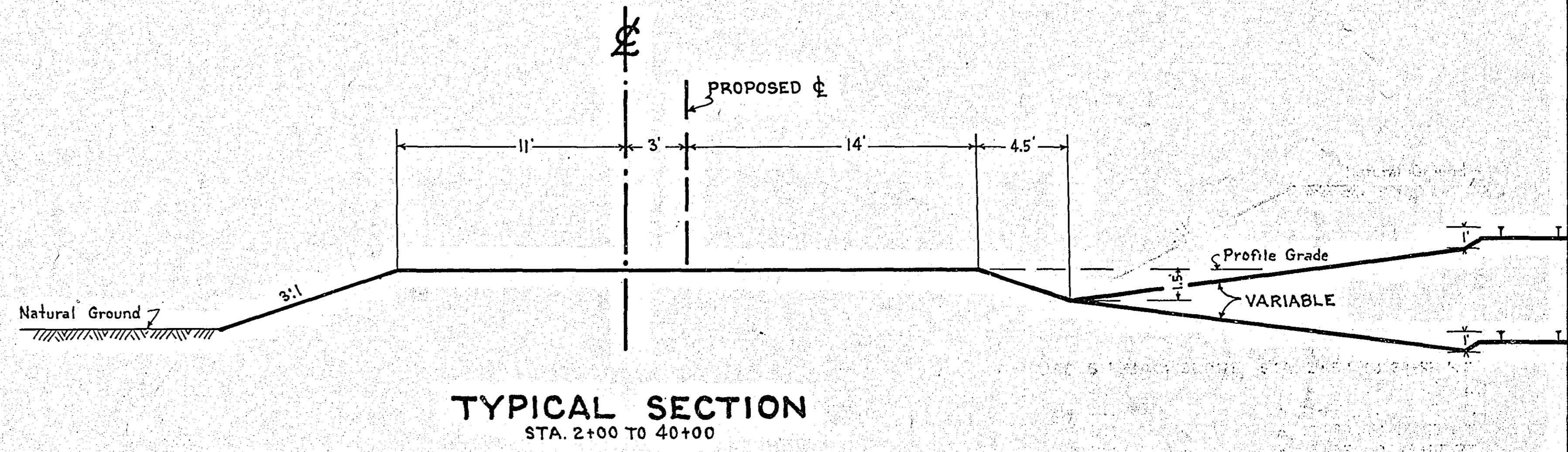
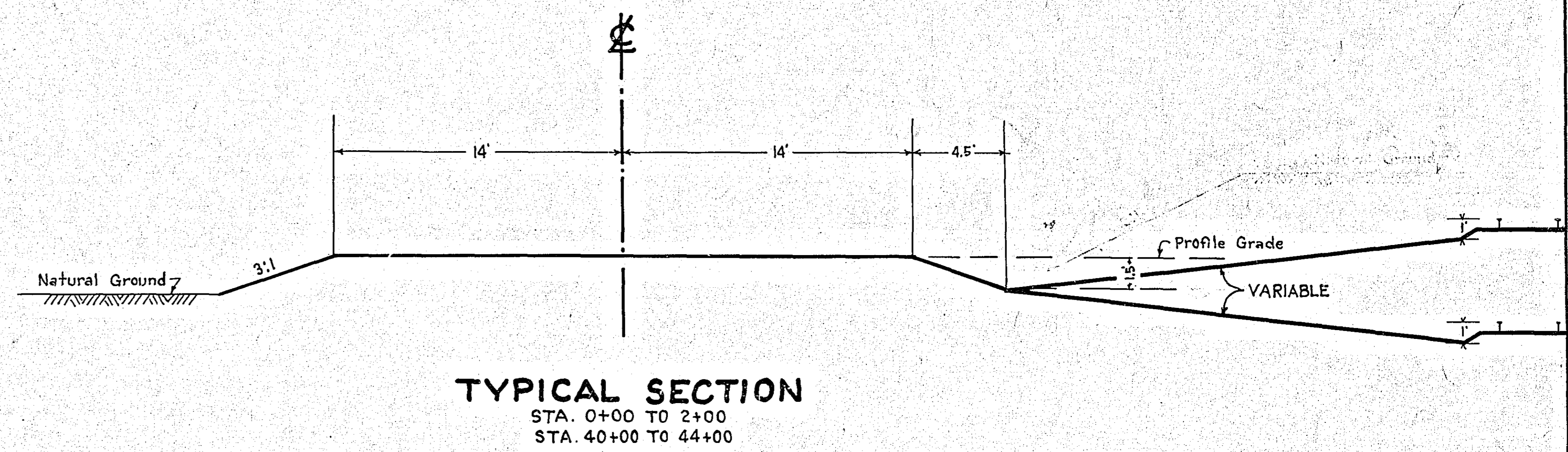


