



NOTES: SEE SHEET 2



## MANHOLE DETAILS

APPROVED:

CITY ENGINEER

DATE: 10-15-2013

STD. PLAN NUMBER

205-0

SHEET 1 OF 3

NOTES:

1. PLACE TWO HALF MOON SHAPED TEMPORARY PLYWOOD COVERS ( 5/8" THICK MINIMUM ) IN BOTTOM OF MANHOLE AFTER SHAFTS HAVE BEEN SET TO KEEP DEBRIS FROM ENTERING SEWER.
2. FOR DROP MANHOLE SEE BREA STD PLAN 206.
3. FOR MANHOLES LOCATED OUTSIDE PAVED AREAS, THE FRAME AND COVER SHALL BE SET A MINIMUM OF 0.1 FT. ABOVE FINISH GRADE IN SHOULDER AREAS, UNPAVED ROADS OR LANDSCAPING AREAS, AND 18" IN UNFINISHED AREAS.
4. ALL INLETS AND OUTLETS SHALL BE SUPPORTED WITH CONCRETE SUPPORTS PRIOR TO POURING MANHOLE BASE.
5. MANHOLE LOCATIONS SHALL BE MARKED ON CURB FACE.
6. WALL THICKNESS (T) SHALL BE MINIMUM 5" FOR 48" MANHOLES, 6" FOR 60" MANHOLES, 7" FOR 72" MANHOLES.
7. SIDES OF BASE SHALL BE EITHER FORMED OR POURED AGAINST VERTICAL SMOOTH EARTH.
8. WHEN DEPTH OF MANHOLE EXCEEDS 15 FEET FROM TOP OF PIPE TO FINISH GRADE, MANHOLE SHAFT SHALL BE INCREASED TO 60 INCH DIAMETER.
9. A PLASTIC SIGN SHALL BE ATTACHED 12 INCHES BELOW THE TOP OF MANHOLE FRAME WITH INSCRIPTION:

**CAUTION**  
PERMIT REQUIRED CONFINED SPACE  
VENTILATE BEFORE ENTERING

*IN LETTERS NO SMALLER THAN 1/2 INCH IN HEIGHT. ATTACH SIGN TO MANHOLE WALL WITH A MINIMUM OF 4 TYPE 316 STAINLESS STEEL SCREWS AND ANCHORS.*

10. PRESSURE TESTING SHALL BE PER APWA STANDARDS.
11. FOR MANHOLE COVER ADJUSTMENT DETAIL SEE APWA STD PLAN 205 AND 206.
12. FOR SHALLOW MANHOLE SEE APWA STD PLAN 201.
13. FOR MANHOLE ABANDONEMENT SEE SHEET-3.



**CITY OF BREA**

## MANHOLE DETAILS

APPROVED:

*Redo*  
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CITY ENGINEER

DATE: 10-15-2013

STD. PLAN NUMBER

**205-0**

SHEET 2 OF 3

MANHOLE ABANDONMENT ON STREET:

1. BREAK BOTTOM OF MANHOLE.
2. REMOVE MANHOLE 3 FEET BELOW GRADE.
3. FILL MANHOLE WITH 1-1/2 SACK SLURRY.
4. REPLACE ASPHALT SECTION (THICKNESS PLUS ONE (1) INCH), AND AS DIRECTED BY CITY ENGINEER.

MANHOLE ABANDONMENT ON LANDSCAPING/ DIRT AREA:

1. BREAK BOTTOM OF MANHOLE.
2. REMOVE MANHOLE 3 FEET BELOW GRADE.
3. FILL MANHOLE WITH  $\frac{3}{4}$ " GRAVEL, 3 FEET BELOW GRADE.
4. FILL UPPER 3 FEET WITH NATIVE SOIL COMPACTED TO 95% OR BETTER.

ABANDONMENT OF CESSPOOL OR SEPTIC TANK:

1. FILL HOLE WITH 1-1/2 SACK SLURRY 3 FEET BELOW GRADE.
2. FILL UPPER 3 FEET WITH NATIVE SOIL COMPACTED TO 95% OR BETTER.



CITY OF BREA

MANHOLE DETAILS

APPROVED:

*R. Raji*  
CITY ENGINEER

DATE: 10-15-2013

STD. PLAN NUMBER

205-0

SHEET 3 OF 3