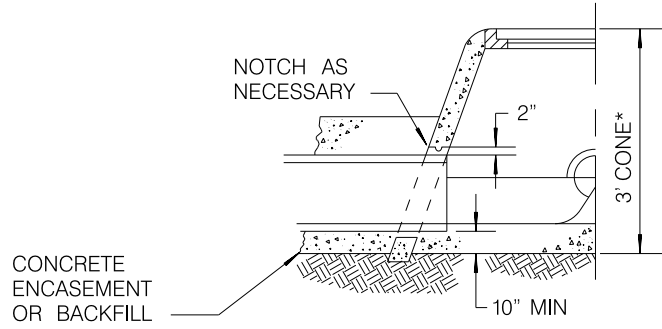
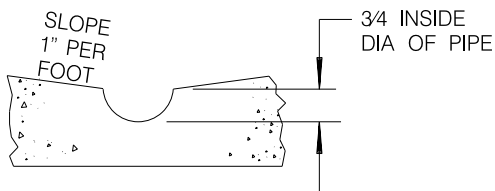


SECTION B-B

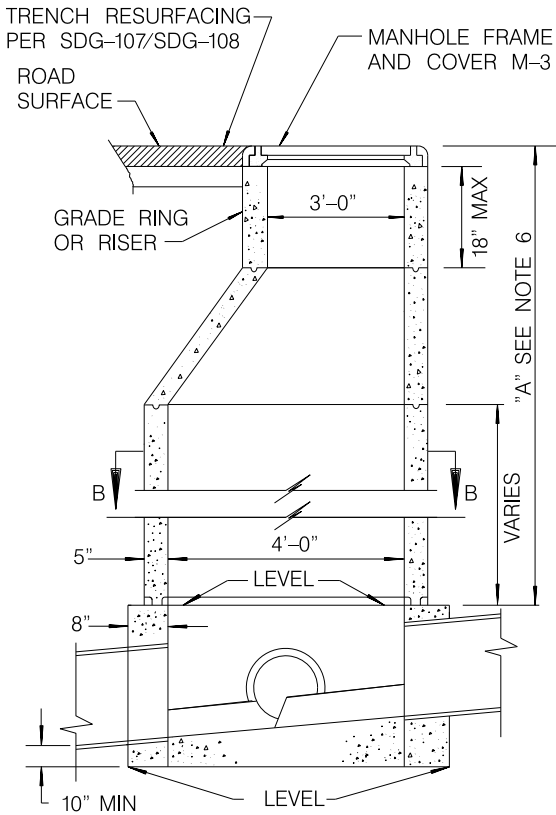


* EITHER CONCENTRIC OR ECCENTRIC CONE MAY BE USED

HALF SECTION SHALLOW MANHOLE



SECTION C-C

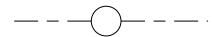


SECTION A-A

NOTES

1. ALL RISER JOINTS SHALL BE EPOXY MORTARED.
2. ALL PRECAST COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C478.
3. VERTICAL WALL OF CONE SHALL BE ON THE UPSTREAM SIDE OF THE MANHOLE.
4. CONCRETE BASE SHALL BE 560-C-3250.
5. APPROVED WATER STOP REQUIRED FOR PLASTIC PIPE CONNECTIONS.
6. PRECAST SECTIONS SHALL BE USED WITHIN DIMENSION "A" AS REQUIRED, IN ORDER OF PREFERENCE LISTED:
 - A) CONE (NOTCHED FOR PIPE IF DIMENSION "A" IS LESS THAN 3').
 - B) 3" TO 18" OF 3' GRADE RINGS AND RISERS.
 - C) 4' DIAMETER SHAFT VARIABLE HEIGHT.
7. FLEXIBLE PIPE JOINTS SHALL BE REQUIRED WITHIN 12" OF INSIDE FACE OF MANHOLE, EXCEPT FOR PLASTIC PIPE.
8. ALL PATCHING WITHIN MANHOLE BASE SHALL BE EPOXY MORTAR.
9. PRIOR APPROVAL OF PRECAST BASE IS REQUIRED BY THE ENGINEER.

LEGEND ON PLANS



REVISION	BY	APPROVED	DATE
DETAIL	JP	A. OSKOU	12/03
UPDATED	KA	J. NAGELVOORT	01/12
UPDATED	GB	J. NAGELVOORT	07/15

CITY OF SAN DIEGO - STANDARD DRAWING

MANHOLE 4' X 3' DIAMETER
(FOR 15" MAXIMUM DIAMETER PIPE)

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE

Chung 7/21/15
COORDINATOR R.C.E. 56523 DATE

DRAWING NUMBER **SDS-107**