



MANHOLE TO PIPE CONNECTION BOOTS, INCLUDING LATERALS, SHALL BE PRESS-SEAL, KOR-N-SEAL WITH STAINLESS STEEL WEDGE, A-LOK CAST IN PLACE OR APPROVED EQUAL.

12" OF #8 CRUSHED STONE

SANITARY SEWER

NATIVE UNDISTURBED SOIL

FILL EXCAVATED SPACE OUTSIDE OF MANHOLE AND UNDER PIPE WITH #8 CRUSHED STONE TO A MIN. OF 6" ON EACH SIDE OF PIPE

ROYAL INTRAFLOW INTERNAL DROP OR RELINER-DURAN INSIDE DROP OR APPROVED EQUAL SECURED WITH STAINLESS STEEL EXPANSION ANCHORS

1" STAINLESS STEEL STRAP WITH (2) 3/4" X 3" LONG STAINLESS STEEL EXPANSION ANCHORS AT 2'-0" MAX. SPACING (MIN. OF TWO STRAPS)

SDR 35 PVC PIPE WITH 90° BEND SHALL MATCH INCOMING PIPE

GROUT MANHOLE BOTTOM TO PROVIDE SMOOTH FLOW CHANNEL TRANSITION

VARIES (2'-0" MIN.)

**NOTES:**

- 1. DROP PIPES SHALL BE OPPOSITE FROM STEPS WHEN POSSIBLE.

City of Carmel Utilities  
Standard Details

Title:  
INTERIOR DROP FOR  
EXISTING MANHOLES

Date: January 2016

Scale: Not To Scale

Drawing: CS 13

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