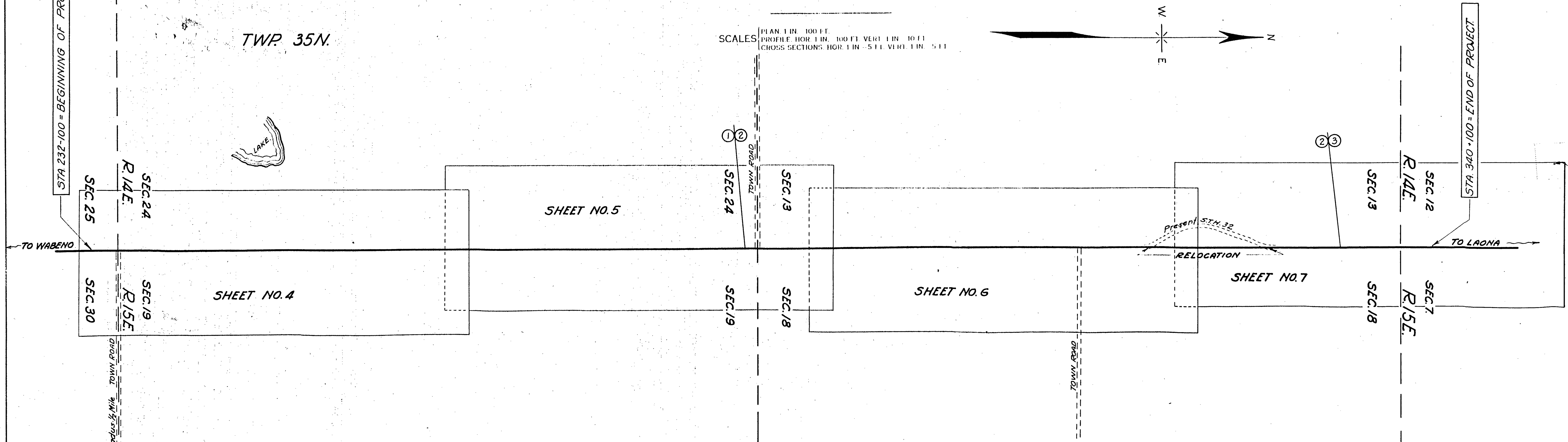


**INDEX OF SHEETS**

SHEET NO.	TITLE	SHEET
2	TYPICAL CROSS SECTION OF IMPROVEMENT & ESTIMATE	
3	RIGHT OF WAY	
4	PLAN AND PROFILE STA. 232+00 TO STA. 262+00	
5	" " " 262+00 " " 292+00	
6	" " " 292+00 " " 322+00	
7	" " " 322+00 " " 340+00	
8-9	DRAINAGE STRUCTURES	
10-22	CROSS SECTIONS	
23-24	GRADE SHEETS	

STATE OF WISCONSIN  
**WISCONSIN HIGHWAY COMMISSION**  
 PLAN AND PROFILE OF PROPOSED  
**WABENO LAONA ROAD**  
 FOREST COUNTY  
 STATE AID PROJECT

BEGINNING 210 FT. SOUTH OF THE S.E. COR. SEC. 24 T-35N-R-14E. AND EXTENDING NORTH 11000 FT. TO A POINT 250 FT. NORTH OF THE S.E. COR. SEC. 12-T.35 N-R.14E.



**CONVENTIONAL SIGNS**

STATE AND NATIONAL LINE	CULVERTS
COUNTY LINE	DROP INLET
CITY, VILLAGE, OR TOWN	TROLLEY POLE
TOWNSHIP LINE	POWER POLE
SECTION LINE	TELEPHONE OR TELEGRAPH POLES
FENCE LINE	MAIL BOX
GUARD RAIL	REFERENCE STAKES
UNFENCED PROPERTY	MARSH
RIGHT OF WAY LINE	HEDGE
TRAVELED WAY	TREES
RAILROADS	GROUND ELEVATION
RETAINING WALL	GRADE ELEVATION
LEVEE	
BASE OR SURVEY LINE	

**LAYOUT**  
 SCALE 1/32" = 1 MI.  
 TOTAL NET LENGTH OF CENTERLINE = 2,0833 MI.

**WISCONSIN HIGHWAY COMMISSION**  
 MADISON, WIS.

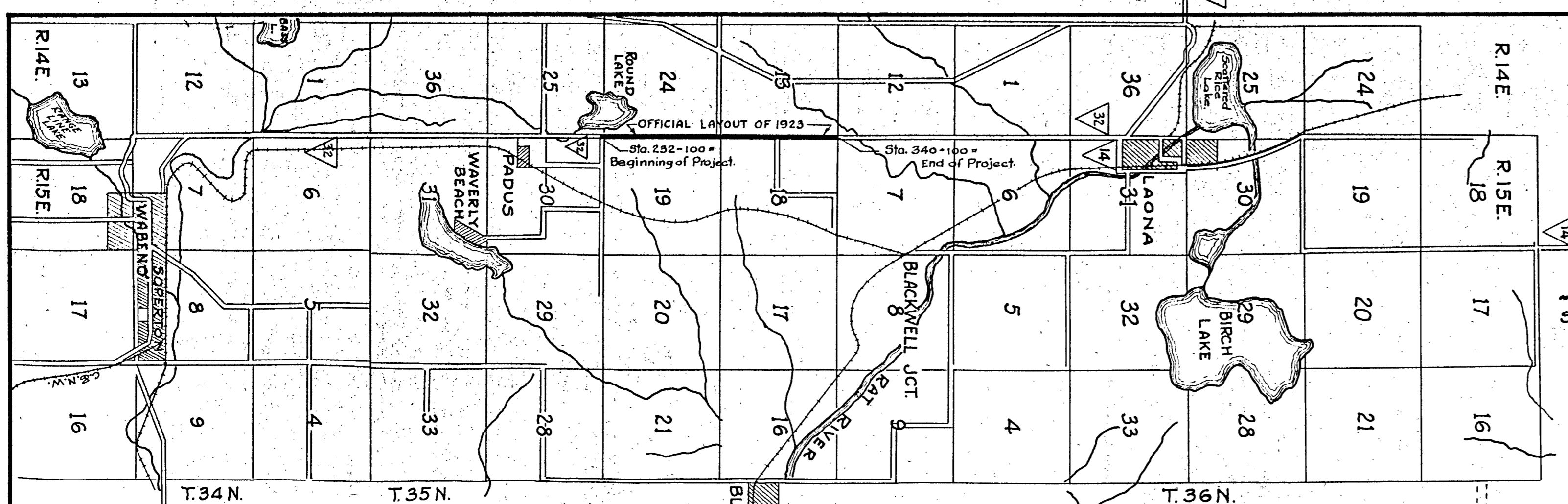
Surveyor *G.C.M. L.M.R.* Note Book 4629  
 Div. Computer *L.W.* M. D. Checker  
 Div. Checker *E.N.M. G.A.F.* Correct

CORRECT:

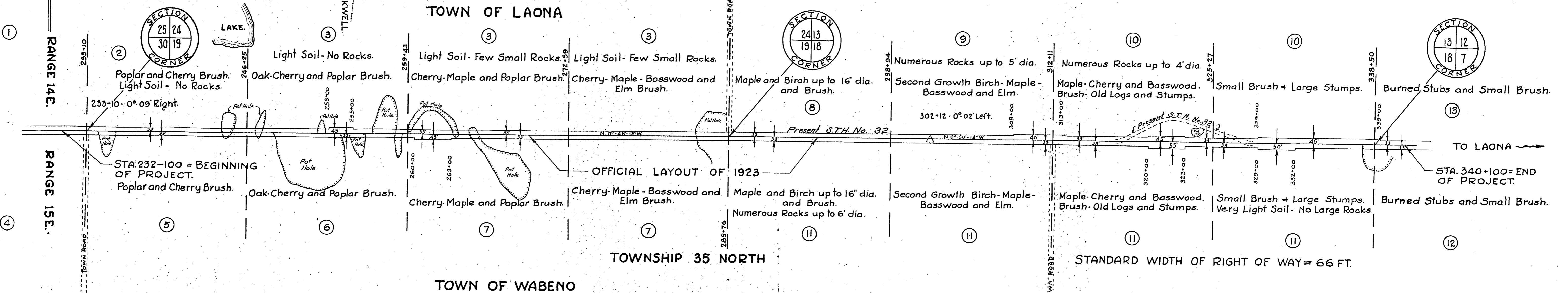
RECOMMENDED FOR APPROVAL:  
*W.S. Beaman*  
 DEPUTY STATE HIGHWAY ENGINEER

APPROVED: DATE *5/12* 1928  
*W.S. Beaman*  
 STATE HIGHWAY ENGINEER



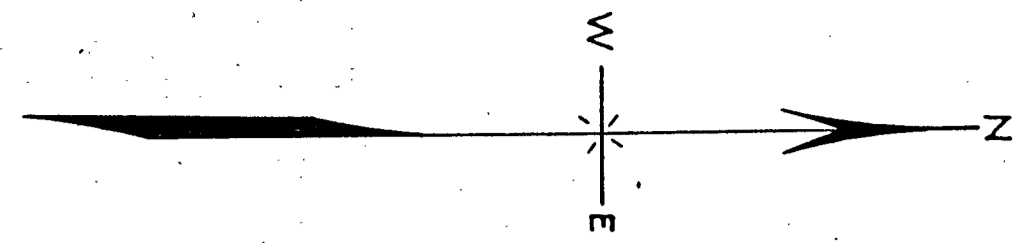


LOCATION SKETCH  
SCALE - 1/4 IN. = 1 MILE.



No.	OWNER	ADDRESS	NEW R/W Acres	DESCRIPTION	MORTGAGEE	ADDRESS	AMOUNT PAID				REMARKS
							R/W.	FENCE	BLDG.	TOTAL	
1	Louis Peterson	Padus, Wisconsin.		NE 1/4 of NE 1/4 Sec 25 35 14							
2	W. D. Connor	Laona, "		SE 1/4 of SE 1/4 " 24 " "							
3	Connor Lbr & Land Co.	" "	0.06	NE 1/4 of SE 1/4 " " "							
	" "	" "		SE 1/4 of NE 1/4 " " "							
4	J. L. Rollman	Cecil, "		NE 1/4 of NE 1/4 " " "							
5	Harland H. Snyder	Flint, Michigan.		NW 1/4 of NW 1/4 " 30 35 15							
6	Glenn W. Fosdick	deeded to J. Walsh		SW 1/4 of SW 1/4 " 19 " "							
7	Connor Lbr & Land Co.	Laona, Wisconsin.	0.08	NW 1/4 of SW 1/4 " " "							
	" "	" "		SW 1/4 of NW 1/4 " " "							
8	Mary Hubert	Wabeno, "		NW 1/4 of NW 1/4 " " "							
9	Govt. Lands	" "	0.05	SE 1/4 of SE 1/4 " 13 35 14							
10	P. H. Corcoran	" "	0.62	NE 1/4 of NE 1/4 " " "							
	" "	" "	0.41	SE 1/4 of NE 1/4 " " "							
11	Connor Lbr & Land Co.	Laona, Wisconsin.		SW 1/4 of SW 1/4 " 18 35 15							
	" "	" "		NW 1/4 of SW 1/4 " " "							
	" "	" "	0.67	SW 1/4 of NW 1/4 " " "							
	" "	" "	0.25	NW 1/4 of NW 1/4 " " "							
12	Roger Q. Smith	" "		SW 1/4 of SW 1/4 " 7 35 15							
13	Herman A. Zingler	Wabeno "	0.01	SE 1/4 of SE 1/4 " 12 " 14							

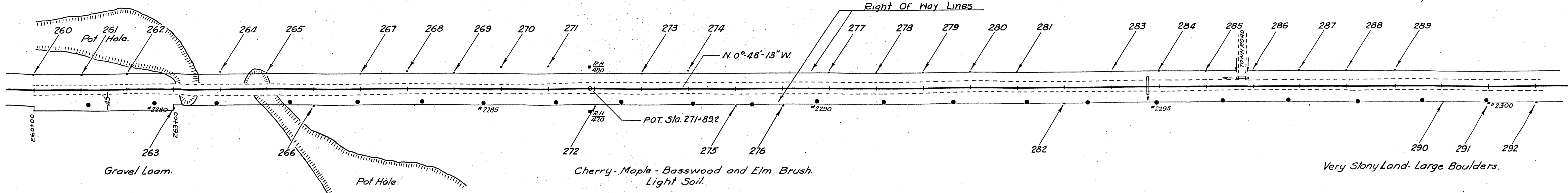
PLAT OF RIGHT OF WAY REQUIRED  
STATE AID PROJECT NO. 7782  
WABENO ~ LAONA ROAD  
S.T.H. NO. 32 FOREST COUNTY  
SCALE 1 INCH = 400 FEET.



Basswood - Maple - Willow and Poplar Brush.  
Few small rocks.

Sta. 283+77 - 18"x36" Corr. Iron Culv. Inp.  $\phi$  - To Be Removed.  
Sta. 285+76 - 12"x24" Corr. Iron Culv. Inp. (Side Road) To Be Removed.  
Sta. 283+75 - 30"x62" Corr. Iron Culv. Req'd.  
Sta. 285+70 - 18"x24" Corr. Iron Culv. Req'd. Under Side Road.  
Maple and Birch Timber.  
Boulders up to 5' dia.

