



NOTES:

1. USE CEMENT MORTAR ON ADJUSTMENT RINGS.
2. MAXIMUM HEIGHT OF GRADE ADJUSTMENT RINGS SHALL BE 12".
3. CONE SECTIONS SHALL BE CONCENTRIC.
4. MANHOLES INSTALLED IN UNIMPROVED AREAS SHALL BE A MINIMUM 12" ABOVE GRADE, AS SHOWN.
5. LATERALS ENTERING MANHOLE SHALL BE MORE THAN 24" ABOVE LOW POINT OF INSIDE SHELVE.
6. BASE SHALL BE POURED FULL THICKNESS TO UNDISTURBED SIDES OF EXCAVATION OR SHALL BE FORMED.
7. STANDARD MANHOLE BARREL SECTION PER ASTM C 478. MINIMUM DIAMETER SHALL BE 48", HOWEVER, A LARGER DIAMETER MAY BE REQUIRED UNDER SPECIAL CIRCUMSTANCES.
8. DISTANCE BETWEEN TOP OF SEWER PIPE AND BOTTOM OF BARREL SECTION SHALL BE NO LESS THAN 2".
9. SET ALL BARREL SECTIONS AND TAPER SECTIONS IN PLASTIC GASKET, RAM-NECK, OR IN BUTYL RUBBER KENT-SEAL OR APPROVED EQUAL MORTAR ALL JOINT Voids, INSIDE AND OUTSIDE OF MANHOLE.
10. SET SEWER MAINS, LATERALS AND STUB OUTS WITH 2 RUBBER "O" RINGS, OR WATERSTOPS (SEE SECTION A-A), PER PIPE.
11. INSIDE WALLS OF MANHOLE SHALL BY XYPEX COATED (OR APPROVED EQUAL) PER MANUFACTURER SPECIFICATIONS.
12. A FLEXIBLE COUPLING SHALL BE INSTALLED IN THE SEWER MAIN WITHIN 12" OF THE BASE OF THE MANHOLE (TYP.) NOT REQUIRED WHEN PRECAST BASES ARE MANUFACTURED WITH FLEX COUPLINGS ALREADY INSTALLED.
13. CONSTRUCT ALL FLOW CHANNELS OF PIPE WHEREVER POSSIBLE. AFTER LOWER RING SECTION IS SET, CUT OUT TOP HALF OF PIPE FLUSH WITH INSIDE FACE OF MH WALL AND CONSTRUCT SHELF AND U-SHAPED CHANNEL. MAKE ELEVATION CHANGES GRADUALLY AND DIRECTIONAL CHANGES WITH SMOOTH CURVES.
14. ALL SECTIONS OF MANHOLE MUST BE OF IDENTICAL MAKE AND MANUFACTURER.
15. WIRE BRUSH AND PRIME ALL BARREL & TAPER SECTION MATINGS SURFACES PER MANUFACTURER'S INSTRUCTIONS.
16. MIN. OF ONE 3" AND ONE 6" GRADE ADJUSTMENT RINGS. SEAL GRADE ADJUSTMENT RINGS WITH INFI-SHIELD UNI-BAND, OR APPROVED EQUAL.
17. SEAL ALL JOINTS OUTSIDE OF MANHOLE WITH INFI-SHIELD EXTERNAL GATOR WRAP OR APPROVED EQUAL.



DESIGN AND CONSTRUCTION STANDARDS

STANDARD SEWER MANHOLE

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DRAWING NO.

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DRAWN BY: A.S.

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