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- SHEET NO. 8 STANDARD DETAILS
- SHEET NO. - DRAINAGE STRUCTURES
- SHEET NO. - CROSS SECTIONS

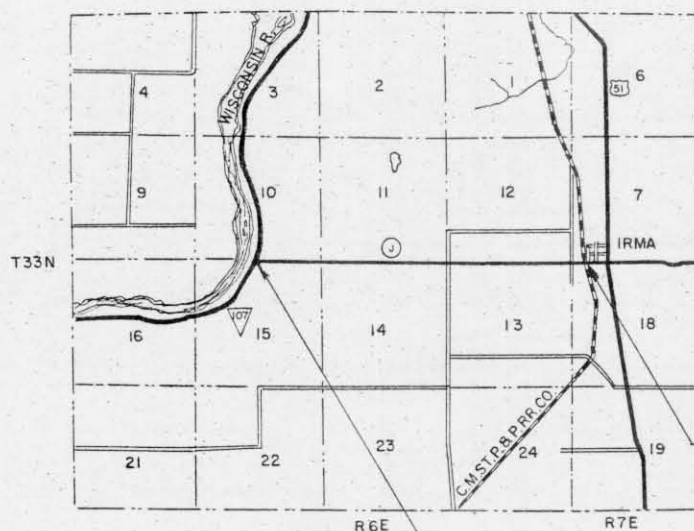


STATE OF WISCONSIN  
STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED  
S.T.H. 107-IRMA ROAD  
C.T.H. "J"  
LINCOLN COUNTY  
PROJECT S0570(9)

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		S.P.R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
35.6	570.0	11	9	4 WIS.	1	8

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.



END OF PROJ. S 0570(9) = END OF PROJ. S 0570(6) - 1960  
 STA. 149+98  
 489.5' E OF SEC. COR.  
 SEC. 12, 13 T 33N R 6E  
 AND SEC. 7, 16, T 33N, R 7E.

BEGIN PROJ. S 0570(9) = BEGINNING OF PROJ. S 0570(6) - 1960  
 STA. 10+15  
 150' W. OF THE S. 1/4 COR. OF  
 SEC. 10, T 33N, R 6E.

LAYOUT  
SCALE 1 MILE

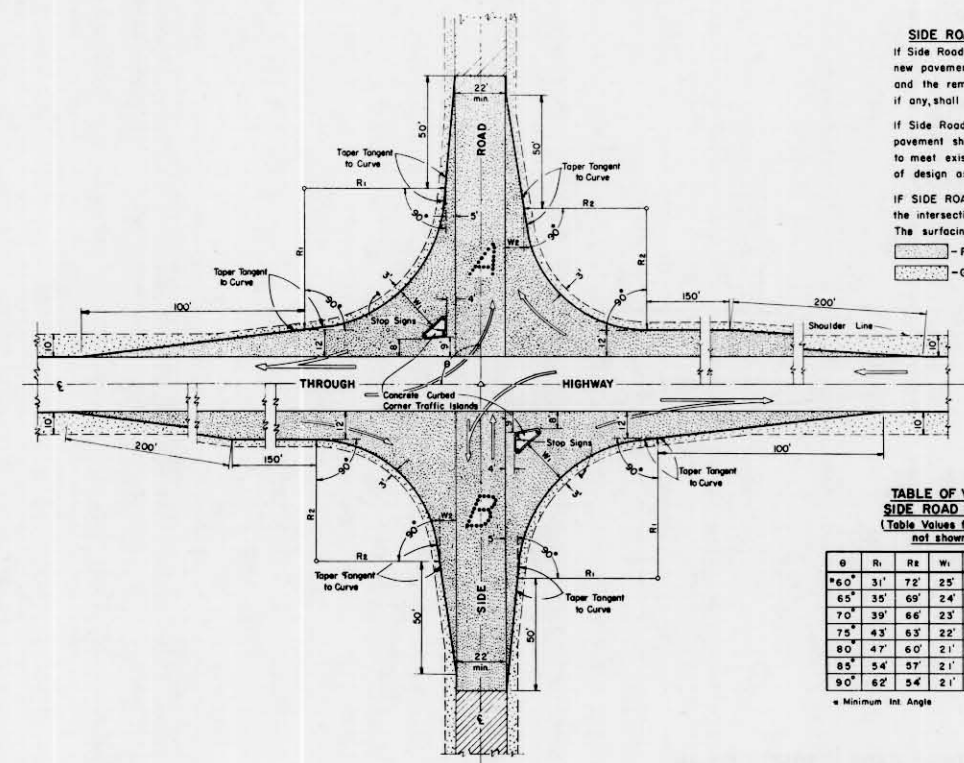
TOTAL NET LENGTH OF CENTERLINE = 2.648 MI.

CONVENTIONAL SIGNS

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>STATE LINE</li> <li>COUNTY LINE</li> <li>TOWNSHIP OR RANGE LINE</li> <li>SECTION LINE</li> <li>NEW RIGHT OF WAY LINE</li> <li>PRESENT RIGHT OF WAY LINE</li> <li>WIRE FENCE { WOVEN, BARBED }</li> <li>LOT LINE</li> <li>CORPORATE OR CITY LIMITS</li> <li>PROPERTY LINE</li> <li>TRAVELED WAY OR P.E.</li> <li>RAILROADS</li> <li>BASE OR SURVEY LINE</li> </ul> | <ul style="list-style-type: none"> <li>CULVERTS IN PLACE</li> <li>CULVERTS REQUIRED</li> <li>DROP INLET</li> <li>POWER POLE</li> <li>TELEPHONE OR TELEGRAPH POLE</li> <li>RIGHT OF WAY MARKERS</li> <li>REFERENCE STAKE FOR HUBS ONLY</li> <li>MARSH</li> <li>HEDGE</li> <li>TREES</li> <li>GROUND ELEVATION</li> <li>GRADE ELEVATION</li> </ul> |
|--|--|

STATE HIGHWAY COMMISSION OF WISCONSIN MADISON, WIS.	
SURVEYOR: J.B.	NOTE BOOK: I.B.M.
DIVISION COMPUTER: J.B.	M. O. CHECKER: R.L.C.
DISTRICT CHECKER: H.G.	CORRECT
CORRECT:	
DATE: 4/27/61 <i>Max Smith</i> DISTRICT ENGINEER	
RECOMMENDED FOR APPROVAL:	
DATE: 5/4/61 <i>J.P. Kelly</i> ENGINEER OF DESIGN	
APPROVED:	
DATE: 5/9/61 <i>E.L. Pettigrew</i> STATE HIGHWAY ENGINEER	
DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
APPROVED: _____ DATE _____	
DIVISION ENGINEER	

