



**GENERAL NOTES:**

1. APPROVED MANHOLE ADAPTORS REQ'D. FOR PLASTIC PIPE.
2. INSTALL MANHOLE WITH STRAIGHT SIDE DOWNSTREAM.
3. TYPE OF STEP-STEEL REINFORCED CO-POLYMER POLYPROPYLENE MANHOLE STEP TYPE PS2-PFS.
4. GROUT ALL JOINTS AND VOIDS SMOOTH AND WATER TIGHT, INSIDE AND OUT.
5. FORM KEY IN BASE AND SET M.H. IN GROUT AFTER BASE HAS SET (MIN. 24 HOURS).
6. ALL OPENINGS TO BE CONST. INTO EXISTING M.H. SHALL BE BY CORE DRILLING.
7. MANHOLE BASE SHALL BE POURED ON UNDISTURBED SOIL.
8. CONSTRUCTION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS.
9. THE MANHOLE PIPES AND GRADE RING SHALL BE ARRANGED IN ORDER OF LONGER TO SHORTER LENGTHS FROM BOTTOM TO TOP.
10. MANHOLE DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
11. MANHOLE SHALL MEET OR EXCEED THE REQUIREMENTS OF A.S.T.M. C-478 SPECIFICATIONS WHERE APPLICABLE.

APPROVED:

CITY ENGINEER

REVISION DATE: MAY 2008

CITY OF HUNTINGTON BEACH

DEPARTMENT OF PUBLIC WORKS



48" REINFORCED  
CONCRETE MANHOLE

STANDARD PLAN  
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