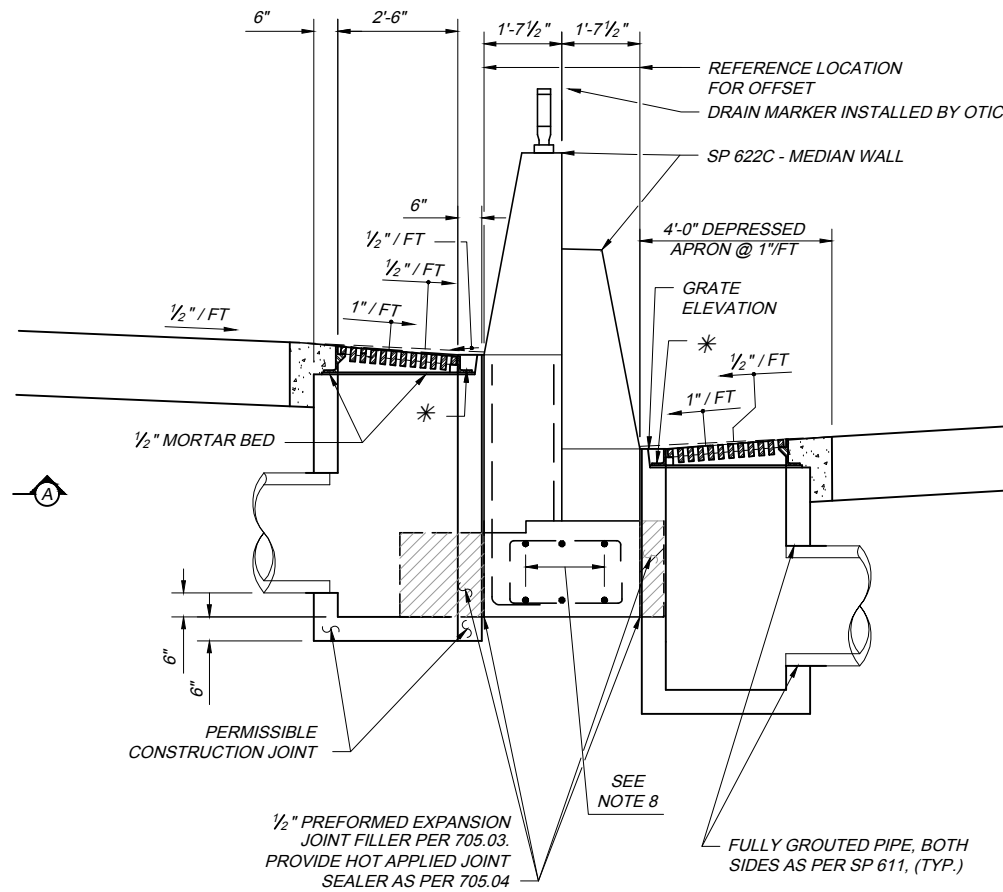
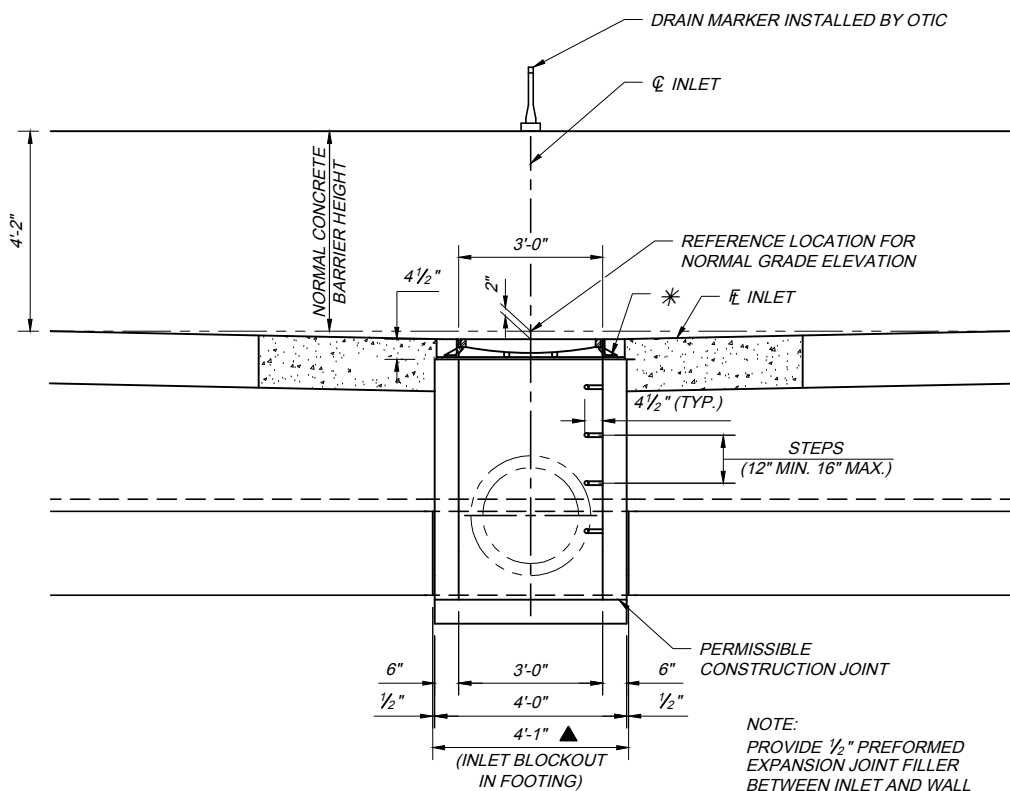