STATEMENT OF ESTIMATED QUANTITIES

CLASS	ITEM	UNIT	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	MILE From To	MILE From To	TOTAL ESTIMATED QUANTITIES	
GRADING	1	Clearing	Trees	20											
	2	Grubbing	Trees	20											
	3	Clearing	Acres												
	4	Grubbing	Acres												
	5	Excavation Earth	Cu. Yds.	17920											
	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.	30											
	13	Install 18" C.M.	Lin. Ft.	66											
	14	Install 24" C.M.	Lin. Ft.												
	15	Install	Lin. Ft.												
	16	Install 12" Conc.	Lin. Ft.	20											
	17	Install 18" Ps	Lin. Ft.	40											
	18	Install 24" Ps	Lin. Ft.	100											
	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.	32000											
	26	Rubble Gutter	Cu. Yds.												
	27	Headwall Concrete	Cu. Yds.												
	28	Headwall Steel	Lbs.												
	29	Remove Fence	Lin. Ft.	500											
	30	Replace Fence	..	500											
	31														
	32														
C.M. CULVERTS	1	Furnish 12" C.M.	Lin. Ft.												
	2	Furnish 15" C.M.	Lin. Ft.	30											
	3	Furnish 18" C.M.	Lin. Ft.	66											
	4	Furnish 24" C.M.	Lin. Ft.												
	5	Furnish	Lin. Ft.												
	6	Furnish	Lin. Ft.												
	7	Furnish 12" C.M. Band	Each												
	8	Furnish 15" C.M. Band	Each												
	9														
	10														
Ps CULVERTS	1	Furnish 18" Ps	Lin. Ft.	40											
	2	Furnish 24" Ps	Lin. Ft.	100											
	3	Furnish 30" Ps	Lin. Ft.												
	4	Furnish 36" Ps	Lin. Ft.												
	5	Furnish 12" Conc.	Lin. Ft.	20											
GUARD RAIL	1	Guard Rail - Cable	Lin. Ft.	1250											
	2	Guard Rail Anchors	Each	10											
	3	Dummy Posts	Each												
	4	Remove Old G.Rail	Lin. Ft.	500											
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												
SURFACE	1	Loading Gravel	Cu. Yds.	250											
	2	Hauling Gravel	C.Y. MI.												
	3	Shaping & Compacting	Cu. Yds.												
	4	Oil Stabilization	Gal. 3/4" x 1/2"	10400											
	5	Cul-back Black Top	Sq. Yds.	12400											
	6	Gravel (On Site)	Cu. Yds.	400											
	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

