

CONVENTIONAL SIGNS & ABBREVIATIONS

STATE LINE	-----	EXCAVATION	.....	E
COUNTY LINE	-----	EMBANKMENT	.....	F
TOWNSHIP LINE	-----	OVERHAUL	.....	H
SECTION LINE	-----	SURFACING	.....	S
CITY, VILLAGE, OR BOROUGH	-----	GUARD RAIL	.....	GR
FENCE LINE	-----	INTERSECTION ANGLE	.....	A
RIGHT-OF-WAY LINE	-----	RADIUS	.....	R
TRAVELLED WAY	-----	ELEVATION	.....	EL
RAILROADS	-----	VERTICAL CURVE	.....	VC
RETAINING WALL	-----	BENCH MARK	.....	B.M.
BASE OR SURVEY LINE	-----	SECTIONAL CONCRETE CULVERT	.....	P.C.
LEVEE	-----	CORRUGATED METAL CULVERT	.....	C.M.
GRAVEL PIT	.....	CULVERT HAUL	.....	P.H.
SAND PIT	.....	TON MILES	.....	T.M.
CLAY PIT	.....	PLACE	.....	P
ROCK QUARRY	.....	IN PLACE	.....	INP
CULVERTS	.....	REPLACE	.....	Rep
PLAIN	.....	RIGHT	.....	R
WITH FACEWALLS	.....	LEFT	.....	L
WITH WINGWALLS	.....	HAND DITCHING	.....	H.D.
DROP INLET	.....	POINT OF CURVE	.....	P.C.
POWER POLE LINE	.....	POINT OF TANGENT	.....	P.T.
TELEPHONE OR TELEGRAPH LINE	.....	POINT OF INTERSECTION	.....	P.I.
MARSH	.....	SPECIAL EXCAVATION	.....	S.E.
HEPGE, BRUSH, OR TIMBER	.....	SPECIAL FLOWING	.....	S.F.
GROUND ELEVATION	.....	TELEPHONE POLE	.....	Tel.P.
GRADE ELEVATION	.....		