9-27  
G. C. P. Files  
D. L. H. Plotted  
G. R. Ferguson  
NOTE BOOK  
No. 4622

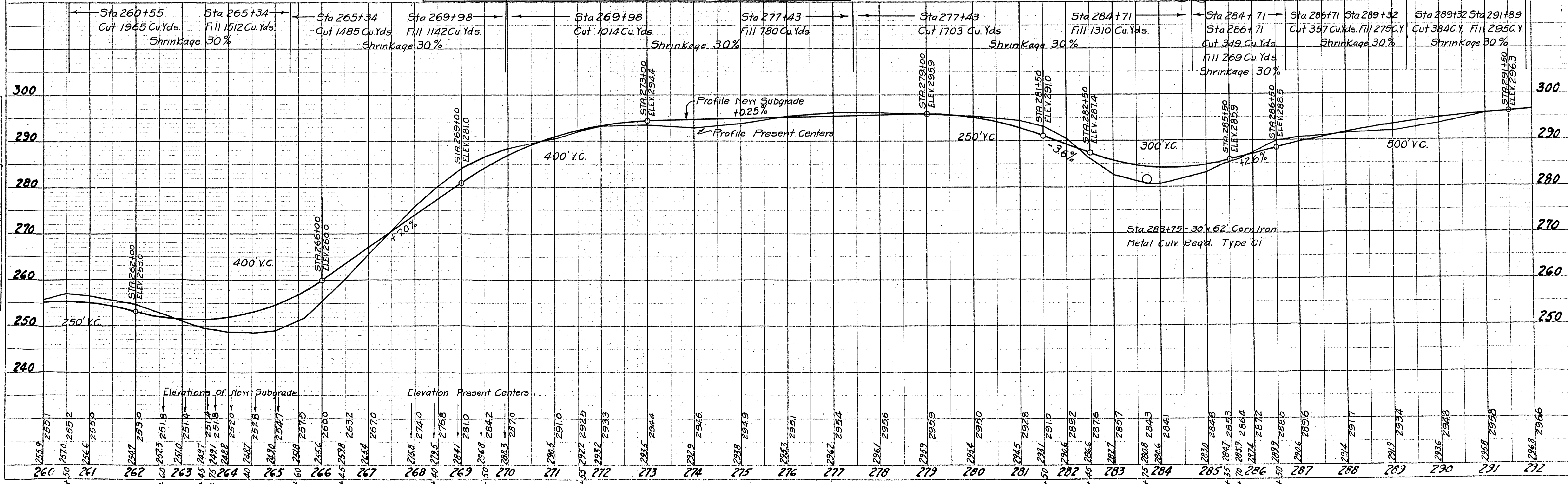


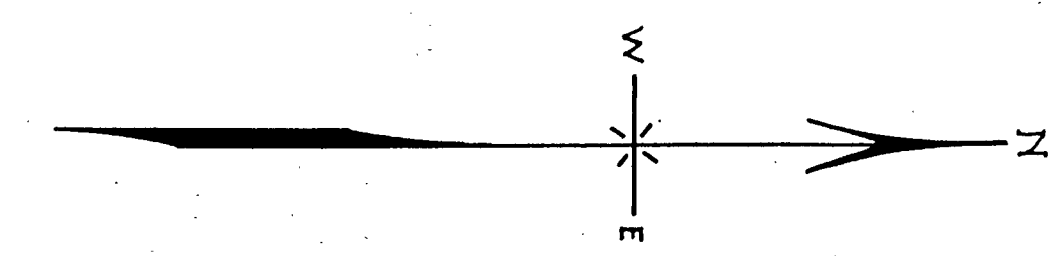
ITEM	TYPE	LOCATION	STA. TO STA.	UNIT	AMOUNT	TOTALS
Clearing			262+00-284+71	Acre	0.94	0.94
Grubbing			"	"	1.11	1.11
Guard Rail	"C"	Right	264+80-266+56	Post	23	23
Clearing			284+71-292+88	Acre	0.23	0.23
Grubbing			"	"	0.30	0.30
Guard Rail	"C"	Left	325+00-327+00	Post	26	26
"		Right	325+00-328+28	"	42	42
Side Road Culv.	18" CI	Left	285+70	Lin. Ft.	24'	24'

WIDTH OF RIGHT OF WAY = 66 FEET

STATION	DESCRIPTION	ELEVATION
261+70	Rail Spike in 12" Stump 55' left of $\phi$	250.85
271+75	Rail Spike in 20" Stub 50' right of $\phi$	292.43
288+10	Rail Spike in 14" Maple 55' left of $\phi$	292.81

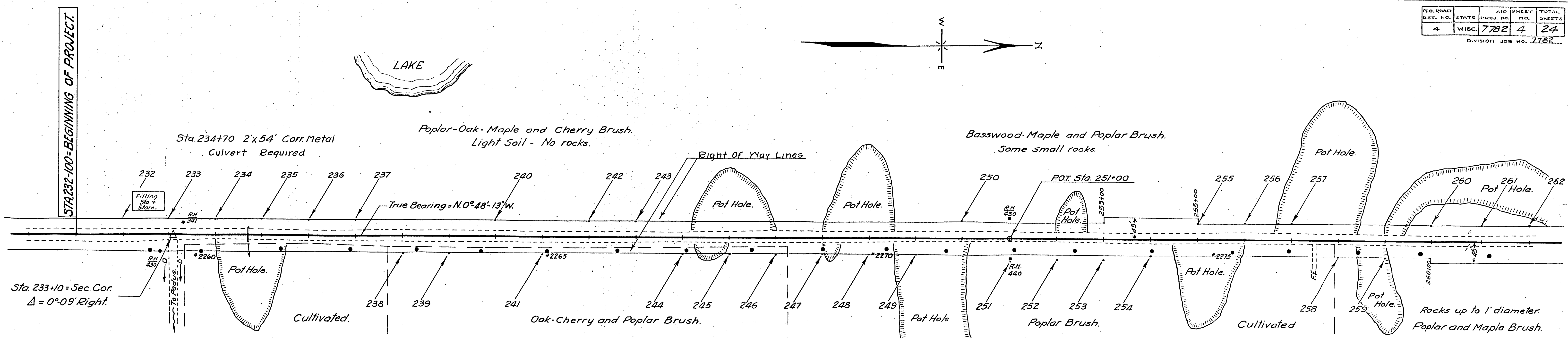
PROFILE  
9-27  
G. C. P. Files  
D. L. H. Plotted  
G. R. Ferguson  
NOTE BOOK  
No. 4622





DRAWN BY: S.S. Myers  
 CHECKED BY: J.P. Knapton  
 DATE: 3-22-22  
 PROJECT: ST. RY. IMP. DIST. NO. 4  
 SHEET NO. 4 OF 24

PROFILE  
 DRAWN BY: L.V. Adams  
 CHECKED BY: J.P. Knapton  
 DATE: 3-22-22  
 PROJECT: ST. RY. IMP. DIST. NO. 4  
 SHEET NO. 4 OF 24



MISCELLANEOUS QUANTITIES					
ITEM	TYPE	LOCATION	STA TO STA.	UNIT	TOTALS
Clearing			233+50-262+00	Acres	1.81
Grubbing			" "	"	1.91
Guard Rail	C	Right	234+00-235+60	Post	21
		Left	244+20-245+64	"	19
		"	247+10-247+90	"	11

BENCH MARKS		
STATION	DESCRIPTION	ELEVATION
233+60	Rail Spike in 15" Stump 40' left of C	283.25
248+00	Rail Spike in 16" Maple 50' right of C	270.51

WIDTH OF RIGHT OF WAY = 66 FT.

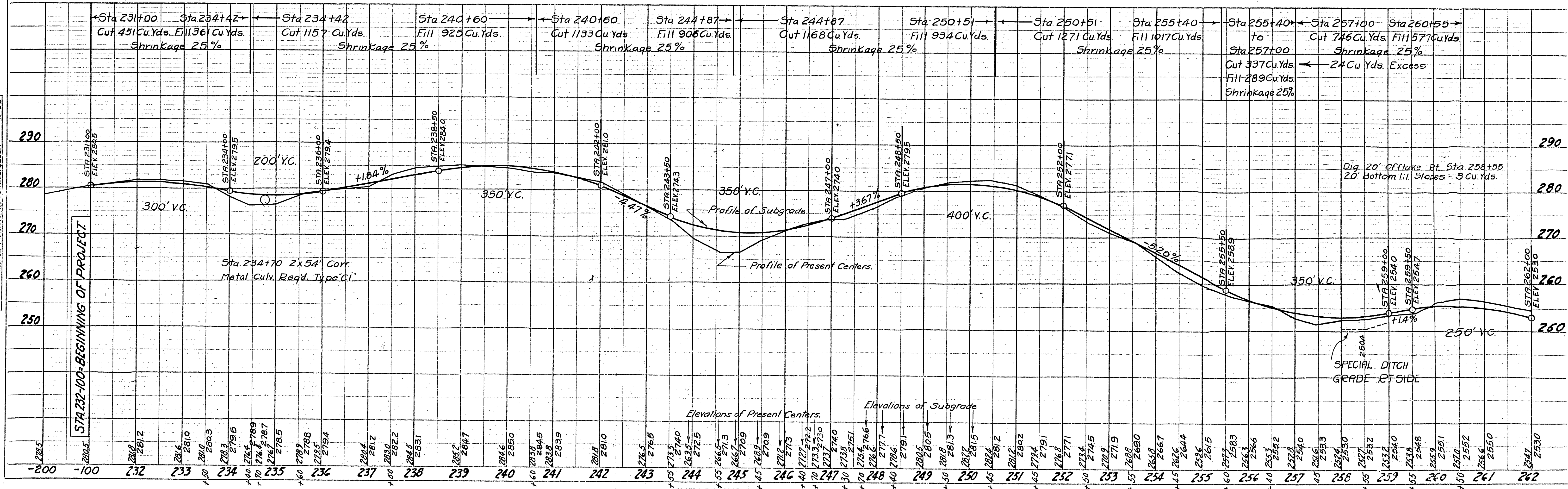
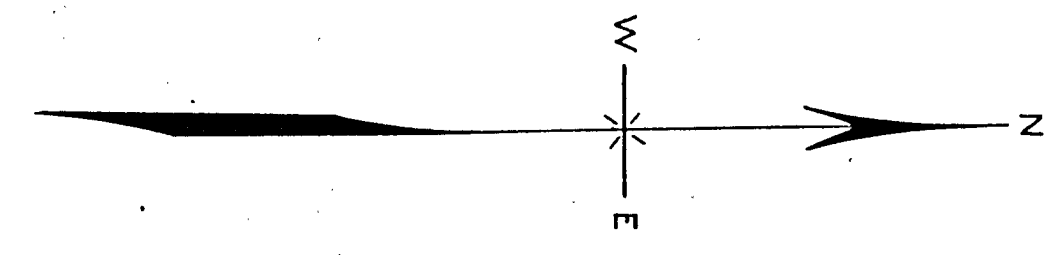
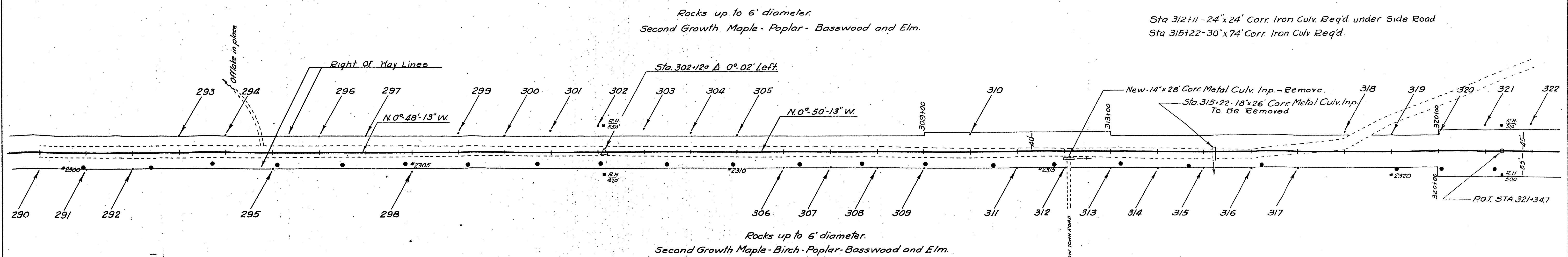


PLATE I - PLAN PROFILE C.B. & F. ST. RY. IMP. DIST. NO. 4



PLAN  
 SURVEYED BY: G. C. Ferguson  
 DRAWN BY: G. C. Ferguson  
 CHECKED BY: G. C. Ferguson  
 DATE: 4-28-22  
 NO. OF SHEETS: 6  
 NO. OF SHEETS CHECKED: 4



**MISCELLANEOUS QUANTITIES**

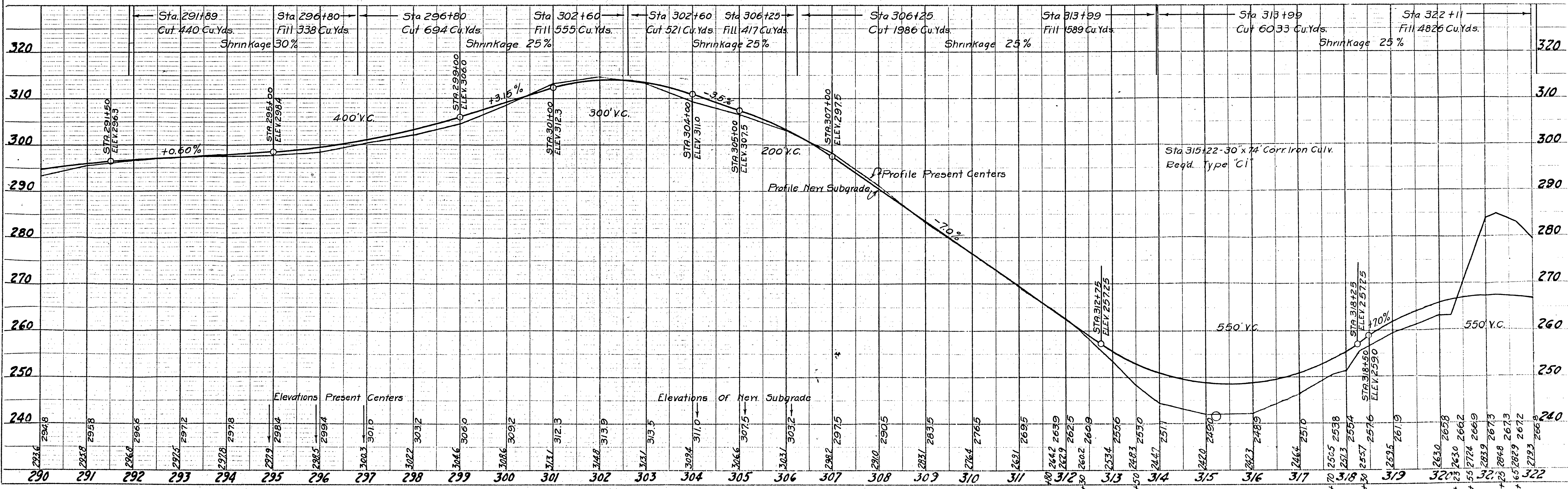
ITEM	TYPE	LOCATION	STA. TO STA.	UNIT	AMOUNT	TOTALS
Clearing			292+00-322+00		1.99	1.99
Grubbing			" "		2.33	2.33
Side Road Culv.	24' CI	Right	312+11	Lin. Ft.	24'	24'

