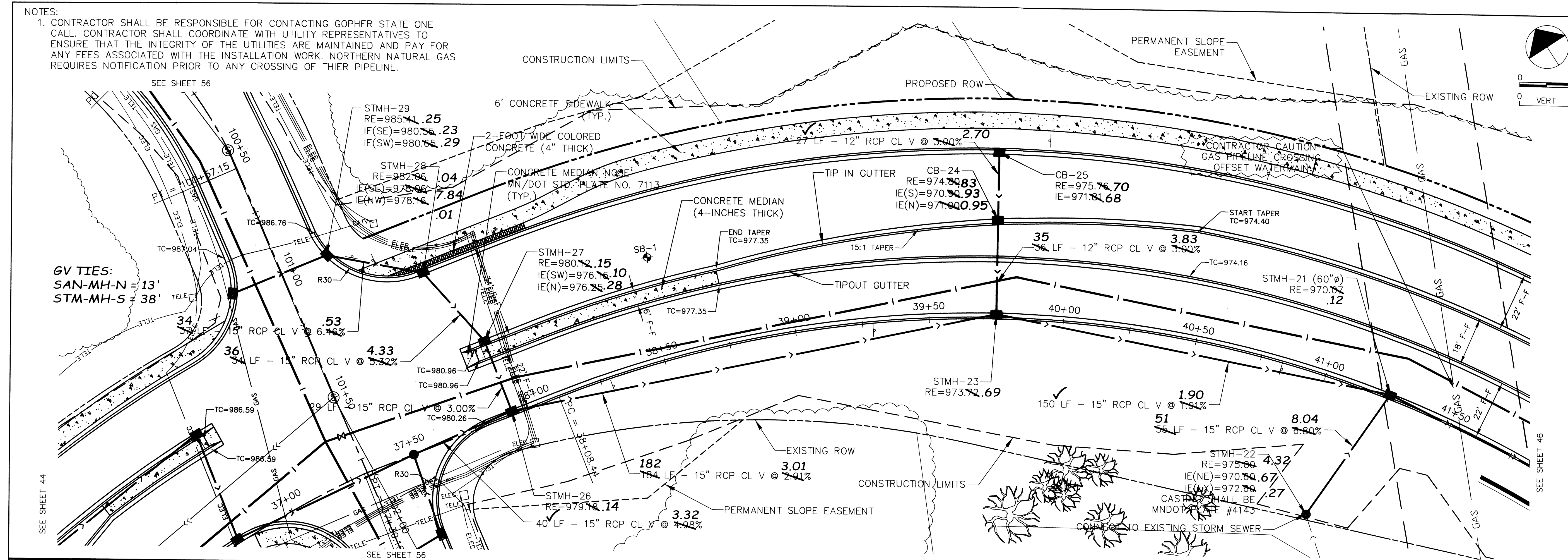


NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING GOPHER STATE ONE CALL. CONTRACTOR SHALL COORDINATE WITH UTILITY REPRESENTATIVES TO ENSURE THAT THE INTEGRITY OF THE UTILITIES ARE MAINTAINED AND PAY FOR ANY FEES ASSOCIATED WITH THE INSTALLATION WORK. NORTHERN NATURAL GAS REQUIRES NOTIFICATION PRIOR TO ANY CROSSING OF THEIR PIPELINE.



193RD AVENUE		193RD AVENUE	
STATION	ELEVATION	STATION	ELEVATION
990	988.09	36+50	988.09
985	986.2	37+00	986.1
980	984.8	37+50	984.8
975	982.5	38+00	982.4
970	980.2	38+50	978.23
965	977.9	39+00	975.73
960	975.6	39+50	972.5
955	973.3	40+00	972.5
950	971.0	40+50	972.38
	968.7	41+00	969.65
	966.4	41+50	967.4

PROP RE=983.74
EX. SAN RE=986.16
IE(W)=970.24
IE(N)=970.34
IE(E)=970.34
IE(S)=970.34

STMH-34 RE=984.86.501
IE(NE)=980.86.83
IE(NW)=980.96.87

STMH-31 RE=981.27.62
IE(NE)=977.37.19
IE(SE)=977.37.21
IE(SW)=977.37.22

STMH-26 RE=979.18.14
IE(E)=975.18.09
IE(SW)=975.28.18
IE(NW)=975.28.17

STMH-23 RE=973.72.69
IE(SE)=969.72.45
IE(N)=969.82.59
IE(W)=969.82.61

STMH-21 RE=970.02.12
IE(SE)=966.76.50
IE(NW)=966.86.60
IE(SW)=966.86.57

PVI STA = 38+75
PVI ELEV = 975.46
A.D. = 3.92
K = 51.08
200.00' VC

PVI STA = 40+60
PVI ELEV = 973.36
A.D. = -2.99
K = 50.22
150.00' VC

12" DIP WATERMAIN
12" RCP CL V @ 3.00%
15" RCP CL V @ 2.91%
15" RCP CL V @ 1.91%
15" RCP CL V @ 0.80%

12" DIP WATERMAIN
18" MIN.
TOP=963.36 (FIELD VERIFY)

OFFSETTING OR EXTRA DEPTH OF WATERMAIN FOR GAS LINE SEPARATION IS INCIDENTAL TO THE PROJECT

REVISIONS

NO.	DATE	DESCRIPTION
1	1/25/10	JA RECORD DRAWING

HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Print Name: JOHN M. ANDERSON
Signature: *[Signature]*
Date: 07-31-08 License # 25889

SP 204-104-07

CITY OF ELK RIVER
193RD AVENUE STREET CONSTRUCTION
STREET AND STORM SEWER
193RD AVENUE
RECORD PLAN

BDM
CONSULTING ENGINEERS, PLC
Engineers and Surveyors
11040 183rd Circle NW
Elk River, MN 55330
Phone: (763) 441-0877
Fax: (763) 441-7724
bdmce.com

DRAWN BY: NAB
CHECKED BY: KJE
DESIGNED BY: KJE
JOB NO. 226069D

SHEET **45** SHEETS **146**