S 0570(9)



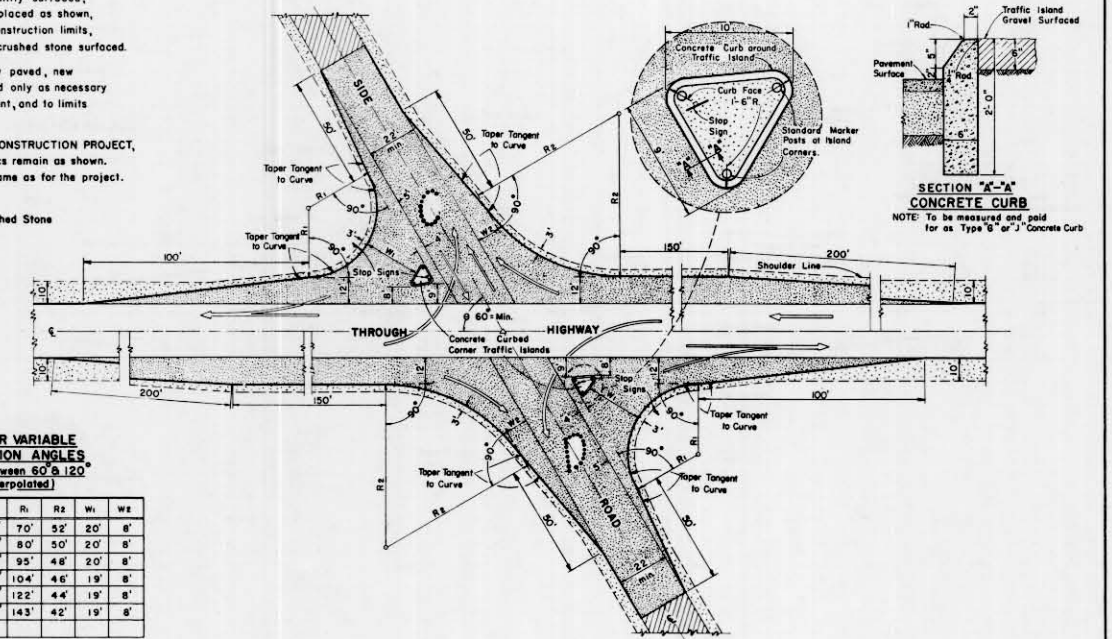
**SIDE ROAD SURFACING NOTE**  
 If Side Road is not presently surfaced, new pavement shall be placed as shown, and the remainder to construction limits, if any, shall be gravel or crushed stone surfaced.  
 If Side Road is presently paved, new pavement shall be placed only as necessary to meet existing pavement, and to limits of design as shown.  
 IF SIDE ROAD IS THE CONSTRUCTION PROJECT, the intersection geometrics remain as shown. The surfacing shall be as for the project.

— Pavement  
 — Gravel or Crushed Stone

**TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES**  
 (Table Values for Angles between 60° & 120° not shown shall be interpolated)

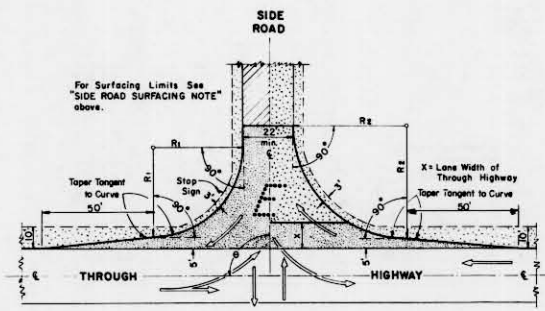
θ	R <sub>1</sub>	R <sub>2</sub>	W <sub>1</sub>	W <sub>2</sub>	θ	R <sub>1</sub>	R <sub>2</sub>	W <sub>1</sub>	W <sub>2</sub>
60°	31'	72'	25'	10'	95°	70'	52'	20'	8'
65°	35'	69'	24'	9'	100°	80'	50'	20'	8'
70°	39'	66'	23'	8'	105°	95'	46'	20'	8'
75°	43'	63'	22'	8'	110°	104'	46'	19'	8'
80°	47'	60'	21'	8'	115°	122'	44'	19'	8'
85°	54'	57'	21'	8'	120°	143'	42'	19'	8'
90°	62'	54'	21'	8'					

• Minimum Int. Angle      •• Maximum Int. Angle



**SECTION "A-A" CONCRETE CURB**  
 NOTE: To be measured and paid for as Type "B" or "J" Concrete Curb

**MAJOR SIDE ROAD INTERSECTION DESIGN DETAILS**  
 To be used only when current ADT on Through Highway is 1500 or over, and on Side Road is Over 200



**TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES**  
 (Table Values for Angles between 60° & 120° not shown shall be interpolated)

θ	R <sub>1</sub>	R <sub>2</sub>	θ	R <sub>1</sub>	R <sub>2</sub>
60°	4'0"	5'0"	95°	4'5"	4'9"
65°	4'0"	5'0"	100°	5'0"	4'8"
70°	4'0"	5'0"	105°	5'5"	4'7"
75°	4'0"	5'0"	110°	6'0"	4'6"
80°	4'0"	5'0"	115°	6'5"	4'5"
85°	4'0"	5'0"	120°	7'0"	4'4"
90°	4'0"	5'0"			

• Minimum Int. Angle      •• Maximum Int. Angle

**MINOR SIDE ROAD INTERSECTION DESIGN DETAILS**  
 To be used when current ADT on Through Highway is Less than 1500 or on Side Road is Less than 200

**GENERAL NOTES**  
 Designs "A", "B", "C", "D", or "E" may be used interchangeably in combination or separately for any one complete intersection depending upon Traffic Volume, intersection angle and Surfacing of each approach roadway.

Details on this drawing are for Minimum Design Only, and not applicable to Special Conditions, as shown elsewhere on the plans.

