

CONVENTIONAL SIGNS & ABBREVIATIONS

STATE LINE	-----	EXCAVATION	-----	F
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	-----	V.C.
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.
HEDGE, BRUSH, OR TIMBER	-----	SPECIAL FLOWING	-----	S.P.
GROUND ELEVATION	-----	TELEPHONE POLE	-----	TEL.P.
GRADE ELEVATION	-----			

STATE HIGHWAY DEPARTMENT
OF MINNESOTA
Plan and Profile of State Road No. 16

COUNTY OF RAMSEY

From The S 1/4 Cor. of Sec. 16-29-23 To The N 1/4 Cor. of Sec. 16-29-23

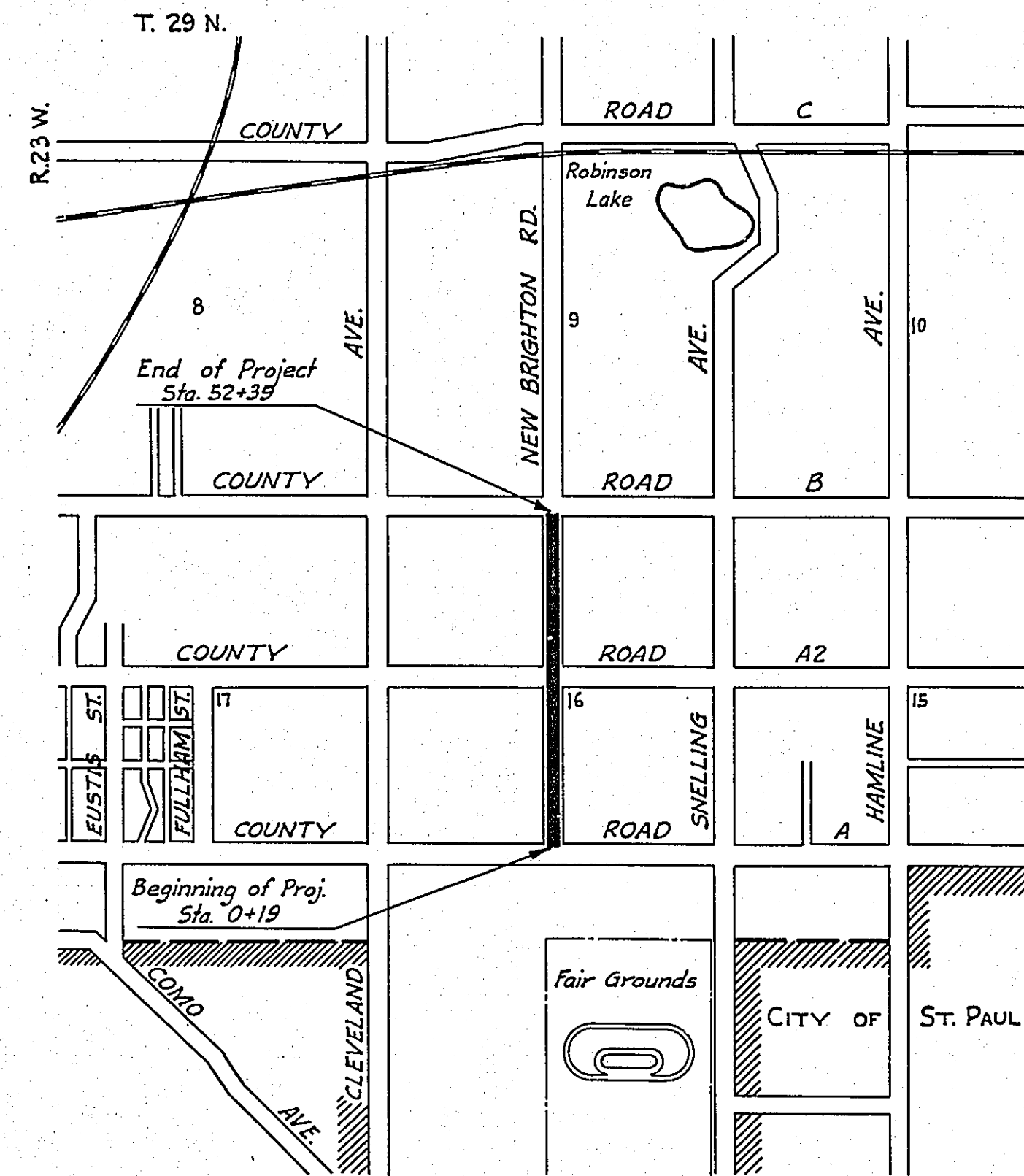
GROSS LENGTH 5220.0 FEET 0.99 MILES
LENGTH OF EXCEPTIONS FEET MILES
NET LENGTH 5220.0 FEET 0.99 MILES

PLAN, 1 Inch = 200 Feet
PROFILE, Horz. 1 Inch = 100 Feet. Vert. 1 Inch = 10 Feet
SCALES WORKING PLANS Horz. 1 Inch = 100 Feet
Vert. 1 Inch = 10 Feet
Cross-Sections, 1 Inch = 5 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+19 to Sta. 52+39
" No. 4.	to 12. Cross Sections



Planned by Paul W. Carter
HIGHWAY ENGINEER FOR RAMSEY COUNTY.

