STORM SEWER

MATCH DITCH GRADE 882.29 AT STATION 1+86

RESTORE DISTURBED AREAS WITH 4" OF TOPSOIL AND SOD.

15" VCP DRAINTILE CUT AND BLOWN FULL OF SAND.

STRAIGHT LINE CUT, TACK AND MATCH EXISTING BITUMINOUS

CONSTRUCTION LIMITS

HOUSE

48 TONS CLASS III RIP-RAP TO 1+35 SEE SHEET 9

RECONSTRUCT DITCH AS SHOWN ON CROSS SECTIONS SEE SHEET 9

REGRADE @ 4:1 MAX. SLOPE

SECTION LINE

CSAH 12

CLEAR AND GRUB EXISTING TREES AND BRUSH WITHIN CONSTRUCTION LIMITS.

EXISTING GAS LINE EASEMENT 25.00' 75.00'

EXISTING GAS LINE EASEMENT

4" PVC RISER PIPE

8"/8" WOOD POST

6" PVC RISER PIPE PROP. CORNER

15" VCP

15" VCP DRAINTILE

MH 10 (72"ø) TOP 905.10

MH 9 (72"ø) TOP 896.5

SEE SHEET 7

EXISTING FENCE POST

2-7.5° BENDS

SURVEY TRAVERSE

FARM FIELD

S 36°16'58" W

S 09°47'12" W

S 05°44'23" E

12" RCP

18' OF 15" PVC

2 45° BENDS WITH FERNCO ADAPTER

VCP EXISTING

PROPOSED GRADE

4:1 MAXIMUM SLOPE

GROUND @ 907.5

TOP CSLG @ 905.17
TOP SLAB @ 904.94

BURY MANHOLE TOP SLAB 2.2' BELOW GRADE

EXISTING ℄ PROFILE

GROUND-896.5

TOP CSLG-896.50
TOP SLAB-895.90

BURY MANHOLE TOP SLAB 2' BELOW GRADE

SEE SHEET 7

304'(296'+8'F.E.)-42"RCP CL.III @ 0.36%

INV. 882.50

184'-42" RCP CL. III @ 0.41%

(N)INV. 883.78
(S)INV. 883.65

DRAINTILE (E)INV.

310'-42" RCP CL. III @ 0.31%

INV. 884.41

(N)INV. 885.63
(S)INV. 885.52

+86 MATCH EXISTING

+35 END RIP-RAP

+00 END 42" F.E.S.

+00 ℄ CSAH 13

+05 MH 10-72"ø

+89 2-7.5° BENDS

+00 MH 9-72"ø

RECORD PLAN
JANUARY 1996

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

DATE 5/10/96 REG.NO. 16316

MSA CONSULTING ENGINEERS

1326 ENERGY PARK DRIVE
ST. PAUL, MINNESOTA 55108
(612) 644-4389

9800 SHELARD PARKWAY
MINNEAPOLIS, MINNESOTA 55441
(612) 546-0432

REVISIONS	DATE	DESCRIPTION

DESIGNED DEN
CHECKED
DRAWN TPC
GRAPHIC SCALE 0 HORIZ. 50 0 VERT. 5

CITY OF ELK RIVER

STORM SEWER IMPROVEMENTS

DATE APR.1994 | SHEET 8 OF 11 SHEETS | PROJECT NO. 230-211

ER211-7

1013

Wed Feb 28 08:00:33 1996

DRAWING NUMBER

SAFCO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 8582

DRAWING NUMBER

SAFCO PRODUCTS • NEW HOPE, MINNESOTA
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DRAWING NUMBER
5STRE.95
8

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