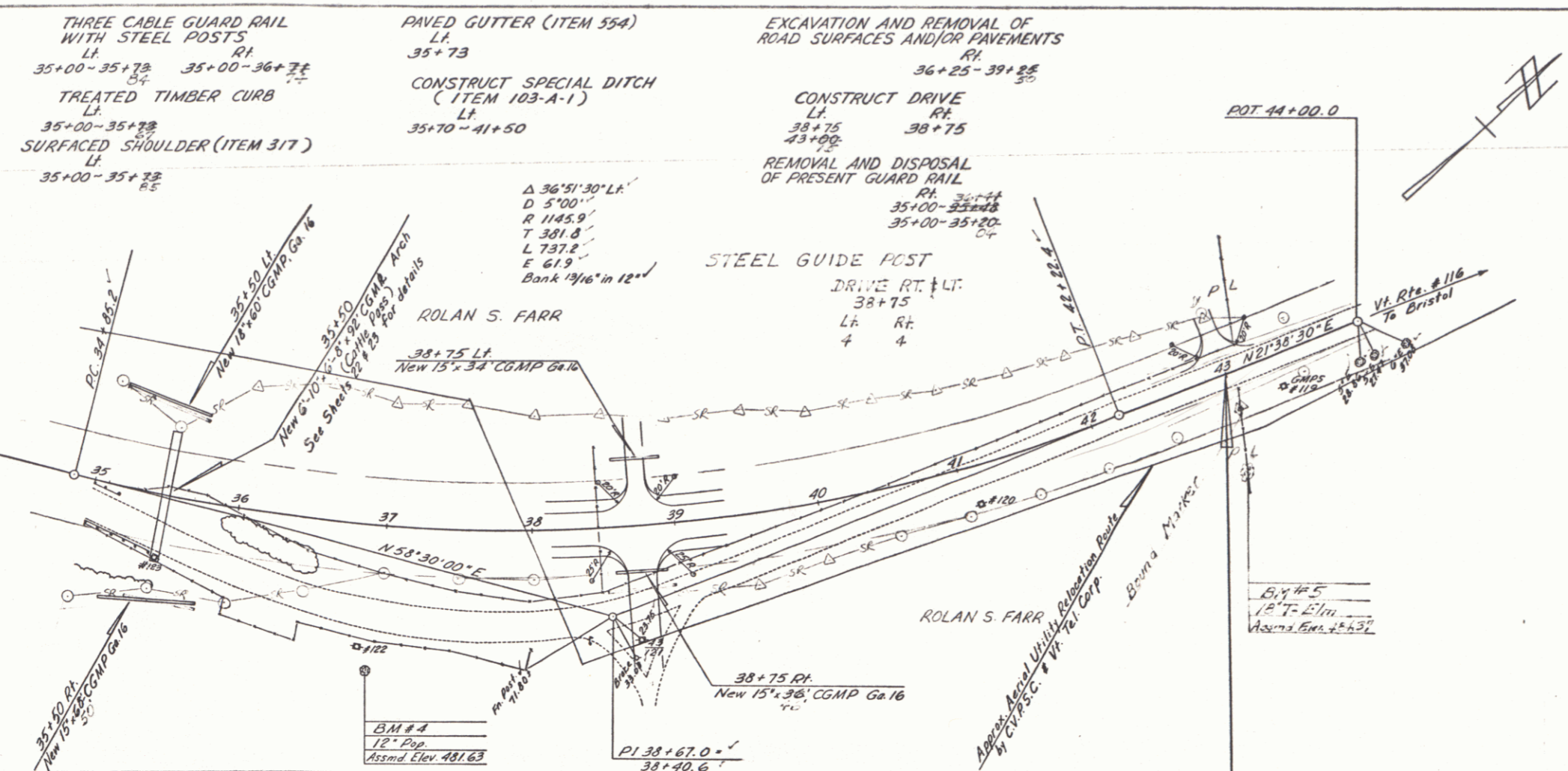
PLAN  
 DRAWN BY  
 CHECKED BY  
 DATE  
 SHEET NO.

PROFILE  
 DRAWN BY  
 CHECKED BY  
 DATE  
 SHEET NO.