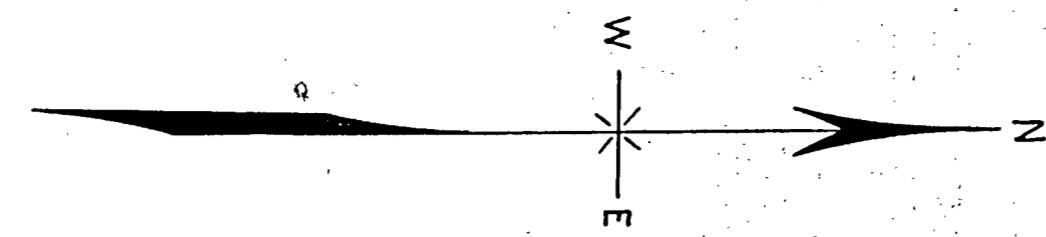
**BENCH MARKS**

STATION	DESCRIPTION	ELEVATION
301+40	Rail Spike in 10' Maple 60' left of C	318.01
310+70	Rail Spike in 7" Basswood 70' right of C	266.52
315+40	Rail Spike in 30" stump 120' right of C	242.48

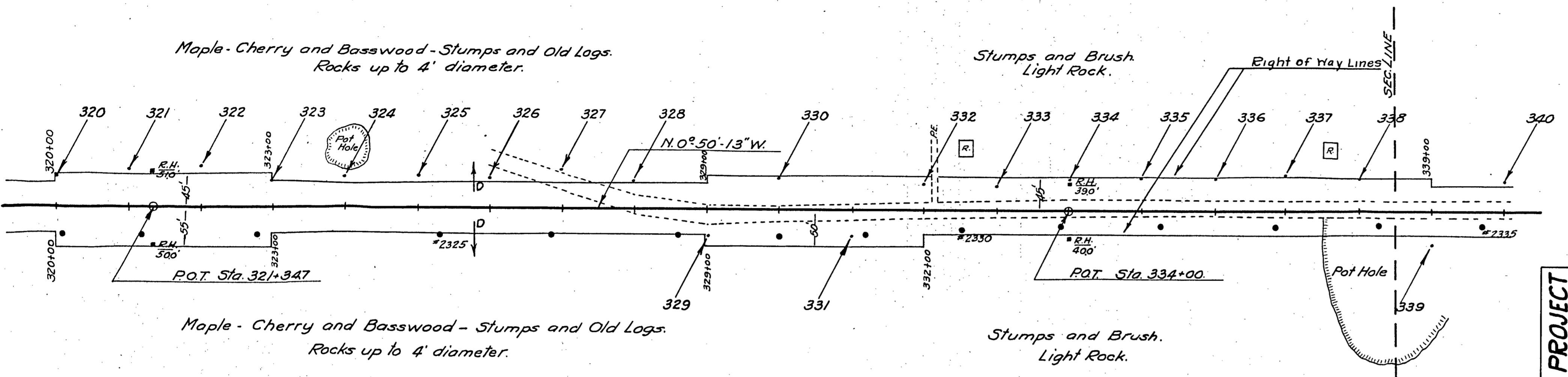
Width of Right of Way = 66 Feet

PROFILE  
 SURVEYED BY: L. W. Peterson  
 DRAWN BY: G. C. Ferguson  
 CHECKED BY: G. C. Ferguson  
 DATE: 4-28-22  
 NO. OF SHEETS: 6  
 NO. OF SHEETS CHECKED: 4





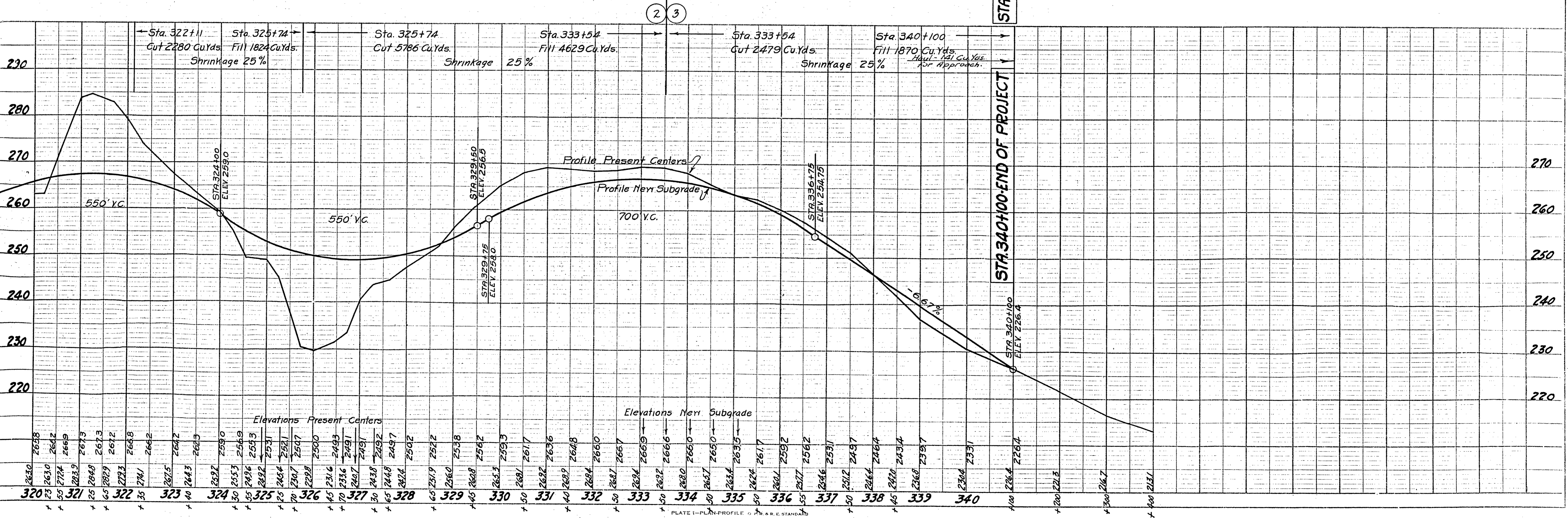
PLAN  
 SURVEYED BY G. C. Miles  
 PLOTTED BY G. C. Miles  
 CHECKED BY G. C. Miles  
 DATE 12-27-27  
 REVISION 1-28-28  
 4-28-28  
 1-29-28  
 4-28-28  
 G. R. Ferguson



MISCELLANEOUS QUANTITIES						
ITEM	TYPE	LOCATION	STA. TO STA.	UNIT	AMOUNT	TOTALS
Clearing			322+00-333+54	Acre	1.20	1.20
Grubbing			"	"	1.25	1.25
Clearing			333+54-340+00	Acre	0.37	0.37
Grubbing			"	"	0.42	0.42
Guard Rail	"C"	Eight	337+140-339+188	Post	32	32

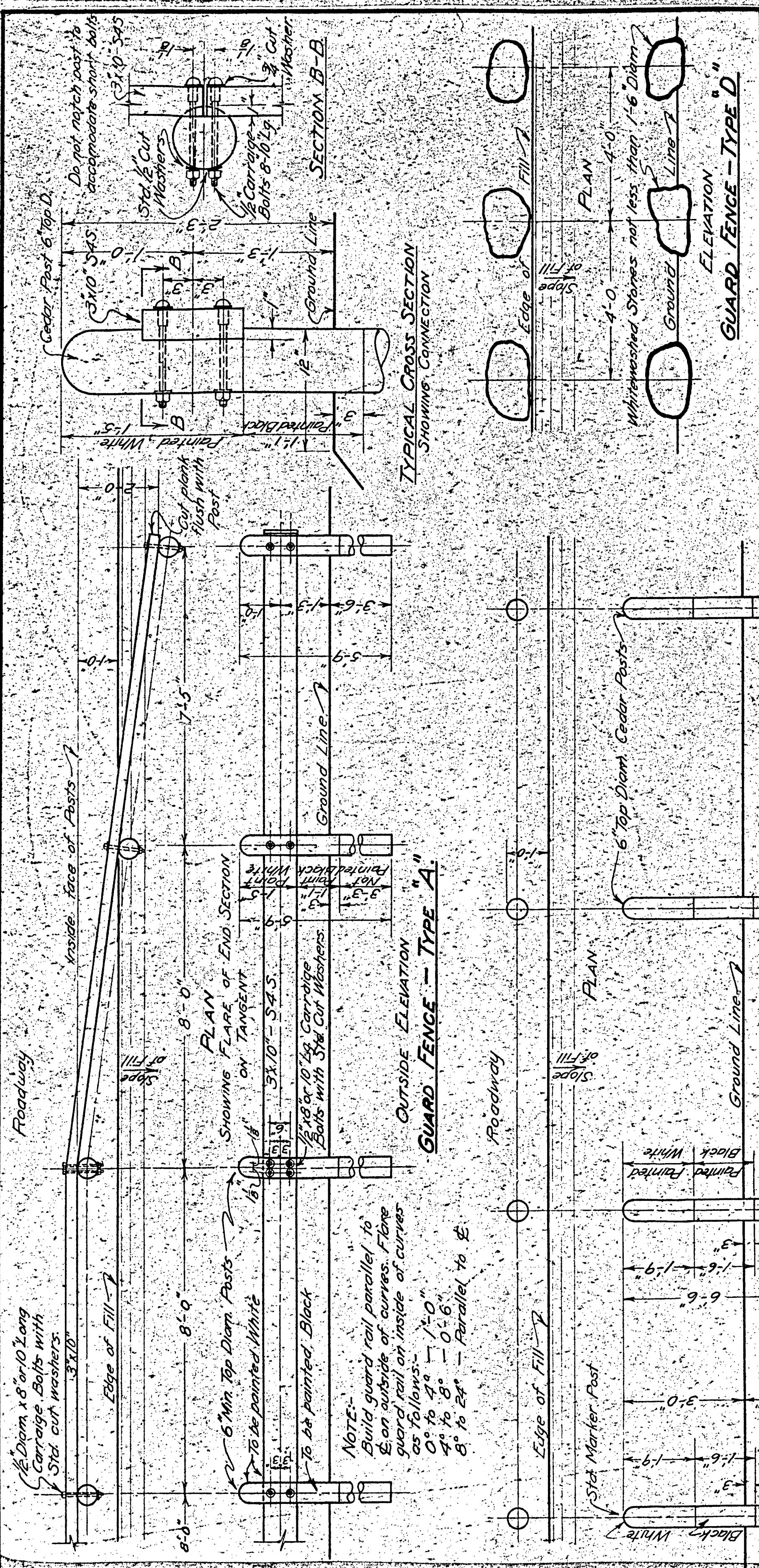
BENCH MARKS		
STATION	DESCRIPTION	ELEVATION
324+75	Rail Spike in 10" Maple 50' left of C	248.53
331+75	Rail Spike in 20" Stump 50' left of C	271.28
340+75	Rail Spike in 14" Hemlock 50' right of C	227.75

PROFILE  
 SURVEYED BY L. J. Miles  
 PLOTTED BY L. J. Miles  
 CHECKED BY L. J. Miles  
 DATE 12-27-27  
 REVISION 1-28-28  
 4-28-28  
 1-29-28  
 4-28-28  
 G. R. Ferguson



STA. 340+100- END OF PROJECT

STA. 340+100- END OF PROJECT



**STANDARD DESIGN  
 GUARD FENCE  
 TYPES A, C & D.  
 WISCONSIN HIGHWAY COMMISSION**

Correct: *[Signature]*  
 Approved: *[Signature]*  
 Approved: *[Signature]*

**GUARD FENCE - TYPE A**

PLAN  
 6" Top Diam Cedar Posts  
 1/2" Cable

ELEVATION  
 6" Top Diam Cedar Posts  
 1/2" Cable

See Post Plans Variable

Materials and workmanship to be in accordance with Wisconsin Highway Commission's Specifications

bar shall receive 3 coats of paint - color as shown. Posts shall be milled and tapered to fit in accordance with specifications. All bolts and metal fittings shall be galvanized. All bolts projecting more than 1/2" from nut shall be cut off one half inch from nut.

**GUARD FENCE - TYPE C**

PLAN  
 6" Top Diam Cedar Posts  
 1/2" Cable

ELEVATION  
 6" Top Diam Cedar Posts  
 1/2" Cable

See Post Plans Variable

**SPECIFICATIONS:**  
 hand side of the section is preferred of each guard fence section at 10' or less, a steel cord manner shall be placed first post. All lumber shall be of good sound seasoned new fir white Norway spruce or pine suit- faced on four sides and free from large knots. After erection all posts and turn- buckles must not be placed more than 300' 0" c. to c.



**STANDARD DESIGN  
 GUARD FENCE  
 TYPE B.  
 WISCONSIN HIGHWAY COMMISSION**

Correct: *[Signature]*  
 Approved: *[Signature]*  
 Approved: *[Signature]*

**GUARD FENCE - TYPE B**

PLAN  
 6" Top Diam Cedar Posts  
 1/2" Cable

ELEVATION  
 6" Top Diam Cedar Posts  
 1/2" Cable

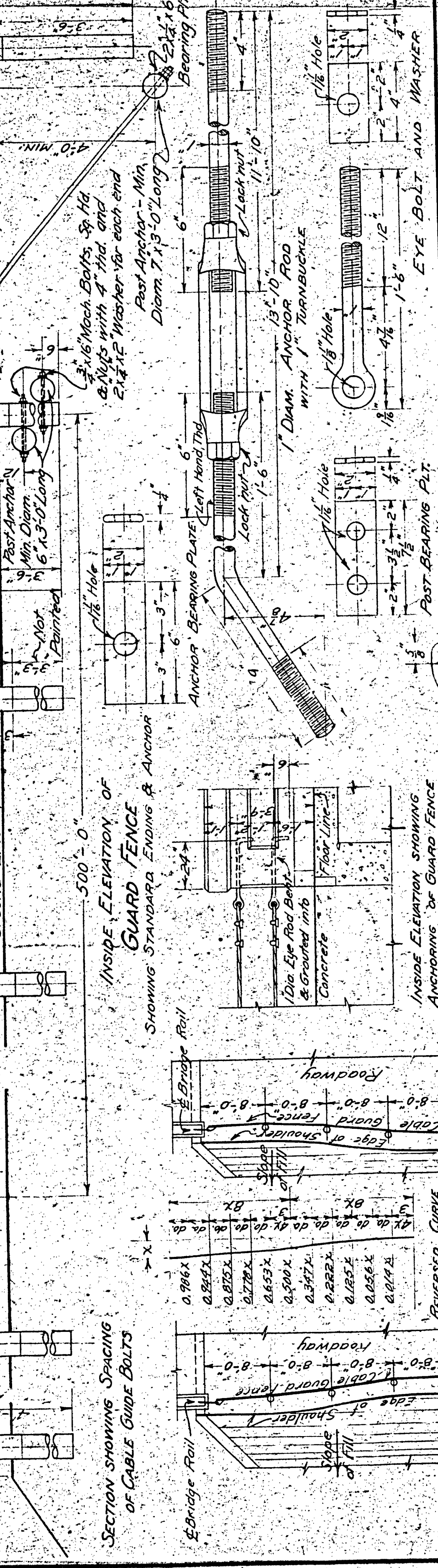
See Post Plans Variable

Materials and workmanship to be in accordance with Wisconsin Highway Commission's Specifications

bar shall receive 3 coats of paint - color as shown. Posts shall be milled and tapered to fit in accordance with specifications. All bolts and metal fittings shall be galvanized. All bolts projecting more than 1/2" from nut shall be cut off one half inch from nut.

