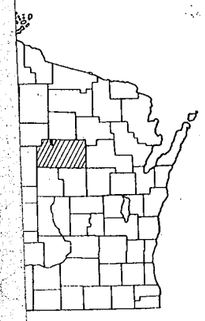
AND HIGHWAY	AND SECTION	IMPROVEMENT STATE	IMPROVEMENT FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
37.1	5.3		11.21	WIS. 4	1	101

TIM... ...ITIES
SCELL...
5 RIGHT OF W...
PLAN AND P... ILE STA. 208+00 TO STA. 544+91
4 STANDARD D...TAILS
6 DRAINAGE STRUCTURES
01 CROSS SECTIONS



STATE OF WISCONSIN

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED

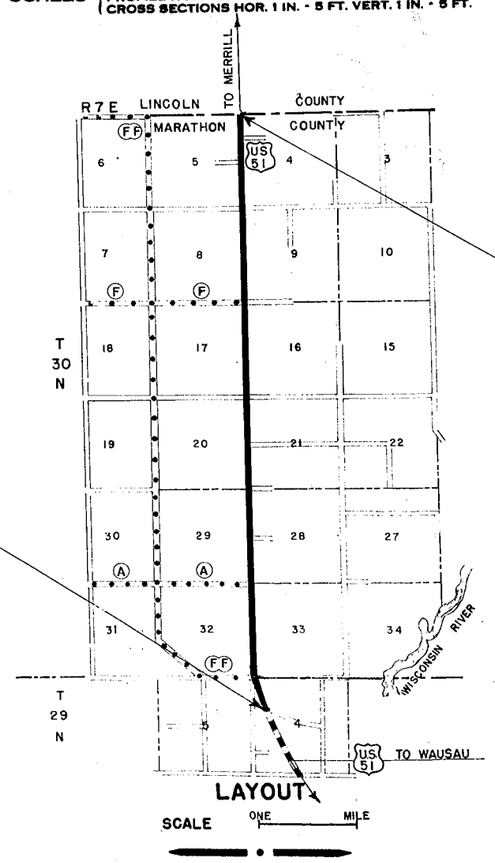
WAUSAU – MERRILL

MARATHON COUNTY

PROJECT F 05-3(21)

U.S. 51

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



LAYOUT

SCALE ONE MILE

TOTAL NET LENGTH OF CENTERLINE = 6.381 MI.

BEG. OF PROJECT F 05-3(21)
STA. 208+00
= STA. 208+00 PROJ. F 05-3 (17)
= STA. 34+87 F.A.P. 449 C
440' EAST & 1630' SOUTH OF THE S.E COR. OF SEC. 32

END OF PROJECT F 05-3(21)
STA. 544+91 = STA. 544+91 BEG. OF PROJ. F 05-4 (38)
= STA. 371+79 END OF F.A.P. 449 C
162.4' WEST OF THE N.E. COR. OF SEC. 5

CONVENTIONAL SIGNS

...
GE LINE...
LINE...
WAY LINE...
VEN...
RBED...
TY LIMITS... P.L. + 32.6
...
30

CULVERTS IN PLACE
CULVERTS REQUIRED
DROP INLET
POWER POLE
TELEPHONE OR TELEGRAPH POLE
RIGHT OF WAY MARKERS
REFERENCE STAKE FOR HUBS ONLY +61.7 28.9
MARSH
HEDGE
TREES
GROUND ELEVATION ... DATUM LINE 73.9
GRADE ELEVATION ... DATUM LINE 75.16

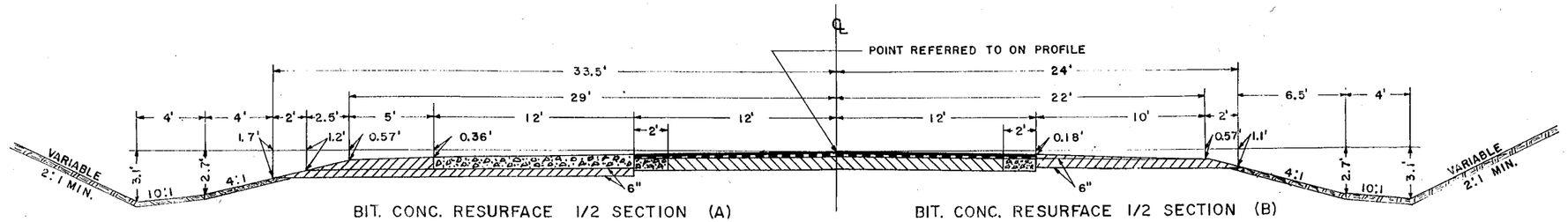
STATE HIGHWAY COMMISSION OF WISCONSIN MADISON, WIS.	DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS
SURVEYOR O. R. G. NOTE BOOK 4556- 60-62 DISTRICT COMPUTER P.E.S. M. O. CHECKER DISTRICT CHECKER M.V.U. S.A.C. CORRECT	APPROVED: [redacted] DATE
CORRECT: DATE 2/8/55 W. J. Marelton DISTRICT ENGINEER	[redacted] DISTRICT ENGINEER
RECOMMENDED FOR APPROVAL: DATE 2-15-55 J. S. Pitt ENGINEER OF DESIGN	
APPROVED: DATE 2/16/55 E. L. Ruettiger STATE HIGHWAY ENGINEER	

F 05-3(21)

PROJECT	SHEET NUMBER	TOTAL SHEETS
F05-3(21)	2	101

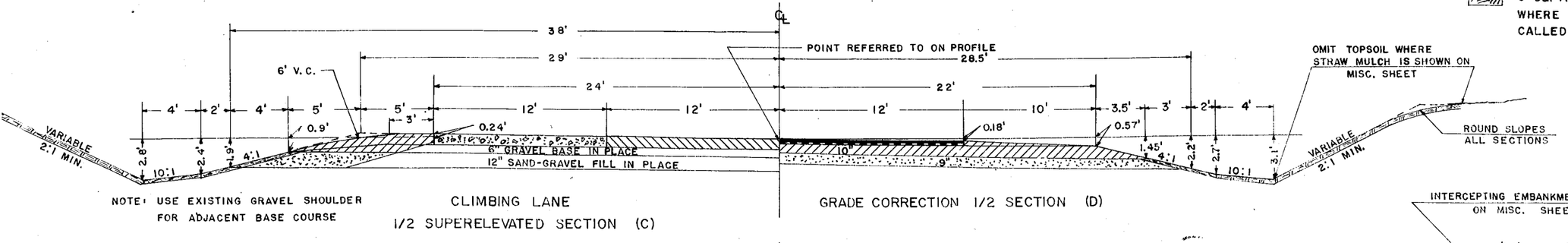
LEGEND

- 1" BITUMINOUS CONCRETE SURFACE COURSE
- 2" NOMINAL BITUMINOUS CONCRETE BINDER COURSE
- CONCRETE PAVEMENT IN PLACE
- GRAVEL OR CRUSHED STONE BASE COURSE
- 9" P.C. CONC. BASE COURSE WIDENING
  9" P.C. CONC. PAVEMENT
- SAND-GRAVEL FILL
- 3" DEPTH SALVAGED TOPSOIL TO BE OMITTED WHERE EROSION PROTECTION OTHER THAN SOD IS CALLED FOR ON MISC. SHEET



BIT. CONC. RESURFACE 1/2 SECTION (A)
WITH CLIMBING LANE

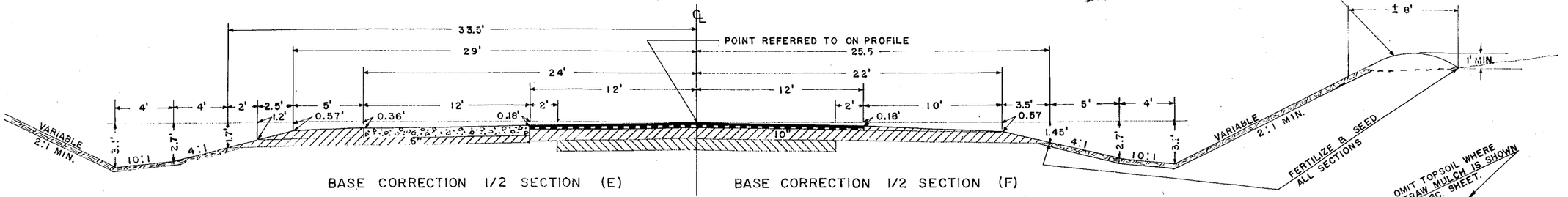
BIT. CONC. RESURFACE 1/2 SECTION (B)



NOTE: USE EXISTING GRAVEL SHOULDER FOR ADJACENT BASE COURSE

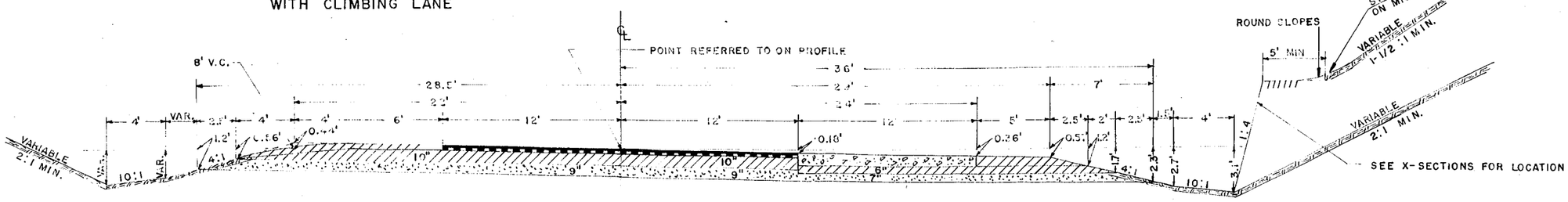
CLIMBING LANE
1/2 SUPERELEVATED SECTION (C)

GRADE CORRECTION 1/2 SECTION (D)



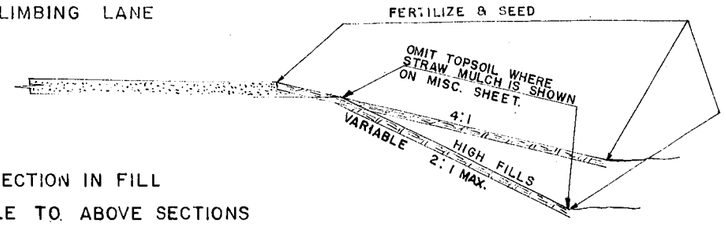
BASE CORRECTION 1/2 SECTION (E)
WITH CLIMBING LANE

BASE CORRECTION 1/2 SECTION (F)

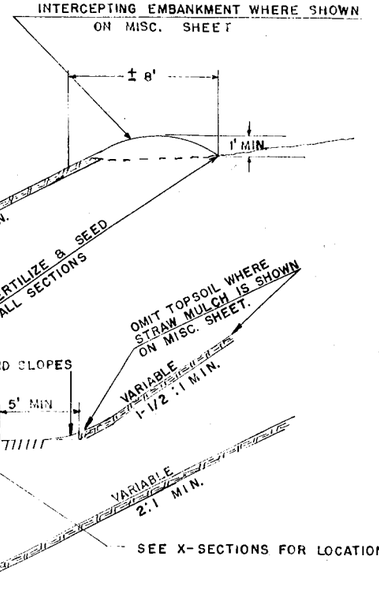


GRADE CORRECTION 1/2 SECTION (D)
SHOWING SUPERELEVATED SECTION

GRADE CORRECTION 1/2 SECTION (G)
WITH CLIMBING LANE

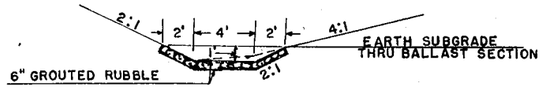


PARTIAL SECTION IN FILL
APPLICABLE TO ABOVE SECTIONS



TYPICAL CROSS SECTIONS
FOR
44' ROADBED

PROJECT	SHEET NUMBER	TOTAL SHEETS
F05-3(21)	2.1	101

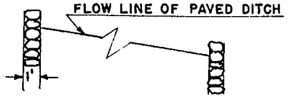


SECTION SHOWING PAVED DITCH



SECTION SHOWING CUT OFF WALL

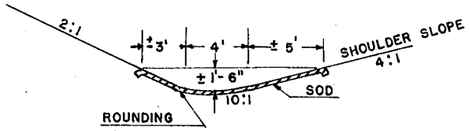
CUT OFF WALLS TO BE INCLUDED IN BID PRICE FOR GROUTED RUBBLE PAVING



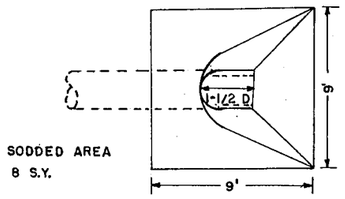
LOCATION OF CUT OFF WALLS SHOWN ON MISC. SHEET

PROFILE SHOWING CUT OFF WALLS

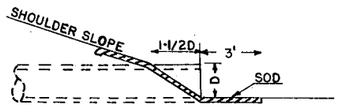
TYPICAL GROUTED RUBBLE PAVED DITCH



TYPICAL SOD DITCH

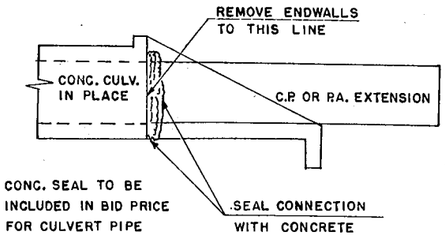


PLAN



SECTION

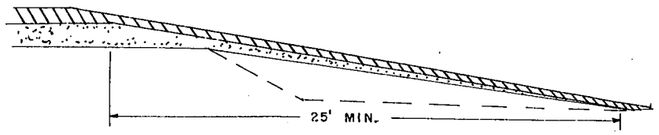
SODDING S.R. & P.E. CULVERTS



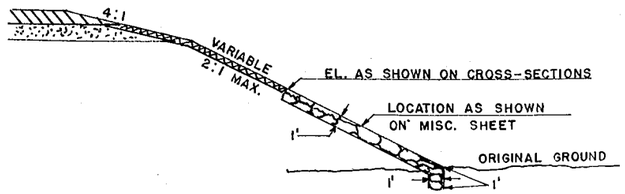
CULVERT PIPE EXTENSION TO CONC. BOX CULVERT

APPLICABLE STANDARD DETAIL DRAWINGS

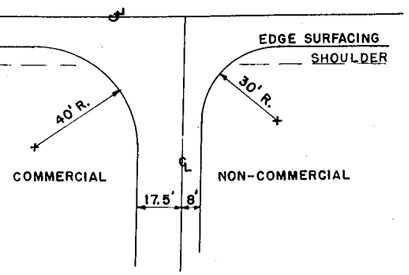
1-2.1.1	PIPE CULVERT PLACEMENT
4-4.2.4	TRANSVERSE JOINTS-CONC. PAV'T.
6-2.4.1	RIP RAP FOR CULVERT END WALLS
6-5.1.3	COR. METAL PIPE ARCH
7-1.3.2	MARKER POSTS
7-2.4.1	STEEL PLATE BEAM GUARD CLASS (B)
7-4.1.1	CONSTRUCTION BARRICADE
8-2.1.1	SOD BACKSLOPE FLUME



PROFILE OF SIDE ROADS & PRIVATE ENTRANCES WITH BALLAST IN FILL

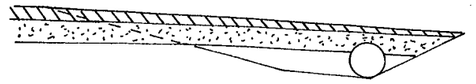


RIP RAP SECTION FOR FILLS

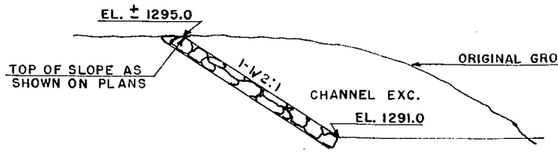


TYPICAL PLAN PRIVATE ENTRANCES

(EXCEPT AS OTHERWISE SHOWN ON PLANS)

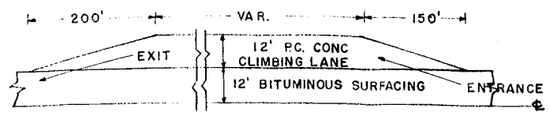


PROFILE OF SIDE ROADS & PRIVATE ENTRANCES WITH BALLAST IN CUT



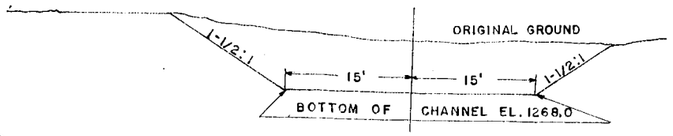
TYPICAL SECTION CHANNEL CHANGE & CHANNEL PROTECTION

STA. 526 + 60 - 527 + 65 LT.
SEE PLAN & MISC. SHEETS



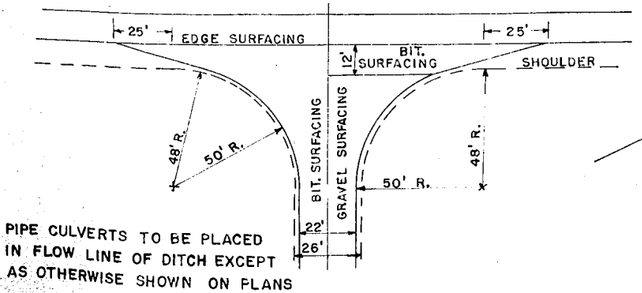
TYPICAL PLAN CLIMBING LANES

STA'S. AS SHOWN ON MISC. SHEET



TYPICAL SECTION CHANNEL CHANGE

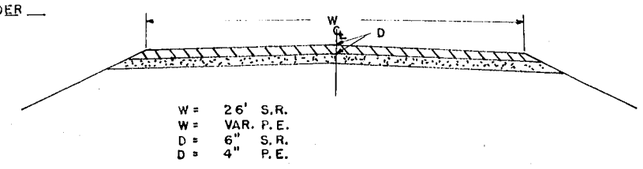
STA. 301 + 60 RT.



PIPE CULVERTS TO BE PLACED IN FLOW LINE OF DITCH EXCEPT AS OTHERWISE SHOWN ON PLANS

TYPICAL PLAN SIDE ROADS

2" BITUMINOUS SURFACING



TYPICAL SECTION FOR SIDE ROADS & PRIVATE ENTRANCES

MISC. DESIGN DETAILS

SCALE — SEE DIMENSIONS

ESTIMATE OF QUANTITIES

CONTRACT NO. 1

B. P. R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
WIS. 5N	F05-3(21)	3	101

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN — EDITION OF 1951 APPROVED JANUARY 23, 1952; FEDERAL AID REQUIRED CONTRACT PROVISIONS APPROVED JANUARY 31, 1955, AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS

SEC. NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING		GRUBBING		REMOVING OLD CULVERT		REMOVING OLD BRIDGE			REMOVING		EXCAVATION				SAND GRAVEL FILL	FINE GRADING	SHOULDER EMBANKMENT	FINISHING ROADWAY	OBLITERATING OLD ROAD	CONCRETE		GRAVEL OR CRUSHED STONE BASE COURSE		CONCRETE PAVEMENT		CONCRETE HEADERS	CONCRETE SURFACE DRAINS	CONCRETE PAVEMENT REINF.	PREP. ROADBED FOR BITUM. SURF.	BITUM. MAT. FOR PRIME COAT	BITUM. ROAD MIX SURFACE	AGGREGATES FOR BITUM. ROAD MIX SURFACE	BITUM. MAT. FOR SURFACE COURSE	BITUM. CONCRETE PAVEMENT	
	ITEM NO.		2101-1	2101-3	2101-4	2101-6	2104-1		2104-21	2104-22	2104-23	2105-1	2105-7	2106-5	2106-2	2106-4	2109-1	2110-1	2112-1	2113-1	2114-1	2116-1	2201-1	2201-3	2203-1	220	2301-1	2301-	2301-5	2301-6	2301-7	2310-1	2311-1	2313-1	2313-2	2314-1	2317-1	
	UNIT	LIN. FT.	STA.	ACRE	STA.	ACRE	L.S.		L.S.	L.S.	L.S.	SQ.YD.	LIN. FT.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	STA.	STA.	SQ.YD.	SQ.YD.	C.Y.		SQ. YD.	SQ. YD.	SQ. YD.	C.Y.	SQ. YD.	STA.	GAL.	SQ. YD.	C.Y.	TON	TON	
	208+00 - 544+91	33691.0	72		74				1	1	1	11300	9050	139618			88894	28000			344		468	3376	59300		15967					82	20700			870	14500	

BRIDGES (STRUCTURES OVER 20FT. SPAN)

SEC. NO.	REMOVE OLD BRIDGE STA.	COMMON EXC.	EXCAVATION FOR STRUCTURES	SAND GRAVEL FILL	CONCRETE MASONRY	BAR STEEL REINF.	STRUCTURAL CARBON STEEL	STEEL CASTINGS	CARBON STEEL FORGINGS	SHEET LEAD	SHEET ZINC	TR'T'D LUMBER AND TIMBER	UNTR'D TIMBER TEST PILING	UNTREATED TIMBER PILING		TREATED TIMBER PILING		FLOOR DRAINS	RIP-RAP	PILE SHOES
														DELIVERED	DRIVEN	DELIVERED	DRIVEN			
	2104-21	2106-1	2107-1	2110-1	2401-1	2406-2	2407-1	2407-3	2407-4	2407-9	2407-11	2408-2	2501-1	2501-2	2501-3	2501-4	2501-5	2507-1	2512-1	2501-6
	L.S.	C.Y.	C.Y.	C.Y.	C.Y.	LB.	LB.	LB.	LB.	LB.	LB.	M.B.M.	L.S.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	C.Y.	EACH
			1165	430	897.8	109 120	15 600						1	620	620	540	540		500	49

(2 @ 35'-00")

CULVERTS (STRUCTURES 20FT. SPAN & UNDER)

REMOVE OLD CULV'T STA.	COMMON EXC.	EXCAVATION FOR STRUCTURES	SAND GRAVEL FILL	CONCRETE MASONRY	BAR STEEL REINF.	STRUCTURAL STEEL	STEEL CASTINGS	CARBON STEEL FORGINGS	SHEET LEAD	SHEET ZINC	TR'T'D LUMBER AND TIMBER	UNTR'D TIMBER TEST PILING	TREATED TIMBER PILING		FLOOR DRAINS	RIP-RAP
													DELIVERED	DRIVEN		
2104-1	2106-1	2107-2	2110-1	2404-1	2406-3	2407-	2407-3	2407-4	2407-9	2407-11	2408-2	2501-1	2501-4	2501-5	2507-1	2512-1
L.S.	C.Y.	C.Y.	C.Y.	C.Y.	LB.	LB.	LB.	LB.	LB.	LB.	M.B.M.	L.S.	LIN. FT.	LIN. FT.	EACH	C.Y.
		115		154.2	23 890											

SEC. NO.	RUBBLE MASONRY		CULVERT PIPE											RIP-RAP	HEAVY RIPRAP	RUBBLE PAVING		DITCH CHECKS		PIPE UNDER DRAIN	STORM SEWER				CATCH BASINS		MANHOLES		INLETS		CONCRETE			GUARD FENCE			MARKER POSTS	MARKER POSTS FOR R-O-W	CALCIUM CHLORIDE SURFACE TREATMENT	TOPSOIL	SALVAGED TOPSOIL	FERTILIZER	SEEDING	SODDING	STRAW MULCH	INTERCEPTING EMBANKMENT	
	MORTAR	DRY	18"	24"	30"	36"	48"	60"	C.M. PIPE ARCH 50"x31"	C.M. PIPE ARCH 58"x36"	SALVAGED CONC. C.P. 18"	SALVAGED CORR. METAL C.P. 30"				PLAIN	GRO'T'D														CURB	CURB AND GUTTER	SIDE WALK	STEEL PLATE BEAM GUARD (CLASS B)	TIMBER RAIL	ANCHORAGES FOR CABLE										
	2409-2	2409-3	2411-11	2411-12	2411-13	2411-14	2411-15	2411-16	2411-51	2411-52	2411-76	2411-81	2411-	2411-	2512-1	2512-2	2515-1	2515-2	2516-	2516-	2517-1	2519-	2519-	2519-	2519-	2520-	2520-	2520-	2520-	2520-	2520-	2521-1	2521-3	2522-11	2523-6	2523-2	2523-5	2523-3	2523-4	2525-1	2528-1	2528-2	2531-1	2532-1	2533-1	2530-1	S.P.
	C.Y.	C.Y.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	C.Y.	C.Y.	SQ. YD.	SQ. YD.		C.Y	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH	EACH	EACH	EACH	LIN. FT.	LIN. FT.	SQ. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH	TON		SQ. YD.	CWT.	SQ. YD.	SQ. YD.	SQ. YD.	LIN. FT.
			718	272	338	84	116	104	152	19	82	88			321			5716																2644			84	105			117055	26 3	146 100	10102	26 912	2650	

AIL SUMMARY SHEET OF MISCELLANEOUS QUANTITIES

PROJECT	SHEET NUMBER	TOTAL SHEETS
FO 5-3(21)	34	101

NG & GRUBBING

TA.	NO. CLEARING	STA'S GRUBBING
64	14	14
70	4	4
76	2	2
501	15	15
513	1	1
519	3	3
526	1	1
533	2	2
536	1	1
565	1	1
567	1	1
579	1	1
584	3	3
599	1	1
628	4	4
664	1	1
676	3	3
681		2
704	1	1
711	1	1
716	1	1
723	2	2
729	4	4
733	3	3
745	2	2

NG PAVEMENT

STA.	SIDE	S.Y.
	LT.	26
	RT.	26
	RT.	21
	LT.	21.5
	RT.	21.5
	LT.	21.5
	RT.	21.5
	LT.	21.5
	RT.	21.5
	LT.	21.5
	RT.	21.5
		17.8
	LT.	27.5
	RT.	27.5
	LT.	21
	RT.	21
42+70		1600
		17.8
60+26		1947
	LT.	26
	RT.	26
63+10	*	757
		26.6
82+50		1867
		20
92+70		1222
		17.8
16+00		1111
37+20		1622
	LT.	26
	RT.	26
37+80	*	160
ITED		468

INCLUDES ADJACENT CURB & GUTTER

EROSION CONTROL

STA. TO STA.	SIDE	LOCATION	INT. EMB. LIN. FT.	SOD S.Y.	GROUTED RUBBLE PAVING S.Y.	STRAW MULCH S.Y	RIP RAP S.Y.	CUT OFF WALLS STA.
244+50-246+00	LT.	DITCH			139			244+50 246+00
244+50-246+00	RT.	DITCH			139			244+50 246+00
246+00-254+50	LT. & RT.	INSLOPE				8019		
254+50-267+00	RT.	DITCH		1663				
259+00	RT.	BACKSLOPE FLUME		54				
259+00-268+00	RT.	TOP BACKSLOPE	900					
281+00-296+00	LT.	TOP BACKSLOPE	1500					
286+75-293+00	RT.	DITCH			582			286+75 293+00
286+75-296+00	LT.	DITCH			558			286+75 296+00
300+60-301+30	LT.	INSLOPE					26.0	
300+60-301+00	RT.	INSLOPE					22.2	
301+90-302+20	RT.	INSLOPE					14.5	
302+20-303+20	LT.	INSLOPE					55.6	
306+00-314+00	RT.	DITCH			744			306+00 314+00
306+00-311+00	LT.	DITCH			465			306+00 311+00
307+00-315+00	RT.	BACKSLOPE				1458		
311+00-322+00	LT.	DITCH		1463				
314+00-322+00	RT.	DITCH		1064				
328+50-331+00	LT.	TOE INSLOPE	250					
343+00-348+00	LT. & RT.	INSLOPE				2800		
348+50-362+00	LT.	DITCH		1795				
348+50-356+84	RT.	DITCH			776			348+50
349+50-358+50	RT.	BACKSLOPE				1039		
357+54-365+00	RT.	DITCH		992				
378+00-383+38	RT.	DITCH			500			378+00
417+50-426+00	RT.	BACKSLOPE				1300		
419+00-424+00	RT.	DITCH		665				
420+00-425+00	LT.	DITCH		665				
424+00-434+00	RT.	DITCH			930			434+00 424+00
425+00-434+50	LT.	DITCH			883			434+50 425+00
437+00-443+00	LT.	BACKSLOPE				1539		
445+50-449+00	LT. & RT.	INSLOPE				2626		
448+24-449+50	LT.	INSLOPE		162				
449+50-453+17	LT.	DITCH & BACKSLOPE		439				
456+00-463+50	RT.	BACKSLOPE				1344		
475+00-481+50	LT.	BACKSLOPE				1225		
488+00-492+50	LT.	BACKSLOPE				657		
499+50-503+00	RT.	BACKSLOPE				531		
510+00-515+50	RT.	BACKSLOPE				975		
517+00-522+50	RT.	BACKSLOPE				786		
523+60 526+90	LT.	INSLOPE					122	
526+60-527+65	LT.	N.W. CHANNEL SLOPE					39.0	
530+25-539+00	LT. & RT.	BACKSLOPE				2613		
281+00 -285+00	LT.	DITCH		532				

CONCRETE BASE COURSE WIDENING

STA. TO STA.	SIDE	S. Y.
232+00-239+50	LT.	167
232+00-239+50	RT.	167
273+25-274+75	LT.	33
273+25-274+75	RT.	33
306+75-327+50	LT.	461
306+75-327+50	RT.	461
366+25-371+50	LT.	117
366+25-371+50	RT.	117
395+50-399+50	LT.	89
395+50-399+50	RT.	89
411+50-415+50	LT.	89
411+50-415+50	RT.	89
416+50-435+50	LT.	422
416+50-435+50	RT.	422
482+25-483+50	LT.	28
482+28-483+50	RT.	28
492+50-500+50	LT.	178
492+50-500+50	RT.	178
515+80-520+20	LT.	104
515+80-520+20	RT.	104

MARKER POSTS FOR SHOULDERS

STA. TO STA.	SIDE	NO.
344+50-346+50	LT.	5
344+50-346+50	RT.	5
445+50-448+50	LT.	7
445+50-448+50	RT.	7
467+80-470+30	LT.	6
467+80-470+30	RT.	6
8 "H"+00-9 "H"+78	LT.	6
8 "H"+00-9 "H"+78	RT.	6
10 "I"+22-12 "I"+00	LT.	6
10 "I"+22-12 "I"+00	RT.	6

ENTRANCES

STATION	P.E. & S.R. LT.	P.E. & S.R. RT.	S-G FILL C.Y.	BASE COURSE C.Y.	CULVERT PIPES & PIPE ARCHES DIAM. INCHES	CULVERT PIPES & PIPE ARCHES LENGTH LIN. FT.	CULVERT PIPES & PIPE ARCHES TYPE	SOD C.Y.	REMARKS
219 + 00	S.R.			30	18	42	C.C.P.	16	SALVAGE
224 + 97	S.R.			30	30	60	C.M.C.P.	16	SALVAGE
228 + 87	P.E.			15	30	28	C.M.C.P.	16	SALVAGE
238 + 30	P.E.			15	30	32	C.P.	16	
261 + 75		P.E.		15	24	32	C.P.	16	
263 + 20	P.E.			20					
265 + 00		P.E.		20	18	40	C.P.	16	
276 + 15	P.E.			20					
277 + 87	S.R.			40	18	40	C.C.P.	16	SALVAGE
277 + 66		P.E.		15					
300 + 00	P.E.		30	60	30	34	C.P.	16	
304 + 21		S.R.	30	40	30	48	C.P.	16	
313 + 06	P.E.			15	24	28	C.P.	16	
314 + 05		P.E.		20	24	32	C.P.	16	
316 + 52	P.E.			20	18	28	C.P.	16	
317 + 69	P.E.			20	18	28	C.P.	16	
326 + 11	P.E.			20	18	28	C.P.	16	
330 + 65		S.R.	30	50	18	40	C.P.	16	
11"C"+ 00		P.E.		15	18	24	C.P.	16	
331 + 18	P.E.		30	35	18	30	C.P.	16	
337 + 00		P.E.	30	15	18	28	C.P.	16	
337 + 00	P.E.		30	25	18	28	C.P.	16	
340 + 15	P.E.			40					
341 + 28	P.E.			20	18	28	C.P.	16	
342 + 91		P.E	30	15					
353 + 93	P.E.			25	24	28	C.P.	16	
357 + 19		S.R.		40	50 X 31	70	C.M.P.A.	16	
362 + 65	P.E.			20	24	28	C.P.	16	
365 + 49		P.E.		20	18	28	C.P.	16	
383 + 64		S.R.		40	50 X 31	56	C.M.P.A.	16	SKEW 20° L.H.F 10°E"+56
383 + 64	S.R.			40	18	40	C.P.	16	
385 + 00	P.E.			40	18	50	C.P.	16	
409 + 50	P.E			15	18	28	C.P.	16	
411 + 27		P.E.		15	18	28	C.P.	16	
414 + 40	P.E.			15					
426 + 30		P.E.		15	24	28	C.P.	16	
436 + 56	S.R.		30	40					
436 + 56		S.R.	30	40					
443 + 60	P.E.		30	25	18	30	C.P.	16	
450 + 84	P.E.		30	30					
456 + 04		P.E.	30	20	18	28	C.P.	16	
471 + 47	P.E.		30	25	24	36	C.P.	16	
474 + 40		P.E.	30	20	18	28	C.P.	16	
487 + 90	P.E.		30	40	18	58	C.P.	16	
489 + 43	S.R.		30	40	18	70	C.P.	16	
489 + 43		S.R.	30	40					
505 + 34		P.E.	30	40	24	30	C.P.	16	
510 + 55	P.E.		30	20					
516 + 04	S.R.			150					
521 + 28		P.E.		20	18	28	C.P.	16	
529 + 30		S.R.	30	175					
533 + 50		P.E.	30	35					
533 + 50	P.E.		30	30					

CONCRETE BASE COURSE

STA. TO STA.	S. Y.
UNDISTRIBUTED	468

CULVERTS UNDER CENTERLINE

SEC. NO.	STATION	DIAMETER INCHES	LENGTH LIN. FT.	TYPE	S-G FILL C.Y.	BASE COURSE C.Y.	MARKER POSTS
	249 + 34	72X72	43.25 LT. 44 RT	CONC. BOX			2
	335 + 15	30	86	C.P.	93	3	2
	345 + 26	96X72	26.75 LT. 25 RT.	CONC. BOX			2
	376 + 37	72X48	16 LT 15.5 RT.	CONC. BOX			2
	401 + 08	50X31	14 LT 12 RT	C.M.P.A.		4	2
	435 + 33	58X36	9 LT 10 RT	C.M.P.A.		4	2
	437 + 00	30	74	C.P.	67	3	2
	446 + 78	48	116	C.P.	40	5	2
	468 + 95	60	104	C.P.	50	14	2
	482 + 56	30	64	C.P.	50	3	2
	507 + 93	36	84	C.P.	35	3	2
	516 + 56	24	22 LT 8 RT	C.P.		2.5	2

CONCRETE PAVEMENT CLIMBING LANE

STA. TO STA.	WIDTH	SIDE	S.Y.
208+00-210+00	TAPER	LT.	133.3
210+00-239+00	12'	LT.	3866.7
239+00-240+50	TAPER	LT.	100.0
257+50-259+00	TAPER	RT.	100.0
259+00-281+00	12'	RT.	2933.7
281+00-283+00	TAPER	RT.	133.3
271+00-273+00	TAPER	LT.	133.3
273+00-295+00	12'	LT.	2933.7
295+00-296+50	TAPER	LT.	100.0
307+50-309+00	TAPER	RT.	100.0
309+00-329+00	12'	RT.	2666.7
329+00-331+00	TAPER	RT.	133.3
410+00-412+00	TAPER	LT.	133.0
412+00-430+00	12'	LT.	2400.0
430+00-431+50	TAPER	LT.	100.0

STEEL PLATE BEAM GUARD (CLASS B)

STA. TO STA	SIDE	LIN. FT.
246+50 - 253+54	LT.	704
246+50 - 253+54	RT.	704
299+96.9 - 301+00.9	RT.	104
300+32.2 - 301+23.7	LT.	92
301+96.3 - 303+00.3	RT.	104
302+19.1 - 303+23.1	LT.	104
525+82.6 - 526+86.6	LT.	104
525+91.4 - 526+95.4	RT.	104
527+74.6 - 528+78.6	LT.	104
527+83.4 - 528+87.4	RT.	104
538+46.5 - 539+50.5	LT.	104
538+46.5 - 539+50.5	RT.	104
540+35.5 - 541+39.5	LT.	104
540+35.5 - 541+39.5	RT.	104

REMOVING CURB & GUTTER

STA TO STA	SIDE	LIN. FT.
239+14-242+50	LT.	336
239+14-242+50	RT.	336
259+00-262+26	LT.	326
259+00-262+58	RT.	358
282+08-295+50	LT.	1342
282+08-295+50	RT.	1342
305+70-315+60	LT.	990
305+70-315+60	RT.	990
418+82-433+97	LT.	1515
418+82-433+97	RT.	1515

F05-3(21)

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE	CLASS AND AGREEMENT FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
37.1	5.3		11.21	WIS. 5N	4.0	101

TOWN OF MAINE

P.I. - 275+20.6
Δ - 2° 15'
D - 0° 30'
T - 225'
L - 450'
R - 11460'

P.I. 275+20.6

P.T. 277+45.6

STA. 544+91
END OF RELOC ORDER
PROJ. F 05-3(21)
= STA. 371+79 END OF F.A.P. 449C

TO MERRILL

TO WAUSAU

N 0° 44' E

1320.3'

224+96.6

P.T. 230+46.75

238+18

251+40

265+88

272+95.6

277+87

=10A+00

12A+50

N 1° 31' W

MILK HO.

