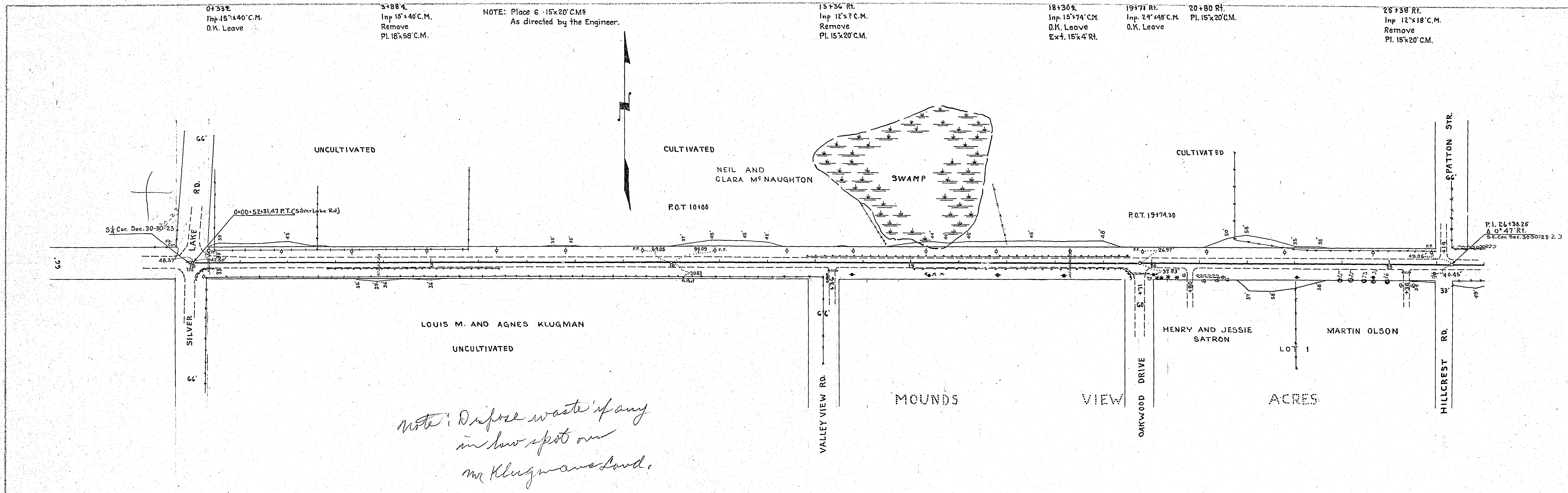
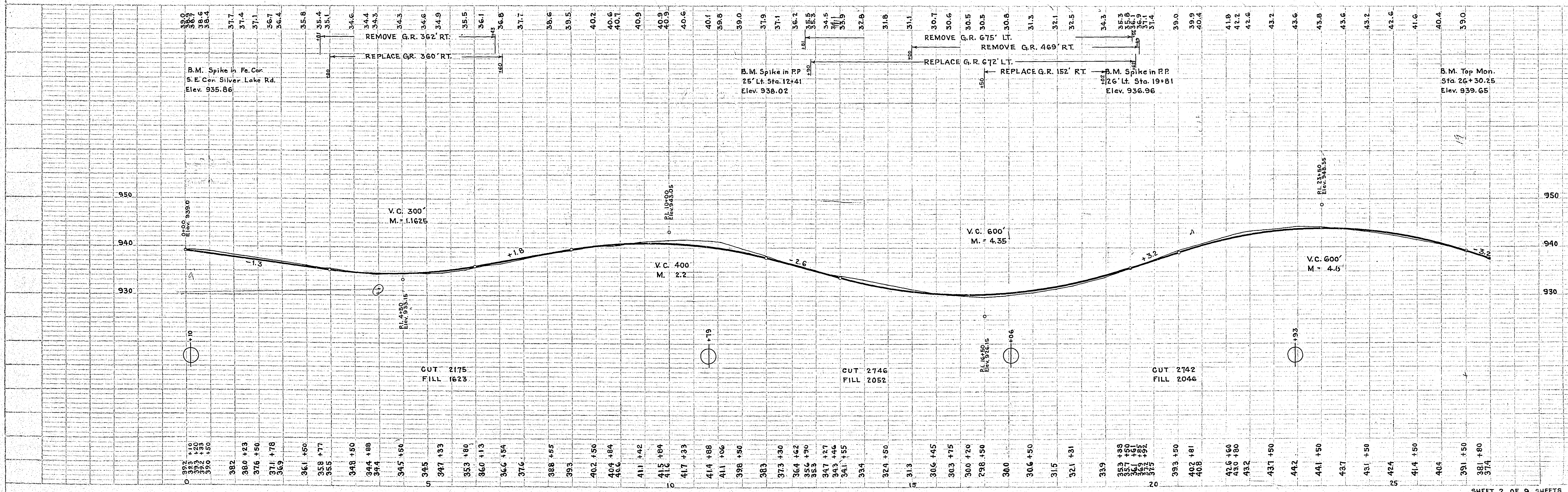


