

STATE OF MINNESOTA  
 DEPARTMENT OF HIGHWAYS  
 Plan and Profile of State Road No. 5

ANOKA COUNTY

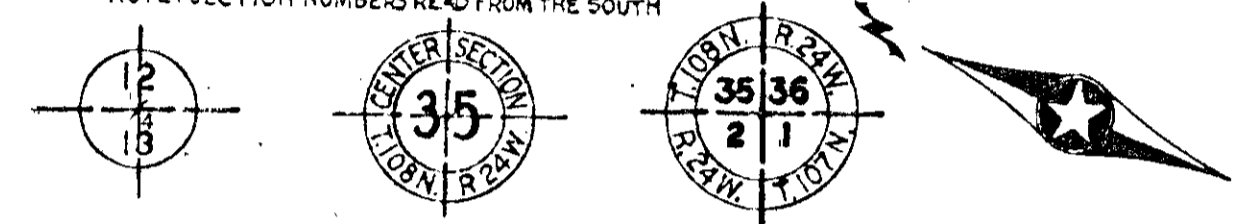
A POINT 1248.2' SOUTH OF THE N 1/4 COR. OF SEC. 10 T.31N. R.22W. To A POINT 4577.7' SOUTH & 1024.0' EAST OF THE N 1/4 COR. SEC. 15 T.31N. R.22W.

GROSS LENGTH... 8,760... FEET... 1.659... MILES  
 LENGTH OF EXCEPTIONS... 0... FEET... 0... MILES  
 NET LENGTH... 8,760... FEET... 1.659... MILES

PLAN, 1 Inch = 200 Feet  
 PROFILE, Horiz. 1 Inch = 200 Feet, Vert. 1 Inch = 20 Feet  
 WORKING PLANS { Horiz. 1 Inch = 100 Feet  
 Vert. 1 Inch = 10 Feet  
 Cross-Section, 1 Inch = Feet

LAYOUT  
 Scale, 1 Inch = 10560 Feet

CONVENTIONAL SIGNS	ABBREVIATIONS	EXC.
STATE LINE	EXCAVATION	EXC.
COUNTY LINE	EARTH	E
TWP. OR RANGE LINE	LOOSE ROCK	L.R.
SECTION LINE	SOLID ROCK	S.R.
RIGHT OF WAY LINE	EMBANKMENT	H
CORPORATE OR CITY LIMITS	OVERHAUL	H
ROAD CENTER LINE	SURFACING	S
RETAINING WALL	HAND DITCHING	H.D.
RAILROADS	SPECIAL EXCAVATION	S.E.
CREEK	SPECIAL FLOWING	S.F.
DRY RUN	GUARD RAIL	G.R.
DRAINAGE DITCH	CORRUGATED METAL CULVERT	C.M.CULV.
POWER POLE LINE	SECTIONAL CONCRETE CULVERT	S.C.CULV.
TELEPHONE OR TELEGRAPH LINE	SECTIONAL CONCRETE CULVERT (heavy Type)	H.C.CULV.
CULVERTS - PLAIN	TON MILES	T.M.
WITH ENDWALLS	TELEPHONE POLE	T.E.L. P.
WITH WINGWALLS	POWER POLE	P.P.
DROP INLET	PLACE	P.
FENCE LINE	INPLACE	I.N.P.
GRAVEL PIT	REPLACE	R.E.P.
SAND PIT	RIGHT	R.T.
CLAY PIT	LEFT	L.T.
ROCK QUARRY	INTERSECTION ANGLE	I.A.
SPRINGS	RADIUS	R.
MARSH OR TIMBER	TANGENT	T.
HEDGE	LENGTH OF CURVE	L.C.
ROCK LEDGE	POINT OF CURVE	P.C.
SAND	POINT OF TANGENT	P.T.
EDGE OF CUT	POINT OF INTERSECTION	P.I.
TOE OF EMBANKMENT	VERTICAL CURVE	V.C.
RAILROAD R/W LINE	BENCH MARK	B.M.
BUILDINGS (One Story Frame)	ELEVATION	E.L.
	ACRES	A.



