

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
32.6	865.0		11.5	WIS. 4	1	10

INDEX OF SHEETS

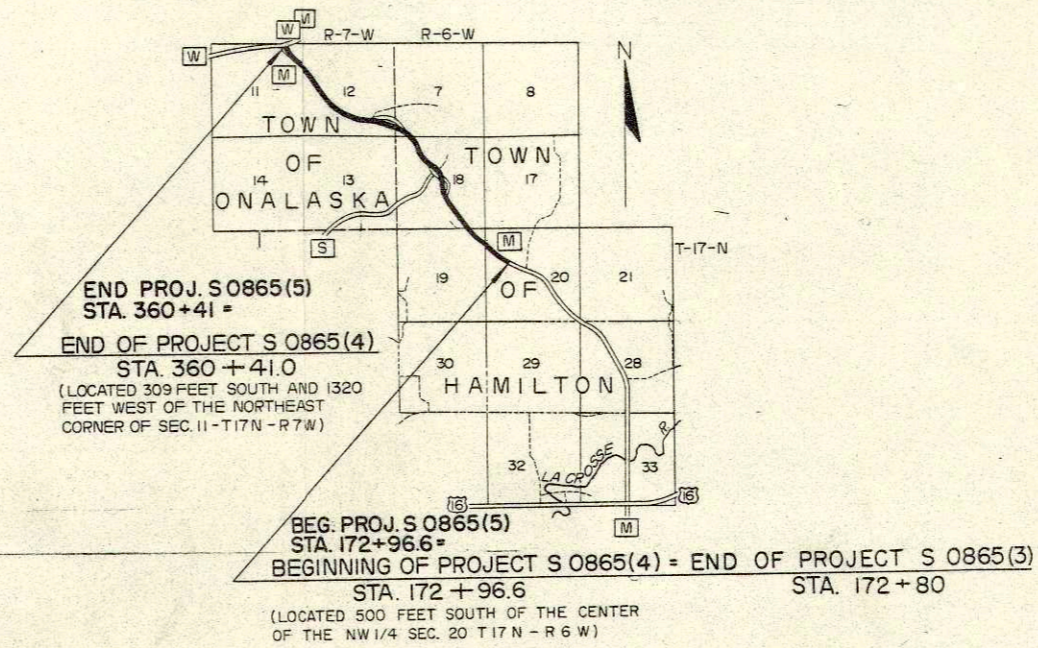
SHEET NO. 1	TITLE
SHEET NO. 2	TYPICAL CROSS SECTIONS
SHEET NO. 2	ESTIMATE OF QUANTITIES
SHEET NO. —	MISCELLANEOUS QUANTITIES
SHEET NO. —	RIGHT OF WAY PLAT
SHEET NO. 3-10	PLAN AND PROFILE STA. 172+96.6 TO STA. 360+41.0
SHEET NO. —	STANDARD DETAILS
SHEET NO. —	DRAINAGE STRUCTURES
SHEET NO. —	CROSS SECTIONS



STATE OF WISCONSIN
STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED
U.S.H. 16 - C.T.H. "W" ROAD
C.T.H. "M"
LA CROSSE COUNTY
PROJECT S 0865(5)

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



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	-----	GROUND ELEVATION	DATUM LINE
TRAVELED WAY OR P.E.	-----	GRADE ELEVATION	DATUM LINE
RAILROADS	-----	WOODS	—■—
BASE OR SURVEY LINE	-----	ELECTRIC FENCE	—●—
SLOPE STAKE LINE	-----		
GUARD FENCE IN PLACE	-----		

LAYOUT

SCALE 1 MILE
TOTAL NET LENGTH OF CENTERLINE = 3.576 ML

APPROVED FOR LA CROSSE COUNTY BY:

3-9-62 [Signature] DATE
COMMISSIONER

STATE HIGHWAY COMMISSION OF WISCONSIN
MADISON, WIS.

SURVEYOR R.V.S. NOTE BOOK L.L.
DIVISION COMPUTER W.H.T. M.O. CHECKER D.F.C.
DISTRICT CHECKER R.C.J. CORRECT.

CORRECT:
DATE 3-8-62 [Signature] DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL:
DATE 3-20-62 [Signature] ENGINEER OF DESIGN

APPROVED:
DATE 3-20-62 [Signature] STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED: [Signature] DATE
DIVISION ENGINEER

S 0865(5)

ESTIMATE OF QUANTITIES

CONTRACT NO. 1

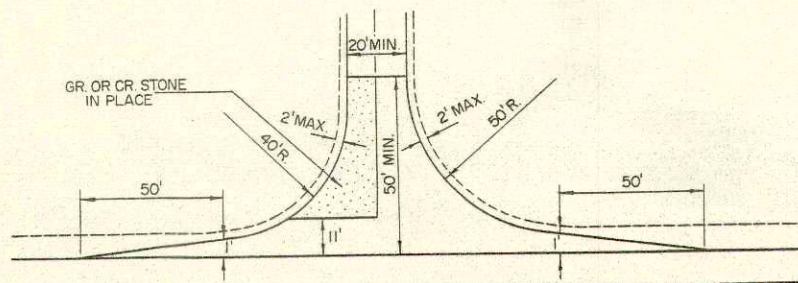
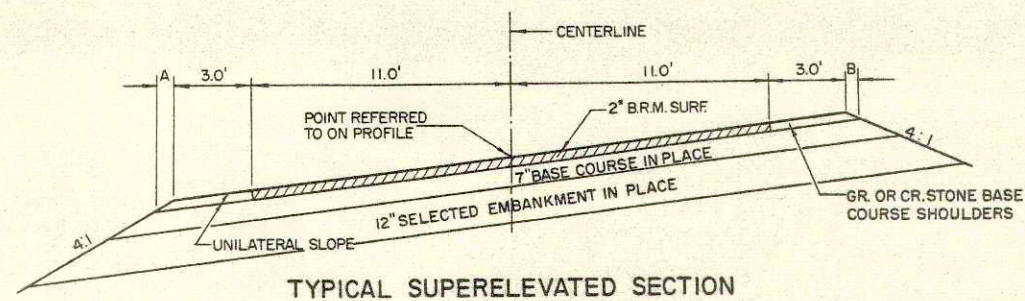
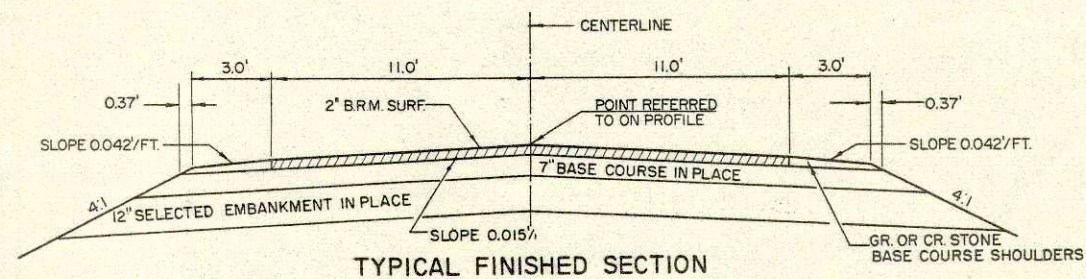
PROJECT	SHEET NUMBER	TOTAL SHEETS
S 0865 (5)	2	10

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 PROVISION AS ATTACHED TO PROPOSALS.

