LOWELL AVENUE

REMOVE AND REPLACE S/W, FIELD VERIFY DIMENSIONS

PED RAMP (LOCATION & SIZE TO BE DETERMINED IN FIELD)

PROTECT & MATCH EX. 5' SIDEWALK

FURNISH AND INSTALL 4" CASTING PROP. TOP 893.82 NEENAH CAST. R-1733-1

MATCH EXISTING CURB & GUTTER

PED RAMP

ADJUST CASTING PROP. GL 893.10

EX.ST.CB TOP 892.98 INV 888.98 5 RINGS

EX.SAN.MH TOP 893.41 INV 878.99 0 RINGS

PED RAMP

EX.ST.CB TOP 892.59 INV 888.52 5 RINGS

MILL EXISTING BITUMINOUS SURFACE 1" DEEP X 4' WIDE, STRAIGHT LINE CUT, TACK & MATCH EXISTING BITUMINOUS

MATCH EXISTING CURB & GUTTER

PROTECT & MATCH EX. 5' SIDEWALK

DISCONNECT SERVICES

EXISTING WATERMAIN

COPPER TO COPPER CONNECTION

ADJUST CASTING PROP.TOP 898.42

CONSTRUCTION LIMITS

EX.SAN.MH TOP 898.43 INV 888.27 1 RING

NOTES:
1. EXISTING SIGNS SHALL BE SALVAGED TO THE CITY AS DIRECTED BY THE ENGINEER
2. TREES SHALL NOT BE CLEARED AND GRUBBED UNLESS MARKED FOR REMOVAL BY THE ENGINEER.
3. FIELD VERIFY LOCATION OF D/W OPENINGS.

END 8" THICK CONC. SIDEWALK

BEGIN 8" THICK CONC. SIDEWALK

EX. CURB & GUTTER

CB 1 GL 899.09

CB 2 GL 898.72

CONNECT TO EX. ST/MH

EX.ST.CB TOP 899.80 INV 895.70

MATCH EXISTING CURB & GUTTER

PED RAMP

MILL EXISTING BITUMINOUS SURFACE 1" DEEP X 4' WIDE, STRAIGHT LINE CUT, TACK & MATCH EXISTING BITUMINOUS

SURMOUNTABLE CURB AND CASTING

PROPOSED ℄ 1' EAST OF EXISTING ℄

PED RAMP

MATCH EXISTING CURB & GUTTER

STORM MH TOP 899.25

TC 899.43

TC 899.36

TC 899.54

GAS PUMP ISLAND

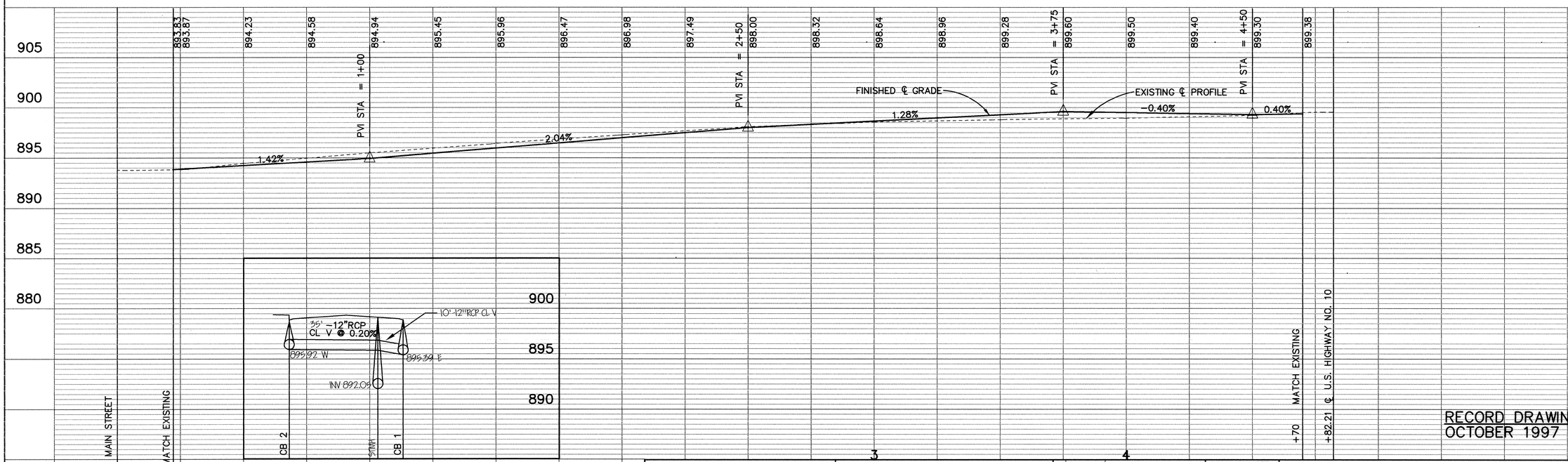
STREET

MAIN

HIGHWAY NO. 10

U.S.

RECORD DRAWING
OCTOBER 1997



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 12/5/96 REG.NO. 15316

MSA CONSULTING ENGINEERS

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

REVISIONS	DATE	DESCRIPTION

DESIGNED SEF
CHECKED
DRAWN RKM
GRAPHIC SCALE 0 20 0 VERT. 5

CITY OF ELK RIVER
STREET IMPROVEMENTS
LOWELL AVENUE
0+00 TO 4+75

DATE NOV. 1996 | SHEET 25 OF 31 SHEETS | PROJECT NO. 230-331

ER330-1

1081

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER
ORONO3.96
25

SAFCO PRODUCTS • NEW HOPE, MINNESOTA
REORDER BY PART NUMBER 8592

J:\PROJECTS\230-331\CAD\ELKRIVER\ER330\ER330-1.dwg Wed Dec 03 15:23:16 1997