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STATE OF WISCONSIN  
STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED  
TOMAHAWK-HARRISON ROAD  
C.T.H. "D"  
LINCOLN COUNTY  
PROJECT S 0567(2)

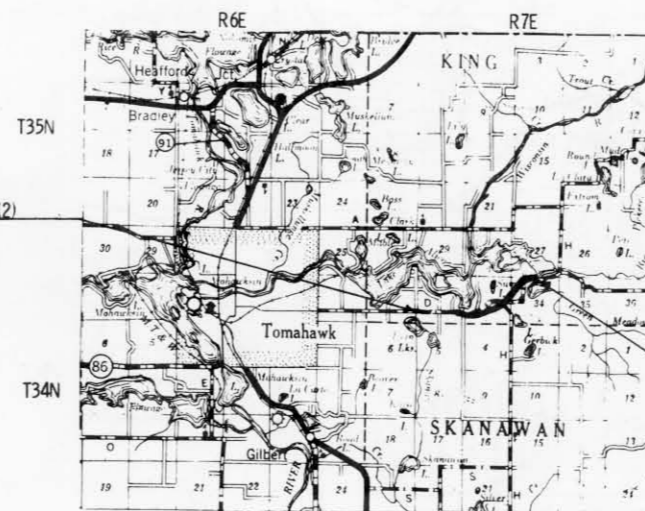
COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		R.P.R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
				4 WIS	1	25

PLAN 1 IN = 100 FT.  
PROFILE HOR. 1 IN. = 100 FT. VERT. 1 IN. = 10 FT.  
CROSS SECTIONS HOR. 1 IN. = 5 FT. VERT. 1 IN. = 5 FT.

DESIGN DESIGNATION

ADT	1967	= 400
ADT	1987	= 800
DHV		= 140
D		= 65%
T		= 17%
V		= 50 M. P. H.

BEGINNING OF PROJECT S 0567(2)  
STA. 8+00  
1307' S. & 204' W. of the E. 1/4  
Cor. Sec. 31, T 35N, R 7E



END OF PROJECT S 0567(2)  
STA. 156+00 PROJ. S 0567(2) =  
13+52 PROJ. D. S. 0567(1)  
31' S. & 30' E. of the N. 1/4 Cor.  
Sec. 34, T 35N, R 7E

N

CONVENTIONAL SIGNS			
STATE LINE	-----	CULVERTS IN PLACE	-----
COUNTY LINE	-----	CULVERTS REQUIRED	-----
TOWNSHIP OR RANGE LINE	-----	DROP INLET	-----
SECTION LINE	-----	POWER POLE	-----
NEW RIGHT OF WAY LINE	-----	TELEPHONE OR TELEGRAPH POLE	-----
PRESENT RIGHT OF WAY LINE	-----	RIGHT OF WAY MARKERS	-----
WIRE FENCE { WOVEN	-----	REFERENCE STAKE FOR HUBS ONLY	-----
BARBED	-----	MARSH	-----
LOT LINE	-----	HEDGE	-----
CORPORATE OR CITY LIMITS	-----	TREES	-----
PROPERTY LINE	-----		
TRAVELED WAY OR P.E.	-----	GROUND ELEVATION	DATUM LINE 73.9
RAILROADS	-----	GRADE ELEVATION	DATUM LINE 73.16
BASE OR SURVEY LINE	-----		

LAYOUT  
SCALE 2 MILES  
TOTAL NET LENGTH OF CENTERLINE = 2.803 MI.

APPROVED FOR LINCOLN COUNTY  
*Francis X Fox*  
2-1-67 COUNTY HIGHWAY COMMISSIONER  
Date Title

STATE HIGHWAY COMMISSION OF WISCONSIN MADISON, WIS.	
SURVEYOR BONKOWSKI	NOTE BOOK 274-267
DIVISION COMPUTER MCNOWN	M. O. CHECKER R.L.C.
DISTRICT CHECKER WINAT	CORRECT
CORRECT:	
DATE 12/15/66	<i>Max Justice</i> DISTRICT ENGINEER
RECOMMENDED FOR APPROVAL:	
DATE 12/28/66	<i>E.J. Byk</i> CHIEF DESIGN ENGINEER
APPROVED:	
DATE 12-28-66	<i>M.J. Burrows</i> STATE HIGHWAY ENGINEER
DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
APPROVED:	
DATE	
DIVISION ENGINEER	

S 0567(2)

# ESTIMATE OF QUANTITIES

B.P.R. REGION	PROJECT	SHEET NO.	TOTAL SHEETS
	S 0567(2)	3	25

THIS PROJECT TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN - EDITION OF 1963 APPROVED OCTOBER 16, 1963, FEDERAL AID REQUIRED CONTRACT PROVISIONS APPROVED OCTOBER 29, 1963, AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS.

SEC. NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING	CLEARING	GRUBBING	GRUBBING	REMOVING SEPTIC TANKS	ABANDONING WELLS	UNCLASSIFIED EXCAVATION	MARSH EXCAVATION	BORROW EXCAVATION	GRANULAR SUBBASE COURSE	FINISHING ROADWAY	OBLITERATING OLD ROAD	TRAFFIC BOUND BASE COURSE	BITUMINOUS ROAD MIX SURFACE	BITUMINOUS MATERIAL FOR SURFACE COURSE	AGGREGATES FOR BITUMINOUS ROAD MIX SURFACE	CULVERT PIPE CLASS III, 18-INCH	CULVERT PIPE CLASS III, 24-INCH	CULVERT PIPE CLASS III, 30-INCH	APRON ENDWALLS FOR CULVERT PIPE, 18-INCH	APRON ENDWALLS FOR CULVERT PIPE, 24-INCH	APRON ENDWALLS FOR CULVERT PIPE 30-INCH	STEEL PLATE BEAM GUARD	ANCHORAGES FOR STEEL PLATE BEAM GUARD	MARKER POSTS	LANDMARK REFERENCE MONUMENTS	SALVAGED TOPSOIL	FERTILIZER
	STA. 8+00 - 156+00	14800.0	26	13.8	26	11.4	1	1	209,510	30,476	8,975	6,100	1	33.5	17,800	37,400	51,000	3,550	564	416	888	34	14	18	687	6	80	10	119,800	120
<b>TOTALS</b>			26 *	13.8 *	26 *	11.4 *	1	1	209,510	30,476	8,975	6,100	1	33.5	17,800	37,400	51,000	3,550	564	416	888	34	14	18	687	6	80	10	119,800	120

\* NOT A PART OF THIS CONTRACT.

