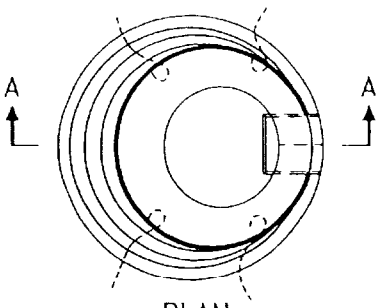
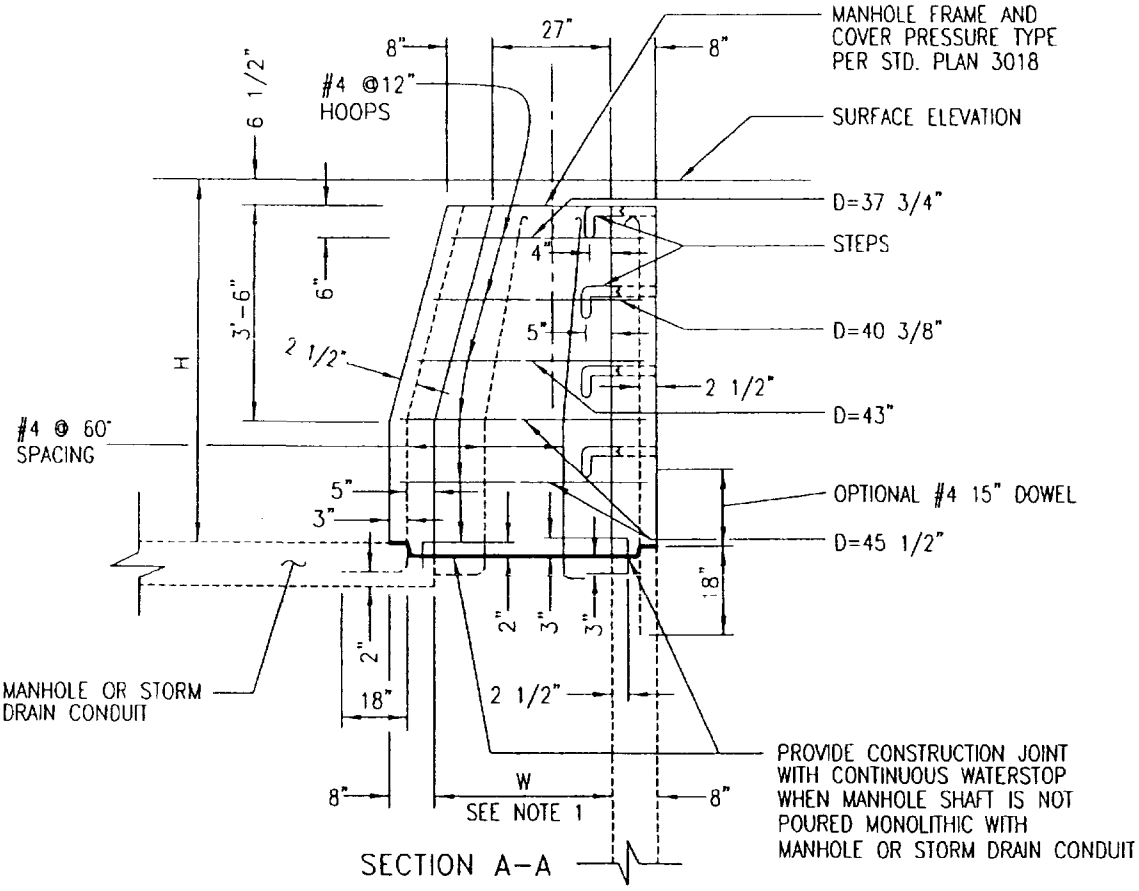
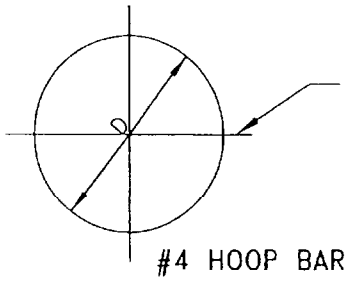


PLAN



SECTION A-A



#4 HOOP BARS

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
RICARDO SANDOVAL
No. 51152
EXP. 9/30/07
CIVIL
STATE OF CALIFORNIA

APPROVED BY: 10-18-06
CITY ENGINEER DATE
RICARDO SANDOVAL
REVIEWED BY: _____
DATE OF LAST REVISION: _____

CITY OF FONTANA

PRESSURE MANHOLE SHAFT WITH ECCENTRIC REDUCER

07/10/06

STD. PLAN NO. 3016 | SHT 1 OF 2

NOTES

1. IF H IS LESS THAN 18", W=27'
   IF H IS BETWEEN 18" AND 2'-6", W=2'-6"
   IF H IS 2'-6" OR MORE, W=3'-0"
   IF H IS MORE THAN 4'-0 1/2", BRING WALL VERTICALLY TO 4'-0 1/2" BELOW SURFACE AND TAPER FROM 3'-0" TO 27" AS SHOWN.

2. THIS STRUCTURE SHALL BE USED WITH MANHOLE FRAME AND COVER PRESSURE TYPE, STANDARD PLAN 3030. IT MAY BE USED FOR HYDROSTATIC HEADS UP TO 25' ABOVE THE STEEL PLATE.

3. THE VERTICAL SIDE OF THE MANHOLE AND THE ECCENTRIC REDUCER SHALL BE LOCATED ABOVE AND IN LINE WITH THE SIDE OF THE STORM DRAIN CONDUIT.

4. REINFORCEMENT SHALL CONFORM TO ASTM A 615, GRADE 40, AND SHALL TERMINATE 1 1/2" CLEAR OF CONCRETE SURFACES UNLESS OTHERWISE SHOWN.

5. STEPS SHALL CONFORM TO STANDARD PLAN 3024. THE TOP STEP SHALL BE PLACED DIRECTLY BENEATH THE MANHOLE FRAME. UNLESS OTHERWISE SHOWN, STEPS SHALL BE UNIFORMLY SPACED 14" TO 15" OC.

6. SEE CONTRACT SPECIFICATIONS FOR PHYSICAL REQUIREMENTS OF WATERSTOP.

7. DIMENSIONS SHOWN ON THIS PLAN ARE NOT EXACT VALUES.

8. THE FOLLOWING STANDARD PLANS ARE INCORPORATED HEREIN:
   3018 MANHOLE FRAME AND COVER PRESSURE TYPE
   3024 STEEP STEP

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PRESSURE MANHOLE SHAFT WITH ECCENTRIC REDUCER

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STD. PLAN NO. 3016 | SHT 2 OF 2