BORROW PIT B  
 BORROW PIT A

- INDEX OF SHEETS
- Sheet No. 1. Title Sheet and Layout Map
  - " No. 2. Typical Cross-Sections and Statement
  - " No. 3. Plan and Profile, Sta. 80+00 to Sta. 140+00
  - " No. 4. " " " STA. 140+00 TO STA. 167+60
  - " No. 5. BORROW PIT LAYOUT
  - " No. 6-8. CROSS SECTIONS
  - " No. 9A & 9B. BORROW PIT CROSS SECTIONS

ER 16

BEG. SP. 02-509-04 ER 16  
 END SP. 02-509-04 ER 16

SPECIFICATIONS  
 THE SPECIFICATIONS FOR HIGHWAY CONSTRUCTION DATED JULY 1, 1947, AND SUBMITTED FOR APPROVAL BY THE DIVISION ENGINEER OF THE PUBLIC ROADS ADMINISTRATION, OCTOBER 15, 1947, AS MODIFIED BY SUPPLEMENT 1, THERE TO DATED APRIL 15, 1953, AND SUBMITTED FOR APPROVAL BY THE DIVISION ENGINEER OF B. P. R. ON MARCH 25, 1953, AND THE SPECIFICATIONS FOR BITUMINOUS ROAD MATERIALS DATED JAN. 1, 1952 AND RECOMMENDED FOR APPROVAL AS STANDARD BY THE DIVISION ENGINEER OF THE B. P. R. ON FEB. 6, 1952, SMALL GOVERN.

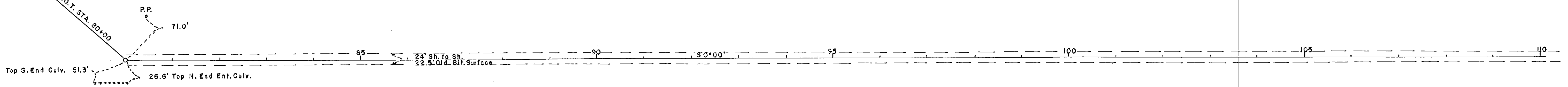
DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
RECOMMENDED FOR APPROVAL:	
DISTRICT ENGINEER	DATE
APPROVED:	
DIVISION ENGINEER	DATE

PLANNED BY \_\_\_\_\_ 1953  
 COUNTY ENGINEER FOR ANOKA COUNTY  
 RECOMMENDED FOR APPROVAL *G. J. McQuibben* 2-13 1953  
 DISTRICT ENGINEER  
 RECOMMENDED FOR APPROVAL *S. M. Evans* 2-3 1953  
 ENGINEER OF COUNTY DIVISION  
 APPROVED *J. J. ...* 1953  
 ENGINEER OF PLANS AND SURVEYS

