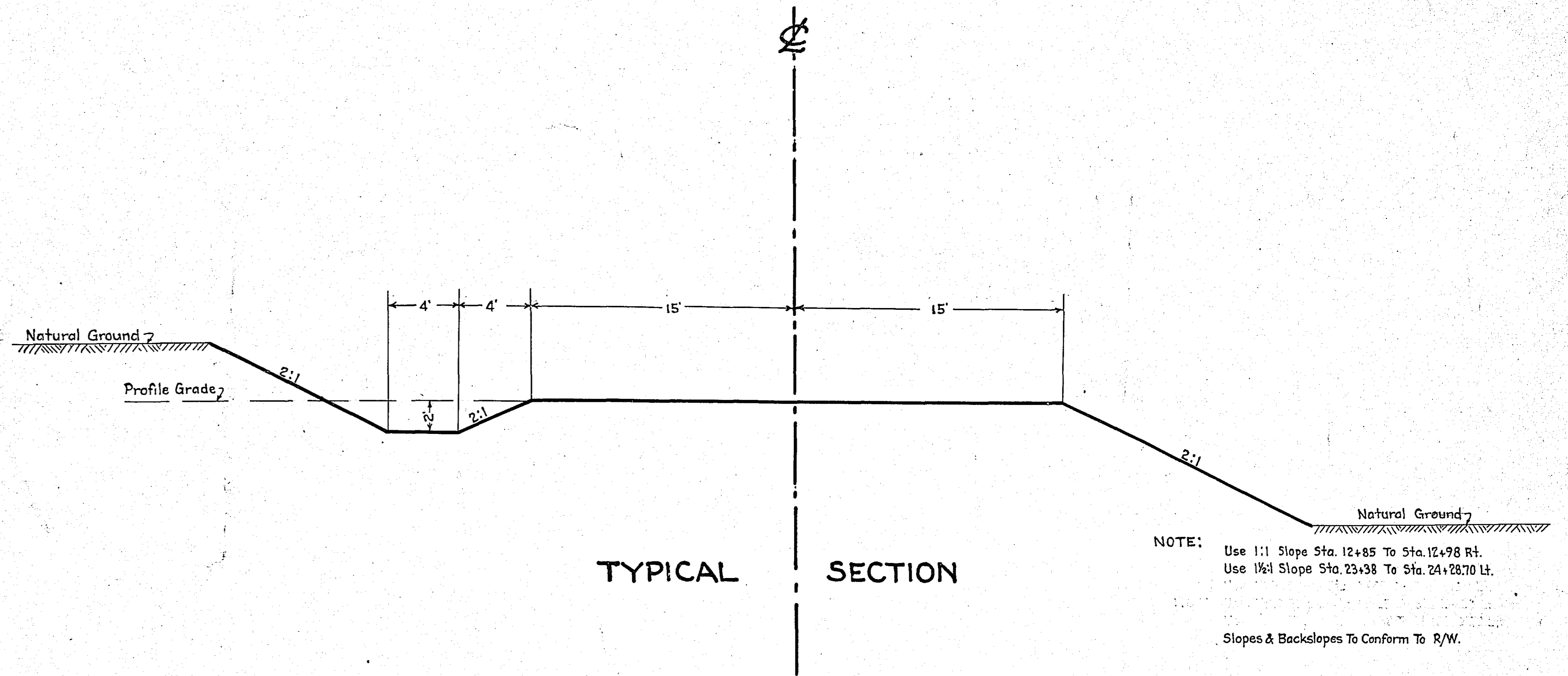


STATEMENT OF ESTIMATED QUANTITIES

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	8											
	2	Grubbing	Trees	10											
	3	Clearing	Acres												
	4	Grubbing	Acres												
	5	Excavation Earth	Cu. Yds.	5658											
	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.	140											
	13	Install 18" C.M.	Lin. Ft.												
	14	Install 24" C.M.	Lin. Ft.	52											
	15	Install 48" C.M.	Lin. Ft.	10											
	16	Install	Lin. Ft.												
	17	Install 18" Conc. P.	Lin. Ft.	54											
	18	Install 24" Ps	Lin. Ft.												
	19	Install 30" Ps	Lin. Ft.												
	20	Install 36" Ps	Lin. Ft.												
	21	Install	Lin. Ft.												
	22	Remove Old Culvert	Lin. Ft.	194											
	23	Remove Fence	Lin. Ft.	800											
	24	Replace Fence	Lin. Ft.	785											
	25	Finishing	Sq. Yds.	19000											
	26	Riprap	Cu. Yds.	7											
	27	Headwall Stone	Cu. Yds.	5											
	28	Headwall Steel	Lbs.												
	29	Remove Concrete Block Wall	Cu. Yds.	10											
	30	Replace Concrete Block Wall	Cu. Yds.	9											
	31	Remove Concrete Steps	Cu. Yds.	1											
	32	Place Concrete Steps	Cu. Yds.	1											
C.M. CULVERTS	1	Furnish 12" C.M.	Lin. Ft.												
	2	Furnish 15" C.M.	Lin. Ft.	140											
	3	Furnish 18" C.M.	Lin. Ft.												
	4	Furnish 24" C.M.	Lin. Ft.	52											
	5	Furnish 48" C.M.	Lin. Ft.	10											
	6	Furnish	Lin. Ft.												
	7	Furnish 12" C.M. Band	Each												
	8	Furnish 15" C.M. Band	Each												
	9														
	10														
P <sub>3</sub> CULVERTS	1	Furnish 18" Conc. P.	Lin. Ft.	54											
	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 - Remove	Lin. Ft.	442											
	2	Guard Rail Cable Place	Lin. Ft.	828											
	3	Dummy Posts	Each												
	4	Furnish Guard Rail Cable	Lin. Ft.	386											
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 Stabilisation	Sq. Yds.	6,100											
	5	Cut-back	Sq. Yds.	6,100											
	6	Gravel On Site	Cu. Yds.	235											
	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  
**KOEHLER ROAD**  
 FROM McMENEMY ST. TO EDGERTON ST.  
 FEBRUARY 1940 SCALE AS SHOWN.

PLANS APPROVED 3/4 1940 *Harry S. Bronson*  
 COUNTY SURVEYOR

APPROVED 3/4 1940 *W. H. Fallon*  
 CHAIRMAN COUNTY BOARD

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	BY	
	NO.	