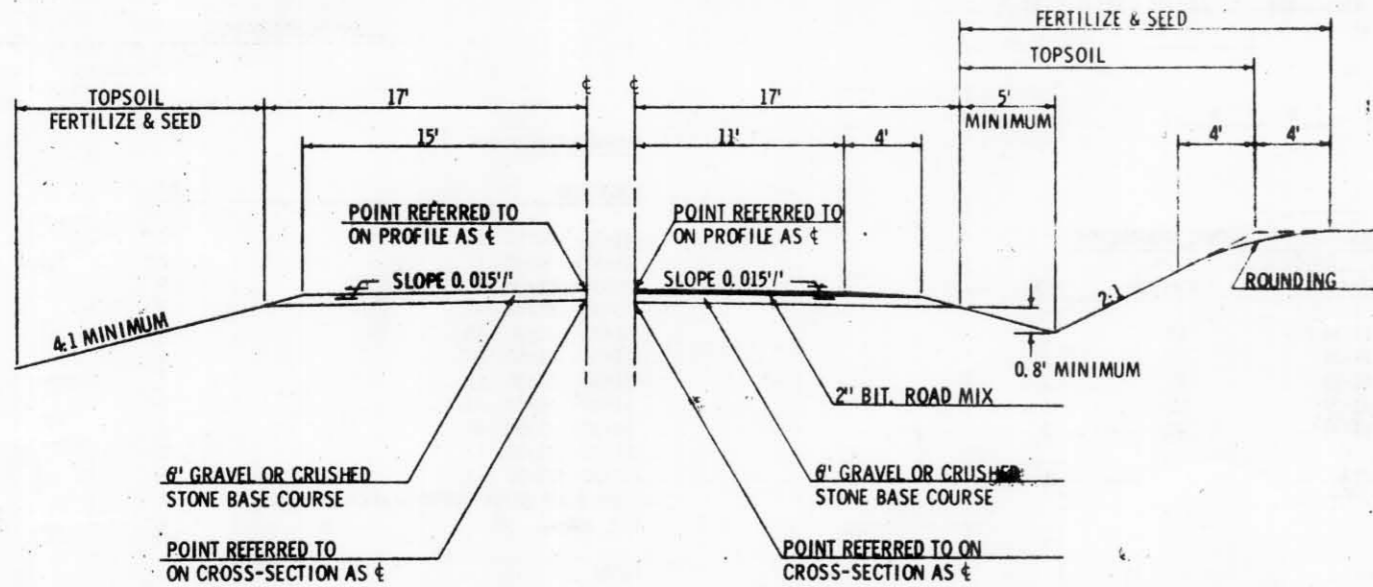
SEC. NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	SEEDING	SODDING	FIELD OFFICE																										
	STA. 8+00 - 156+00	14800.0	132,700	2,960	1																										
<b>TOTALS</b>			132,700	2,960	1																										

### STANDARD DETAIL DRAWINGS

- 6-2.6.4 Apron endwalls for culvert pipe and pipe arch
- 7-1.3.5 Marker post & marker posts for right of way
- 7-2.4.12 Steel plate beam guard & steel beam median guard
- 7-4.1.4 Construction barricade
- 8-1.3.1 Ditch checks, mortar rubble masonry & sod
- 9-1.1.4 Design and layout details for side road at grade intersections
- 12-1.1.2 Landmark reference monuments

### GENERAL NOTES

1. When the quantity of the items of subbase, base or surface course is measured for payment by the ton or cubic yard, the depth or thickness of the course shown on the plans is approximate and the actual thickness will depend on the distribution of the material directed by the engineer.
2. Length of runoff shall be computed with two-thirds of the total runoff on the tangent approach and one-third within the curve. See plan for rate of superelevation. The shoulders shall be built to a full 2' depth with the exception of a 2' vertical curve on the high side of the curve, centered 16' from centerline.
3. SALVAGED Topsoil shall be placed to an approximate depth of 3" at the time of placing.
4. In balances containing marsh excavation, the fill quantity shown in the balance total on the plan sheets includes 10% of the marsh excavation as estimated subsidence.
5. E. B. S. all mouths of cuts as directed by the engineer in the field.