SECTION	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING	GRUBBING	EXCAVATION			SAND GRAVEL FILL	FINISHING ROADWAY	OBLITERATING OLD ROAD	GRAVEL OR CRUSHED STONE BASE COURSE FOR SHOULDERS	CULVERT PIPE					RIP-RAP	GUARD FENCE			MARKER POSTS FOR R/W	CONCRETE PAVEMENT 9 INCH	BITUMEN CONCRETE PAVEMENT COURSE	BITUMEN MAT. FOR SURF COURSE	HAUL SURF AGG. FROM STOCK PILE	TOPSOIL							
					210 -	210 -	210 -					2110-1	2114-1	2116-1	S.P.	23		2512-1	2523-3	2523-3						2523-3	2523-4	2301-1	2317-1	2317-2	2310-1	2313-1	2313-2
ITEM NO.	UNIT	LIN. FT.			C.Y.	C.Y.	C.Y.	C.Y.	STA.	STA.	C.Y.	C.Y.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	C.Y.	LIN. FT.	EACH	EACH	S.Y.	TONS	TONS	STA.	SQ. YD.	C.Y.	GAL.	CY.	SQ. YD.	SQ. YD.	CWT.	SQ. YD.
1	172+96.6 - 360+41	18,883.1																															

NOTE: SHEETS 3 TO 10 INCLUDED TO SHOW PROFILE & ALIGNMENT ONLY, OTHER INFORMATION IS NOT PERTINENT TO THIS CONTRACT.

STA. - STA.	LOCATION	AGG. FOR BIT. ROADMIX SURF.	PREP. OF ROADBED FOR BIT. SURF.	BIT. ROAD MIX. SURF.	HAUL SURF AGG. FROM STOCK PILE	BIT. MAT. FOR SURF COURSE
		C.Y.	STA.	S.Y.	C.Y.	GAL.
170+00-172+96.6	APPROACH	11	3	684	52	1040
172+96.6-340+41	CL	829	189	46,160	3,536	70,720
235+00	S.R. LT.	30	8	1,956	146	2,920
242+00	S.R. RT.	-	-	100	8	160
360+41	RADIUS	-	-	100	8	160



VARIABLE DISTANCES FOR HORIZ. CURVES

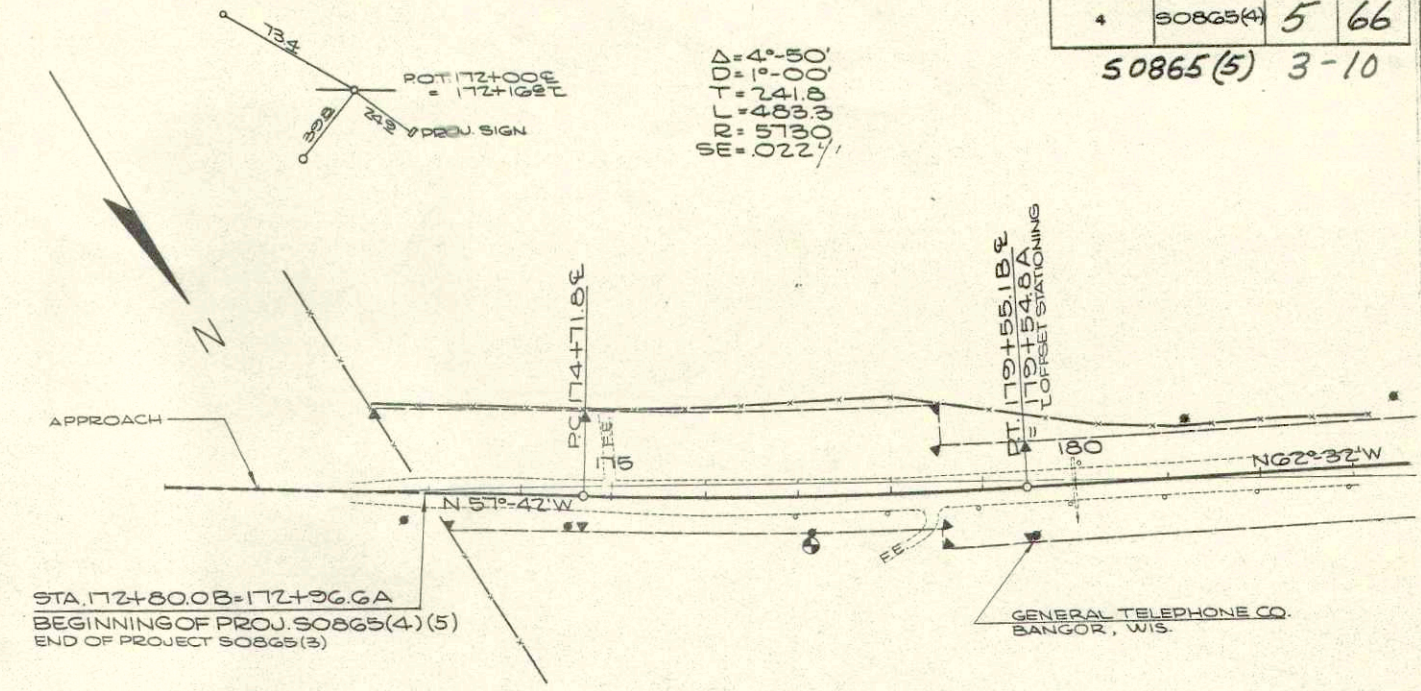
S.E.	TRANS	A	B
.022	150	0.73	0.61
.027	150	0.74	0.60
.045	150	0.81	0.56
.056	150	0.85	0.54

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 PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL DIRECTED BY THE ENGINEER.

S.P. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	50865(4)	5	66

50865(5) 3-10

$\Delta = 4^{\circ}-50'$
 $D = 1^{\circ}-00'$
 $T = 241.8$
 $L = 483.3$
 $R = 573.0$
 $SE = 0.22\%$



BENCH MARKS
 STA. 177+07 SPK. IN TEL. POLE RT. 31' EL. 814.99

NET LENGTH CENTERLINE STA. 172+96.6-182+00 = 904.0 LIN. FT.

