

CONVENTIONAL SIGNS & ABBREVIATIONS

STATE LINE	-----	EXCAVATION	-----	E
COUNTY LINE	-----	EMBANKMENT	-----	F
TOWNSHIP LINE	-----	OVERHAUL	-----	H
SECTION LINE	-----	SURFACING	-----	S
CITY, VILLAGE, OR BOROUGH	-----	GUARD RAIL	-----	G.R.
FENCE LINE	-----	INTERSECTION ANGLE	-----	A
RIGHT-OF-WAY LINE	-----	RADIUS	-----	R
TRAVELLED WAY	-----	ELEVATION	-----	EL
RAILROADS	-----	VERTICAL CURVE	-----	VC
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	-----	IN PLACE	-----	I.P.
ROCK QUARRY	-----	REPLACE	-----	Rep.
CULVERTS	-----	RIGHT	-----	R
PLAIN	-----	LEFT	-----	L
WITH FACE WALLS	-----	HAND DITCHING	-----	H.D.
WITH WING WALLS	-----	POINT OF CURVE	-----	P.C.
DROP INLET	-----	POINT OF TANGENT	-----	P.T.
POWER POLE LINE	-----	POINT OF INTERSECTION	-----	P.I.
TELEPHONE OR TELEGRAPH LINE	-----	SPECIAL EXCAVATION	-----	S.E.
MARSH	-----	SPECIAL FLOWING	-----	S.F.
HEDGE, BRUSH, OR TIMBER	-----	TELEPHONE POLE	-----	TEL.P.
GROUND ELEVATION	-----			
GRADE ELEVATION	-----			

OFFICE OF COUNTY ENGINEER
 RAMSEY COUNTY
 Plan and Profile of County Project No. 23-56

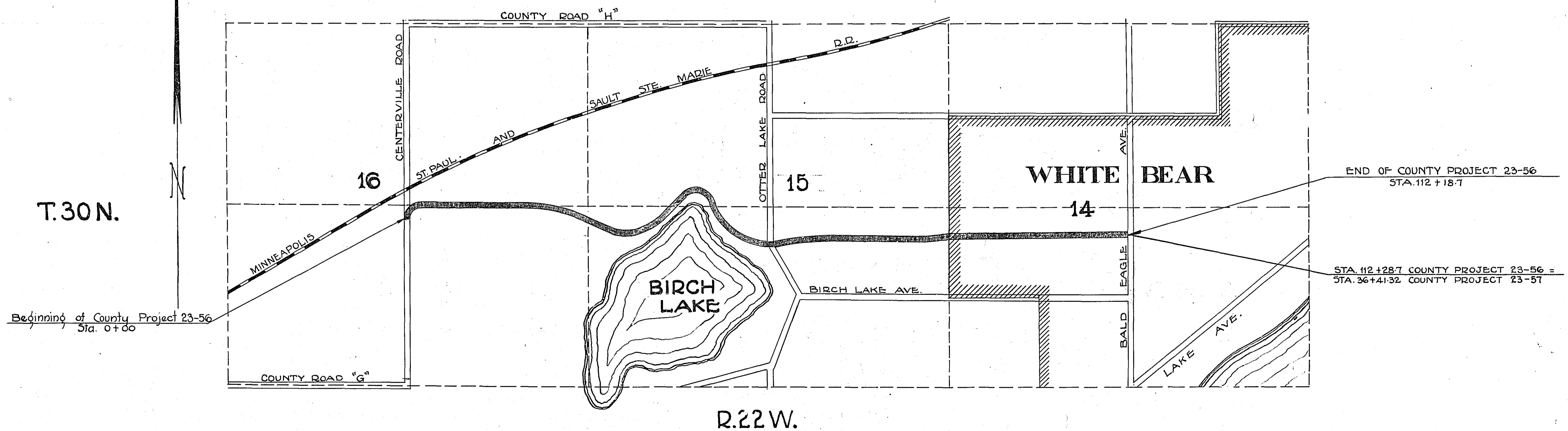
From point 199.1' S of centre of Sec. 16 T. 30 N. R. 22 W. To point 389.5' S and 10' W centre Sec. 14 T. 30 N. R. 22 W.
Give proper reference to Sections, Township and Range

GROSS LENGTH 11,335.1 FEET 2.147 MILES
 LENGTH OF EXCEPTIONS FEET MILES
 NET LENGTH 11,335.1 FEET 2.147 MILES
 PLAN, 1 Inch = 200 Feet
 PROFILE, Horz. 1 Inch = 200 Feet, Vert. 1 Inch = 20 Feet
 SCALES WORKING PLANS Horz. 1 Inch = 100 Feet, Vert. 1 Inch = 10 Feet
 Cross-Sections, 1 Inch = 10 Feet