**DESIGN & LAYOUT DETAILS FOR SIDE ROAD AT GRADE INTERSECTIONS (RURAL IN CHARACTER)**

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL  
 DATE: 1/17/58  
 APPROVED: [Signature]  
 DATE: 1/17/58  
 STATE HIGHWAY ENGINEER

PLATE NO. 9-11.3

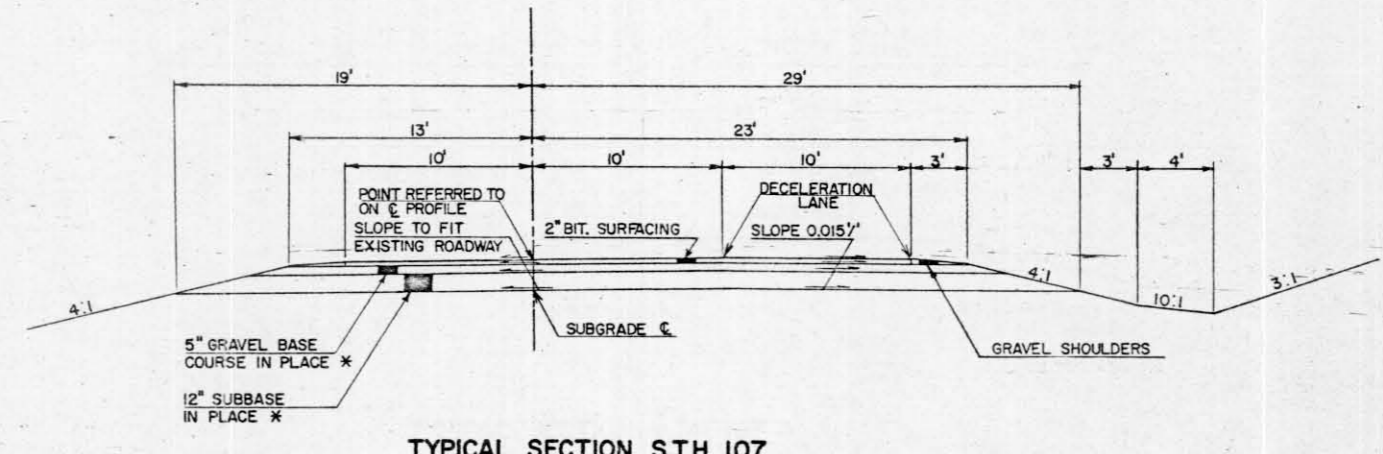
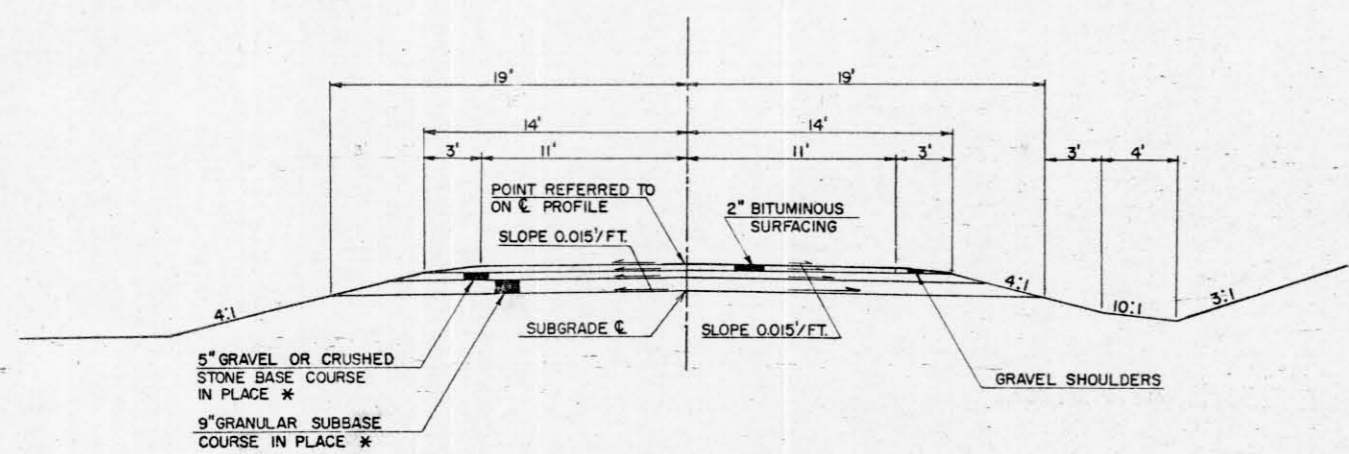
# ESTIMATE OF QUANTITIES

CONTRACT NO. 1

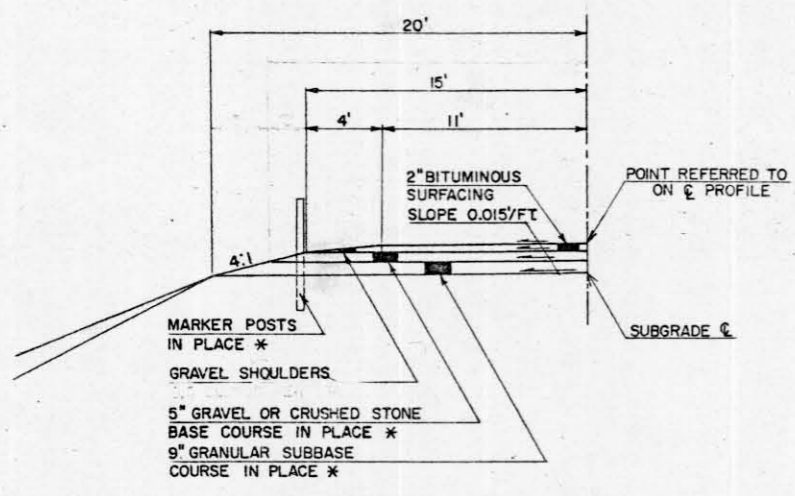
PROJECT	SHEET NUMBER	TOTAL SHEETS
S 0570(9)	2	8

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN — EDITION OF 1957  
APPROVED AUGUST 9, 1957, AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS.