PLAN

DATE	11-30-00
BY	J.S. RYAN
CHECKED	A.M.
DATE	11-30-00

SHIPPED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 NO. L.L.: _____

PROFILE

DATE	11-30-00
BY	J.S. RYAN
CHECKED	A.M.
DATE	11-30-00

SHIPPED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 NO. L.L.: _____

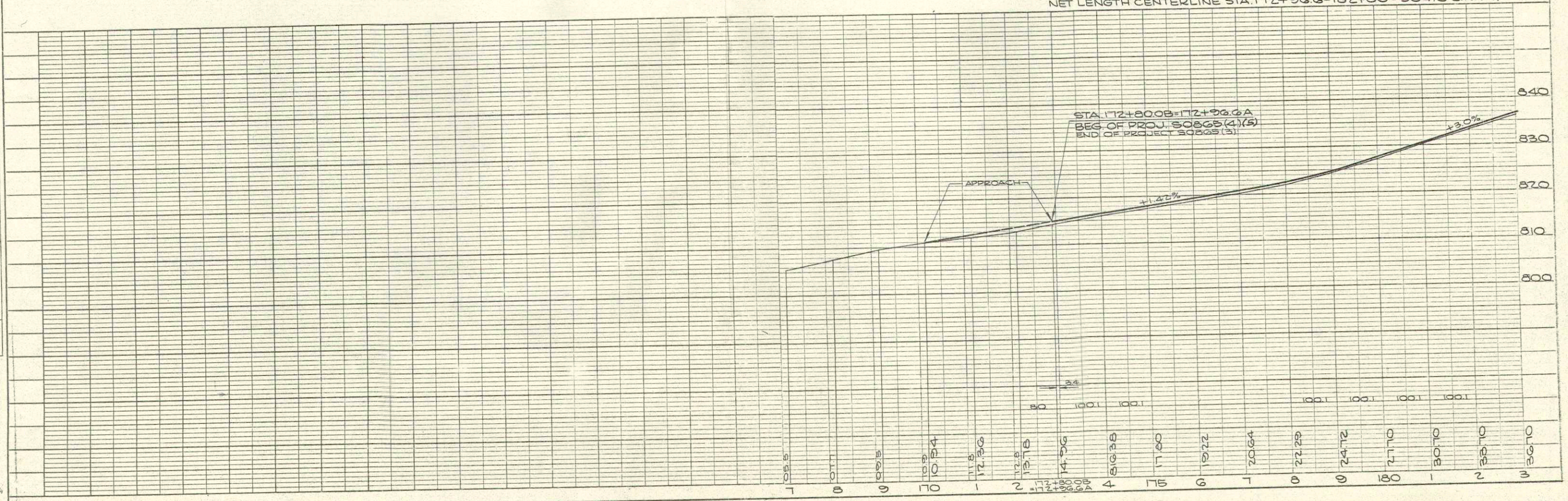
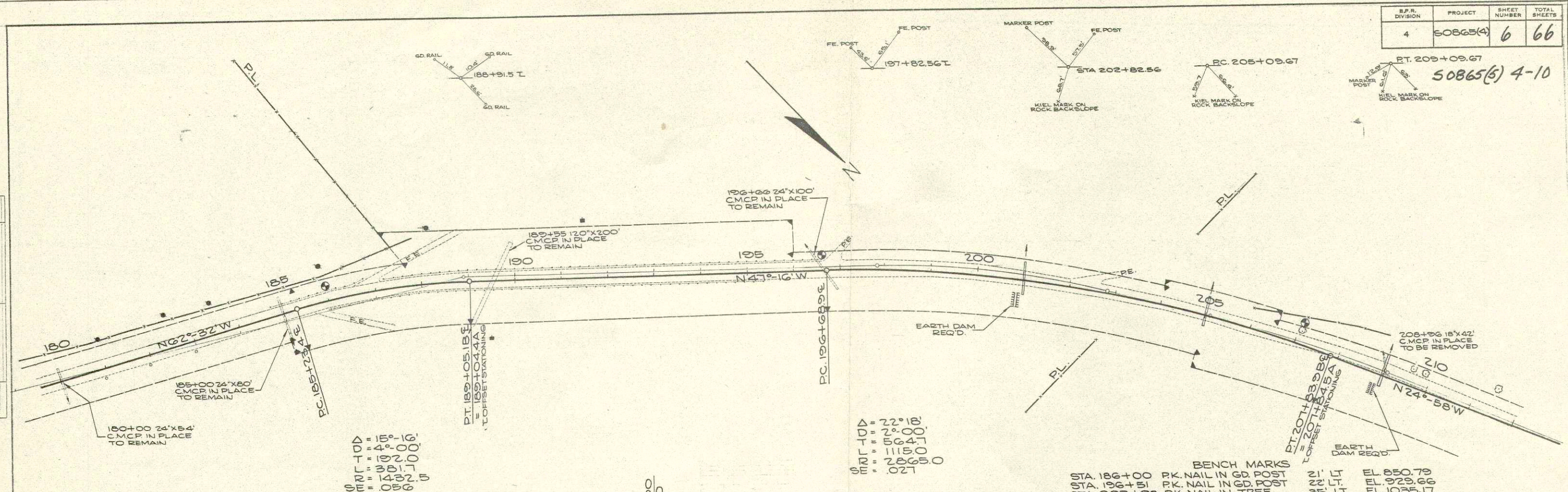


PLATE 1-PLAN-PROFILE N. P. A. STANDARD
 THE ENGINEER'S TOOL CO. CHICAGO

R.F.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	50865(A)	6	66

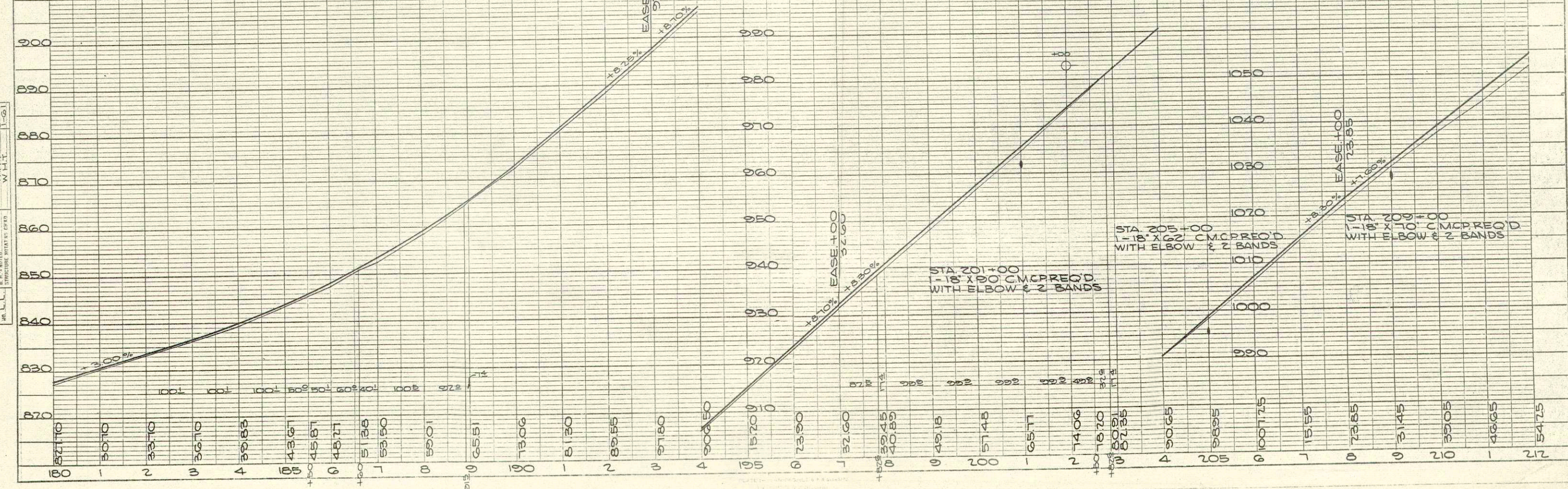


$\Delta = 15^{\circ} 16'$
 $TD = 4^{\circ} 00'$
 $L = 192.00$
 $SN = 381.7$
 $SE = 1432.5$
 0.056