OFFICE OF COUNTY SURVEYOR

RAMSEY COUNTY

Plan and Profile of County Road I

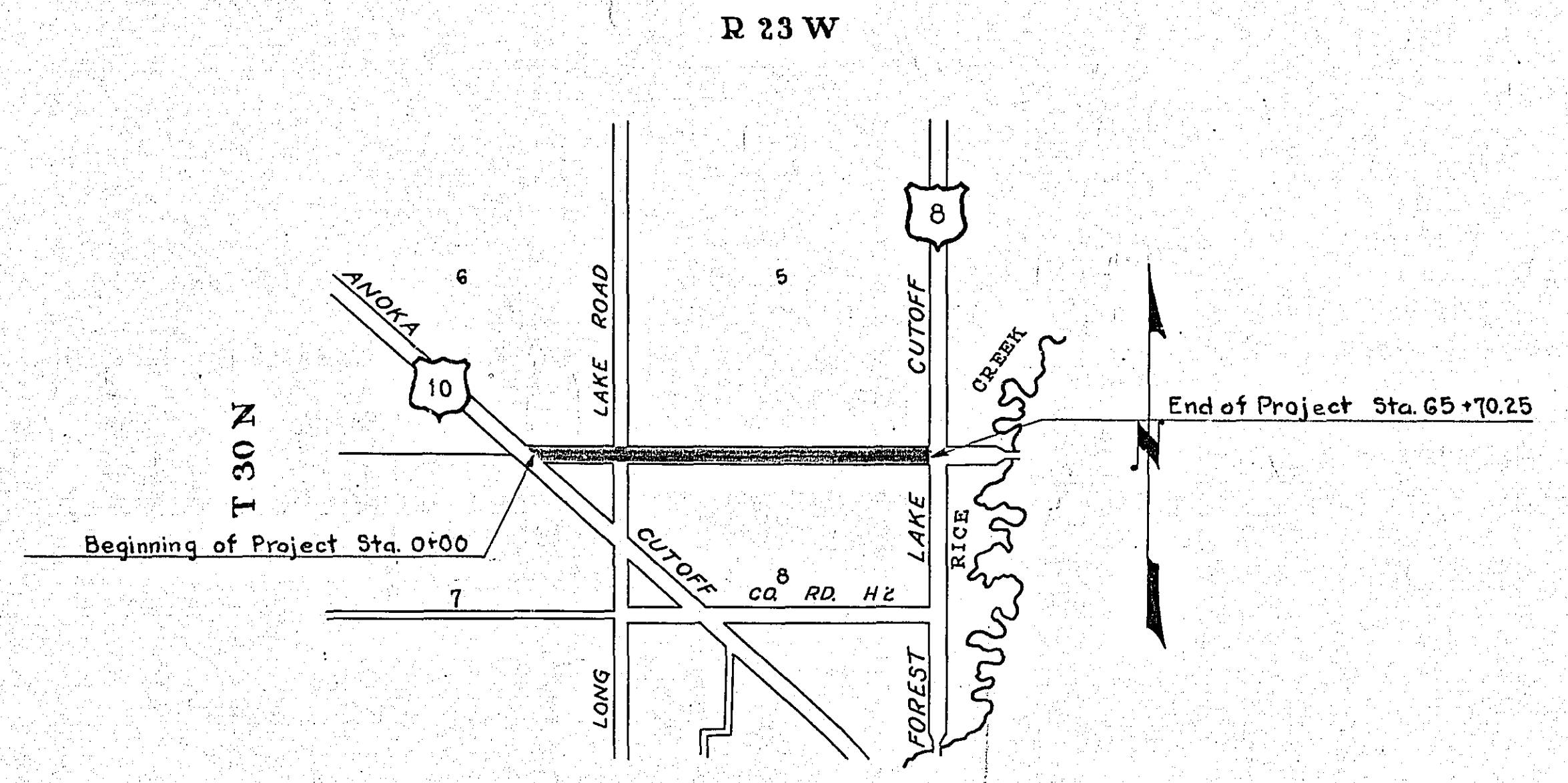
From A point 1293.63 W. S.E. Cor. Sec. 6-T30N-R23W To S.E. Cor. Sec. 5-T30N-R23W

GROSS LENGTH 6570.25 FEET 1.24 MILES
 LENGTH OF EXCEPTIONS FEET MILES
 NET LENGTH 6570.25 FEET 1.24 MILES
 PLAN, 1 Inch = 100 Feet
 PROFILE, Horz. 1 Inch = 100 Feet. Vert. 1 Inch = 10 Feet
 WORKING PLANS { Horz. 1 Inch = 100 Feet
 Vert. 1 Inch = 10 Feet
 Cross-Sections, 1 Inch = 10 Feet

LAYOUT
 SCALE, 1 Inch = 2640 Feet

INDEX OF SHEETS

- Sheet No. 1. Title Sheet and Layout Map
- " No. 2. Typical Cross-Sections and Statement
- " No. 3. Plan and Profile, Sta. 0+00 to Sta. 56+32
- " No. 4. " " " Sta. 56+32 to Sta. 65+70.25
- " No. 5 to 10 Cross Sections

