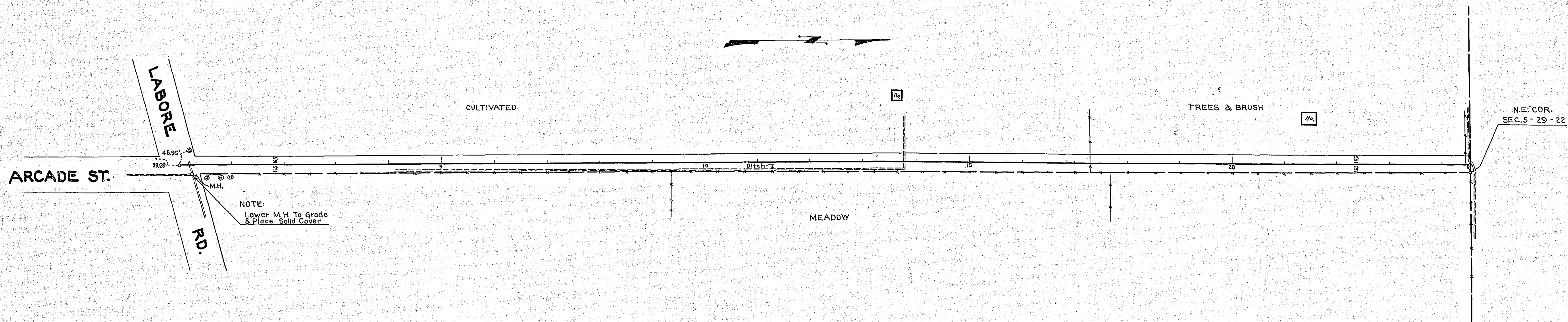


0+20 ±
 Imp. 12" V.P.
 Ext. 12"x6" V.R.Lt.

13+50 Lt. 13+80 ±
 Pl. 12"x20" C.M. Pl. 15"x32" C.M.

21+00 Lt.
 Pl. 12"x20" C.M.

