

TOP OF PAVEMENT
OR EXIST. GRADE

MANHOLE FRAME AND
COVER SEE STD. PLAN 513.

1' MIN.
2' MAX.

12" 2" AC PAVEMENT

9" MIN.

9"x12" 560-C-3250
CONCRETE COLLAR

1ST STEP SHALL BE 12" BELOW
FINISHED GRADE

2' OR 3'

16" O.C. TYP.

5"

VARIES

16" O.C. TYP.

VARIES

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.
12. MANHOLE SIZING SHALL BE PER STD. PLAN 500 PARAGRAPH 1.10.
13. MANHOLE SHALL BE COMPLETELY LINED WITH A POLYURETHANE COATING NO LESS THAN 125 MIL AND CONFORMING TO THE "GREENBOOK" SECTION 500-2.4.

APPROVED:

CITY ENGINEER

CITY OF HUNTINGTON BEACH

DEPARTMENT OF PUBLIC WORKS



PRECAST REINFORCED
CONCRETE MANHOLE

STANDARD PLAN
505
1 of 1

REVISION DATE: MAY 2008