## NOTES: 1 ALL WALL PIPES SHALL BE CAST UNLESS OTHERWISE NOTED. 2 PROVIDE PIPE JOINT WITHIN TWO (2) FEET OF EXTERIOR FACE OF WALL AT CONNECTION TO ALL NEW AND EXISTING STRUCTURES OR MANHOLES. INSIDE (DRY) UNLESS OTHERWISE INDICATED 3 COMBINATION WATERSTOP SHALL BE REQUIRED AT ALL NEW PIPE PENETRATIONS THROUGH EXISTING CONCRETE WALLS UNLESS OTHERWISE INDICATED ON THE CONTRACT DRAWINGS. SEE COMBINATION WATERSTOP DETAIL 1509222. -WALL SLEEVE WITH INTEGRAL WATERSTOP (MJ x PE). DRILL AND TAP FOR STUD BOLTS. NEW CONCRETE WALL NEW CONCRETE WALL WALL PIPE WITH INTEGRAL WATERSTOP (FLG x PE) PROVIDE STEEL NEW CONCRETE WALL 4 ALL NEW OPENINGS IN EXISTING CONCRETE WALLS SHALL BE ACCOMPLISHED WITH A CLEAN SAW-CUT. SURFACES SHALL BE ROUGHENED BY APPROVED METHODS. -Steel floor sleeve -RJ x FLG OR MJ x FLG, SEE PIPE SCHEDULE IN SPECIFICATIONS FOR CONNECTING PIPE, TYP NONSHRINK GROUT EXISTING CONCRETE WALL EXISTING CONCRETE WALL FLOOR SLEEVE SHALL BE SIZED TO ALLOW PASSAGE OF PIPE FLANGE CONCRETE EXISTING CONCRETE WALL FLOOR PENETRATION 1509203 1509206 1509209 1509200 WALL PIPE WITH INTEGRAL WATERSTOP. DRILL AND TAP FOR STUD BOLTS. NEW CONCRETE WALL RJ x PE OR MJ x PE, SEE PIPE SCHEDULE IN SPECIFICATIONS FOR CONNECTING PIPE - Wall Pipe with integral Waterstop (FLG × FLG). Drill And tap for Stud Bolts. - WALL PIPE WITH INTEGRAL WATERSTOP. DRILL AND TAP FOR STUD BOLTS. WALL PIPE WITH INTEGRAL WATERSTOP (FLG x PE) NEW CONCRETE WALL GASKET FLG x RJ OR FLG x MJ, SEE PIPE SCHEDULE IN SPECIFICATIONS FOR CONNECTING PIPE, TYP EXISTING CONCRETE WALL EXISTING CONCRETE WALL EXISTING CONCRETE WALL 1509204 1509201 1509207 1509210 NEW CONCRETE WALL 1509212 NEW CONCRETE WALL WALL PIPE WITH INTEGRAL WATERSTOP (PE x PE) NEW CONCRETE WALL NEW CONCRETE WALL NEW CONCRETE WALL 6" FOR PIPES 30" DIA AND SMALLER 9" FOR PIPES 36" DIA AND LARGER RJ x RJ OR MJ x MJ, SEE PIPE SCHEDULE IN SPECIFICATIONS FOR CONNECTING PIPE, TYP -WALL PIPE WITH INTEGRAL WATERSTOP. DRILL AND TAP FOR STUD BOLTS. - WALL PIPE WITH INTEGRAL WATERSTOP (FLG x PE). DRILL AND TAP FOR STUD BOLTS. STAINLESS STEEL BOLTS COMPRESSIBLE LINK TYPE SEAL PIPE. 6" DIA MAX FOR PIPE DIA 4" AND LESS, THE WALL PENETRATION FOR EXISTING WALLS MAY BE CORE DRILLED AND SEALED WITH EXISTING CONCRETE WALL EXISTING CONCRETE WALL EXISTING CONCRETE WALL 1509202 1509205 1509208 1509211 DATE JANUARY 2004 THE SCALE BAR CITY OF ROANOKE DESIGNED\_ THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION AND SEALED BY ROBERT S. DIFIORE, SEAL NO. 22769 RECORD DRAWING SHOWN BELOW H & S JOB 30788C HAZEN AND SAWYER MEASURES ONE VIRGINIA THIS DRAWING HAS BEEN MODIFIED TO REFLECT FIELD CHANGES REPORTED BY THE CONTRACTOR OR ANOTHER PARTY, BUT NOT VERIFIED BY THE CERTIFYING ENGINEER. THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY DAVID A. NAILOR, 025465. THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT. INCH LONG ON CHECKED\_ MISCELLANEOUS STANDARD DETAILS CONTRACT NUMBER DRAWING NUMBER THE ORIGINAL Environmental Engineers & Scientists

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REGIONAL WATER POLLUTION CONTROL PLANT

PROCESS TRAIN IMPROVEMENTS

DRAWING.

D10

PROJ. ENGR. H&S

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