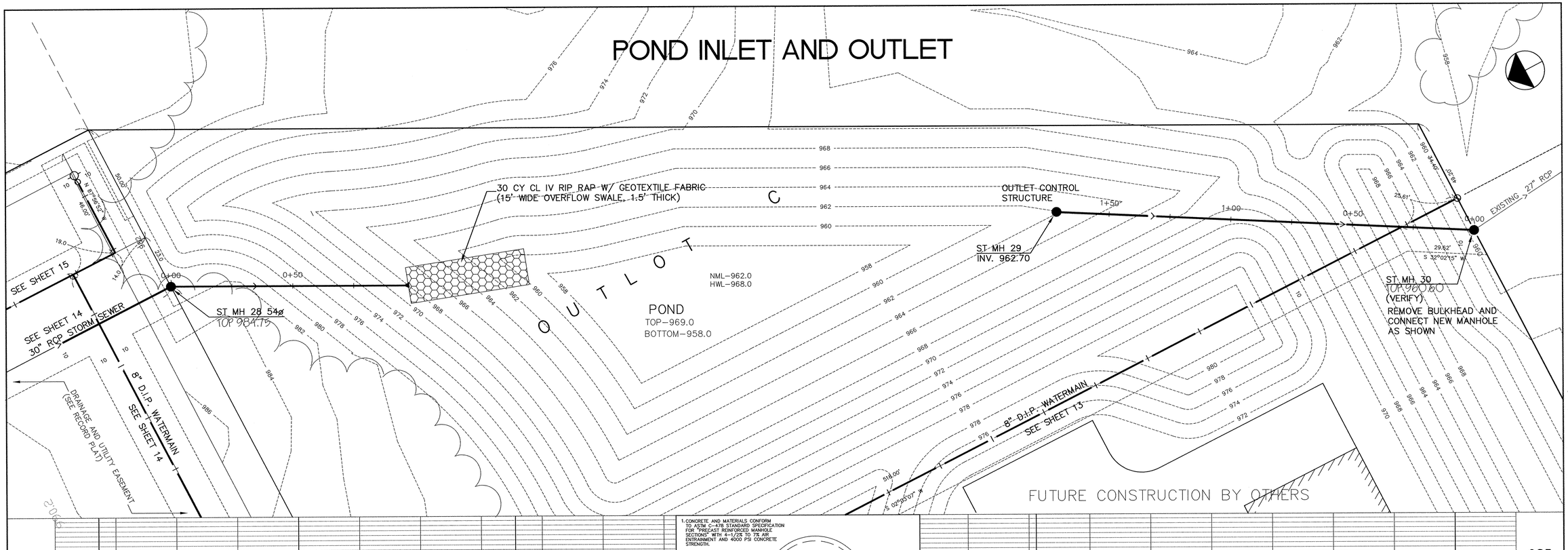
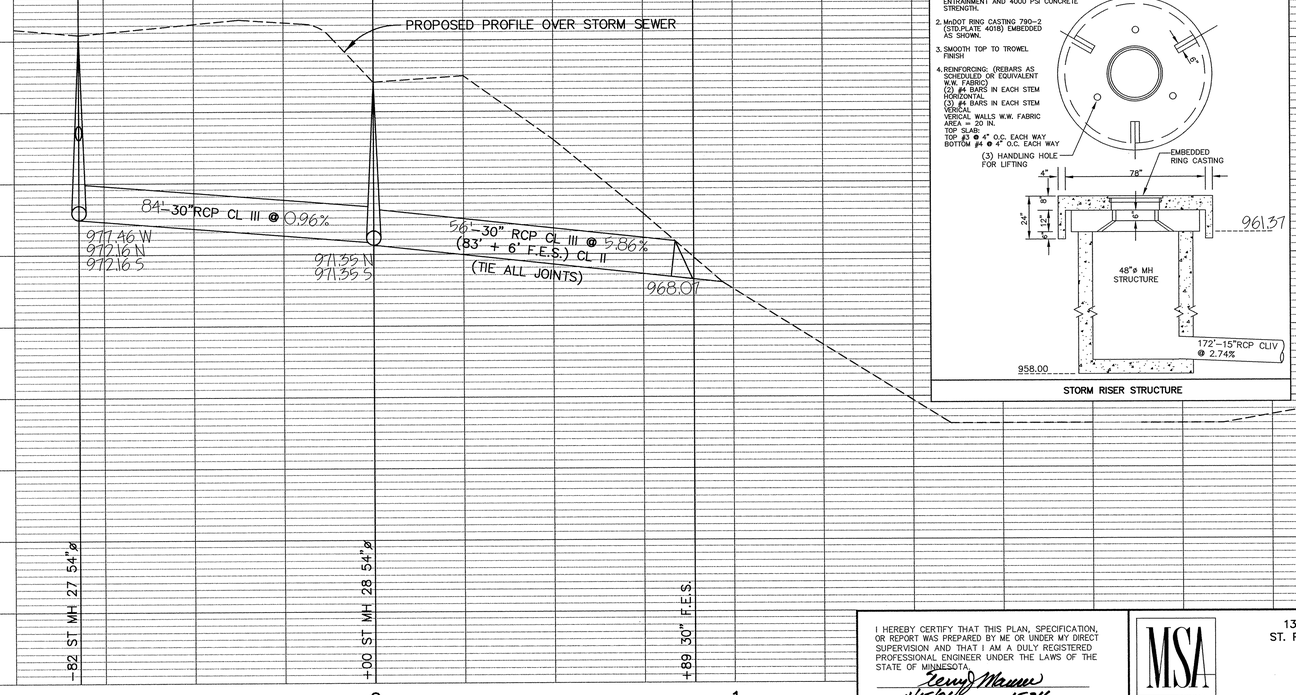
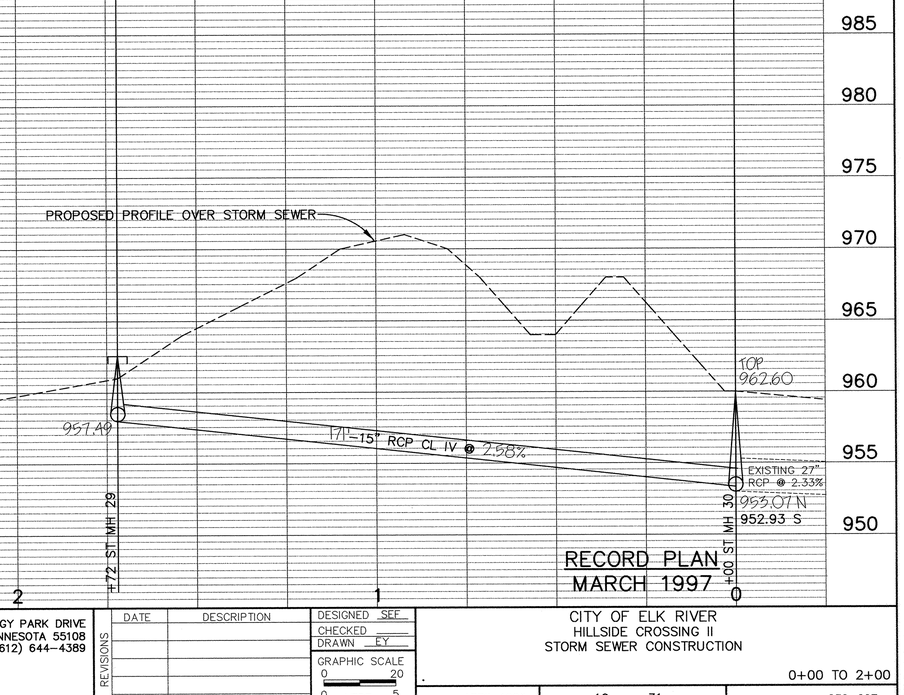
POND INLET AND OUTLET





