NAPLES STREET NW

SEE SHEET 31

SEE SHEET 27

SANDPIPER ESTATES

COUNTY ROAD 30

182ND AVENUE NW

STRAIGHT LINE CUT, TACK AND MATCH EXISTING BITUMINOUS MILL EXISTING WEAR COURSE A MINIMUM OF 4'

SALVAGE AND REINSTALL EX. SIGN

10"x 10" TEE

10" PLUG

10"x 6" TEE
9' – 6" DIP
HYDRANT
W/ 6" VALVE

CONSTRUCTION LIMITS

R=30'

5' TAPER

INV. 885.88

MH 28

0+00

0+50

1+00

1+50

2+00

2+50

3+00

3+50

4+00

4+50

5+00

MH 27

CB 25
GL 885.20

CB 26
GL 885.23

TC 885.58

TC 885.64

R=20'

ST MH 19
GL 885.20

TC 885.34
CB 24
GL 884.92

TC 885.61

INV. 884.32

INV. 883.31

INV. 883.11

15" CMP

30" CMP

PC = 4+02.45

PT = 4+36.49

L = 34.04

SALVAGE EXISTING 15" CMP

INV. 885.71

INSTALL 60 LF 15" CMP TO PREVIOUS LOCATION AND INVERT ELEVATIONS

18" BIT D/W

16' BIT D/W

265 L.F.–10" WATERMAIN, MAINTAIN 7.5' MINIMUM COVER BELOW GRADE

SALVAGE AND REINSTALL EX. SIGN

NOTE:
EXTEND 10" WATERMAIN TO EASTERLY PLAT LINE OF SANDPIPER ESTATES.

10" PLUG

10"x 6" TEE
11' – 6" DIP
HYDRANT
W/ 6" VALVE

CURVE DATA
Δ = 07°48'59"
R = 506.81'
T = 34.62'
L = 69.14'

6" VALVE

6"–11 1/4" BEND

SALVAGE EXIST. CMP

ST MH 18
GL 884.80

10"x 6" REDUCER

CONSTRUCTION LIMITS

HOUSE
FF=890.55
GAR.=889.78

HOUSE
FF=890.09
GAR.=888.70

HOUSE
FF=890.55
GAR.=889.37

GARAGE

CONCRETE

32' CONC. D/W

1" PINE

2" PINE

1" TREE

2" TREE

3" TREE

FLAG POLE

PP

MB

LP

EB

DELETED BY CHANGE ORDER #1
9/7/94

PROFILE

TOP 887.88

TOP 885.31

PVI STA = 0+18
PVI ELEV = 888.09

PVI STA = 4+00
PVI ELEV = 885.23

-2.06%

-0.75%

EXISTING ℄ PROFILE

FINISHED ℄ GRADE

EXISTING 15" CMP

7.5' MIN. COVER

7.5' MIN. COVER

349 L.F. – 10" DIP WATERMAIN

343' – 8" PVC @ 0.40%

(S)INV 872.58–PLUGGED
(N)INV 872.48

50'–24" RCP CL.3 @ 0.25%

(W)INV 881.35
(N)INV 881.25

INV 881.13

75 L.F. – 6" WATERMAIN

67' – 8" PVC @ 0.40%

INV 870.74

(W)INV 875.00–OUTSIDE DROP
(S)INV 871.11
(N)INV 871.01

℄ 182ND AVENUE NW

MH 27 +83.02

ST MH 18 +00

MH 28 +40

888.46 887.85 887.48 887.10 886.72 886.35 885.98 885.60 885.23 885.43

895 890 885 880 875 870

0 1 2 3 4

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.
Mark V. Graham
DATE 8/15/94 REG.NO. 19130

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
CHECKED
DRAWN

GRAPHIC SCALE
0 20
0 VERT. 5

CITY OF ELK RIVER
SANITARY SEWER, WATERMAIN, STREET AND STORM SEWER
NAPLES STREET NW
0+00 TO 4+50

DATE AUGUST 1994 | SHEET 26 OF 63 SHEETS | PROJECT NO. 230–223

ER223S–6

984

SAFCO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 65352