**SPECIFICATIONS:**  
 All bolts and metal fittings shall be galvanized. Cable to be double galvanized. After erection, all cable guide bolts projecting more than 1/2" from nut shall be cut off 1/2" from nut. Eye bolts and cable clips to be chop forged. Materials and workmanship to be in accordance with the Wisconsin Highway Commission's Specifications.

Standard Turnbuckles  
 Must not be placed more than 300' 0" c. to c.



**STANDARD DESIGN  
 GUARD FENCE  
 TYPE D.  
 WISCONSIN HIGHWAY COMMISSION**

Correct: *[Signature]*  
 Approved: *[Signature]*  
 Approved: *[Signature]*

**GUARD FENCE - TYPE D**

PLAN  
 6" Top Diam Cedar Posts  
 1/2" Cable

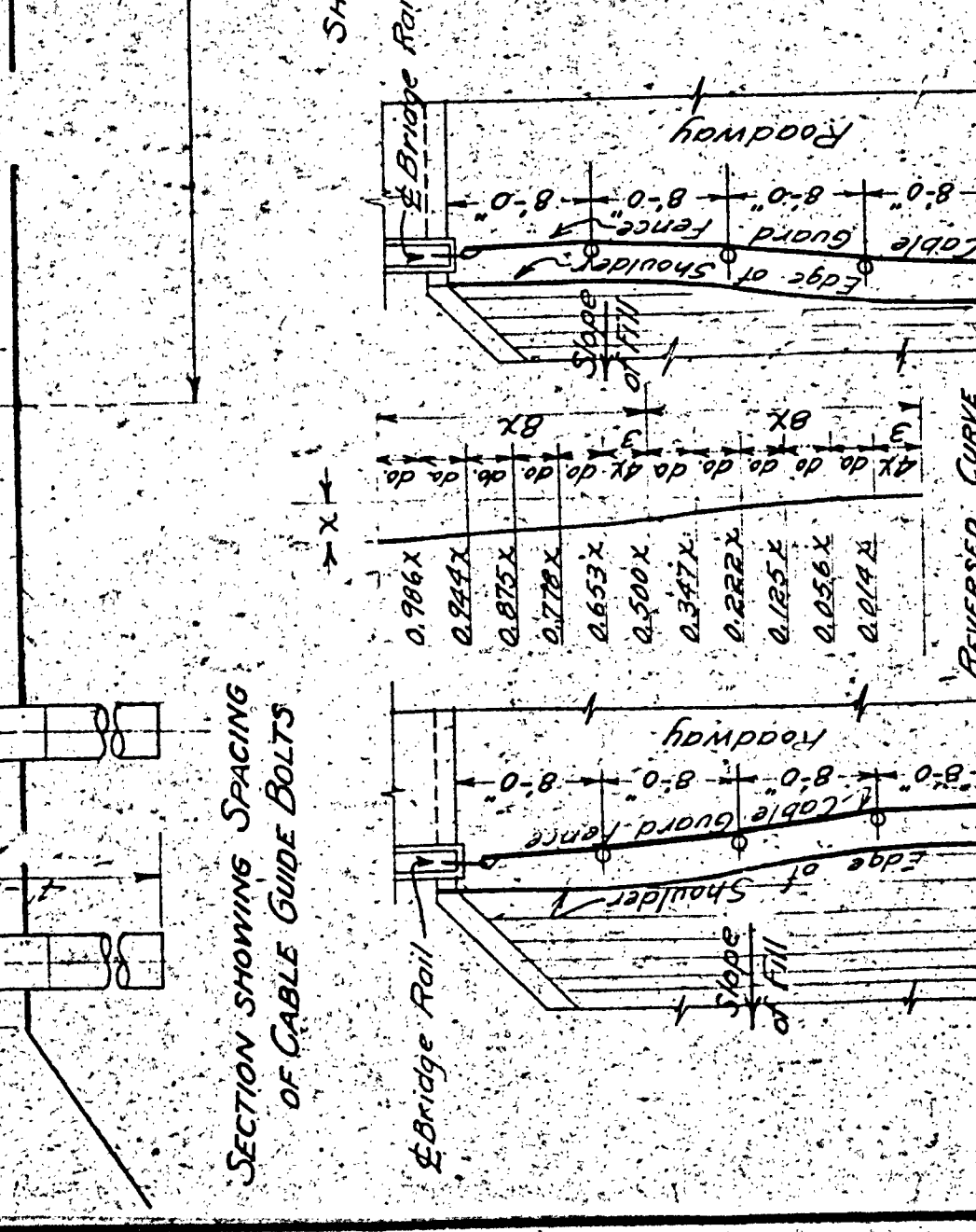
ELEVATION  
 6" Top Diam Cedar Posts  
 1/2" Cable

See Post Plans Variable

Materials and workmanship to be in accordance with Wisconsin Highway Commission's Specifications

bar shall receive 3 coats of paint - color as shown. Posts shall be milled and tapered to fit in accordance with specifications. All bolts and metal fittings shall be galvanized. All bolts projecting more than 1/2" from nut shall be cut off one half inch from nut.

**SPECIFICATIONS:**  
 All posts shall be of good sound straight seasoned new cedar fir or white oak. Posts shall be round. Eye bolts shall have a min top diam of 1", other posts 6". Posts shall have rounded tops, and be shored to the white from 3" below rounded top to top. On the right hand side of the section is entered, of each guard fence section of 100ft or over, a standard marker shall be placed as first post. All posts shall receive 3 coats of paint after erection, color as shown.



**SECTION SHOWING SPACING OF CABLE GUIDE BOLTS**

INSIDE ELEVATION OF GUARD FENCE SHOWING STANDARD ENDING & ANCHOR

INSIDE ELEVATION SHOWING ANCHORING OF GUARD FENCE TO RAIL OF CONCRETE BRIDGE

METHOD OF PLACING GUARD FENCE AT BRIDGE APPROACHES  
 Distance between fences greater than roadway of bridge

Distance between fences less than roadway of bridge



**CULVERT SCHEDULE.**

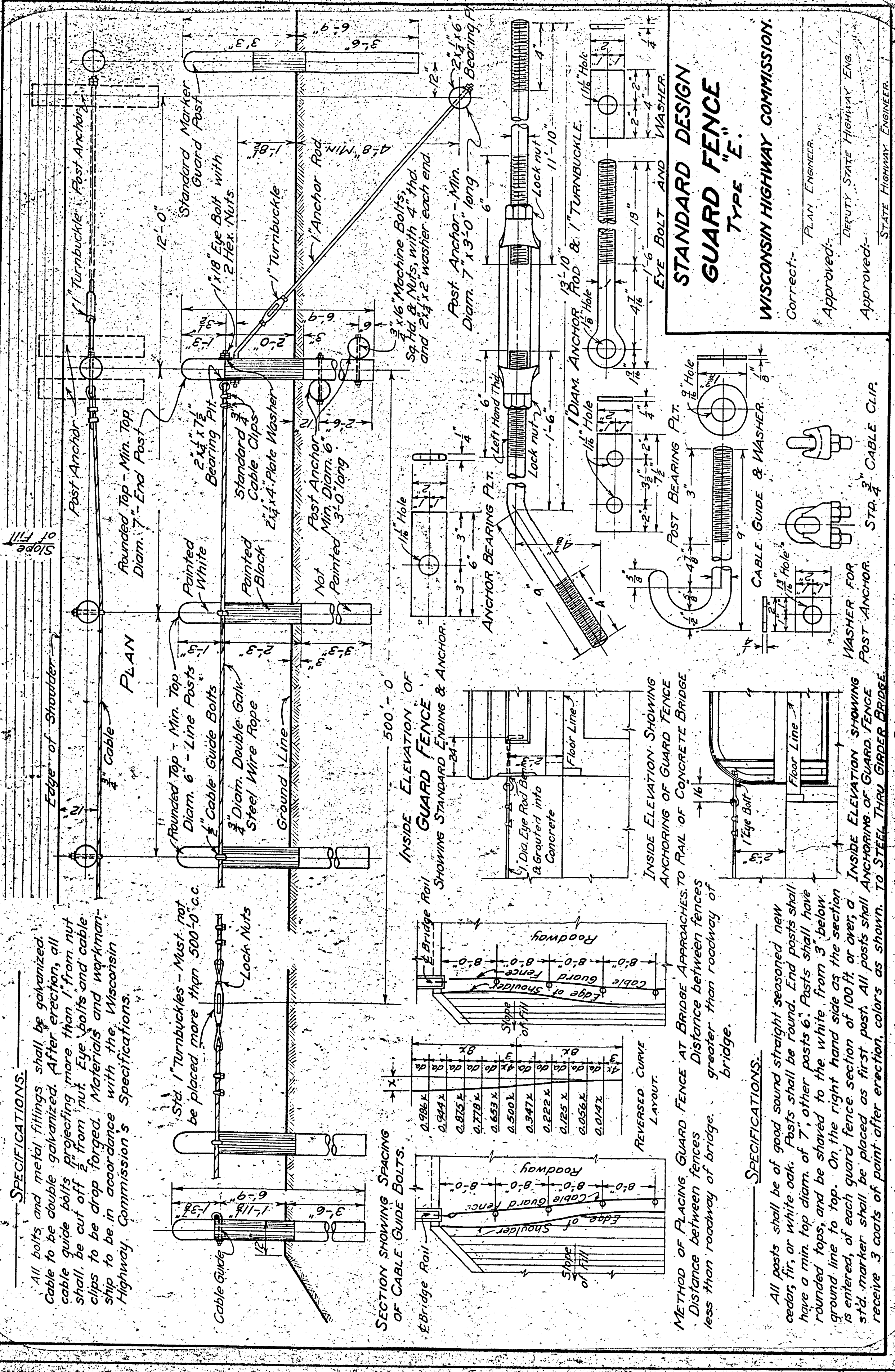
NAME OF ROAD **LAOMA-WABENO** FOREST COUNTY, STATE AID PROJECT NO. **7782** DIVISION JOB NO. **7782**

MILE STATION	WIDTH	DIAMETER	KIND OF CULVERT	T-YYPE	Stake No.	Elev. Top of Spk.	Distance from Right of Way to Stake	Disch. Slope	PLACE CULV. ELEV. BOT. BELL FLOW		STEEL IN CULVERT	REMARKS
									Left From &	Right From &		
1 4	24	54	No. Culvert	"	236	279.99	9.65	3.65	21' 33"	276.0	276.0	20' off road to right 30'.
1 5	24	62	Corr. stn. Metal	"	284	279.99	1.88	1.38	30'-6"	278.2	278.7	Remove 1/2" x 3/8" pipe in place. STAKE TO BE SET ON TOP OF PIPE. REMOVE 1/2" x 26" pipe in place. STAKE TO BE SET ON TOP OF PIPE. STAKE TO BE SET ON TOP OF PIPE.
2 5	24	74	"	"	315	241.71	0.78	0.28	36'	241.0	241.5	STAKE TO BE SET ON TOP OF PIPE. STAKE TO BE SET ON TOP OF PIPE. STAKE TO BE SET ON TOP OF PIPE.
2 6	24	24	"	"								STAKE TO BE SET ON TOP OF PIPE. STAKE TO BE SET ON TOP OF PIPE. STAKE TO BE SET ON TOP OF PIPE.

**SUMMARY OF PIPE CULVERTS.**

TYPE	CORRUGATED SHEET METAL PIPE (Total Linear Feet)			CAST IRON PIPE			CONCRETE PIPE	
	18" Diam	24" Diam	30" Diam	Diam	Diam	Diam	10% Lin Feet	10% Lin Feet
Pipe Iron								
Copper/Pure Iron	24	78	136					
Magnesium								
Copper-Steel								

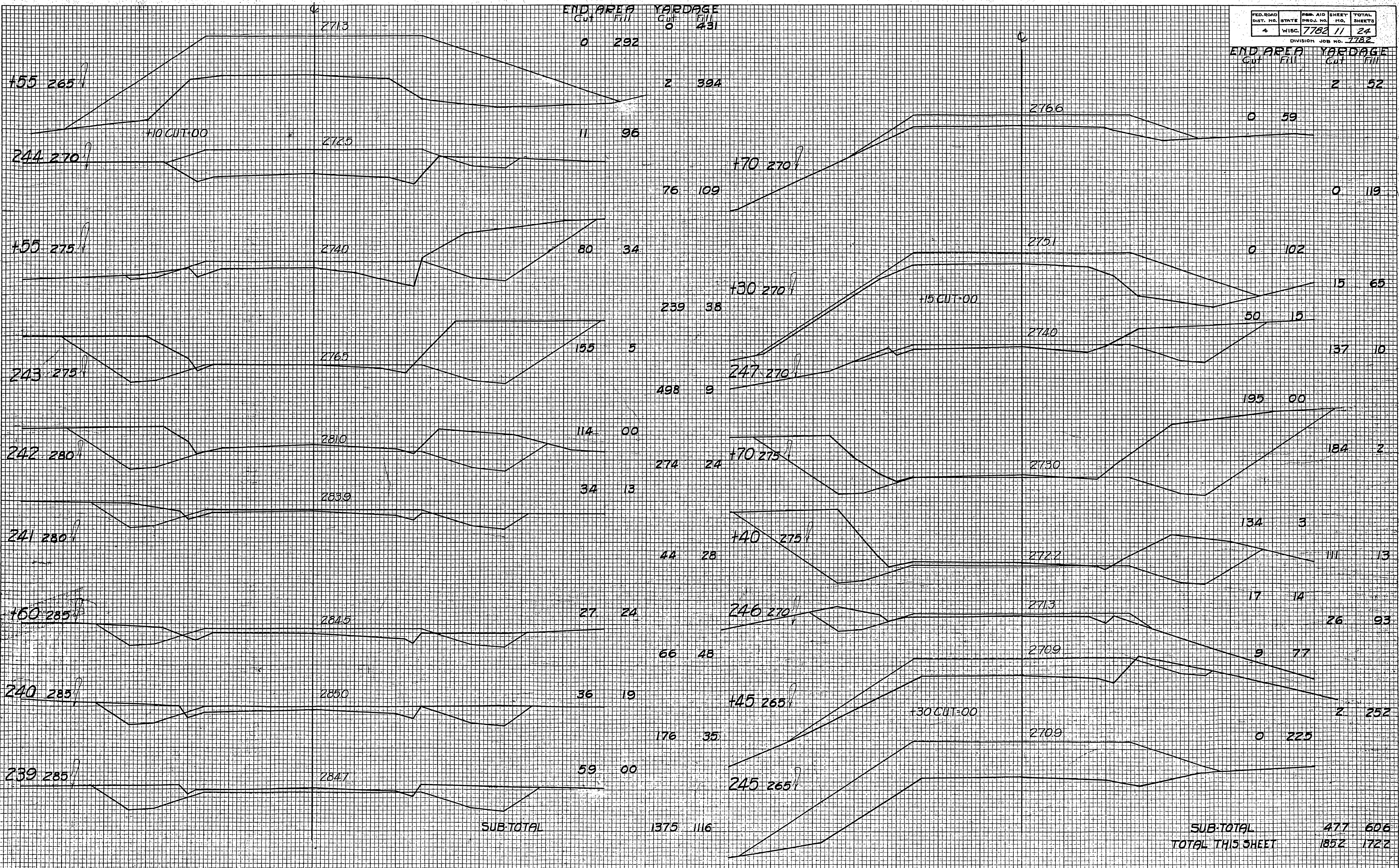
State Aid Proj # 7782





DATE 9-22-66  
 BY J. P. Miller  
 E. V. Miller  
 G. B. Ferguson  
 SURVEYED  
 FINAL SURVEY  
 NOTE BOOK NO. 4630  
 AREAS CHECKED