DRY-WELL 47'

SEPTIC TANK 57'

266+67

269+90

275+37

COR. ON ℄

P.L. 264+50

244+86

S E S E

N E S E

S E N E

N E N E

S W S W

N W S W

S W N W

N W N W

STA. 238+18
BEG. OF RELOC. ORDER PROJ. F 05-3(21)
= STA. 238+18 END OF RELOC ORDER PROJ. F 05-3(17)
= STA. 65+05 F.A.P. 449C

T 30 N R 7 E
SEC. 5 4 32 33

T 30 N R 7 E
SEC. 29 28 32 33

LOCATION SKETCH

SCALE ONE MILE

R6E LINCOLN COUNTY MARATHON RTE COUNTY

T 30 N

OFFICIAL LAYOUT OF TOWN OF MAINE

US 51

TO WAUSAU

WISCONSIN RIVER

SCHEDULE OF LAND AND INTERESTS REQUIRED

NOTE: ACQUIRE EASEMENTS FOR HIGHWAY PURPOSES EXCEPT AS OTHERWISE SPECIFIED

PAR.	OWNER	DESCRIPTION	ACRES CULT.	ACRES WILD	ACRES TIMBER	ACRES TOTAL	INTERESTS REQUIRED	MOVING FENCE BARBED	MOVING FENCE WOVEN
1	HERMAN RAKOW		1.47			1.47			
2	LEWIS RAKOW		1.47			1.47			
3	THEODORE HACKBARTH		0.13		1.26	1.39			
4	GEORGE RAKOW			2.05		2.05			
5	WALTER SAEGER		1.02			1.02			
6	FLORIAN KARDACK		0.14			0.14			
7	ALBERT RUSCH			0.14		0.14			
8	WALTER WISNEFSKI	SEE SHEET 4.1							

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT F 05-3(21)

WAUSAU - MERRILL ROAD

U.S.H. 51 MARATHON COUNTY

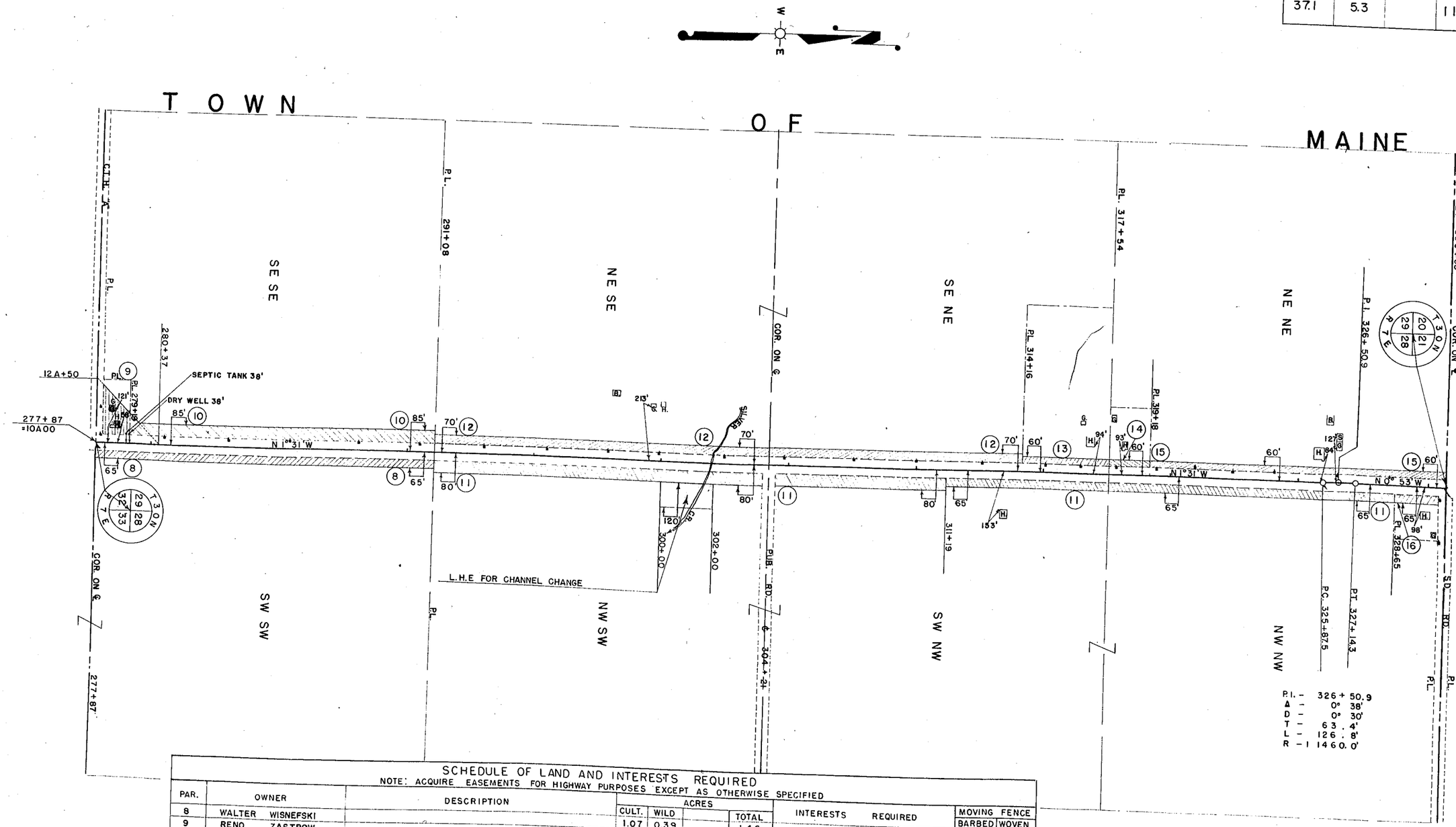
SCALE 0 100 200 400

LENGTH = 5.809 MILES

DATED 12-16-54

F05-3(21)

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.1	5.3		11.21	WIS. 5N	4.1	101



304-21

SCHEDULE OF LAND AND INTERESTS REQUIRED

NOTE: ACQUIRE EASEMENTS FOR HIGHWAY PURPOSES EXCEPT AS OTHERWISE SPECIFIED

PAR.	OWNER	DESCRIPTION	ACRES				INTERESTS REQUIRED	MOVING FENCE	
			CULT.	WILD		TOTAL		BARBED	WOVEN
8	WALTER WISNEFSKI		1.07	0.39		1.46			
9	RENO ZASTROW		0.37			0.37			
10	WALTER SAEGER		1.00	0.39		1.39			
11	JOSEPH NEIN		1.71	1.74		3.45	INCL. L.H.E. (FOR CHANNEL CHANGE)		
12	RAYMOND ZASTROW		1.96			1.96			
13	HENRY LAABS		0.21			0.21			
14	ERWIN PORATH		0.10			0.10			
15	HERBERT HARTWIG		0.71			0.71			
16	ADOLPH DORN		0.12			0.12			

STATE HIGHWAY COMMISSION OF WISCONSIN

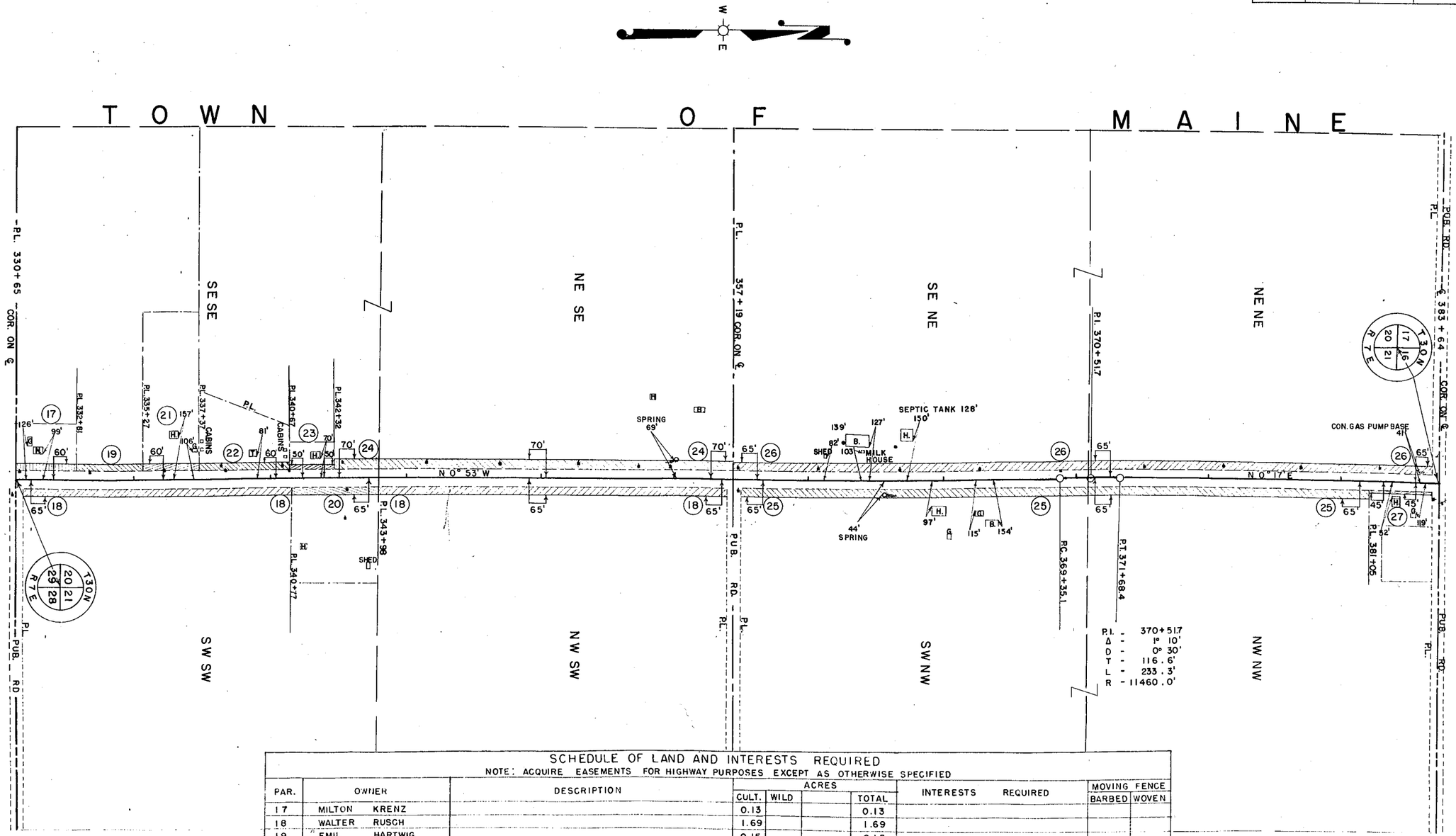
PLAT OF RIGHT OF WAY REQUIRED

PROJECT F 05-3(21)

SCALE

F05-3(21)

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE	CLASS AND AGREEMENT FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
37.1	53		11.21	WIS. 5N	4.2	101



SCHEDULE OF LAND AND INTERESTS REQUIRED

NOTE: ACQUIRE EASEMENTS FOR HIGHWAY PURPOSES EXCEPT AS OTHERWISE SPECIFIED

PAR.	OWNER	DESCRIPTION	ACRES CULT.	ACRES WILD		ACRES TOTAL	INTERESTS REQUIRED	MOVING FENCE BARBED	MOVING FENCE WOVEN
17	MILTON KRENZ		0.13			0.13			
18	WALTER RUSCH		1.69			1.69			
19	EMIL HARTWIG		0.15			0.15			
20	WILBERT GOETSCH		0.24			0.24			
21	WALTER STECKLING		0.13			0.13			
22	EDWARD FRAEDRICH		0.20			0.20			
23	WALTER STEIDTMAN		0.06			0.06			
24	ARNOLD HARTWIG		1.26			1.26			
25	VICTOR STURM		1.79			1.79			
26	HARRY STURM		1.94			1.94			
27	CARL D. JANISCH		0.06			0.06			

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT F 05-3(21)

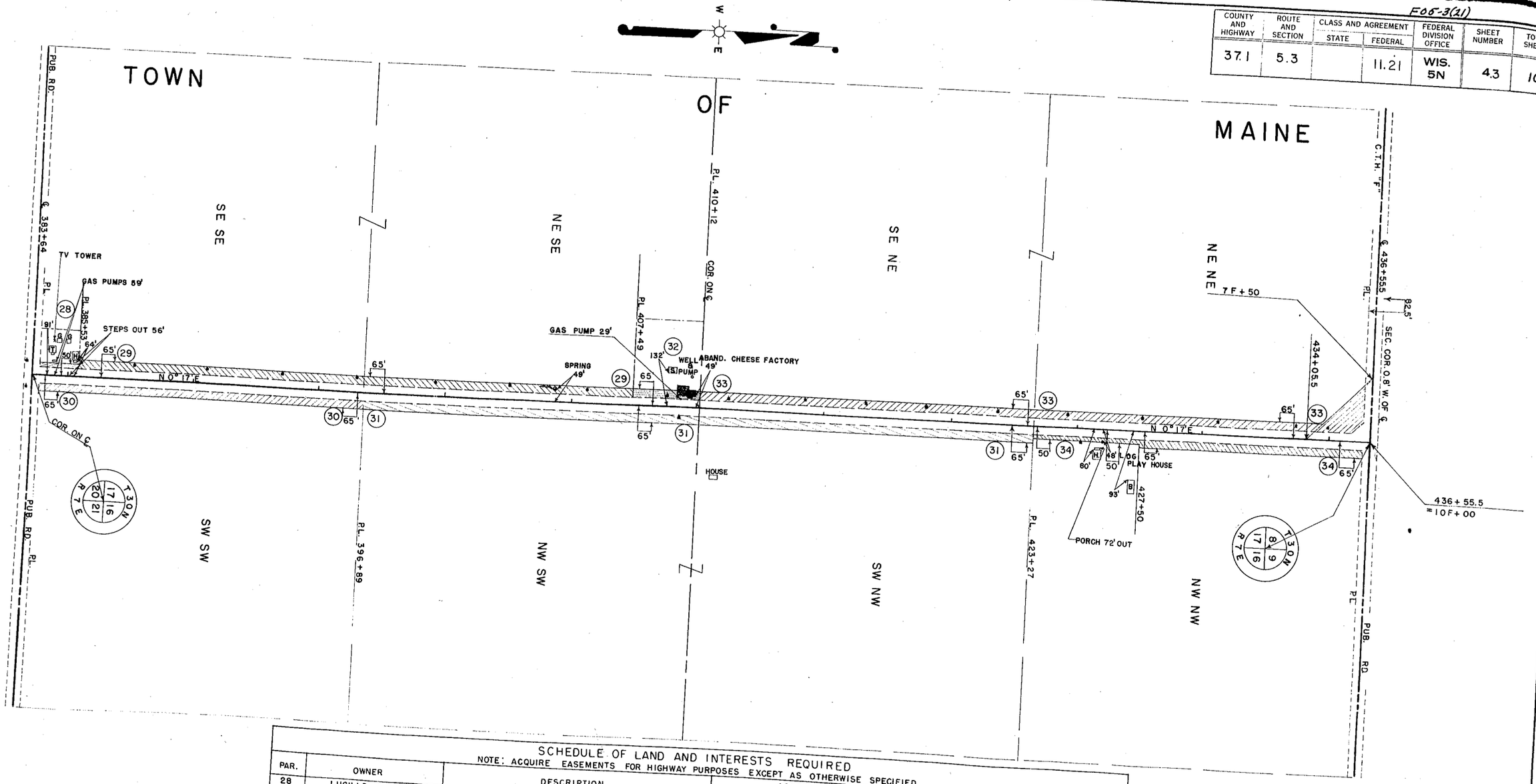
SCALE

0 100' 200' 400'

DATED 12-16-54

F05-3(21)

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE	CLASS AND AGREEMENT FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
37.1	5.3		11.21	WIS. 5N	4.3	101



SCHEDULE OF LAND AND INTERESTS REQUIRED

NOTE: ACQUIRE EASEMENTS FOR HIGHWAY PURPOSES EXCEPT AS OTHERWISE SPECIFIED

PAR.	OWNER	DESCRIPTION	ACRES CULT.	ACRES WILD	ACRES	ACRES TOTAL	INTERESTS REQUIRED	MOVING FENCE BARBED	MOVING FENCE WOVEN
28	LUCILLE M. SCHULTZ		0.06			0.06			
29	WALTER MAAHS		1.19	0.42		1.61			
30	HERBERT GOETSCH		0.95			0.95			
31	MARTIN SCHULTZ		1.94			1.94			
32	LOUIS TOTH		0.19			0.19			
33	ALBERT STECKLING		2.10			2.10			
34	WALTER STECKLING		0.81			0.81			

STATE HIGHWAY COMMISSION OF WISCONSIN

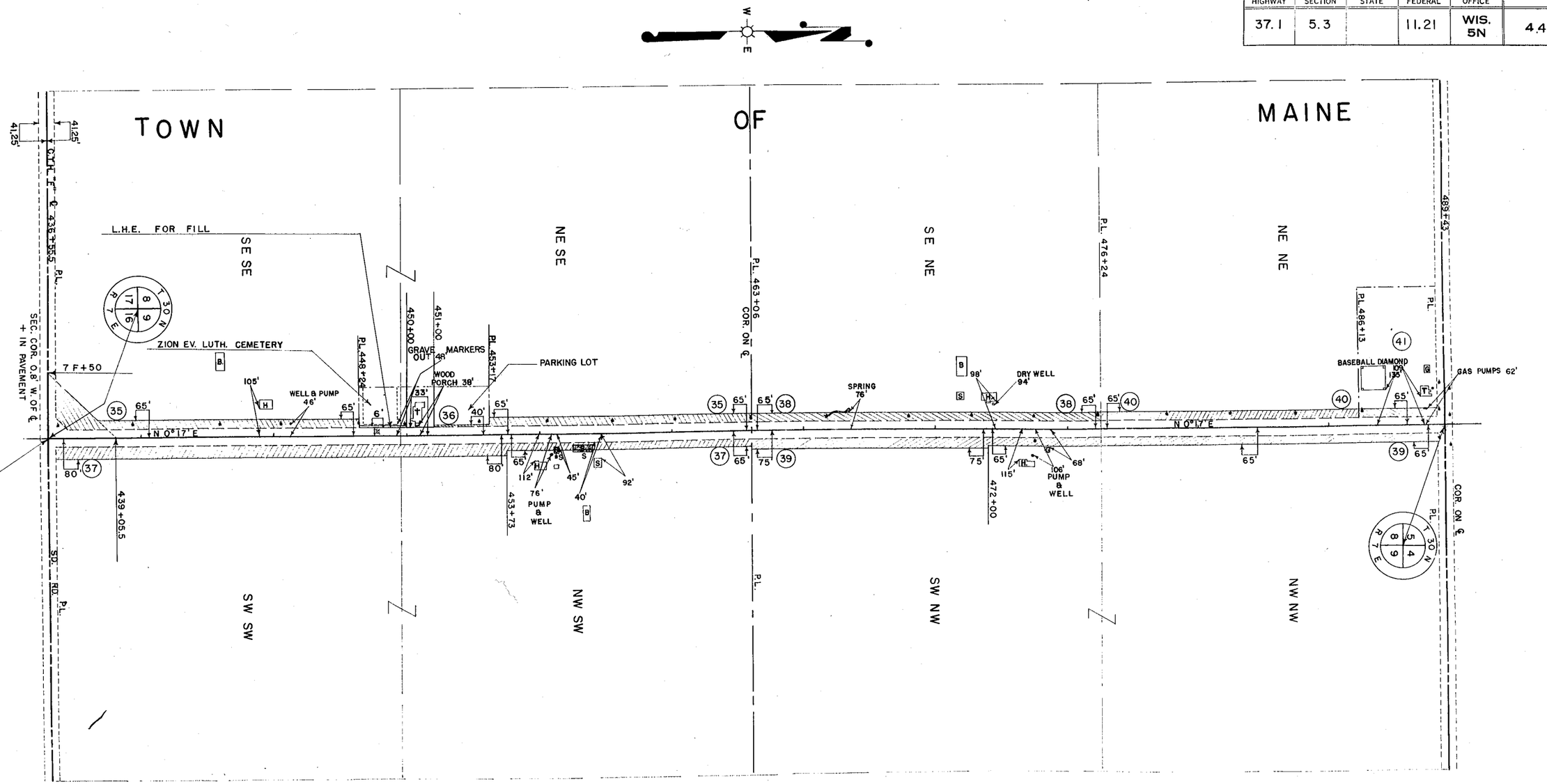
PLAT OF RIGHT OF WAY REQUIRED

PROJECT F 05-3 (21)

SCALE

F05-3(21)

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE	CLASS AND AGREEMENT FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
37.1	5.3		11.21	WIS. 5N	4.4	101



SCHEDULE OF LAND AND INTERESTS REQUIRED

NOTE: ACQUIRE EASEMENTS FOR HIGHWAY PURPOSES EXCEPT AS OTHERWISE SPECIFIED

PAR.	OWNER	DESCRIPTION	ACRES CULT.	ACRES WILD		ACRES TOTAL	INTERESTS REQUIRED	MOVING FENCE BARBED	MOVING FENCE WOVEN
35	FRANK C. ERDMAN		1.85			1.85			
36	ZION EV LUTH. CONG.		0.03			0.03	INCL. L.H.E. (FOR FILL)		
37	WILLIAM PEIKOWSKI		2.50			2.50			
38	JOHN K. NELSON		0.96			0.96			
39	ELMER F WOLLER		2.12			2.12			
40	ERNEST JAHNS		0.73			0.73			
41	ERNEST & WALTER JAHNS		0.22			0.22			

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

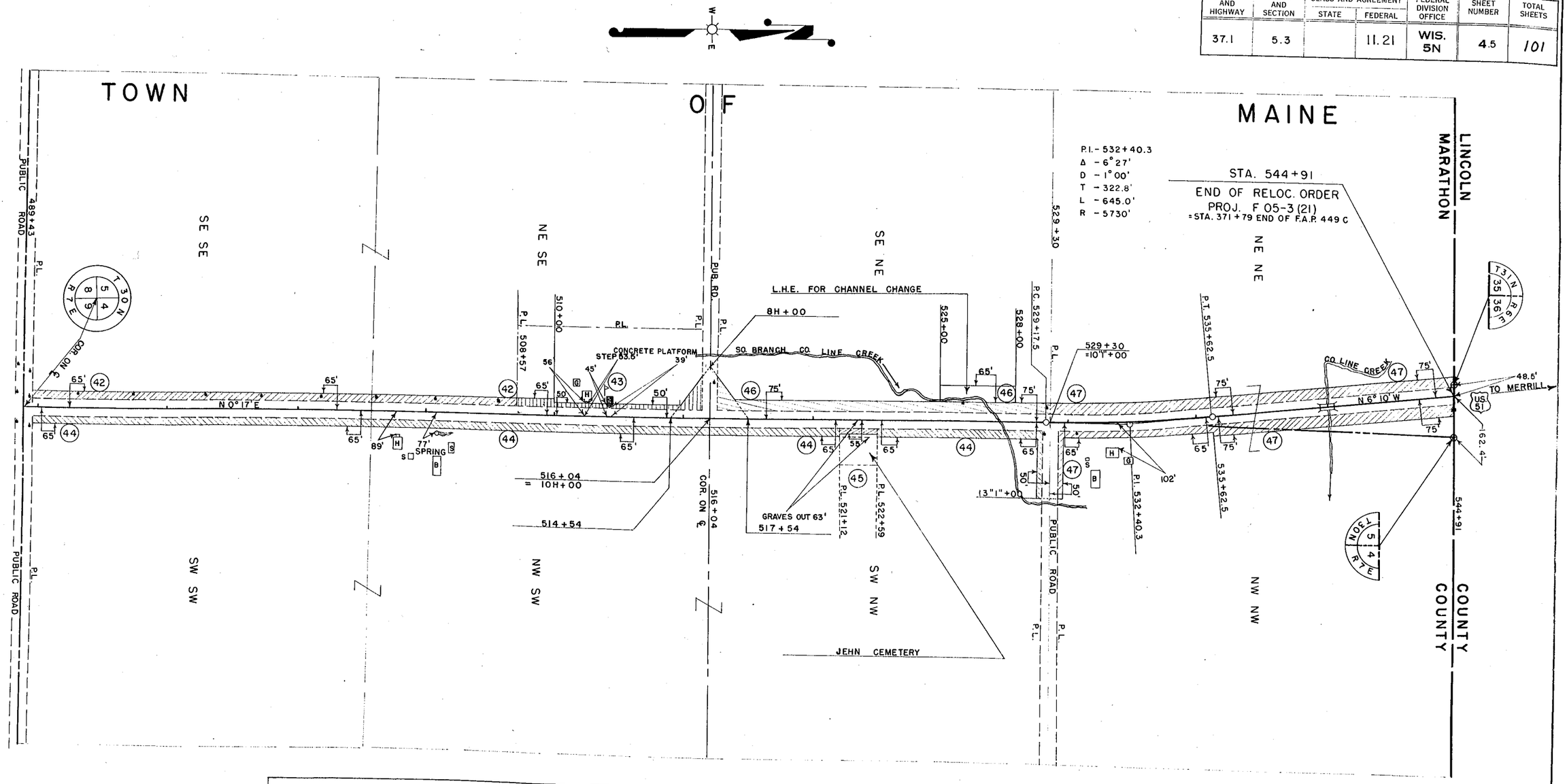
PROJECT F 05-3(21)

SCALE 0 100' 200' 400'

DATED 12-16-54

F05-3(21)

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.1	5.3		11.21	WIS. 5N	4.5	101



SCHEDULE OF LAND AND INTERESTS REQUIRED

NOTE: ACQUIRE EASEMENTS FOR HIGHWAY PURPOSES EXCEPT AS OTHERWISE SPECIFIED

PAR.	OWNER	DESCRIPTION	ACRES				INTERESTS REQUIRED	MOVING FENCE	
			CULT.	WILD		TOTAL		BARBED	WOVEN
42	VICTOR WOLLER		1.38			1.38			
43	ZION & ST. JOHN LUTH. CONG.		0.33	0.08		0.41			
44	VERNIE ELLINGSON		2.93			2.93			
45	ST. PAUL CONG.		0.07			0.07			
46	DORATHEA HANNEMANN		0.98	0.35		1.33	INCL. L.H.E. (FOR CHANNEL CHANGE)		
47	WALTER E. RADTKE		2.67	0.26		2.93			
48	WISC. PUBLIC SERVICE CORP.						CONTRACT - TO BE ACQUIRED BY THE STATE HIGHWAY COMMISSION		

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT F 05-3(21)

SCALE

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	F05-3(21)	5	101

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
28	206+00	X S.E. COR. TAV. STEP	188' RT.	1409.90
29	212 +00	SPK. IN 10" ELM	246' LT.	1427.12
30	218 +40	SPK. IN 18" APPLE	150' LT.	1417.42
31	228 +95	SPK. IN 20" ELM	385' LT.	1382.10

NOTE: ALL MARKER POSTS IN PLACE STA. 208+00 TO STA. 238+18

206+97.8 = 10F+00

PUBLIC ROAD

TOWN GARAGE

TOWN HALL

PUBLIC ROAD

P.I. 214+66.75

F. SCHEFFLER

G

S ORCHARD

H WELL

LOUIS RAKOW

CULT.

NO° 44' E

PUBLIC ROAD

WILLIAM VOELKER

CULT.

RR

RE

CULT.

200 U.S.H. 51 TO WAUSAU 205 210 215 220 225 230

135'

135'

75'

P.T. 230+46.75

HERMAN SCHULT

CULT.

TAV.

WELL H

F G

PUBLIC ROAD

P.I. 209+63

BEGINNING OF PROJ. F 05-3(21) STA. 208+00

P.I. 214+66.75
Δ 32° 30' RT.
D 1°-00'
T 1670.0'
L 3250.0'
S.E. 0.02 FT/FT.

CULT.

LOUIS RAKOW

+00 LT. — SEE TYPICAL SECTIONS — C — NO WORK — +00 LT.

RT. — RT.

NET LENGTH OF ℄ STA. 208+00 TO STA. 232+00 = 2400 LIN. FT.

PLAN LEGEND

UNCLASSIFIED EXCAVATION	- UNC.
BORROW	- B.
SHRINKAGE	- SHG.
EMBANKMENT	- F
CUBIC YARDS	- C.Y.
TREES TO BE REMOVED	- ✕
CORRUGATED METAL PIPE ARCH	- C.M.P.A.
CULVERT	- CULV.
REINFORCED CONCRETE	- REINF. CONC.
ROADWAY	- RDWY.
DRAWINGS	- DWGS.
CULVERT PIPE	- C.P.
LEFT HAND FORWARD	- L.H.F.
RIGHT HAND FORWARD	- R.H.F.

+00

UNC.	10553 C.Y.
FILL	8758 C.Y.
SHG.	33-1/3 %

1420 1410 1400 1390 1380 1370 1360 1350

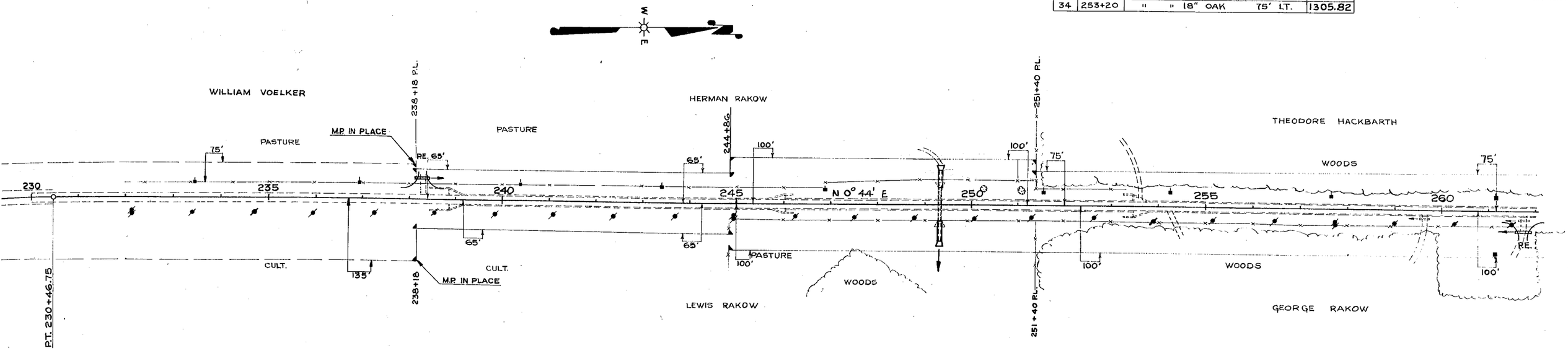
1415.55 16.60 17.10 17.60 17.8 17.7 17.4 16.8 15.9 14.8 13.5 12.0 10.4 08.5 06.4 04.2 01.9 1399.3 96.9 93.6 90.4 86.9 83.4 79.5 75.4 71.0

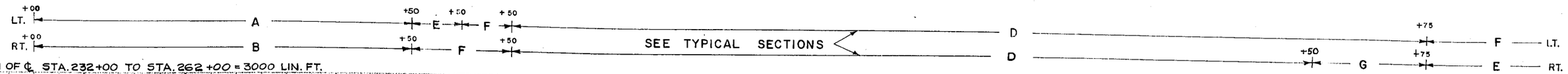
200 2 3 4 205 6 7 8 9 210 1 2 3 4 215 6 7 8 9 220 1 2 3 4 225 6 7 8 9 230 1 2

PLATE 1—PLAN-PROFILE

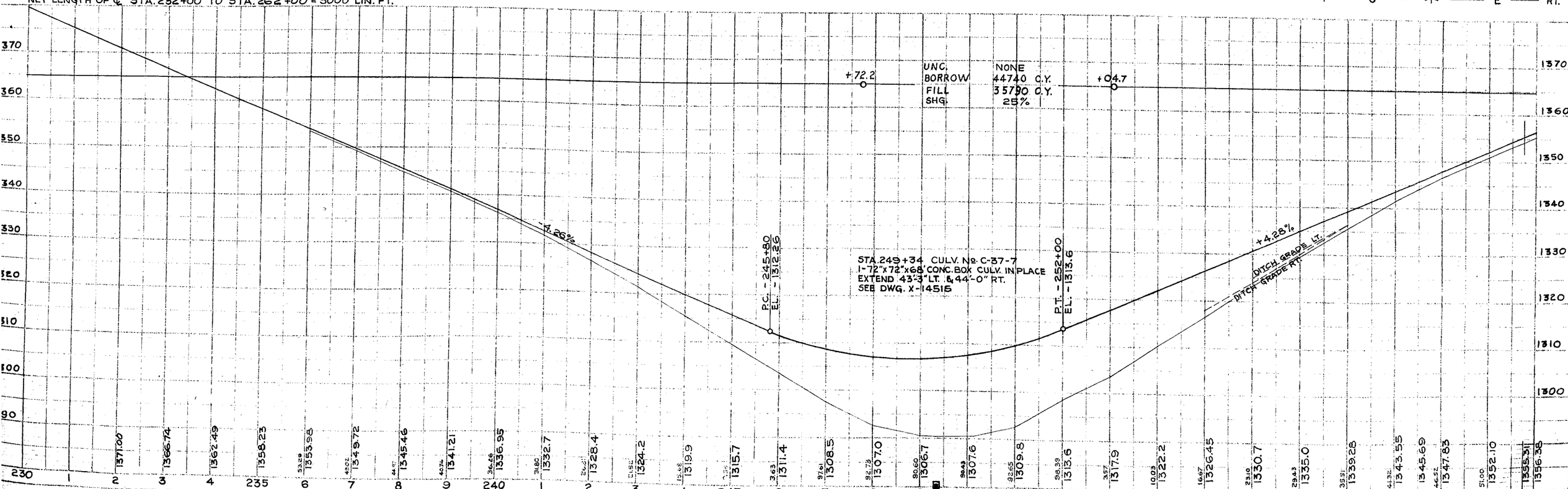
BENCH MARKS

NO	STATION	DESCRIPTION	EL.
32	239+50	SPIKE IN 10" W. PINE 400' LT.	1336.22
33	246+52	" " 36" OAK 100' RT.	1395.82
34	253+20	" " 18" OAK 75' LT.	1305.82





NET LENGTH OF ℄ STA. 232+00 TO STA. 262+00 = 3000 LIN. FT.



F 05-3(21) 7

P.C. STA. 272+95.6

F. POST

P.I. CROSS ON PAV'T
STA. 275+20.6

P.T. STA. 277+45.6

SIGN

SIGN

P.I.	275+20.6
Δ	2° 15' LT.
D	0° 30'
T.	225.0'
L.	450.0'
R.	11460.0'
S.E.	0.02'/FT.

F. POST

P.O.T. PK SPIKE
STA. 280+06.8

M.P

BENCH MARKS			
NO.	STATION	DESCRIPTION	EL.
34	253+20	SPIKE IN 18" OAK 75' LT.	1305.82
35	263+75	SPIKE IN 24" BIRCH 79' LT.	1359.56
36	269+56	SPIKE IN 14" PINE 85' RT.	1392.50
37	279+04	SPIKE IN 10" MAPLE 76' LT.	1403.64
38	288+75	SPIKE IN 6" OAK 63' RT.	1347.03

THEODORE HACKBARTH

WOODS

CULT.

PASTURE

CULT.

WALTER SAEGER

WALTER SAEGER

CULT.

WILD

P.C. 272+95.6

P.I. 265+88

P.I. 277+62

P.I. 278+07

P.I. 277+45.6

12A+50

MILK HOUSE

WELL

ORCHARD

RENO ZASTROW

P.I. 279+19

291+08 P.I.

260

265

270 N 0° 44' E

275

280

285 N 1° 31' W

290

75'

60'

100'

85'

70'

65'

80'

DRY WELL
5" VENT SEPTIC TANK

8" CONC. WALL

277+87=10A+00

WOODS

WOODS

CULT.

CULT.

WOODS

GEORGE RAKOW

FLORIN KARDACK

ALBERT RUSCH

WALTER WISNEFSKI

P.I. 264+50

P.I. 266+67

P.I. 269+90

P.I. 275+20.6

275+37

277+87

280+37

LT.

RT.

F

E

SEE TYPICAL SECTIONS

+00

E

+25

A

+75

NET LENGTH OF ℄ STA. 262+00 TO STA. 292+00 = 3000 LIN. FT.

27919
27787
132

1400
1390
1380
1370
1360
1350
1340
1330
1320

+4.28%

-7.01%

+85.2

+85.2

UNC. FILL SHG.