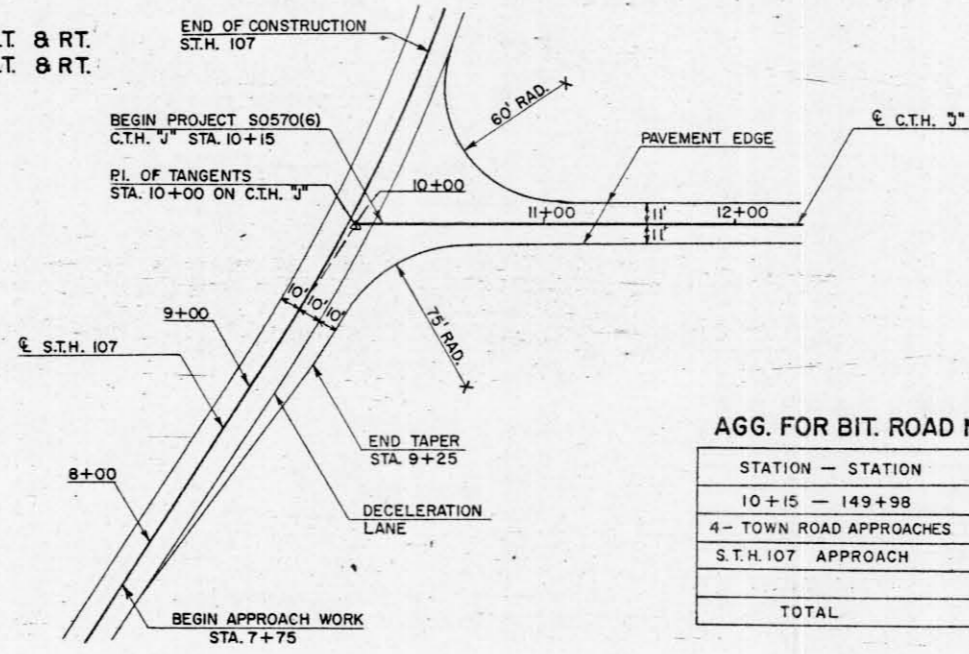
STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING		EXCAVATION			SAND GRAVEL FILL	FINISHING ROADWAY	OBLITERATING OLD ROAD	TRAFFIC BOUND BASE COURSE	CULVERT PIPE				GUARD FENCE		MARKER POSTS FOR R/W	MARKER POSTS FOR R/W	BIT. ROAD MIX SURF	AGG. FOR BIT. ROAD MIX SURF.	BIT. MAT. FOR SURF. CRSE.	TOPSOIL		FER-TILIZER	SEEDING	
		2101-	2101-	210-	210-	210-					2110-1	2114-1	2116-1	2204-1	23	2512-1						2523-	2523-			2523-5
UNIT	LIN. FT.			C.Y.	C.Y.	C.Y.	C.Y.	STA.	STA.	CU.YD.	C.Y.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	C.Y.	LIN. FT.	EACH	EACH	SQ. YD.	CU. YD.	GAL.	SQ. YD.	SQ. YD.	CWT.	SQ. YD.
10+15 — 149+98	13,983									600										35,200	2,500	50,000				



**TYPICAL TANGENT SECTION**  
 10+15 — 22+00 LT. & RT.      85+00 — 107+00 LT. & RT.  
 25+90 — 26+60 RT.            118+00 — 149+98 LT. & RT.  
 26+60 — 81+00 LT. & RT.



**SPECIAL FILL HALF SECTION**  
 22+00 — 25+90 LT. & RT.  
 25+90 — 26+60 LT.  
 81+00 — 85+00 LT. & RT.  
 107+00 — 118+00 LT. & RT.



**DETAIL OF INTERSECTION**  
S.T.H. 107 & C.T.H. J

**AGG. FOR BIT. ROAD MIX SURFACE**

STATION — STATION	CU. YDS.
10+15 — 149+98	2410
4 — TOWN ROAD APPROACHES	20
S.T.H. 107 APPROACH	70
<b>TOTAL</b>	<b>2500</b>

**APPLICABLE STANDARD DETAIL DRAWINGS**  
 9-1.1.3 DESIGN AND LAYOUT DETAILS FOR SIDE ROAD AT GRADE INTERSECTION

**GRAVEL FOR SHOULDERS**

STATION — STATION	CU. YDS.
10+15 — 22+00	48
22+00 — 25+90.	20
25+90 — 26+60	3
26+60 — 81+00	218
81+00 — 85+00	20
85+00 — 107+00	88
107+00 — 118+00	55
118+00 — 149+98	128
S.T.H. 107 APPR.	20
<b>TOTAL</b>	<b>600</b>

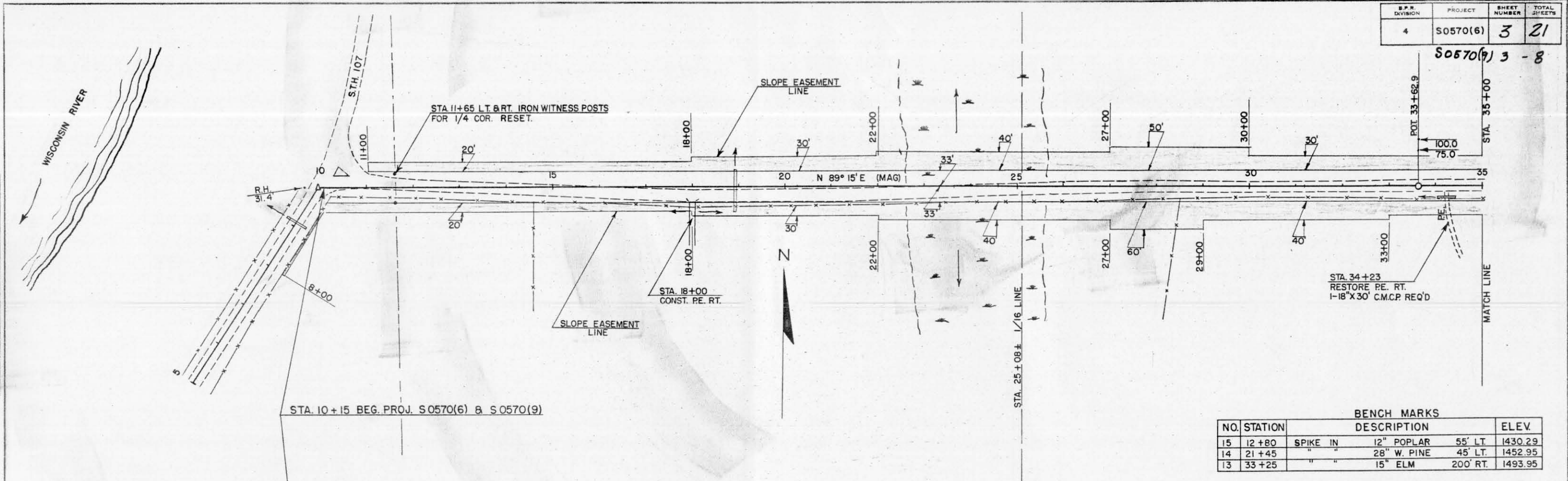
NOTE: WHEN THE QUANTITY OF THE ITEMS OF SUBBASE, BASE OR SURFACE COURSE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL DIRECTED BY THE ENGINEER.  
 SHEET 3-7 ARE INCLUDED TO SHOW PROFILE AND ALIGNMENT ONLY.  
 OTHER INFORMATION NOT PERTINENT TO THIS PROJECT.  
 \* NOT A PART OF THIS PROJECT.

