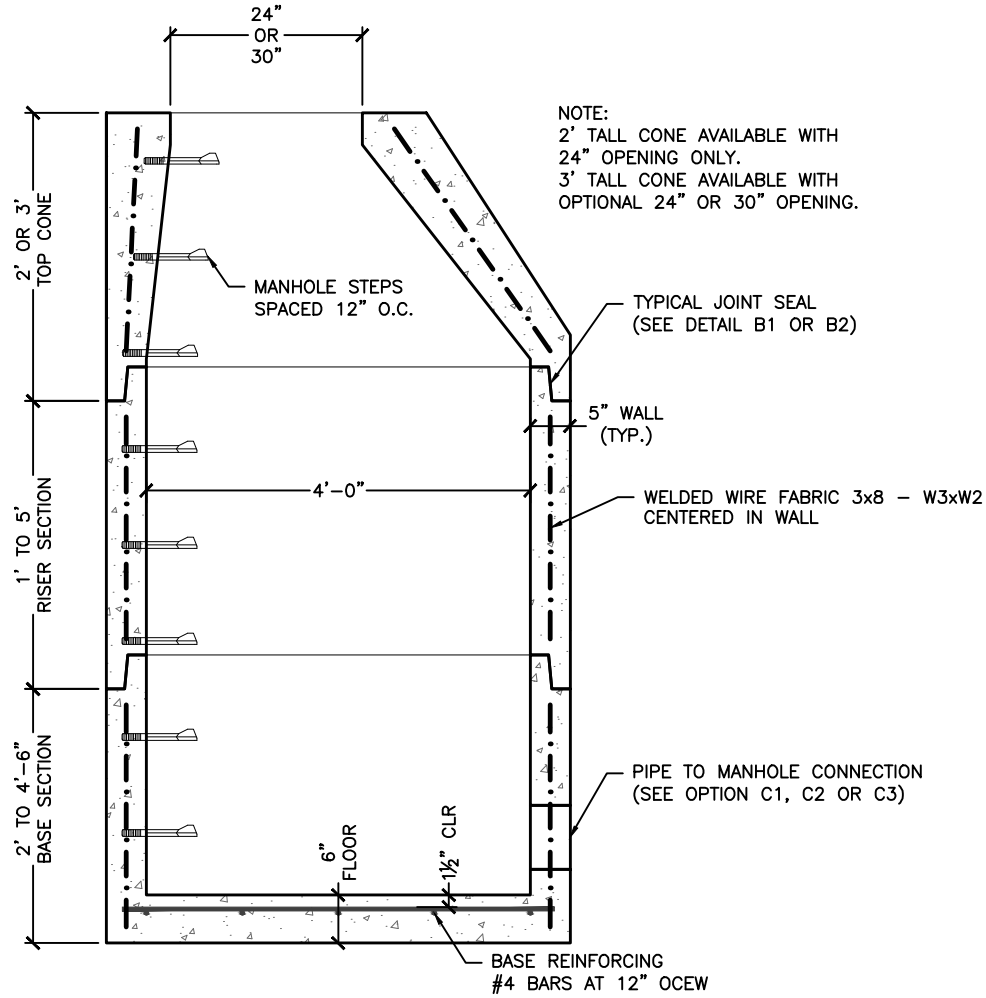


NOTE:
ALTERNATE TOP SLAB REINFORCED TO
MEET OR EXCEED REQUIREMENTS OF
AASHTO HS20-44 LOADING.



POLYPROPYLENE MANHOLE STEP		A
MORTAR BY CONTRACTOR		B1
BUTYL RUBBER JOINT SEALANT		B2
MORTAR PIPE CONNECTION		C1
FLEXIBLE SLEEVE PIPE CONNECTION		C2
COMPRESSION GASKET		C3
ASPHALTIC COATING		D

NOTES:

1. MANUFACTURED TO MEET OR EXCEED REQUIREMENTS OF ASTM C-478 & AASHTO M-199 SPECIFICATIONS.
2. CIRCUMFERENTIAL REINFORCEMENT SHALL CONFORM TO ASTM A-185. TOP/BOTTOM STEEL SHALL CONFORM TO ASTM A-615 GRADE 60 DEFORMED BARS. BOTH PLACED PER ASTM C-478 (8.1, 8.3, 8.4).
3. CONCRETE: 4,000 PSI MINIMUM @ 28 DAYS, PER ASTM C-478 (6.1). CEMENT TO BE PER ASTM C-150.
4. MANHOLE STEPS TO BE POLYPROPYLENE COATED GRADE 60 REINFORCING BAR, PER ASTM C-478 & OSHA 1-1.9
5. BUTYL RUBBER JOINT SEALANT PER ASTM C-990 & AASHTO M-198.
6. BITUMINOUS ASPHALT COATING (IF REQUIRED) TO BE SHOP APPLIED.

Revised: 1/14/13

DWG NO.
S1

Customer:

Project Name:
Project Location:

4' DIAMETER MANHOLE

Project No:

Scale: AS SHOWN

Date:

Designed by:

Drawn by: PDH

Checked by: XXX



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