NOTES:
1. A MAX. OF 4 AND A MIN. OF 2 THROAT RINGS SHALL BE USED AT EACH MANHOLE IN NEW OR EXISTING RIGHT-OF-WAY.
2. USE ADEKA SEALANT OR APPROVED EQUAL BETWEEN RING/COVER, ADJUSTMENT RINGS AND CHIMNEY OR CORBEL/CONE SECTION.
3. MANHOLE BASE THICKNESS AND FOUNDATION AS FOLLOWS:
   MANHOLE DEPTH (FT.)       BASE THICKNESS
   0 - 12                     8"
   12 AND OVER               12"

MANHOLE DIA.   MAIN SIZE
4 FT           <18in.
5 FT           ≥18in. <30in.
6 FT           ≥36in.

4. MANHOLE LOCATION AND COMPACTION AS FOLLOWS:
   LOCATION            COMPACTION REQUIREMENT
   PAVEMENT            98 % STANDARD PROCTOR (ASTM D 698)
   LANDSCAPE AREA      90 % STANDARD PROCTOR (ASTM D 698)

5. NO RINGS ARE REQUIRED OUTSIDE OF STREET RIGHT-OF-WAY

6. IN FLOODPLAINS OR AREAS OF CONCENTRATED FLOW, THE CONE SHALL EXTEND 1 FOOT ABOVE THE BASE FLOOD ELEVATION OR A BOLT DOWN WATER-TIGHT RING AND COVER SHALL BE USED, VENTED WHERE REQUIRED.

7. WARNING SIGN ONLY TO BE PLACED WHERE SEWER CROSSES OPENFIELDS.

NOTE: DEPTHS GREATER THAN 12' WILL REQUIRE 2 MATS OF REINFORCING STEEL IN THE BASE.

STD. DUCTILE IRON MANHOLE COVER AND FRAME (30" DIA. OPENING) OR EQUAL

CLASS "A" CONCRETE 3000 PSI IN 28 DAYS

VARIES (SEE TABLE)

9" MAX

12" MAX.

2'-6"

2'-0"

8' GREEN, HEAVY DUTY, WING CHANNEL POST

SEWER SIGN

MANHOLE SIGN
(SEE DETAIL S5-02)

NOTE 1

SEE NOTE 1

BACK FILL AROUND MH SHALL BE AS PER NOTE 4

#4 BARS, 8" O.C.E.W.

WATERSTOP-PIPECONX MANHOLE ADAPTER SEAL, OR APPROVED EQUAL. (2 REQ'D)

VARIES

9" MIN

1'-0"

2'-0"

6" MIN.

3' MIN.

SEE NOTE 7

WARNING

INVERT = 3/4 DIAMETER OF PIPE UP TO 24". 24" AND LARGER SHALL BE FULL DEPTH INVERTS.

STANDARD CAST IN PLACE MANHOLE

DATE AUG. 2012  B/CS UNIFIED STANDARD DETAIL  DETAIL NO. S1-00B