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S0570(6)	3	21

S0570(9) 3 - 8

DATE 8-59  
1-60  
BY J. BERGACKER  
P.J.H.  
SURVEYED  
ALIGNED CHECKED  
RT. OF WAY CHECKED  
PLAN  
NOTE BOOK  
NO. 64

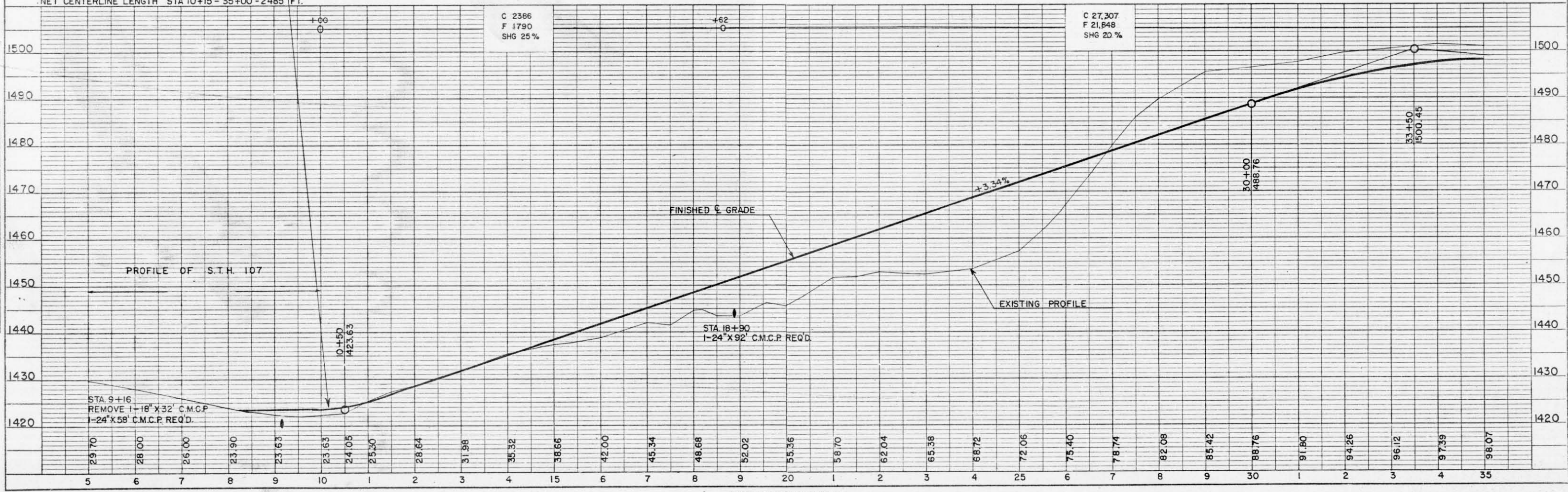
DATE 8-59  
1-60  
BY J. BERGACKER  
P.J.H.  
SURVEYED  
PROFILES CHECKED  
B.M.'S NOTED  
NO. I.B.M. STRUCTURE NOTATIONS CHECKED  
PROFILE



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
15	12+80	SPIKE IN 12" POPLAR 55' LT.	1430.29
14	21+45	28" W. PINE 45' LT.	1452.95
13	33+25	15" ELM 200' RT.	1493.95

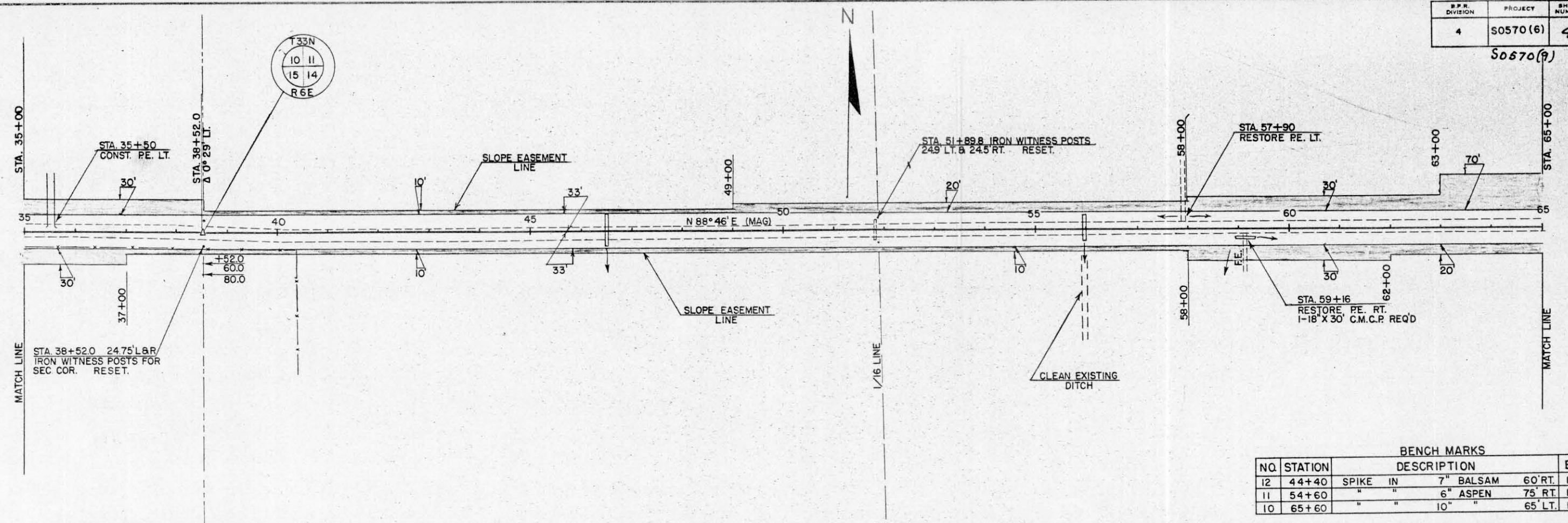
NET CENTERLINE LENGTH STA 10+15 - 35+00 = 2485 FT.



