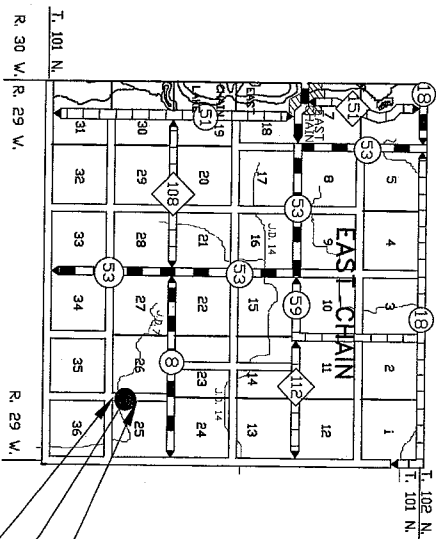
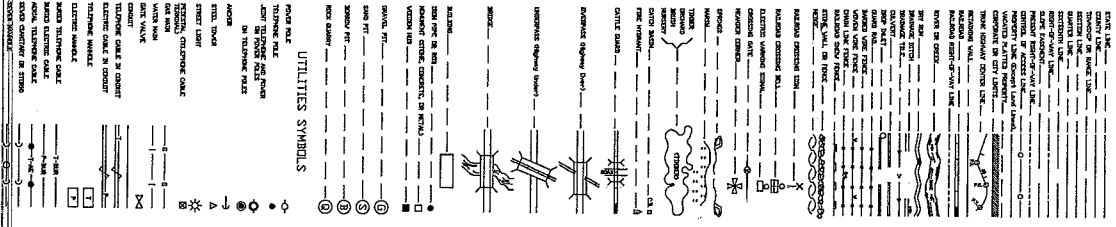


PLAN SYMBOLS



NOTE: THE SUBSURFACE UTILITY IN THIS PLAN IS UTILITY QUALITY LEVEL "0". THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF OJASOC 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF THE EXISTING SUBSURFACE UTILITY DATA".

DESIGN DESIGNATION (RURAL)
 ADT (CURRENT YEAR) UNDER 50 (2009)
 ADT (FUTURE YEAR) N/A
 HOURLY N/A
 N/A TON DESIGN
 DESIGN SPEED .35 M.P.H.
 FUNCTIONAL CLASSIFICATION MINOR
 NO. OF TRAFFIC LANES 2
 NO. OF PARKING LANES 0
 SHOULDER WIDTH 1.0 FT.
 PROVL SOIL FACTOR 1.30%
 STOPPING SIGHT DISTANCE BASED ON:
 3.5 FT. HEIGHT OF EYE
 2.0 FT. HEIGHT OF OBJECT

"FOR INFORMATIONAL PURPOSES ONLY"
 IN NO WAY SHOULD THESE DRAWINGS BE USED IN LIEU OF CONTACTING
 Gopher One Call FOR EXACT UTILITY LOCATIONS.

UTILITY COMPANIES	
UTILITY	OWNER
TELEPHONE	TELEPHONE NO.
ELECTRIC	FEDERAL RURAL ELECTRIC (712) 732-3727
TELEPHONE	FRONTIER COMMUNICATIONS (952) 891-2563

LOCATION (GEOGRAPHIC DESCRIPTION)
 LOCATION (LEGAL DESCRIPTION)

CONSTRUCTION PLAN FOR: BRIDGE REPLACEMENT (OVER J.D. NO.7)

EAST CHAIN TOWNSHIP ROAD 294 (300TH AVE)

COUNTY OF MARTIN
 STATE OF MINNESOTA
 DEPARTMENT OF TRANSPORTATION

BEGINNING AT A POINT 300.00' NORTH OF JCT. 20TH ST. (EAST CHAIN TWP. RD. 143) AND 300TH AVE (EAST CHAIN TWP. RD. 294) AND THENCE TERMINATING 600 FEET EAST ON 300TH AVE. (EAST CHAIN TWP. RD. 294).
 BEGINNING AT A POINT 300.00 FEET N. OF SE COR. SEC. 26 T101N-R29W, AND THENCE NORTH ALONG THE EAST LINE OF SAID SEC. 26 600 FEET THENCE TERMINATING.