DATE  
 BY  
 ORIGINAL SURVEY  
 SURVEY PLOTTED  
 NOTE BOOK NO.  
 AREAS CHECKED



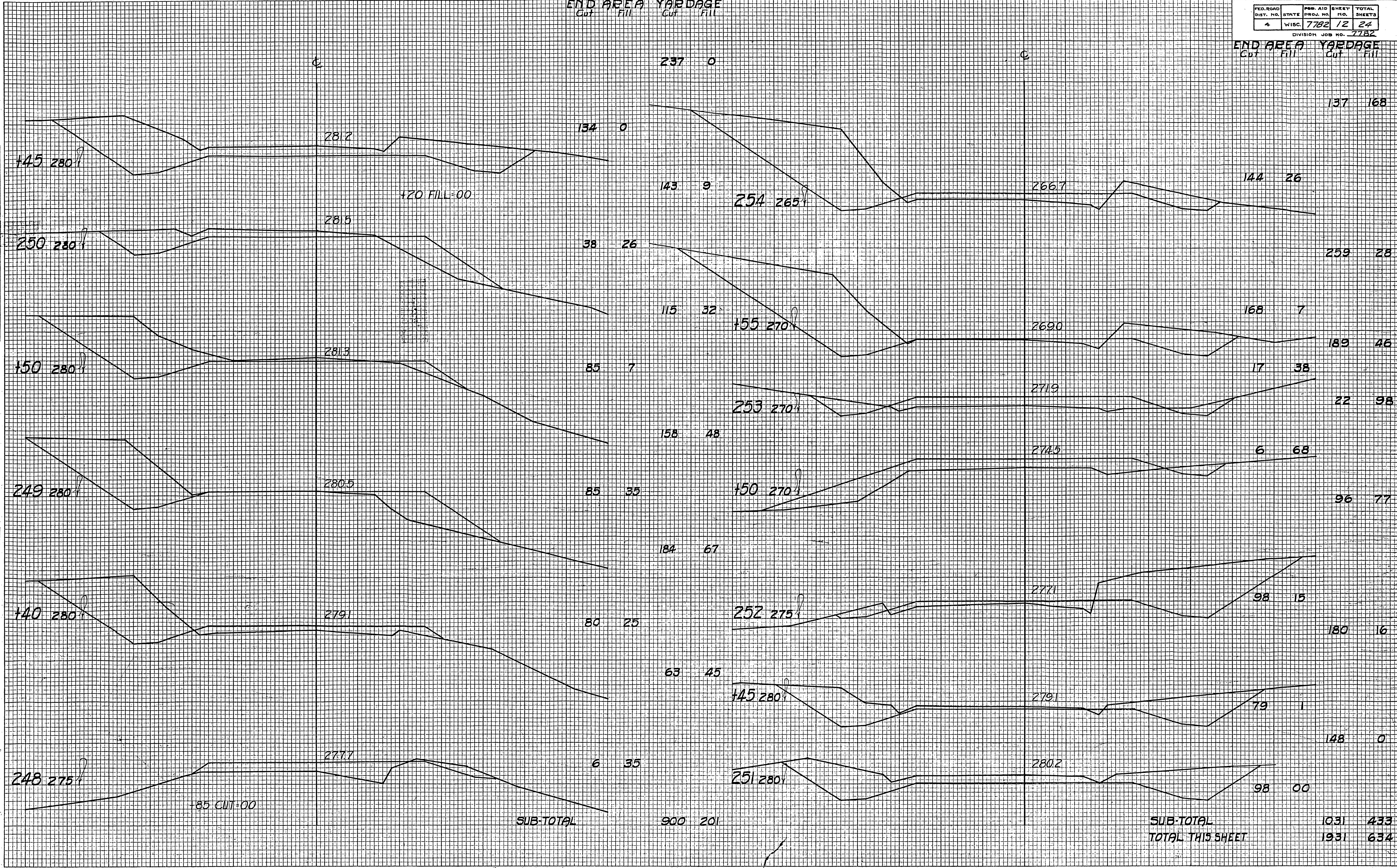
END AREA YARDAGE  
Cut Fill Cut Fill

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	7782	12	24
		DIVISION JOB NO. 7782		

END AREA YARDAGE  
Cut Fill Cut Fill

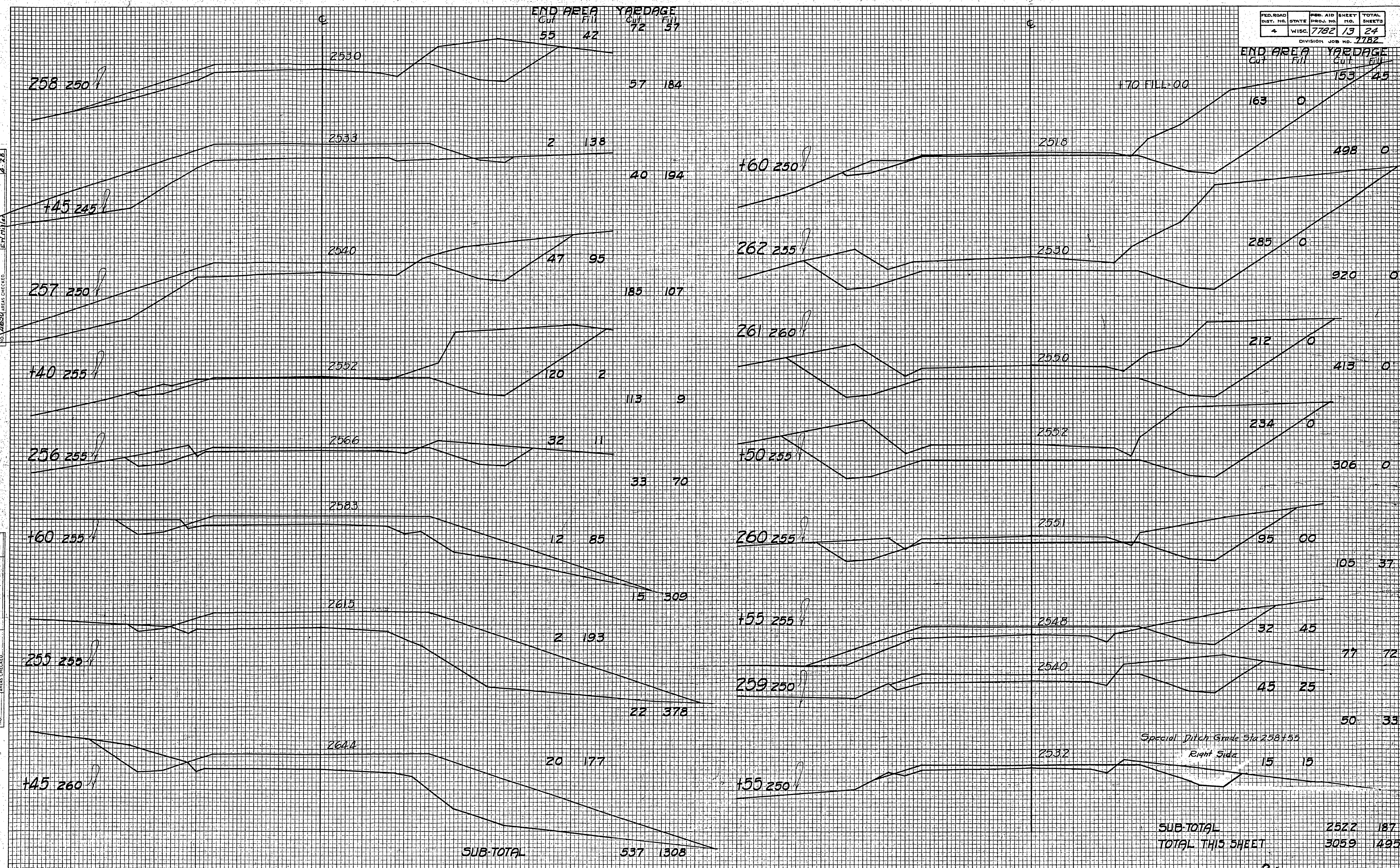
DATE 9-27-38  
BY J. M. G. F.  
SUPERVISOR J. M. G. F.  
PLANNING ENGINEER J. M. G. F.  
CHECKED J. M. G. F.  
NO. 4630 AREAS CHECKED

DATE  
BY  
ORIGINAL SURVEY NO.  
SURVEY PLOTTED AREAS CHECKED  
NOTE BOOK NO.



DATE: 9-27  
 BY: L.M. Williams  
 SURVEY: G.A. Williams  
 PLOTTED: G.A. Williams  
 CHECKED: E.M. Williams

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 ORIGINAL SURVEY NOTE BOOK NO. \_\_\_\_\_  
 CHECKED: \_\_\_\_\_

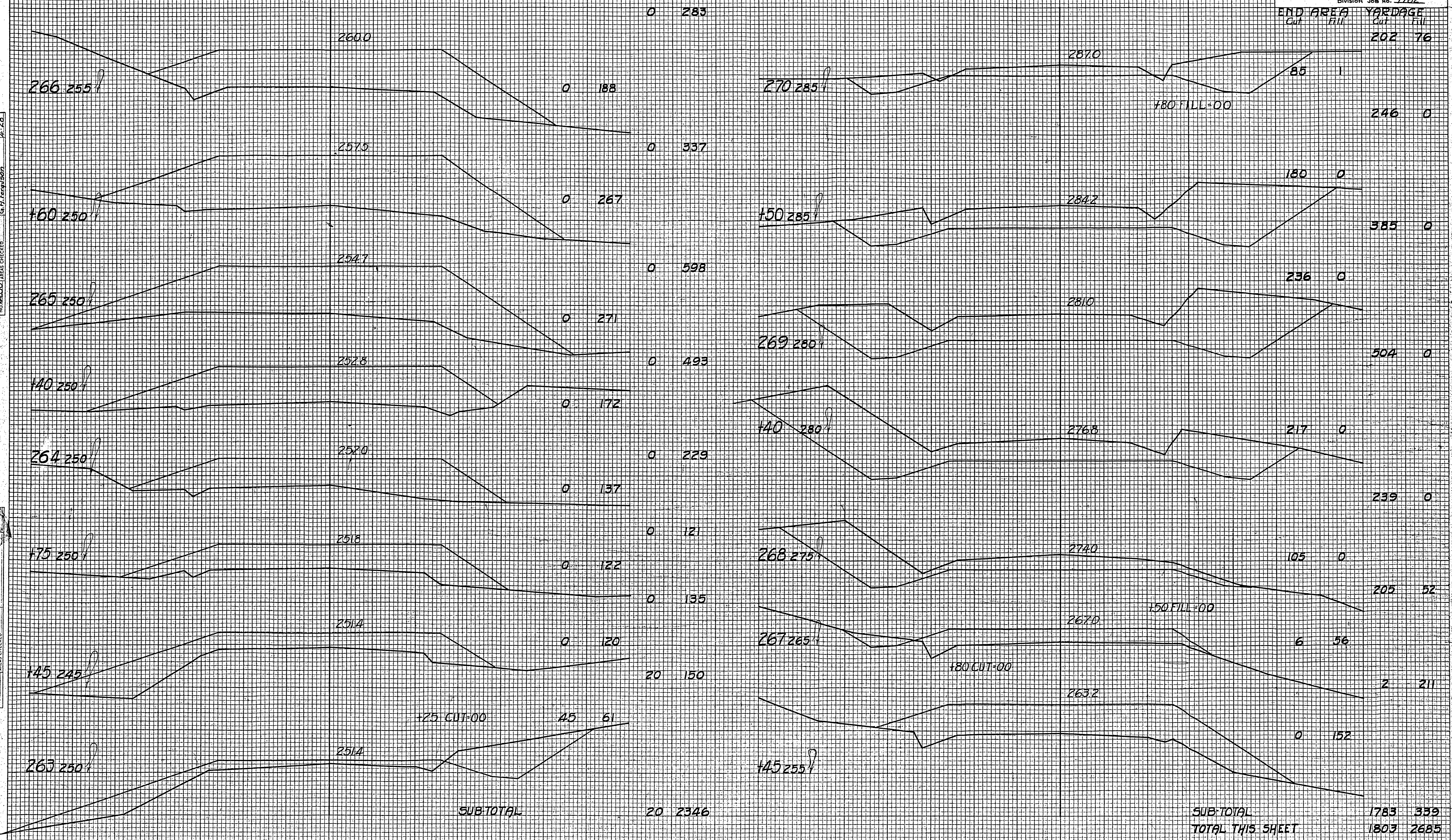


DATE 9-27  
 BY M. Peters  
 SURVEYED BY C. W. Hillgron  
 PLOTTED BY E. Y. Miller  
 NOTE BOOK NO. 4800  
 AREAS CHECKED