B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S0570(6)	4	21

S0570(9) 4-8

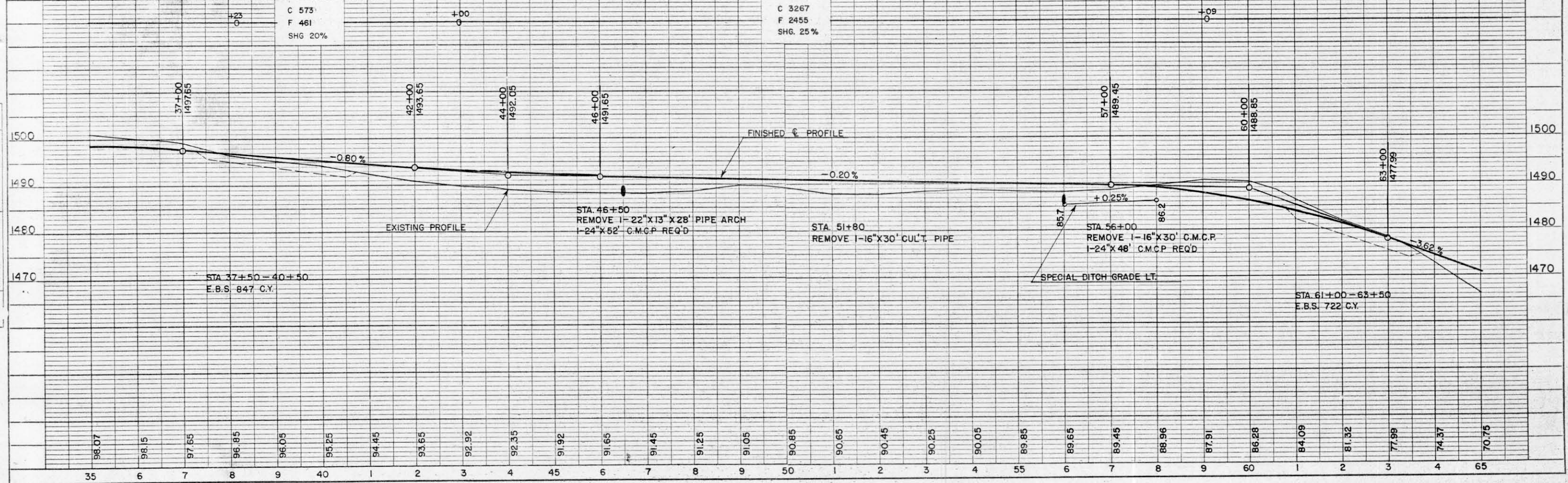
DATE 5-59  
 1-60  
 1-60  
 BY J. BERGACKER  
 PETERS  
 P.J.H.  
 SURVEYED, PLOTTED, CHECKED  
 NOTE BOOK NO. 18M  
 STRUCTURE NOTATION: CHD



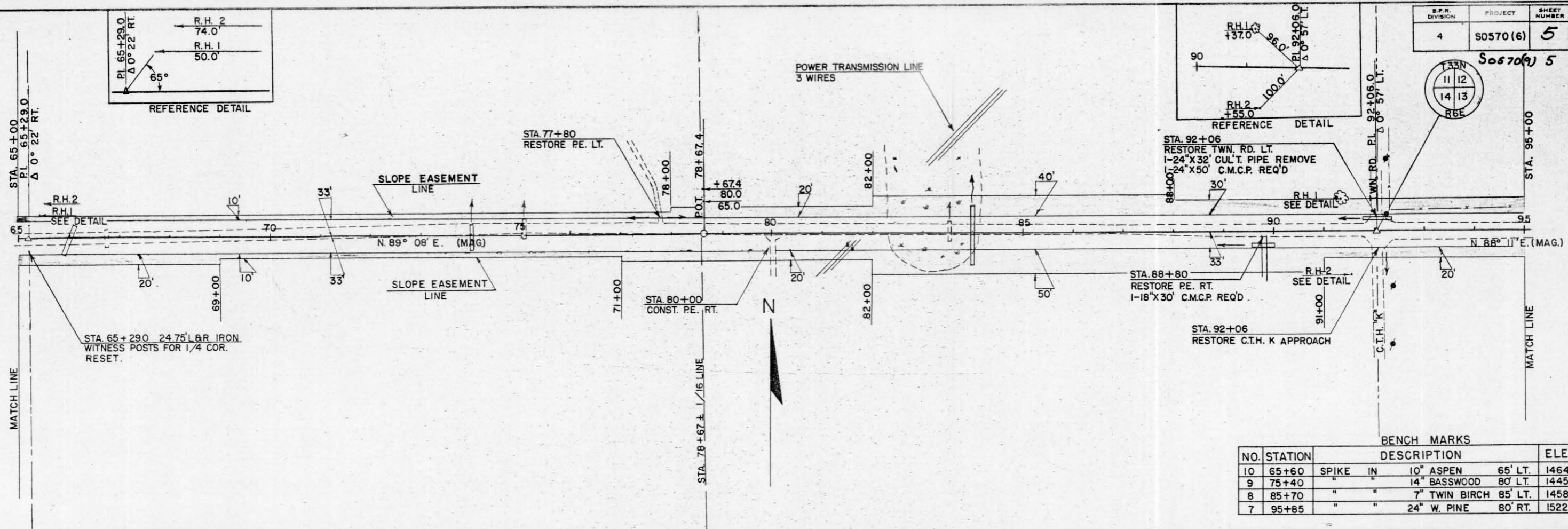
BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
12	44+40	SPIKE IN 7" BALSAM 60' RT.	1488.23
11	54+60	" " 6" ASPEN 75' RT.	1487.41
10	65+60	" " 10" " 65' LT.	1464.50

NET CENTERLINE LENGTH STA 35+00 - 65+00 = 3000 FT.



