GENERAL NOTES:

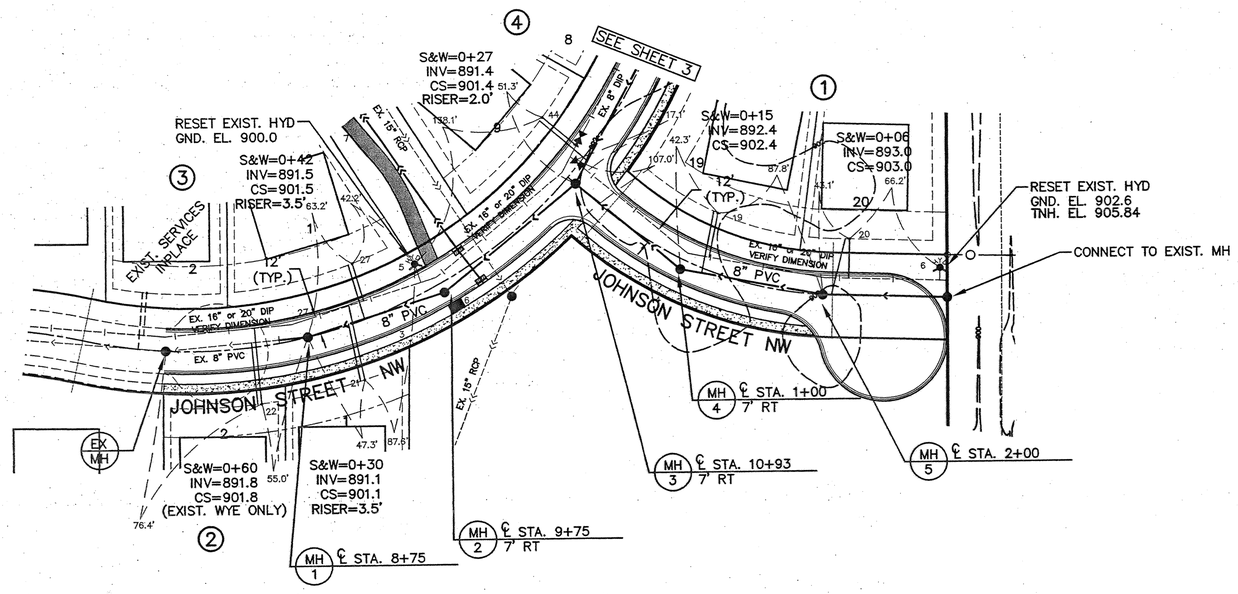
1.) SANITARY SEWER SERVICES SHALL BE 4" PVC SDR-35.

2.) SANITARY SEWER SERVICE WYES ARE STATIONED FROM DOWN STREAM MANHOLE.

3.) WATER SERVICES SHALL BE 1" COPPER TYPE "K" W/ 7.5' MINIMUM COVER.

4.) SANITARY SEWER INVERTS ARE SHOWN AT THE BEND JUST BEFORE THE RISER PIPE.