DATE  
 BY  
 ORIGINAL SURVEY PLOTTED BY  
 NOTE BOOK NO.  
 AREAS CHECKED

END AREA YARDAGE  
 Cut Fill Cut Fill

PROJ. ROAD DIST. NO. STATE WISC 7782 14 24  
 DIVISION JOB NO. 2782



SUBTOTAL 20 2346

SUB-TOTAL 1783 339  
 TOTAL THIS SHEET 1803 2685

END AREA YARDAGE  
Cut Fill Cut Fill

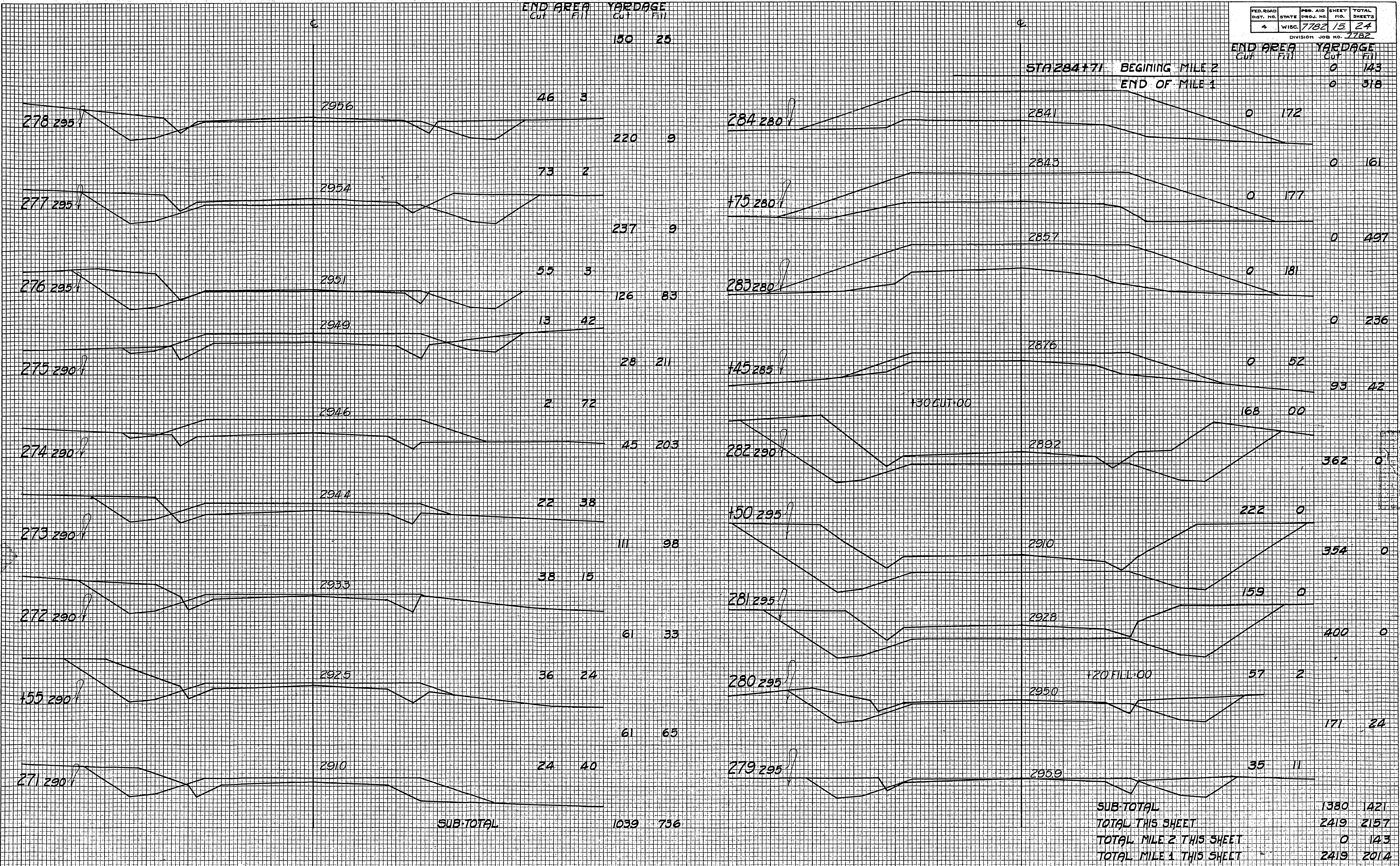
END AREA YARDAGE  
Cut Fill Cut Fill

FINAL SURVEY NO. 4630 AREAS CHECKED

DATE 9-27  
BY L. J. Peters, C. A. Ferguson, G. G. Ferguson, E. M. Miller

ORIGINAL SURVEY NO. AREAS CHECKED

DATE  
BY



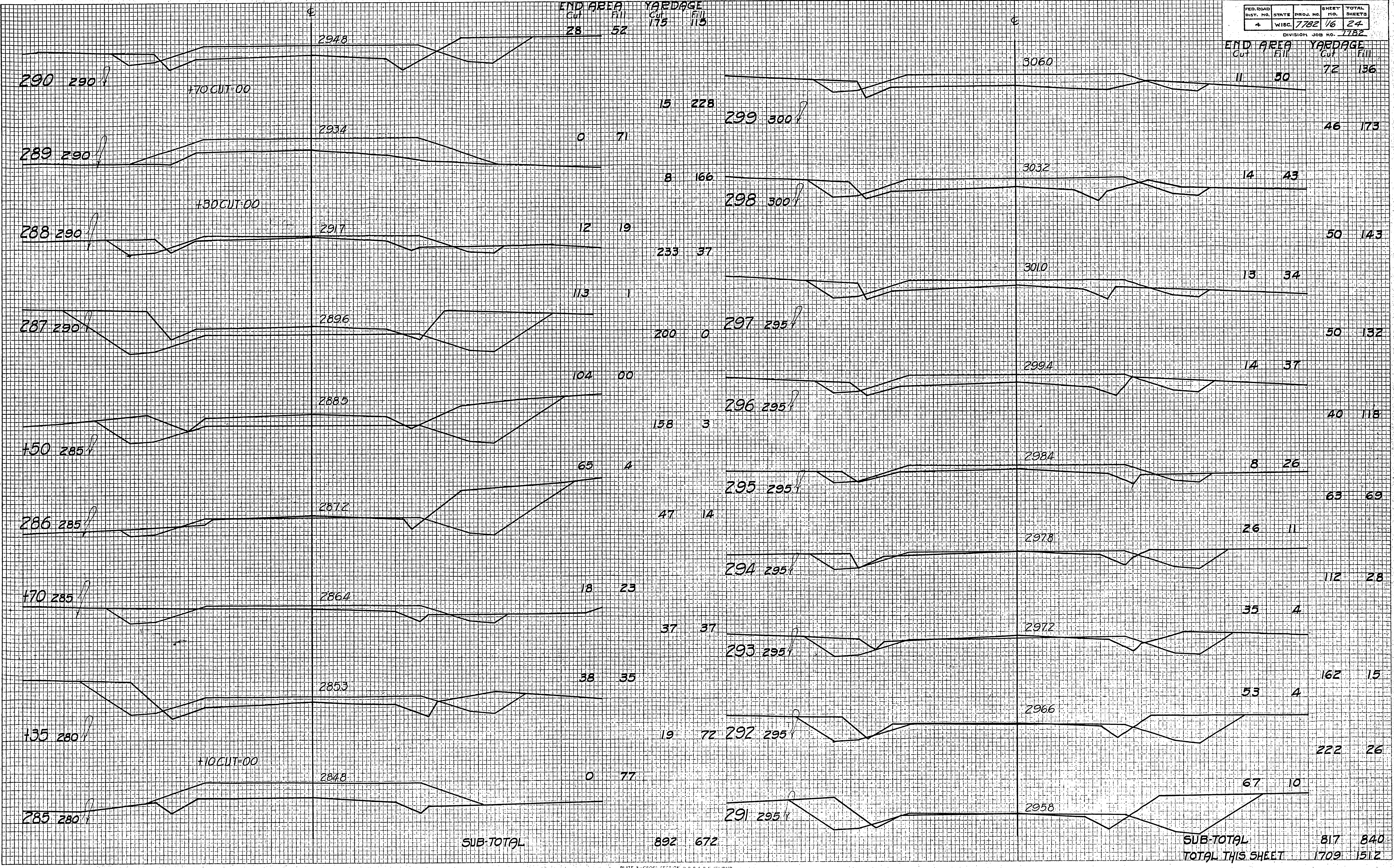
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	7782	16	24
DIVISION JOB NO. 7782				

END AREA		YARDAGE	
Cut	Fill	Cut	Fill
28	52	175	115

END AREA		YARDAGE	
Cut	Fill	Cut	Fill
11	50	72	136

DATE 9-27  
 BY L. J. Wilson  
 SURVEYED P. C. Whittrap  
 PLANNED E. J. Miller  
 NOTE BOOK NO. 4630  
 AREAS CHECKED G. A. Ferguson

DATE  
 BY  
 ORIGINAL SURVEY  
 TEMPLATE  
 NOTE BOOK NO.  
 AREAS CHECKED



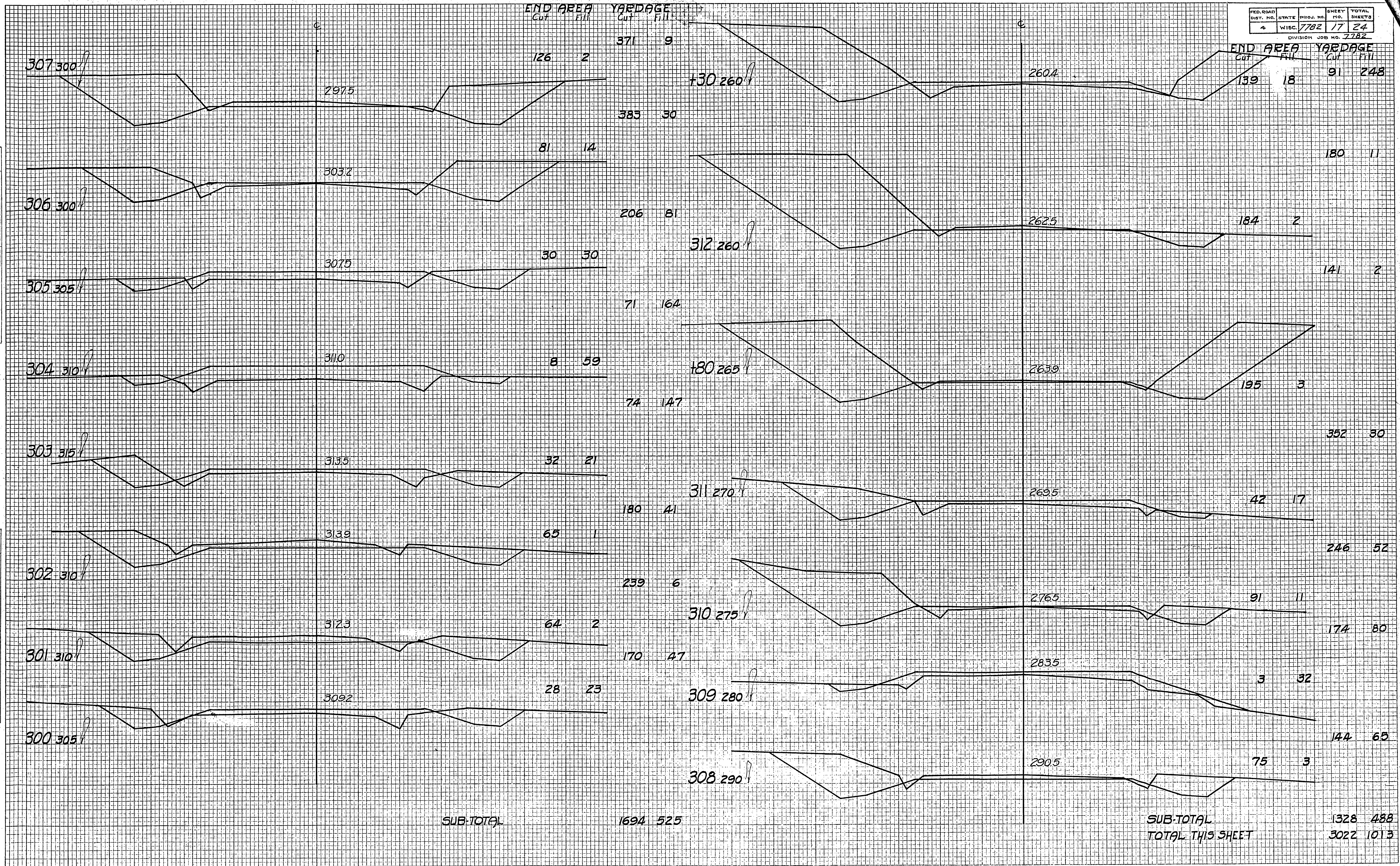


DATE 9-27  
 BY L.M. Peters  
 SURVEYED D.V. D.C.L.  
 PLOTTED G.A. Thompson  
 NOTE BOOK TEMPLATE E.M. Milner  
 NO. 4630 AREAS CHECKED

DATE  
 BY  
 ORIGINAL SURVEYED  
 PLOTTED  
 NOTE BOOK TEMPLATE  
 NO. AREAS CHECKED

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	7782	17	24

DIVISION JOB NO. 7782





FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	7782	19	24
DIVISION JOB NO. 7782				