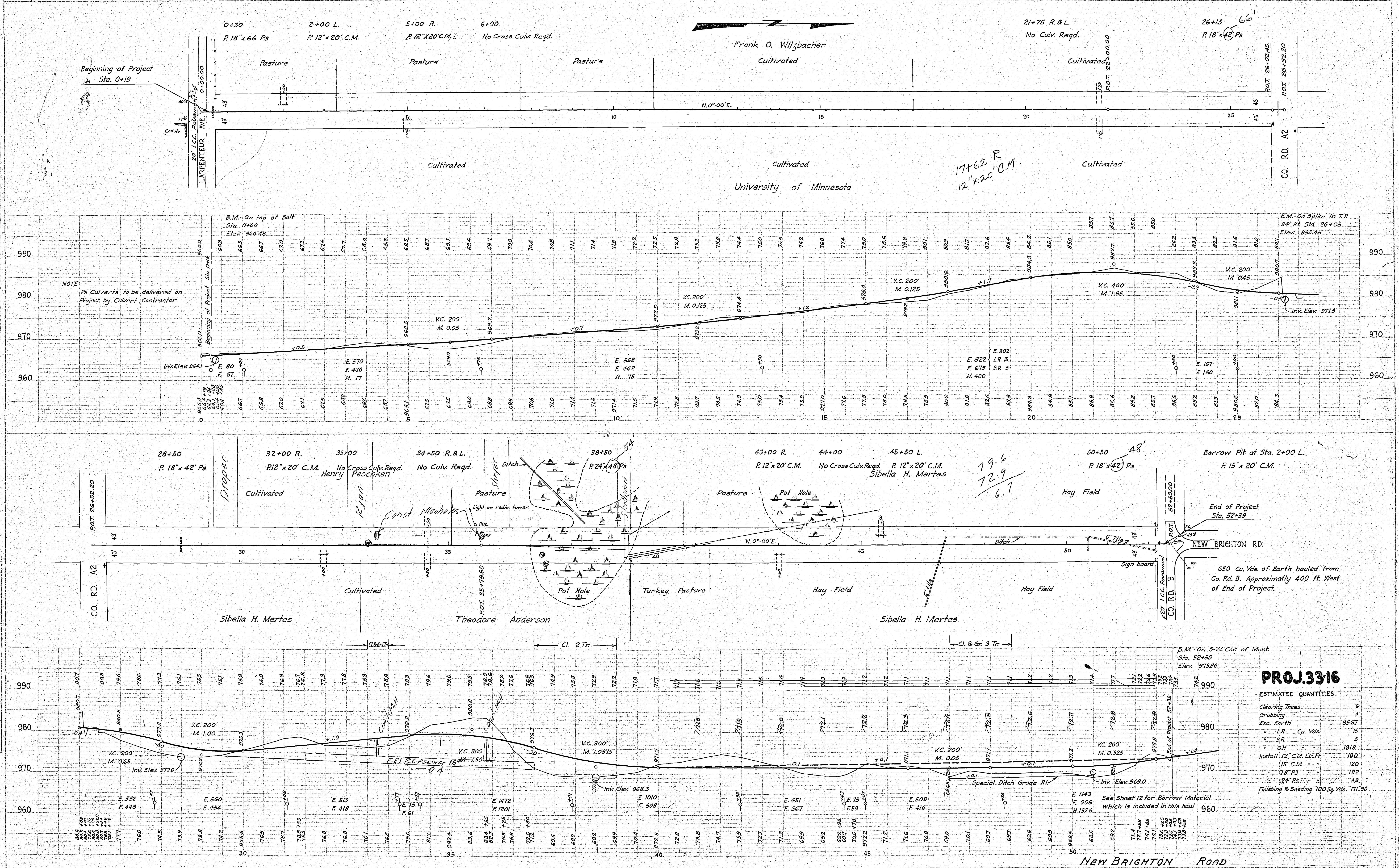
Recommended for Approval _____ DIVISION ENGINEER

Recommended for Approval J. J. Hedrow CHIEF OF SURVEY AND DESIGN

Approved 2-2- 1933 J. M. Ellison CHIEF ENGINEER & DEPUTY COMMISSIONER

PLAN	DATE
DESIGNED	
CHECKED	
NOTED	
BY	
NO.	

PROFILE	DATE
DESIGNED	
CHECKED	
NOTED	
BY	
NO.	



PROJ. 3316

ESTIMATED QUANTITIES

Clearing Trees	6
Grubbing	4
Exc. Earth	8567
LR Cu. Yds.	15
SR	5
OH	1818
Install 12" C.M. Lin.F.F.	100
15" C.M.	20
18" Ps	192
24" Ps	48
Finishing & Seeding 100 Sq. Yds.	171.90