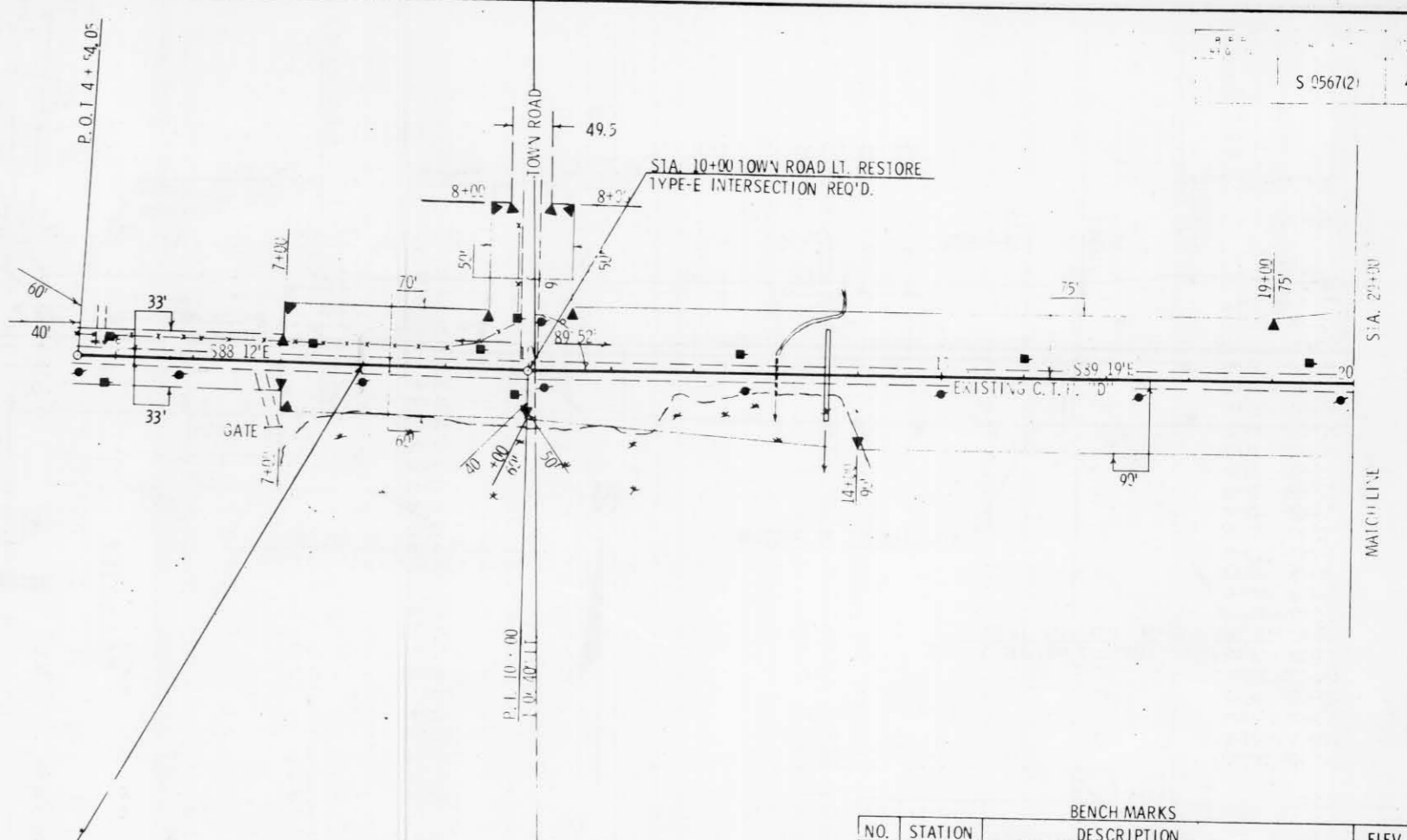


1/2 SECTION SHOWING SIDE ROAD GRAVEL SURFACE

1/2 SECTION SHOWING SIDE ROAD BITUMINOUS SURFACE

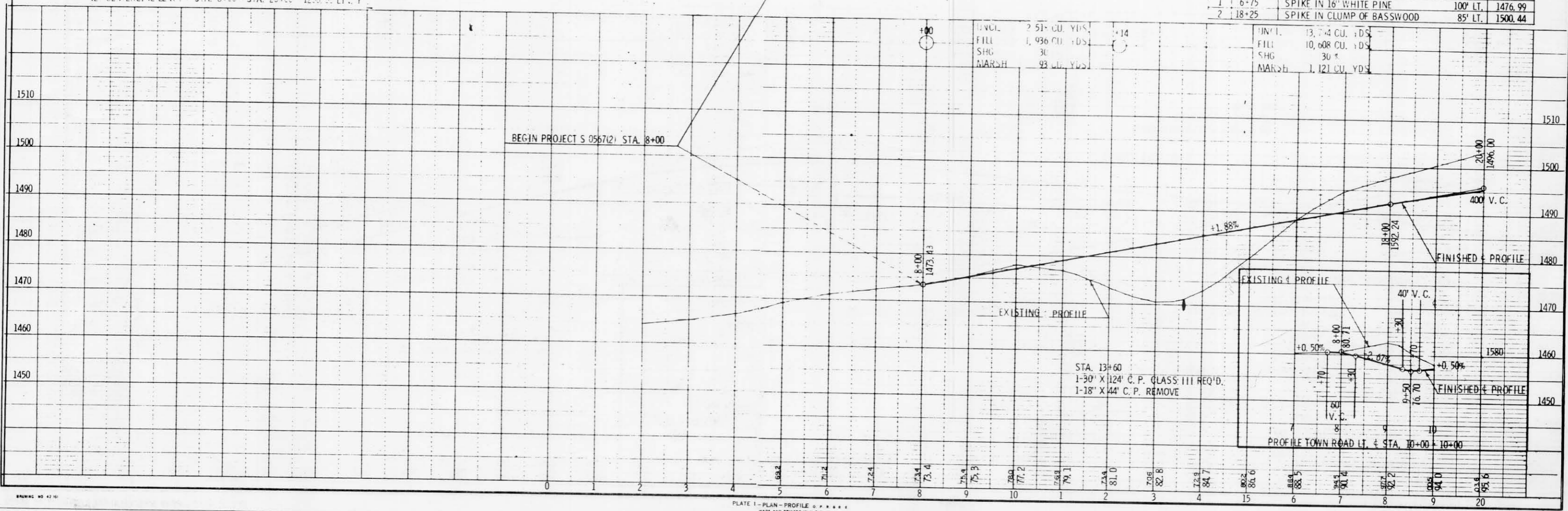
STA. 10+00 LT.  
STA. 36+84 LT. & RT.  
STA. 50+00 LT.  
STA. 63+35 LT. & RT.  
STA. 77+50 LT.

STA. 95+00 LT.  
STA. 109+13 RT.  
STA. 141+38 LT. & RT.



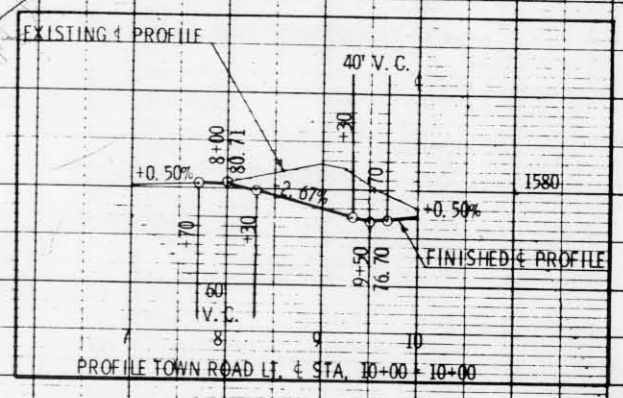
NET CENTERLINE LENGTH STA. 8+00 - STA. 20+00 = 1200.00 L.F.

