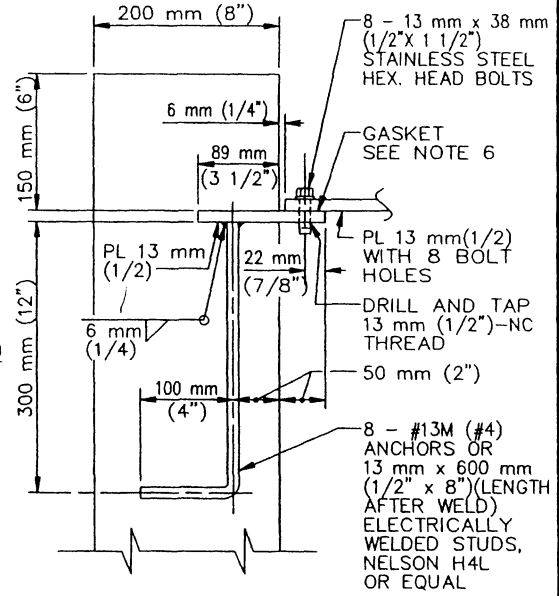
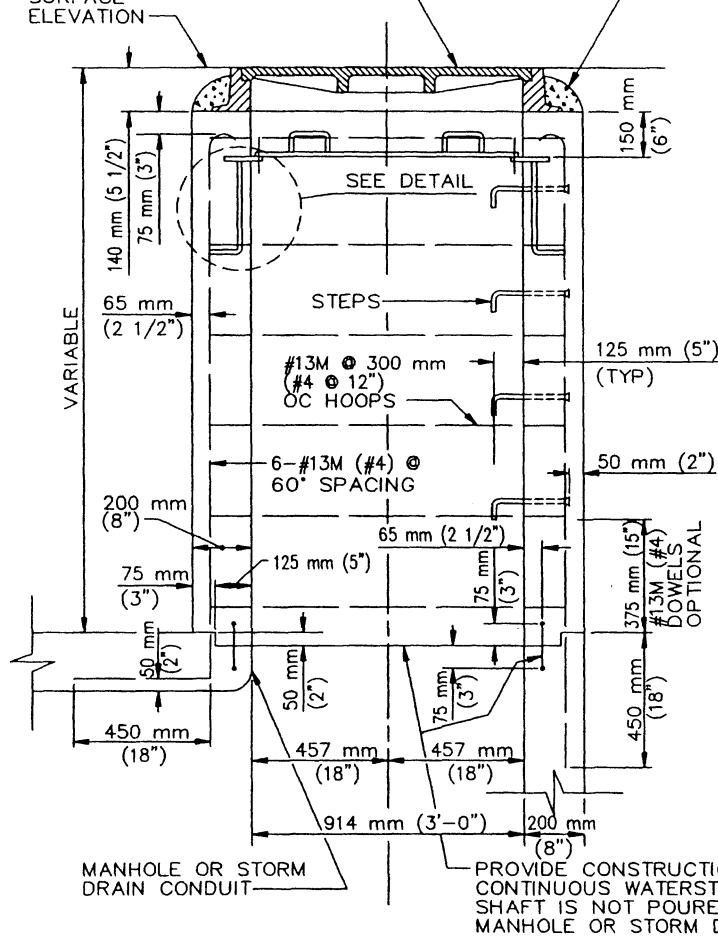