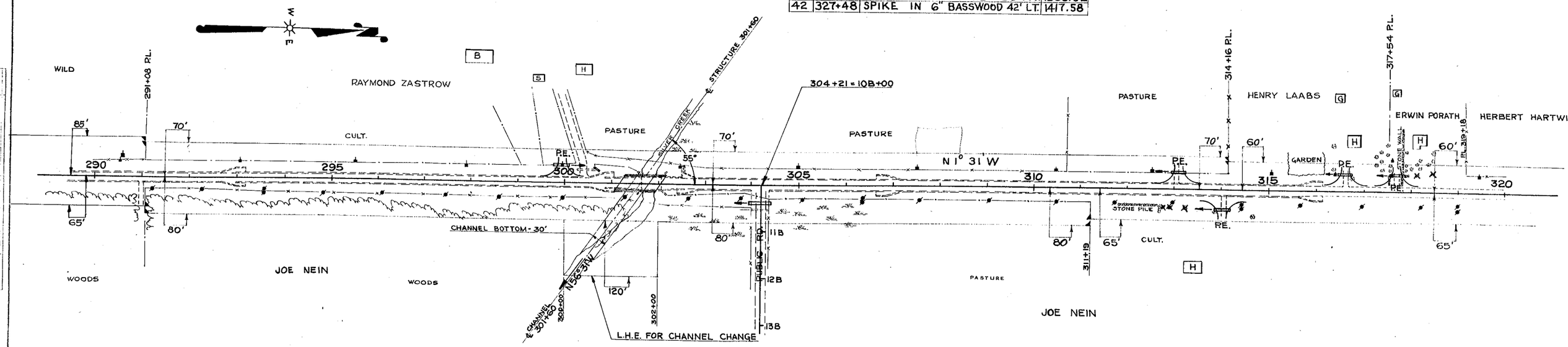
13977 C.Y.
10838 C.Y.
33-1/3 %

260 1347.83
3.00 1352.10
+75 2 55.21 1355.31 1356.38
+65 3 59.43 1359.16 1360.65
4 63.68 1364.93
265 67.93 1369.20
6 72.29 1373.48
7 76.49 1377.75
80.78 1382.03
85.05 1386.30
89.39 1390.58
93.75 1394.85
97.94 1398.9
1402.2
1404.4
1405.7
1406.2
1404.7
1404.5

F 05-3(21)	8	101

BENCH MARKS

NO.	STATION	DESCRIPTION	EL.
38	288+75	SPIKE IN 6" OAK 63' RT.	1347.03
39	295+22	SPIKE IN 8" HEMLOCK 88' RT.	1288.58
40	305+92	SPIKE IN 12" ELM 137' RT.	1287.25
41	314+67	SPIKE IN 12" APPLE 56' RT.	1359.92
42	327+48	SPIKE IN 6" BASSWOOD 42' LT.	1417.58

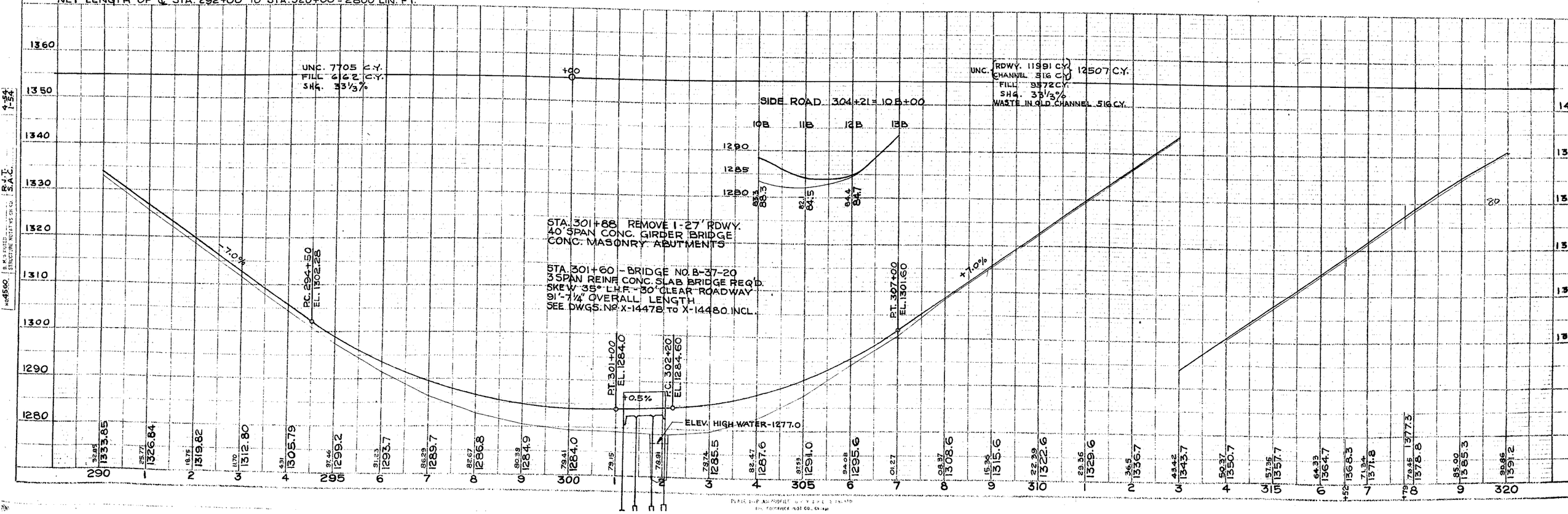


LT. — E +50 — G +50 — D +75 — B — LT.

RT — F +50 — D +75 B +50 — A — RT.

SEE TYPICAL SECTIONS

NET LENGTH OF ℄ STA. 292+00 TO STA. 320+00 = 2800 LIN. FT.

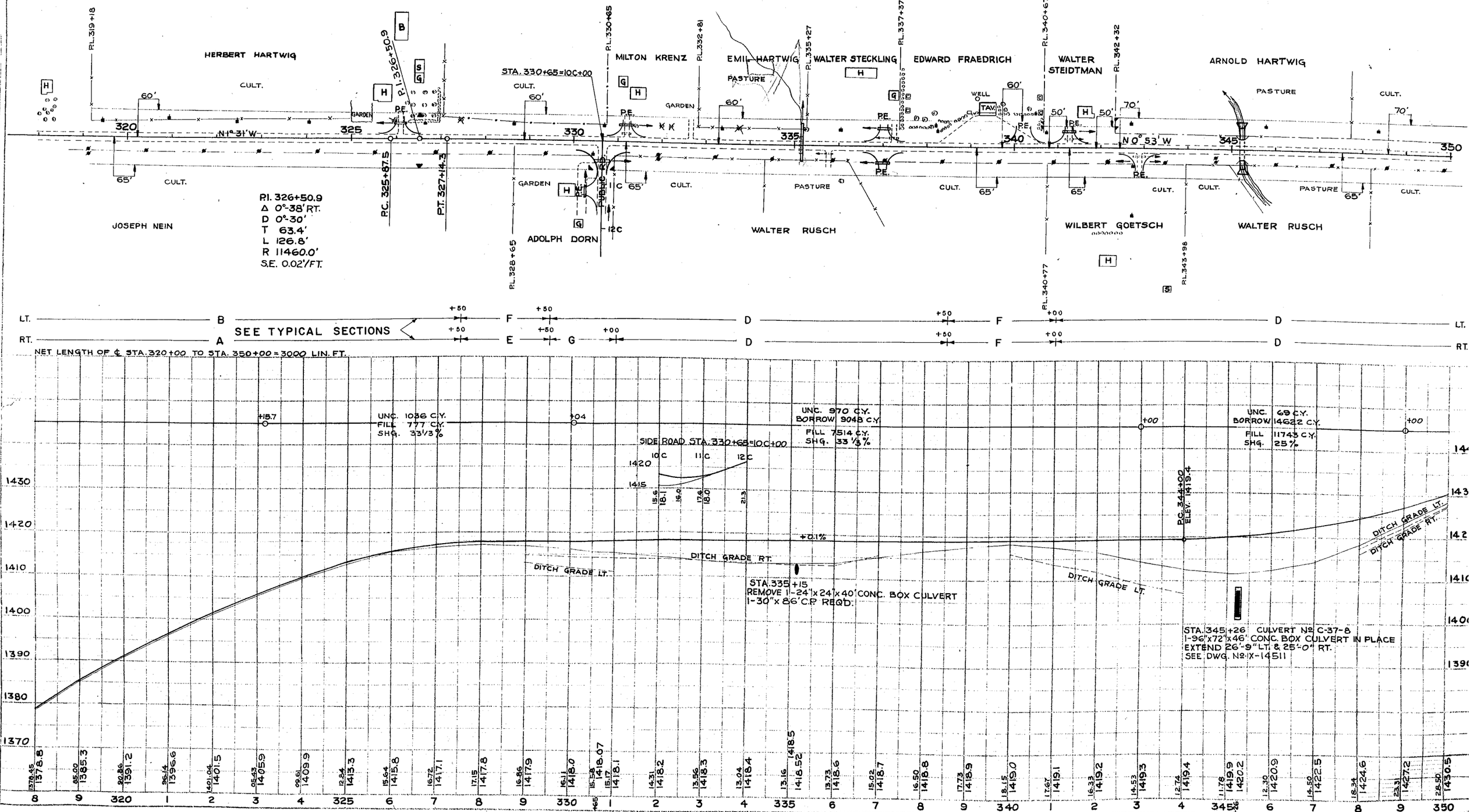


	PROJECT	SHEET NO.	TOTAL SHEETS
IN	F05-3(21)	9	10

BENCH MARKS

NO.	STATION	DESCRIPTION	EL.
42	327+48	SPIKE IN 6" BASSWOOD 42' LT.	1417.58
43	336+07	SPIKE IN 36" ELM 77' RT.	1418.18
44	345+23	X ON S.E. COR. OF CULV. 27' RT.	1409.91
45	357+15	SPIKE IN 18" ASH 96' LT.	1448.99





LT. — B — +50 — F — +50 — D — +50 — F — +00 — D — LT.

RT. — A — +50 — E — +50 — G — +00 — D — +50 — F — +00 — D — RT.

SEE TYPICAL SECTIONS

NET LENGTH OF ℄ STA. 320+00 TO STA. 350+00 = 3000 LIN. FT.

PLATE I—PLAN PROFILE — U.P.R.R.A.E. STANDARD
THE BLUEPRINT HOUSE CO., OMAHA

12-34 S.A.T. S.A.C.
4-54 11-54 1-55
4558

PLAN	SURVEYED	DRG.
NOTE BOOK No. 4598	DATE	DATE
	CHIEF	V.C.E.
	ALIGNMENT CHECKED	2-54
	PT. OF MIT CHECKED	11-54
		1-55
		S.A.C.

BENCH MARKS

NO.	STATION	DESCRIPTION		EL.
45	357+15	SPIKE IN 18" ASH	96' LT.	1448.99
46	367+43	SPIKE IN 12" APPLE	111' RT.	1485.83
47	378+01	SPIKE IN 24" ELM	130' RT.	1485.13
48	383+96	SPIKE IN 16" ELM	117' LT.	1500.27

BUR. PUBLIC ROADS	PROJECT	SHEET NUMBER
IN	F05-3(21)	10

PI. 353'
230
354.4'
℄

PI. 370+51.7
Δ 1°-10' RT.
D 0°-30'
T 116.6'
L 233.3'
R 11460.0'
S.E. 0.02'/FT.

ARNOLD HARTWIG

CULT.

PASTURE

SPRING

70'

65'

350

355

N 0°-53' W

360

365

370

N 0°-17' E

375

357+19 P.I.

P.E.

PUBLIC RD.

WALTER RUSCH

HARRY STURM

SEPTIC TANK

WELL

SPRING

GARDEN

PASTURE

CULT.

PI. 370+51.7

PC. 369+35.1

PT. 371+68.4

VICTOR STURM

PASTURE

LT. ——— D +50 ——— F

RT. ——— D +50 ——— F

SEE TYPICAL SECTIONS

+25 B +50 F +50 D

+25 B +50 F +50 D

NET LENGTH OF ℄ STA. 350+00 TO STA. 380+00 = 3000 LIN. FT.

UNC. 1998 C.Y.
FILL 1801 C.Y.
SHR. 33⅓%

+00

+0.05%

PC. 376+75
ELEV. 1487.81

STA. 376+37 CULVERT No. C-37-9
1-72"X48"X36' CONC. BOX CULVERT IN PLACE
EXTEND 16' LT. & 15'-6" RT.
SEE DWG. X-14510

DITCH GRADE LT.

UNC. 774 C.Y.
FILL 583 C.Y.
SHR. 33⅓%

+80

UNC. 819 C.Y.
FILL 615 C.Y.
SHR. 33⅓%

+18

UNC. 101 C.Y.
BORROW 4902 C.Y.
FILL 3732 C.Y.
SHR. 33⅓%

1480
1470
1460
1450
1440
1430
1420
1410

| | | |

U.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
SN	F05-3(21)	11	101

BENCH MARKS

NO.	STATION	DESCRIPTION	EL.
48	383+96	SPIKE IN 16" ELM 117' LT.	1500.27
49	392+77	SPIKE IN 22" PINE 68' RT.	1513.45
50	400+00	SPIKE IN 17" ELM 265' LT.	1489.92
51	407+47	SPIKE IN 14" ELM 166' LT.	1504.87

N

P.O.T. P.K. SPIKE STA. 394+14.2

34.4' 340.0' F. POST

HARRY STURM

LUCILLE M. SCHULTZ

385+53 P.L.

WALTER MAAHS

LOUIS TOTH

PASTURE

PUB. RD.

S G

TAV.

H

65'

50'

P.E.

380

385

390

395

400

405

410

N0° 17' E

CULT.

PASTURE

CULT.

407+49 P.L.

S

WELL 0

SPRING

OLD CHEESE FACTORY

GAS PUMPS

P.E.

WELL

45'

PUB. RD.

381+05 P.L.

396+69 P.L.

PASTURE

VICTOR STURM

CARL D. JANISCH

PASTURE

HERBERT GOETSCH

CULT

MARTIN SCHULTZ

LT. D +50 F +50 B +50 F LT.

RT. D +50 F +50 B +50 F RT.

SEE TYPICAL SECTIONS

NET LENGTH OF ℄ STA. 380+00 TO STA. 410+00 = 3000 LIN. FT.

+00

UNC. 1280 C.Y.
BORROW 520 C.Y.
FILL 1350 C.Y.
SHG. 33⅓%

+69

UNC. 713 C.Y.
FILL 536 C.Y.
SHG. 33⅓%

+83

UNC. 662 C.Y.
FILL 496 C.Y.
SHG. 33⅓%

+14

+2.88%

DITCH GRADE RT.

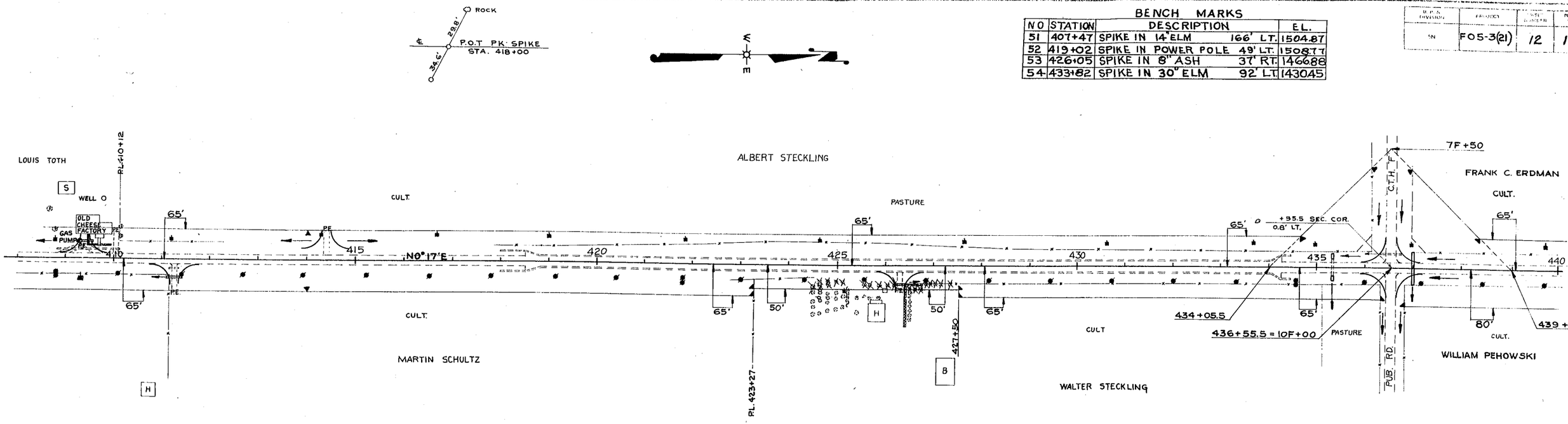
STA. 401+08
1-48"x30"x42' CONC. BOX CULV. IN PLACE
EXTEND 14' LT. & 12' RT. WITH
50"x31" C.M.P.A. EXTENSIONS REQ'D.

| | | |

B.P.R. DIVISION	PROJECT	SHT. NUMBER	TOTAL SHTS.
SN	FOS-3(21)	12	101

BENCH MARKS

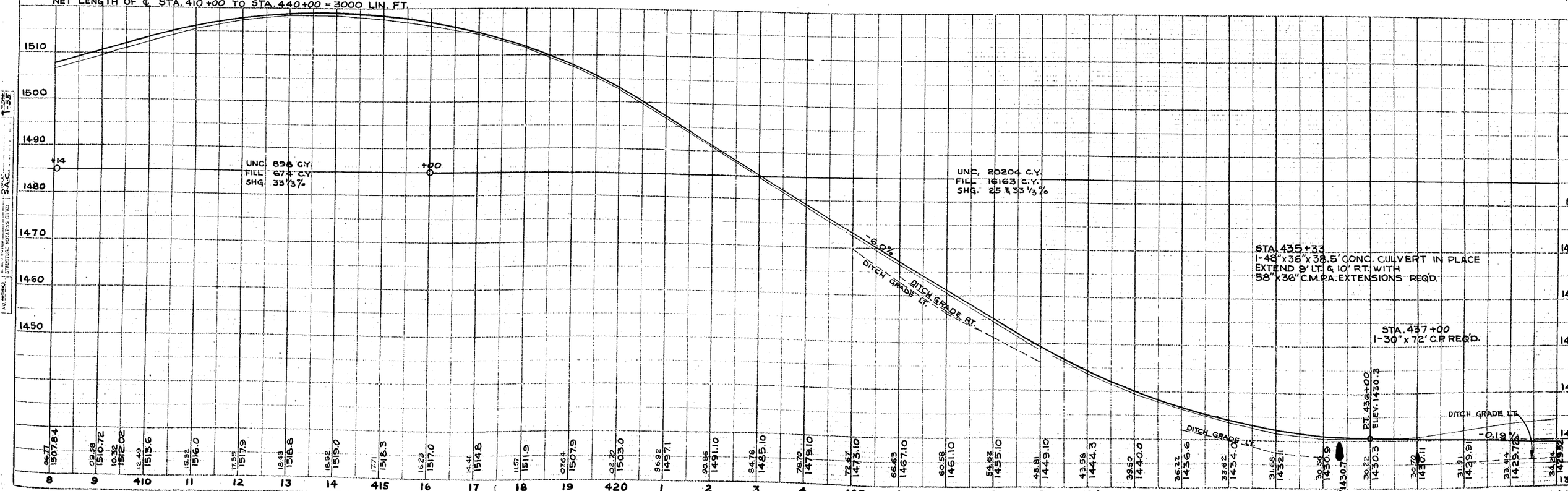
NO	STATION	DESCRIPTION	EL.
51	407+47	SPIKE IN 14" ELM 166' LT.	1504.87
52	419+02	SPIKE IN POWER POLE 49' LT.	1508.77
53	426+05	SPIKE IN 8" ASH 37' RT.	146688
54	433+82	SPIKE IN 30" ELM 92' LT.	143045



LT. — F +00 — E +50 — A +50 — E +50 — A +50 — B +50 — D — LT.

RT. — F +50 — B +50 — F +50 — SEE TYPICAL SECTIONS — B +50 — D — RT.

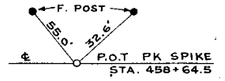
NET LENGTH OF ℄ STA. 410+00 TO STA. 440+00 = 3000 LIN. FT.

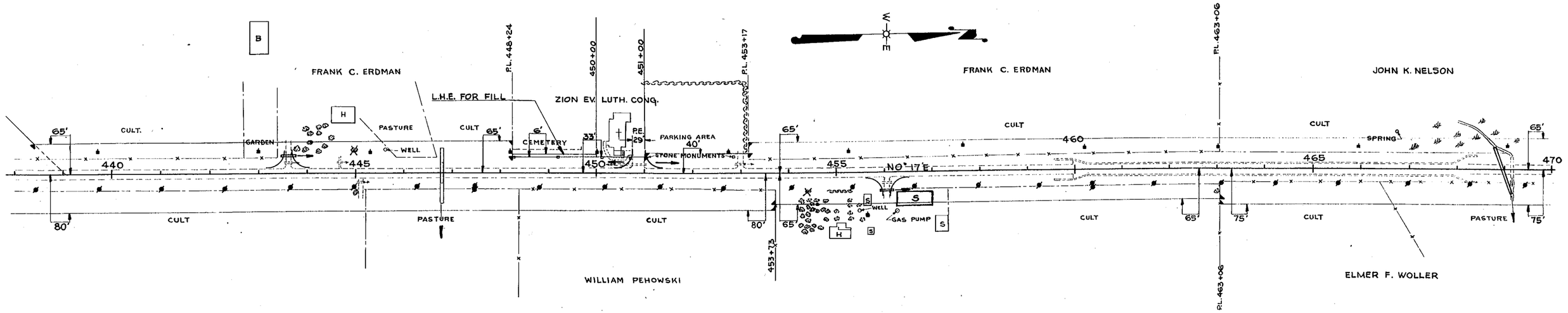


	PROJECT	SHEET NUMBER	TOTAL SHEETS
STATE	FO 5-3(21)	13	101

BENCH MARKS

NO.	STATION	DESCRIPTION		EL.
54	433+82	SPIKE IN 30" ELM	92' LT.	1430.45
55	444+98	SPIKE IN 10" APPLE	46' LT.	1421.28
56	454+41	SPIKE IN 9" APPLE	56' RT.	1424.99
57	463+00	SPIKE IN TWIN 6" ELM	114' RT.	1408.24





LT. — SEE TYPICAL SECTIONS — D — LT.

RT. — D — RT

NET LENGTH OF ℄ STA. 440+00 TO STA. 470+00 = 3000 LIN. FT.

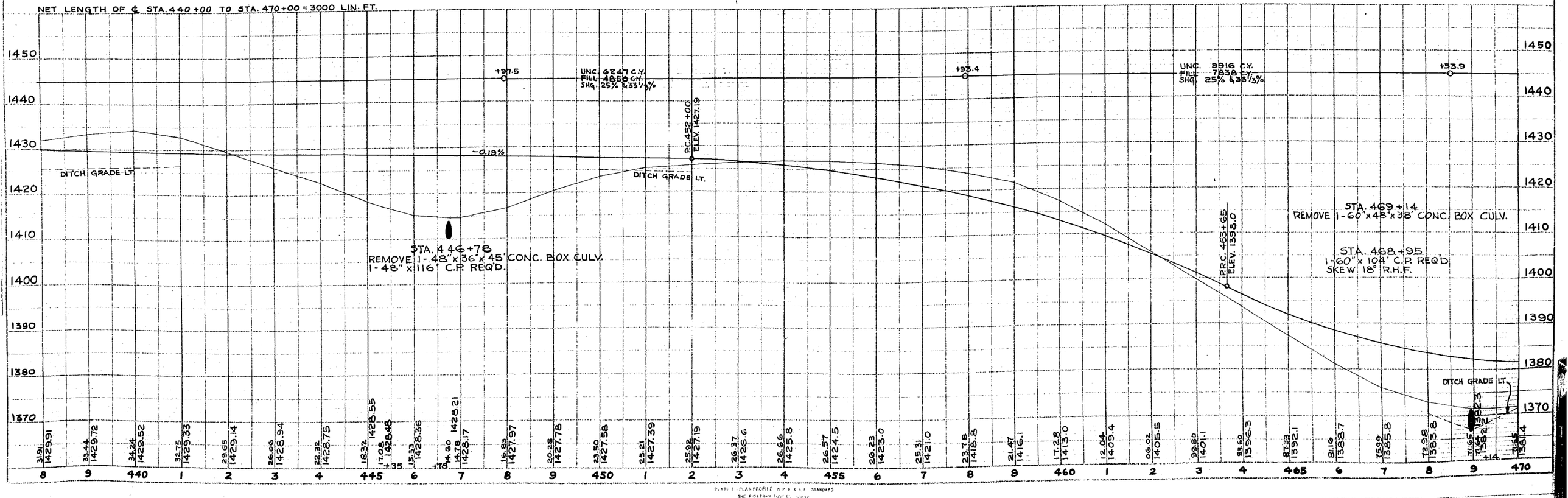
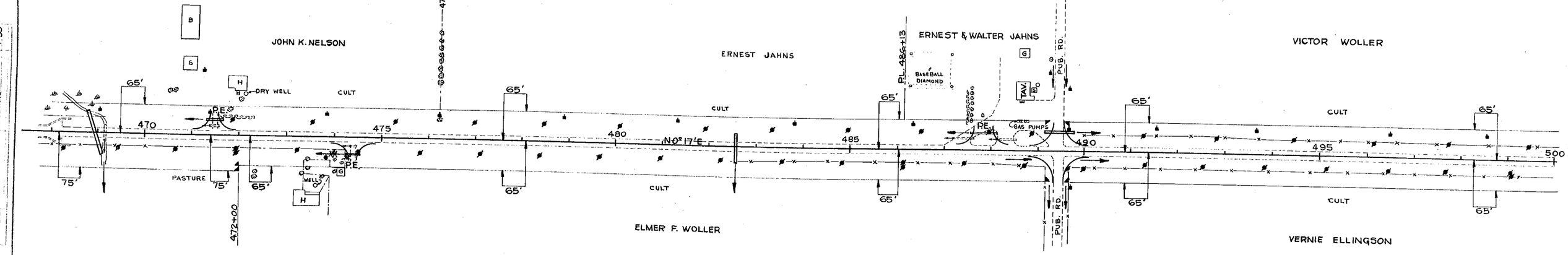


PLATE 1 - PLAN-PROFILE O.P.R.C.P.E. STANDARD
THE FLEMING PUBLISHING CO., IOWA

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
IN	F05-3(21)	14	101

BENCH MARKS

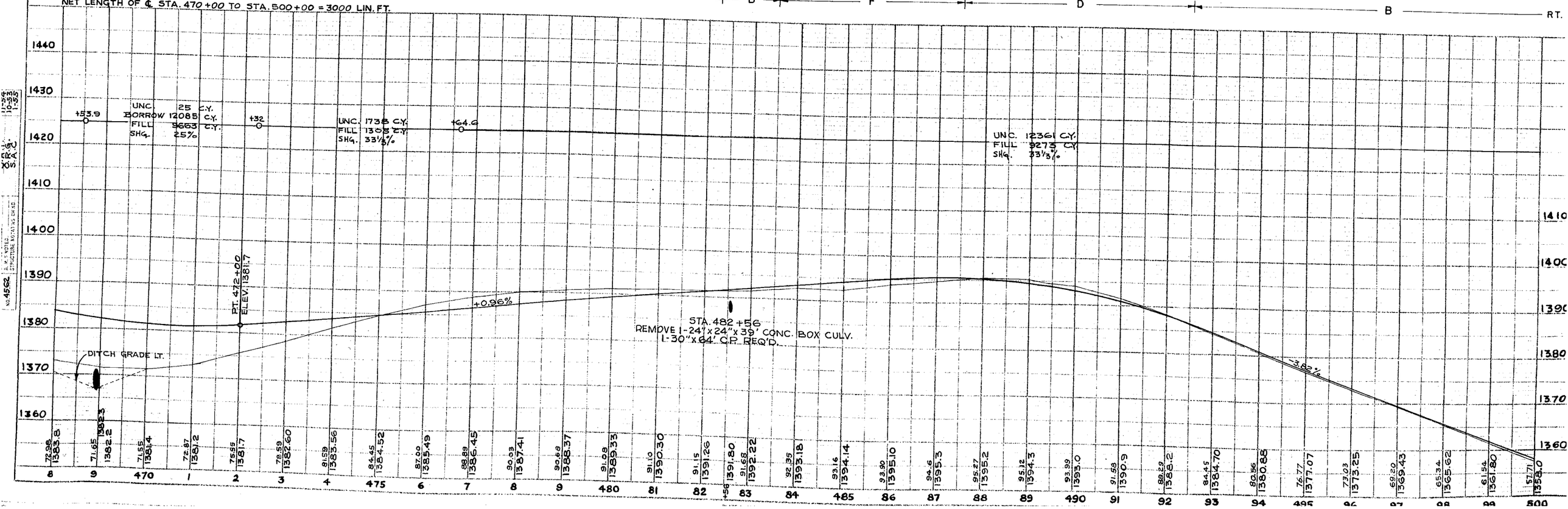
NO.	STATION	DESCRIPTION		EL.
57	463+00	SPIKE IN TWIN 6" ELM	14' RT.	1408.24
58	470+51	SPIKE IN TWIN 16" BE	93' LT.	1375.92
59	476+26	SPIKE IN 16" ELM	141' LT.	1395.56
60	482+56	X ON CULVERT	19' LT.	1391.47
61	489+32	SPIKE IN 9" ELM	168' RT.	1390.10
62	497+74	SPIKE IN TEL. POLE	27' RT.	1367.68



LT. D — SEE TYPICAL SECTIONS — B (+25) B (+50) F (+50) D (+50) B (+50) LT.

RT. D — SEE TYPICAL SECTIONS — B (+25) B (+50) F (+50) D (+50) B (+50) RT.

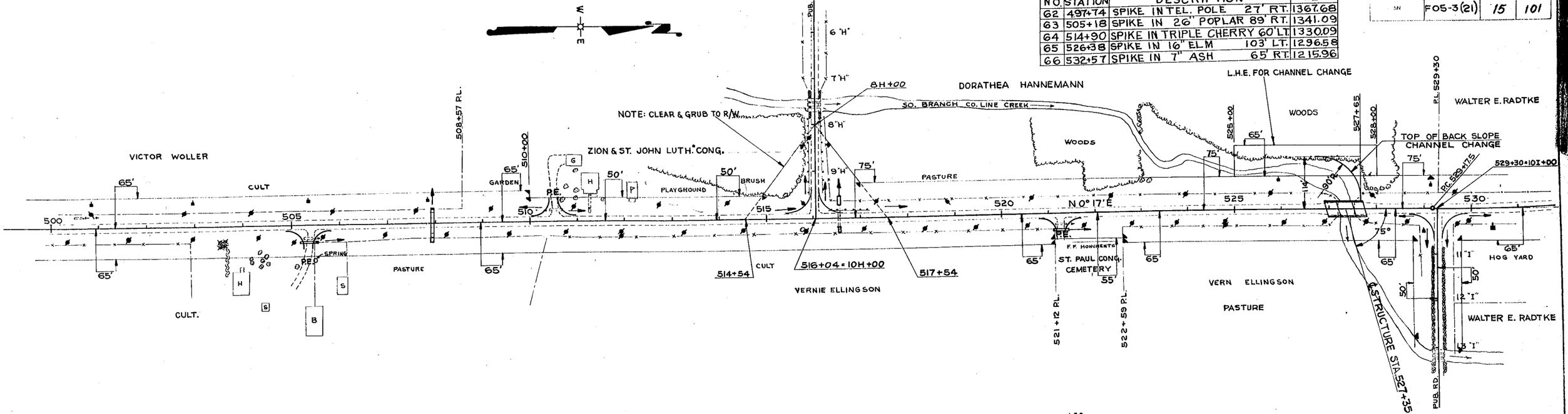
NET LENGTH OF ℄ STA. 470+00 TO STA. 500+00 = 3000 LIN. FT.



DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
SN	F05-3(21)	15	101

BENCH MARKS

NO.	STATION	DESCRIPTION	EL.
62	497+74	SPIKE IN TEL. POLE 27' RT.	1367.68
63	505+18	SPIKE IN 26" POPLAR 89' RT.	1341.09
64	514+90	SPIKE IN TRIPLE CHERRY 60' LT.	1330.09
65	526+38	SPIKE IN 16" ELM 103' LT.	1296.58
66	532+57	SPIKE IN 7" ASH 65' RT.	1215.96



LT. — B +50 F +50 — SEE TYPICAL SECTIONS — D +80 — B +50 F +50 — D — LT.

RT. — B +50 F +50 — SEE TYPICAL SECTIONS — D +80 — B +50 F +50 — D — RT.

NET LENGTH OF ℄ STA. 500+00 TO STA. 531+00 = 3100 LIN. FT.

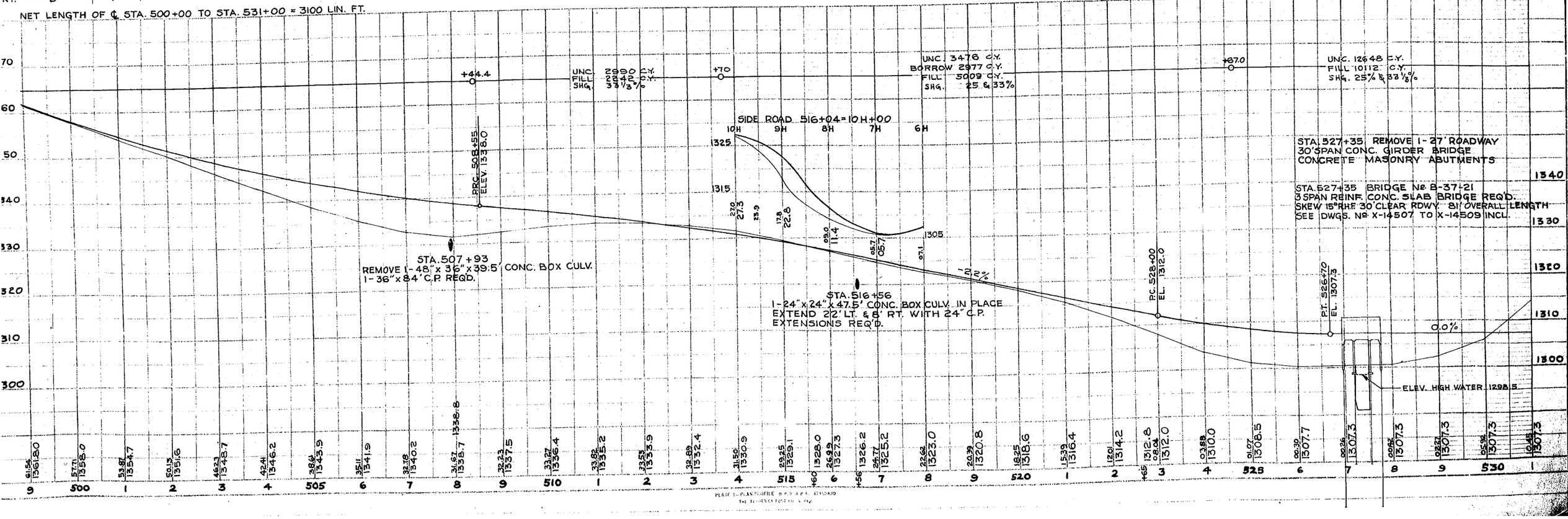


PLATE 1-PLAN PROFILE STD. APPL. STANDARD

R. P. R. DIVISION	PROJECT	SHEET NUMBER	SHEETS
SN	F05-3(21)	16	101

BENCH MARKS

NO.	STATION	DESCRIPTION		EL.
66	532+57	SPIKE IN 7" ASH	65' RT.	1215.96
67	543+38	SPIKE IN 18" ELM	88' RT.	1300.36
68	557+65	SPIKE IN 12" APPLE	50' LT.	1379.70
69	564+04	SPIKE IN 14" ELM	32' RT.	1399.17
70	571+33	SPIKE IN 14" ELM	117' RT.	1424.08

P.I. CROSS ON PAV'T. STA. 532+40.3 — 62.3', 22.0'

P.C. 547.48.3 — 58.4', 56.8'

P.I. CROSS ON PAV'T. STA. 549+14.3 — 43.1', 39.2', F. POST, 46.9, 46.1', 51.1', F. POST

P.T. 550+79.9

N S E W

P.I. 532+40.3
Δ 6° 27' LT.
D 1° 00'
T 322.8'
L 645.0'
R 5730'
S.E. .02'/FT.

P.C. 529+17.5
P.I. 529+30

WALTER E. RADTKE

CULT

75'

P.E.

P.T. 535+62.5

N 6° 10' W

PASTURE

CO. LINE CR.

SCATTERED TREES & STUMPS

75'

MARATHON COUNTY
LINCOLN COUNTY

STONE PILE

COR. STONE

P.I. 549+14.3

U.S.H. 51 TO MERRILL

EDWARD SENSE

B

G

H

CULT

530 535 540 545 550 555 560

N 0° 17' W

65' GARDEN

HOG YARD

S

12'

50'

13"I"+00

P.I. 532+40.3

535+62.5

WALTER E. RADTKE

D — LT.

SEE TYPICAL SECTIONS

D — RT.

℄ STRUCTURE STA. 539+93

STA. 544+91 END OF PROJECT F05-3(21)

544+91

COR. STONE

P.C. 547+48.3

P.T. 550+79.9

P.I. 549+14.3
Δ 6° 38' RT.
D 2° 00'
T 166'
L 331.6'
R 2865'
S.E. 0.04'/FT.

NET LENGTH OF ℄ STA. 531+00 TO STA. 544+91 = 1391 LIN. FT.

UNC. 15951 C.Y.
FILL 12710 C.Y.
SHR 25% & 33⅓%

+26.7

SIDE ROAD 529+30 = 10 I +00.0

10I 11I 12I 13I 14I

305
300

0.0%

DITCH GRADE RT.

DITCH GRADE LT.

+91

STA. 539+93 REMOVE I-27 RDWY.
50' SPAN CONC. GIRDER BRIDGE
CONCRETE MASONRY ABUTMENTS

STA. 539+93 BRIDGE No. B-37-22
3 SPAN REINF. CONC. SLAB BRIDGE REQ'D.
30' CLEAR RDWY. 81'-6" OVERALL LENGTH
SEE DWGS. No. X-14494 TO X-14496 INCL.