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1	6+75	SPIKE IN 16" WHITE PINE	100' LT., 1476.99
2	18+25	SPIKE IN CLUMP OF BASSWOOD	85' LT., 1500.44



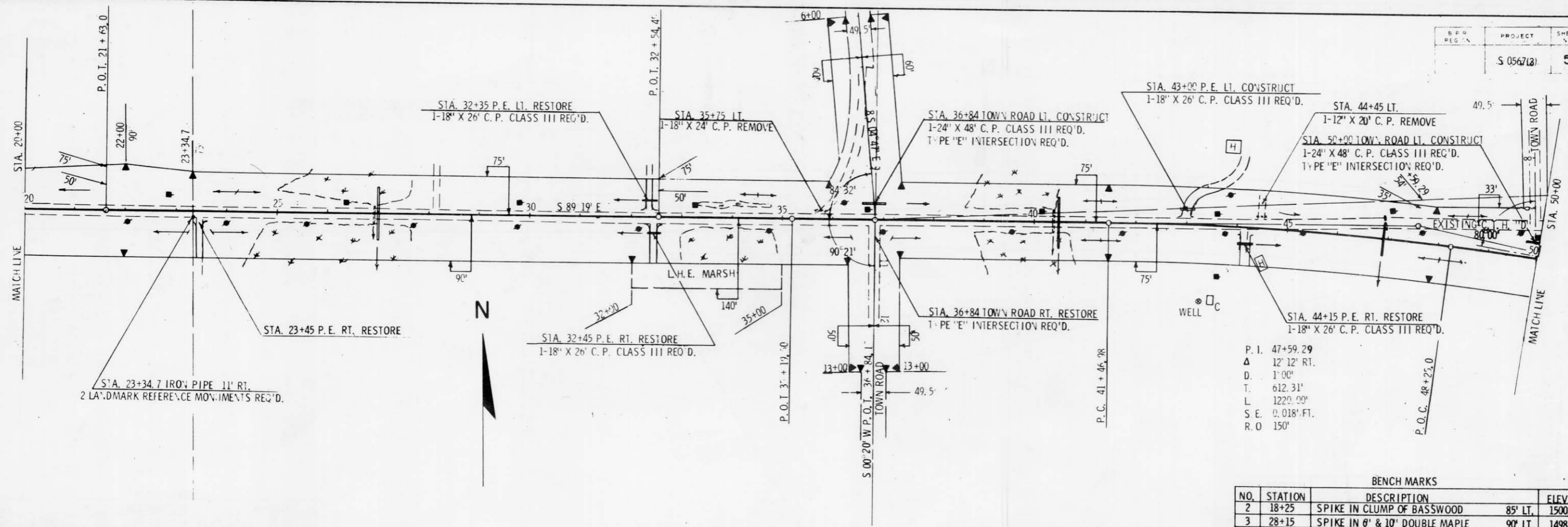
UNCL.	2 51.00 CU. YDS.	FILL	1,936 CU. YDS.	SHG.	30	MARSH	93 CU. YDS.
FINCL.	13,74 CU. YDS.	FILL	10,608 CU. YDS.	SHG.	30	MARSH	1,121 CU. YDS.

STA. 13+60  
 1-30" X 124' C.P. CLASS III REQ'D.  
 1-18" X 44' C.P. REMOVE



PROFILE  
 SUBMITTED  
 NOTE BOOK  
 GARDEN CHECKED  
 B.M. NOTED  
 NO. 5756201010474000000

BRUNING NO. 42 (10)



P. I. 47+59.29  
 Δ 12' 12" RT.  
 D. 1' 00"  
 T. 612.31'  
 L. 1220.00'  
 S. E. 0.018° FT.  
 R. O. 150'

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
2	18+25	SPIKE IN CLUMP OF BASSWOOD	85' LT. 1500.44
3	28+15	SPIKE IN 8' & 10' DOUBLE MAPLE	90' LT. 1498.28
4	37+50	SPIKE IN 10' WHITE BIRCH	95' LT. 1505.80
5	47+50	SPIKE IN 14' MAPLE	75' LT. 1487.81

NET CENTERLINE LENGTH STA. 20+00 - STA. 50+00 3,000.00 L.V. FT.