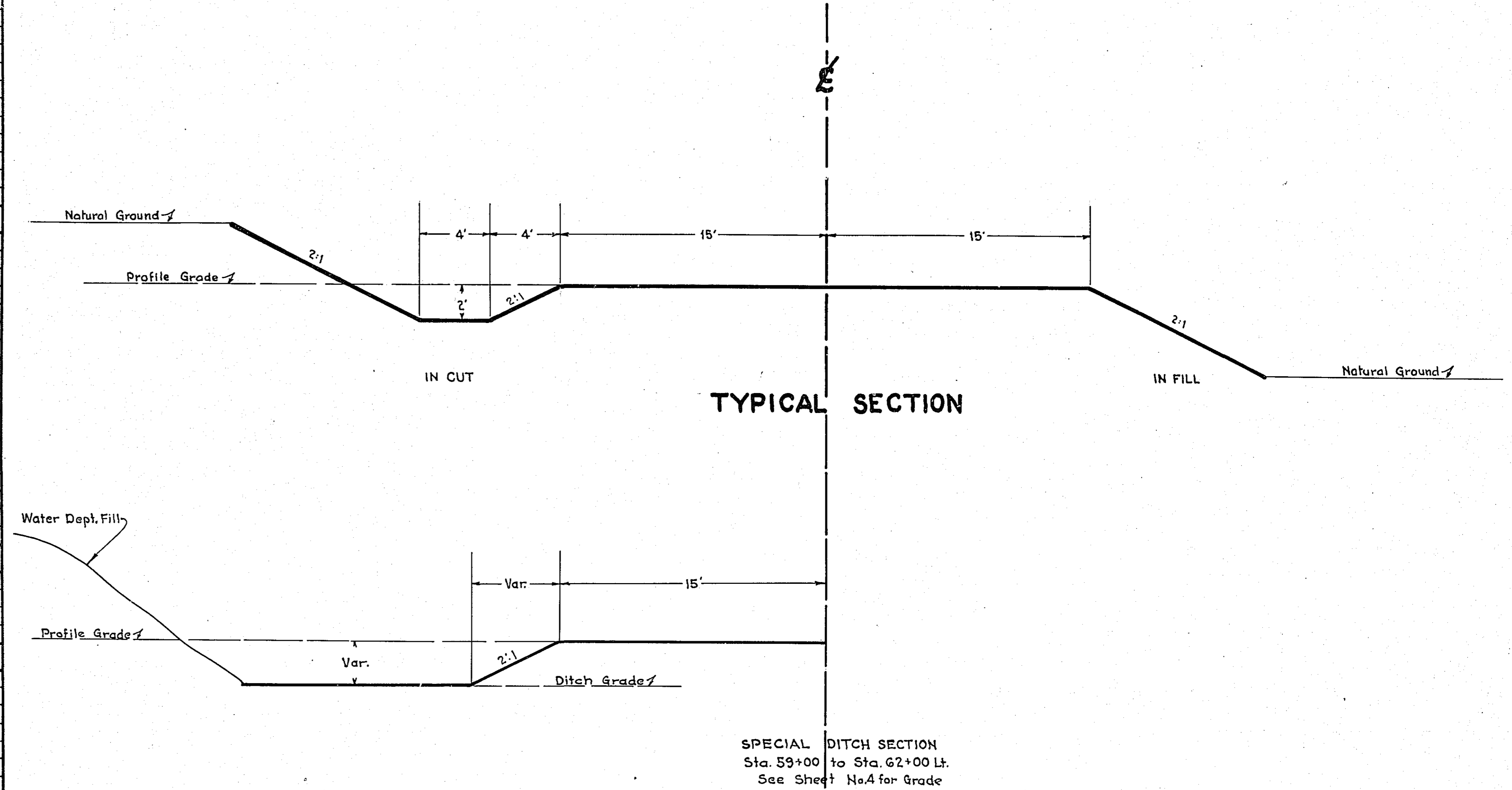


Date of Resolution for Preparation of Plans Aug. 15 1938
 Planned by A. D. Crumpton
 OFFICE ENGINEER
 Approved 3/3 1938 W. G. Peterson
 COMMISSIONER OF PUBLIC UTILITIES
 Plans Approved and Recommended for Consideration Daniel S. Brown
 COUNTY SURVEYOR
 Approved by County Board 3/6 1938 W. H. Tallon
 CHAIRMAN OF COUNTY BOARD