PLAN  
 PROJECT: Bristol  
 SHEET: 6 of 33  
 DATE: 11/15/18  
 DRAWN BY: A. Gagnon  
 CHECKED BY: A. Gagnon

PROFILE  
 PROJECT: Bristol  
 SHEET: 6 of 33  
 DATE: 11/15/18  
 DRAWN BY: A. Gagnon  
 CHECKED BY: A. Gagnon



BRISTOL  
 Proj BP N:018-5-6657  
 Sheet 6 of 33

INDEX OF SHEETS

POOR ORIGINAL COPY

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT  
BETTERMENT PROJECT

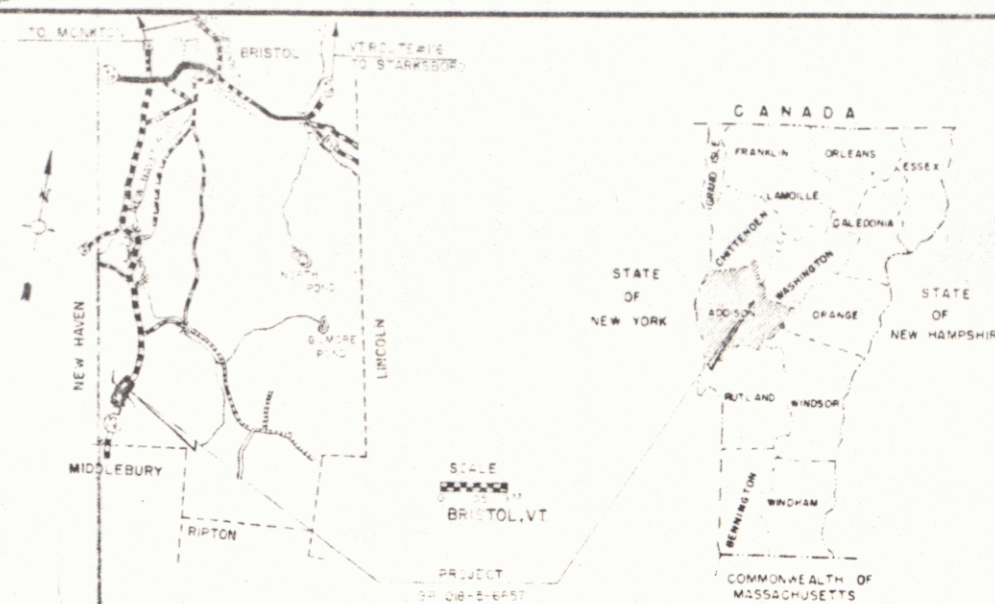
TOWN OF BRISTOL  
COUNTY OF ADDISON  
EAST MIDDLEBURY-BRISTOL ROAD  
VERMONT ROUTE # 116

BEGINNING AT A POINT 0.672 MILE NORTHERLY OF  
THE MIDDLEBURY-BRISTOL TOWN LINE AND EXTENDING  
NORTHEASTERLY 0.379 MILE.  
LENGTH OF PROJECT = 2000.0 FEET = 0.379 MILE

DETAILED DATA  
DETAILED DATA  
DETAILED DATA  
D = 80%  
T = 7%  
V = 50 MPH

MP 0-68

MP 1.04



CONVENTIONAL SIGNS

POINT OF ACCESS	X
LIMITS OF ACCESS	---
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	---
WATER	---
NO CONSTRUCTION IDENTIFICATION SIGNS	---

SLOPE RIGHTS	SR
GRAND ELEVATION	DATA
GRADE ELEVATION	DATA
CURVE DATA	
DEFLECTION OF SINGLE	A
DEFLECTION OF DOUBLE	B
RADIUS OF CURVE	R
TANGENT DISTANCE	T
LENGTH OF CURVE	L
EXTERNAL DISTANCE	E
POINT OF INTERSECTION	PI
POINT OF CURVE	PC
POINT OF TANGENT	PT
POINT ON TANGENT	POT
POINT CHANGING TANGENT	PCHT
REVERSE CURVES	RC

FOR RIGHT OF WAY DETAILS,  
SEE RIGHT OF WAY PLANS FOR THIS PROJECT

CONSTRUCTION AREA  
STA 22+00+STA 44+00

RIGHT-OF-WAY DIVISION  
TOWN FILE  
PERPETUAL  
Town of VT 116  
(To Be Returned To R.O.W. Division)

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE  
REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER  
OF HIGHWAYS.  
CONSTRUCTION OF THIS PROJECT SHALL BE IN ACCORDANCE WITH  
THESE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE  
CONSTRUCTION DATED APRIL 1964, AS APPROVED BY THE BUREAU OF  
PUBLIC ROADS IN OCTOBER 1964, INCLUDING ALL SUBSEQUENT  
APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL  
PROVISIONS AS ARE INCORPORATED IN THOSE PLANS.

APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	APPROVED	PROJECT NO.
DATE	DATE	DATE	DATE	DATE	DATE	DATE	NO. SHEETS

MAY 31 1967

DIST # 5 Plans 4

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS  
RIGHT-OF-WAY PLANS  
DETAIL SHEET  
OF

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
1	BUTLER, HAROLD J. & AVIS V. (HFW)	4	22+00 Lt. 23+70 Lt.	23+75 Lt.	.13A±		DRIVE (T)						
2	FARR, ROLAND S. & RODVA V. (HFW)	4.5	22+00 Rt. 23+24 Rt. 28+04 Lt. 35+50 Rt. & Lt. 35+12 Lt. 35+18 Rt. 38+53 Rt. 39+00 Rt. 43+80 Lt.	44+00 Lt. 37+00 Rt. 43+26 Lt.	2.9A±		SLOPE (T) 1.0A± " 1.2A± RIGHT TO CONSTRUCT CATTLE PASS CULVERT (P) " SLOPE (T) 2500 S.F.± DRIVE (T) "						
3	WIMETT, WENDELL C. & DOROTHY J. (HFW)	4	23+75 Lt. 24+75 Lt. 25+00 Lt.	25+47 Lt. 25+34 Lt.	.1RA±		SLOPE (T) 250 S.F.± DRIVE (T)						
4	FORBES, HAROLD D. & VENA (HFW)	4	25+47 Lt.	26+03 Lt.	1750 S.F.±								
5	O'BRYAN, ERA	4	26+03 Lt. 26+25 Rt. 26+75 Lt.	28+04 Lt. 28+40 Lt.	3900 S.F.±		DRIVE (T) SLOPE (T) 1600 S.F.±						
6	HUMPHREY, GEORGE M. & SANDRA M. (HFW)	5	42+98 Rt.	44+00 Rt.	3250 S.F.±								

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY

MADE BY Thomas C. Rematch DATE May 25, 1967  
CHECKED BY G.J.S. DATE JUNY 25, 1967

PRESENT R.O.W.  
--- --- TAKING WITHOUT ACCESS  
--- P --- TAKING WITHOUT ACCESS ALONG PROPERTY LINES  
--- L --- TAKING WITH ACCESS  
(P) PERMANENT EASEMENT  
(T) TEMPORARY EASEMENT

LEGEND  
--- SR --- SR --- SLOPE RIGHTS  
P --- P --- PROPERTY LINE  
--- Δ --- Δ --- TOP OF CUT  
--- O --- O --- TOE OF SLOPE

APPROVED Thomas C. Rematch DATE 5-21-67  
CHIEF OF ACQUISITION  
APPROVED W. H. [Signature] DATE 5-21-67  
HIGHWAY ENGINEER  
APPROVED [Signature] DATE 5/21/67  
R.O.W. DIRECTOR

PROJECT BRISTOL  
NO. BP 018-5-6657  
SHEET 3 OF 16

ROW



THREE CABLE GUARD RAIL WITH STEEL POSTS  
 LI 35+00-35+73 RI 35+00-36+71  
 TREATED TIMBER CURB  
 LI 35+00-35+73  
 SURFACED SHOULDER (ITEM 317)  
 LI 35+00-35+73

PAVED GUTTER (ITEM 554)  
 LI 35+73  
 CONSTRUCT SPECIAL DITCH (ITEM 103-A-1)  
 LI 35+70-41+50

EXCAVATION AND REMOVAL OF ROAD SURFACES AND/OR PAVEMENTS  
 RI 36+25-39+25  
 CONSTRUCT DRIVE  
 LI 43+00 RI 39+00

$\Delta 36^{\circ}51'30''$  LI  
 D 5100  
 P 1145.0  
 T 381.8  
 L 787.2  
 E 61.9  
 Bank  $1\frac{1}{2}'$  in  $12''$