P.C. 540+40
EL. 1307.3

HIGH WATER EL. 1296.0

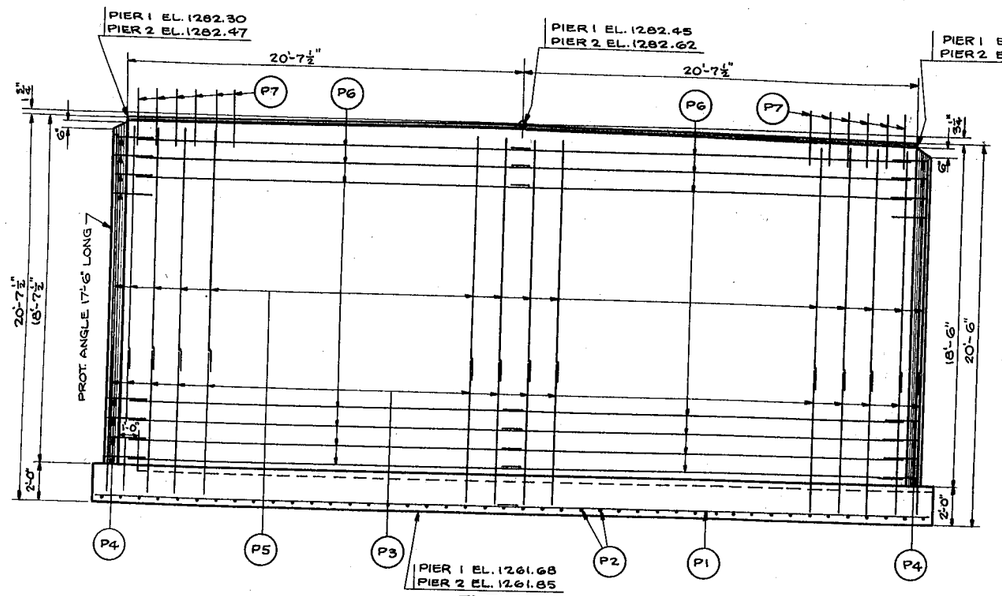
P.T. - 546+40
EL. 1322.6

5.05%

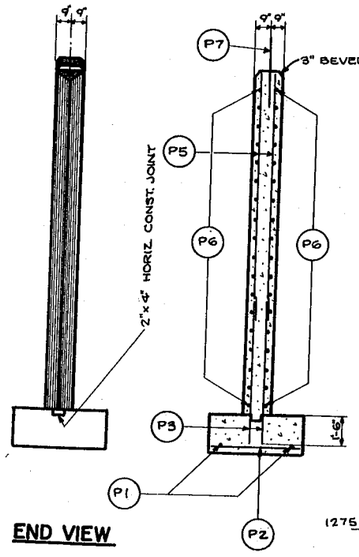
1380 1370 1360 1350 1340 1330 1320 1310 1300

PLATE 1 - PLAN-PROFILE U.P.R. & R.E. STANDARD

COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT STATE	CLASS & AGREEMENT FEDERAL	B.P.R. DIVISION	PROJECT	SHEET NO.
37.1	5.3		11.21	WIS. 4	F05-3(21)	25

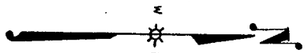


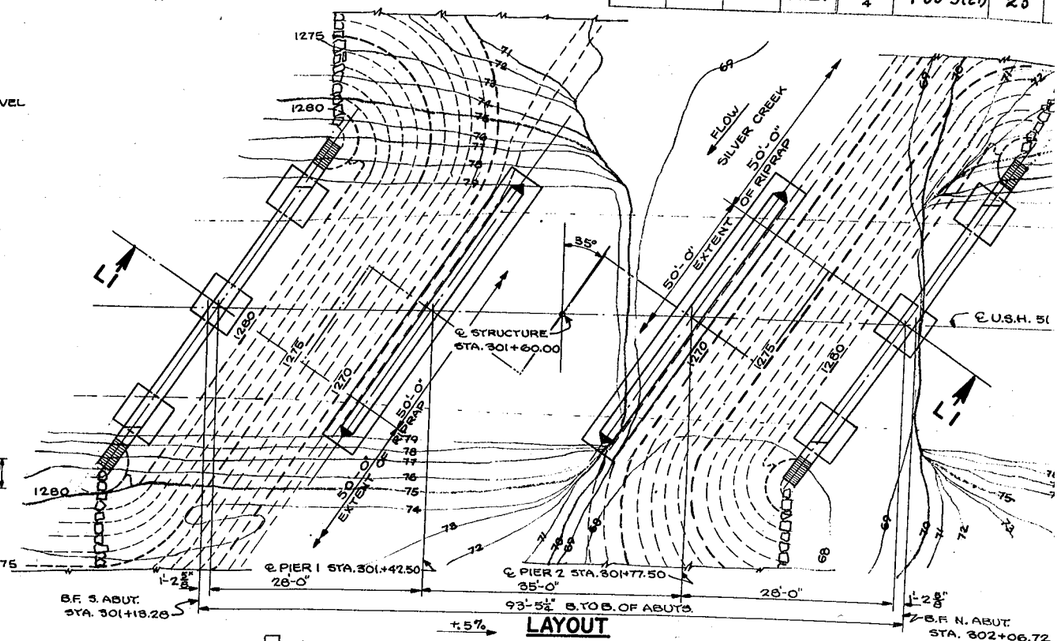
ELEVATION
LOOKING NORTH



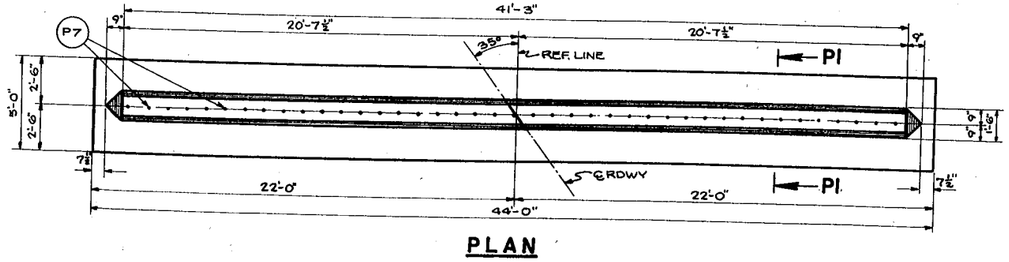
END VIEW

SECTION PI

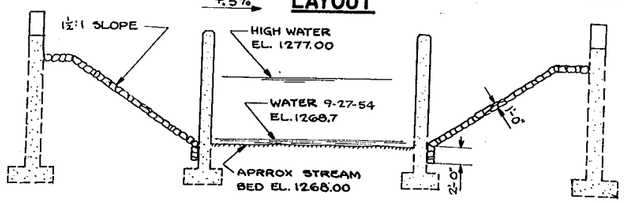




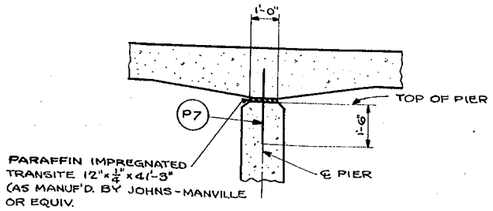
LAYOUT



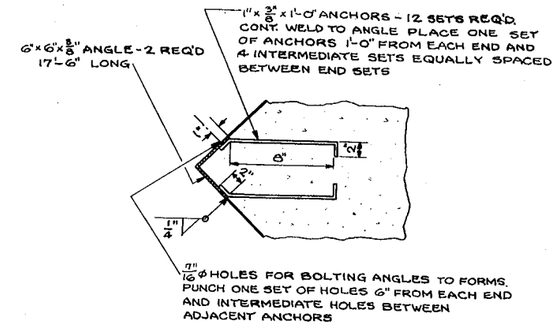
PLAN



SECTION LI



DETAILS AT PIERS



PROTECTION ANGLE DETAILS

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
ALL CONCRETE MASONRY SHALL BE GRADE "AA".
BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SPECIFIED.
BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
ALL EXCAVATED VOLUME NOT OCCUPIED BY THE ABUTMENTS SHALL BE BACKFILLED WITH SAND-GRAVEL FILL TO THE ORIGINAL GROUND LINE. PAYMENT WILL BE MADE ONLY FOR MATERIAL ACTUALLY PLACED WITHIN LIMITS SPECIFIED FOR "EXCAVATION FOR STRUCTURES."
THE TOP AND SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE RIPRAPPED AS SHOWN IN DRAWING X14480 AND IN LAYOUT ABOVE.
END SPANS SHALL BE FORMED TO A CAMBER OF ¾" AND MIDDLE SPAN TO A CAMBER OF 1".
SUBSTRUCTURE UNITS SHALL BE KEYED A MINIMUM OF 1'-0" INTO ROCK.

ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPER-STRUCTURE	ABUTMENTS	PIERS	TOTAL
REMOVING OLD BRIDGE	LUMP SUM	——	——	——	1
EXCAVATION FOR STRUCTURES	C.Y.	——	260	370	630
SAND-GRAVEL FILL	C.Y.	——	230	——	230
CONCRETE MASONRY	C.Y.	159.1	69.1	119.4	347.6
BAR STEEL REINFORCEMENT	LB.	28,480	5,470	4,770	38,720
STRUCTURAL CARBON STEEL	LB.	4,920	——	550	5,470
RIPRAP	C.Y.	——	210	——	210
NON-BID ITEMS					
EXP. JOINT FILLER	SIZE	1"	——	——	1"
TRANSITE OR EQUIV.	S.F.	——	——	82.5	82.5

* THE DESIGN OF THIS STRUCTURE IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES A.A.S.H.O. EDITION OF 1953.

LIST OF DRAWINGS

1. LAYOUT & PIERS ——— X14478
2. SUPERSTRUCTURE ——— X14479
3. ABUTMENTS & BILL OF BARS ——— X14480

REVISED

STATE HIGHWAY COMMISSION OF WISCONSIN

LAYOUT & PIERS

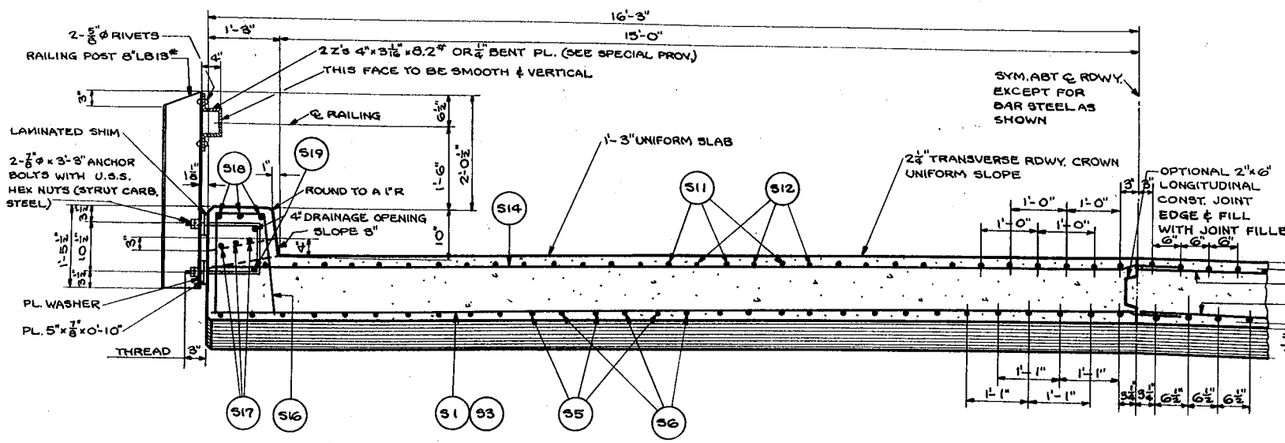
CO. MARATHON | CITY VIL. TN. MAINE | STA. 301+60.00
SECTION 28 & 29 | TOWN 30N | RANGE 7E
DATE 12-13-54 | DRAWN WM | CKD. DEF | SPEC. 1951 (*) | LOAD H20

CORRECT: G. H. Kist, BRIDGE ENGINEER
APPROVED: E. L. Ruettiger, STATE HIGHWAY ENGINEER

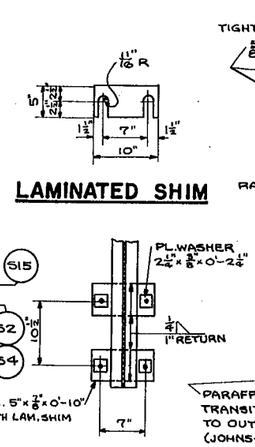
STRUCTURE B-37-20 | SHEET 1 OF 3

X14478

W.D.H. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	F05-3(21)	26	101

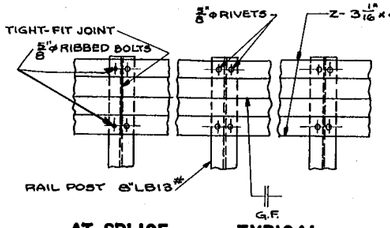


HALF CROSS-SECTION AT RT. L TO ℄ RDWY.

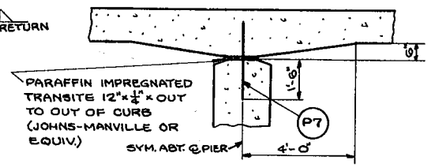


LAMINATED SHIM

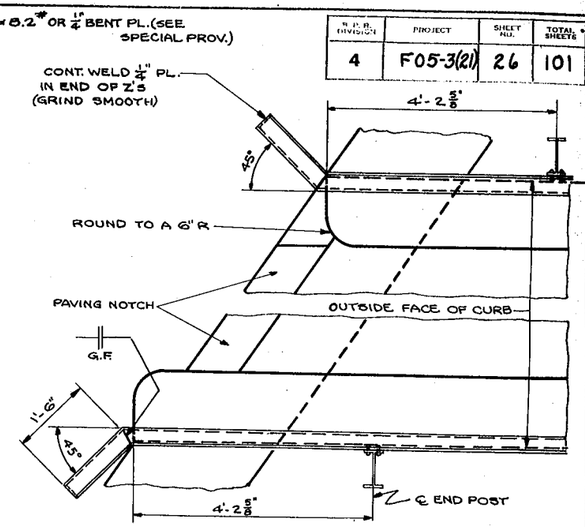
POST DETAIL



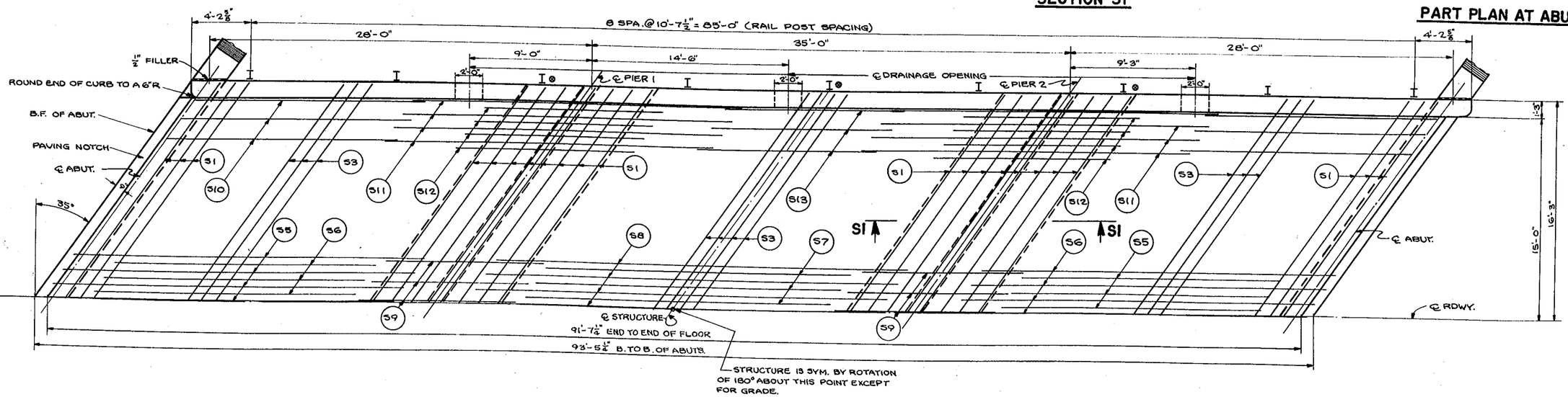
AT SPLICE TYPICAL RAILING DETAILS



SECTION S1

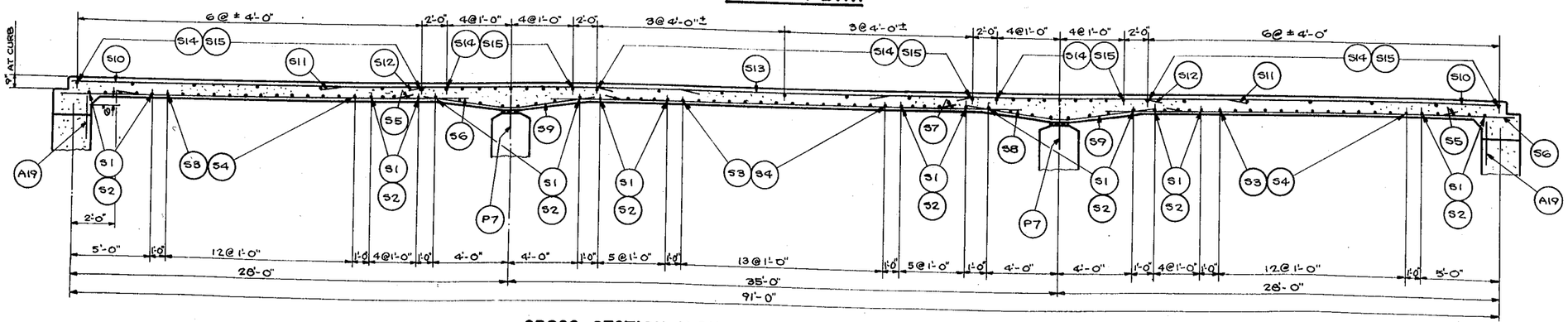


PART PLAN AT ABUTS.



⊗ DENOTES PERMISSIBLE RAILING SPLICE.

HALF PLAN



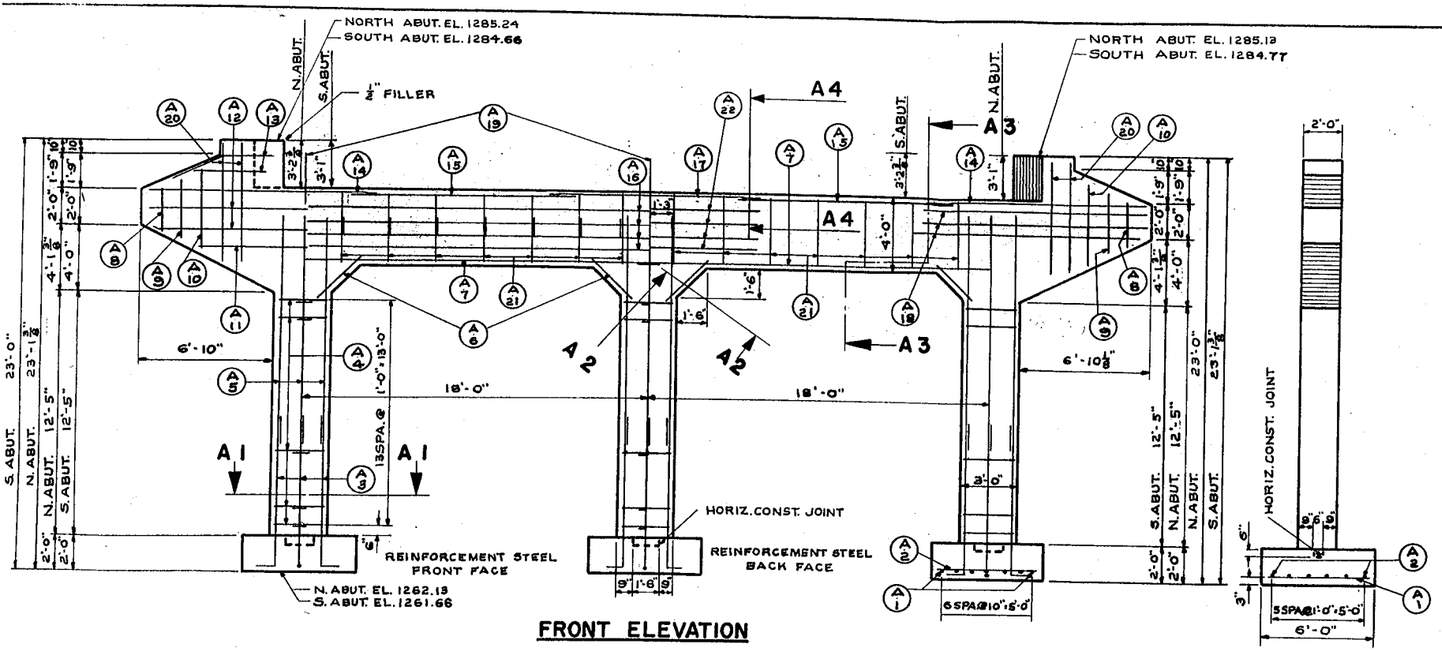
CROSS-SECTION ALONG ℄ RDWY.

STATE HIGHWAY COMMISSION OF WISCONSIN

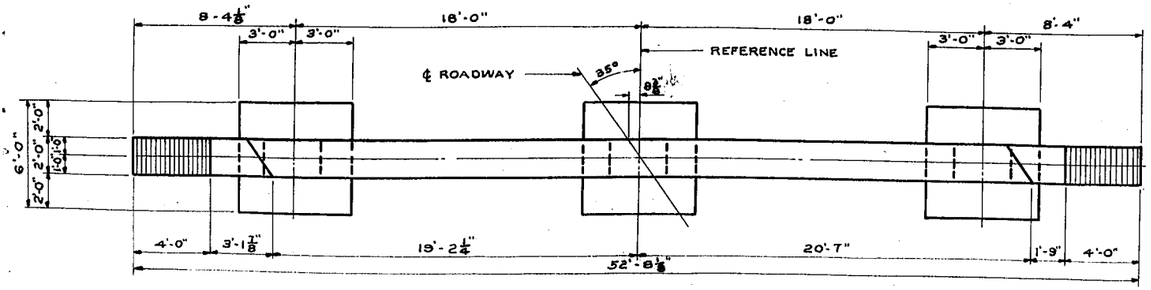
SUPERSTRUCTURE

DATE 12-13-54 | DRAWN WM | CK. DES. | 1951 | LOAD H20

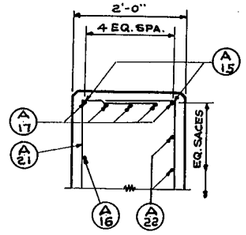
S.P.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	F05-3(21)	27	101



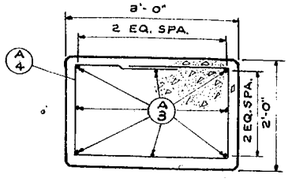
FRONT ELEVATION



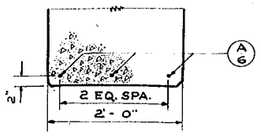
PLAN



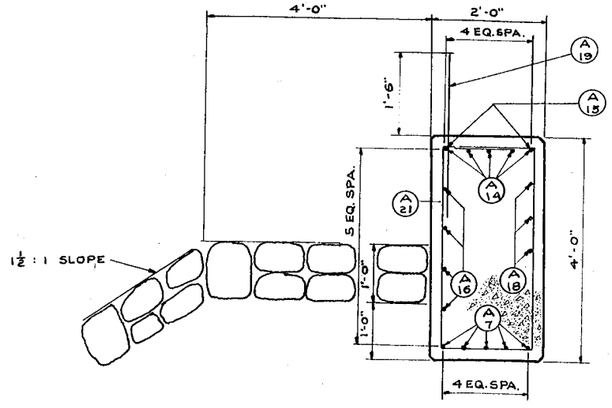
SECTION A4



SECTION A1



SECTION A2



SECTION A3

BILL OF BARS

DIMENSIONS IN BENDING DETAIL ARE OUT TO OUT.

ABUTMENTS 5,470

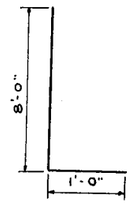
POUR	MARK	NO.	SIZE NO.	LENGTH	SPACING	LOCATION	DET.
FOOTING	A 1	42	4	5-6	10	FOOTING	
	A 2	36	4	5-6	1-0	"	
	A 3	48	7	9-0	SHOWN	" & COLUMNS	A
COLUMNS & GIRDER	A 4	84	4	9-9	1-0	HOOPS	C
	A 5	48	7	13-6	SHOWN	COLUMNS	
	A 6	24	5	4-0	SHOWN	HAUNCH	
	A 7	20	6	18-0	SHOWN	GIRDER	
	A 8	4	4	7-3	1-0	WINGS	B
	A 9	4	4	8-6	1-0	"	B
	A10	4	4	11-3	1-0	"	B
	A11	4	4	4-0	1-0	" F.F.	
	A12	8	4	8-0	1-0	" "	
	A13	8	4	5-0	1-0	" "	
	A14	20	8	11-6	SHOWN	" & GIRDER	
	A15	8	4	11-6	SHOWN	GIRDER	
	A16	16	6	18-0	SHOWN	" F.F.	
	A17	10	7	11-0	SHOWN	"	
	A18	6	5	12-0	SHOWN	" B.F.	
	A19	80	5	3-0	1-0	DOWELS	
	A20	8	4	15-0	1-0	WINGS	B
	A21	28	4	11-9	2-6	STIRRUPS	C
	A22	8	4	10'-0"	SHOWN	GIRDER B.F.	

PIERS 4,770

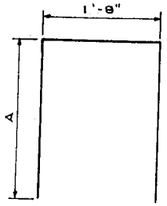
POUR	MARK	NO.	SIZE NO.	LENGTH	SPACING	LOCATION	DET.
FOOTING	P 1	8	4	22-3	SHOWN	FOOTING	
	P 2	88	4	4-6	1-0	"	
	P 3	116	5	7-6	1-6	" & BODY	
BODY	P 4	72	4	4-0	1-0	BODY NOSE	E
	P 5	116	4	18-0	1-6	"	
	P 6	144	4	21-0	1-0	"	
	P 7	82	5	3-0	1-0	" TOP	

SUPERSTRUCTURE 28,480

POUR	MARK	NO.	SIZE NO.	LENGTH	SPACING	LOCATION	DET.
ONE POUR	S 1	48	4	20-9	SHOWN	FLOOR BOTTOM TRANS.	
	S 2	48	4	19-6	SHOWN	" " "	
	S 3	40	5	20-9	1-0	" " "	
	S 4	40	5	19-6	1-0	" " "	
	S 5	60	9	19-6	1-1	" " LONG.	
	S 6	60	9	26-0	1-1	" " "	
	S 7	30	9	21-6	1-1	" " " SYM. ABT. ℄ OF STRUCTURE	
	S 8	30	9	30-0	1-1	" " "	
	S 9	44	4	11-0	1-6	" " HAUNCH OVER PIER	F
	S10	42	4	17-0	1-6	" TOP LONG.	
	S11	62	8	24-0	1-0	" " " SYM ℄ PIER	
	S12	62	8	13-0	1-0	" " " " " "	
	S13	21	4	13-0	1-6	" " "	
	S14	39	4	20-9	SHOWN	" " TRANS.	
	S15	39	4	19-6	SHOWN	" " "	
	S16	124	4	4-3	1-6	CURB TRANS.	G
	S17	18	4	4-0	SHOWN	" SYM. ABT. ℄ DRAIN OPENING	
	S18	24	9	26-0	SHOWN	" LONG	
	S19	36	7	4-0	SHOWN	" SYM. ABOUT ℄ POST	

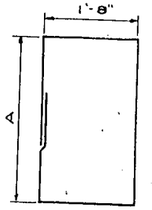


DETAIL A



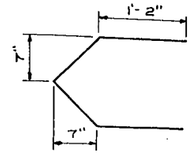
MARK	A
A 8	2-9½
A 9	3-5
A 10	4-9½
A 20	6-8

DETAIL B

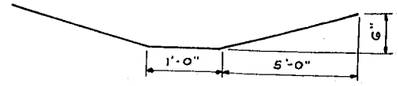


MARK	A
A 4	2-8
A 21	3-8

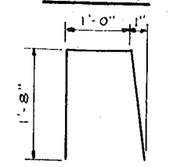
DETAIL C



DETAIL E



DETAIL F



DETAIL G

STATE HIGHWAY COMMISSION OF WISCONSIN

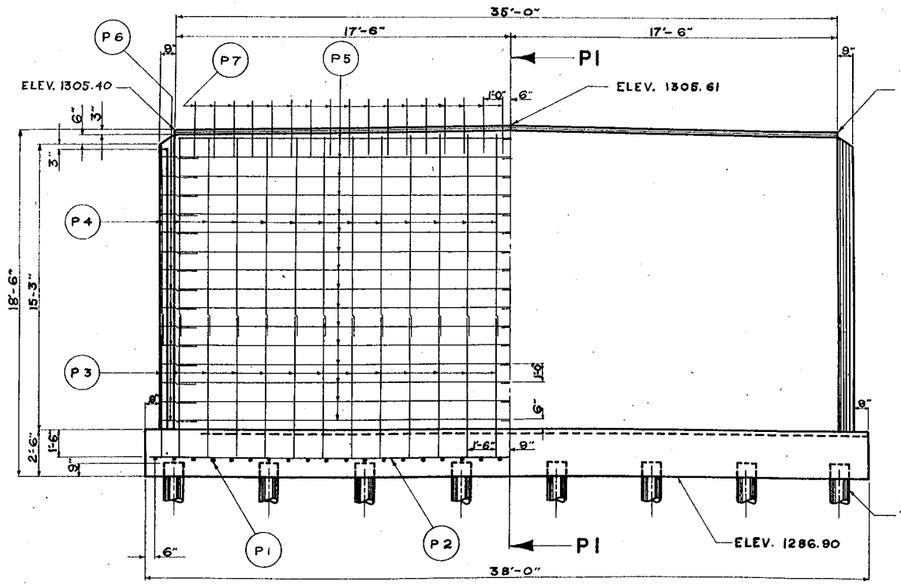
ABUTMENTS & BILL OF BARS

DATE 12-13-54 DRAWN E.D. CKD. DEF SPEC. 1951 LOAD H20

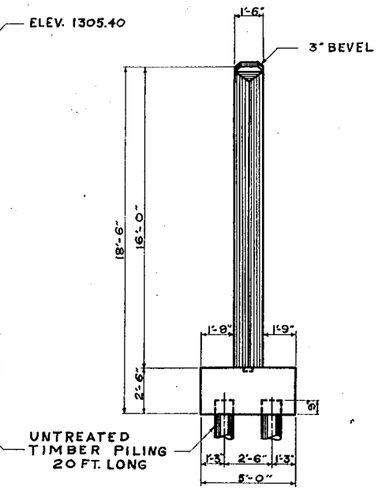
STRUCTURE B-37-20 SHEET 3 OF 3

X 14480

COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT STATE	CLASS & AGREEMENT FEDERAL	B.P.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
37.1	5.3		11.21	WIS. 4	F05-3(21)	28	101



ELEVATION



END VIEW

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL CONCRETE MASONRY SHALL BE GRADE "AA".

BEVEL ALL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SPECIFIED.

ALL BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PLACE S4 BARS SYMMETRICALLY ABOUT ℄ OF DRAIN.

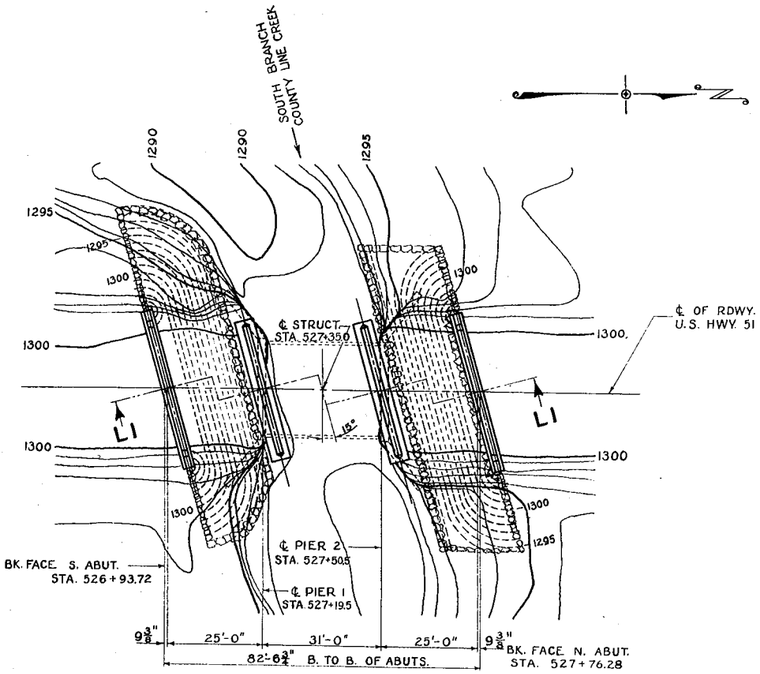
THE TOP AND SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE RIPRAPPED AS SHOWN IN SECTION "A1" AND TO THE EXTENT SHOWN IN THE LAYOUT ON THIS DRAWING.

PILES FOR PIERS SHALL BE UNTREATED TIMBER PILING 20'-0" LONG AND DRIVEN TO A MINIMUM BEARING VALUE OF 18 TONS.

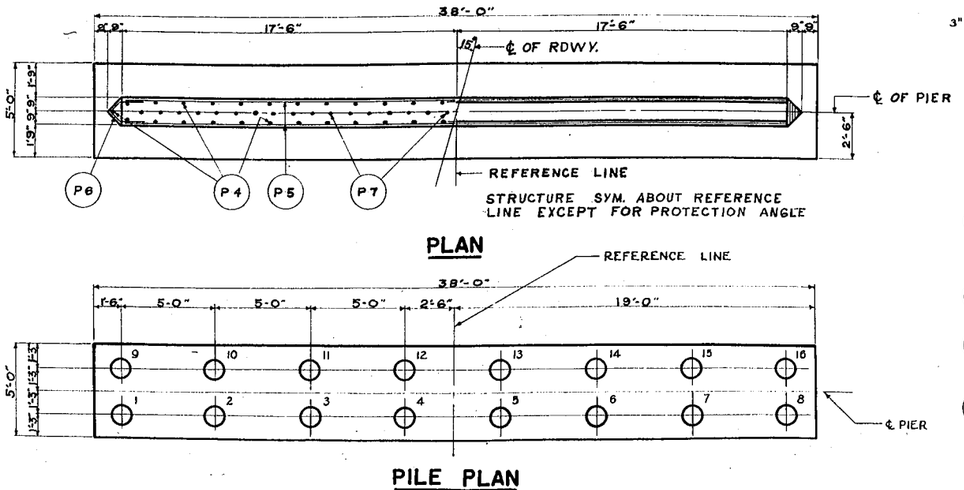
PILES FOR ABUTMENTS SHALL BE TREATED TIMBER PILING 30'-0" LONG AND DRIVEN TO A MINIMUM BEARING VALUE OF 15 TONS.

EXCAVATED VOLUME NOT OCCUPIED BY THE NEW ABUTMENTS SHALL BE BACKFILLED WITH SAND-GRAVEL FILL TO THE ORIGINAL GROUND LINE. PAYMENT WILL BE MADE ONLY FOR MATERIAL ACTUALLY PLACED WITHIN THE LIMITS SPECIFIED FOR "EXCAVATION FOR STRUCTURES".

SPANS 1 & 3 SHALL BE FORMED TO A CAMBER OF ¾" AND SPAN 2 SHALL BE FORMED TO A CAMBER OF 1".

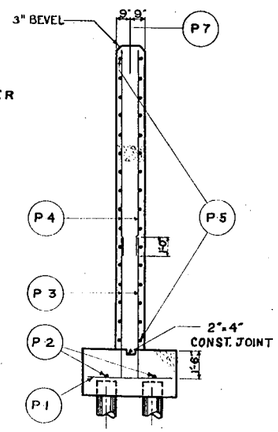


LAYOUT

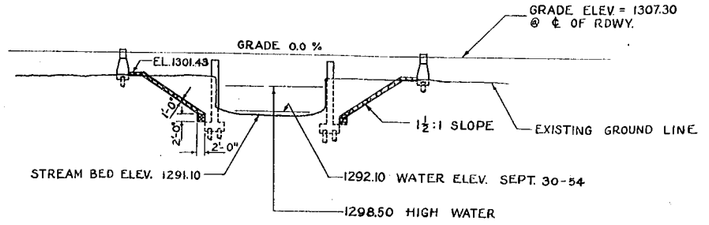


PLAN

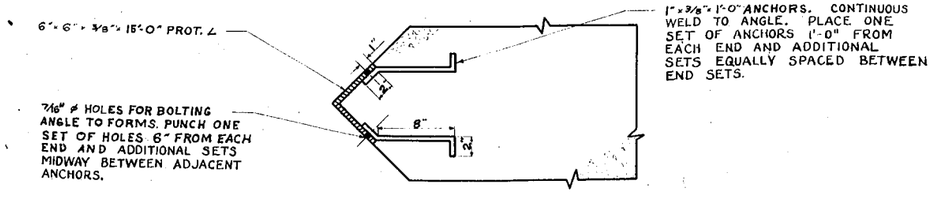
PILE PLAN



SECTION P1



SECTION L1



PROTECTION ANGLE DETAIL

2 ANGLES 15'-0" LONG REQ'D.
10 SETS ANCHORS REQ'D.

ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPER-STRUCTURE	ABUTMENTS	PIERS	TOTAL
REMOVING OLD BRIDGE	L. S.	——	——	——	1
EXCAVATION FOR STRUCTURE	C. Y.	——	40	220	260
SAND-GRAVEL FILL	C. Y.	——	20	——	20
CONCRETE MASONRY	C. Y.	130.9	47.7	99.0	277.6
BAR STEEL REINFORCEMENT	LB.	28080	1540	3740	33360
STRUCTURAL CARBON STEEL	LB.	4530	——	480	5010
✲ UNTREAT. TIMB. TEST PILING 20@35'-0"	L. S.	——	——	——	1
UNTREATED TIMBER PILING (DEL)	L. F.	——	——	620	620
UNTREATED TIMBER PILING (DRIV)	L. F.	——	——	620	620
TREATED TIMBER PILING (DEL)	L. F.	——	540	——	540
TREATED TIMBER PILING (DRIV.)	L. F.	——	540	——	540
PILE SHOES	EA.	——	18	31	49
RIPRAP	C. Y.	——	160	——	160
EXPANSION JOINT FILLER	SIZE.	½"	——	——	½"
PARAFFIN IMPREG TRANSITE	S. F.	70.0	——	——	70.0

✲ DRIVE ONE AT THE LOCATION OF SOUTH ABUTMENT & ONE AT PIER 2.