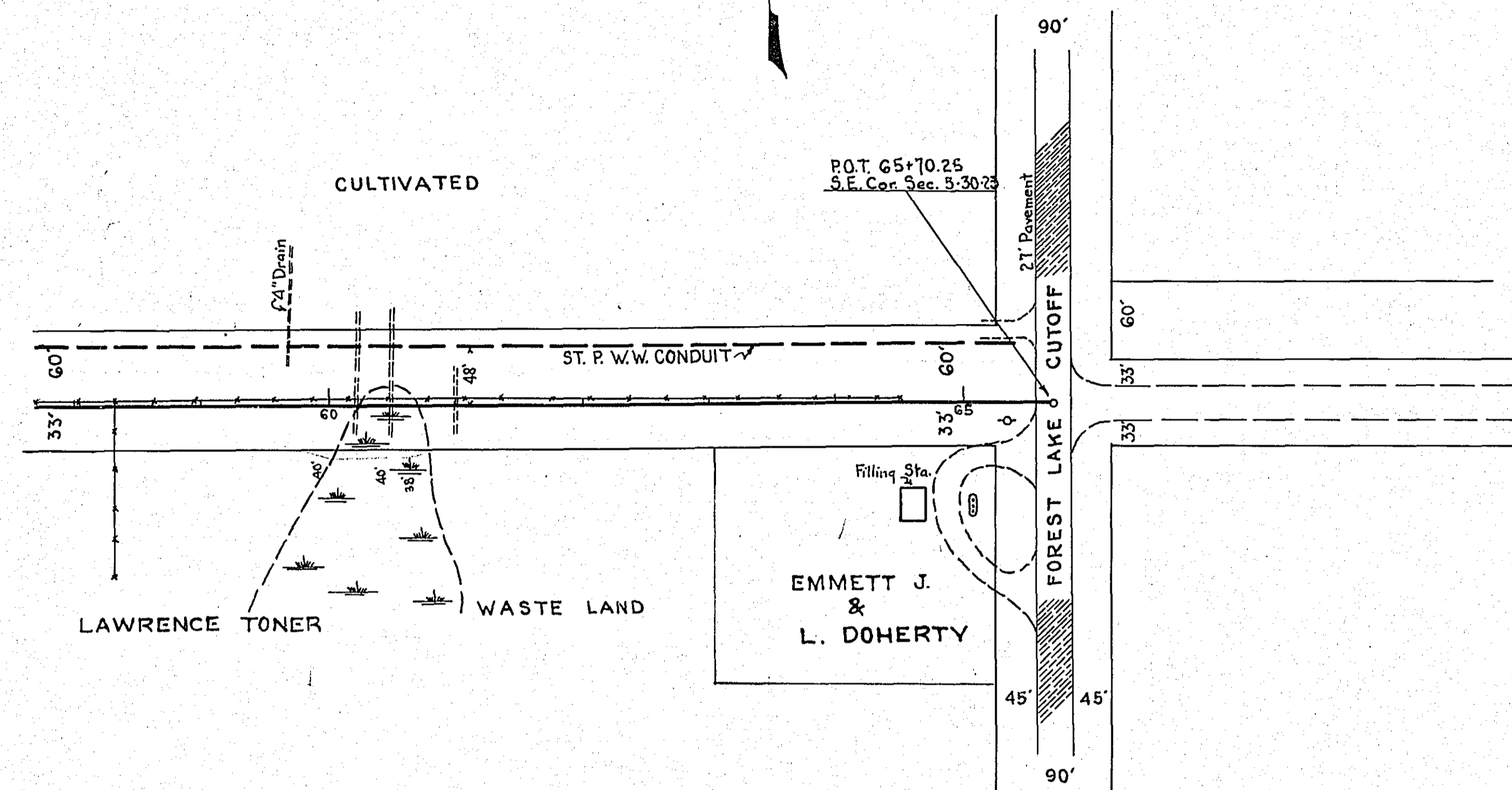
STATEMENT OF ESTIMATED QUANTITIES

CLASS	ITEM	UNIT	MILE - 1 From 0+00 To 65+10.25	MILE From To	MILE From To	MILE From To	MILE From To	MILE From To	MILE From To	MILE From To	MILE From To	MILE From To	TOTAL ESTIMATED QUANTITIES
GRADING	1	Clearing	Trees	200									
	2	Grubbing	Trees	200									
	3	Clearing	Acres										
	4	Grubbing	Acres										
	5	Excavation Earth	Cu. Yds.	1592.1									
	6	Excavation Loose Rock	Cu. Yds.										
	7	Excavation Solid Rock	Cu. Yds.										
	8	Excavation Overhaul	Cu. Yds.										
	9	Excavation Special	Cu. Yds.										
	10	Excavation Hand Ditch	Cu. Yds.										
	11	Install 12" C.M.	Lin. Ft.										
	12	Install 15" C.M.	Lin. Ft.	306									
	13	Install 18" C.M.	Lin. Ft.	48									
	14	Install 24" C.M.	Lin. Ft.										
	15	Install 36" C.M.	Lin. Ft.	44									
	16	Install	Lin. Ft.										
	17	Install 18" Ps	Lin. Ft.	72									
	18	Install 24" Ps	Lin. Ft.										
	19	Install 30" Ps	Lin. Ft.										
	20	Install 36" Ps	Lin. Ft.										
	21	Install	Lin. Ft.										
	22	Install	Lin. Ft.										
	23	Remove Old Culvert	Lin. Ft.										
	24	Replace Old Culvert	Lin. Ft.										
	25	Finishing and Seeding	100-Sq.Yds.	5000									
	26	Rubble Gutter	Cu. Yds.										
	27	Headwall Concrete	Cu. Yds.										
	28	Headwall Steel	Lbs.										
	29	Remove Fence	Lin. Ft.	5000									
	30	Repl. Fence	"	5000									
	31												
	32												
C.M. CULVERTS	1	Furnish 12" C.M.	Lin. Ft.										
	2	Furnish 15" C.M.	Lin. Ft.	306									
	3	Furnish 18" C.M.	Lin. Ft.	48									
	4	Furnish 24" C.M.	Lin. Ft.										
	5	Furnish 36" C.M.	Lin. Ft.	44									
	6	Furnish	Lin. Ft.										
	7	Furnish 12" C.M. Band	Each										