5. SANITARY SEWER & WATER SERVICES SHALL BE CONSTRUCTED 10' BEYOND RIGHT-OF-WAY.



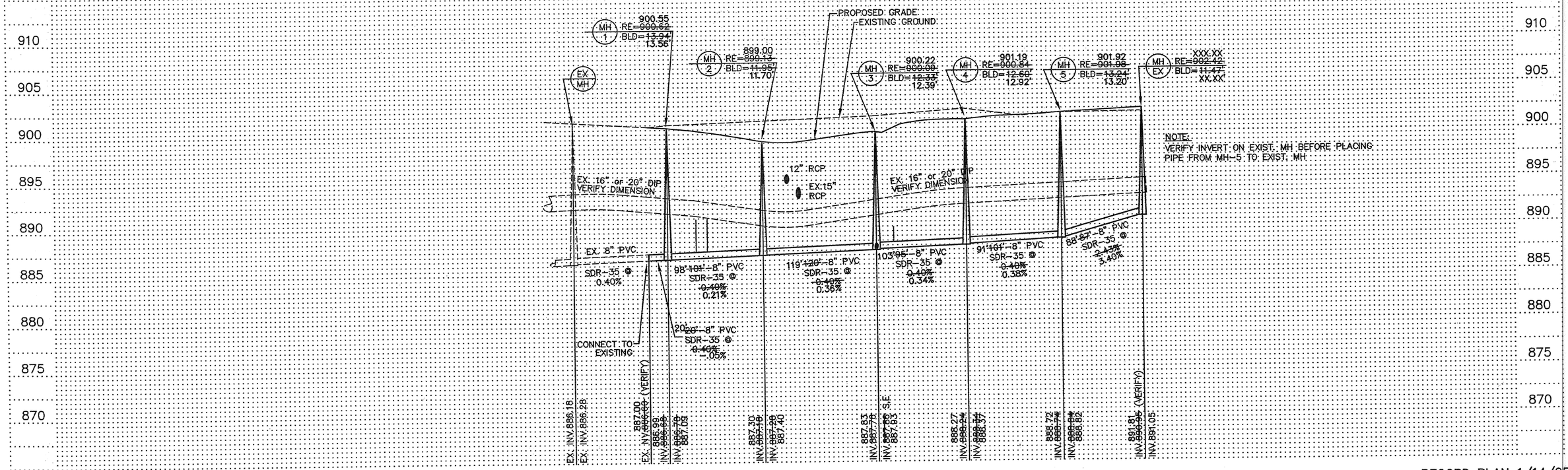
0 25 50 100
GRAPHIC SCALE IN FEET

BENCHMARKS

DOUBLE SPIKE EAST FACE OF POWER POLE, WEST SIDE OF FILLMORE STREET N.W., 50± FT. SOUTH OF 178TH AVENUE N.W.. ELEVATION = 897.82 FT.

TRIPLE SPIKE EAST FACE OF POWER POLE, NW QUADRANT OF FILLMORE STREET AND 175TH AVENUE N.W.. ELEVATION = 909.73 FT.

JOHNSON STREET NW



NOTE:
VERIFY INVERT ON EXIST. MH BEFORE PLACING PIPE FROM MH-5 TO EXIST. MH

RECORD PLAN 1/14/05

PIONEER engineering PA
LAND SURVEYORS • CIVIL ENGINEERS
LAND PLANNERS • LANDSCAPE ARCHITECTS
201 85th Avenue NW, Coon Rapids, MN 55433 (763) 783-1880 FAX:783-1883
2422 Enterprise Drive Mendota Heights, MN 55120 (651) 681-1914 FAX:681-9488

I hereby certify that this plan 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.

Name Brian F. Kallio
Reg. No. 25817 Date 7/8/04

Revisions
1. 7/8/04
2. 8/3/04
3. 1/14/05
3. AS-BUILT
2. Change address
1. Per city comments

Date 6/3/04
Designed B.F.K.
Drawn LC

SHEET TITLE: SANITARY SEWER & WATERMAIN

OWNER: GSS PROPERTIES, LLC
8857 ZEALAND AVENUE NORTH
BROOKLYN PARK, MINNESOTA 55445

PROJECT: KLIEVER LAKE FIELDS 2ND ADDITION
ELK RIVER, MINNESOTA

SHEET 2 OF 13 SHEETS

#200376

L:\Engineering\200376 - KlieverLakeFields\2nd Addition\200376310
Plot Date: Feb 04, 2005

DRAWING NUMBER
SAFCO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 60302
PRINTED SIDE OF PAPER ON THIS LINE

DRAWING NUMBER
SAFCO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 60302
PRINTED SIDE OF PAPER ON THIS LINE

DRAWING NUMBER
SAFCO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 60302
PRINTED SIDE OF PAPER ON THIS LINE

KLIEV.04
2