END AREA YARDAGE  
Cut Fill Cut Fill

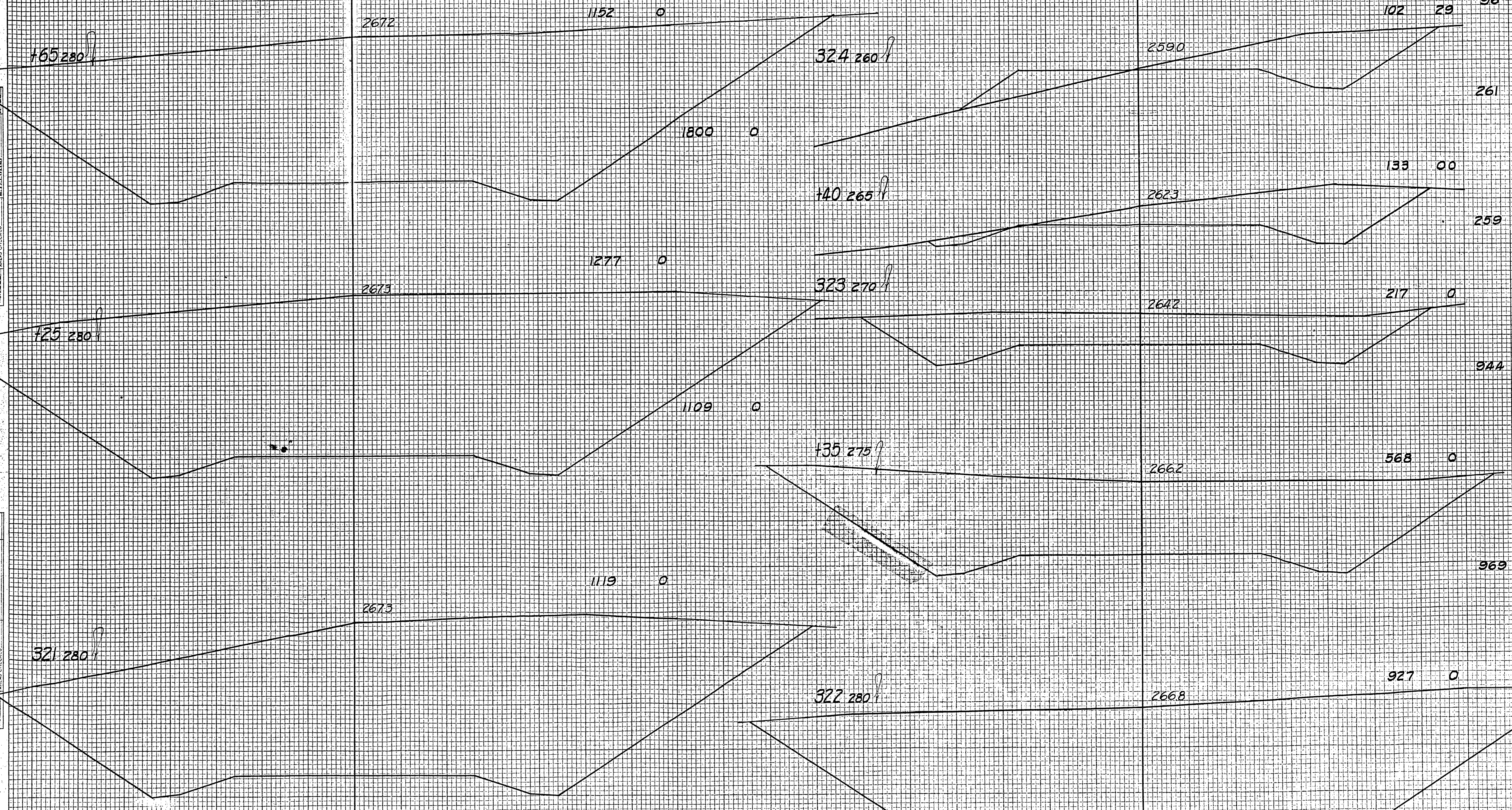
1348 0

END AREA YARDAGE  
Cut Fill Cut Fill

102 29 96 50

DATE 9-28  
BY L.M.P. D.C.  
D.V.F. D.C.  
G.A. Ferguson  
G.A. Ferguson  
E. H. Miller  
SURVEYED BY  
FINAL SURVEY NOTE BOOK NO. 104630  
AREAS CHECKED

DATE  
BY  
ORIGINAL SURVEY PLOTTER  
NOTE BOOK NO.  
AREAS CHECKED



SUB-TOTAL 4257 0

SUB-TOTAL 2529 82  
TOTAL THIS SHEET 6786 82

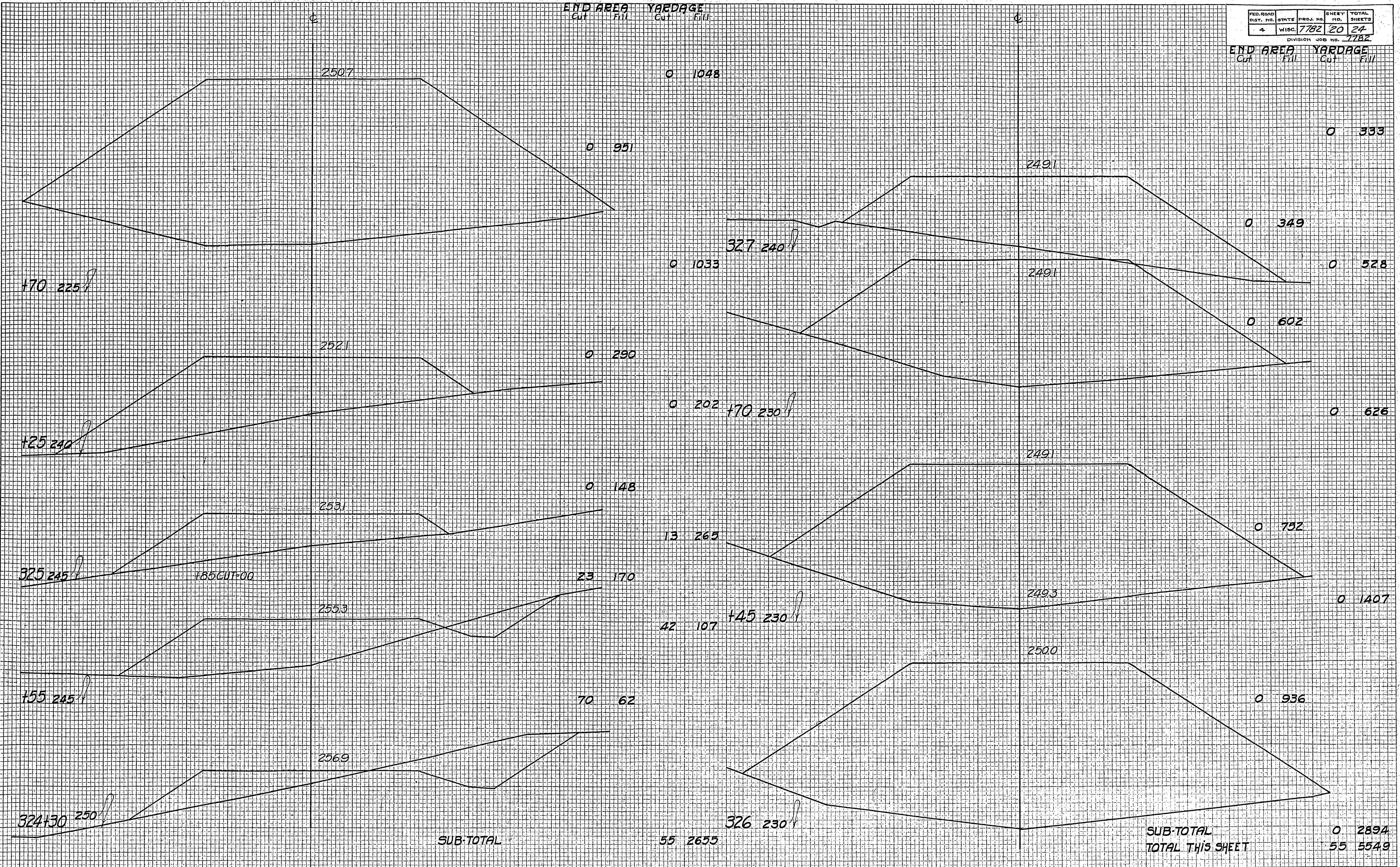
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	7782	20	24
DIVISION JOB NO. 7782				

END AREA YARDAGE  
Cut Fill Cut Fill

END AREA YARDAGE  
Cut Fill Cut Fill

DATE 9-24-28  
BY M. Peters  
L. G. Ferguson  
G. G. Miller  
SURVEYED BY  
NOTE BOOK NO. 1630  
AREAS CHECKED

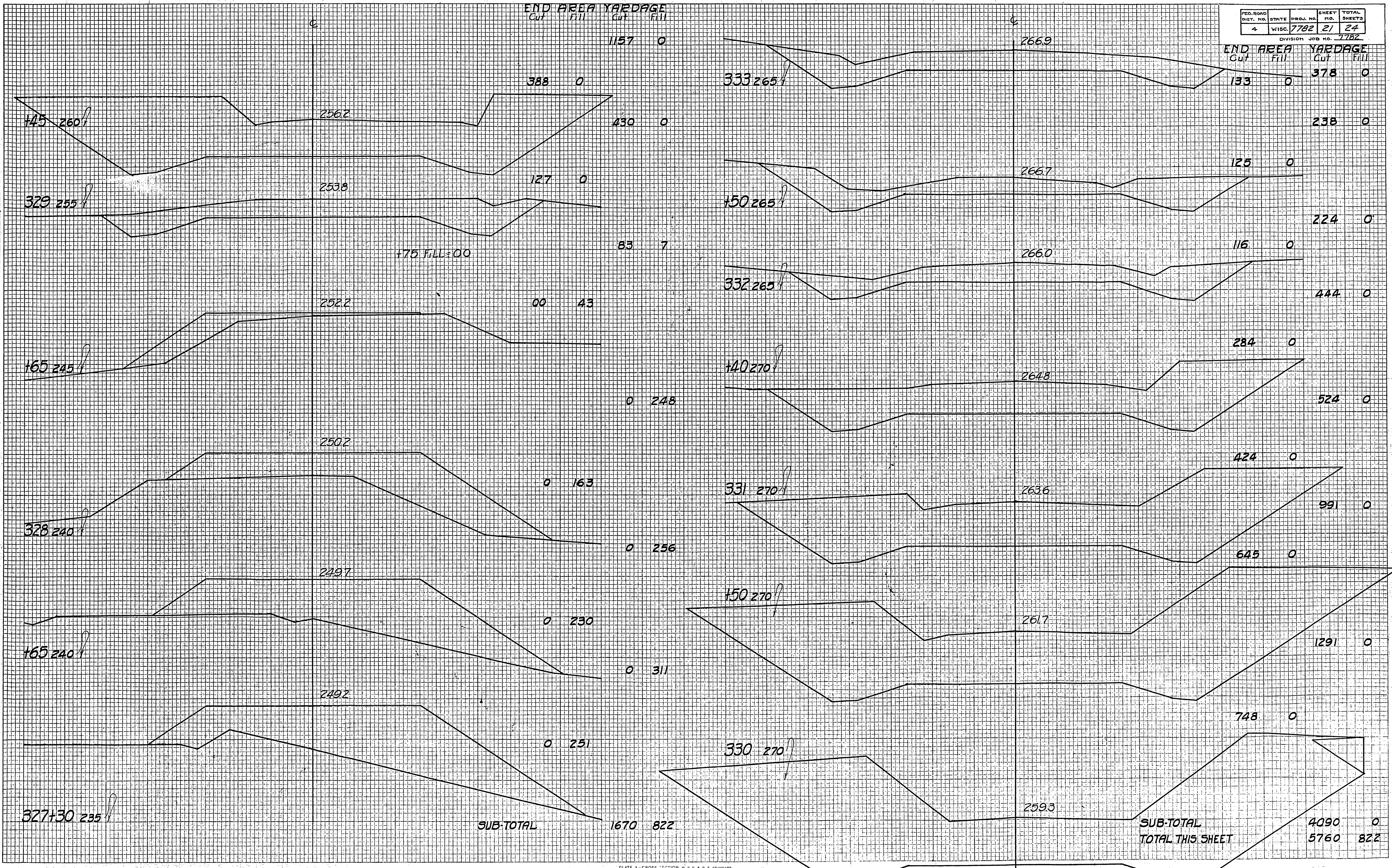
DATE  
BY  
ORIGINAL SURVEY PLOTTED  
NOTE BOOK NO.  
AREAS CHECKED



FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	7782	21	24

DIVISION JOB NO. 7782

END AREA YARDAGE  
Cut Fill Cut Fill



DATE 9-27  
BY L.M. BEARS  
L.M. BEARS  
D.V.P. DCL  
E. W. MILLER  
G. R. FERGUSON

FINAL SURVEY NOTE BOOK NO. 4630

DATE  
BY  
ORIGINAL SURVEY NOTE BOOK NO.



# GRADE SHEET

FED. ROAD DIST. NO.	STATE	PROJ. NO.	AID NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	7782	23	24	24
DIVISION JOB NO. 2782					