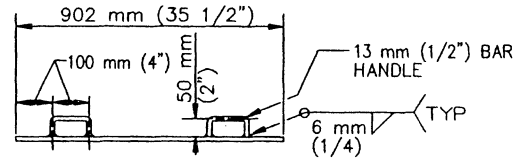
MANHOLE FRAME AND COVER
PER SPPWC 633

COLLAR, CLASS C MORTAR

SURFACE
ELEVATION

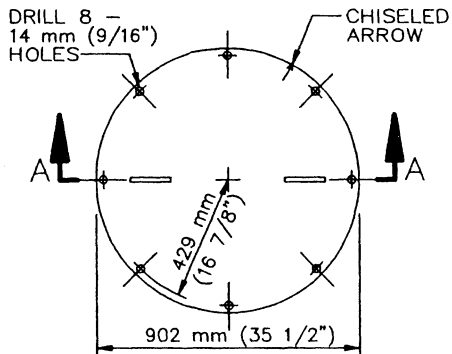


DETAIL

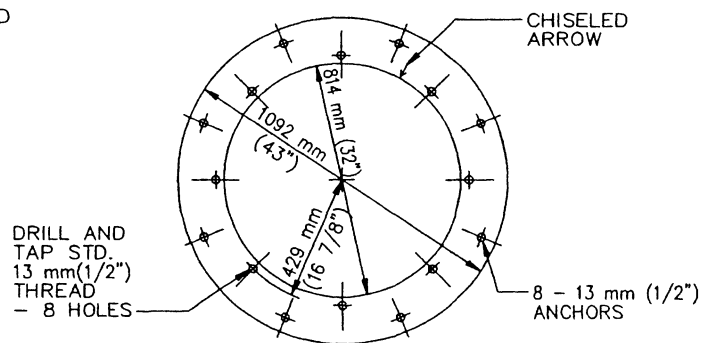


SECTION A-A

VERTICAL SECTION OF SPECIAL
PRESSURE MANHOLE SHAFT



PLAN
PRESSURE PLATE



PLAN
PRESSURE PLATE RING

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
1982
REV. 1996

**PRESSURE MANHOLE SHAFT AND PRESSURE
PLATE DETAIL 914 mm (36") WITHOUT REDUCER**

STANDARD PLAN
METRIC
329-1

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

SHEET 1 OF 2

NOTES

1. THIS STRUCTURE MAY BE USED FOR HYDROSTATIC HEADS UP TO 7.5 m (25') ABOVE THE PRESSURE PLATE.
2. 914 mm (36") MANHOLE FRAME AND COVER PER SPPWC 633 SHALL BE USED.
3. REINFORCEMENT SHALL BE PER ASTM A 615, GRADE 40 AND SHALL TERMINATE 40 mm (1 1/2") CLEAR OF CONCRETE SURFACES UNLESS OTHERWISE SHOWN. HOOPS MAY BE ELECTRICALLY BUTT WELDED OR THE ENDS LAPPED 450 mm (18").
4. THE MANHOLE SHAFT SHALL BE LOCATED ABOVE AND IN LINE WITH THE SIDE OF THE CONDUIT BELOW.
5. STEPS SHALL CONFORM TO SPPWC 635 OR 636. UNLESS OTHERWISE SHOWN, STEPS SHALL BE UNIFORMLY SPACED 350 mm (14") TO 375 mm (15") OC.
6. GASKET MATERIAL SHALL BE NEOPRENE (OR EQUAL) 2 mm (1/16") THICK BY 32 mm (1 1/4") WIDE.
7. BOLTS SHALL BE STAINLESS STEEL CONFORMING TO ASTM A 320M (ASTM A 320), GRADE B8.
8. PRESSURE PLATE AND PRESSURE PLATE RING SHALL BE STEEL CONFORMING TO ASTM A 36M (ASTM A 36) AND SHALL BE GALVANIZED. PLATES SHALL BE MARKED IN SETS AND A CHISELED ARROW STAMPED ON BOTH PLATES, AFTER DRILLING AND TAPPING, TO FACILITATE FIELD ASSEMBLY.
9. SEE CONTRACT SPECIFICATIONS FOR PHYSICAL REQUIREMENTS OF WATERSTOP.
10. THE FOLLOWING SPPWC ARE INCORPORATED HEREIN:
633 914 mm (36") MANHOLE FRAME AND COVER
635 STEEL STEP
636 POLYPROPYLENE PLASTIC STEP

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

**PRESSURE MANHOLE SHAFT AND PRESSURE
PLATE DETAIL 914 mm (36") WITHOUT REDUCER**

STANDARD PLAN
METRIC

329-1

SHEET 2 OF 2