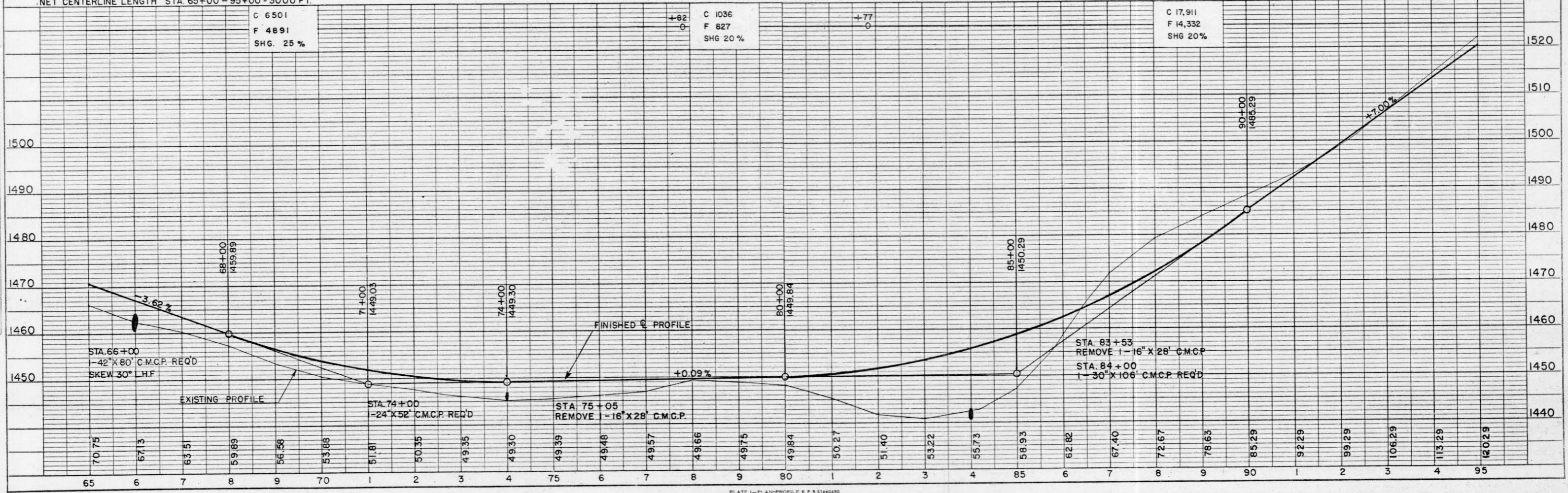
DATE 5-59  
 1-60  
 1-60  
 BY J. BERGACKER  
 PETERS  
 P.J.H.  
 SURVEYED, PLOTTED, CHECKED  
 NOTE BOOK NO. 18M  
 STRUCTURE NOTATION: CHD



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
10	65+60	SPIKE IN 10" ASPEN 65' LT.	1464.50
9	75+40	" " 14" BASSWOOD 80' LT.	1445.21
8	85+70	" " 7" TWIN BIRCH 85' LT.	1458.60
7	95+85	" " 24" W. PINE 80' RT.	1522.43

NET CENTERLINE LENGTH STA. 65+00 - 95+00 = 3000 FT.