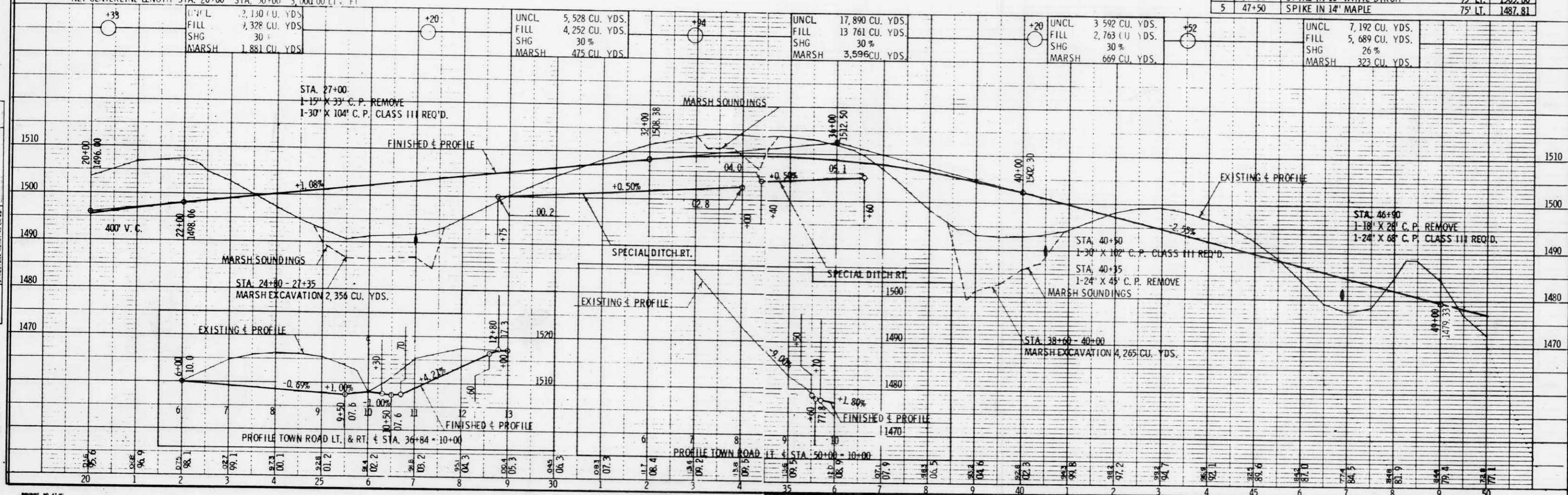


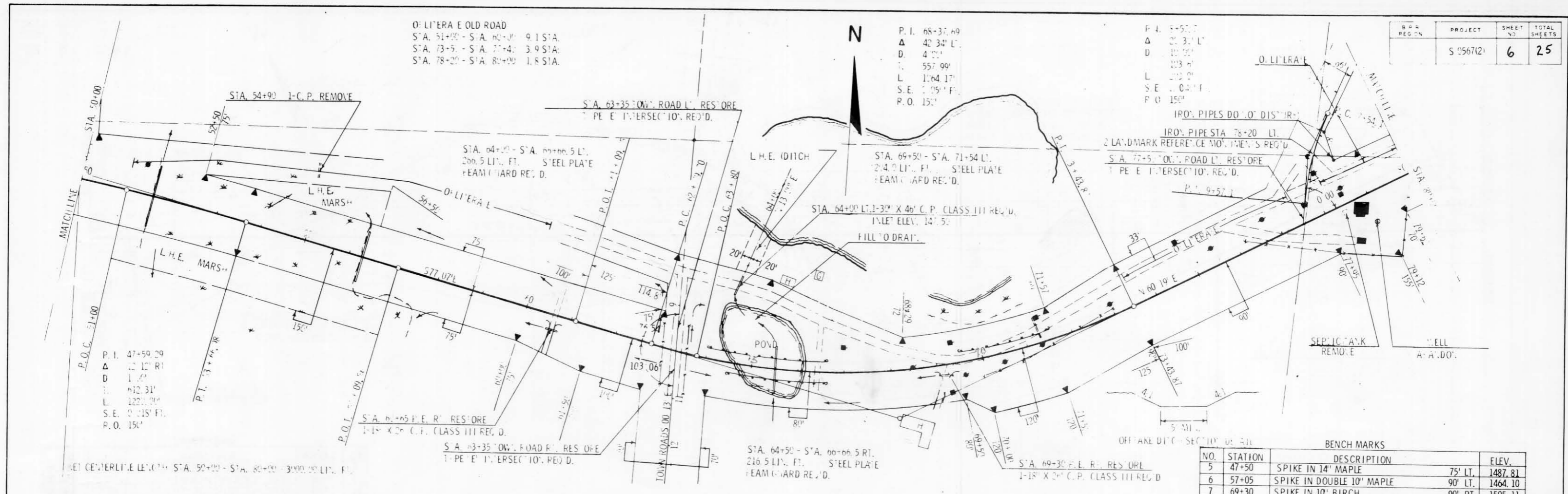
PLATE 1 - PLAN - PROFILE

OLLIERA E OLD ROAD  
 S.A. 51+00 - S.A. 60+00 9.1 STA.  
 S.A. 73+50 - S.A. 77+40 3.9 STA.  
 S.A. 78+20 - S.A. 80+00 1.8 STA.

P.I. 68+37.69  
 Δ 42.34' L.  
 D. 4.00'  
 L. 557.99'  
 L. 1064.17'  
 S.E. 1.05' F.  
 P.O. 150'

P.I. 8+50.7  
 Δ 21.34' L.  
 D. 10.00'  
 L. 103.00'  
 L. 203.00'  
 S.E. 0.21' F.  
 P.O. 150'

B.P.R. REGION	PROJECT	SHEET NO.	TOTAL SHEETS
	S 056742	6	25



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
5	47+50	SPIKE IN 14' MAPLE	1487.81
6	57+05	SPIKE IN DOUBLE 10' MAPLE	1464.10
7	69+30	SPIKE IN 10' BIRCH	1505.11
8	82+00	SPIKE IN CLUMP OF WHITE BIRCH	1496.83