$\Delta = 22^{\circ} 18'$
 $TD = 2^{\circ} 00'$
 $L = 564.7$
 $SN = 1115.0$
 $SE = 2868.0$
 0.027

BENCH MARKS
 STA. 186+00 P.K. NAIL IN GD. POST 21' LT. EL. 850.79
 STA. 196+51 P.K. NAIL IN GD. POST 22' LT. EL. 929.66
 STA. 207+08 P.K. NAIL IN TREE 35' LT. EL. 1035.17

NET LENGTH OF CENTERLINE STA. 182+00-210+00 = 2799.8 LIN. FT.



NOTE BOOK ALIGNMENT CHECKED
 NO. 1, L.L.

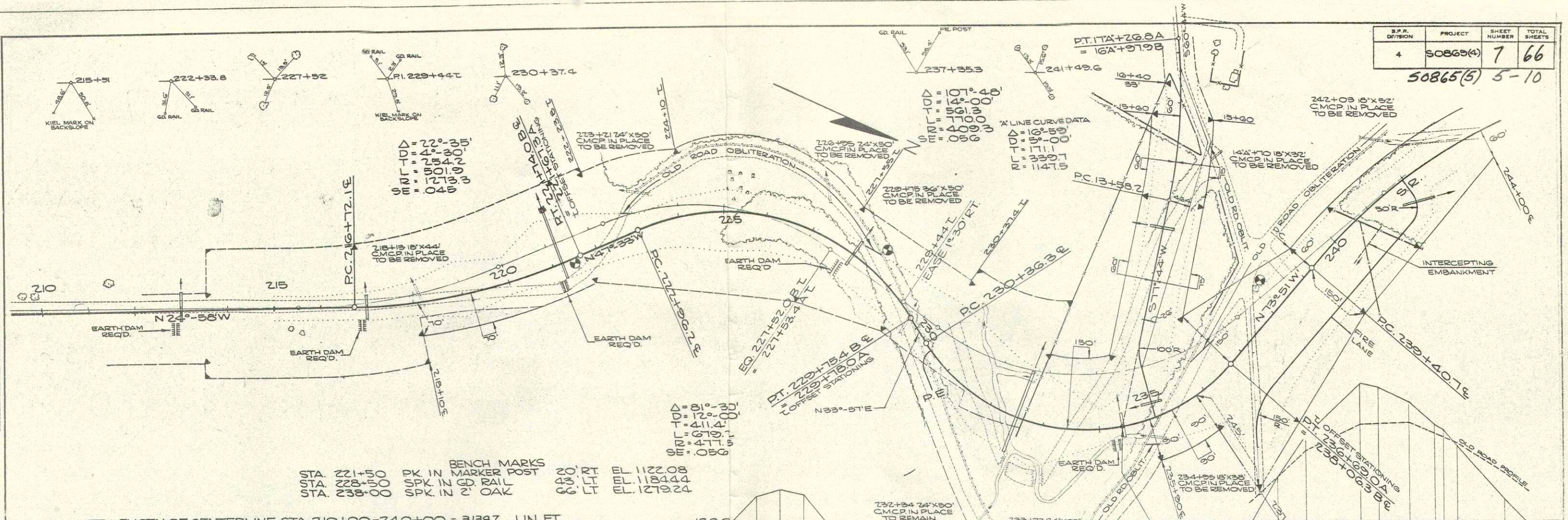
PLANNED
 NOTE BOOK GRADES CHECKED
 NO. 1, L.L.

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	50865(4)	7	66

50865(5) 5-10

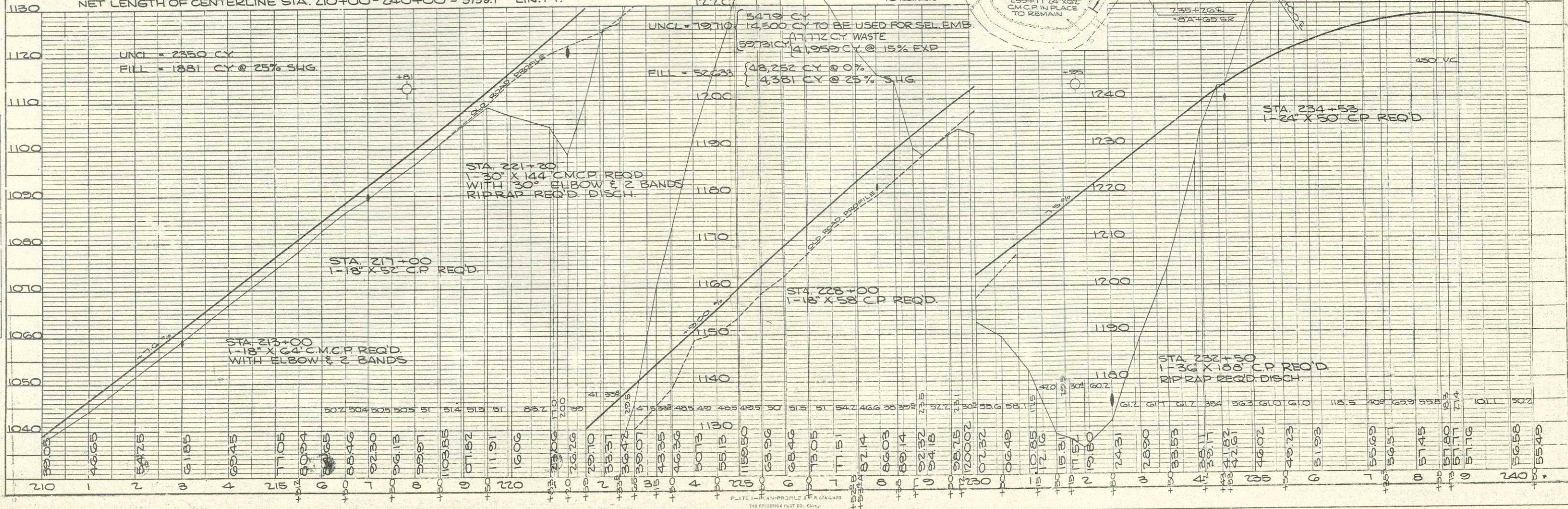
DATE: 1-30-00
 BY: JRS-EVS
 CHECKED: JRS
 DATE: 1-30-00
 BY: JRS
 CHECKED: JRS
 DATE: 1-30-00
 BY: JRS
 CHECKED: JRS