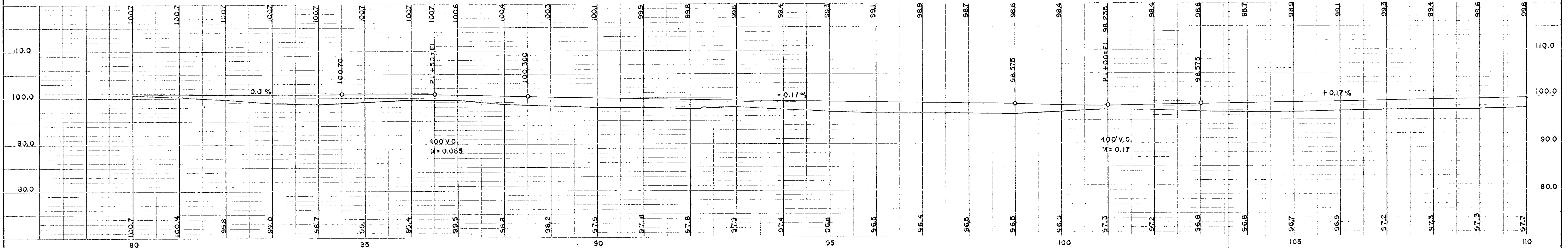




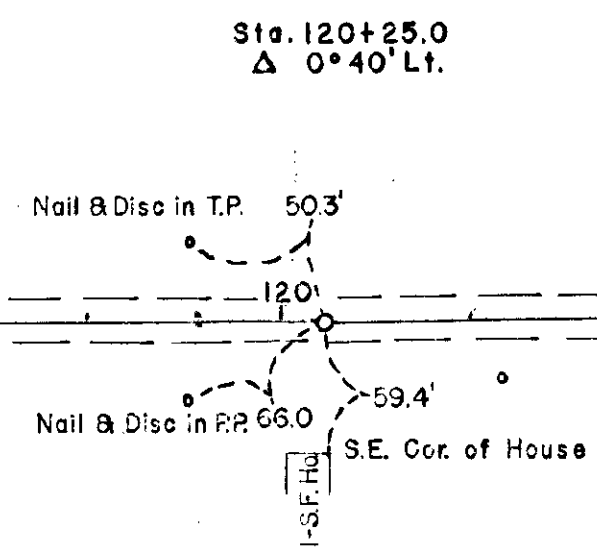
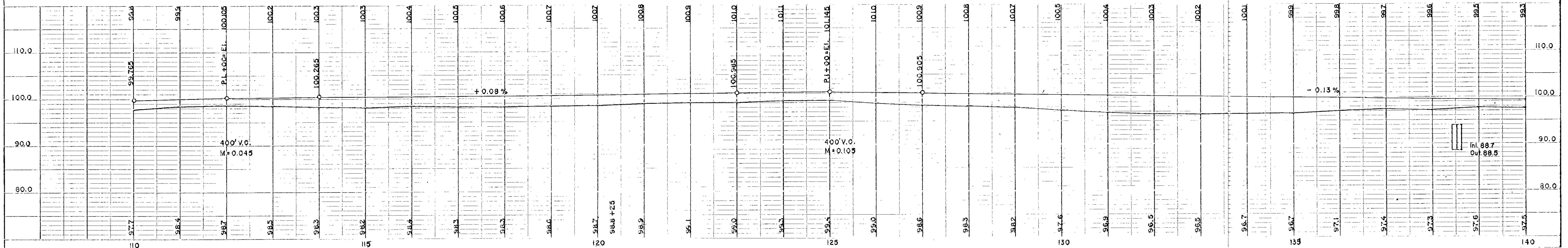
BEG. S.P. 02-509-04 ER 16



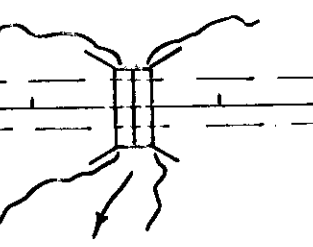
PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	BY	
	CHECKED	
	BY	
	DATE	



PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	BY	
	CHECKED	
	BY	
	DATE	



STA. 138+52.0  
 INP. W 610X40' DOUBLE BOX CULV.  
 TO REMAIN







See Sheet 9-B of 9 Sheets for Cross Sections

**BORROW PIT "B"**  
 In the NE<sub>4</sub> NE<sub>4</sub> Sec. 4 31-22  
 13,745 Cu. Yds.  
 12,300 Cu. Yds. Top Soil  
 18,465 Cu. Yds. Class "C" Borrow  
 Dead Haul 6749.4 Feet  
 Project 4,3800 "  
 Total Haul 11,129 " = 2.11 Mi.  
 Est. Haul Borrow Pit "B" 38,940 cu. yd.

See Sheet 9-A of 9 Sheets for Cross Sections

**BORROW PIT "A"**  
 In the SE<sub>4</sub> SE<sub>4</sub> Sec. 4 31-22  
 23,149 Cu. Yds.  
 4,884 Cu. Yds. Top Soil  
 18,265 Cu. Yds. Class "C" Borrow  
 Dead Haul 3,696.3 Feet  
 Project 4,3800 "  
 Total Haul 8,076.3 " = 1.53 Mi.  
 Est. Haul Borrow Pit "A" 27,945 Cu. Yd. Mi.

SE. COR. SECTION 4 31-22  
STA. 49+03.7

S.A.R. N<sup>o</sup> 5

P.C. 55+447

PI. 57+89.0  
 $\Delta = 44^{\circ}10'$   
 $D = 16^{\circ}00'$   
 $T = 145.3$   
 $L = 359.3$

P.T. 59+20.8

P.C. 65+370

PI. 70+145  
 $\Delta = 32^{\circ}30'$   
 $D = 4^{\circ}00'$   
 $T = 417.5$   
 $L = 812.5$

P.C. 74+09.5

P.C. 76+16.8

PI. 78+51.5  
 $\Delta = 78^{\circ}10'$   
 $D = 20^{\circ}00'$   
 $T = 232.7$   
 $L = 390.8$

P.T. 80+09.7

BEG. S.P. 02-509-04 STA 80+00