GROSS LENGTH	600.00 FEET	0.113 MILES
BROGESS LENGTH	0.00 FEET	0.000 MILES
NET LENGTH	600.00 FEET	0.113 MILES

INDEX OF SHEETS
 SHEET NO. 1 TITLE SHEET & LAYOUT MAP
 SHEET NO. 2-4 ESTIMATED QUANTITIES
 SHEET NO. 5-6 BRIDGE SURVEY SHEETS
 SHEET NO. 7-8 CROSS SECTION SHEETS
 THIS PLAN CONTAINS 8 SHEETS

PLAN	50 ft	0 ft	50 ft	1:50 HORIZ.
SCALE	5 ft	0 ft	5 ft	1:5 VERT.
PROFILE	5 ft	0 ft	5 ft	1:5 VERT.
X-SECTIONS	5 ft	0 ft	5 ft	1:5 VERT.
INDEX MAP	5280 ft	0 ft	5280 ft	1:5280 HORIZ.

END S.A.P. 46-599-71
 STA. 9+00.00
 8' X 5' BOX CULVERT (REPLACES BR. R0468)
 STA. 6+67.42
 BEGIN S.A.P. 46-599-71
 STA. 3+00.00

GOVERNING SPECIFICATIONS

THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR CONSTRUCTION" 2005 EDITION DATED AUGUST 31, 2005 SHALL GOVERN.
 ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH, IN THE CONSTRUCTION OF THIS PROJECT.
 I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

KENN PERMAN, COUNTY ENGINEER
 COUNTY
 REG. NO. 40,907
 DATE 4/20/2009

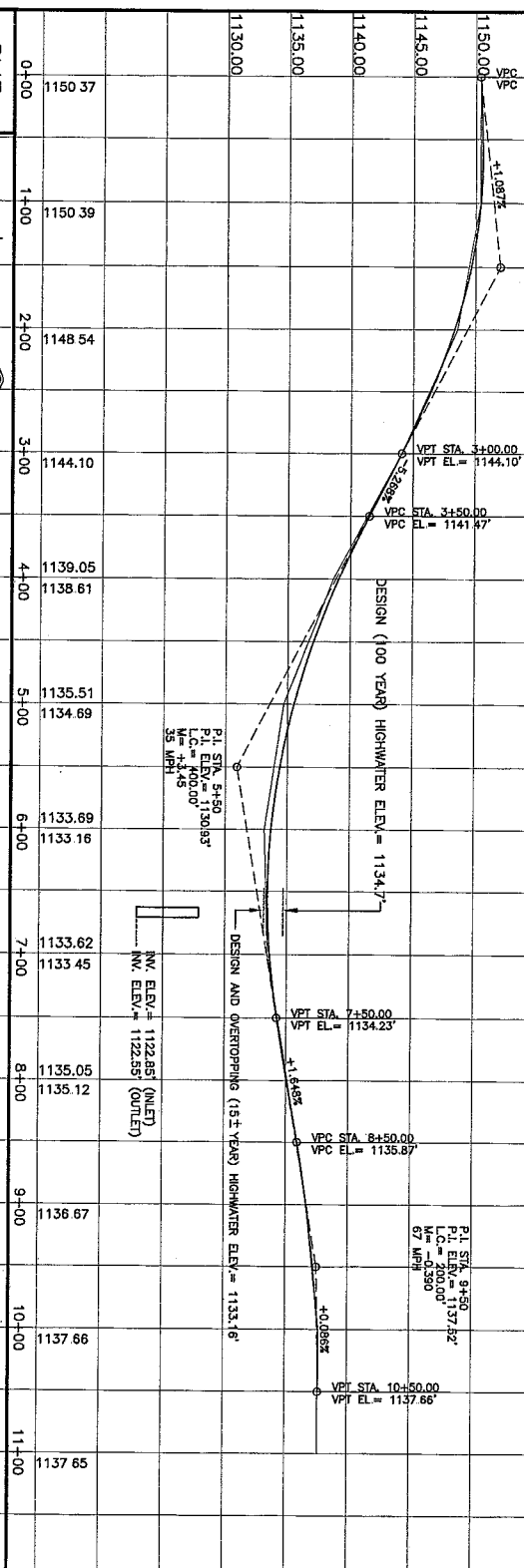
APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER
 DATE 7/23/09