PLAN  
 SHEET NO. 16  
 PROJECT NO. 018-5-6657  
 STA. 44+00 TO 44+33

PROFILE  
 SHEET NO. 16  
 PROJECT NO. 018-5-6657  
 STA. 44+00 TO 44+33

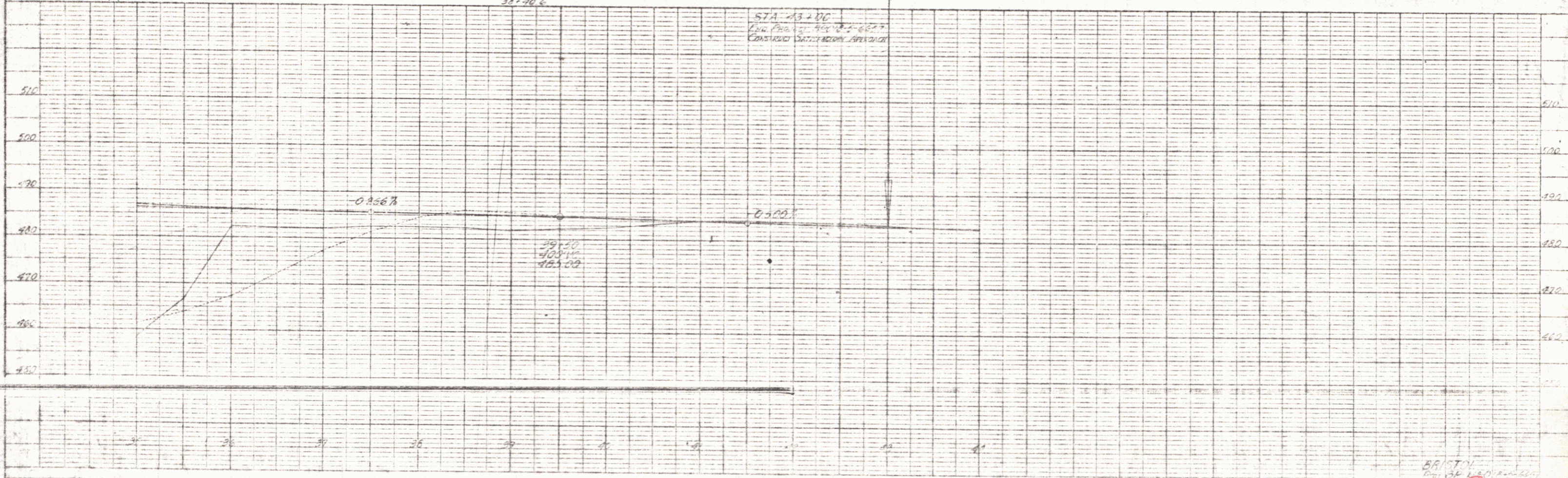
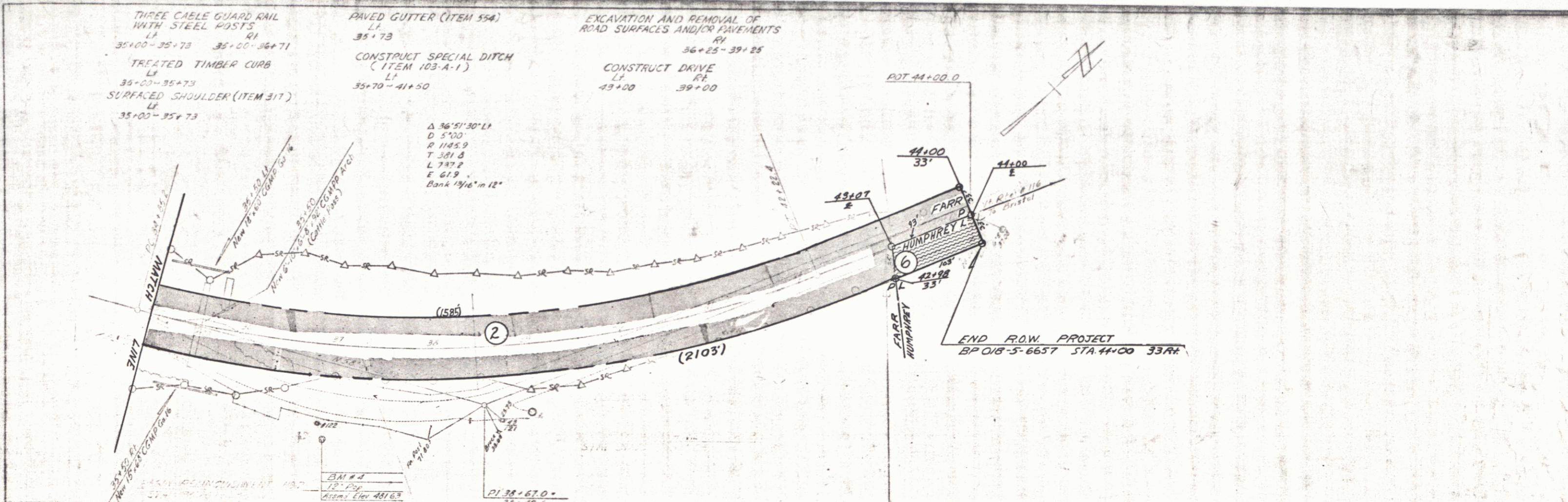


PLATE 1, PLAN PROFILE  
 16

5