DATE: 1-30-00
 BY: JRS-EVS
 CHECKED: JRS
 DATE: 1-30-00
 BY: JRS
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 DATE: 1-30-00
 BY: JRS
 CHECKED: JRS

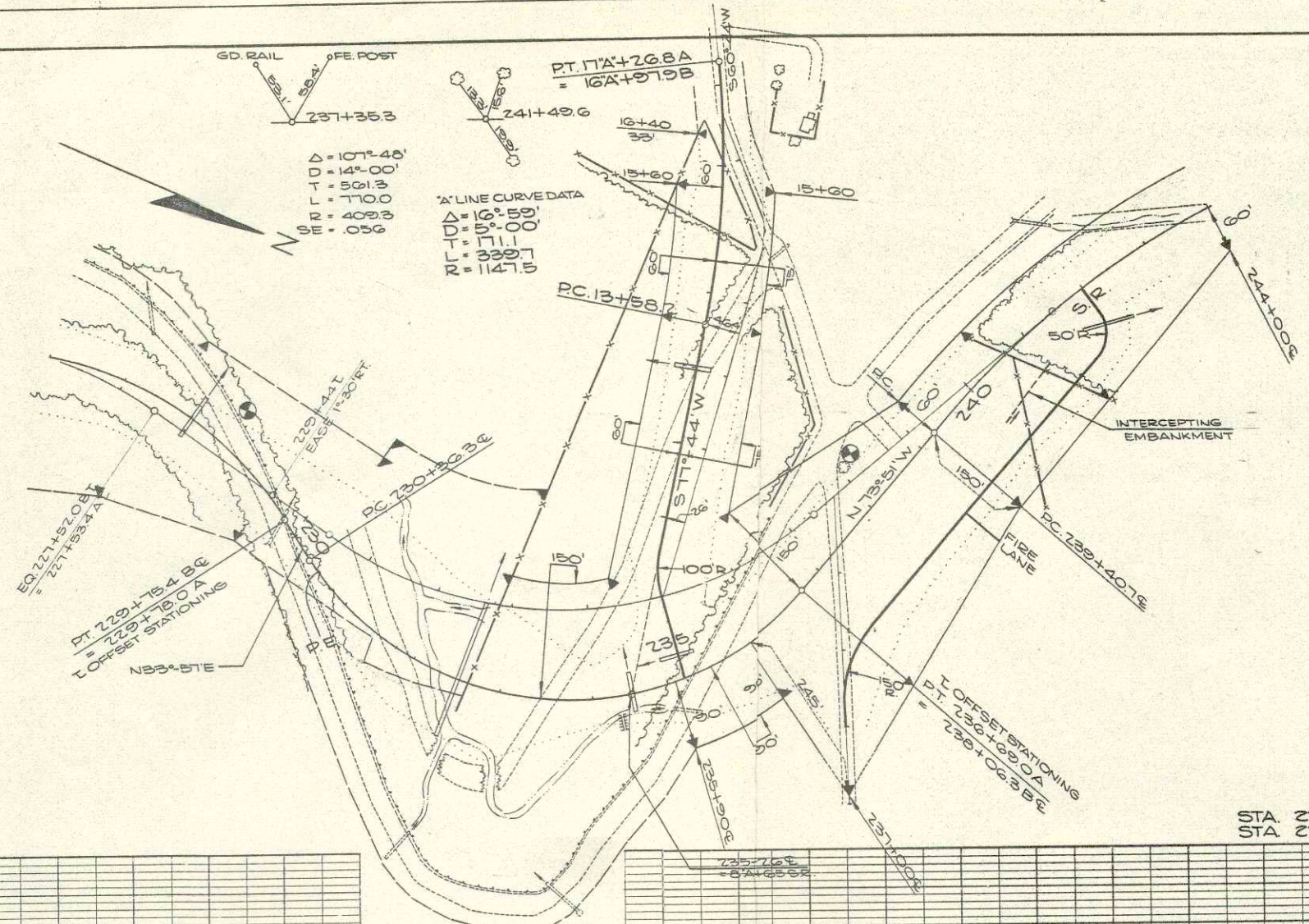


STA.	PK.	BENCH MARKS	20' RT.	EL.
221+50		PK IN MARKER POST	43' RT.	EL. 1122.08
228+50		SPK IN GD. RAIL	66' LT.	EL. 1184.44
238+00		SPK IN 2' OAK	66' LT.	EL. 1279.24

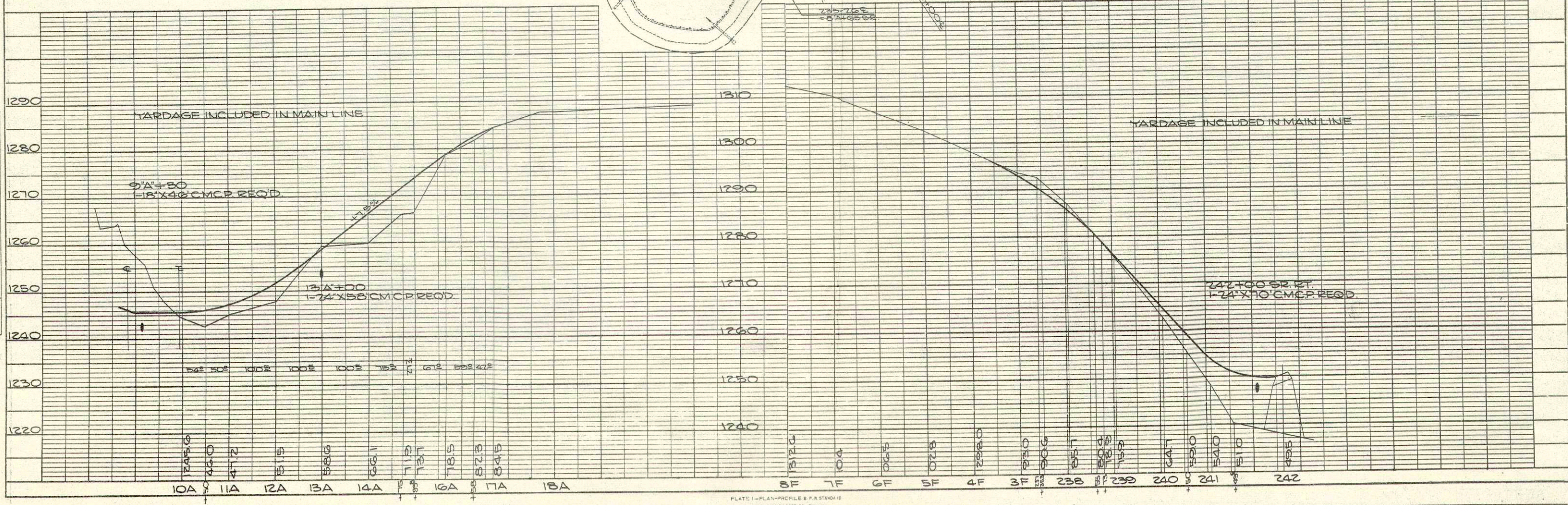
NET LENGTH OF CENTERLINE STA. 210+00-240+00 = 3139.7 LIN. FT.