PLAN VIEW

\* DENOTES 4 1/2" X 4" X 44" NOTCH. AFTER CASTING IS IN PLACE, FILL NOTCH WITH CLASS QC-MS CONCRETE INTEGRAL WITH THE CONCRETE APRON.



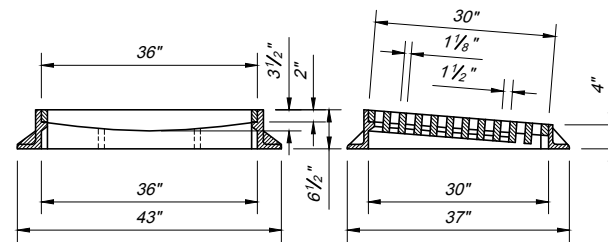
SECTION VIEW B-B



ELEVATION VIEW A-A

NOTE:  
PROVIDE 1/2" PREFORMED EXPANSION JOINT FILLER BETWEEN INLET AND WALL FOOTING PER 705.03. PROVIDE HOT APPLIED JOINT SEALER PER 705.04. (TYP.)

▲ - 4'-5" FOR CAST IN PLACE.



CASTING DETAILS

NOTES:

1. WALLS: THE WALLS BETWEEN THE BOTTOM SLAB AND THE UPPER PERMISSIBLE CONSTRUCTION JOINT MAY BE BUILT OF CAST-IN-PLACE CONCRETE OR PRECAST. CAST-IN-PLACE CONCRETE SHALL HAVE A WALL THICKNESS OF 8" NOMINAL FOR DEPTHS OF 12' OR LESS. PRECAST WALLS SHALL HAVE A MINIMUM THICKNESS OF 6" AND BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE. THE UNIT ABOVE THE UPPER PERMISSIBLE CONSTRUCTION JOINT MAY BE PRECAST OR CAST-IN-PLACE.
2. CONCRETE: CAST-IN-PLACE, TO BE CLASS QC1 CONCRETE. ALL PRECAST CONCRETE SHALL MEET THE REQUIREMENTS OF CMS 706.13 WITH 6 ±2% AIR VOID CONTENT IN THE HARDENED CONCRETE. REQUIRED MARKINGS SHALL INCLUDE THE INLET NUMBER. PRECAST UNITS SHALL BE BACKFILLED WITH LOW STRENGTH MORTAR, TYPE 2 AS PER SP 611 AND ITEM 613.
3. STEPS AND CASTING: STEPS SHALL BE IN ACCORDANCE WITH ODOT STANDARD DRAWING MH-1.1. CASTING: MINIMUM WEIGHT OF FRAME AND COVER SHALL BE 540 POUNDS.
4. OPENINGS: PIPE OPENINGS SHALL BE O.D. PLUS 2" WHEN PREFABRICATED OR CORED. FILL ANY VOIDS PER SP 611.
5. INLETS OVER 12 FEET IN DEPTH: SUCH INLETS SHALL BE PRECAST OF CAST-IN-PLACE CONCRETE; REINFORCED WITH EPOXY COATED #5 BARS ON 12" CENTERS BOTH VERTICALLY AND HORIZONTALLY WITH 2" CLEARANCE FROM THE INSIDE WALL FACE.
6. IF A SKEWED PIPE PROTRUDES MORE THAN 2" INSIDE A WALL, THE PIPE SHALL BE TRIMMED FLUSH AND FINISHED TO PROVIDE A NEAT APPEARANCE.
7. FOR MEDIAN WALL DETAILS, SEE OTIC STANDARD DRAWINGS CBM-2.