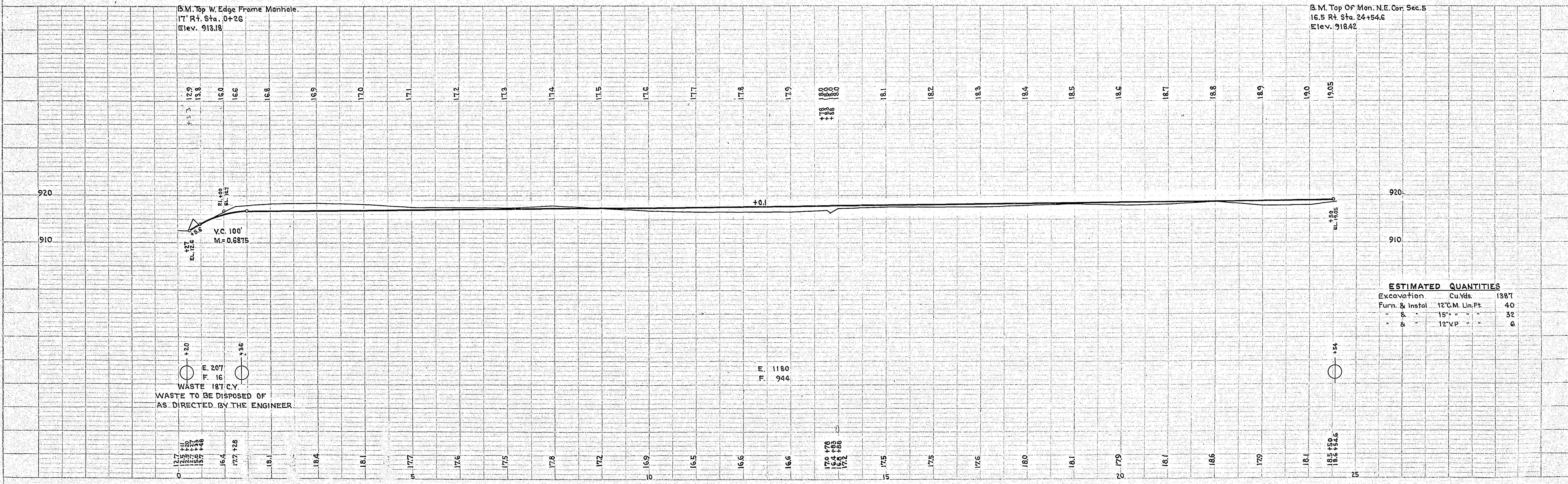


NOTE:
 Lower M.H. To Grade
 & Place Solid Cover

PLAN	DESIGNED	DATE
	PLOTTED	
	FIELD	
	ASST. BOOK	
	ALIGNMENT CHECKED	
	BY	
	NO.	
	STREETS	
	DATE	

B.M. Top W. Edge Frame Manhole.
 17' Rt. Sta. 0+26
 Elev. 913.18

B.M. Top Of Mon. N.E. Cor. Sec. 5
 16.5 Rt. Sta. 24+54.6
 Elev. 918.42



WASTE 187 CY.
 WASTE TO BE DISPOSED OF
 AS DIRECTED BY THE ENGINEER

ESTIMATED QUANTITIES

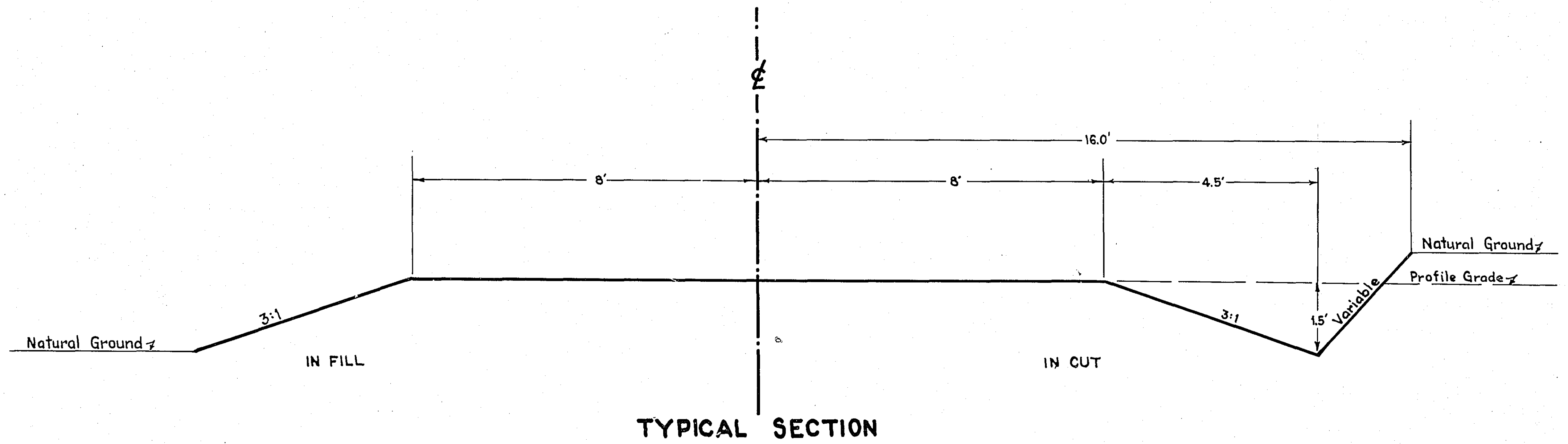
Excavation	Cu.Yds.	1387
Furn. & Instal	12" C.M. Lin.Ft.	40
" & "	15" " " "	32
" & "	12" V.P. " " "	6

PROFILE	DESIGNED	DATE
	PLOTTED	
	FIELD	
	ASST. BOOK	
	GRADES CHECKED	
	BY	
	NO.	
	STREETS	
	DATE	

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										
	2	Grubbing	Trees										
	3	Clearing	Acres										
	4	Grubbing	Acres										
	5	Excavation Earth	Cu. Yds.										
	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.										
	13	Install 18" C.M.	Lin. Ft.										
	14	Install 24" C.M.	Lin. Ft.										
	15	Install	Lin. Ft.										
	16	Install	Lin. Ft.										
	17	Install 18" P3	Lin. Ft.										
	18	Install 24" P3	Lin. Ft.										
	19	Install 30" P3	Lin. Ft.										
	20	Install 36" P3	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.										
	26	Rubble Gutter	Cu. Yds.										
	27	Headwall Concrete	Cu. Yds.										
	28	Headwall Steel	Lbs.										
	29												
	30												
	31												
	32												
C.M. CULVERTS	1	Furnish 12" C.M.	Lin. Ft.										
	2	Furnish 15" C.M.	Lin. Ft.										
	3	Furnish 18" C.M.	Lin. Ft.										
	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												
P3 CULVERTS	1	Furnish 18" P3	Lin. Ft.										
	2	Furnish 24" P3	Lin. Ft.										
	3	Furnish 30" P3	Lin. Ft.										
	4	Furnish 36" P3	Lin. Ft.										
	5												
	6												
GUARD RAIL	1	Guard Rail - Cable	Lin. Ft.										
	2	Guard Rail Anchors	Each										
	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	Gal.										
	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



TYPICAL SECTION

OFFICE OF
 RAMSEY COUNTY SURVEYOR
 HARRY S. BRONSON
 GRADING PLAN OF
ARCADE ST. EXTENSION
 FROM LABORE ROAD TO 2450 FT. N.
 OCT. 1938 SCALE AS SHOWN

PLANS APPROVED 10/26 1938 *Harry S. Bronson*
 COUNTY SURVEYOR
 APPROVED 10/26 1938 *J. M. Jones*
 CHAIRMAN OF COUNTY BOARD
 APPROVED 10/26 1938 *Lewis Greener*
 CHAIRMAN OF NEW CANADA TOWNSHIP BOARD