* THE DESIGN OF THIS STRUCTURE IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES A.A.S.H.O. EDITION OF 1953."

LIST OF DRAWINGS

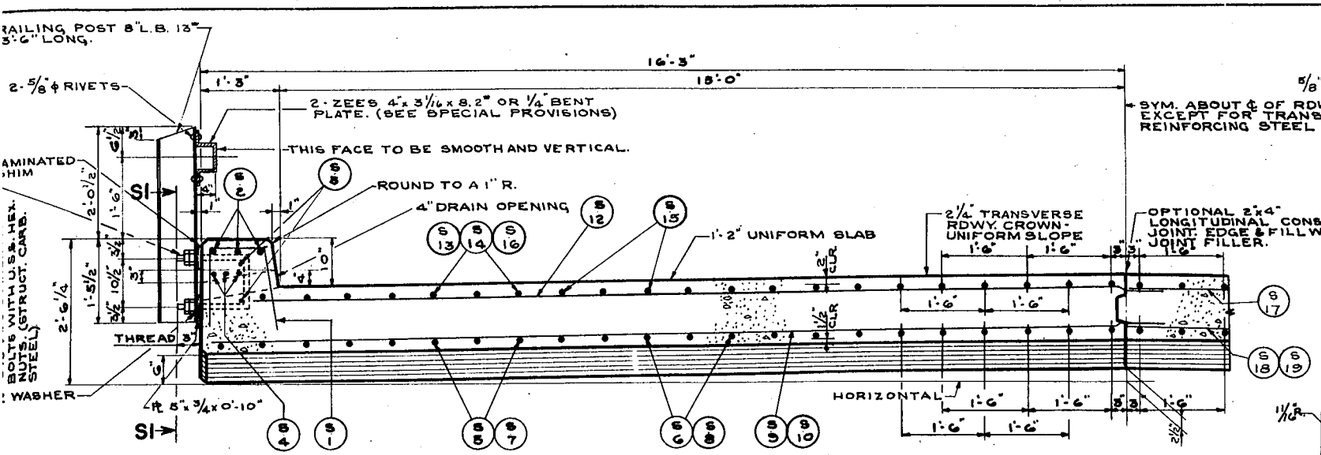
1. LAYOUT & PIERS ——— X14507
2. SUPERSTRUCTURE ——— X14508
3. ABUTMENTS & BILL OF BARS ——— X14509

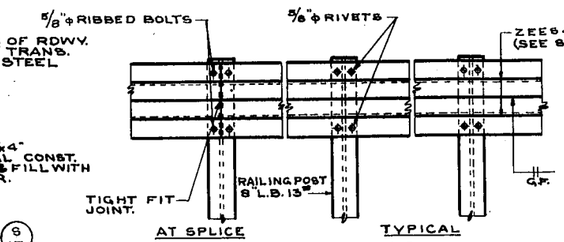
REVISED	STATE HIGHWAY COMMISSION OF WISCONSIN
	LAYOUT & PIERS
	CO. MARATHON · COUNTY SYS. TN. MAINE · STA. 527+35.00
	SECTION 5.8.4 · TOWN 30 N · RANGE 7 E
	DATE 12-28-54 · DRWN. H.J.F. C.J.B. · CKD. DBF · SPEC. * 1951 · LOAD H 20
	CORRECT: C. M. Kirk, BRIDGE ENGINEER
	APPROVED: E. L. Ruffini, STATE HIGHWAY ENGINEER

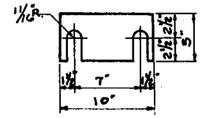
STRUCTURE B-37-21 | SHEET 1 OF 3

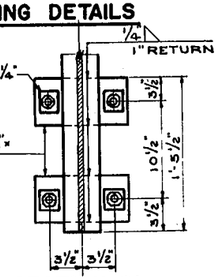
X14507

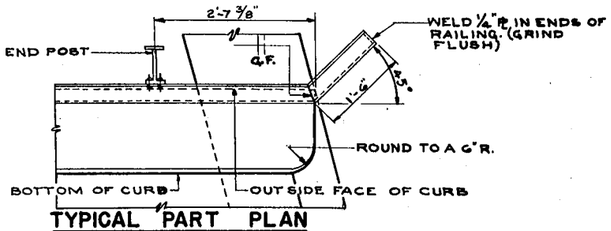
B. P. R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	F05-3(21)	29	101

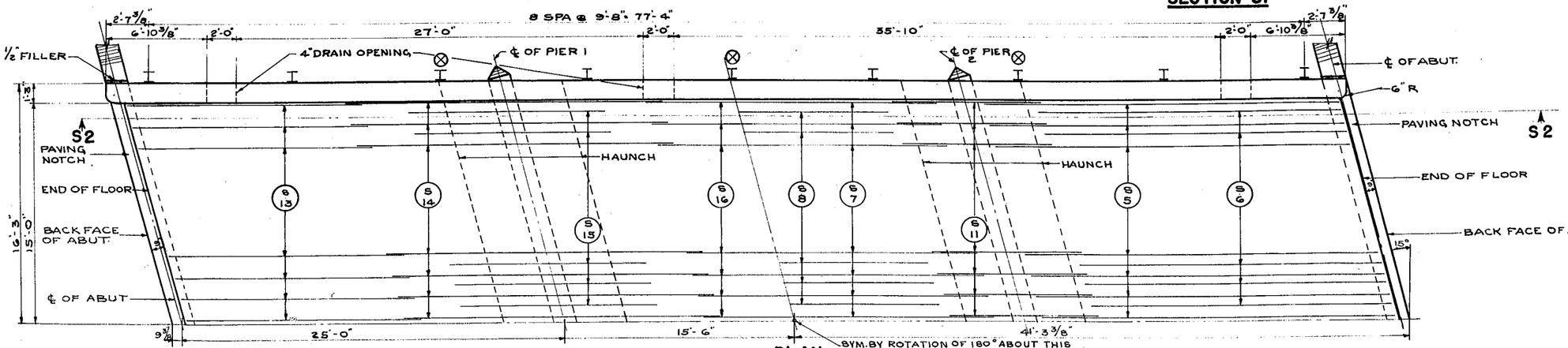


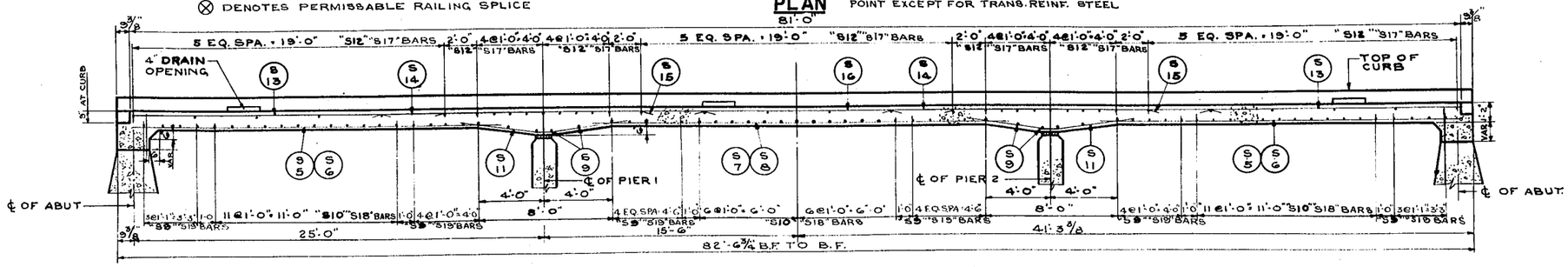


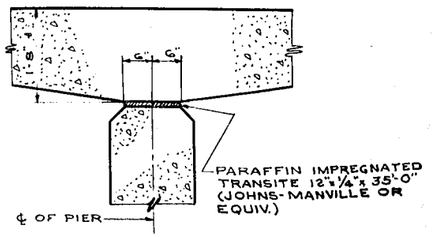












STATE HIGHWAY COMMISSION OF WISCONSIN

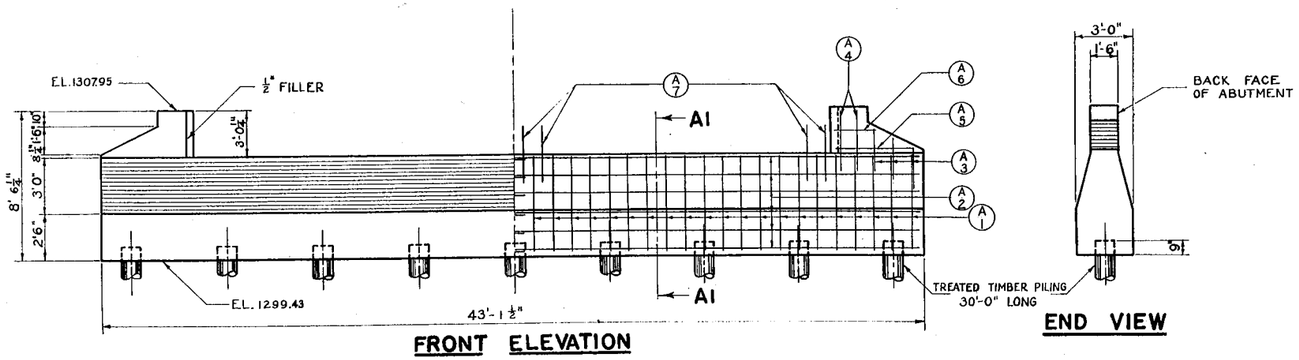
SUPERSTRUCTURE

DATE 12-28-54 DRAWN B.S. CKD. DEP. SPEC. 1951 LOAD H-20

STRUCTURE B-37-21 SHEET 2 OF 3

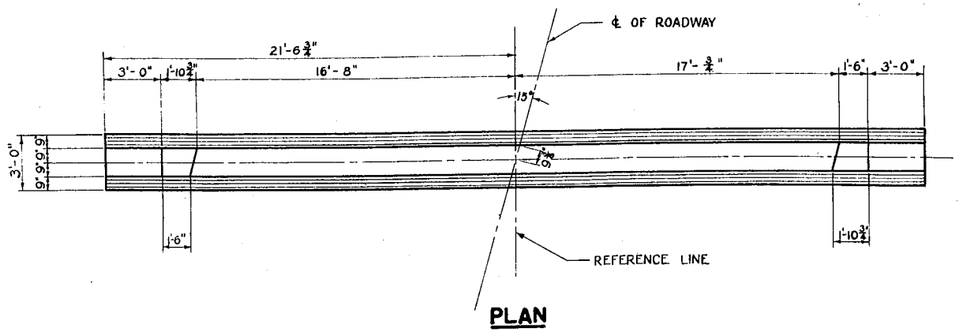
X 14508

D. F. P. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	F05-3(21)	30	101

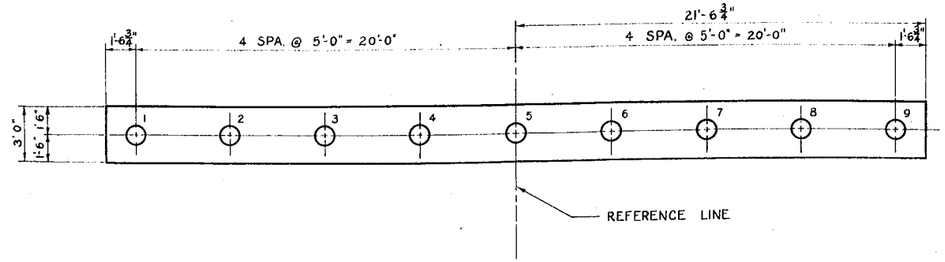


FRONT ELEVATION

END VIEW

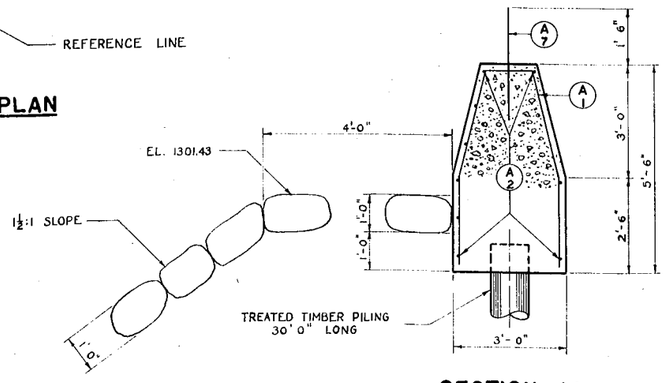


PLAN



FOOTING PLAN

NOTE:
FILL TO ELEVATION 1301.43 BEFORE DRIVING PILING. UPPER LIMITS OF "EXCAVATION FOR STRUCTURES" SHALL NOT BE HIGHER THAN THIS ELEVATION.



SECTION A1

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT

SUPERSTRUCTURE 28080#

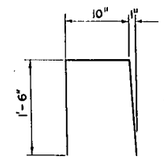
POUR	MARK	NO.	SIZE NO.	LENGTH	SPACING	LOCATION	DET.
ONE POUR	S1	110	4	3-9	1-6	CURBS	A
	S2	18	9	27-6	SHOWN	"	
	S3	36	7	4-0	SHOWN	CURBS - SYM. ABOUT ℄ OF POSTS	
	S4	18	4	4-0	SHOWN	CURBS - OVER DRAIN OPENINGS	
	S5	44	10	23-6	1-6	FLOOR, BOTTOM	
	S6	44	10	20-0	1-6	" "	
	S7	44	10	27-0	1-6	" ", SYM. ABOUT ℄ SPAN 2	
	S8	44	10	20-0	1-6	" " " " " "	
	S9	36	4	17-0	SHOWN	FLOOR, BOTTOM,	
	S10	37	5	17-0	SHOWN	FLOOR, BOTTOM	
	S11	44	4	9-0	1-6	FLOOR, BOTTOM, OVER PIERS	B
	S12	36	4	17-0	SHOWN	FLOOR, TOP	
	S13	44	4	15-6	1-6	" "	
	S14	44	9	21-0	1-6	FLOOR, TOP, SYM. ABOUT ℄ PIERS	
	S15	40	9	13-0	1-6	" " " " " "	
	S16	22	4	12-0	1-6	FLOOR, TOP	
	S17	36	4	15-9	SHOWN	" "	
	S18	37	5	15-9	SHOWN	FLOOR, BOTTOM	
	S19	36	4	15-9	SHOWN	" "	

PIERS 3740#

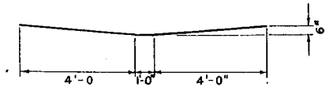
POUR	MARK	NO.	SIZE NO.	LENGTH	SPACING	LOCATION	DET.
FOOTING	P1	76	4	4-6	1-0	FOOTING	
	P2	8	4	19-3	SHOWN	"	
	P3	100	5	7-6	1-6	FOOTING & BODY	
BODY	P4	100	4	11-0	1-6	BODY	
	P5	128	4	17-9	1-0	"	
	P6	60	4	4-0	1-0	"	C
	P7	68	5	3-0	1-0	"	

ABUTMENTS 1540#

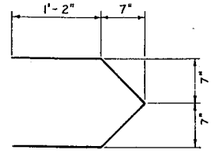
POUR	MARK	NO.	SIZE NO.	LENGTH	SPACING	LOCATION	DET.
ONE POUR	A1	86	4	11-9	1-0	BODY	D
	A2	36	4	22-0	SHOWN	"	
	A3	12	4	7-6	1-0	WINGS	E
	A4	8	4	8-9	1-0	"	E
	A5	4	4	4-0	1-0	"	
	A6	4	4	2-3	1-0	"	
	A7	68	5	3-0	1-0	BODY	



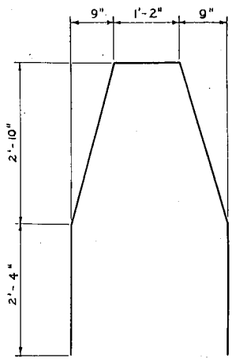
DETAIL A



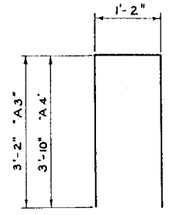
DETAIL B



DETAIL C



DETAIL D



DETAIL E

STATE HIGHWAY COMMISSION OF WISCONSIN

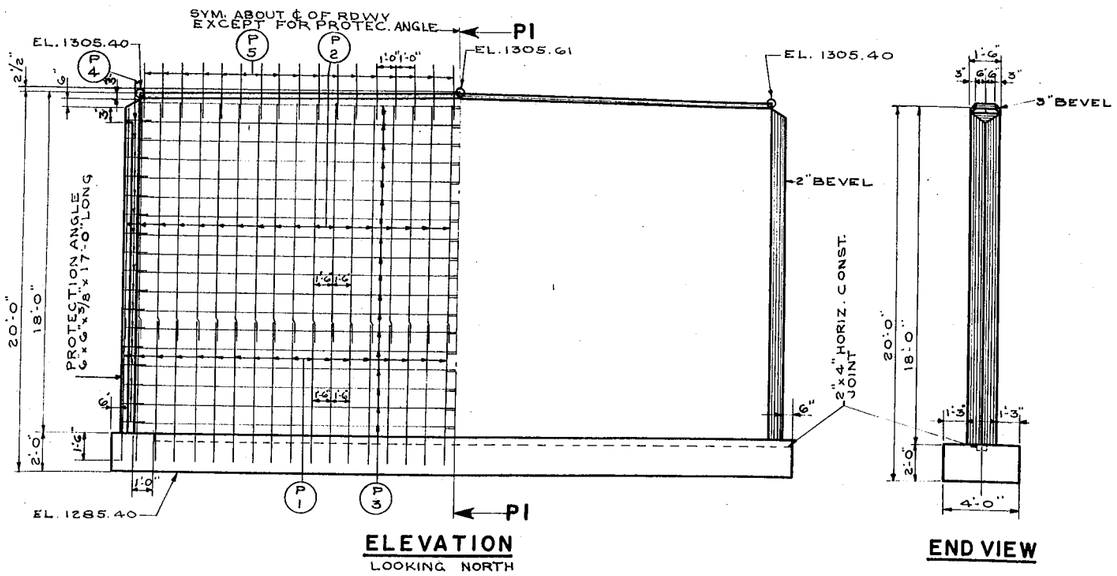
ABUTMENTS & BILL OF BARS

DATE 12-28-54 DRAWN C.J.B. CHK. DEPT. SPEC. 1951 LOAD H-20

STRUCTURE B 37 21 SHEET 3 OF 3

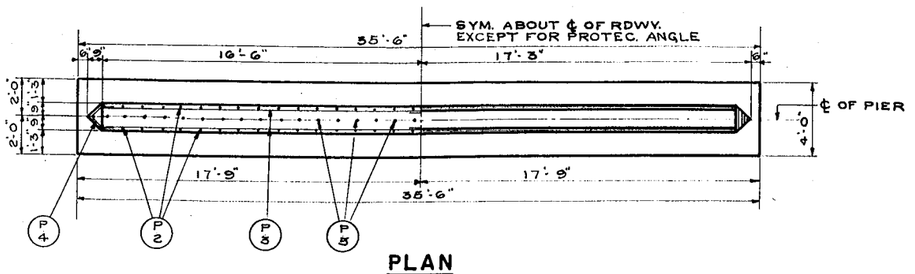
X 14509

COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT STATE	CLASS & AGREEMENT FEDERAL	B.P.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
37.1	5.3		11.21	WIS. 4	F05-3(21)	31	101

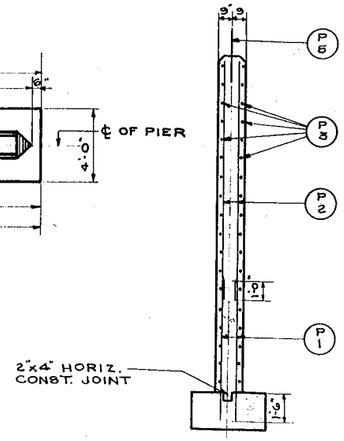


ELEVATION
LOOKING NORTH

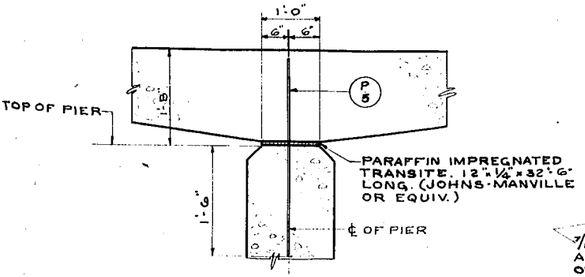
END VIEW



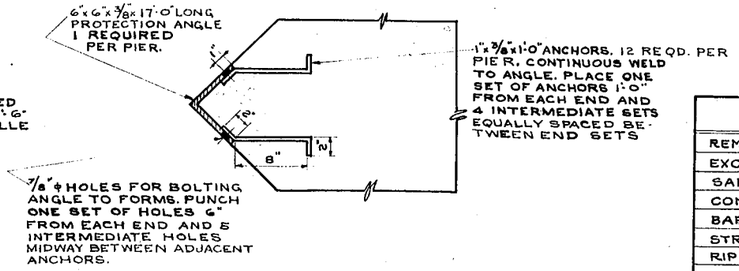
PLAN



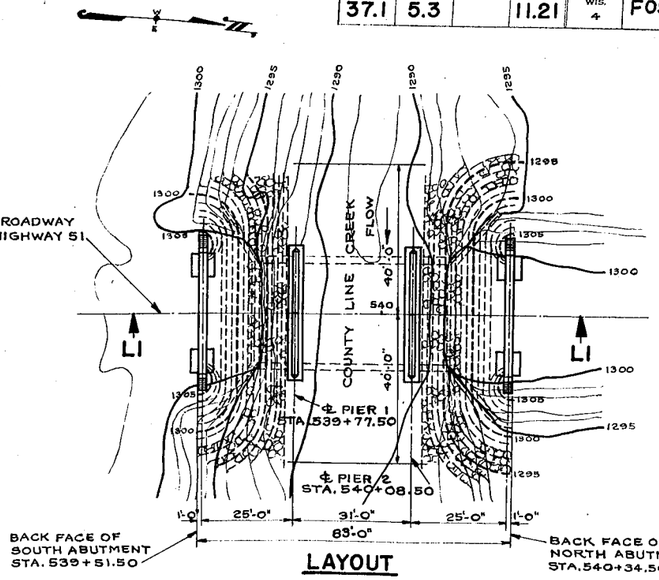
SECTION PI



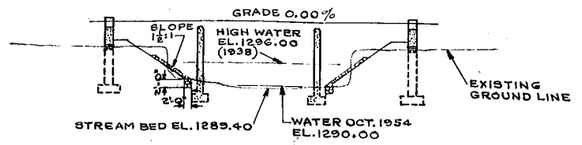
SECTION THRU SLAB AT PIERS



PROTECTION ANGLE DETAILS



LAYOUT



SECTION LI

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
ALL CONCRETE MASONRY SHALL BE GRADE "AA".
BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SPECIFIED.
BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
END SPANS SHALL BE FORMED TO A CAMBER OF 3/4" AND MIDDLE SPAN TO A CAMBER OF 1".
ALL EXCAVATED VOLUME NOT OCCUPIED BY THE NEW ABUTMENTS SHALL BE BACKFILLED WITH SAND-GRAVEL FILL TO THE ORIGINAL GROUND LINE. PAYMENT WILL BE MADE ONLY FOR MATERIAL ACTUALLY PLACED WITHIN LIMITS SPECIFIED FOR "EXCAVATION FOR STRUCTURES".
THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE RIPRAPPED AS SHOWN ON DRAWING X14496 AND IN "LAYOUT" ABOVE.
SUBSTRUCTURE UNITS SHALL BE KEYED AT LEAST 1'-0" INTO SOLID ROCK.

TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPER-STRUCTURE	SOUTH ABUTMENT	PIER 1	PIER 2	NORTH ABUTMENT	TOTAL
REMOVING OLD BRIDGE	LUMP SUM						1
EXCAVATION FOR STRUCTURES	C.Y.		75	60	50	90	275
SAND-GRAVEL FILL	C.Y.		80			100	180
CONCRETE MASONRY	C.Y.	132.9	24.8	44.5	44.5	85.9	272.6
BAR STEEL REINFORCEMENT	LB.	29,100	2,620	1,800	1,800	2,720	37,040
STRUCTURAL CARBON STEEL	LB.	4,580		270	270		5,120
RIPRAP	C.Y.		65			65	130
NON-BID ITEMS							
EXPANSION JOINT FILLER	SIZE	1" 2					1" 2
PARAFFIN IMPREG. TRANSITE OR EQUIV.	S.F.						65

LIST OF DRAWINGS

1-LAYOUT & PIERS ——— X14494
2-SUPERSTRUCTURE ——— X14495
3-ABUTMENTS & BILL OF BARS ——— X14496

* THE DESIGN OF THIS STRUCTURE IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES A.A.S.H.O. EDITION OF 1953."

REVISED

STATE HIGHWAY COMMISSION OF WISCONSIN

LAYOUT & PIERS

CO. MARATHON | DIST. Wisc. Hwy. DIV. MAINE | STA. 539+95.00
SECTION 5 | TOWN 30 N | RANGE 7E
DATE 12/17/54 | DRWN. B.B. F.A.M. | CKD. EMC | SPEC. 1951 | LOAD H20

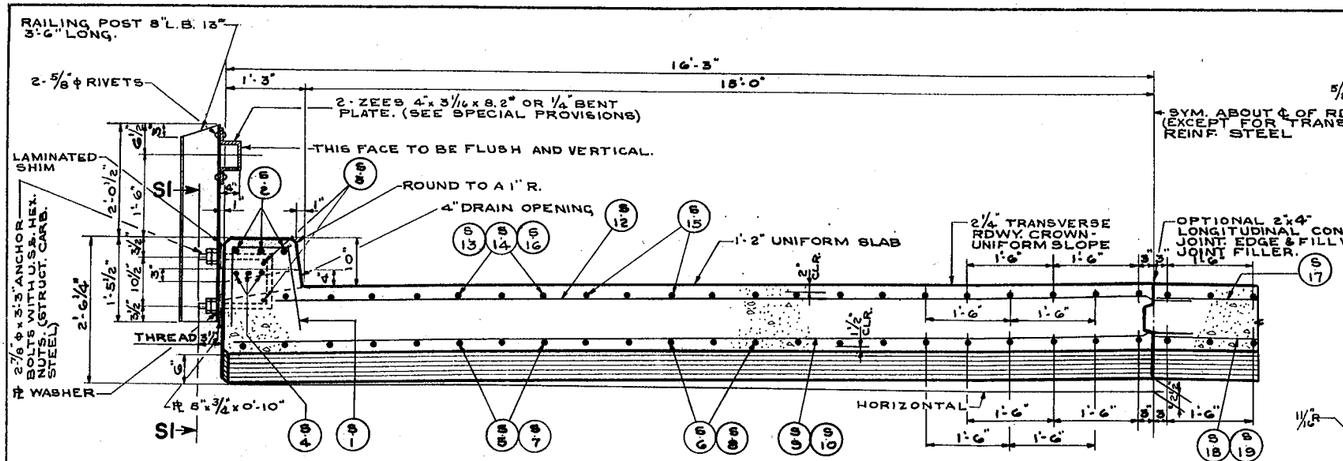
CONTRACT: E. F. Kloehn
BRIDGE ENGINEER

APPROVED: E. G. Rostiyn
STATE HIGHWAY ENGINEER

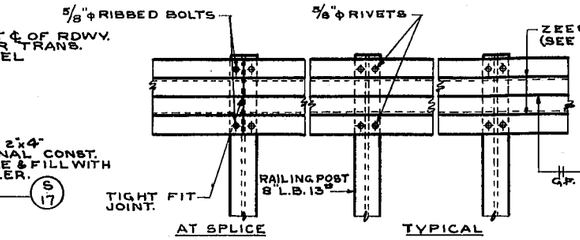
STRUCTURE B-37-22 | SHEET 1 OF 3

X14494

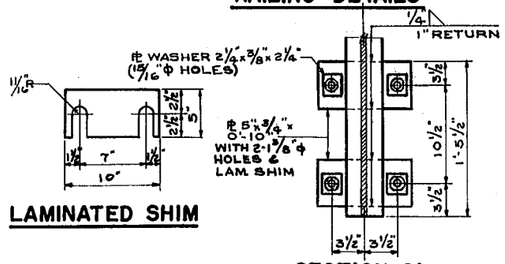
B. P. R. DIVISION	PROJECT	SHEET NO.	
4	F05-3(21)	32	



HALF CROSS SECTION OF ROADWAY

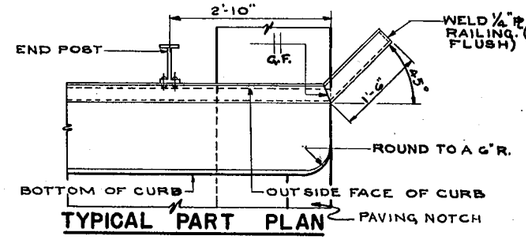


RAILING DETAILS

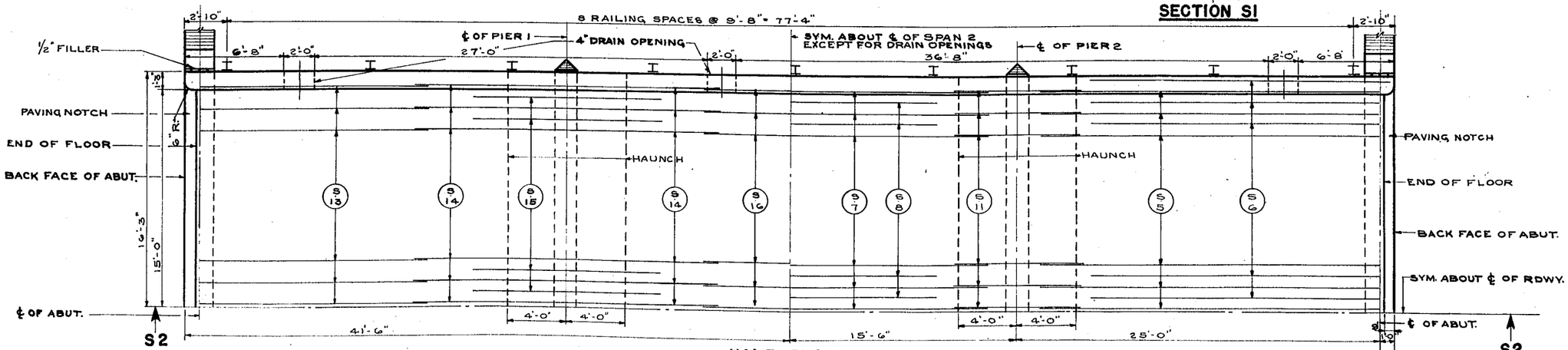


LAMINATED SHIM

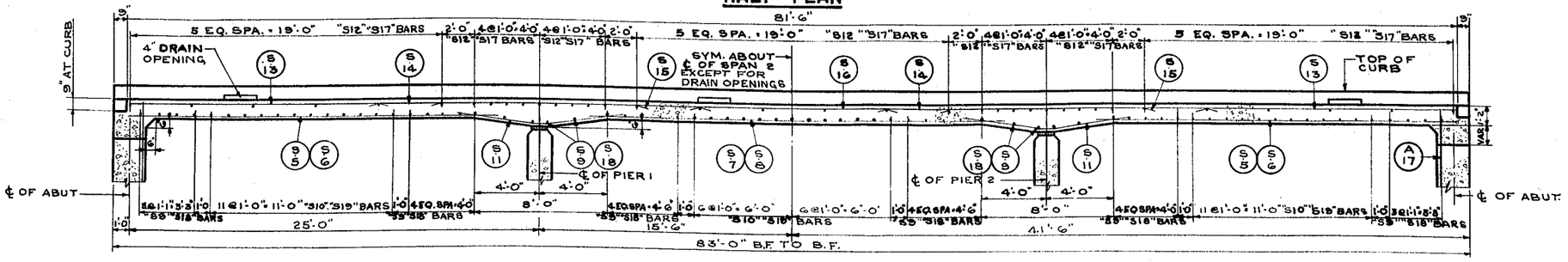
SECTION SI



TYPICAL PART PLAN



HALF PLAN



SECTION S2

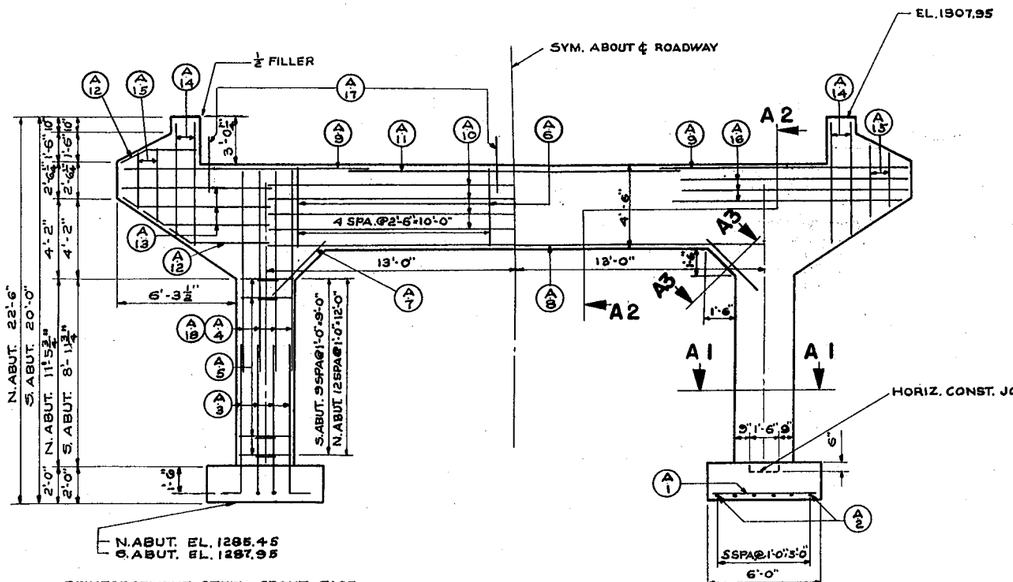
STATE HIGHWAY COMMISSION OF WISC.

