196TH LANE NW

NOTES:

1. VERIFY LOCATION AND ELEVATIONS OF EXISTING UTILITIES.
2. CONTACT "GOPHER STATE ONE CALL" FOR LOCATIONS OF BURIED UTILITIES. CALL (651) 454-0002 OR 1 (800) 252-1166.
3. 4" P.V.C. SDR 26, SANITARY SEWER SERVICES.
4. 90°, TYPE "K" COPPER, WATER SERVICE.
5. VALVES TO BE PLACED 3' FROM HYDRANT.
6. HYDRANTS TO BE 8'-6" BURY.

RECORD DRAWING - JANUARY 2004

STA. 10+91
8"X4" WYE
32LF-4" PVC
SEW INV. 971.00 ⊕ MAIN
16LF-1" COPPER
12

STA. 11+86
8"X4" WYE
32LF-4" PVC
SEW INV. 966.89 ⊕ MAIN
16LF-1" COPPER
13

CONSTRUCT SURMOUNTABLE CURB AND GUTTER

11-1/4° BEND

HYD W/6" GV
10"X6" TEE
7LF-6" DIP
3' BEHIND CURB
STA. 12+45 12.3'LT.

INSULATION

SEE SHEET U1

SEE SHEET U7

10"x8" TEE
STA. 14+26 10.4'LT.

8" VALVE

INSULATE WATERMAIN (3"-4'X8')

SEE SHEET U3

MH 5 · MH 4 · MH 3

CBMH 10
RIM-975.85

CBMH 5
RIM-978.77

CBMH 6
RIM-975.85

STA. 10+32
8"X4" WYE
45LF-4" PVC
SEW INV. 973.59 ⊕ MAIN
53LF-1" COPPER
2

STA. 11+08
8"X4" WYE
47LF-4" PVC
SEW INV. 970.25 ⊕ MAIN
56LF-1" COPPER
3

STA. 11+83
8"X4" WYE
45.5LF-4" PVC
SEW INV. 966.90 ⊕ MAIN
57LF-1" COPPER
4

STA. 12+59
8"X4" WYE
35LF-4" PVC
SEW INV. 966.59 ⊕ MAIN
45LF-1" COPPER
5

STA. 13+40
8"X4" WYE
45LF-4" PVC
SEW INV. 966.17 ⊕ MAIN
56LF-1" COPPER
6

11-1/4° BEND

SEE SHEET U5

BALDWIN ST.

TC 975.90

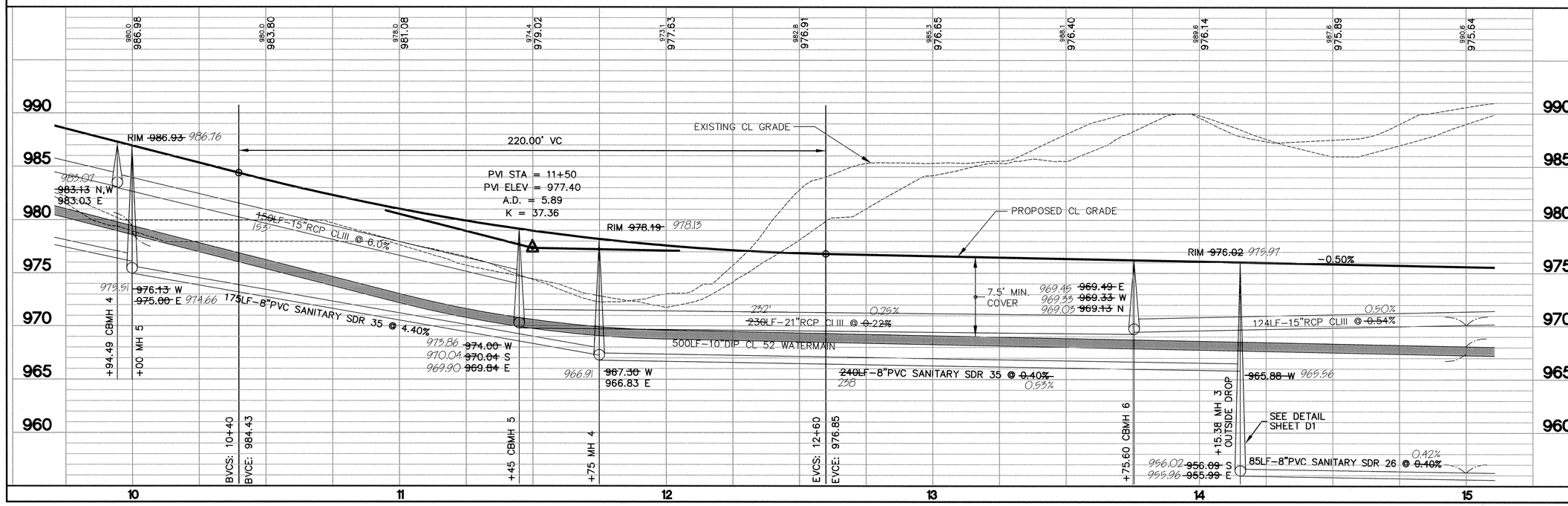
R=20(TYP.)

CONSTRUCT 6' WIDE CONCRETE SIDEWALK

CONSTRUCT SIDEWALK PEDESTRIAN RAMP (SEE DETAIL)

NOTE:
SANITARY SEWER SERVICES ON THE SOUTH SIDE 196TH AVE. NW TO EXTEND 10FT. BEYOND R.O.W. WATERMAIN SERVICES TO EXTEND 10FT. BEYOND THE CURB STOP.

NORTH
0 20
0 VERT. 5



OWNER/DEVELOPER
RIVERSIDE COMPANIES
19230 EVANS STREET, SUITE 115
ELK RIVER, MINNESOTA
PHONE: 763-241-1801

METRO
LAND SURVEYING & ENGINEERING
412 East County Road D, Little Canada, MN 55117
Telephone: (651) 766-0112 Fax: (651) 766-0612
E-mail: metro@metrosurveying.com

DRAWN MBW
DATE 1/26/04
SCALE 1"=50'
PROJECT R101.001
CHECKED
APPROVED

SANITARY SEWER, WATERMAIN, STORM SEWER AND STREET CONSTRUCTION
HILLSIDE ESTATES 9TH ADDITION
196TH LANE NW
STA. 0+00 TO 5+00
CITY OF ELK RIVER, MINNESOTA

I 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.

John C. Johnson
JOHN C. JOHNSON LICENSE NO. 11546
DATE 3/21/05

DATE	REVISIONS	BY
6/25/03	PER CITY REVIEW	PK
7/1/03	10" W.M. AND MISC.	PK

U3

DRAWING NUMBER
SAFCO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 5502