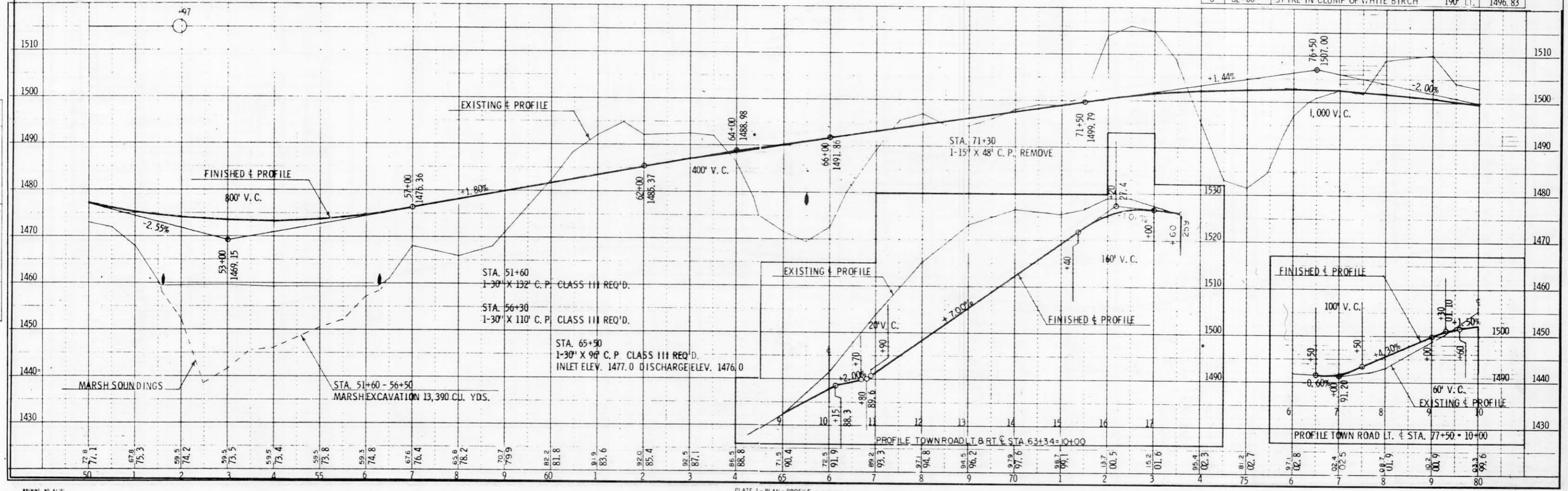
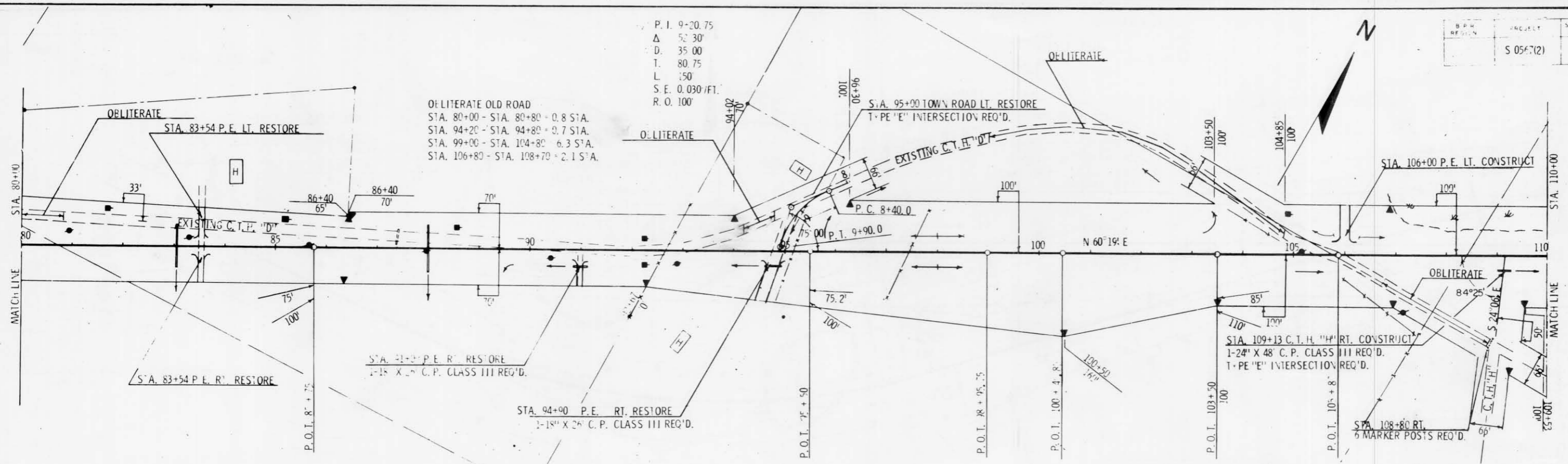


PLATE 1 - PLAN - PROFILE

P. I. 9-20.75  
 $\Delta$  52.30'  
D. 35.00  
T. 80.75  
L. 150  
S. E. 0.030'/FT.  
R. O. 100'

OBLITERATE OLD ROAD  
STA. 80+00 - STA. 80+80 = 0.8 STA.  
STA. 94+20 - STA. 94+80 = 0.7 STA.  
STA. 99+00 - STA. 104+80 = 6.3 STA.  
STA. 106+80 - STA. 108+70 = 2.1 STA.