SUPERSTRUCTURE

DATE 12/7/54 BY B.S. CKD. ENC SPEC. 195

STRUCTURE B -37-22 SHEET 2 OF 3

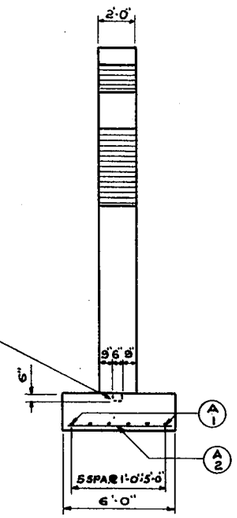
B. P. R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	F05-3(21)	33	101



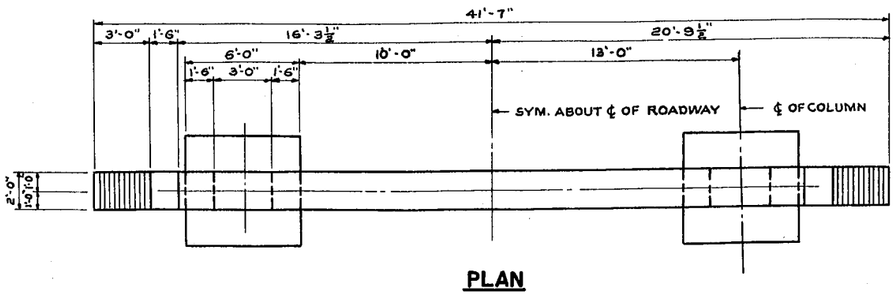
REINFORCEMENT STEEL FRONT FACE

ELEVATION

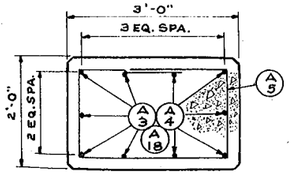
REINFORCEMENT STEEL BACK FACE



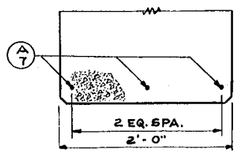
END VIEW



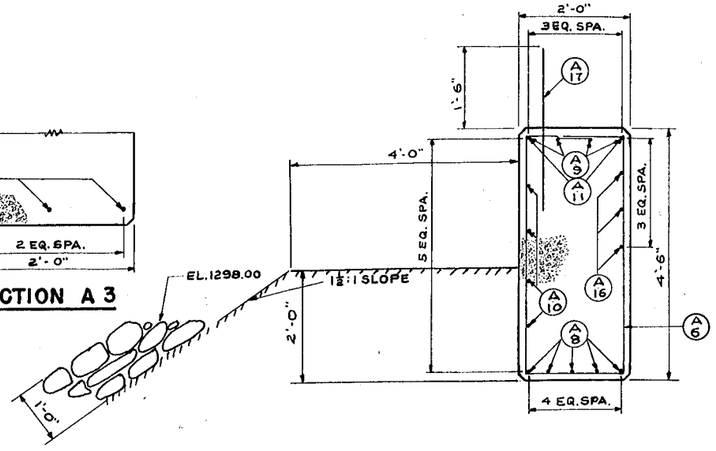
PLAN



SECTION A1



SECTION A 3



SECTION A 2

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

ABUTMENTS

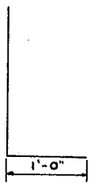
POUR	MARK	NO.	SIZE NO.	LENGTH	SPACING	LOCATION	DET.
FOOTING	A 1	24	5	5-6	1-0	FOOTING	
	A 2	24	5	5-6	1-0	"	
	A 3	40	7	8-0	SHOWN	" & COLUMNS	A
COLUMNS - GIRDER & WINGS	A 4	20	7	13-6	SHOWN	COLUMN & GIRDER N. ABUT. ONLY	
	A 5	46	4	9-9	1-0	HOOPS	B
	A 6	20	4	12-9	2-6	STIRRUPS	B
	A 7	12	4	5-0	SHOWN	HAUNCH	
	A 8	10	10	26-0	SHOWN	GIRDER	
	A 9	16	8	13-0	SHOWN	" & WINGS TOP	
	A 10	16	6	26-0	SHOWN	" F.F.	
	A 11	4	4	17-6	SHOWN	" TIE BAR	
	A 12	8	4	4-0	1-0	WINGS F.F.	
	A 13	12	4	7-6	1-0	" "	
	A 14	8	4	13-6	1-0	"	C
	A 15	8	4	7-6	1-0	"	C
	A 16	12	5	12-0	SHOWN	GIRDER & WINGS B.F.	
	A 17	66	5	3-0	1-0	DOWELS TOP OF GIRDER	
	A 18	20	7	11-0	SHOWN	COLUMN & GIRDER S. ABUT. ONLY	

PIERS

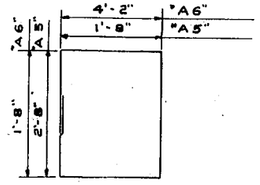
POUR	MARK	NO.	SIZE NO.	LENGTH	SPACING	LOCATION	DET.
FOOTING	P 1	98	8	7-6	1-6	FOOTING & BODY VERT.	
BODY	P 2	98	4	12-6	1-6	BODY VERT.	
	P 3	144	4	17-0	1-0	" HORIZ.	
	P 4	72	4	4-0	1-0	" " NOSE	D
	P 5	68	5	3-0	1-0	DOWELS	

SUPERSTRUCTURE

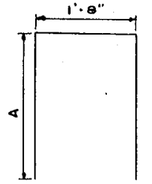
POUR	MARK	NO.	SIZE NO.	LENGTH	SPACING	LOCATION	DET.
ONE POUR	S 1	110	4	3-9	1-6	CURBS	E
	S 2	18	9	28-0	SHOWN	"	
	S 3	36	7	4-0	SHOWN	" SYM. ABOUT ℄ POSTS	
	S 4	18	4	4-0	SHOWN	" OVER DRAIN OPENING	
	S 5	44	10	23-6	1-6	FLOOR BOTTOM	
	S 6	44	10	20-0	1-6	" "	
	S 7	44	10	27-0	1-6	" "	
	S 8	44	10	20-0	1-6	" "	
	S 9	38	4	17-3	SHOWN	" " OVER PIERS	
	S 10	37	5	17-3	SHOWN	" "	
	S 11	44	4	8-0	1-6	" " OVER PIERS	F
	S 12	38	4	16-6	SHOWN	FLOOR TOP	
	S 13	44	4	15-6	1-6	" "	
	S 14	44	9	21-0	1-6	" " OVER PIERS	
	S 15	40	9	13-0	1-6	" " " "	
	S 16	22	4	12-0	1-6	" "	
	S 17	36	4	15-0	SHOWN	" "	
	S 18	36	4	15-9	SHOWN	" BOTTOM OVER PIERS	
	S 19	37	5	15-9	SHOWN	" "	



DETAIL A

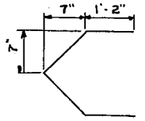


DETAIL B

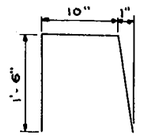


MARK	A
A 14	6-0
A 15	3-0

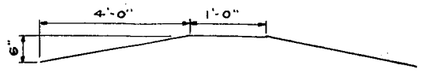
DETAIL C



DETAIL D



DETAIL E



DETAIL F

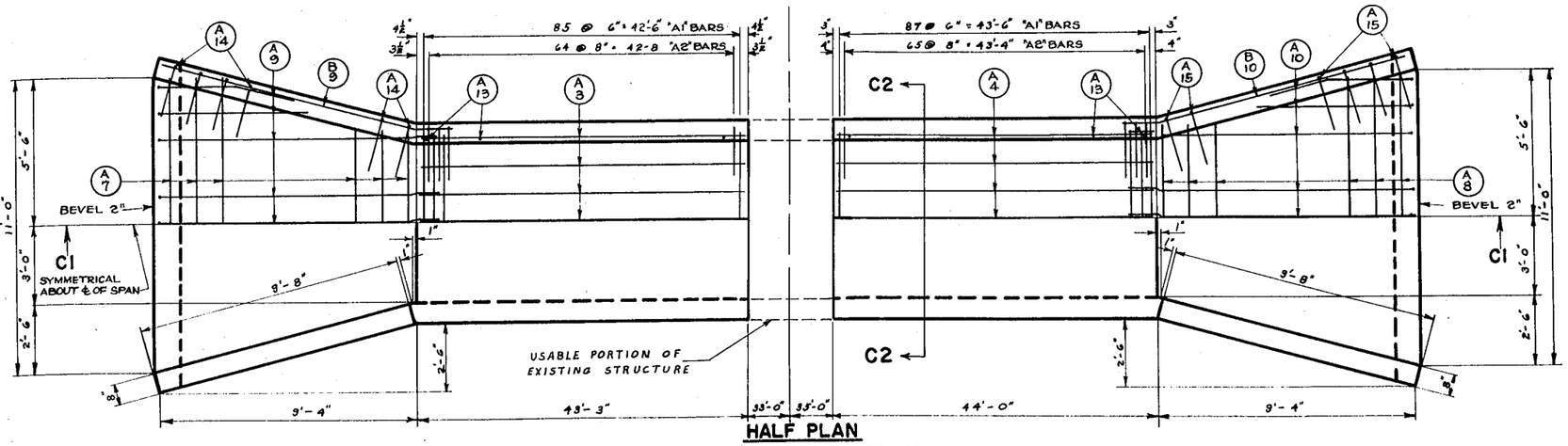
REVISED	STATE HIGHWAY COMMISSION OF WISCONSIN
	ABUTMENTS & BILL OF BARS
	DATE 12/17/54 DRAWN E.D. CHKD BMZ SPEC. 1951 LOADING 20
STRUCTURE B-37-22	SHEET 3 OF 3 SHEETS

X14496

COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT STATE	CLASS & AGREEMENT FEDERAL	B.P.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
37.1	5.3		11.4	WIS. 5N	F05-3(21)	34	101

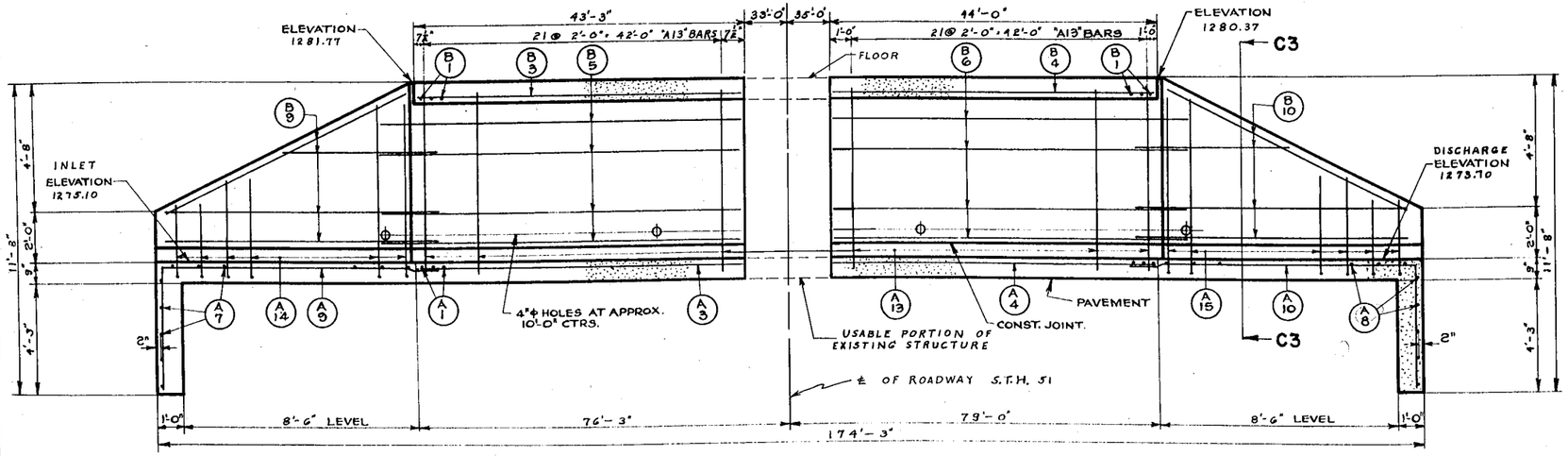
HALF SECTION

SHOWING REINFORCEMENT IN PAVEMENT, APRONS, SIDES AND WINGS. "B1","B2","B3","B4" BARS IN THE FLOOR ARE SPACED THE SAME AS THE "A1","A2","A3", & "A4" BARS.

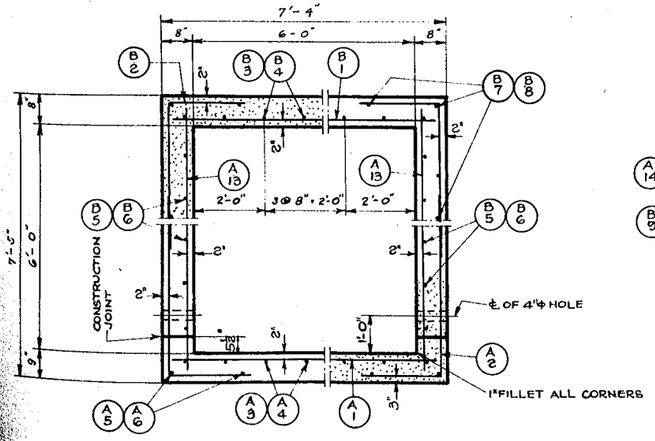


HALF PLAN

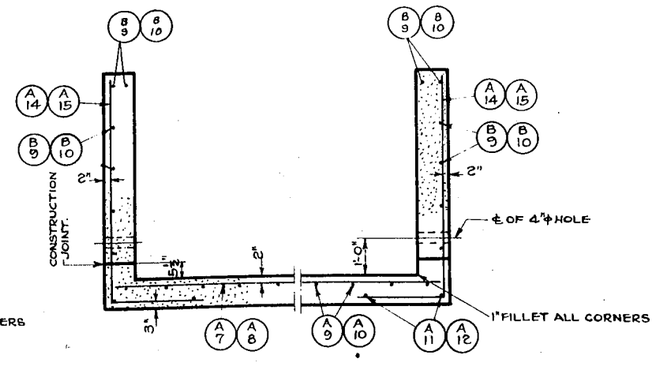
SHOWING COMPLETED STRUCTURE.



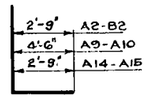
SECTION C1



SECTION C2



SECTION C3



DETAIL C

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

POUR	MARK	NO.	SIZE NO.	LENGTH	SPACING	LOCATION	DETAIL
PAVEMENT AND APRONS	A1	174	6	6-8	6	PAVEMENT	
	A2	262	6	6-8	8	"	C
	A3	16	4	22-0	SHOWN	"	
	A4	16	4	22-6	"	"	
	A5	8	4	22-0	"	CORNERS	
	A6	8	4	22-6	"	"	
	A7	5	4	11-0	1-0	APRON	
		3	4	10-6	1-0		
		3	4	8-9	1-0		
		3	4	7-0	1-0		
	A8	5	4	11-0	1-0	"	
		3	4	10-6	1-0		
		3	4	8-9	1-0		
		3	4	7-0	1-0		
	A9	7	4	14-9	1-0	"	C
		2	4	10-0	1-0		
		2	4	6-3	1-0		
	A10	7	4	14-9	1-0	"	C
		2	4	10-0	1-0		
		2	4	6-3	1-0		
	A11	4	4	8-9	SHOWN	"	
	A12	4	4	8-9	"	"	
	A13	88	4	6-9	2-0	SIDES	
	A14	4	4	9-0	1-0	WINGS	C
		4	4	8-0	1-0		
		4	4	7-0	1-0		
		6	4	5-9	1-0		
	A15	4	4	9-0	1-0	"	C
		4	4	8-0	1-0		
		4	4	7-0	1-0		
		6	4	5-9	1-0		
SIDES AND FLOOR	B1	174	6	6-9	6	FLOOR	
	B2	262	6	6-9	8	"	C
	B3	16	4	22-0	SHOWN	"	
	B4	16	4	22-6	"	"	
	B5	20	4	22-6	1-0	SIDES	
	B6	20	4	23-0	1-0	"	
	B7	12	4	22-0	SHOWN	CORNERS	
	B8	12	4	22-6	"	"	
	B9	4	4	10-3	1-0	WINGS	
		4	4	8-3	1-0		
		4	4	10-6	1-0		
	B10	4	4	10-3	1-0	"	
		4	4	8-3	1-0		
		4	4	10-6	1-0		

ESTIMATED QUANTITIES

BID ITEMS

EXCAVATION FOR STRUCTURES	35	C.Y.
CONCRETE MASONRY	72.5	C.Y.
BAR STEEL REINFORCEMENT	12,130	LB.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
CONCRETE MASONRY SHALL BE GRADE "AA".
BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SHOWN.
IMBEDMENT DIMENSIONS APPLY TO FACE OF BAR.

REVISED

STATE HIGHWAY COMMISSION OF WISCONSIN

DETAILS

CO. MARATHON | CORP. TWP. MAINE | STA. 249+34.00

SECTION 32 & 33 | TOWN 30 N | RANGE 7E

DATE 12-30-54 | DRWN H.G. | CKD A.L.G. | SPEC. 1951 | LOAD H-20

CORRECT: E. N. Dusti
BRIDGE ENGINEER

APPROVED: E. G. Rottiger
STATE HIGHWAY ENGINEER

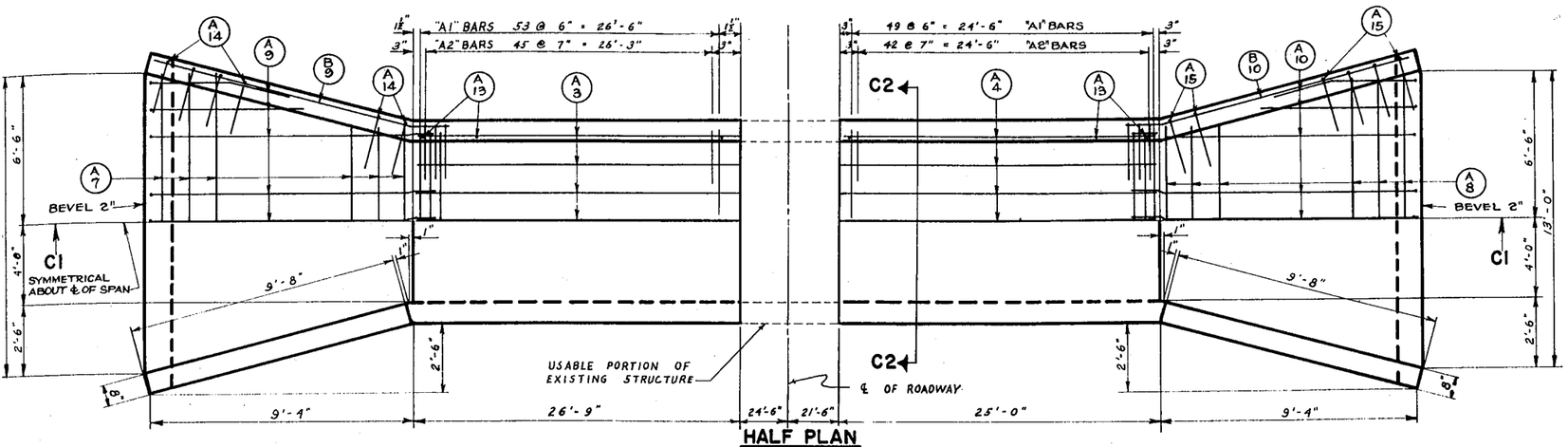
STRUCTURE C-37-7 | SHEET 1 OF 1

X 14515

COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT STATE	CLASS & AGREEMENT FEDERAL	B.P.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
37.1	5.3		11.21	WIS. SN	F05-3(21)	35	101

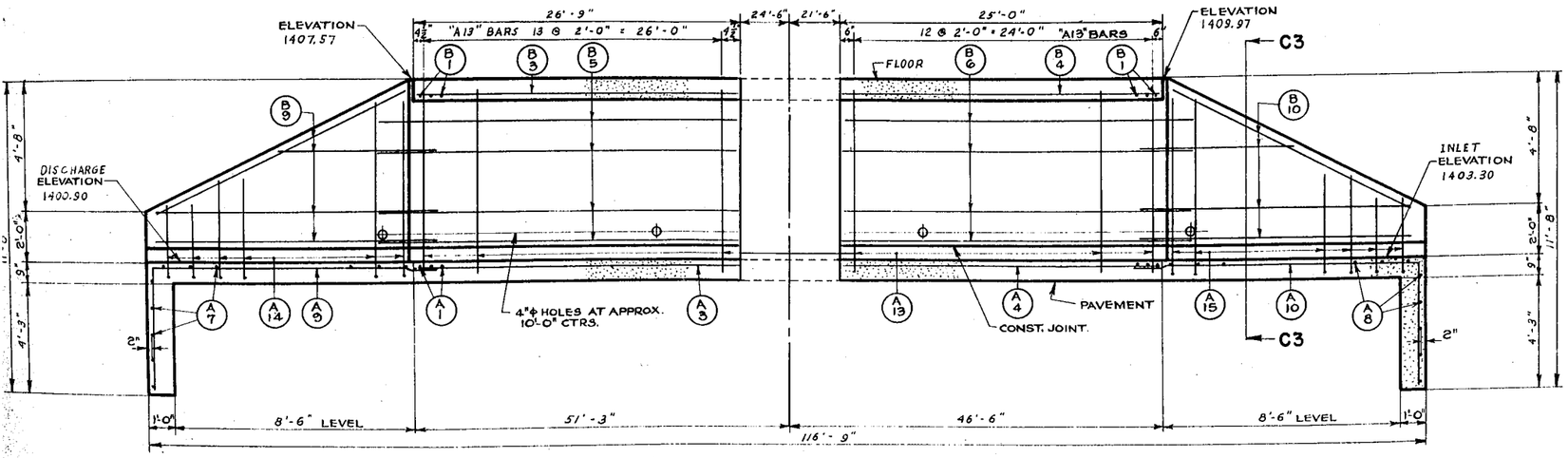
HALF SECTION

SHOWING REINFORCEMENT IN PAVEMENT, APRONS, SIDES AND WINGS. "B1","B2","B3","B4" BARS IN THE FLOOR ARE SPACED THE SAME AS THE "A1","A2","A3","A4" BARS.

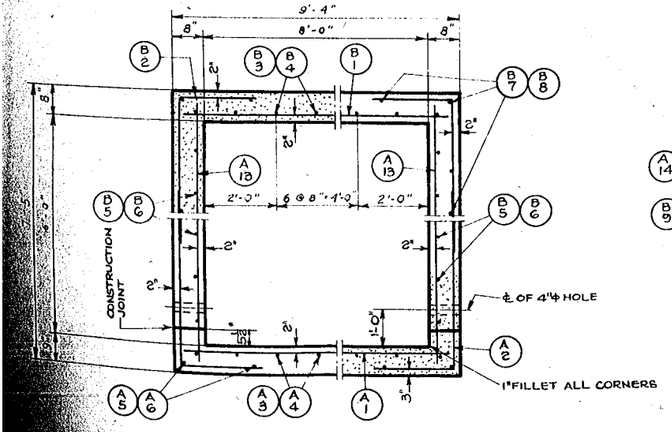


HALF PLAN

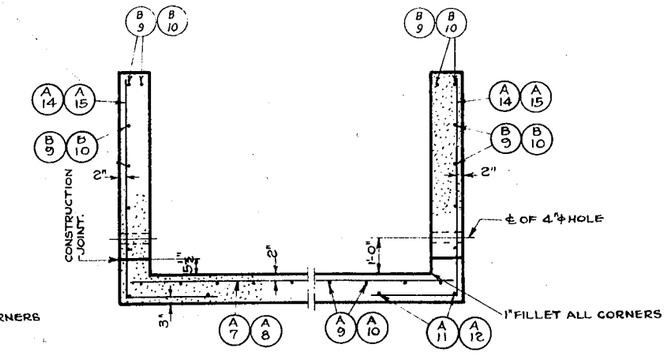
SHOWING COMPLETED STRUCTURE.



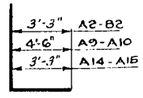
SECTION C1



SECTION C2



SECTION C3



DETAIL C

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

POUR	MARK	NO.	SIZE NO.	LENGTH	SPACING	LOCATION	DETAIL
PAVEMENT AND APRONS	A1	104	6	8-9	6	PAVEMENT	
	A2	178	6	7-6	7	"	C
	A3	11	4	26-6	SHOWN	"	
	A4	11	4	24-9	"	"	
	A5	4	4	26-6	"	CORNERS	
	A6	4	4	24-9	"	"	
	A7	5	4	13-0	1-0	APRON	
		3	4	12-6	1-0		
		3	4	10-9	1-0		
		3	4	9-0	1-0		
	A8	5	4	13-0	1-0	"	
		3	4	12-6	1-0		
		3	4	10-9	1-0		
		3	4	9-0	1-0		
	A9	2	4	6-3	1-0		
		2	4	10-0	1-0	"	C
		9	4	14-9	1-0		
	A10	2	4	6-3	1-0		
		2	4	10-0	1-0	"	C
		9	4	14-9	1-0		
	A11	4	4	9-3	SHOWN	"	
	A12	4	4	9-3	"	"	
	A13	54	4	6-9	2-0	SIDES	
	A14	4	4	6-0	1-0	WINGS	C
		4	4	7-3	1-0		
		6	4	8-6	1-0		
		4	4	9-9	1-0		
	A15	4	4	6-0	1-0	"	C
		4	4	7-3	1-0		
		6	4	8-6	1-0		
		4	4	9-9	1-0		
SIDES AND FLOOR	B1	104	6	8-9	6	FLOOR	
	B2	178	6	7-6	7	"	C
	B3	11	4	26-6	SHOWN	"	
	B4	11	4	24-9	"	"	
	B5	10	4	27-6	1-0	SIDES	
	B6	10	4	26-0	1-0	"	
	B7	6	4	26-6	SHOWN	CORNERS	
	B8	6	4	24-9	"	"	
	B9	4	4	10-9	1-0	WINGS	
		4	4	8-0	1-0		
		4	4	10-0	1-0		
	B10	4	4	10-9	1-0	"	
		4	4	8-0	1-0		
		4	4	10-0	1-0		

ESTIMATED QUANTITIES

BID ITEMS

EXCAVATION FOR STRUCTURES	60 C.Y.
CONCRETE MASONRY	55.7 C.Y.
BAR STEEL REINFORCEMENT	9270 LB.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
CONCRETE MASONRY SHALL BE GRADE "AA."
BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SHOWN.
IMBEDMENT DIMENSIONS APPLY TO FACE OF BAR.

REVISED

STATE HIGHWAY COMMISSION OF WISCONSIN

DETAILS

CO. MARATHON | CITY WIS. TN. MAINE | B.M. 945.8600

SECTION 20 & 21 | TOWN 30 N | RANGE 7E

DATE 12-28-54 DRWN A.L.H. CKD T.J.P.W. | SPEC. 1951 | LOAD H 20

CORRECT: G. J. Knuth BRIDGE ENGINEER

APPROVED: E. L. Kothrun STATE HIGHWAY ENGINEER

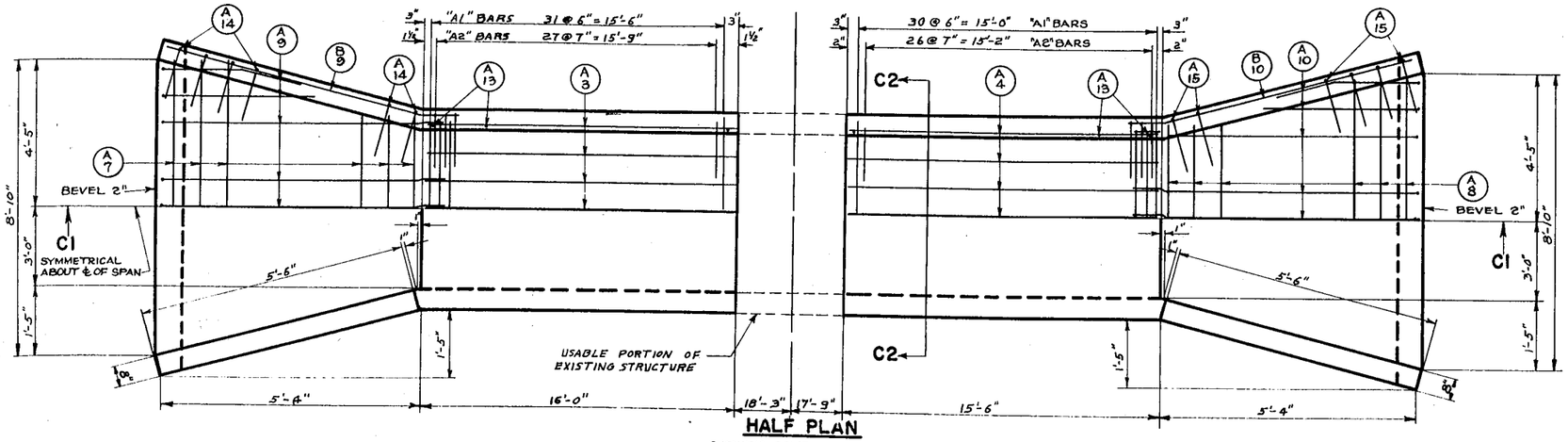
STRUCTURE C-37-8 | SHEET 1 OF 1

X 14511

COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT STATE	CLASS & AGREEMENT FEDERAL	B.P.R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
37.1	5.3		11.21	WIS. SN	F05-3(21)	36	101

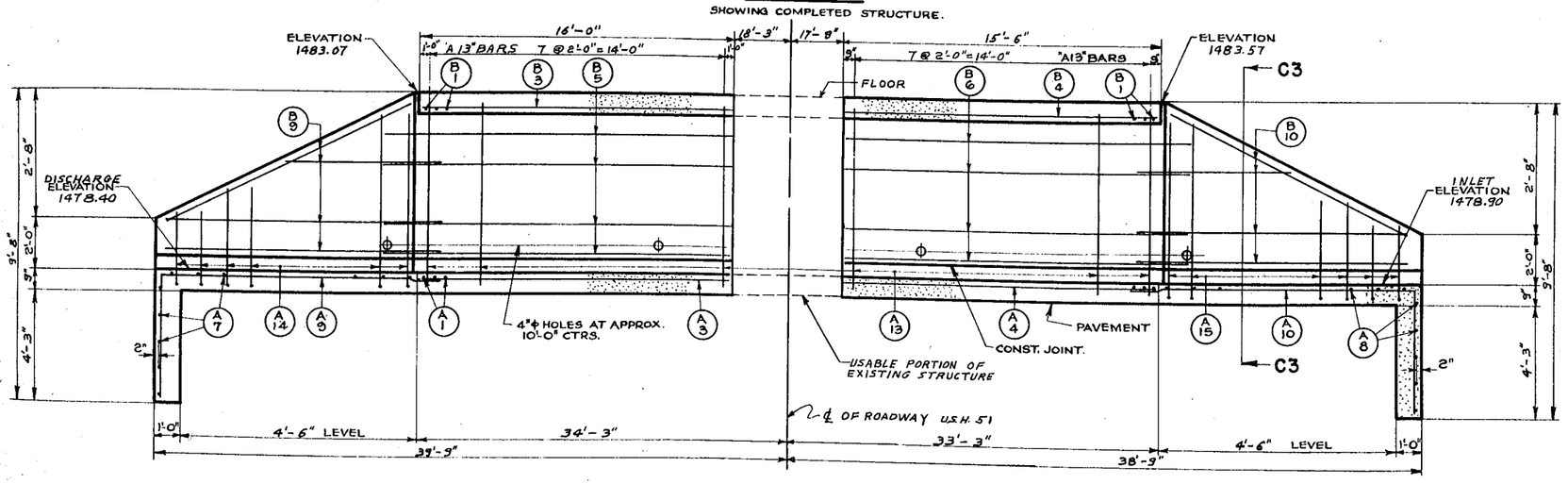
HALF SECTION

SHOWING REINFORCEMENT IN PAVEMENT, APRONS, SIDES AND WINGS. "B1","B2","B3","B4" BARS IN THE FLOOR ARE SPACED THE SAME AS THE "A1","A2","A3","A4" BARS.

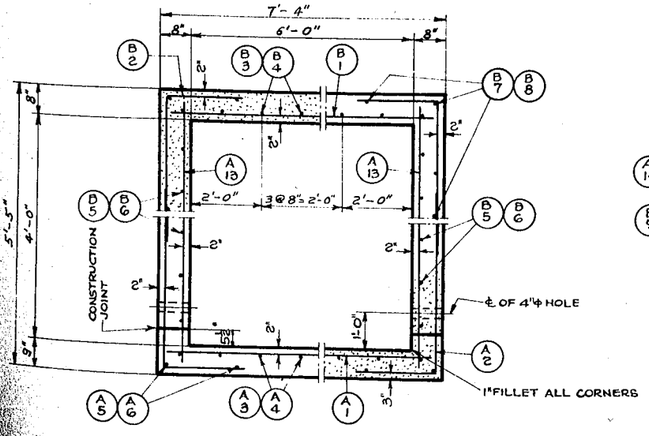


HALF PLAN

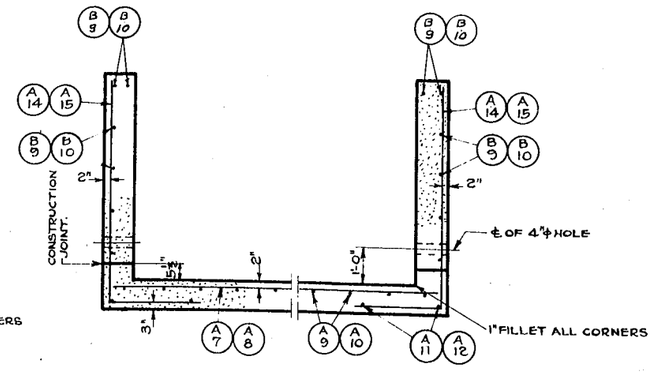
SHOWING COMPLETED STRUCTURE.



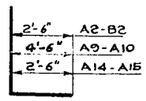
SECTION C1



SECTION C2



SECTION C3



DETAIL C

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

POUR	MARK	NO.	SIZE NO.	LENGTH	SPACING	LOCATION	DETAIL
PAVEMENT AND APRONS	A1	63	5	6-9	6	PAVEMENT	
	A2	55	4	5-6	7	"	C
	A3	8	4	15-9	SHOWN	"	
	A4	8	4	15-3	"	"	
	A5	4	4	15-9	"	CORNERS	
	A6	4	4	15-3	"	"	
	A7	6	4	9'-0	1-0	APRON	
		2	4	7-3	1-0		
		2	4	6-6	1-0		
	A8	6	4	9-0	1-0	"	
		2	4	7-3	1-0		
		2	4	6-6	1-0		
	A9	4	4	8-6	1-0	"	C
		5	4	11-0	1-0		
	A10	4	4	8-6	1-0	"	C
		5	4	11-0	1-0		
	A11	4	4	5-6	SHOWN	"	
	A12	4	4	5-6	"	"	
	A13	32	4	5-0	2-0	SIDES	
	A14	6	4	5-3	1-0	WINGS	C
		6	4	6-3	1-0		
	A15	6	4	5-3	1-0	"	C
		6	4	6-3	1-0		
SIDES AND FLOOR	B1	63	5	6-9	6	FLOOR	
	B2	55	4	5-6	7	"	C
	B3	8	4	15-9	SHOWN	"	
	B4	8	4	15-3	"	"	
	B5	6	4	16-6	1-0	SIDES	
	B6	6	4	16-0	1-0	"	
	B7	6	4	15-9	SHOWN	CORNERS	
	B8	6	4	15-3	"	"	
	B9	8	4	6'-6'	1-0	WINGS	
		2	4	3-6	1-0		
	B10	8	4	6'-6'	1-0	"	
		2	4	3-6	1-0		

ESTIMATED QUANTITIES

BID ITEMS

EXCAVATION FOR STRUCTURES	20.0 C.Y.
CONCRETE MASONRY	26.0 C.Y.
BAR STEEL REINFORCEMENT	2490 LB.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
CONCRETE MASONRY SHALL BE GRADE "AA."
BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SHOWN.
IMBEDMENT DIMENSIONS APPLY TO FACE OF BAR.