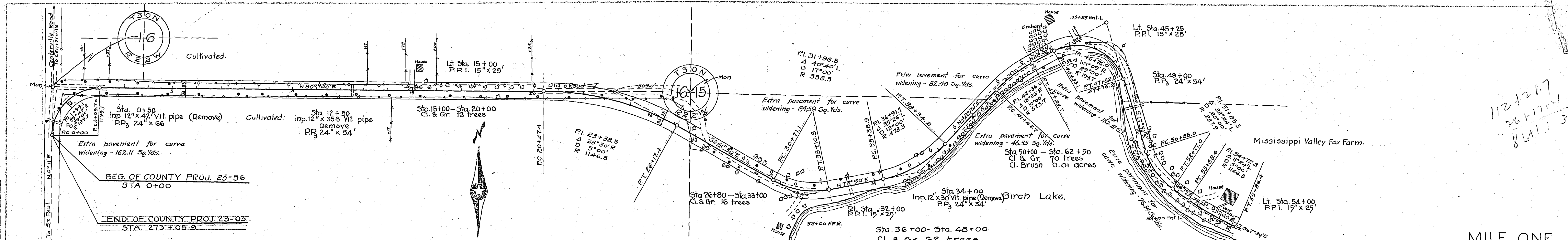
LAYOUT
 SCALE 1 Inch = 800 Feet

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+00 to Sta. 112+18.7
 " No. 4-6 Incl. X-Sections
 " No. 7 Miscellaneous Standards.



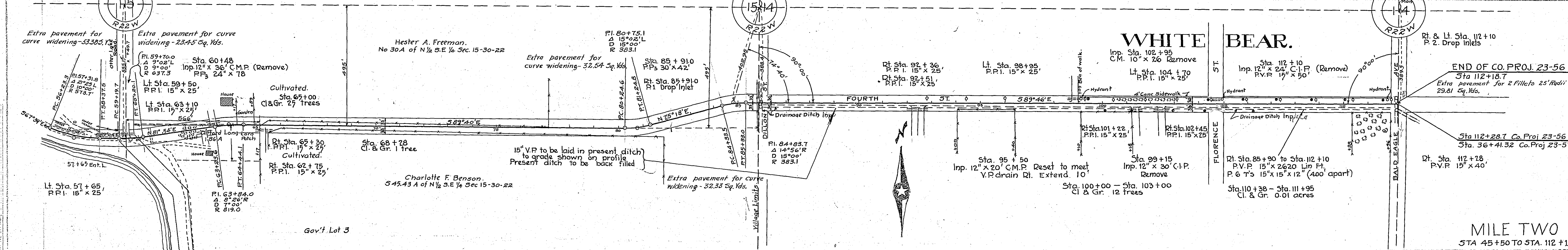
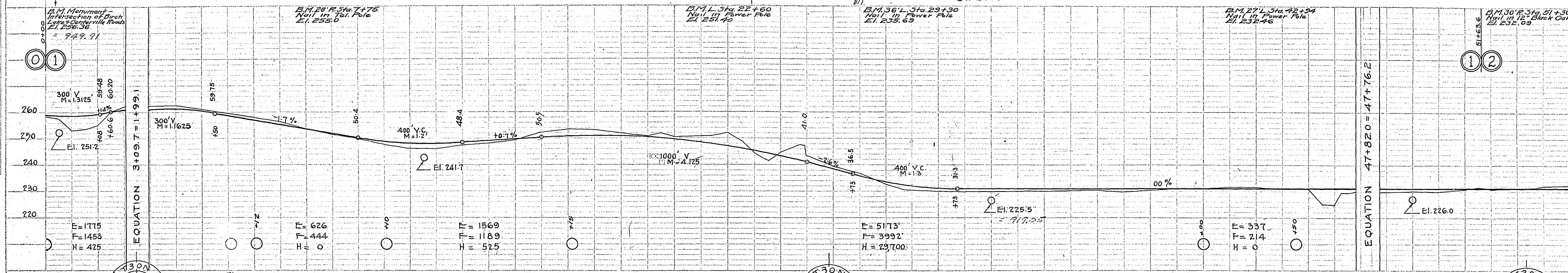
Date of resolution for preparation of plans Jan. 1923
 Planned by R. J. Hollander DESIGNING HIGHWAY ENGINEER
 Recommended for approval E. J. Krigger CONSTRUCTION ENGINEER
 Plans Approved and Recommended for construction Paul R. Coates COUNTY ENGINEER
 Approved by County Board _____ CHAIRMAN OF COUNTY BOARD



MILE ONE
STA 0+00 TO STA 45+50

ESTIMATED QUANTITIES

Clear	90 Trees
Grub	0.01 acres
Excav.	9485 C.Y.
Solid Rock	25 C.Y. (Est.)
Loose Rock	50 C.Y. (Est.)
Haul	30650 C.Y.
R.Culv. 24" x 174' Lin Ft.	
R.Haul	4134 T.M.
P1.Culv. 15" x 75' Lin Ft.	
P1.Haul	958 T.M.
Paving	10,793.6 Sq. yds
Curbing	2267 Lin Ft.
Surface Drains	6



MILE TWO
STA 45+50 TO STA 112+18.7

ESTIMATED QUANTITIES

Clear	108 Trees
Clear	0.01 acres
Grub	108 Trees
Grub	0.01 acres
Clear Brush	0.01 acres
Excav.	9588 C.Y.
Haul	24,175 C.Y.
R.Culv. 24" x 132' Lin Ft.	
R.Culv. 30" x 42' "	
R.Haul	3009 T.M.
P1.Culv. 15" x 300' Lin Ft.	
P1.Haul	2073 T.M.
Drop Inlets	3
15" x 15" x 12" T5	6
Vit Pipe 15" x 2710' Lin Ft.	
Culv. Reset 1-12" x 20' Lin Ft. (CM)	
Paving	15,201.3 Sq. yds.
Curbing	2037 Lin Ft.
Surface Drains	0