S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	50865(4)	8	66
		50865(5)	6-10



STA. 228+50 BENCH MARKS
 STA. 238+00 SPIKE IN GD RAIL 43' LT. EL. 1184.44
 SPIKE IN 2' OAK 66' LT. EL. 1279.24

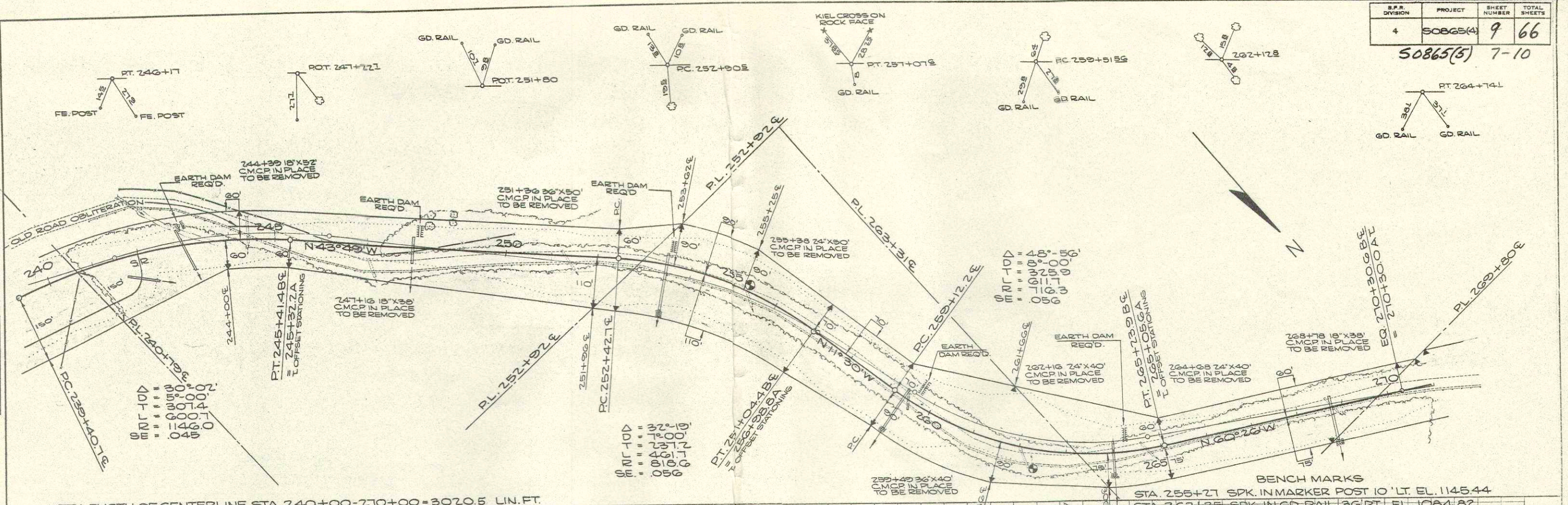


NOTE BOOK ALIGNED CHECKED
 NO. L.L.L.

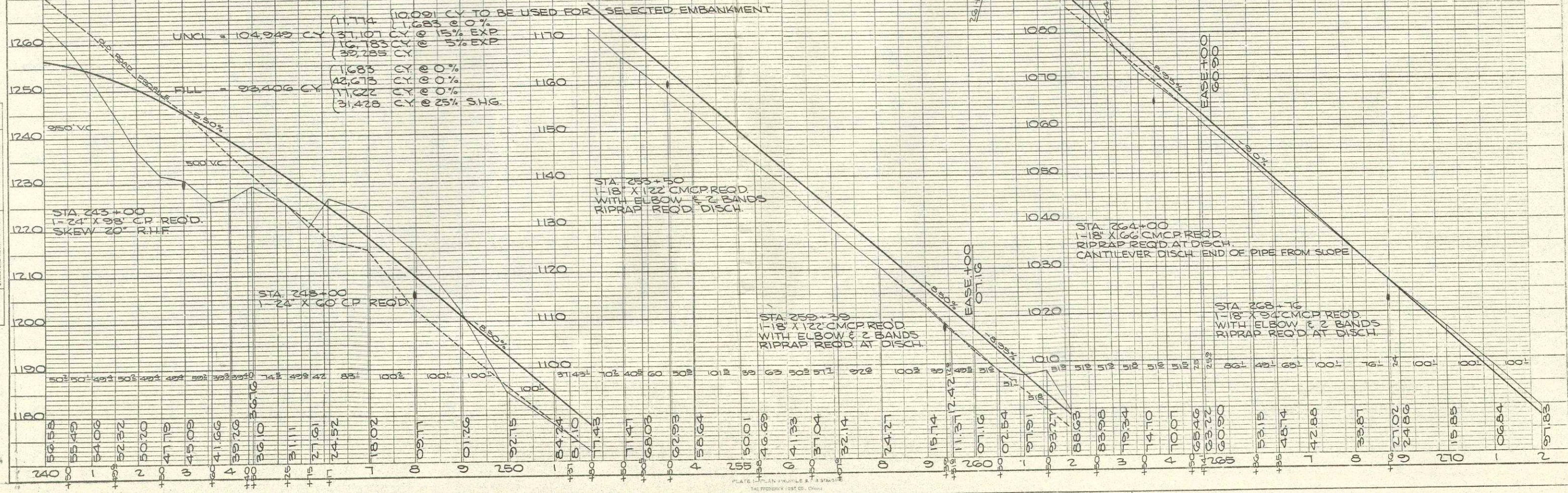
PLOTTED
 NO. L.L.L.

PLAN
 SURVEYED BY J.R.S. R.V.S. 1-50
 PLOTTED BY J.M.E. 1-50
 CHECKED BY J.M.E. 1-50
 NOTE BOOK NO. L.L.L.
 FT. OF WAY CHECKED

PROFILE
 SURVEYED BY J.R.S. R.V.S. 1-50
 PLOTTED BY J.M.E. 1-50
 CHECKED BY J.M.E. 1-50
 NOTE BOOK NO. L.L.L.
 STRUCTURE MATERIALS CHECKED



NET LENGTH OF CENTERLINE STA. 240+00-270+00 = 3020.5 LIN. FT.



UNCV = 104,949 CY

FILL = 93,406 CY

Station	Volume	Notes
11.714	10,091	CY TO BE USED FOR SELECTED EMBANKMENT
16,783	1,683	@ 0%
39,285		@ 5% EXP
1,683		@ 0%
42,673		@ 0%
11,022		@ 0%
31,428		@ 25% SH.G.

STA. 253+50
 1-18" X 122' CMCP REOD
 WITH ELBOW & 2 BANDS
 RIPRAP REOD. DISCH.