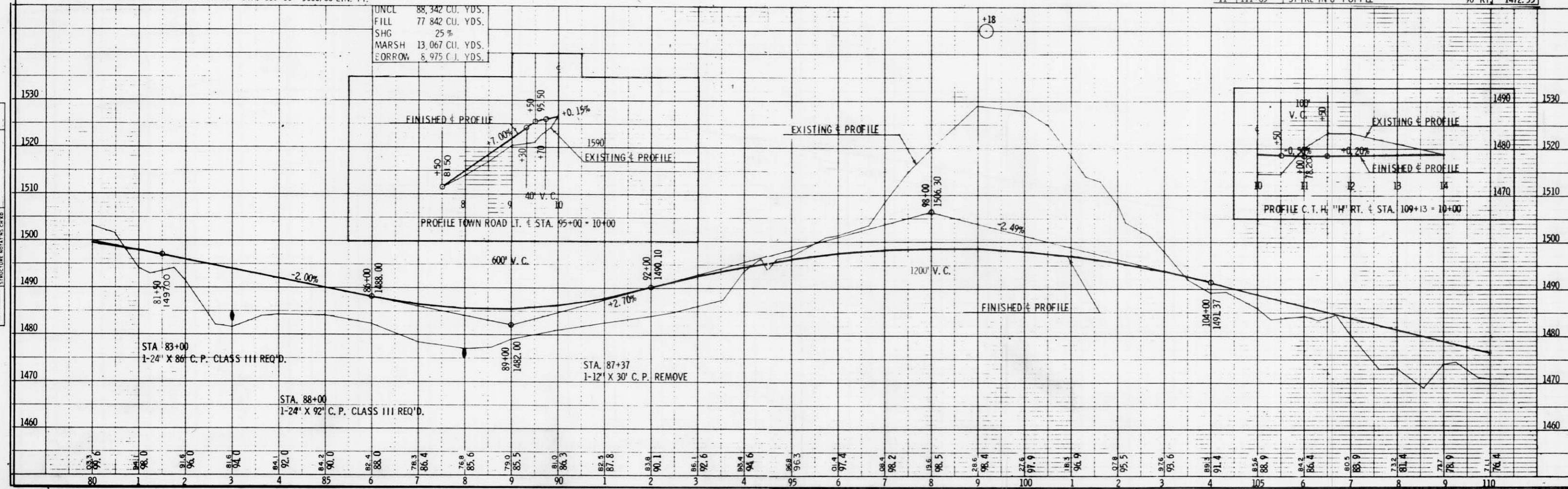


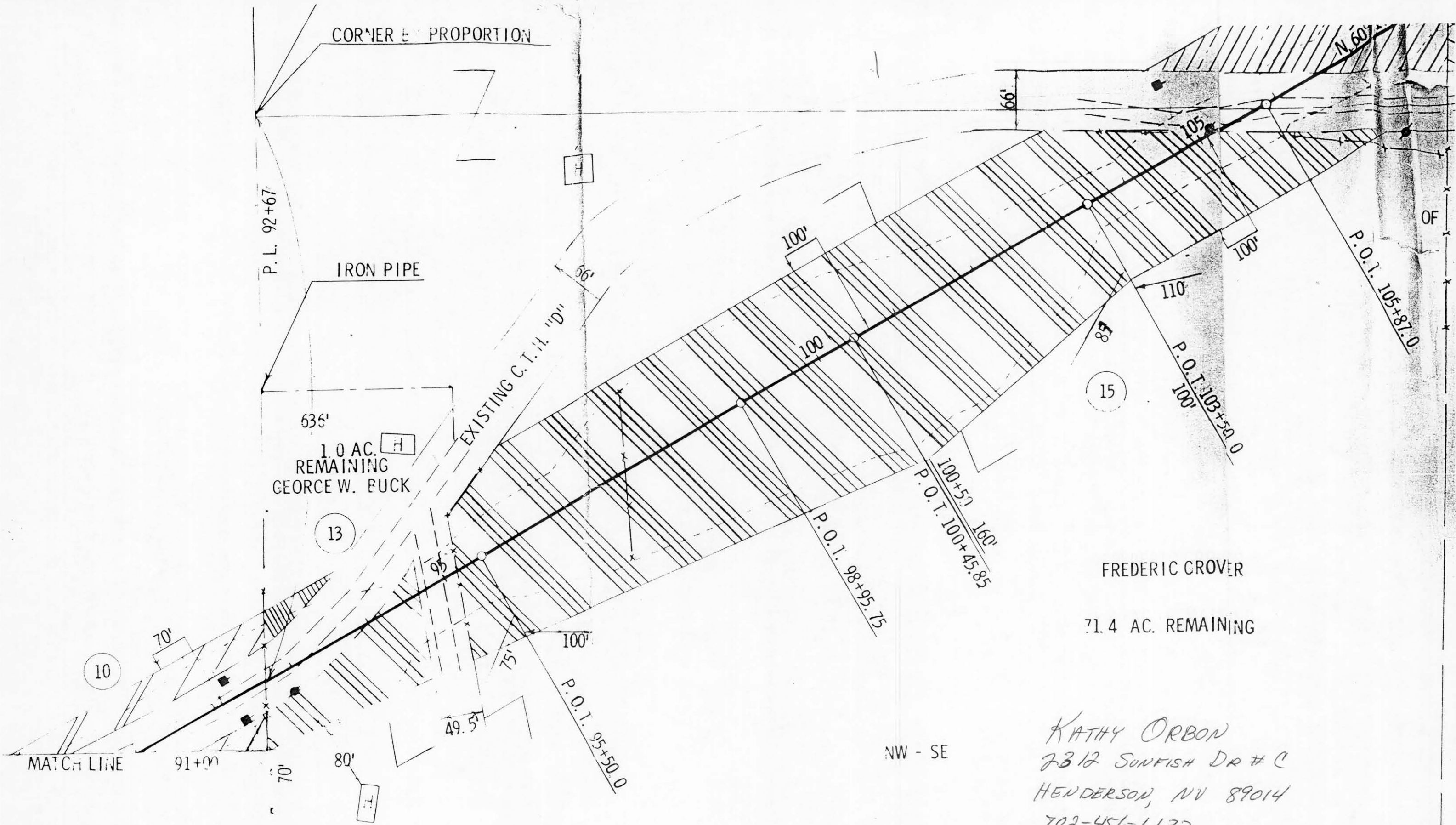
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
8	82+00	SPIKE IN CLUMP OF WHITE BIRCH	1496.83
9	105+60	SPIKE IN 8' WHITE BIRCH	1481.92
10	109+00	MARK ON $\frac{1}{2}$ JCT. C.T.H. 'D' & 'H'	1483.80
11	111+85	SPIKE IN 8' POPPLE	1472.35

NET CENTERLINE LENGTH STA. 80+00 - STA. 110+00 = 3000.00 LIN. FT.

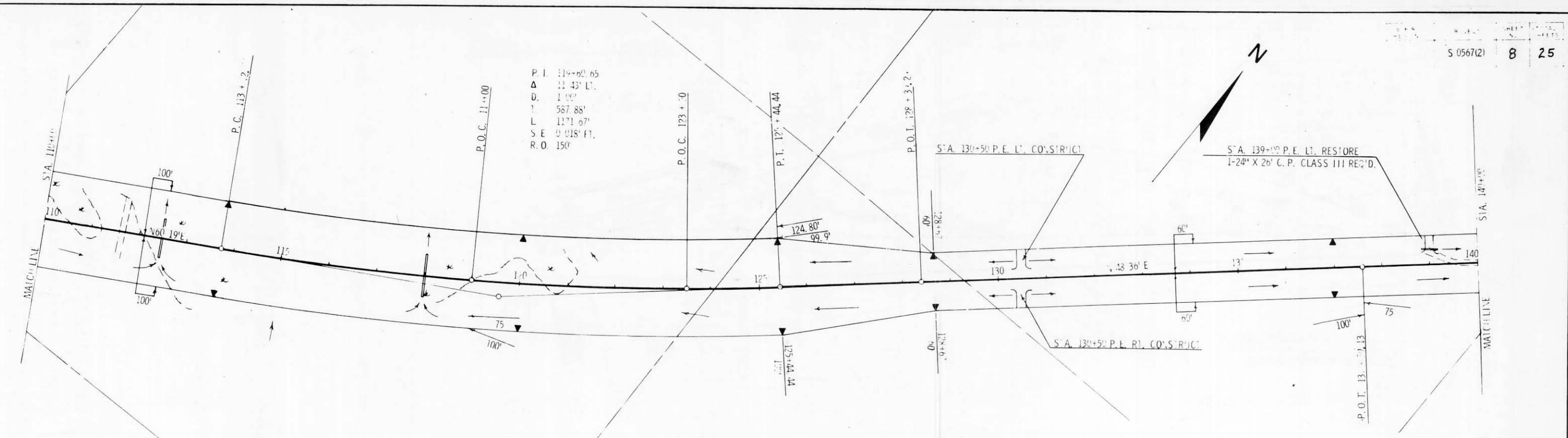
UNCL 88,342 CU. YDS.  
FILL 77,842 CU. YDS.  
SHG 25 %  
MARSH 13,067 CU. YDS.  
BORROW 8,975 CU. YDS.