PLAN	CHECKED	DATE
DESIGNED	PLOTTED	
NOTED	REVISIONS	
NOTE BOOK	REVISIONS	
NO.		

PROFILE	CHECKED	DATE
DESIGNED	PLOTTED	
NOTED	REVISIONS	
NOTE BOOK	REVISIONS	
NO.		



*Note: Dispose waste if any
in low spot on
Mr. Klugman's land.*



PLAN
 SURVEYOR
 CHECKED
 DATE
 INCHES

PROFILE
 SURVEYOR
 CHECKED
 DATE
 INCHES

27+50 Lt
 Imp. 15'x20' C.M.
 O.K. Leave

31+57 Rt.
 Imp. 15'x20' C.M.
 O.K. Leave

33+75 Lt.
 Pl. 15'x20' C.M.

41+09 Lt.
 No Culv. Req'd.

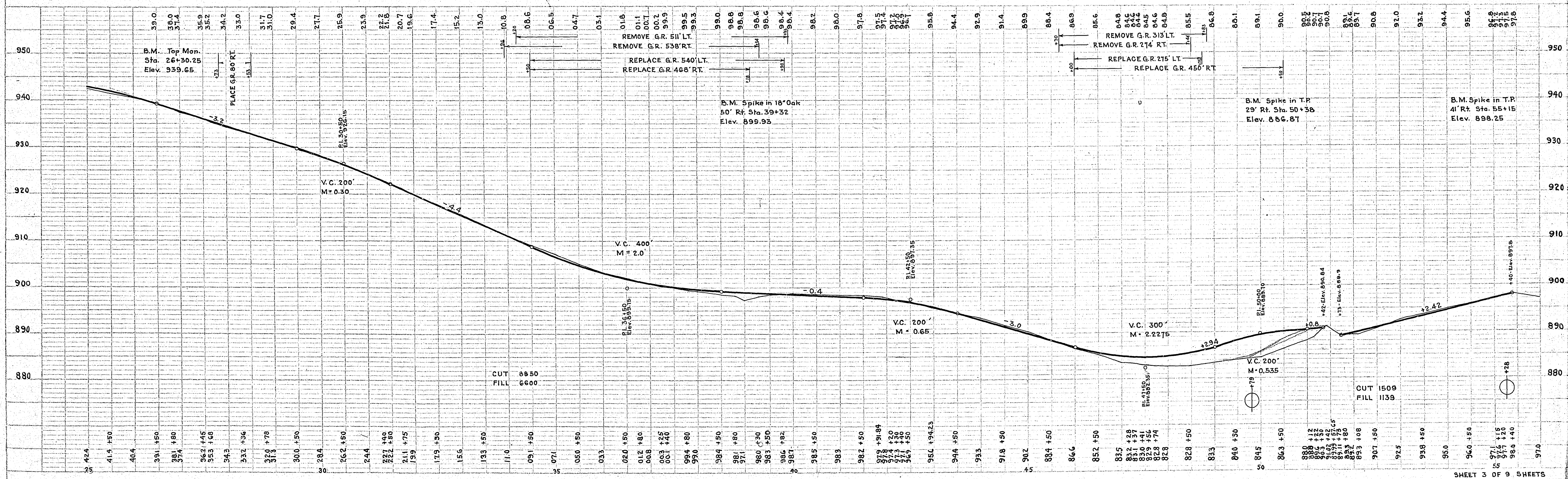
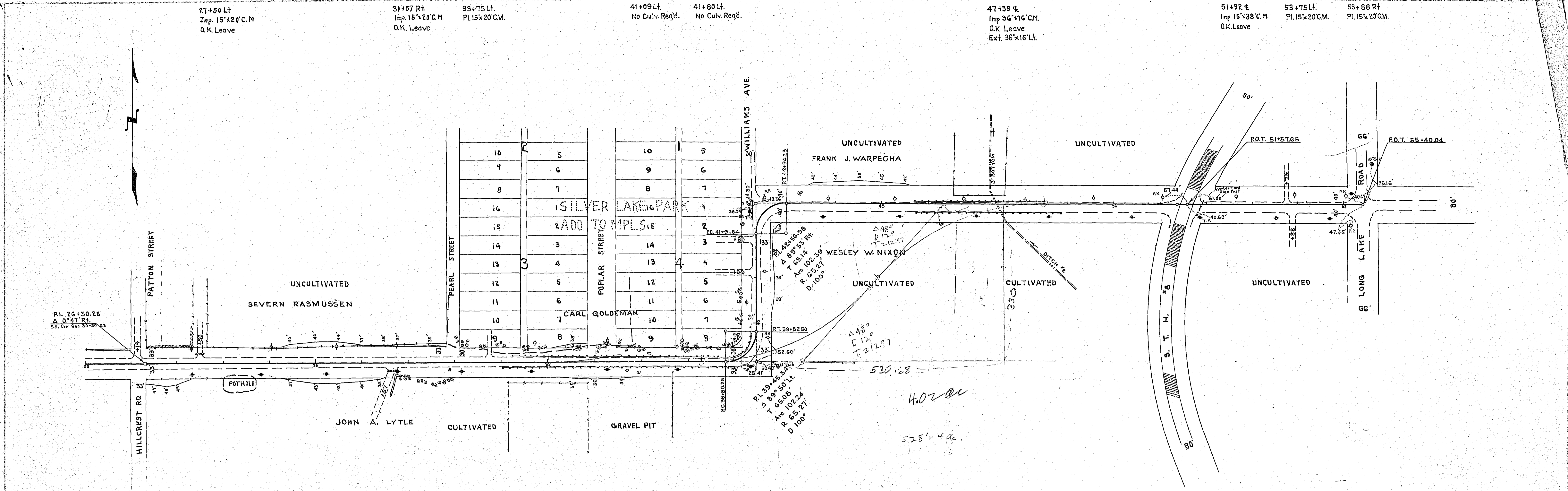
41+80 Lt.
 No Culv. Req'd.

47+39 ♀
 Imp. 36'x16' C.M.
 O.K. Leave
 Ext. 36'x16' Lt.

51+92 ♀
 Imp. 15'x38' C.M.
 O.K. Leave

53+75 Lt.
 Pl. 15'x20' C.M.

