



MANHOLE PLAN

NOTES:

MANHOLE DETAILS SHALL REFLECT THE CITY'S MINIMUM SPECIFICATIONS, AS STATED BELOW:

1. ALL MANHOLES SHALL BE 48" I.D., R.C.P., CLASS III, WITH RUBBER O-RING GASKET JOINTS CONFORMING TO ASTM C478, C433 AND C76.
2. ALL MANHOLES SHALL HAVE WATER-TIGHT FRAME AND COVER, WITH A MINIMUM 30" CLEAR OPENING, AS MANUFACTURED BY EAST JORDAN IRON WORKS (AS PER CONCRETE APRON AROUND MANHOLE RING & COVER DETAIL) OR APPROVED EQUAL.
3. ALL MANHOLES SHALL BE CONCRETE WITH CAST IRON FRAME AND BOLTED COVER.
4. ALL MANHOLES SHALL HAVE A CONCENTRIC LID.
5. TWO (2") INCH GRADE RINGS WITH AN I.D. TO MATCH FRAMES CLEAR OPENING, MINIMUM OF TWO (2), MAXIMUM OF FIVE (5) GRADE RINGS REQUIRED.
6. MANHOLES SHALL BE PRECAST ASTM C-478 BELL AND SPIGOT WITH "O" RING JOINTS.
7. SEE SPECIFICATIONS ON MATERIALS AND CONSTRUCTION.
8. ALL MANHOLE COVERS SHALL BE BOLTED. MANHOLES LOCATED IN PAVEMENT TO BE DESIGNED FOR HS-20 TRAFFIC LOADS.
9. MANHOLES LOCATED IN PAVEMENT SHALL HAVE BACKFILL COMPACTED TO 95% OF OPTIMUM AS DETERMINED BY TXDOT TEST METHOD TX114E. DENSITY REPORTS SHALL BE PROVIDED TO CITY FOR CERTIFICATION. AS AN ALTERNATIVE FLOWABLE FILL MATERIAL HAVING A STRENGTH F'_c RANGING FROM 300 TO 500 PSI MAY BE USED FOR BACKFILL.
10. SEE CITY OF MARBLE FALLS STANDARD MANHOLE DETAILS FOR DETAILS NOT SHOWN HERE.

SCALE: NOT TO SCALE



MARBLE FALLS

800 THIRD STREET
MARBLE FALLS, TX 78654

PH: (830) 693-6737

These documents were prepared by,
or under the supervision of:

ERIC BELAJ 107148 May 31, 2017
Engineer's Name PE# Date


Engineer's Signature

SECTION

ELECTRICAL

DETAIL NO.

EL-4

TITLE

ELECTRICAL & COMM.
MANHOLE (1 OF 2)