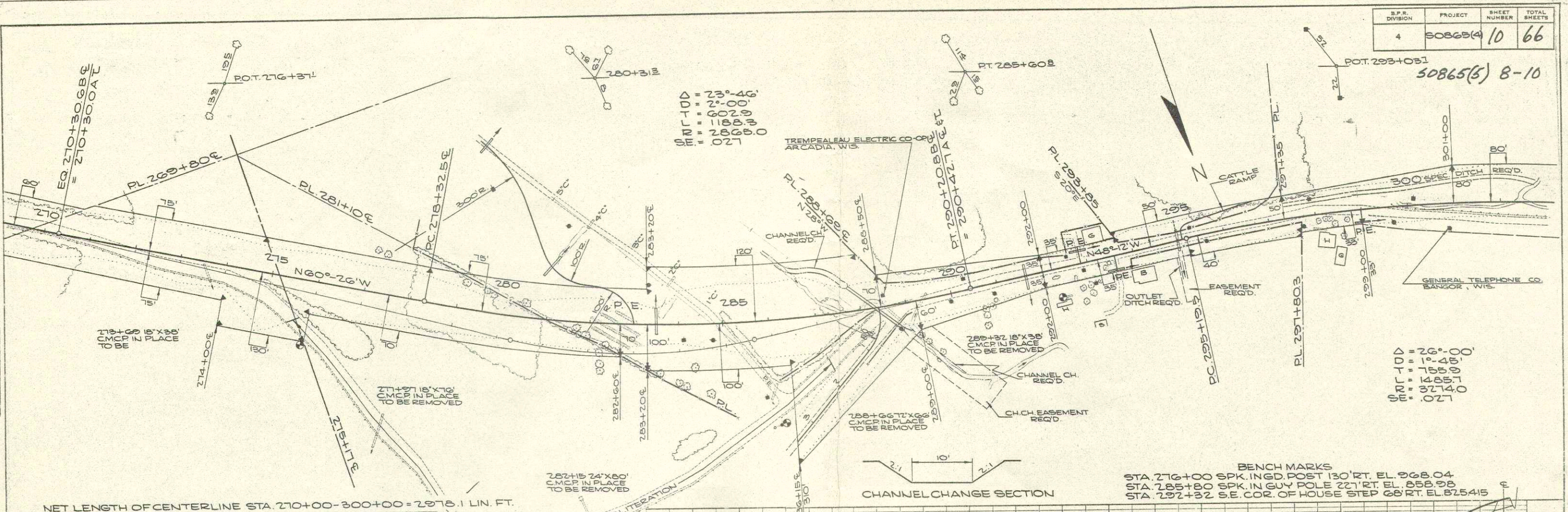
STA. 264+00
 1-18" X 94' CMCP REOD
 RIPRAP REOD. AT DISCH.
 CANTILEVER DISCH. END OF PIPE FROM SLOPE

STA. 268+76
 1-18" X 94' CMCP REOD
 WITH ELBOW & 2 BANDS
 RIPRAP REOD. AT DISCH.

BENCH MARKS
 STA. 255+27 SPK. IN MARKER POST 10' LT. EL. 1145.44
 STA. 262+25 SPK. IN GD. RAIL 36' RT. EL. 1084.82

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	50865(4)	10	66

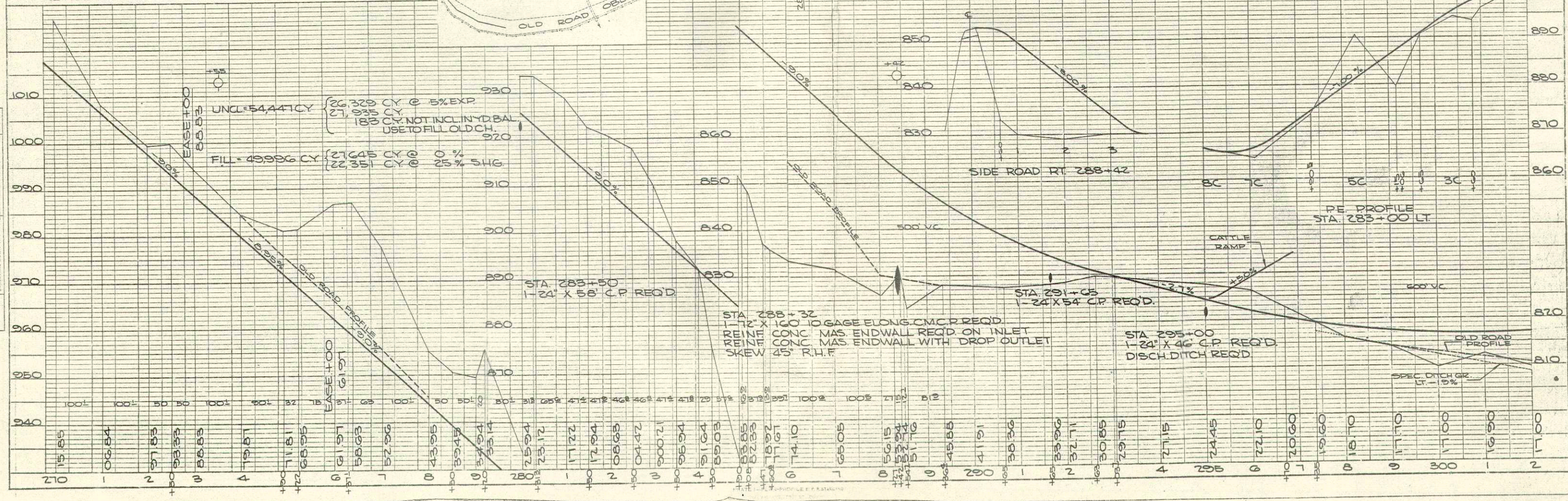
50865(5) 8-10



$\Delta = 23^{\circ}46'$
 $IO = 2^{\circ}00'$
 $RI = 602.9$
 $SI = 1188.3$
 $SE = 2865.0$
 $SM = .027$

$\Delta = 26^{\circ}40'$
 $IO = 1^{\circ}40'$
 $RI = 755.0$
 $SI = 1485.1$
 $SE = 3274.0$
 $SM = .027$

BENCH MARKS
 STA. 276+00 SPK. INGD. POST 130' RT. EL. 868.04
 STA. 285+80 SPK. IN GUY POLE 227' RT. EL. 858.98
 STA. 292+32 S.E. COR. OF HOUSE STEP 66' RT. EL. 825.415