8. FOUR ADDITIONAL EPOXY COATED #5 BARS, 10'-0" LONG, CENTERED ABOUT THE THE CENTERLINE OF THE CATCH BASIN, SHALL BE PLACED, 2 TOP AND 2 BOTTOM, IN THE FOOTING. THE COST SHALL BE INCLUDED WITH THE COST OF SP 611 - CATCH BASIN, MEDIAN WALL.
9. PAYMENT: PAYMENT WILL BE MADE AT THE UNIT PRICE BID PER EACH FOR SP 611 - CATCH BASIN, MEDIAN WALL AND SHALL INCLUDE ALL MATERIALS, REINFORCING STEEL AND CASTINGS AND LABOR REQUIRED TO CONSTRUCT THE CATCH BASIN AS SHOWN, COMPLETE AND ACCEPTED.
10. THE FOLLOWING TEXT SHALL BE CAST INTO THE TOP OF THE GRATE: "DUMP NO WASTE" AND "DRAIN TO WATERWAY" TEXT SHALL BE PRINTED IN BOLD, CAPITAL LETTERS WITH A MINIMUM HEIGHT OF 1/2". "WATERWAY" MAY BE SUBSTITUTED WITH "STREAM", "RIVER", "LAKE", ETC. ACTUAL PLACEMENT AND LOGO MAY VARY PER MANUFACTURER.
11. THE USE OF BRICK OR MASONRY BLOCK TO BUILD THE CATCH BASIN SHALL BE PROHIBITED. IF THE FRAME DOES NOT SIT ON THE CATCH BASIN WALLS, THE CONTRACTOR SHALL FORM AND POUR, USING CLASS "QC MS" CONCRETE, TO BUILD THE CATCH BASIN TO SECURE CONCRETE TO THE EXISTING PRECAST STRUCTURE. THE CONTRACTOR SHALL INSTALL #4 DOWEL BARS, SPACED 12" O/C (3 PER SIDE UNLESS DIRECTED OTHERWISE BY THE CHIEF ENGINEER) IN ACCORDANCE WITH ITEMS 509 AND 510. THE DOWEL BARS SHALL BE IMBEDDED AT LEAST 6" INTO THE EXISTING PRECAST STRUCTURE AND SECURED WITH NON-SHRINK NON-METALLIC GROUT THAT CONFORMS TO CMS 705.20. THE CONTRACTOR SHALL USE FORMS SIZED TO CONFORM TO THE INTERIOR OF THE CATCH BASIN, AND THAT WILL INSURE A SMOOTH INTERIOR FINISH. ALL OTHER CONCRETE SURFACES SHALL HAVE A BROOMED FINISH. AFTER THE CASTING IS SET TO THE FINAL GRADE, THE AREA AROUND THE ADJUSTED CATCH BASIN CASTING SHALL BE BACK FILLED WITH CLASS "QC MS" CONCRETE TO THE EXISTING SURFACE.

■ DENOTES 1/2" PREFORMED EXPANSION JOINT FILLER BETWEEN SIDES OF CATCH BASIN AND FOOTING NOTCH.