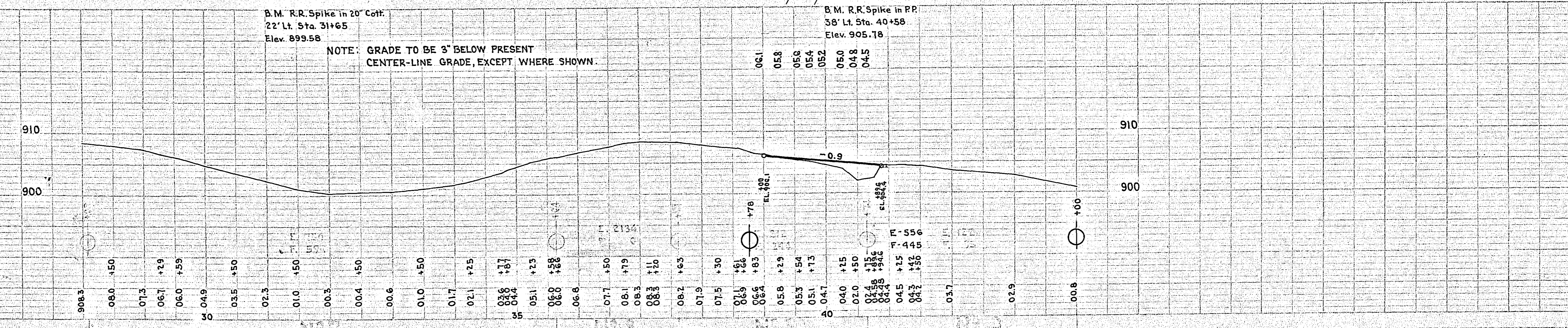
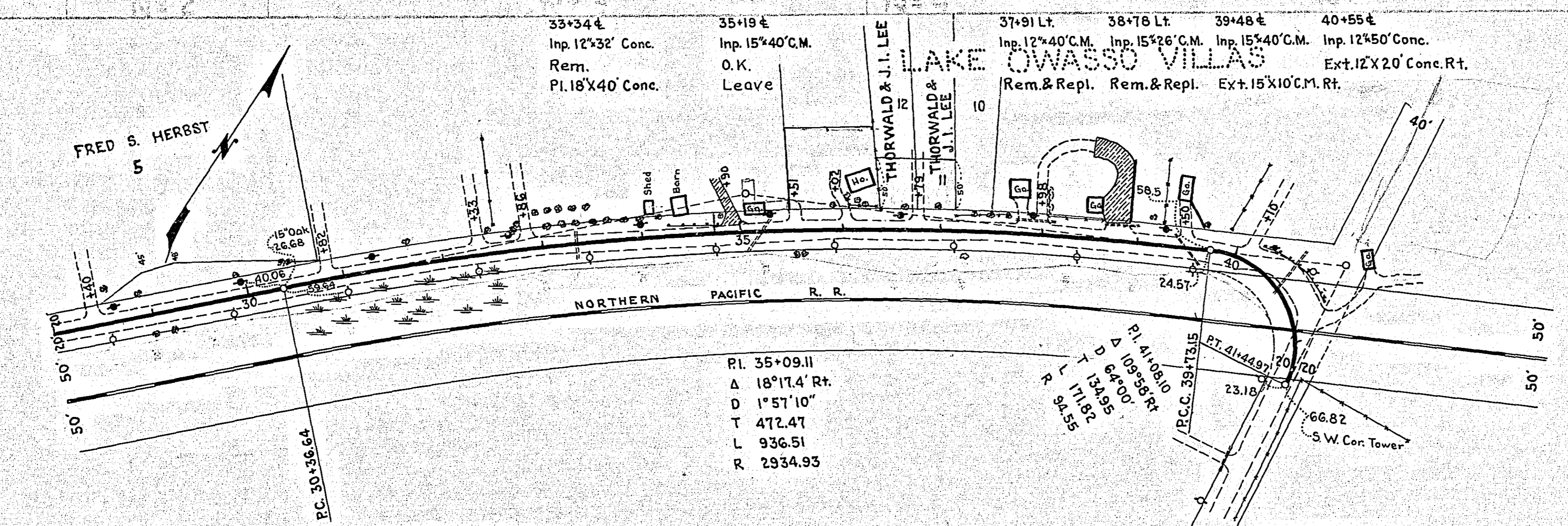
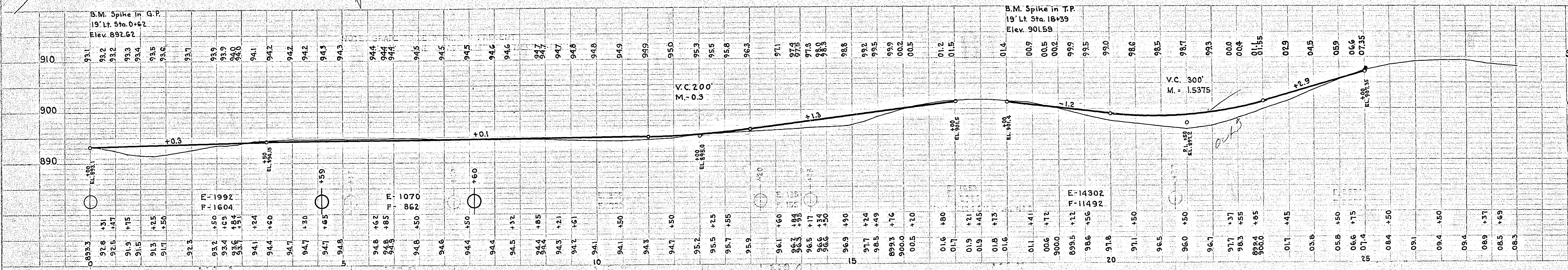
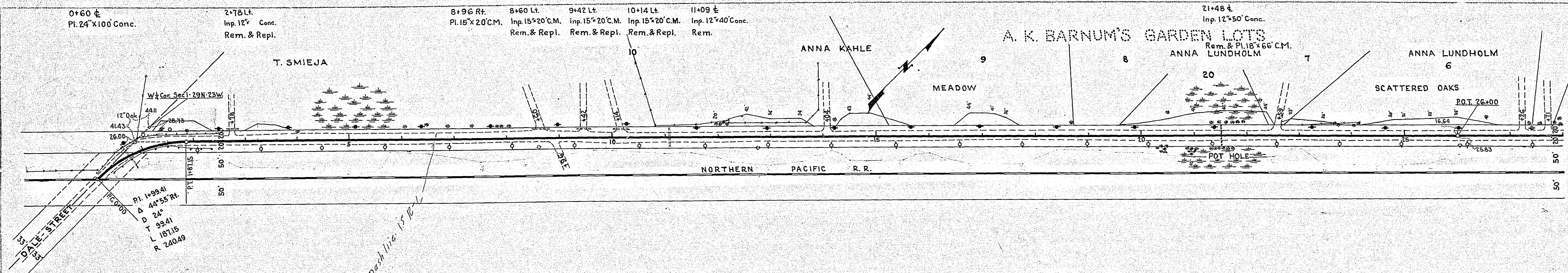


NOTE: SLOPES AND BACKSLOPES TO CONFORM TO R/W.

OFFICE OF
RAMSEY COUNTY SURVEYOR
HARRY S. BRONSON
GRADING PLAN OF
OWASSO BOULEVARD SOUTH.
FROM DALE STREET TO WESTERN AVE.
JANUARY 1939 SCALE AS SHOWN.
PLANS APPROVED 2/6 1939 *Harry S. Bronson* COUNTY SURVEYOR
APPROVED 3/6 1939 *W. J. Fallon* CHAIRMAN COUNTY BOARD

PLAN
 DRAWING NO. 1000
 DATE 10/15/15
 CHECKED BY [Signature]
 DESIGNED BY [Signature]
 NOTE BOOK ALIGNED CHECKED
 NO. 1000

PROFILE
 DRAWING NO. 1000
 DATE 10/15/15
 CHECKED BY [Signature]
 DESIGNED BY [Signature]
 NOTE BOOK ALIGNED CHECKED
 NO. 1000



*Align
 R.R.
 Railway with dashed line
 Ent.
 Pot hole
 Profile*