REVISED

STATE HIGHWAY COMMISSION OF WISCONSIN

DETAILS

CO. MARATHON CITY VIL. TN. MAINE STA. 376+37

SECTION 20 & 21 TOWN 30N RANGE 7E

DATE 12-28-54 DRWN. MB CKD. [illegible] SPEC. 1951 LOAD H-20

CORRECT: G. T. Schaefer BRIDGE ENGINEER

APPROVED: E. L. Rettiger STATE HIGHWAY ENGINEER

STRUCTURE C-37-9 SHEET 1 OF 1

X 14510

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F 05-3(21)	37	101

STATION	DISTANCE	EXCAVATION	FILL
209 +00	100		
		1415	
208 +00	100		
		1415	
207 +50	50		
		1415	
207 +00	50		
		1415	
206 +50	50		
		1415	
206 +00	50		
		1410	
SHEET TOTAL	500	8,175	0

PLATE 3. CROSS SECTION, B.P.R. 8.5-FT. ROADWAY
100% AND PERCENTAGES ARE PLOTTED TO SCALE
EUGENE DIETZGEN CO.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	38	101

215+00

14.0

1415

214+00

14.2

1415

213+00

14.4

1420

212+00

14.6

1420

211+00

14.9

1420

210+00

15.7

1420

STATION	DISTANCE	YARDAGE EXCAVATION UNC	FILL
210			6
	94		
211			4
	100		
212			11
	96		
213			17
	91		
214			15
	80		
215			

SHEET TOTAL 481 53

PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	39	101

STATION	DISTANCE	YARDAGE EXCAVATION UNC	FILL
221		48	19
	228		
220		48	18
	219		
219		61	11
	218		
218		59	17
	217		
217		59	11
	216		
216		63	13
	215		

221+00
1405
06.6

220+00
1405
06.6

219+00
1410
06.6

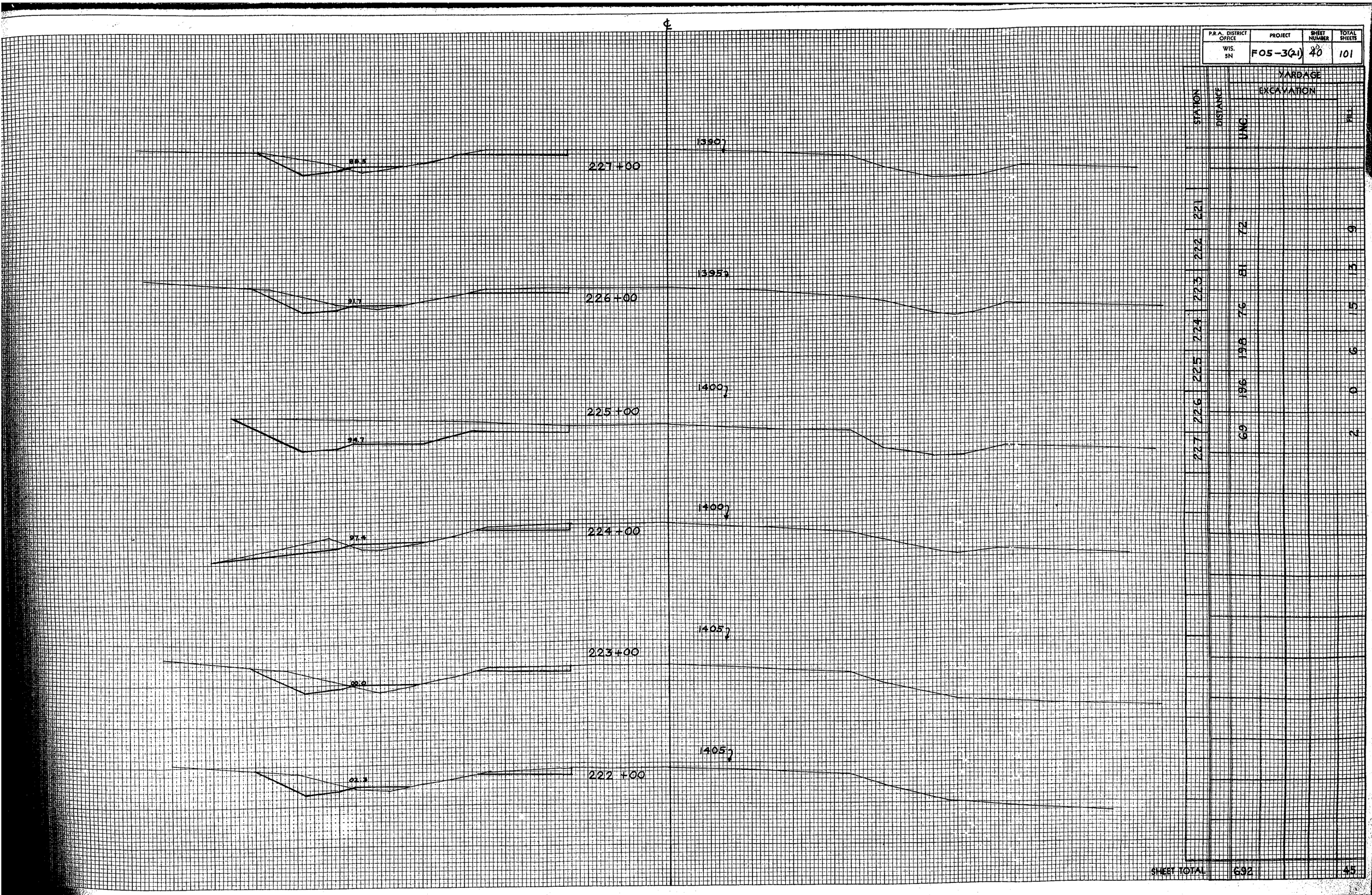
218+00
1410
10.1

217+00
1415
7.6

216+00
1415
12.3

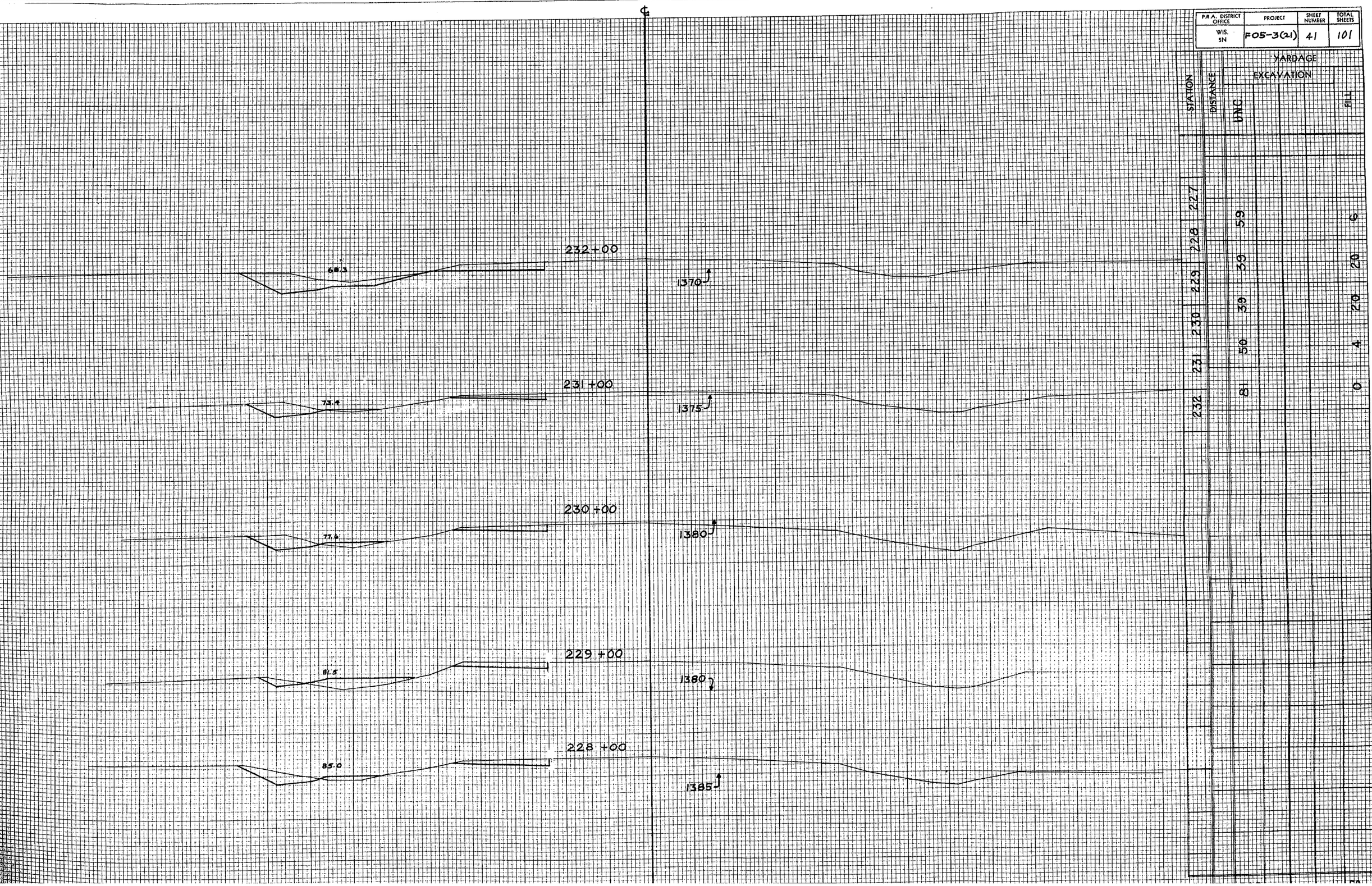
SHEET TOTAL 378 84

P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	40	101



STATION	DISTANCE	YARDAGE EXCAVATION	YARDAGE FILL
227			
	69		2
226	196		0
	196		6
225	76		15
	76		
224	81		13
	81		
223	72		9
	72		
222			
	221		
221			
	UNC		
SHEET TOTAL	692		45

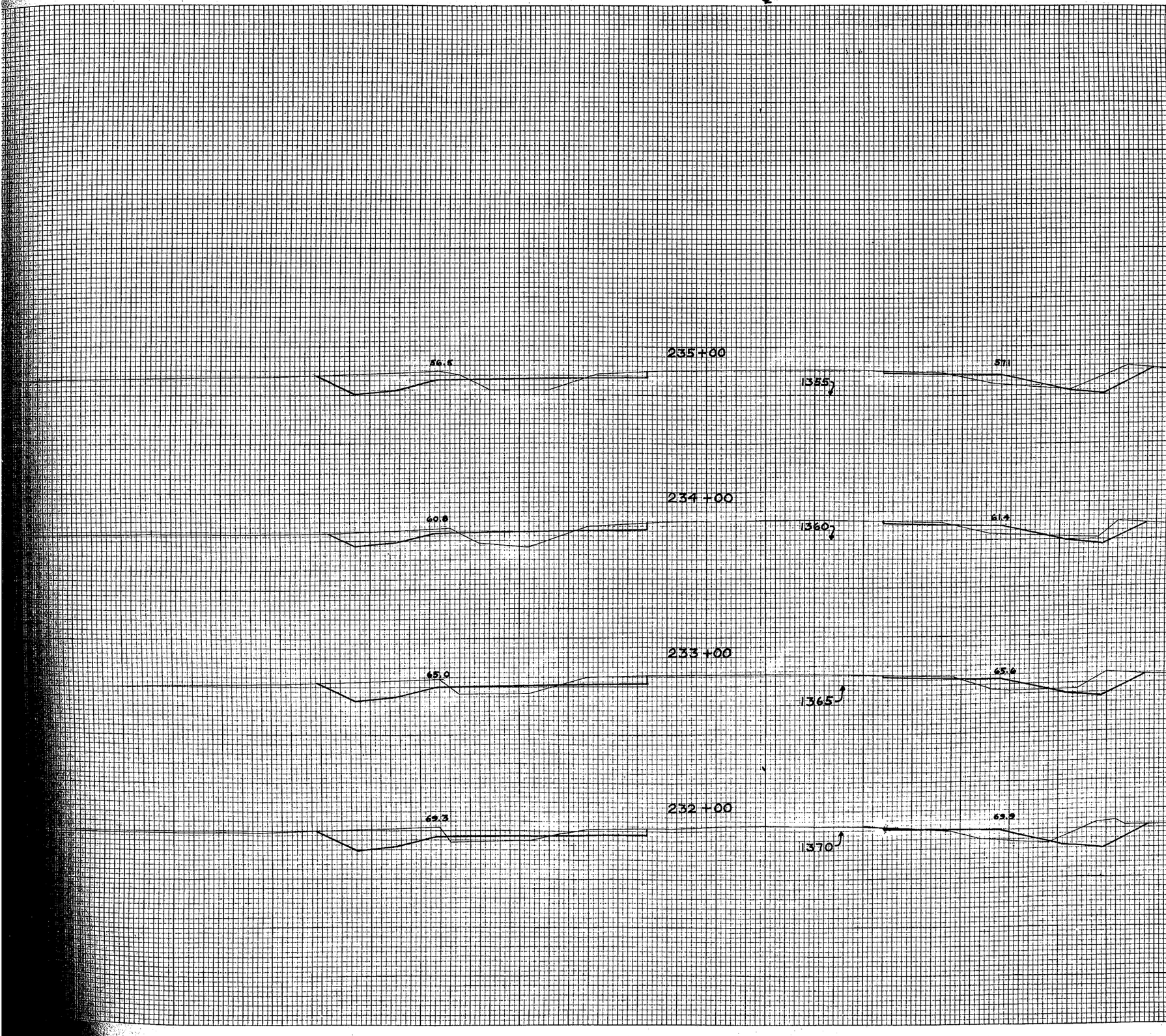
P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	41	101



STATION	DISTANCE	UNC	YARDAGE EXCAVATION	YARDAGE FILL
227				
228	59			6
229	39			20
230	39			20
231	50			4
232	81			0

℄

P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	42	101



STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
232			56
		143	
233			53
		115	
234			63
		107	
235			

SHEET TOTAL	365	178

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F 05-3(21)	43	101

℄

242+00

1325

24.4

241+00

1330

31.4

240+00

1335

35.3

35.9

239+00

1340

39.5

40.1

238+00

1345

43.8

44.4

237+00

1350

46.0

46.6

236+00

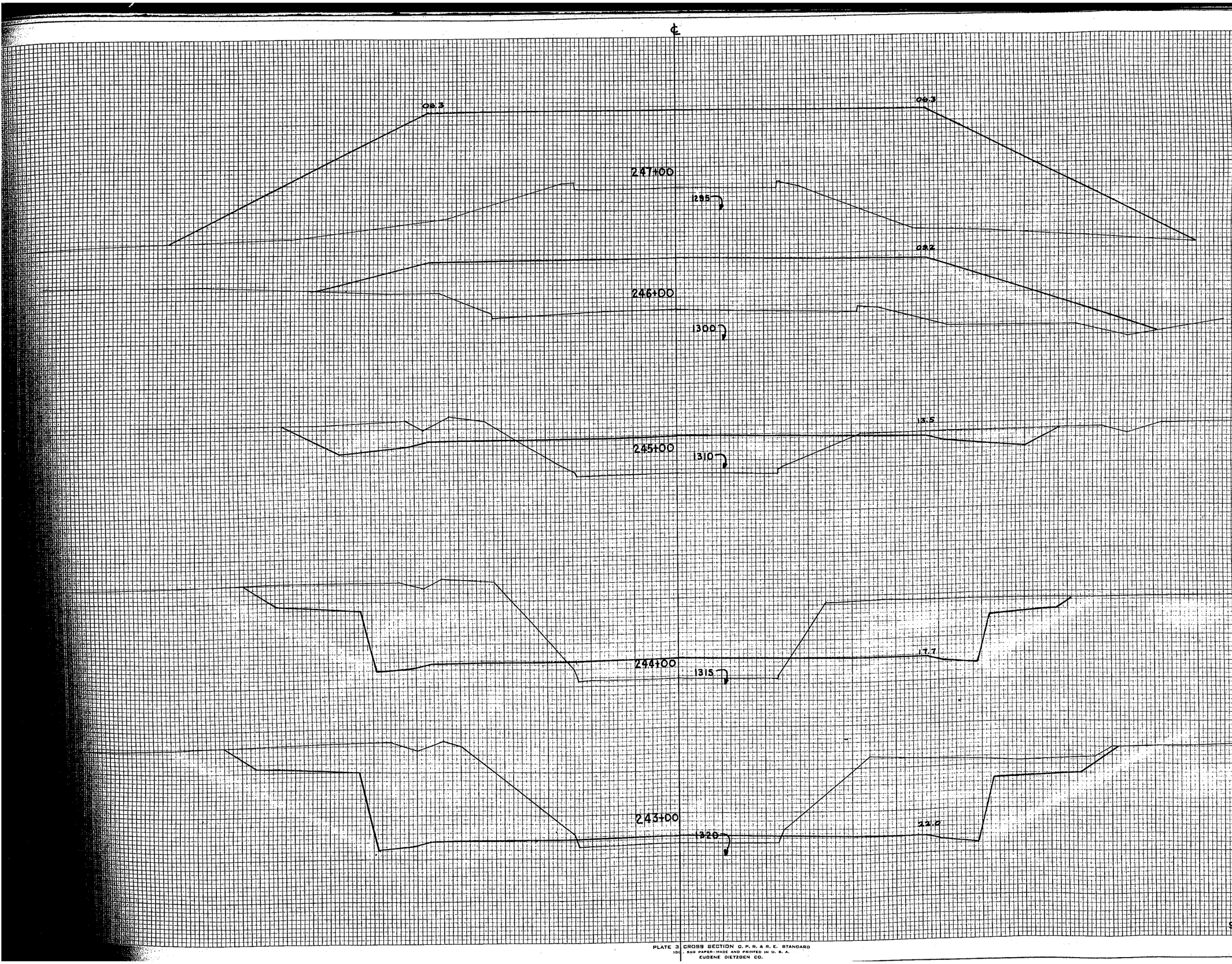
1350

52.3

52.9

STATION	DISTANCE	YARDAGE EXCAVATION UNC	FILL
235		122	72
236		128	69
237		119	63
238		220	39
239		61	2
240		293	0
241		170	0
242			

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	44	101



STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION EL	YARDAGE EMBANKMENT
247		0	167	2687
246		841	1038	346
245		1478	1963	137
244		1963	55	
243				
SHEET TOTAL		4143	3303	3170

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	45	101

YARDAGE

STATION	DISTANCE	EXCAVATION U.N.C.	EXCAVATION	FILL
249	247	0		5234
248	247	0		7524
+34				3030

249+34

1290

04.7

72"X72"X43'-3" CONC. BOX CULV. EXT.

INL. 751.1

72"X72"X68' CONC. BOX CULV. IN PLACE

72"X72"X44' CONC. BOX CULV. EXT.

DIS. 751.1

04.5

249+00

1290

04.8

248+00

1290

SHEET TOTAL 0 15708

PLATE 3 | CROSS SECTION O. P. R. & R. E. STANDARD

100 RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NO.	TOTAL SHEETS
WIS. 5N	F05-3(21)	46	110(1)

YARDAGE
EXCAVATION

STATION	DISTANCE	U.N.C.
250+15	1290	05.7
250+00	1290	05.4
249+74	1290	05.1

SHEET TOTAL 0

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	47	101

STATION	DISTANCE	ELEV.	YARDAGE EXCAVATION	FILL
254			0	0
253			0	0
252			0	0
251			0	0
250+15				

254+00
1310
220.0

253+00
1300
15.7

252+00
1295
11.4
97.6

251+00
1290

SHEET TOTAL 0 0

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD

B.P.R. DISTRICT OFFICE	PROJECT NO.	SHEET NO.
WIS. 5N	F05-3(21)	6B

℄

259+50

43.8 345.7 43.4

259+00

41.4 340 41.3

258+00

32.1 36.2 335 37.0 36.1

257+00

30.8 330 32.8 30.0

256+00

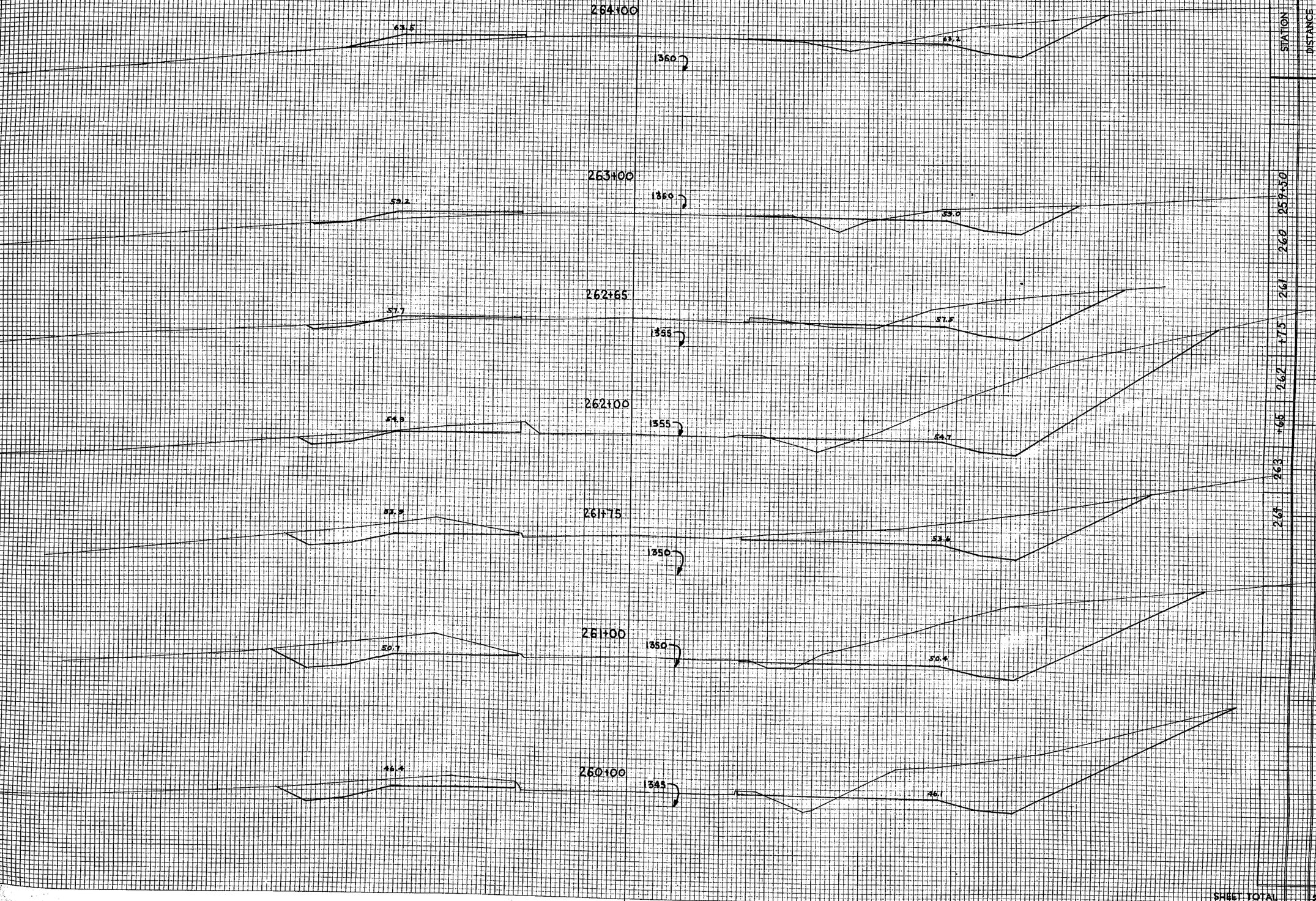
25.1 320 28.5 24.0

255+00

315 24.5 18.0

| STATION | DISTANCE | YARDAGE EXCAVATION UNC | | |

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	49	101

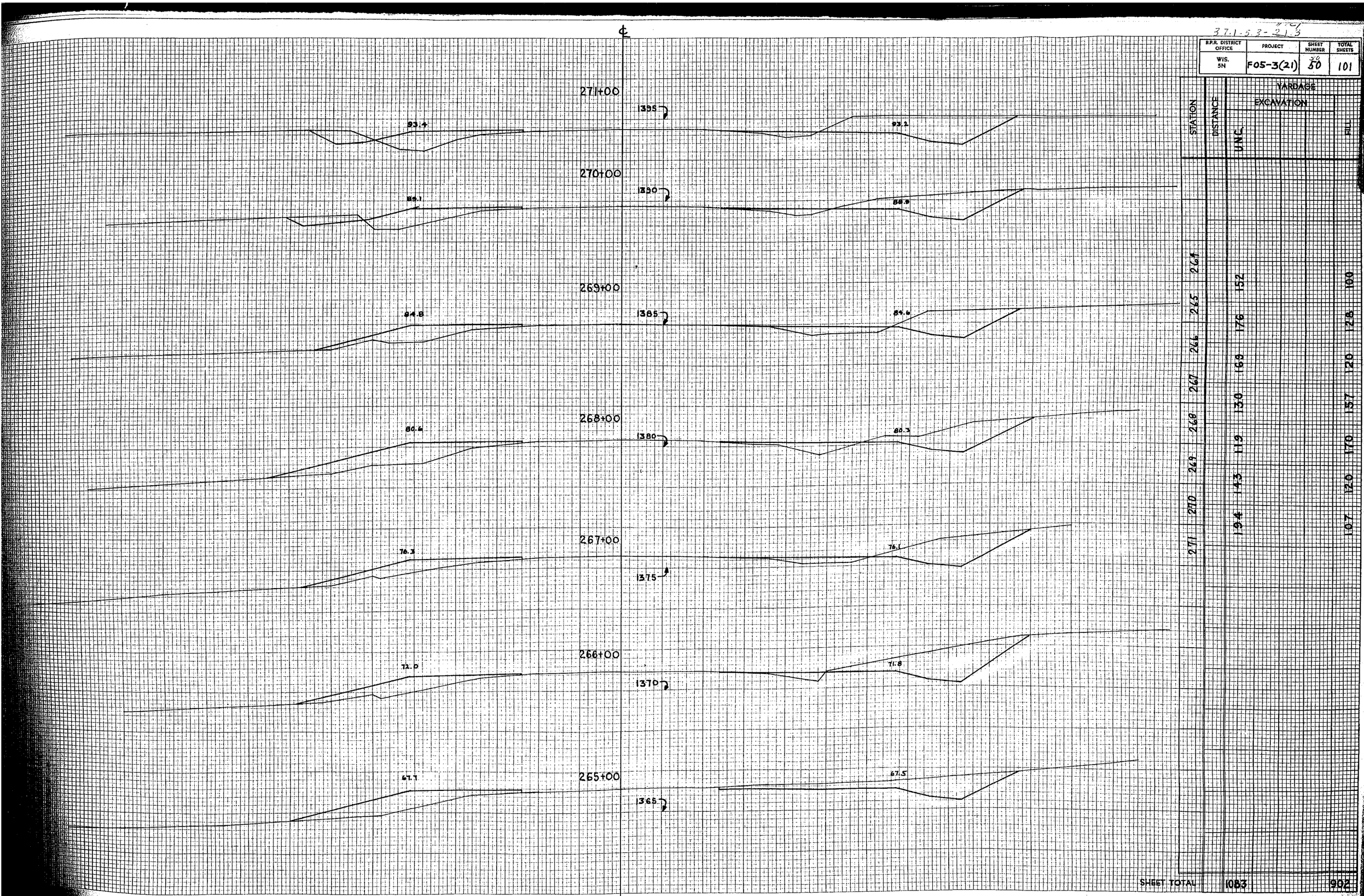


STATION	DISTANCE	YARDAGE EXCAVATION C.Y.C.	
259+50			
260	254		9
261	698		27
+75	20		2
262	450		4
+65	283		17
263	131		8
	61		4
	28		2
	135		8
	RE 45		2
	RE 45		2
		SHEET TOTAL	2032

PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.

37.1-53-21 3

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	50	101



STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
264			100
265	152		128
266	176		120
267	169		157
268	130	119	170
269	145	113	120
270	194	107	120
271			
SHEET TOTAL	1083		992

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	51	101

℄

10A+50 1405

S.R.LT. 277+87 = 10A+00

277+00 1405 04.1

276+00 1405 04.5

275+00 1405 04.0

274+00 1400 02.7

273+00 1400 00.5

272+00 1395 97.2

STATION	DISTANCE	YARDAGE EXCAVATION U.N.C.	YARDAGE EXCAVATION FILL
271			
272	183		85
273	189		59
274	233		43
275	243		28
276	200		54
277	119		130

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	52	101

℄

282+00

1385

87.9

281+00

1395

93.2

280+00

1400

97.5

279+00

1400

00.5

278+00

1400

02.6

S.R.LT. 12A+00

1400

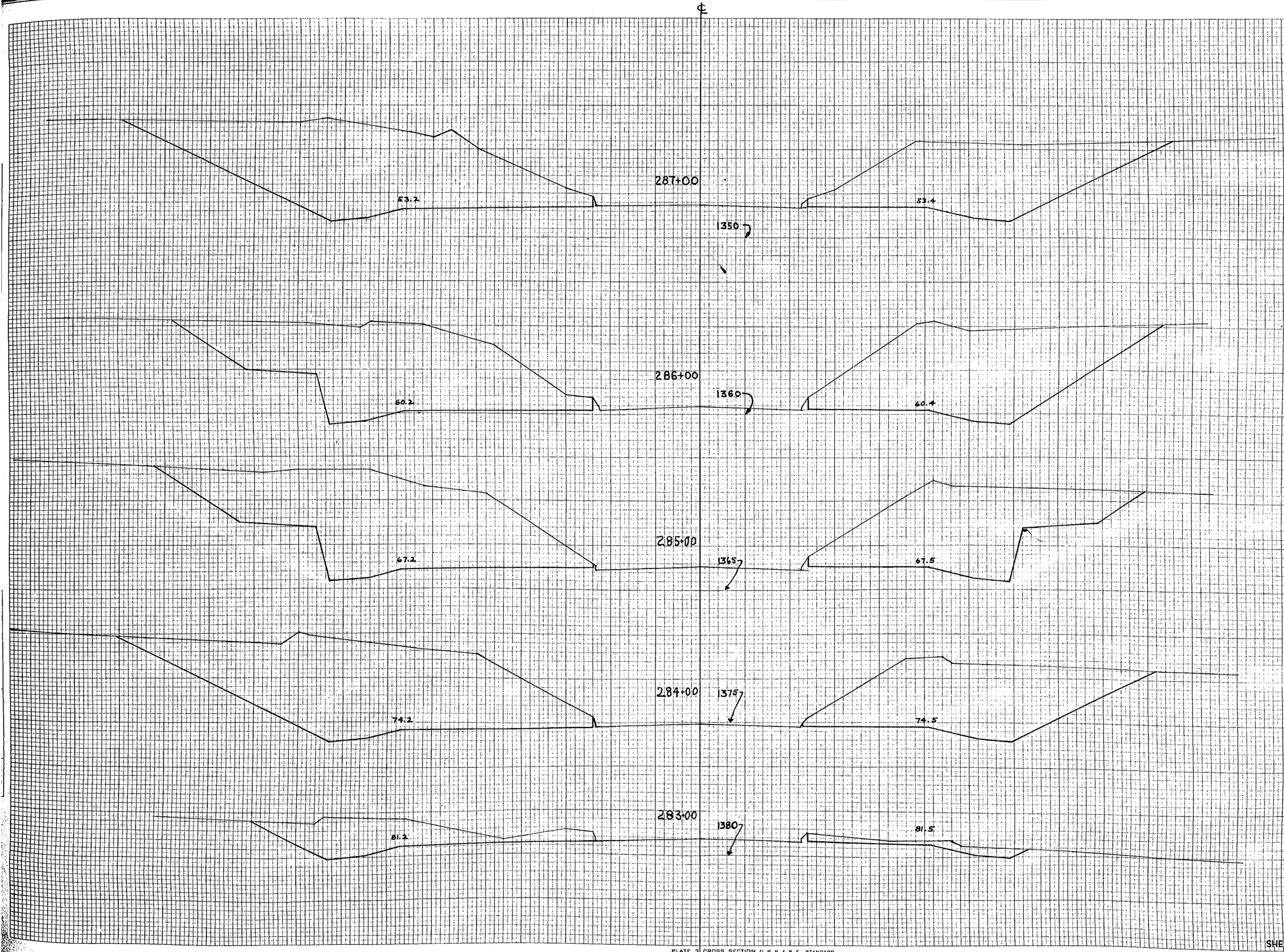
S.R.LT. 11A+00

1405

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
282	543	26	76
281	293	143	PT. 60 202 200
280	144	69	25
279	69		
278			
277			
276			
275			
SHEET TOTAL	1134		727

PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
100 LBS RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	53	101



STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
287			
	1350		
286			
	1360		
285			
	1368		
284			
	1378		
283			
	1380		
282			
	553		0
281			
	1231		0
280			
	2060		0
279			
	2071		0
278			
	2072		0
SHEET TOTAL		7987	0

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	54	1101

℄

293+00 1310 11.1 11.3

292+00 1320 19.1 18.4

291+00 1325 25.1 25.4

290+00 1330 32.2 32.4

289+00 1340 38.2 38.4

288+00 1345 46.2 46.4

STATION	DISTANCE	YARDAGE EXCAVATION		
		UNC.		
287	288	1885	0	0
288	289	1600	0	0
289	290	1460	0	0
290	291	1220	0	0
291	292	681	0	0
292	293	293	0	0
293				

SHEET TOTAL 7157

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	56	101

306+00

1295

93.7

305+00

1285

88.8

304+00

1280

85.4

303+00

1280

83.3

78.0

301+00

1280

81.8

78.0

300+00

1280

81.8

78.0

| STATION | DISTANCE | UNC. | EXCAVATION | | |

B.P.R. DISTRICT OFFICE

WIS. 5N

FOR 36 CM

EXCAVATION

STATION

DISTANCE

LINK

313+00

1345

42.6

42.9

312+00

1335

35.6

36.0

311+00

1330

28.5

27.9

310+00

1320

21.5

20.9

309+00

1315

14.5

13.9

308+00

1310

07.5

06.9

307+00

1300

00.5

99.9

306

185

307

783

308

1507

309

1443

310

2.86

311

312

100.6

313

SHEET TOTAL 741.2

PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	58	101

318+00
1380
77.7
77.1

317+80
1375
76.3
75.7

317+78
1375
76.2
75.6

317+00
1370
70.7
70.1

316+00
1365
63.6
63.0

315+00
1355
56.6
56.0

314+00
1350
49.6
49.0

STATION	DISTANCE	YARDAGE EXCAVATION UNC	FILL
317	31.3	230	4R PE 15
31.4	31.5	62.0	PE 15
31.5	31.6	1069	0
31.6	317	1170	0
317	+77	24	2
+80	+80	2	2
318		72	54
		24	15
			2
			PE 4
SHEET TOTAL		3187	144

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(20)	5-1	11-1

℄

325+00 1410 12.2 11.6

324+00 1410 09.8 08.2

323+00 1405 04.8 04.2

322+00 1400 00.4 99.8

321+00 1395 95.5 94.9

320+00 1390 90.1 89.5

319+00 1385 84.1 83.6

STATION	DISTANCE	UNC	YARDAGE EXCAVATION
318			
319	420		
320	294		
321	280		
322	138		
323	109		
324	130		
325			

SHEET TOTAL 16

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-32(1)	160	

℄

332+00 1415 16.0 13.9

331+00 1415 15.9 11.0 14.2

330+00 1415 15.8 14.0 15.7 14.5

329+00 1415 16.5 13.0 16.2 14.6

328+00 1415 14.7 14.1

327+00 1415 16.0 15.4

326+00 1415 14.7 14.1

STATION	DISTANCE	TANGENT EXCAVATION	CUT	FILL
325	182			
326	248			
327	219			
328	111			
329	50			
330	22			
331	50			
332	228			
	50			
	228			
	50			
	228			
	50			

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	61	101

℄

338+00
1415.7
15.6

337+00
1415.7
16.5
14.6

336+00
1415.7
16.4
14.0
13.0
16.3
12.9

335+15
1-30' X 96' C.P. REQ'D.
DISC. 08.8
INL. 12.5
10.5

335+00
1415.7
16.3
13.0
11.3

334+00
1415.7
16.2
13.3
12.

333+00
1415.7
16.1
13.6
12.

STATION	DISTANCE	YARDAGE EXCAVATION UNC.		FILL	
332					
333	11			805	
334	13			1004	
335	19			1157	
336	117			1859	PE 60
337	2.0			776	
338	52			396	

B.P.R. DISTRICT OFFICE	PROJECT	
WIS. 5N	F05-3(21) C2	1021

℄

345+00
1410.7
14.9

344+00
1415.2
14.2

343+00
1416.7
17.1
09.0

342+00
1415.7
17.6
12.0

341+00
1415.7
17.3
13.7

340+00
1415.7
17.8

339+00
1415.7
17.5

STATION	DISTANCE	UNC	EXCAVATION
338			
339		120	46
340		161	25
341		194	65
342		213	PE 35
343		113	203
344		17	348
345		0	1835

YARDAGE

PLATE 3 | CROSS SECTION D. P. R. & R. E. STANDARD

SHEET TOTAL 818 4114

B.P.R. DISTRICT OFFICE	PROJECT
WIS. 5N	F05-3(2)

℄

350+00 1425.7 28.2

349+00 1425.7 22.5 25.0 21.9

348+00 1420.7 22.4

347+00 1415.7 20.3

346+00 1410.7 18.7

345+26 1410.7 16.0

96"X72"X269' CONC. BOX CULV. EXT.
BIS. 400.9

96"X72"X46' CONC. BOX CULV. IN PLACE

96"X72"X25' CONC. BOX CULV. EXT.
INL. 403.3

STATION	DISTANCE	LNG.
345	+26	0
346		0
347		0
348		0
349		0
350		0

EARTH EXCAVATION

43 52 382 1092 1936 2287 2807

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	64	101

℄

110+00

1453

357+18 S.R. RT.

356+00

45.8

1445

48.3

355+00

1445

42.9

45.8

354+00

1440

40.0

43.3

353+00

1440

46.8

352+00

1440

37.5

351+00

1435

33.1

STATION	DISTANCE	YARDAGE EXCAVATION UNC.		
350				
357	219			104
352	317		83	
353	319		87	
354	226		100	
355	180		106	
356	170		109	
		PIT 30		
SHEET TOTAL		1431	619	

PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
100% RAG PAPER - MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

℄

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	SHEETS
WIS. 5N	F05-3(21)	65	110

363+00

470

68.6

362+00

465

63.2

63.8

361+00

460

59.0

61.1

360+00

455

55.8

56.6

359+00

455

52.5

55.9

358+00

455

51.0

53.3

357+00

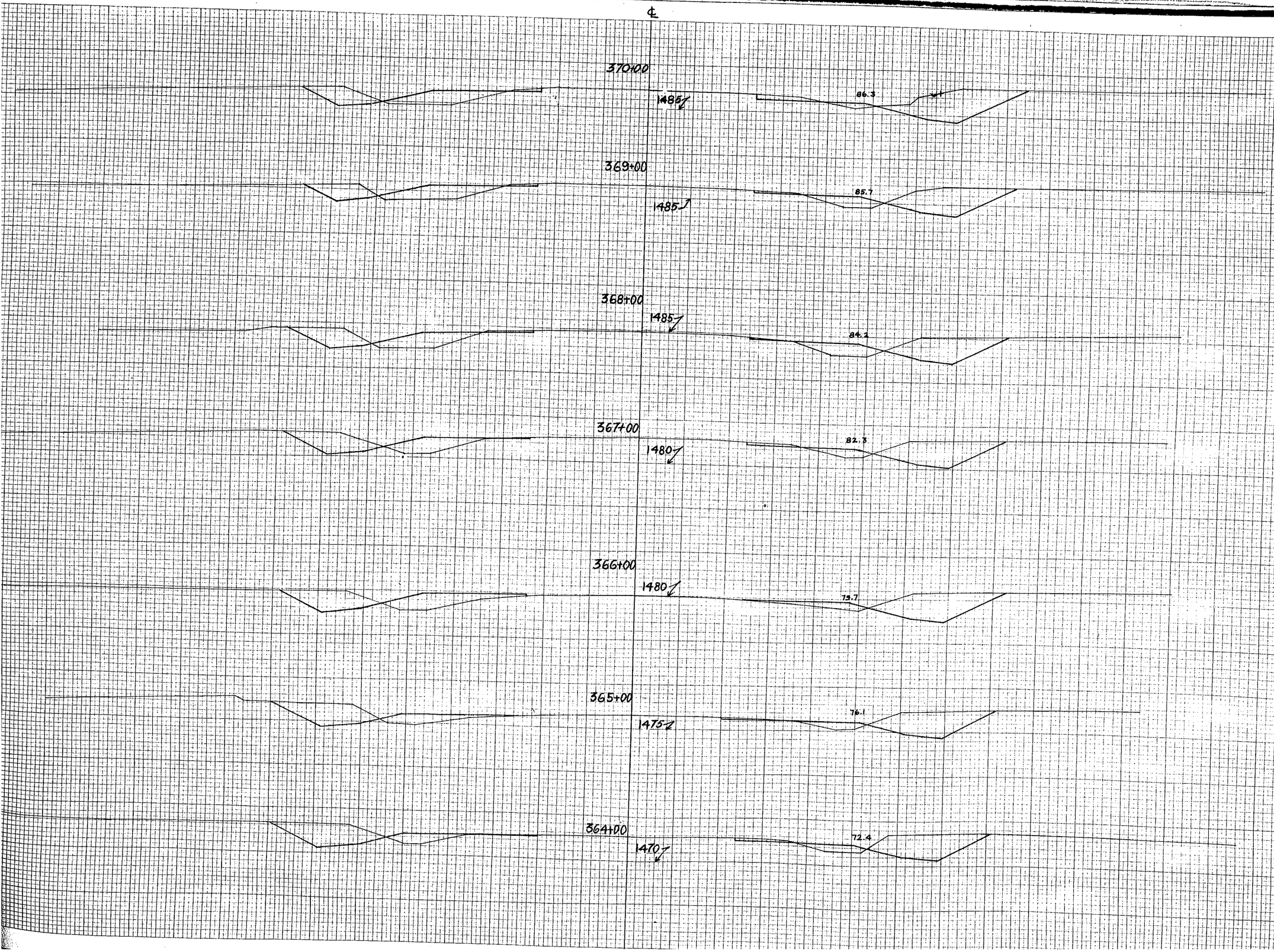
450

48.7

50.8

STATION	DISTANCE	UNC.	EXCAVATION	GARBAGE
356		139		
357		113		
358		106		
359		66		
360		57		
361		65		
362		57		
363		109		

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. SN	F05-3(21)	66	101



STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION ROCK
363	119	176	49
364	170	123	74
365	176	153	65
366	123	150	78
367	153	141	83
368	150		
369	141		
370			

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	67	101

℄

376+37

1480 7

85.6

72"X48"X16' CONC. BOX CULV. EXT.

