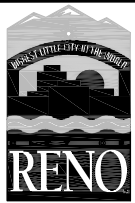


1. DETAIL FOR OUTSIDE DROP ASSEMBLY ONLY. FOR DIMENSIONS, NOTES AND DETAILS NOT SHOWN, REFER TO THE APPLICABLE STANDARD DETAIL DRAWING.
  2. CONSTRUCTION OF AN OUTSIDE DROP MANHOLE MUST BE APPROVED IN WRITING BY THE CITY ENGINEER IN ADVANCE OF ANY CONSTRUCTION.
  3. OUTSIDE DROP MANHOLES ARE TO BE USED ON SANITARY SEWERS WITH MORE THAN 2 FEET VERTICAL DROP AT THE MANHOLE, NOT TO EXCEED 8 FEET, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
  4. SANITARY SEWER PIPE COMPONENTS OF THE OUTSIDE DROP CONFIGURATION SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINT FITTINGS PER AWWA A21.51-02.
5. INSTALL ONE FULL LENGTH OF DUCTILE IRON PIPE (MIN. LENGTH 20') BEYOND THE UPSTREAM END OF THE STANDARD 45° WYE.
6. DUCTILE IRON MATERIAL TO BE LINED AND COATED PER AWWA A21.51-02.



STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION

DRAWING No.

**MANHOLE-OUTSIDE DROP**

**R-209**

APPROVED BY: JF

DATE: 1/2013