1. CONCRETE AND MATERIALS CONFORM TO ASTM C-478 STANDARD SPECIFICATION FOR "PRECAST REINFORCED MANHOLE SECTIONS" WITH 4-1/2% TO 7% AIR ENTRAINMENT AND 4000 PSI CONCRETE STRENGTH.
2. MnDOT RING CASTING 790-2 (STD.PLATE 4018) EMBEDDED AS SHOWN.
3. SMOOTH TOP TO TROWEL FINISH
4. REINFORCING: (REBARS AS SCHEDULED OR EQUIVALENT W.W. FABRIC)
(2) #4 BARS IN EACH STEM HORIZONTAL
(3) #4 BARS IN EACH STEM VERICAL
VERICAL WALLS W.W. FABRIC AREA = .20 IN.
TOP SLAB:
TOP #3 @ 4" O.C. EACH WAY
BOTTOM #4 @ 4" O.C. EACH WAY

STORM RISER STRUCTURE



RECORD PLAN
MARCH 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 4/15/96 REG.NO. 15816

MSA CONSULTING ENGINEERS

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

REVISIONS	DATE	DESCRIPTION

DESIGNED SEE
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GRAPHIC SCALE 0 20 0 VERT. 5

CITY OF ELK RIVER
HILLSIDE CROSSING II
STORM SEWER CONSTRUCTION
0+00 TO 2+00

DATE APRIL 1996 | SHEET 16 OF 31 SHEETS | PROJECT NO. 230-297

ER297-11

1197

DRAWING NUMBER

DRAWING NUMBER
HILLSC2.97
16

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