

USE CLOSED O-RING LIDS WITH "CITY OF CRYSTAL LAKE" CAST INTO LID (IN PUBLIC RIGHT-OF-WAY OR MUNICIPAL UTILITY EASEMENT ONLY). USE EAST JORDAN IRON WORKS #1020AGS FRAME OR APPROVED EQUAL.

MAXIMUM THREE (3) ADJUSTING RINGS ALLOWABLE.
 MAXIMUM HEIGHT ON ADJUSTMENT = 8".
 FRAME AND RING(S) TO BE SET IN A BED OF MORTAR OR SEALED WITH PREFORMED BITUMEN SEAL (E-Z STICK) OR APPROVED EQUAL.

PRECAST CONCRETE MANHOLE SECTIONS-SLAB TOPS ARE PERMITTED FOR SHALLOW MANHOLES ONLY AND HOLE MUST BE OVER UPSTREAM PIPE; CONCENTRIC CONES FOR ALL OTHERS.

RELINER INSIDE DROP BOWL OR APPROVED EQUAL SECURE PVC SDR 35 TO WALL WITH STAINLESS STEEL FASTENERS (MAX. 18" SEPARATION)

CORE MANHOLE WITH CIRCULAR CUTTING TOOL AND INSTALL BOOT

CA-7 OR CA-11 BEDDING AS REQUIRED

WATER-TIGHT JOINTS WITH PREFORMED BITUMEN SEAL

PLASTIC STEPS TO BE NEENAH R-1980-1 OR APPROVED EQUAL

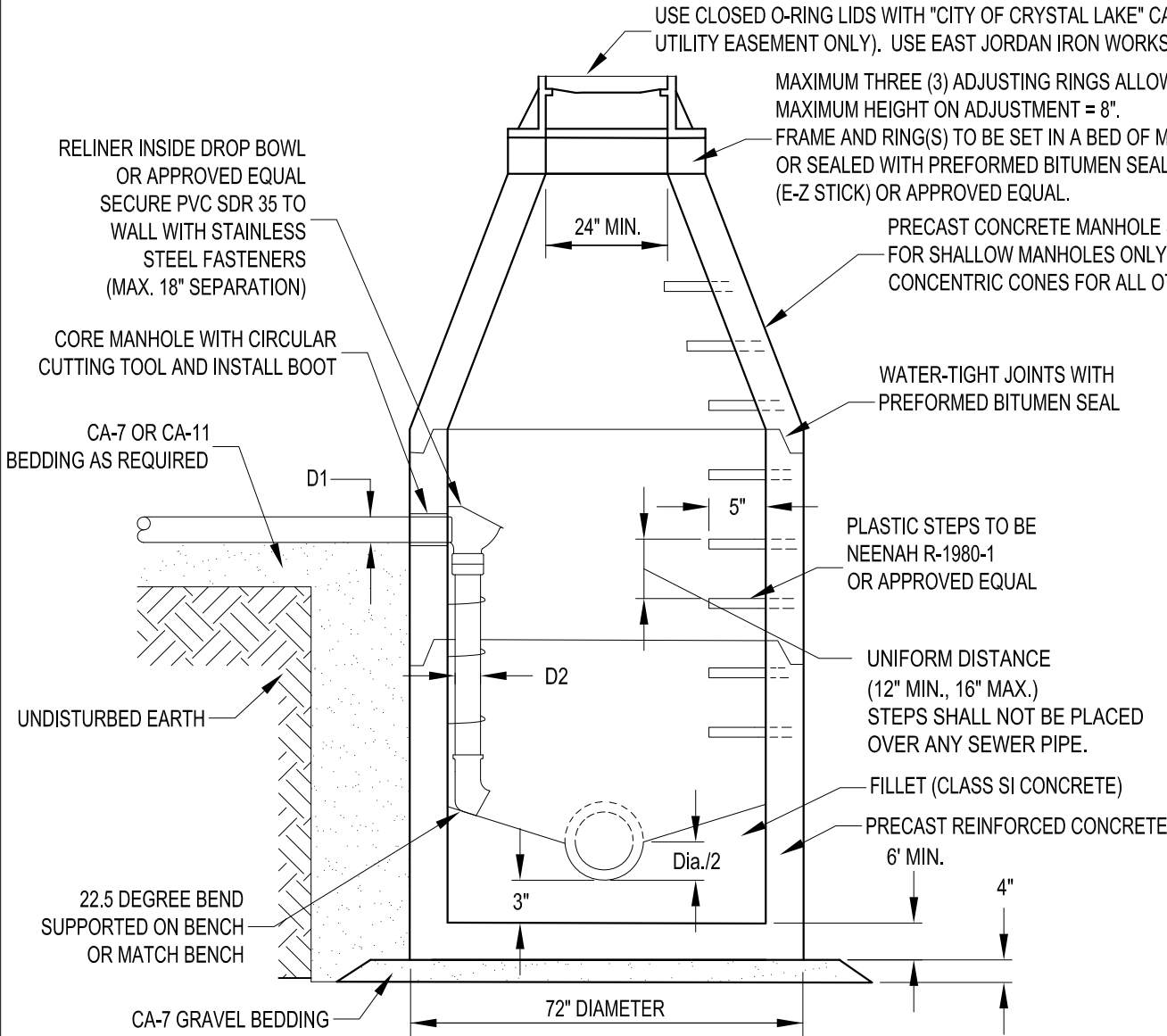
UNIFORM DISTANCE (12" MIN., 16" MAX.) STEPS SHALL NOT BE PLACED OVER ANY SEWER PIPE.

FILLET (CLASS SI CONCRETE)
 PRECAST REINFORCED CONCRETE 6' MIN.

UNDISTURBED EARTH

22.5 DEGREE BEND SUPPORTED ON BENCH OR MATCH BENCH

CA-7 GRAVEL BEDDING



NOTES:

1. STAINLESS STEEL BANDS WILL BE SECURED TO THE MANHOLE WITH NON-CORROSIVE FASTENERS AND STAINLESS STEEL BOLTS.
2. ONE STAINLESS STEEL BAND WILL BE REQUIRED ON EACH FITTING AND 18" INTERVALS.
3. THE DROP PIPE WILL BE PLACED IN THE MANHOLE SO AS NOT TO INTERFERE WITH THE STEPS.
4. D2 = D1
5. ALL MANHOLES MUST BE DAMP PROOF PER IDOT SPECIFICATIONS 1060 "WATER PROOFING MATERIALS" ALL INSIDE DROP MANHOLE MUST BE 5' I.D. STRUCTURES.
6. SERVICE LINE INVERT ELEVATION SHALL BE AT SPRING LINE OR CROWN OF MAIN LINE SEWER.
7. IF STRUCTURE IS TO BE MAINTAINED BY THE CITY, ALL STEPS SHALL BE REMOVED PRIOR TO FINAL ACCEPTANCE.

Revised:
1. 06/12/2015
2. 08/18/2023 JRG NOTE 7
3.
4.

Drawing Name
STANDARD INSIDE DROP SANITARY MANHOLE

Drawing Number
US-05
Date: 04/15/2007
Drawn Checked
EM VR