	8	Furnish 15" C.M. Band	Each										
	9												
	10												
P3 CULVERTS	1	Furnish 18" Ps	Lin. Ft.	72									
	2	Furnish 24" Ps	Lin. Ft.										
	3	Furnish 30" Ps	Lin. Ft.										
	4	Furnish 36" Ps	Lin. Ft.										
	5												
	6												
GUARD RAIL	1	Guard Rail - Cable	Lin. Ft.	1800									
	2	Guard Rail Anchors	Each	6									
	3	Dummy Posts	Each										
	4												
SIDEWALKS AND CURBING	1	Concrete Curb - Straight	Lin. Ft.										
	2	Concrete Curb - Radius	Lin. Ft.										
	3	Remove Old Curb	Lin. Ft.										
	4	Remove Old Curb and Gutter	Lin. Ft.										
	5	Remove Old Sidewalk	Sq. Ft.										
	6	Replace Old Sidewalk	Sq. Ft.										
	7	Construct New Sidewalk	Sq. Ft.										
	8	Curb Inlet	Each										
	9	Catch Basin Complete	Each										
	10												
	11												
	12												
SEWER	1	12" Vitrified Sewer Pipe	Lin. Ft.										
	2	15" Vitrified Sewer Pipe	Lin. Ft.										
	3	18" Vitrified Sewer Pipe	Lin. Ft.										
	4	20" Vitrified Sewer Pipe	Lin. Ft.										
	5	24" Vitrified Sewer Pipe	Lin. Ft.										
	6	Manhole Complete	Each										
	7	Catch Basin Complete	Each										
8													
9													
10													
SURFACE	1	Loading Gravel	Cu. Yds.										
	2	Hauling Gravel	C.Y. MI.										
	3	Shaping & Compacting	Cu. Yds.										
	4	Oil Stabilization	Sq. Yds.	116,250									
	5	Out-back Black Top	Sq. Yds.	116,250									
	6	Gravel (On-site)	Cu. Yds.	625									
7													
8													
STRUCTURES	1	Concrete	Cu. Yds.										
	2	Reinforcing Steel	Lbs.										
	3	Excavation	Cu. Yds.										
	4	Piling	Lin. Ft.										
	5												
	6												
	7												
	8												
	9												
	10												