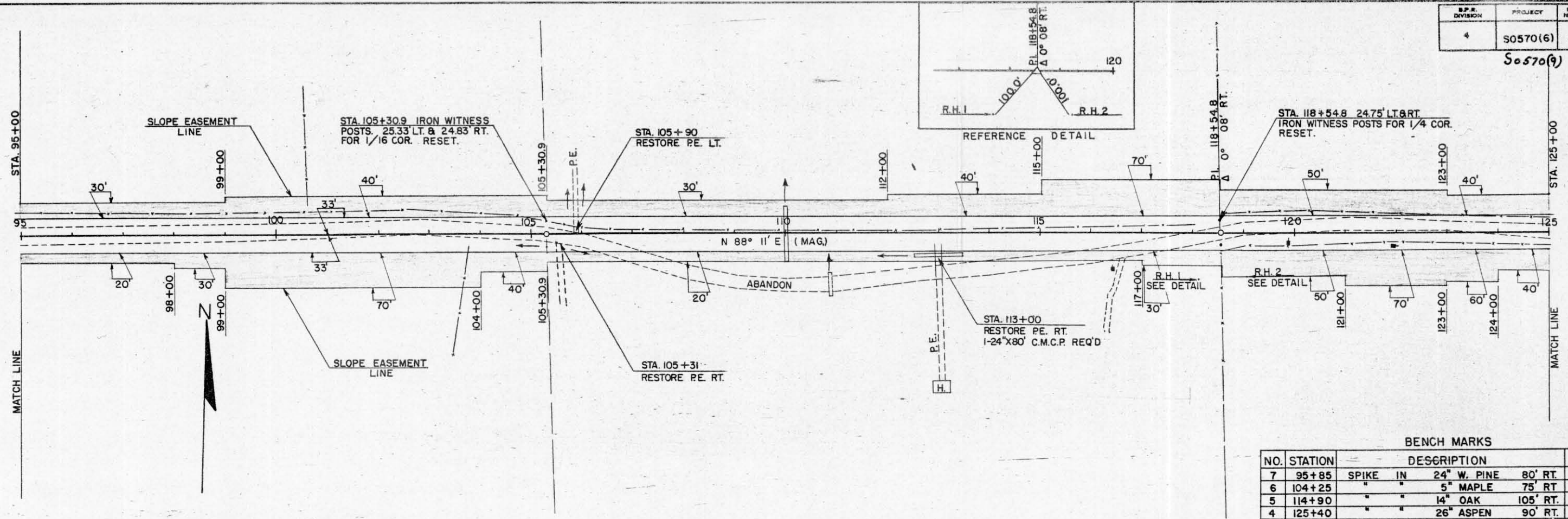
DATE: 5-29-60  
 BY: J. BERGACKER  
 CHECKED: P.J.H.  
 PLAN NO. 100

DATE: 5-29-60  
 BY: J. BERGACKER  
 CHECKED: P.J.H.  
 PROFILE NO. 100

S.P.E. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S0570(6)	6	21

S0570(9) 6-8

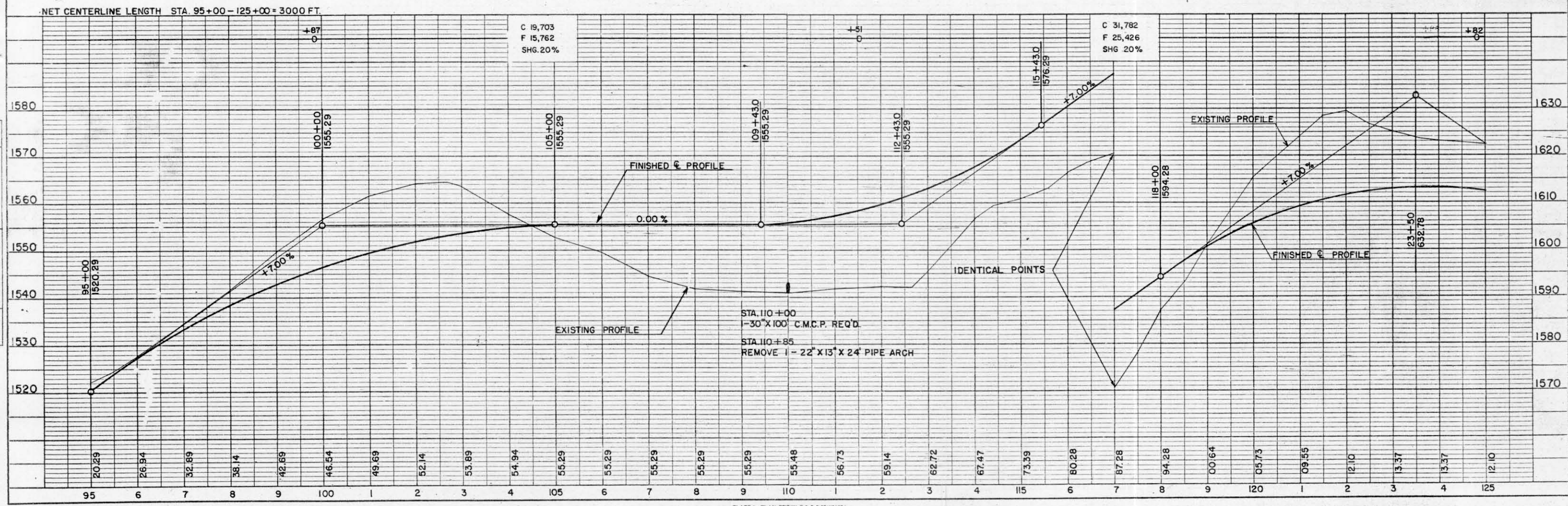
DATE 5-59  
BY BERGACKER  
P.L.H.  
SURVEYED  
CHECKED  
NOTE BOOK NO.



BENCH MARKS

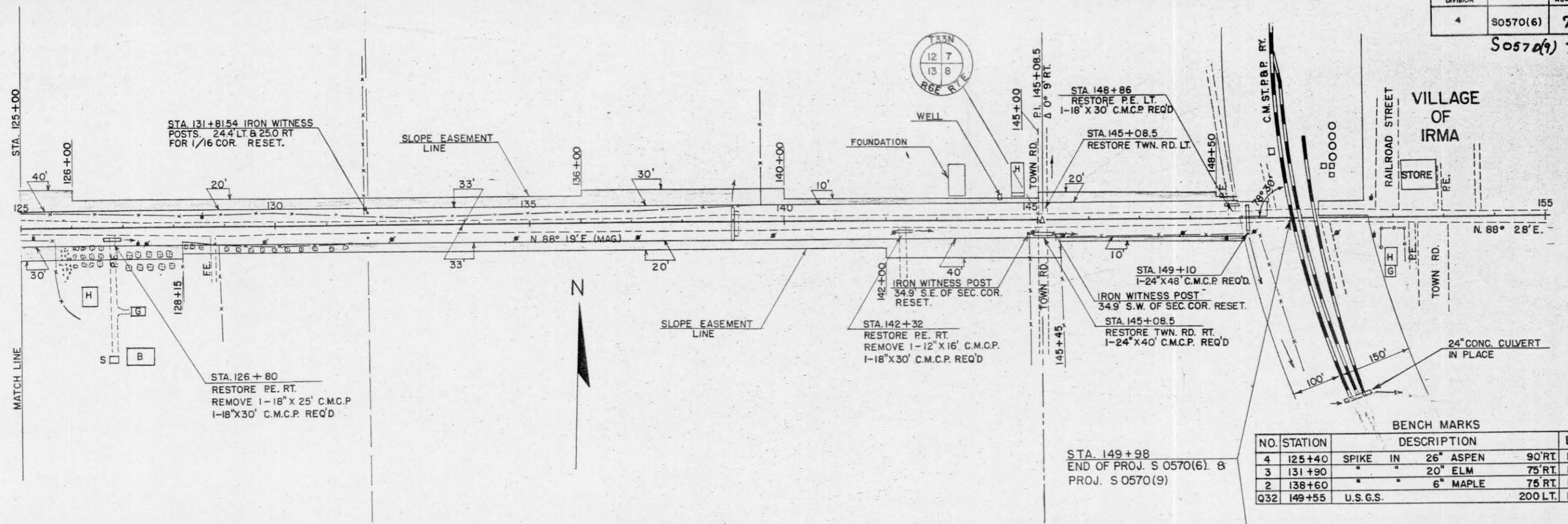
NO.	STATION	DESCRIPTION	ELEV.
7	95+85	SPIKE IN 24" W. PINE 80' RT.	1522.43
6	104+25	5" MAPLE 75' RT.	1556.35
5	114+90	14" OAK 105' RT.	1566.58
4	125+40	26" ASPEN 90' RT.	1621.07

DATE 5-59  
BY BERGACKER  
P.L.H.  
SURVEYED  
CHECKED  
NOTE BOOK NO.



DATE: 5-59  
1-80  
BY: J. BERGACKER  
P. J. H. PETERS  
SURVEYED: [ ]  
PLOTTED: [ ]  
NOTE BOOK: [ ]  
NO. [ ]

DATE: 5-59  
1-80  
BY: J. BERGACKER  
P. J. H. PETERS  
SURVEYED: [ ]  
PLOTTED: [ ]  
NOTE BOOK: [ ]  
NO. [ ]



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
4	125+40	SPIKE IN 26" ASPEN	90' RT. 1621.07
3	131+90	" " 20" ELM	75' RT. 1572.65
2	138+60	" " 6" MAPLE	75' RT. 1533.90
Q32	149+55	U.S.G.S.	200 LT. 1507.78