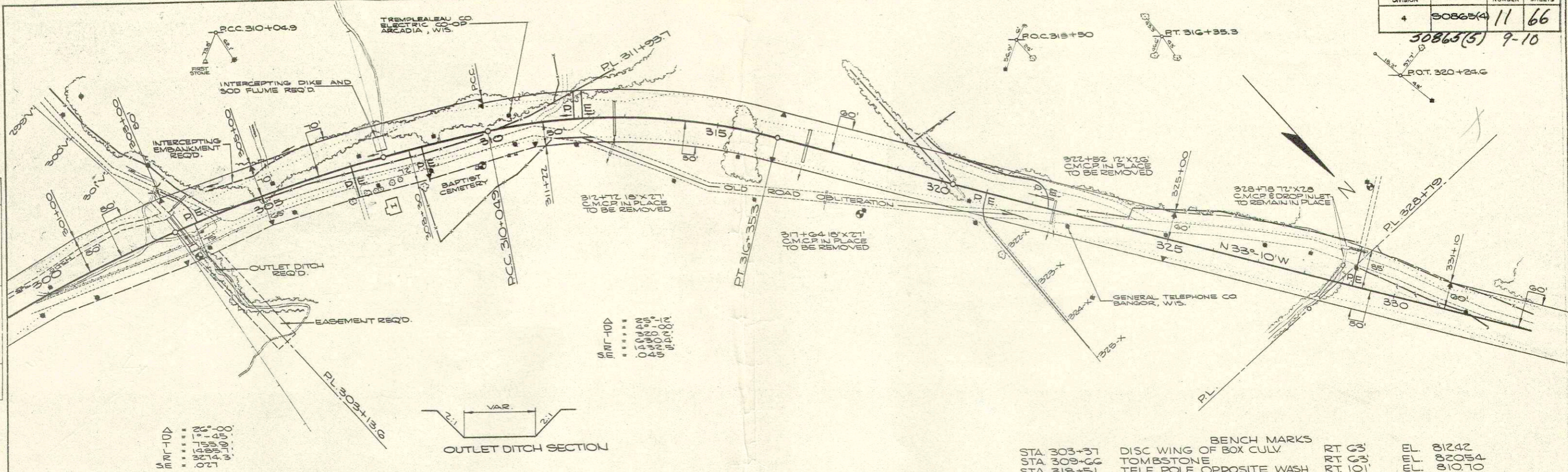


R.M.B. E.I.E.
 1-50
 1-60
 1-70
 1-80
 1-90
 1-00
 1-10
 1-20
 1-30
 1-40
 1-50
 1-60
 1-70
 1-80
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 1-40
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 1-60
 1-70
 1-80
 1-90
 1-00

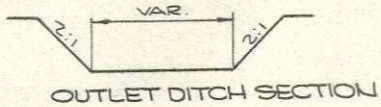
AVB. W.I.T.
 1-50
 1-60
 1-70
 1-80
 1-90
 1-00
 1-10
 1-20
 1-30
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 1-80
 1-90
 1-00
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 1-20
 1-30
 1-40
 1-50
 1-60
 1-70
 1-80
 1-90
 1-00

SURVEYED
 PLANNED
 NOTE BOOK
 NO. L.L.L.

PROFILE
 NOTE BOOK
 NO. L.L.L.



- ▲ 2' 0" 10.0
- ▲ 1' 6" 7.5
- ▲ 1' 0" 5.0
- ▲ 6" 3.0
- ▲ 0.27

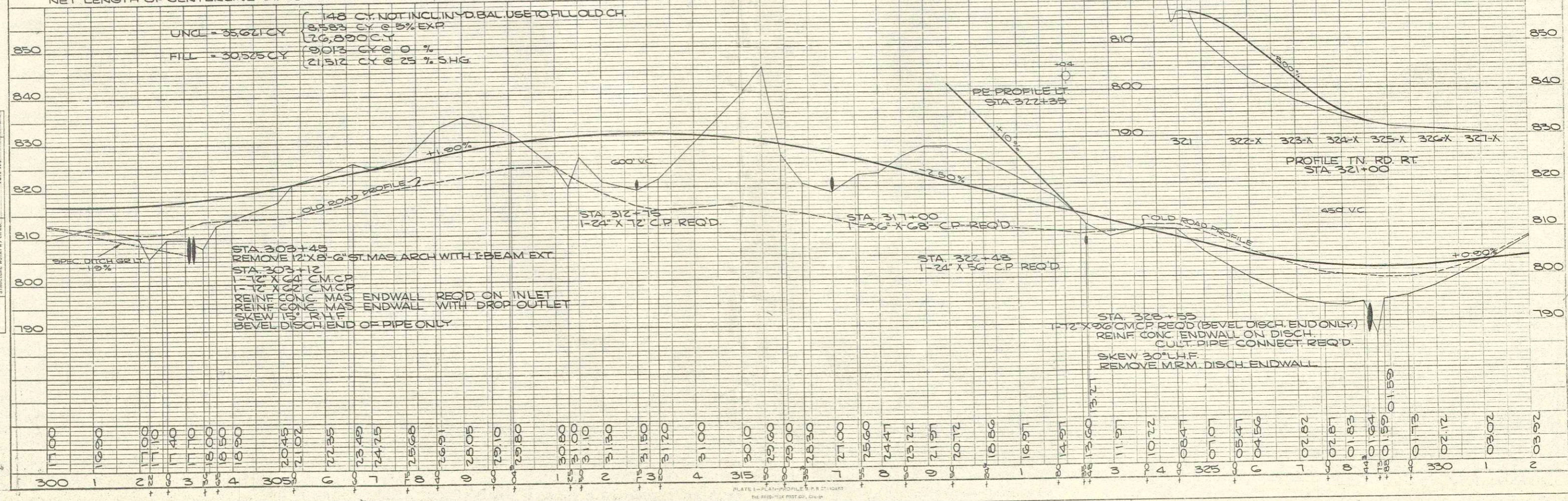


BENCH MARKS

STA. 303+37	DISC WING OF BOX CULV.	RT 63'	EL. 81242
STA. 309+66	TOMBSTONE	RT 63'	EL. 82054
STA. 318+51	TELE. POLE OPPOSITE WASH	RT. 101'	EL. 810.70
STA. 328+85	PP IN FARM YARD	LT. 225'	EL. 801.91

NET LENGTH OF CENTERLINE STA. 300+00-330+00 = 3000.0 LIN. FT.

UNCL = 35,621 CY	148 CY NOT INCL. IN YD. BAL. USE TO FILL OLD CH.
FILL = 30,525 CY	8,583 CY @ 5% EXP.
	26,890 CY
	9,013 CY @ 0%
	21,512 CY @ 25% SHG.



STA. 309+45
 REMOVE 12' X 8'-6" ST. MAS. ARCH WITH I-BEAM EXT.
 STA. 303+12
 1-12" X 6" CMCP
 1-12" X 6" CMCP
 REIN. CONC. MAS. ENDWALL REQ'D ON INLET
 REIN. CONC. MAS. ENDWALL WITH DROP OUTLET
 SKEW 15° R.H.F.
 BEVEL DISCH. END OF PIPE ONLY

STA. 312+75
 1-24" X 72" C.P. REQ'D.

STA. 317+00
 1-36" X 68" C.P. REQ'D.

STA. 322+48
 1-24" X 56" C.P. REQ'D.

STA. 328+55
 1-12" X 96" CMCP REQ'D (BEVEL DISCH. END ONLY)
 REIN. CONC. ENDWALL ON DISCH.
 CULT. PIPE CONNECT. REQ'D.
 SKEW 30° L.H.F.
 REMOVE M.R.M. DISCH. ENDWALL