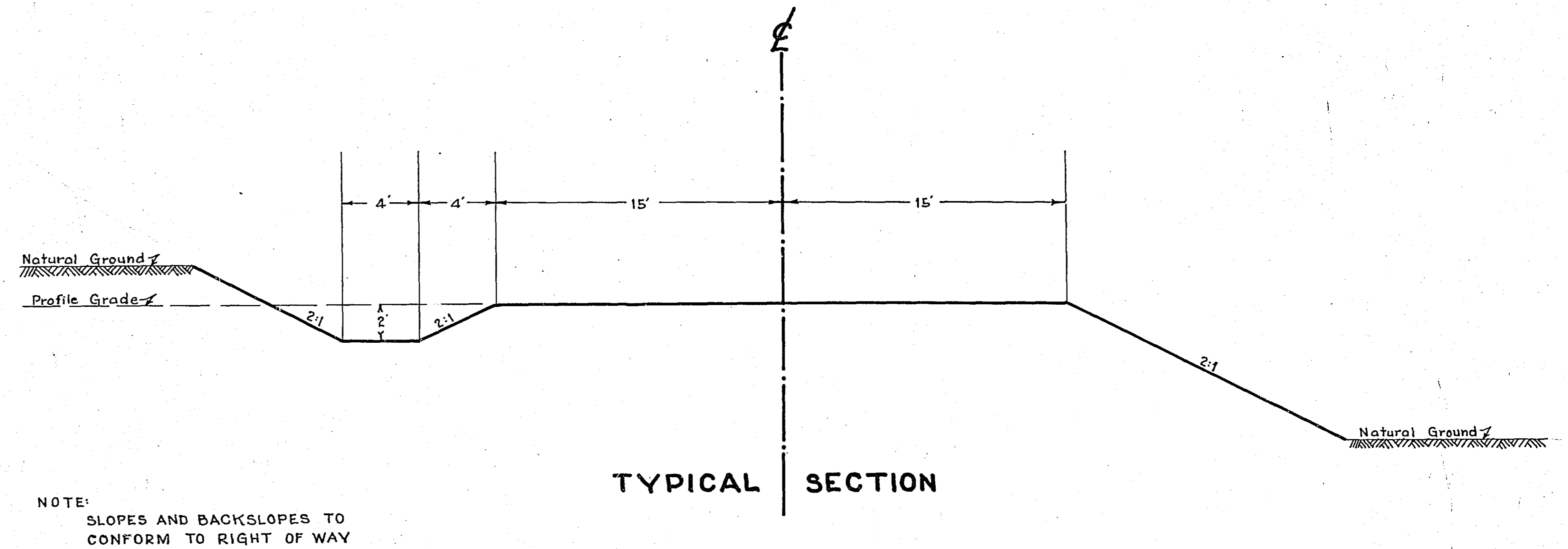
53+88 Rt.
 Pl. 15'x20' C.M.



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	TOTAL ESTIMATED QUANTITIES
GRADING	1	Clearing	Trees	45									
	2	Grubbing	Trees	49									
	3	Clearing	Acres	0.1									
	4	Grubbing	Acres	0.1									
	5	Excavation Earth	Cu. Yds.	12,015									
	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.	244									
	13	Install 18" C.M.	Lin. Ft.	58									
	14	Install 24" C.M.	Lin. Ft.										
	15	Install 36" C.M.	Lin. Ft.	16									
	16	Install	Lin. Ft.										
	17	Install 18" Ps	Lin. Ft.										
	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.	78									
	24	Replace Old Culvert	Lin. Ft.										
	25	Finishing	Sq. Yds.	40,400									
	26	Rubble Gutter	Cu. Yds.										
	27	Headwall Concrete	Cu. Yds.										
	28	Headwall Steel	Lbs.										
	29	Remove Fence	Lin. Ft.	2515									
	30	Replace Fence	Lin. Ft.	2430									
	31												
	32												
C.M. CULVERTS	1	Furnish 12" C.M.	Lin. Ft.										
	2	Furnish 15" C.M.	Lin. Ft.	244									
	3	Furnish 18" C.M.	Lin. Ft.	58									
	4	Furnish 24" C.M.	Lin. Ft.										
	5	Furnish 36" C.M.	Lin. Ft.	16									
	6	Furnish	Lin. Ft.										
	7	Furnish 15" C.M. Band	Each										
	8	Furnish 36" C.M. Band	Each										
	9												
	10												
P ₃ CULVERTS	1	Furnish 18" Ps	Lin. Ft.										
	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 Remove	Lin. Ft.	3142									
	2	Guard Rail Replace	Lin. Ft.	2997									
	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	Gravel On Site	Cu. Yds.	520									
	2	Hauling Gravel	C.Y. Mi.										
	3	Shaping & Compacting	Cu. Yds.										
	4	Oil Stabilization	Sq. Yds.	13,550									
	5	Cut-back	Sq. Yds.										
	6												
	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



OFFICE OF
 RAMSEY COUNTY SURVEYOR
 HARRY S. BRONSON
 GRADING PLAN OF
COUNTY ROAD "E"
 FROM SILVER LAKE RD. TO LONG LAKE RD.
 NOVEMBER 1940 SCALE AS SHOWN

PLANNED BY *A.D. Crumpton*
 ASS'T. ENGINEER

PLANS APPROVED *May 3 1941* *Harry S. Bronson*
 COUNTY SURVEYOR

APPROVED *May 5 1941* *J.P. Messinger*
 CHAIRMAN COUNTY BOARD