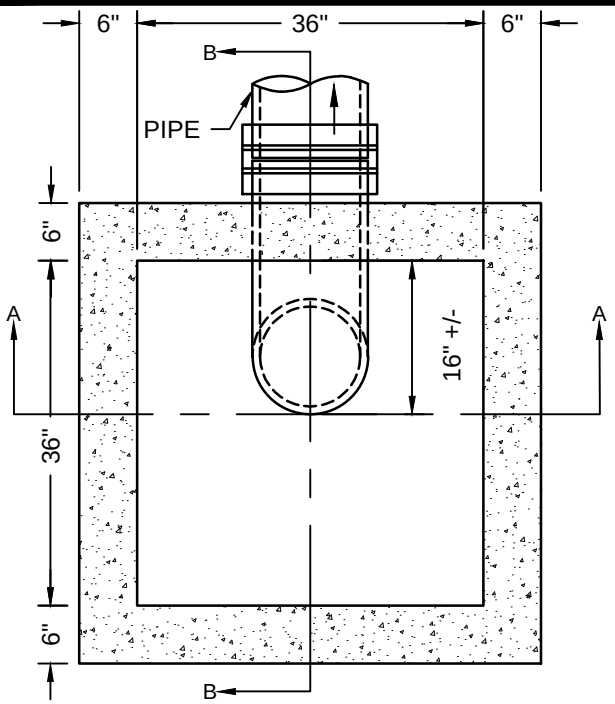
City Utilities
Design Standards
Manual

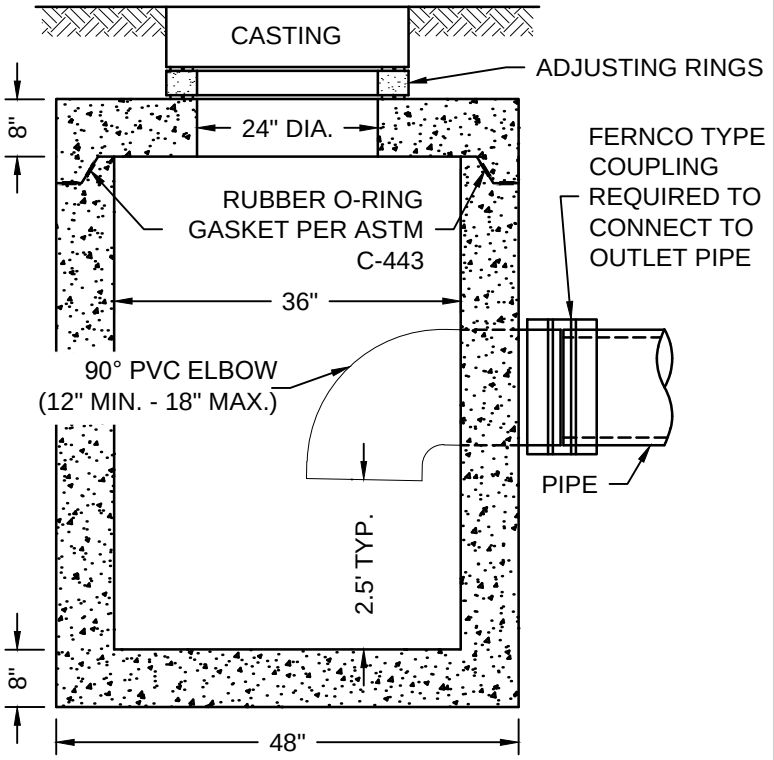
3' X 3' CATCH BASIN

Created: September 24, 2014 Revised: November 4, 2015

Scale: N.T.S.



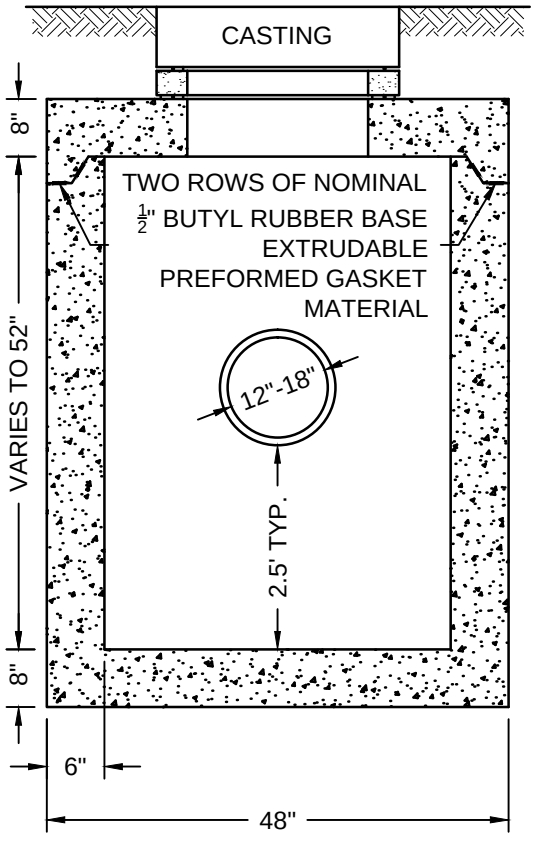
PLAN VIEW



SECTION B-B

NOTES:

1. REINFORCING STEEL PER ASTM C-890
2. INLET AND OUTLET PIPES SHALL EXTEND THROUGH THE STRUCTURE WALLS A SUFFICIENT DISTANCE TO ALLOW FOR PLACEMENT OF GROUTING MATERIAL AROUND THE PIPE DIAMETER BOTH INSIDE AND OUTSIDE OF THE STRUCTURE WALL, PREVENTING LEAKAGE AROUND THE PIPE'S OUTER SURFACE. INLET AND OUTLET PIPES SHALL NOT EXTEND THROUGH THE STRUCTURE WALL TO SUCH A DEGREE THAT FLOW IS OBSTRUCTED.
3. HOLES FOR CONNECTIONS OF STORM SEWER PIPES SHALL BE PREFORMED BY THE MANUFACTURER, OR FIELD CUT OR DRILLED. AT NO TIME SHALL THE PIPE HOLE EXCEED THE OUTER PIPE DIAMETER PLUS FOUR-INCHES (O.D. + 4"), TO ENSURE A PROPER CONNECTION IS ACHIEVED. SHOULD THE CONTRACTOR ELECT TO USE STRUCTURES WITH PREFORMED THIN WALL "KNOCK-OUTS", THE BALANCE OF THE "KNOCK-OUT" AREA NOT OCCUPIED BY THE PIPE CONNECTION AND ALL REMAINING UNUSED "KNOCK-OUTS" SHALL BE FILLED WITH 4000 PSI CLASS A CONCRETE TO A FINISHED WALL THICKNESS NOT LESS THAN REQUIRED BY THESE STANDARDS.
4. THE ANNULAR SPACE BETWEEN THE PIPE AND THE STRUCTURE WALL SHALL BE FILLED INSIDE AND OUTSIDE WITH A GROUT MIXTURE COMPOSED OF 2 PARTS OF NO. 23 FINE AGGREGATE AND ONE PART PORTLAND CEMENT. AS AN ALTERNATIVE, PIPE CONNECTIONS UTILIZING AN APPROVED RUBBER GASKET MANUFACTURED AND INSTALLED IN ACCORDANCE WITH ASTM C 923 WILL BE ACCEPTED.



SECTION A-A