~~ROBERT V. HARGREAVES~~  
 OR

P. I. 119+60.65  
 Δ 11 43' LT.  
 D. 1 00'  
 T. 587.88'  
 L. 1171.67'  
 S E 0 018' FT.  
 R. O. 150'

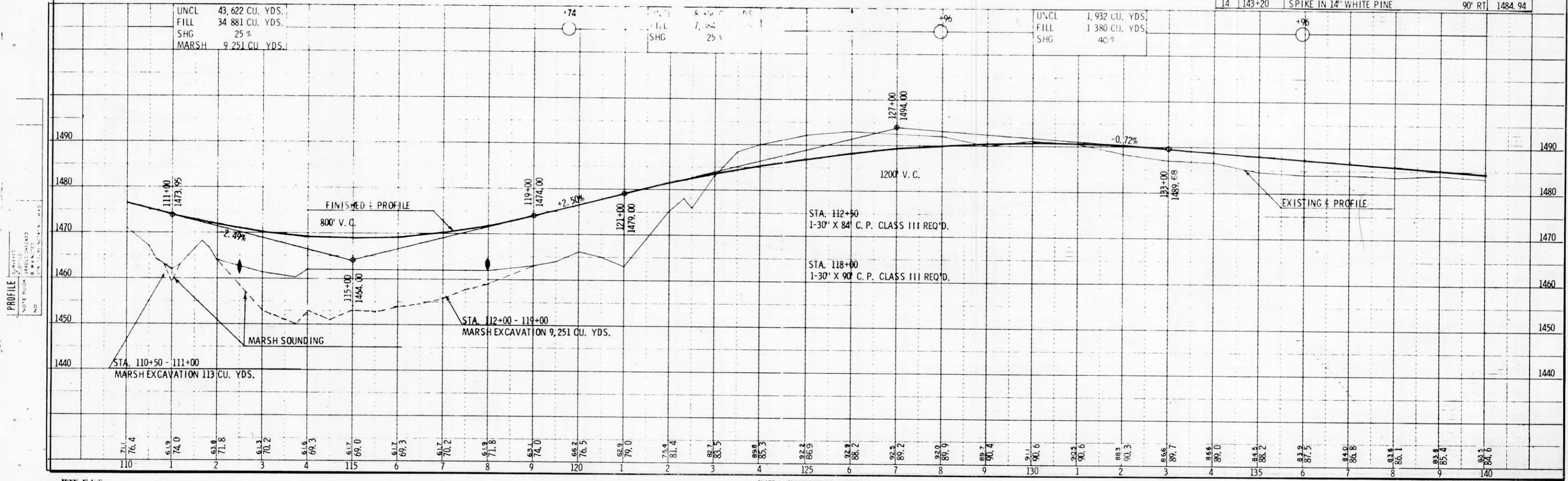


NET CENTERLINE LENGTH STA. 110+00 - STA. 140+00 = 30.00 STATION

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
11	111+85	SPIKE IN 8" POPPLE	90' RT. 1472.35
12	121+50	SPIKE IN 16" NORWAY PINE	150' LT. 1468.20
13	132+75	SPIKE IN 10" NORWAY PINE	125' LT. 1488.16
14	143+20	SPIKE IN 14" WHITE PINE	90' RT. 1484.94

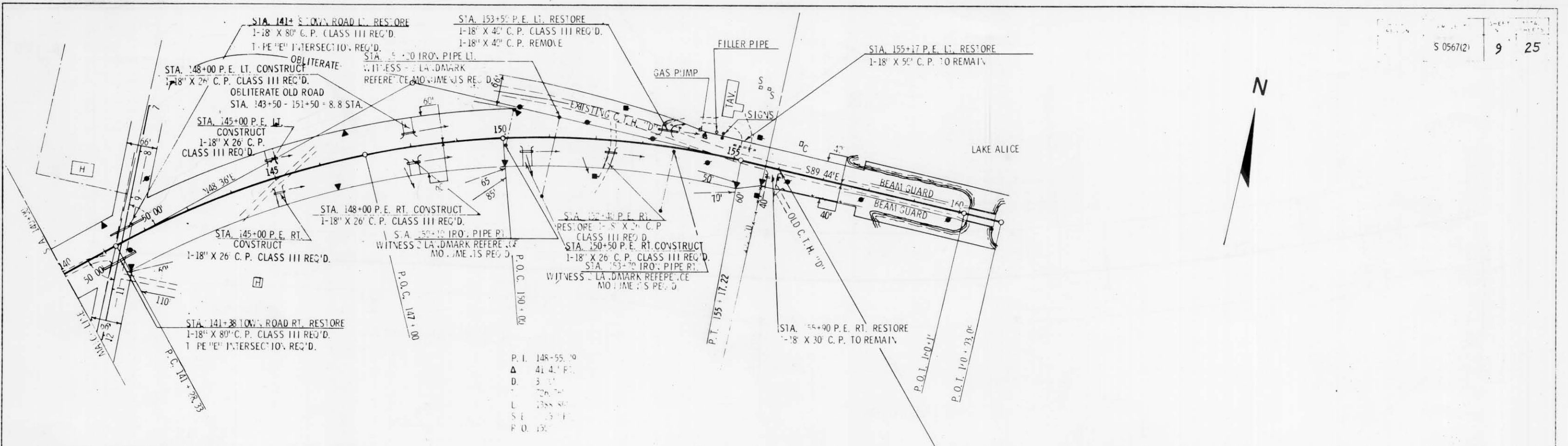
UNCL 43,622 CU. YDS.  
 FILL 34,881 CU. YDS.  
 SHG 25 %  
 MARSH 9,251 CU. YDS.

UNCL 1,932 CU. YDS.  
 FILL 1,380 CU. YDS.  
 SHG 40 %



PROFILE  
 NO. 1  
 NOTE BOOK  
 BENCHMARKS  
 NO. 1





- P. I. 148-55.00
- Δ 41.41 P.I.
- D. 3.00
- L. 138.80
- S.E. 1.31%
- P.O. 152.00

E.O.D OF PROJECT S 0567(2) STA. 156+00

NET CENTERLINE LENGTH STA. 140+00 - STA. 156+00 = 1600.00 LIN. FT

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
14	143+20	SPIKE IN 14' WHITE PINE	90' RT. 1484.94
15	155+00	BOLT IN 20' WHITE PINE	57' RT. 1471.85