72"X48"X36' CONC. BOX CULV. IN. PLACE

72" X 48" X 15'-6" CONC. BOX CULV. EXT.

DIS. 78.4

INL. 78.9

376+00

1480 7

85.4

375+00

1485 7

85.5

374+00

1485 7

85.5

373+00

1485 7

85.4

372+00

1485 7

84.5

371+00

1485 7

84.4

YARDAGE

STATION	DISTANCE	EXCAVATION UNC	FILL
370			
371	130		82
372	115		96
373	87		141
374	35		304
375	0		581
376	0		774
+37	0		38
SHEET TOTAL	383		2276

PLATE 2 CROSS SECTION B & B & B & F STANDARD

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. SN	F05-3(21)	68	101

383+00
1495↓
94.8

382+00
1490↓
92.0

381+00
1490↓
89.7

380+00
1490↓
88.0

379+00
1485↓
86.8
85.0

378+00
1485↓
84.0

377+00
1485↓
85.7

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
383	72	0	0
382	57	0	0
381	48	0	0
380	26	0	0
379	224	0	0
378	115	0	0
377	83	0	0
376+37	62	0	0
377	394	596	588

PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
100 % RAG PAPER-MADE AND PRINTED IN U. S. A.

SHEET TOTAL

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	69	101

℄

385+00

1500 ↙

384+00

1495 ↘

12E+00

1500 ↗

11E+00

1500 ↗

8E+00

1495 ↘

9E+00

1500 ↘

383+64 = 10E+00 SIDE ROAD

1500 ↙

STA. 10E+56
1-50"x31"x56' C.M.P.A. REQ'D.
SKEW 20° L.H.F.
INL. 95.7
DIS. 94.1

STATION	DISTANCE	YARDAGE EXCAVATION		FILL
		UNC.		
383			82	74
384		61		52
385				

SHEET TOTAL 173 | 126

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	70	101

392+00
1510
12.1

391+00
1510
12.3

390+00
1510
11.9

389+00
1510
11.0

388+00
1510
09.6

387+00
1510
07.6

386+00
1505
05.0

STATION	DISTANCE	YARDAGE EXCAVATION				
		CU.C.				
392		43	69	122	1077	
391						
390		78	85	80	97	
389		61	91	72	80	
388		91	198	70	57	
387		198	87			
386		87				
385						

SHEET TOTAL 529 591

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	7/	101

400+00
1495
94.8

399+00
1495
96.6

398+00
1500
00.1

397+00
1505
05.7

396+00
1505
06.5

395+00
1510
08.9

394+00
1510
10.3

393+00
1510
11.5

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
392	41	128	
393	44	150	
394	74	106	
395	144	67	
396	211	39	
397	256	35	
398	245	49	
399	243	71	
400	128	49	
	SHEET TOTAL	1135	624

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100' MAX. RISE

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	72	101

406+00

500 ℄

90.6

405+00

495 ℄

97.8

404+00

495 ℄

94.9

403+00

495 ℄

93.0

402+00

490 ℄

92.2

401+08

490 ℄

92.0

48"X30"X42' CONC. BOX CULV. IN PLACE

DIS. 87.8

50"X31"X14' C.M.P.A. EXT.

INL. 88.6

50"X13"X12' C.M.P.A. EXT.

401+00

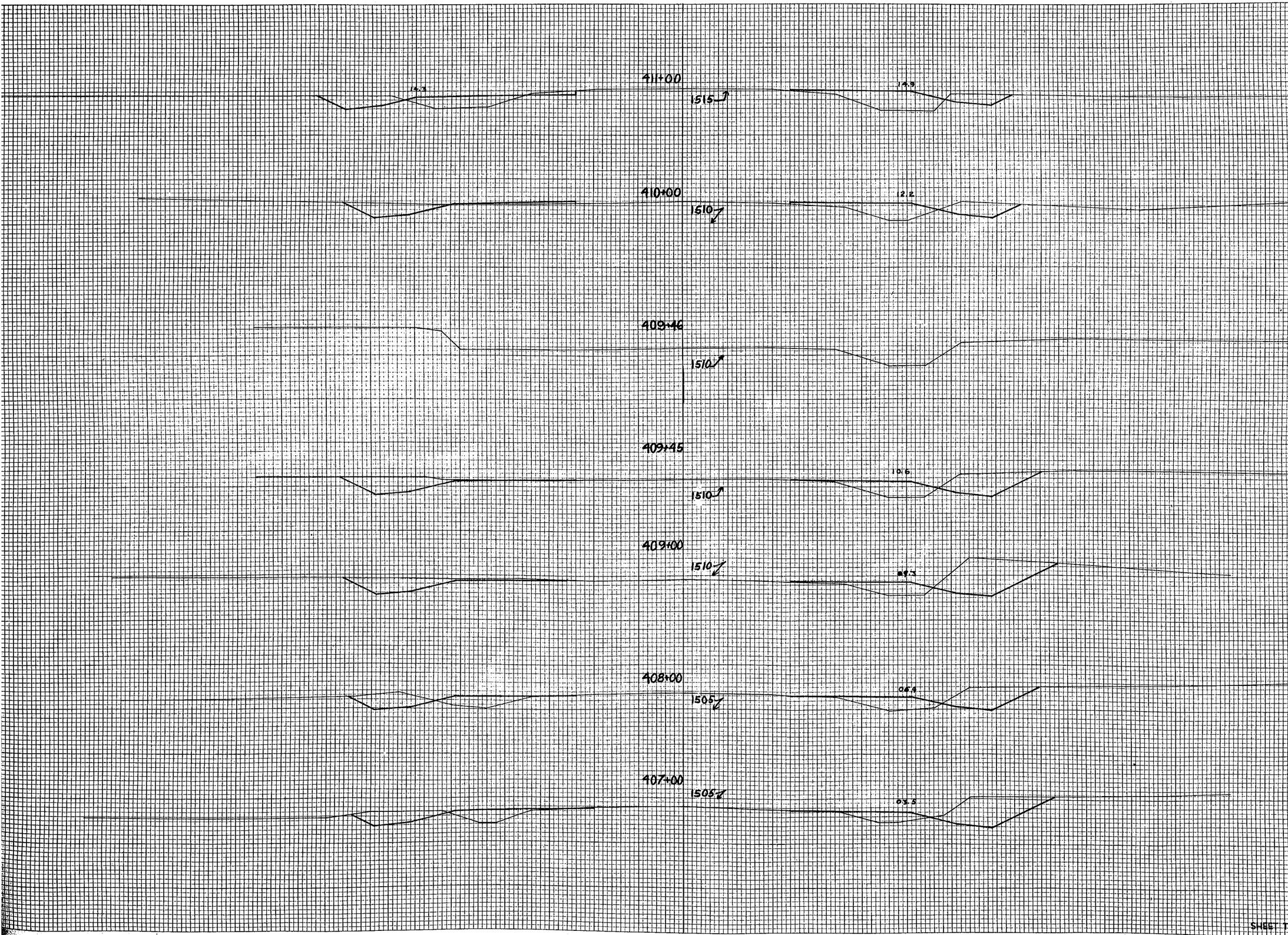
490 ℄

92.1

STATION	DISTANCE	YARDAGE EXCAVATION UNC	FILL
406	150		87
405	119		89
404	103		70
403	104		89
402	102	43	80
401	101	6	182
+08	106	22	206
SHEET TOTAL		409	714

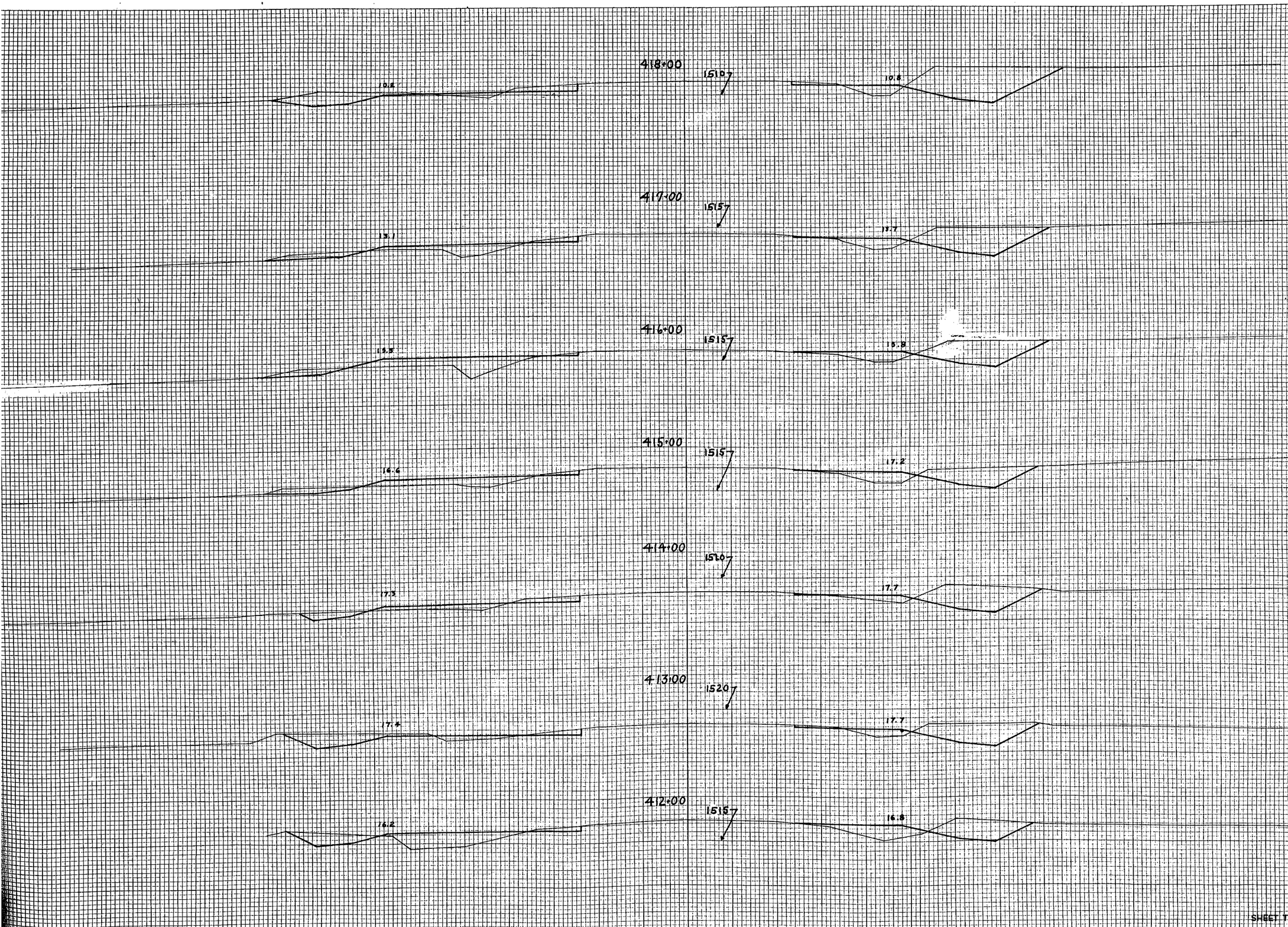
PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
100 : RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	73	101



STATION	DISTANCE	YARDAGE EXCAVATION UNC	FILL
411			
	55		35
410		74	
	100		100
409		71	22
	148		83
408		124	74
	155		70
407			
SHEET TOTAL	608	269	384

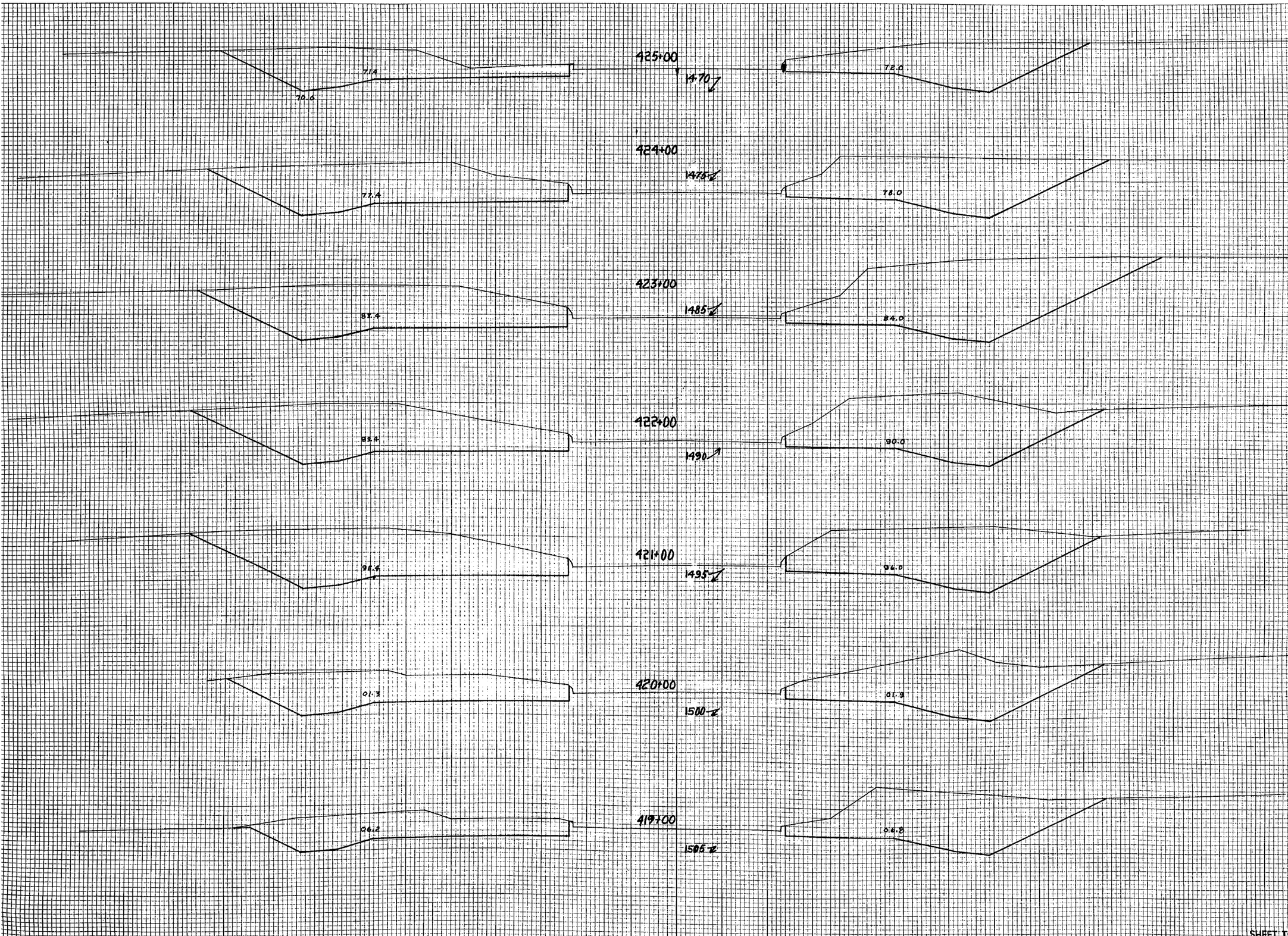
B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F 05-3(21)	74	101



STATION	DISTANCE	YARDAGE EXCAVATION	FILL
418	194	52	96
417	152	96	104
416	107	104	82
415	115	82	67
414	157	41	80
413	124	80	128
412	87	128	67
411			
SHEET TOTAL	896	603	

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	75	101



STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
418	543	885	17
419			
420	1087	257	0
421			
422	1343	252	0
423			
424	1252	951	0
425			
SHEET TOTAL	7298		17

PLATE 3 CROSS SECTION U. P. R. & R. E. STANDARD

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	76	101

STATION	DISTANCE	UNC.	EXCAVATION	RL
425	509			6
426	282			74
427	120			128
428	159		93	
429	311		0	
430	415			9
431	354			6
432				
SHEET TOTAL	2070			280

YARDAGE

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F.05-3(21)	77	101

"VOID" "VOID"

SR Rt 436+55 = 10F"+00

436+00

1430

24.1

435+33

28.6

1430

48"X56"X36'-6" CONC. BOX CULV. IN PLACE

INL. 26.3

58"X36"X9' C.M.P.A. EXT.

DIS. 25.3

58"X36"X10' C.M.P.A. EXT.

435+00

29.5

1430

434+00

31.0

1430

27.5

433+00

1435

32.9

30.2

STATION	DISTANCE	UNIT	YARDAGE EXCAVATION	YARDAGE FILL
432		183		17
433		70		89
434		28		143
435		6		35
+33		69		80
436				89
SHEET TOTAL		396		463

PLATE 3 | CROSS SECTION O. P. R. & R. E. STANDARD

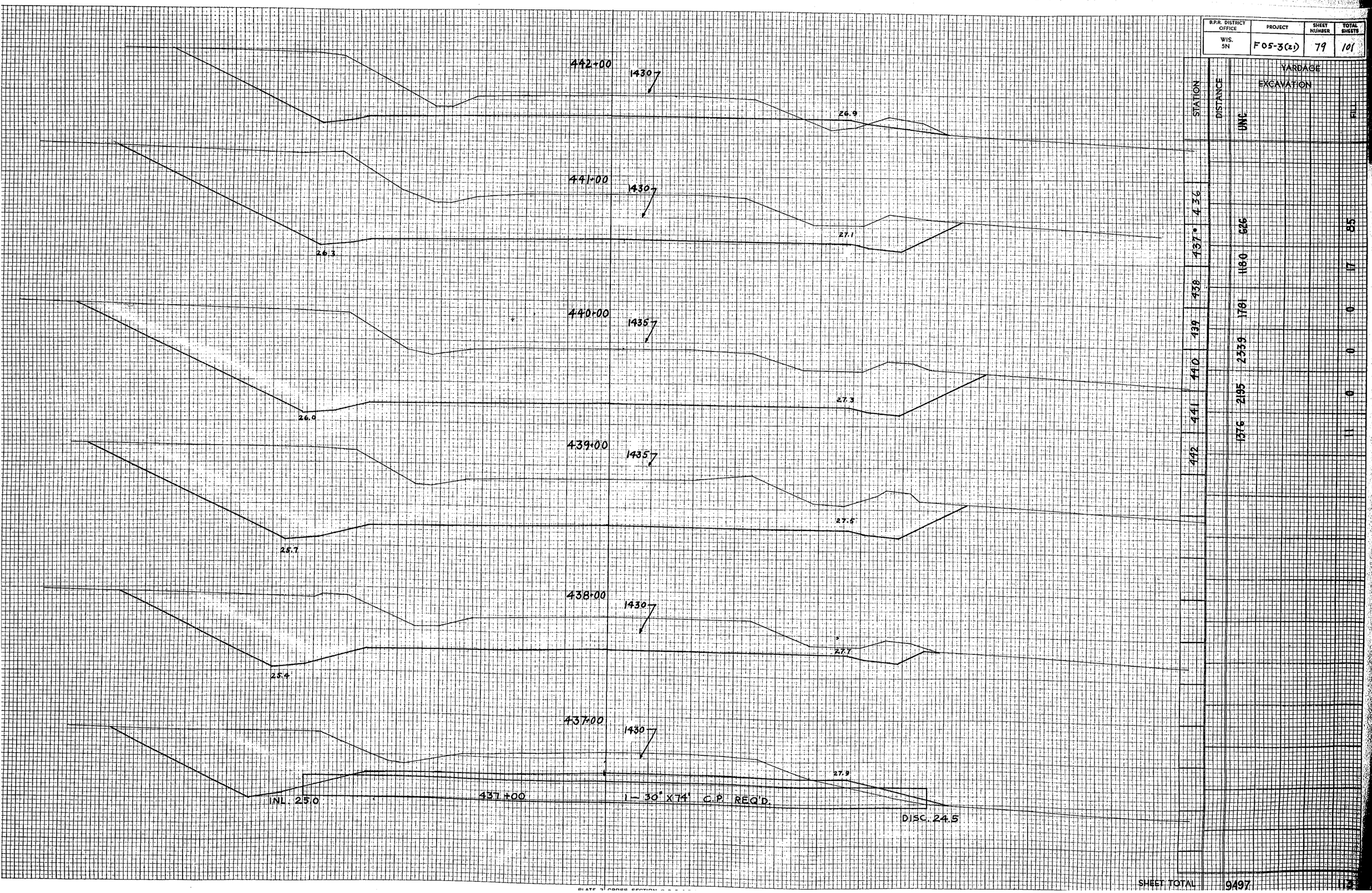
B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	78	101

STATION	DISTANCE	YARDAGE EXCAVATION	YARDAGE FILL
12F+00			
		1420	
11F+00			
		1425	
10F+50			
		1425	
9F+50			
		1430	
9F+00			
		1435	
8F+00			
		1435	

SHEET TOTAL

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100 % RAG PAPER - MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	79	101



STATION	DISTANCE	YARDAGE EXCAVATION	YARDAGE FILL
UNC			
436	526		85
437+	1180		17
438	1781		0
439	2339		0
440	2195		0
441	1376		0
442			

SHEET TOTAL 9497 11

PLATE 3 CROSS SECTION

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	80	101

446+78

1452

INL. 12.0

446+78 1-48" X 116' C.P. REQD.

26.2

DISC. 06.6

446+00

1415

445+35

1415

24.4

445+00

1415

26.6

444+00

1420

26.7

443+00

1425

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
442			
443		530	RE 45 235
444		87	RE 45 1092
445		0	2121
446		0	3519
+7.8		0	3574
SHEET TOTAL		617	9541

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	81	101

℄

452+00
1425
24.2
25.0

451+00
1425
24.7
25.2

450+00
1420
25.0
25.4

449+00
1420.7
25.6
25.8

448+00
1415.7
26.0

447+00
1415.7

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
452	100	0	1009
451	100	0	3782
450	100	0	2524
449	100	6	1599
448	100	0	587
447	52	65	178
		71	

SHEET TOTAL 82

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	82	101

458+00
142.0'
6.6

457+00
142.5'
18.5

456+00
142.5'
20.8

455+00
142.5'
22.3

454+00
142.5'
23.6

453+00
142.5'
24.4

STATION	DISTANCE	UNC	EXCAVATION	FILL
452	226			52
453	500			6
454	861			0
455	1241			0
456	PE 20			0
457	1570			0
458	1870			0

SHEET TOTAL 6208 60

PLATE 3 CROSS SECTION U. P. R. & R. E. STANDARD
100: RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	83	101

465+00
1385
89.9

464+00
1395
94.1

463+00
1400
98.9

462+00
1405
93.3

461+00
1410
97.2

460+00
1415
100.8

459+00
1420
113.9

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION	YARDAGE FILL
458	1659	2076	2226	2135
459	1094			
460	496			0
461	89			0
462	343			0
463	74			0
464	417			0
465				0
SHEET TOTAL	9775			

PLATE 3 CROSS SECTION P.P.P.F.P.E. STANDARD

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	84	101

471+00

1370

79.0

470+00

1370

79.2

469+14

1370

80.0

60'

1375

469+00

STA. 468+95 1-60° X 104' C.P. REQ'D. SKEW 18° R.H.F.

67.4 INL. 67.3 DISC. 66.0

468+00

1375

85.0

467+00

1375

85.5

466+00

1380

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
465			1802
466		0	
467		0	2785
468		0	3611
469		33	
+14		6	4423
470		0	
471		0	2633
		0	2669
SHEET TOTAL		39	14554

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	85	101

478+00
1390
84.2

477+00
1390
84.2

1390
476+00
83.3

475+00
1385
81.3

474+00
1380
81.3

475+00
1380
80.2

79.5
472+00
1375

STATION	DISTANCE	UNC. EXCAVATION	FILL
471	0		
472	43		PE 100 2458
473	254		HSG 417
474	465	4	PE 20 100
475	676	0	
476	1339		
477	1236	0	
478			
SHEET TOTAL		3541	3858

P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F 05-3(21)	86	101

STATION	DISTANCE	YARDAGE EXCAVATION UNC	YARDAGE FILL
486	478	133	0
485	478	248	0
484	480	350	0
483	481	456	30
482	482	103	122
483	15	4	292
484	485	9	189
485	486	157	
486			
SHEET TOTAL		1178	760

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	B7	101

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	ROCK
489	488		
488	487	639	2
487	486	283	46
		50	122

10 G+~~00~~ 50
1390

9G+30
1395

9G+00
1395

S.R. Left ~~1+89~~ 4+43 = 10 G+00
8G+00 489
1396

489+00
1395
92.1

488+00
1395
93.0

487+00
1390
94.2

PLATE 3 CROSS SECTION

SHEET TOTAL 972 176

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	88	101

℄

494+00
1380
75.8

493+00
1380
83.6

492+00
1385
86.0

491+00
1390
88.8

490+00
1390
90.8

489+00
1385
88.6

488+00
1390

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
489			
490	846		0
491	992		0
492	772		9
493	424		15
494	107		53
SHEET TOTAL	3051		78

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER- MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	89	101

℄

501+00

1350

53.5

500+00

1355

56.9

499+00

1360

60.7

498+00

1365

64.5

497+00

1370

68.3

496+00

1370

72.2

495+00

1376

74.0

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE FILL
494			
	57		85
495			
	194		44
496			
	298		20
497			
	243		28
498			
	187		35
499			
	306		26
500			
	426		24
501			

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	90	101

℄

507+93

1330 ↓

1-36"x84' C.P. REQ'D.

DISC. 27.6

36.6

38.0

INL. 29.3

507+00

1330 ↓

39.7

506+00

1330 ↓

505+00

1340 ↓

41.7

504+00

1340 ↓

41.0

503+00

1345 ↓

46.5

502+00

1350 ↑

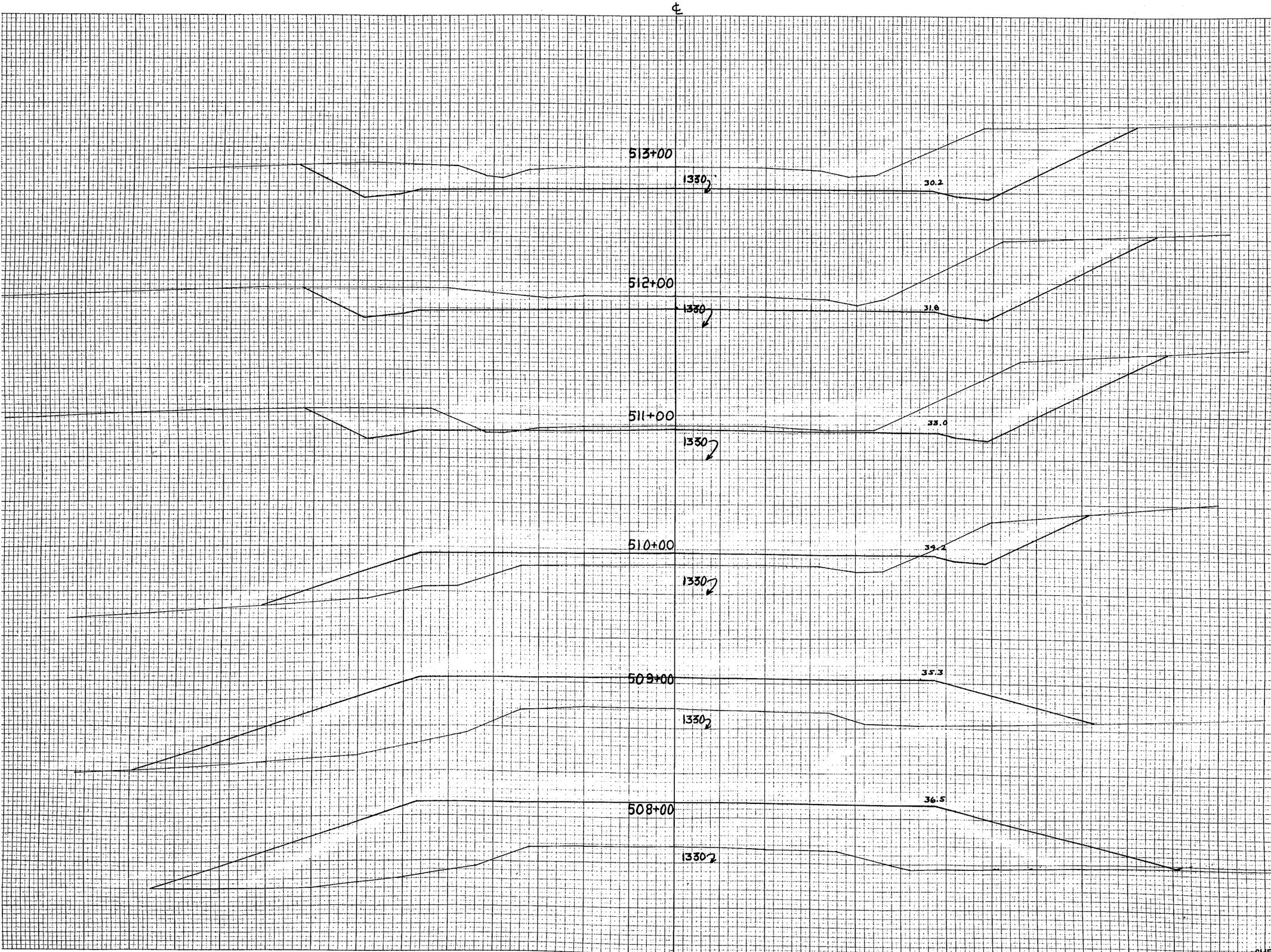
49.7

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	CUM.
501			
502	376		376
503	224		600
504	61		661
505	0	7	654
506	0	449	205
507	1956	1544	617

SHEET TOTAL 668 5205

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

℄



P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. SN	F05-3(21)	91	101

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
507		0	2065
508		0	1785
509		81	1007
510		424	243
511		793	0
512		957	0
513			
SHEET TOTAL		2255	5100

P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. SN	F05-3(21)	92	101

℄

CULVERT SECTION

7H+57

1300↓

516+01=10H+00 S.RD LT 7H+00

1300↗

516+00

1325↓

26.2

515+60

1325↓

25.8

515+00

1330↓

26.9

514+00

1330↓

28.7

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
513		1056	0
514		974	0
515	160	354	44
516	93		35

P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	93	101

℄

518+00
1320
21.9

517+00
1320
24.1

516+56
24" X 24" X 47'-6" CONC. BOX CULV. 1320 IN PLACE
25.1
INL. 22.7
24"X8' C.P. EXT.
DISC. 154
24" X 22' C.P. EXT.

9H+50
1320

9H+00
1315

8H+00
1305

STATION	DISTANCE	YARDAGE EXCAVATION UNC	FILL
518	289		187
517	56		56
+ 516	78		531

P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	94	101

℄

523+00
1305
09.8

522+65
1305
10.6

522+00
1310
12.0

521+00
1310
15.9

520+00
1316
17.5

519+00
1320
19.7

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
523	+45	41	276
522	113	213	320
521	267	300	154
520	518	337	44
519	519	54	35
518			

SHEET TOTAL 1271 883

P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	95	101

℄

527+34

1290

05.1

527+00

1295

05.5

99.5

526+00

1295

06.3

99.5

525+00

1295

07.8

99.5

524+00

1300

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
523			1287
524		46	945
525		0	2102
526		0	2017
+94		0	
SHEET TOTAL		46	7351

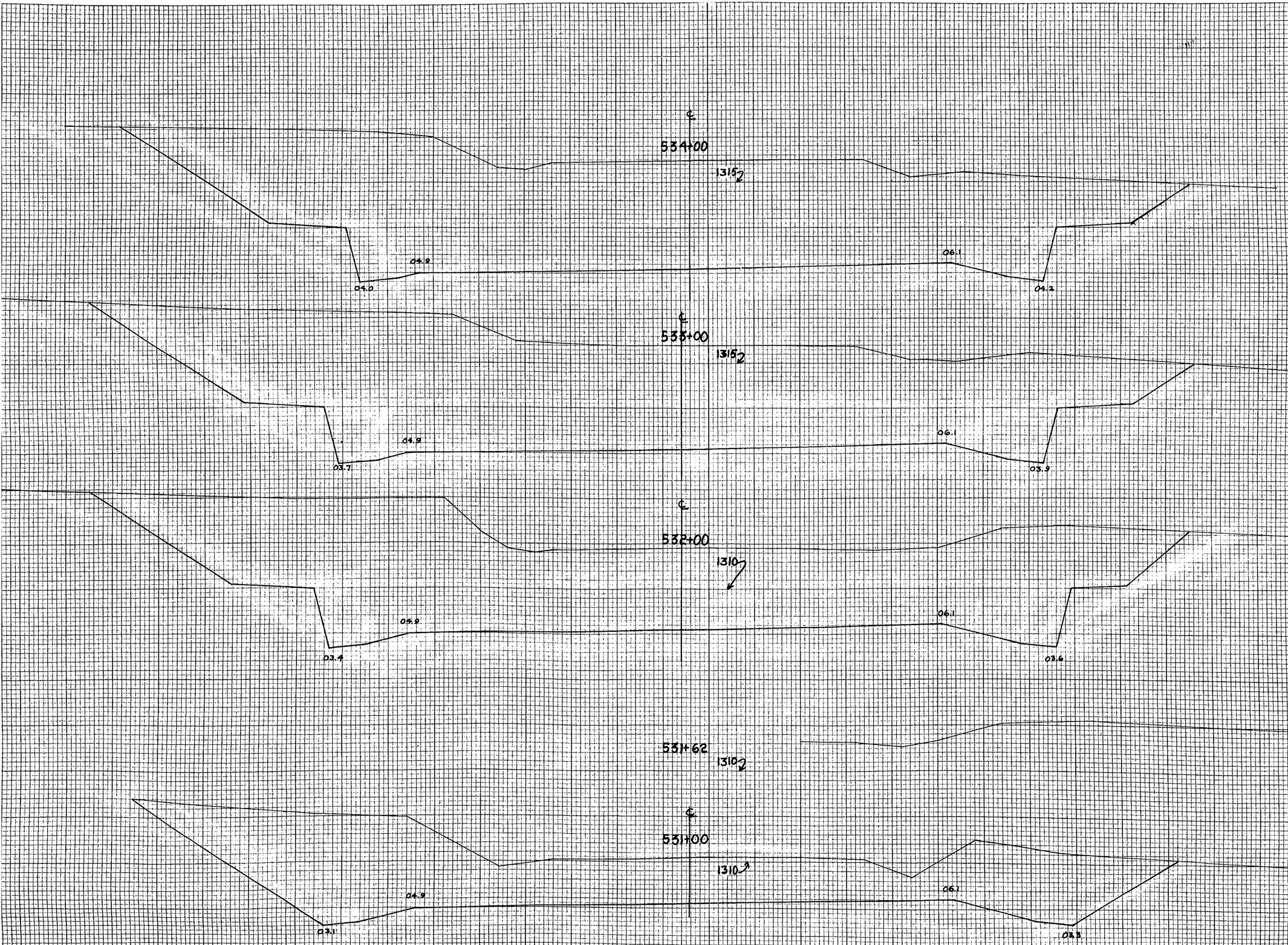
P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. SN	F05-3(21)	96	101

YARDAGE

STATION	DISTANCE	EXCAVATION UNC	EXCAVATION ROCK	EMBANKMENT	UNADJUSTED MASS
527 +94		0	0	0	0
528 +76		0	CH. 500	0	0
529		0	0	417	1611

SHEET TOTAL 500 2028

P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F 05-3(21)	97	101



STATION	DISTANCE	YARDAGE EXCAVATION UNC.	FILL
529	150		SR2200 933
530	1361		189
531	507		0
532	4237		0
533	PE 300 1384 PE 300		0
534			

SHEET TOTA 15805 3322

P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. SN	F05-3(21)	98	101

STATION	DISTANCE	RING	YARDAGE EXCAVATION	FILL
538	60	4128	0	0
537	00	2254	0	0
536	00	2283	0	0
535	00	1278	0	0
534	60	785	222	0

SHEET TOTAL 11928

PLATE B-CROSS SECTION U. P. R. R. E. E. STANDARD

P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F05-3(21)	99	101

℄

05.1

540+31

1300

540+19.5

1300

539+92

1890

PROFILE OF STREAM BED

539+65.5

1300

05.1

539+45

1300

05.1

539+00

02.5

1300

STATION	DISTANCE	YARDAGE EXCAVATION UNC.	YARDAGE EXCAVATION FILL
538+60			
	139	350	160
539			
	52	20	465
540			
	34	0	0
		0	0

SHEET TOTAL 370 645

547+00

1320

23

546+25

1315

546+00

18.5

1310

545+00

14.2

1305

10.8

544+00

1300

08.3

543+00

1300

06.5

542+00

1300

05.9

541+00

1300

STATION

DISTANCE

541

543

542

543

+34

540

0

0

0

0

+91

546

+25

547

SHEET TOTAL

0

P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WFR SN	FOS-3(21)	101	101

STATION	BREAK	YARDAGE EXCAVATION
564+00		
	1915 ℄	
562+85		
562+00		
561+00		
560+00		
559+00		
558+00		
557+00		
556+00		
555+00		
554+00		
553+00		
552+00		
551+00		
550+00		
549+00		
548+00		
547+00		
546+00		
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544+00		
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542+00		
541+00		
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539+00		
538+00		
537+00		
536+00		
535+00		
534+00		
533+00		
532+00		
531+00		
530+00		
529+00		
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330+65 = 10 "C" +00

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304+21 = 10 "B" +00

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SHEET TOTAL