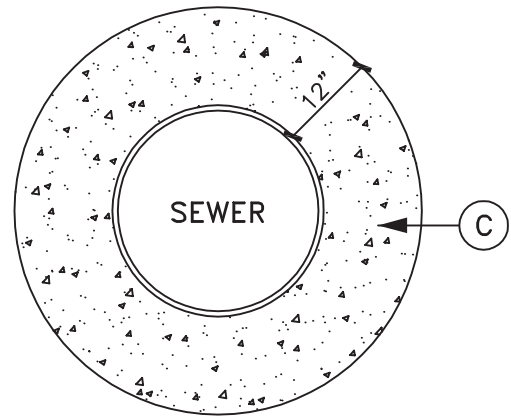
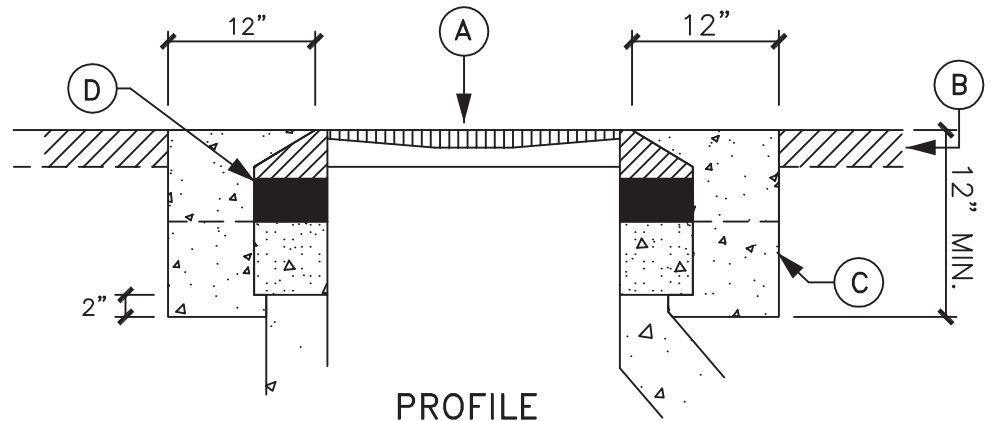


PAVED AREAS



OUTSIDE PAVED AREAS



PROFILE

LEGEND:

- A. MANHOLE RING AND COVER
- B. EXISTING SURFACE
- C. 3000 P.S.I. CEMENT CONCRETE PERIMETER SEAL
- D. INSTALL PRECAST ADJUSTMENT RINGS OR CONCRETE BLOCKS AS NECESSARY TO MATCH FINAL GRADE.

NOTES:

1. THE CONCRETE SHALL CONFORMING TO THE CURRENT WSDOT 9-03.1(4) AND BE 5.5 SACK MIX. (MINIMUM 3000-PSI 28-DAY STRENGTH.
2. WHERE DEPTH OF NECK EXCEEDS 24 INCHES, ADJUST MANHOLE TO GRADE BY INSERTING A NEW MANHOLE BARREL SECTION BETWEEN THE CONE AND EXISTING BARREL.
3. ADJUSTMENT RINGS/BLOCK SHALL BE SET IN 3/4" NON-SHRINK GROUT, PLASTER SMOOTH INSIDE AND OUT.
4. STEPS OR RUNGS SHALL BE ADDED AS NEEDED.
5. PRECAST ADJUSTMENT RINGS SHALL BE CAST WITH GROOVE TO ALLOW FIELD INSTALLATION OF SAFETY STEP.
6. MORTAR SHALL BE PLACED BETWEEN EACH LEVEL OF ADJUSTMENT CONCRETE BLOCKS, ADJUSTMENT RINGS, TOP OF CONE SECTION AND BOTTOM OF IRON RING.
7. THE CONCRETE PERIMETER SEAL SHALL EXTEND TO 12 INCH MINIMUM OR 2 INCHES BELOW THE BOTTOM OF THE ADJUSTMENT RINGS OR BLOCKS.
8. **THE UTILITY SHOWN IS A SANITARY SEWER MANHOLE. UTILITY CASINGS LIKE WATER VALVES, MONUMENTS, GAS VALVES, ETC. WILL FOLLOW THE SAME PROCEDURE AND GUIDELINES.**

SCALE: NOT TO SCALE
DRAWN BY: S.L.

FILE: ST-02 STRUCTURE ADJUST.DWG

EFFECTIVE DATE:	REVIEW BY DATE:	REVIEWER:
01-20-2005	05-31-2013	BUCKENMEYER



DETAIL: ST-02

**STRUCTURE ADJUSTMENT
AND PERIMETER SEAL**

APPENDIX A - STANDARD DRAWING 2011