STAKE NO.	DISTANCE FROM STAKE TO C.L. OF NEW ROAD	DISTANCE CENTER OF NEW SURFACE ABOVE OR BELOW TOP OF STAKE	CUT OR FILL	ELEVATION OF STAKE	DISTANCE C.L. TO SLOPE STAKES		STAKE NO.	DISTANCE FROM STAKE TO C.L. OF NEW ROAD	DISTANCE CENTER OF NEW SURFACE ABOVE OR BELOW TOP OF STAKE	CUT OR FILL	ELEVATION OF STAKE	DISTANCE C.L. TO SLOPE STAKES		STAKE NO.	DISTANCE FROM STAKE TO C.L. OF NEW ROAD	DISTANCE CENTER OF NEW SURFACE ABOVE OR BELOW TOP OF STAKE	CUT OR FILL	ELEVATION OF STAKE	DISTANCE C.L. TO SLOPE STAKES		
					LEFT OF C.L.	RIGHT OF C.L.						LEFT OF C.L.	RIGHT OF C.L.						LEFT OF C.L.	RIGHT OF C.L.	
232	35	B 16	C 06	282.83	C 00-170	C 24-256	254			F 18		C 39-279	F 115-175	281				C 2.1		C 8.3-345	C 78-337
233	35	B 20	C 06	282.99	C 36-274	C 22-253	255	35	Above 0.3	F 19	261.22	C 08-232	F 109-457	282	35	Below 3.9		C 1.4	293.13	C 7.5-333	C 6.1-31.2
Δ +10	341	RH 43.0					+60			F 10		C 19-249	F 90-400	+45				F 1.0		F 2.8-214	F 3.7-241
+50			C 07		C 43-285	C 40-280	256	35	Above 2.5	F 03	254.14	C 11-237	C 22-253	283	35	Above 6.0		F 3.0	280.72	F 5.9-307	F 6.0-31.0
234	35	B 28	F 12	282.31	C 40-280	F 57-216	SS +40			C 01		C 05-228	C 80-340	+75				F 3.5		F 5.7-292	F 5.8-30.4
+40			F 2.5		C 23-252	F 23-278	SS 257	35	Above 9.0	F 12	245.04	F 96-418	C 55-303	284	35	Above 4.1		F 3.5	279.99	F 4.5-265	F 6.2-31.6
+70			F 2.3		C 20-250	F 177-395	SS +45			F 17		F 98-424	C 07-231	285	35	Above 2.7		F 1.8	282.06	F 2.4-20.2	F 2.7-21.1
235	35	Below 1.1	F 18	279.59	C 18-247	F 171-387	SS 258	35	Below 1.9	F 06	254.91	F 56-298	C 43-285	+35				F 0.6		C 4.1-28.2	C 2.5-25.8
+60			C 01		C 50-304	F 40-190	SS +55			F 05		F 11-163	C 13-240	+70				F 0.5		C 2.0-25.0	C 11-23.7
236	35	Below 3.5	C 01	282.92	C 53-300	F 05-145	259	35	Below 1.0	F 08	254.99	F 13-169	C 37-276	286	35	Above 1.2		C 02	286.03	C 0.8-23.2	C 6.5-31.8
237	35	Below 1.9	F 08	283.14	C 27-261	F 18-184	+55			F 10		F 46-268	C 48-292	+50				C 1.4		C 2.8-26.2	C 5.6-30.4
+50			C 08		C 45-288	C 45-288	260	35	Below 0.1	C 08	255.23	C 24-256	C 65-318	287	36	Below 3.9		C 1.0	293.50	C 5.4-30.1	C 4.7-29.1
238	35	Below 2.6	C 1.4	285.70	C 41-282	C 43-285	+50			C 18		C 52-298	C 91-357	288	35	Even		F 0.3	291.73	C 1.8-24.7	C 0.9-23.4
239	35	Below 1.0	C 0.5	285.68	C 29-264	C 29-274	SD 261	35	Below 2.0	C 16	256.99	C 48-292	C 35-363	289	35	Above 2.2		F 1.5	291.23	F 3.1-22.3	F 3.2-22.6
240	35	Below 1.2	F 0.4	286.15	C 27-261	C 22-263	SD 262	35	Above 0.6	C 17	252.41	C 34-271	C 147-440	290	35	Below 1.9		F 1.2	296.69	C 1.5-24.3	C 3.2-26.8
POT +104							+60			C 0.5		C 04-228	C 155-422	291	35	Below 3.2		Grade	299.02	C 3.6-27.4	C 5.0-23.5
+60			F 0.7		C 26-259	C 18-257	SD 263	40	Below 6.0	F 0.4	257.35	F 84-382	C 58-307	292	35	Below 1.7		C 0.2	298.26	C 3.1-26.7	C 3.5-27.3
241	35	Below 0.2	F 0.1	284.08	C 30-265	C 19-259	SD +45			F 17		F 72-346	F 39-189	SS 293	36	Below 1.3		C 0.3	298.50	C 2.4-25.6	C 2.6-25.9
242	35	Below 3.3	C 0.8	284.32	C 50-295	C 33-280	SD +75			F 2.7		F 38-244	F 53-210	SS 294	35	Below 0.5		Grade	298.26	C 2.0-25.0	C 2.3-25.5
243	35	Below 4.0	Grade	280.54	C 55-303	C 16-344	SD 264	40	Below 0.5	F 3.2	252.53	F 35-235	F 50-205	SS 295	35	Above 0.1		F 0.5	298.32	C 1.4-24.1	C 1.1-23.7
+55			F 0.7		C 05-228	C 77-343	SD +40			F 4.1		F 52-286	F 43-195	SS 296	35	Above 0.6		F 0.9	298.85	C 1.5-24.3	C 1.4-24.1
244	35	Above 0.8	F 3.0	271.73	F 16-178	C 12-248	SD 265	35	Above 6.7	F 5.7	248.00	F 74-352	F 03-285	POT 297	35	Below 1.2		F 0.7	302.21	C 2.2-25.3	C 0.9-23.4
+55			F 4.8		SS F 14-301	F 79-367	+60			F 5.7		F 49-277	F 96-273	SS 298	40	Above 0.7		F 1.0	302.52	C 2.1-25.2	C 0.9-23.4
245	35	Above 2.4	F 4.2	268.51	SS F 139-339	F 35-235	266	35	Above 9.1	F 4.4	250.91	F 27-211	F 89-264	SS 299	40	Below 0.8		F 1.4	306.78	C 1.6-24.4	C 0.9-23.4
+45			F 2.0		SS F 102-280	C 06-229	+45			F 3.4		F 28-214	F 31-267	SS 300	35	Below 1.6		F 0.6	310.84	C 2.8-26.2	C 2.0-25.0
246	35	Above 7.3	F 0.1	264.04	C 23-253	F 17-156	SD 267	35	Below 3.4	F 1.6	270.35	C 22-283	F 30-176	SS 301	45	Below 3.0		C 0.8	315.31	C 3.6-27.4	C 2.4-25.6
+40			C 0.5		C 85-318	C 43-285	268	40	Below 4.8	C 1.8	278.77	C 70-325	C 00-220	302	55	Below 3.6		C 0.9	317.48	C 4.7-28.6	C 1.9-24.9
+70			C 0.3		C 70-325	C 105-377	+40			C 2.7		C 93-360	C 35-273	Δ +12	55	RH 47.7					
247	35	Below 3.7	F 0.3	277.67	C 00-200	C 48-292	269	35	Below 3.3	C 3.1	284.32	C 57-306	C 63-315	303	50	Below 2.0		F 0.4	315.56	C 3.4-27.2	C 1.8-24.7
+30			F 1.3		SS F 124-316	F 51-283	+50			C 2.6		C 29-264	C 67-321	304	40	Above 0.6		F 1.6	310.43	C 1.1-23.7	C 0.9-23.4
+70			F 1.2		SS F 50-205	F 2.8-214	270	50	Below 0.4	C 1.3	287.43	C 19-249	C 50-295	305	36	Above 0.3		F 0.9	307.19	C 1.5-24.3	C 2.5-25.8
248	35	Above 5.4	F 1.1	272.30	SS F 14-151	C 00-215	271	50	Below 3.0	F 0.5	294.01	C 35-273	F 30-220	306	35	Below 3.4		F 0.1	306.61	C 4.1-28.2	C 4.7-29.1
+40			F 0.5		C 77-338	F 16-154	SS +55			F 0.3		C 53-300	F 12-166	POT 307	35	Below 3.4		C 0.7	301.58	C 6.1-31.2	C 5.3-30.0
249	35	Above 8.7	Grade	271.75	C 88-352	F 61-222	POT 289	48	RH 47					308	35	Above 0.4		C 0.5	290.61	C 5.6-30.4	C 2.3-25.5
+50			C 0.5		C 77-338	F 35-183	SS 272	35	Above 1.4	F 0.1	291.91	C 40-280	F 00-130	309	35	Above 5.1		F 0.4	278.44	C 1.0-23.5	F 4.9-27.7
250	35	Below 1.4	C 0.7	282.86	C 28-262	F 63-225	SS 273	35	Below 1.7	F 0.9	296.07	C 31-267	F 11-163	310	36	Below 6.9		F 0.1	283.36	C 8.1-34.2	C 2.0-25.0
+45			C 1.2		C 6.6-31.9	C 27-261	274	40	Even	F 1.7	294.55	C 06-229	F 26-208	311	35	Above 2.0		F 0.4	267.46	C 4.7-29.1	C 0.5-22.8
POT 251	43	Below 3.2	C 1.0	283.40	C 46-289	C 43-285	275	35	Below 1.6	F 1.1	296.50	C 06-229	C 22-253	+80				C 0.3		C 9.6-36.4	C 8.8-35.2
+45			C 0.3		C 52-298	C 45-288	276	35	Below 0.4	C 0.2	295.70	C 47-291	C 20-250	312	35	Above 0.8		C 0.4	262.07	C 11.3-38.9	C 1.6-24.4
252	45	Below 6.7	F 0.3	283.80	C 05-228	C 75-333	277	37	Below 2.8	C 0.8	298.25	C 39-279	C 35-273	+30				F 0.2		C 9.6-36.4	C 5.3-30.0
+50			F 1.1		F 63-319	C 15-243	278	35	Below 2.5	C 0.5	298.57	C 37-276	C 23-255	313	35	Above 8.2		F 2.2	247.37	F 4.6-26.8	F 10.2-43.6
253	45	Below 5.3	F 1.0	277.19	C 26-259	C 22-253	279	35	Below 0.9	Grade	296.75	C 23-255	C 24-256	+50				F 4.7		F 7.5-35.5	F 11.4-47.2
+55			F 0.2		C 132-418	C 24-256	280	35	Below 1.3	C 0.4	296.66	C 38-277	C 30-265	314	35	Above 7.9		F 6.4	243.21	F 7.5-35.5	F 9.0-40.0
254	35	Above 2.1	F 0.9	264.57	C 121-401	C 11-237	281	35	Below 4.6	C 1.7	297.37	C 58-307	C 62-313	315	35	Above 4.3		F 7.4	241.71	F 7.1-34.3	F 8.0-37.0

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 ORIGINAL SURVEY PLOTTED \_\_\_\_\_  
 TEMPLATE NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 ORIGINAL SURVEY PLOTTED \_\_\_\_\_  
 TEMPLATE NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

NOTE: IN GRADING CHECK HEIGHT OF FINISHED GRADE BY COLUMN NO. 3 OF GRADE SHEET. IN SETTING SLOPE STAKES, FACE IN DIRECTION IN WHICH STATION NUMBERS INCREASE.

# GRADE SHEET

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEY PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 ORIGINAL SURVEY PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_

STAKE No.	DISTANCE FROM STAKE TO C.L. OF NEW ROAD	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE	CUT OR FILL	ELEVATION TOP OF STAKE	DISTANCE C. L. TO SLOPE STAKES		STAKE No.	DISTANCE FROM STAKE TO C.L. OF NEW ROAD	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE	CUT OR FILL	ELEVATION TOP OF STAKE	DISTANCE C. L. TO SLOPE STAKES		STAKE No.	DISTANCE FROM STAKE TO C.L. OF NEW ROAD	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE	CUT OR FILL	ELEVATION TOP OF STAKE	DISTANCE C. L. TO SLOPE STAKES		
					LEFT OF C. L.	RIGHT OF C. L.						LEFT OF C. L.	RIGHT OF C. L.						LEFT OF C. L.	RIGHT OF C. L.	
316	35	Above 6.2	F 6.6	242.66	F 6.9-33.7	F 6.8-33.4	335	45	Below 3.9	F 0.1	267.44	F 2.3-19.9	F 6.1-31.3								
317	35	Above 2.6	F 4.6	248.37	F 5.4-39.2	F 4.1-25.3	+50			C 0.7		C 4.5-28.8	C 2.2-25.3								
+70			F 3.3		F 3.4-23.2	F 1.1-16.3	336	45	Below 8.1	C 0.9	267.26	C 9.0-35.5	C 8.4-34.6								
318	40	Above 0.7	F 4.1	253.11	F 3.3-32.9	F 2.0-19.0	+55			C 1.5		C 13.8-42.7	C 11.0-38.5								
+30			F 1.9		F 3.6-23.8	F 1.7-18.1	337	50	Below 9.7	C 1.5	262.75	C 10.8-38.2	C 3.1-26.7								
319	35	Above 2.6	F 2.4	259.31	F 2.9-21.7	F 2.5-20.5	+50			C 1.5		C 16.0-46.0	C 0.0-12.5								
320	35	Above 3.5	F 2.8	262.31	F 3.7-24.1	F 2.3-19.9	338	45	Below 8.9	Grade	255.24	C 10.3-37.4	F 14.3-34.5 S.S.								
+23			F 3.2		F 3.9-24.7	C 1.6-2.4	+45			F 1.4		C 10.7-38.0	F 19.4-42.1 S.S.								
+55			C 5.5		C 3.4-27.1	C 10.7-38.0	339	45	Above 17.5	F 2.9	222.21	F 2.9-21.7	F 15.6-36.4								
321	55	Below 6.4	C 16.6	273.69	C 11.2-38.8	C 18.4-49.6	340	40	Above 1.1	F 2.7	232.02	F 4.1-25.3	F 7.2-23.8								
+25			C 17.5		C 14.8-43.2	C 19.0-50.5	+100			Grade											
P.O.T.	+347	51 50																			
+65			C 15.7		C 14.3-43.4	C 20.2-52.3															
322	57	Below 10.7	C 12.5	277.53	C 13.5-42.3	C 16.6-46.9															
+35			C 7.9		C 12.2-40.3	C 10.8-38.2															
323	36	Below 3.4	C 3.3	267.60	C 5.3-30.0	C 6.0-31.0															
+40			C 2.0		C 0.5-22.8	C 6.0-31.0															
324	44	Above 10.0	C 0.2	248.98	F 4.3-19.5	C 6.7-32.1															
+30			F 1.6		F 5.8-21.7	C 6.8-32.2															
+55			F 5.7		F 6.8-23.2	C 5.2-29.8															
325	45	Above 7.1	F 3.9	246.00	F 7.2-23.8	F 2.3-16.5 S.S.															
+25			F 6.7		F 12.0-31.0	F 4.3-19.5 S.S.															
+70			F 2.0		F 14.7-35.1	F 15.6-36.4 S.S.															
326	40	Above 10.0	F 2.0	239.95	F 13.4-33.1	F 15.9-36.9 S.S.															
+45			F 1.7		F 11.2-29.8	F 15.8-33.7 S.S.															
+70			F 15.5		F 8.8-26.2	F 2.5-31.8 S.S.															
327	55	Above 4.0	F 8.4	245.05	F 5.4-21.1	F 2.2-31.3 S.S.															
+30			F 5.4		F 4.6-19.9	F 13.5-33.3 S.S.															
+65			F 4.9		F 4.3-19.5	F 1.6-30.4 S.S.															
328	39	Above 8.5	F 2.8	241.73	F 3.2-17.8	F 10.6-28.9 S.S.															
+65			F 0.3		F 6.7-23.1	F 0.0-13.0															
329	35	Below 2.0	C 2.2	255.79	C 2.5-25.8	C 4.1-28.2															
+45			C 4.6		C 9.5-36.3	C 9.6-36.4															
330	45	Below 12.5	C 6.0	271.78	C 13.8-42.7	C 17.6-48.4															
+50			C 6.4		C 11.6-39.4	C 16.0-46.0															
331	35	Below 10.2	C 5.6	273.77	C 7.5-33.3	C 11.6-39.4															
+40			C 4.1		C 5.1-29.7	C 8.8-35.2															
332	35	Below 0.5	C 2.4	268.86	C 3.2-26.8	C 4.5-28.8															
+50			C 2.0		C 5.9-30.9	C 4.2-28.3															
333	35	Below 4.5	C 2.5	271.41	C 5.2-23.8	C 2.3-25.5															
+50			C 2.6		C 10.2-37.3	C 4.3-28.5															
P.O.T.	334	40 RH 39 RH 40	Below 4.8	C 2.0	270.82	C 6.8-32.2	C 0.0-18.5														
+50			C 0.7		C 3.1-26.7	F 5.8-30.4															

NOTE: IN GRADING CHECK HEIGHT OF FINISHED GRADE BY COLUMN No. 3 OF GRADE SHEET. IN SETTING SLOPE STAKES, FACE IN DIRECTION IN WHICH STATION NUMBERS INCREASE.