DETAILS

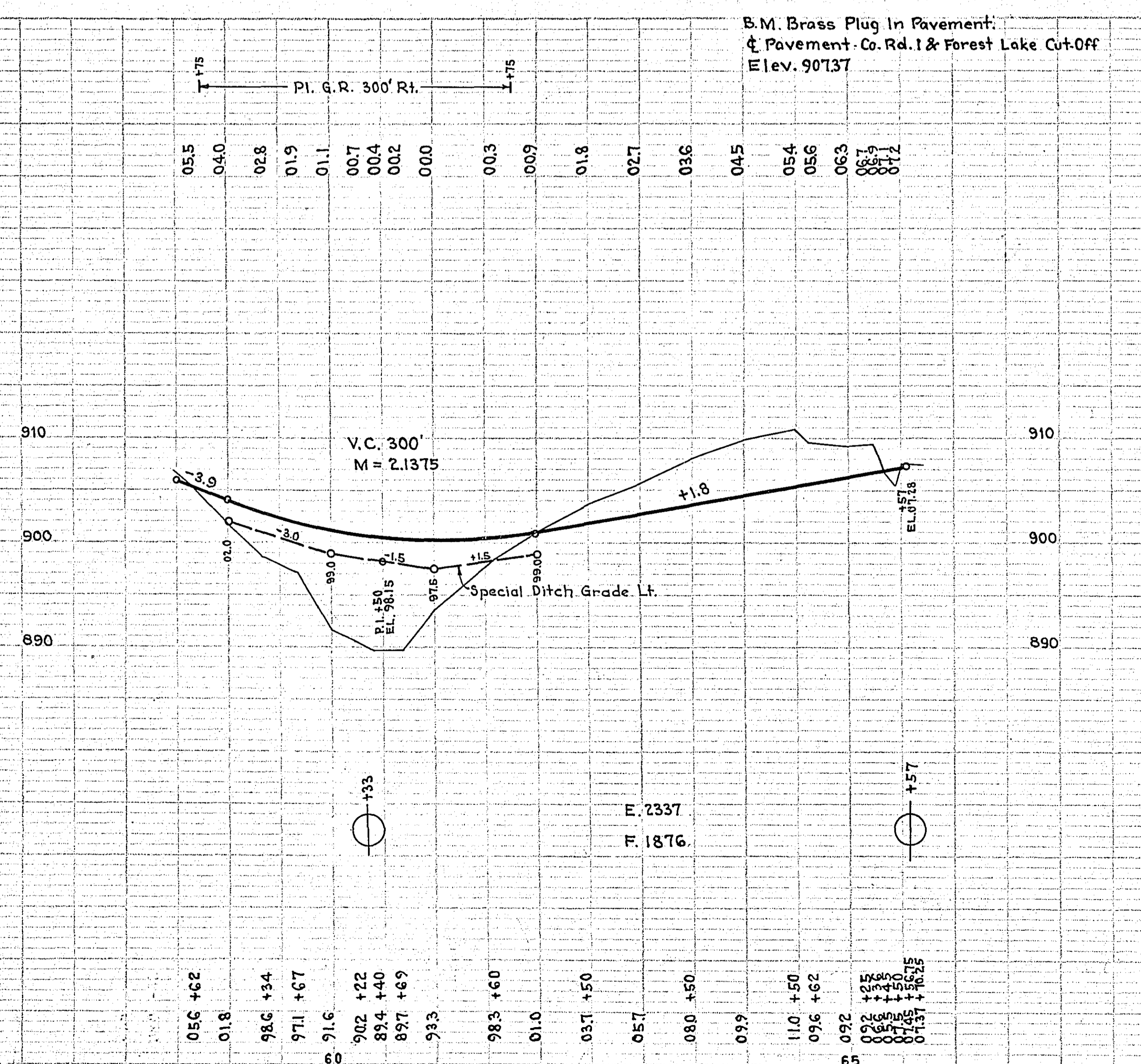


60+22 ± 60+50 ± 61+00 ±
 Inp. 15'x45' C.M. Inp. 15'x54' C.M. Pl. 18" x 48" C.M.
 Ext. 15'x66' C.M. Ext. 15'x 60' C.M.



PLAN	DATE
DESIGNED	
PLOTTED	
CHECKED	
APPROVED	
BY	

PROFILE	DATE
DESIGNED	
PLOTTED	
CHECKED	
APPROVED	
BY	



2817