CONTRACTED PROFILE

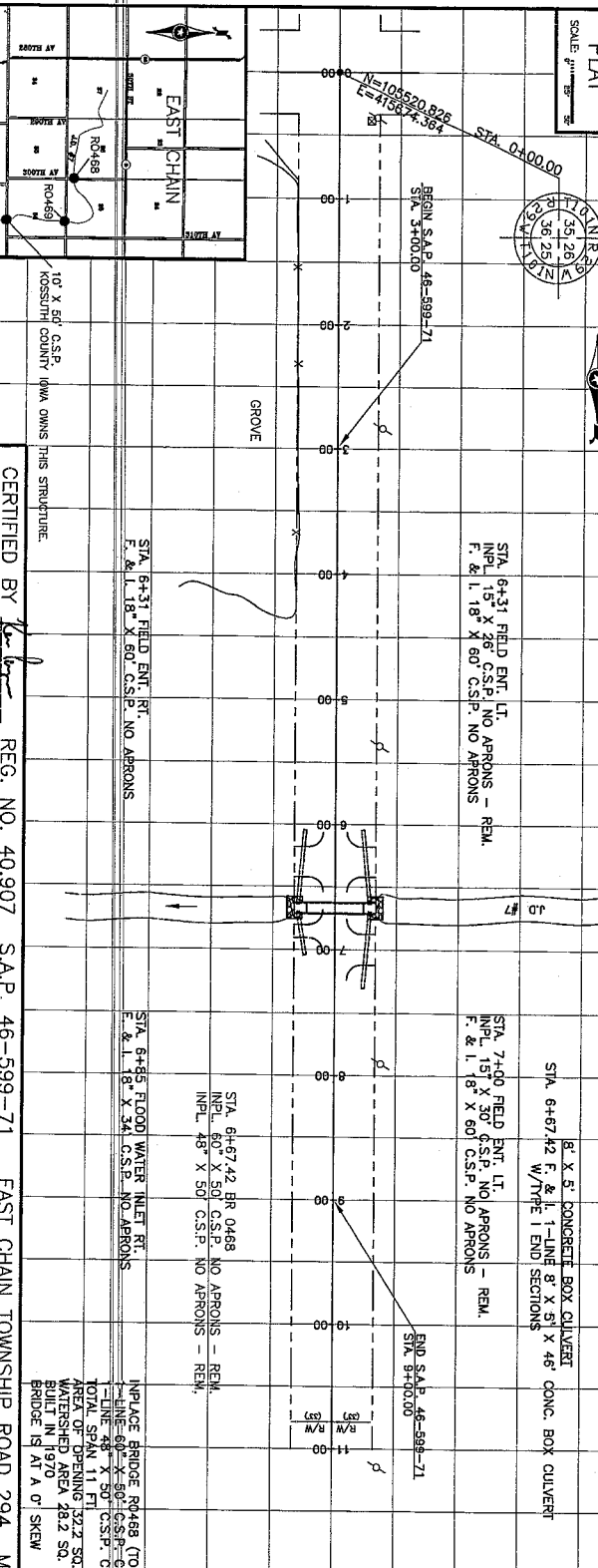
SCALE: HOR. 1"=100' VER. 1"=10'

P.I. STA. 1+59
 P.C. ELEV. 1152.00'
 M=2.38
 41 MPH

P.I. STA. 9+30
 P.C. ELEV. 1137.82'
 M=2.39
 67 MPH



0+00	1150.37	1+00	1150.39	2+00	1148.54	3+00	1144.10	4+00	1139.05	5+00	1135.51	6+00	1133.69	7+00	1133.62	8+00	1135.05	9+00	1136.67	10+00	1137.66	11+00	1137.65
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FOUNDATION ENGINEERS RECOMMENDATION
 DATE: 3/20/2009

1-LINE 8' X 5' X 48" CONC. BOX CULVERT

BRIDGE SURVEY SHEETS MADE FROM: SURVEY BY MARTIN COUNTY HIGHWAY DEPT. ON AUGUST 13, 2002 BY E.W. & S.M. Bench mark elevation: 1157.370' (CANDY 1989) Location: SURVEY ROAD, JMD, R. 1, CABR. LHM, KOSKISHU, 504

MINNESOTA DEPARTMENT OF TRANSPORTATION

BRIDGE SURVEY
 AT ME. POINT: 1.2 ON TWP. 80, 234

PROPOSED BRIDGE LOCATED: 12.3 MILES SE OF FARMINGTON, MINNESOTA

SEC. 28 & 36 TWP. 101N, R. 28W. TOWNSHIP: EAST CHAIN COUNTY: MARTIN. BRIDGE IS AT A 0' SKEW. EXIST. BRIDGE NO.: R. 0468.