



CATCH BASIN NOTES

- SPECIFICATIONS ATTACHED HEREON REFLECT THOSE AS OUTLINE IN NCDOT STANDARD 840.01, BRICK CATCH BASIN. AN ALTERNATE PRECAST CATCH BASIN MAY BE UTILIZED BASED UPON PRIOR APPROVAL BY THE ENGINEER.
- CATCH BASIN SPECIFICATIONS SHALL CONFORM TO LATEST ASTM C913 SPECIFICATIONS FOR "PRECAST CONCRETE WATER & WASTEWATER STRUCTURES.
- CONCRETE COMPRESSIVE STRENGTH SHALL BE A MINIMUM OF 4,000PSI.
- STEEL REINFORCING DESIGN TO CONFORM TO THE REQUIREMENTS OF ASTM C890 SPECIFICATIONS FOR "STRUCTURAL DESIGN LOADING FOR WATER & WASTEWATER STRUCTURES" AND SHALL UTILIZE GRADE 60 RE-BARS CONFORMING TO THE REQUIREMENTS OF ASTM A615 OR WWF CONFORMING TO THE REQUIREMENTS OF ASTM A185 OR BOTH.
- PROVIDE ADDITIONAL REINFORCING AT OPENINGS AS REQUIRED PER NCDOT REQUIREMENTS.
- MINIMUM DESIGN SHALL BE H-20-44 LOADING.
- STEPS SHALL BE REQUIRED ON DROP INLETS OVER 3'-6" IN DEPTH. STEPS SHALL BE STEEL REINFORCED COPOLYMER POLYPROPYLENE PLASTIC AND MEET THE REQUIREMENTS OF ASTM C478. (OR APPROVED EQUAL).
- TOTAL HEIGHT OF STRUCTURE AS SPECIFIED HEREIN.
- PIPE PENETRATION TO BE AS SPECIFIED. PIPE TO BE INSTALLED AS PER NCDOT STANDARDS FOR MORTAR JOINT CONNECTIONS.
- JOINTS TO BE SEALED WITH BUTYL RUBBER JOINT SEALANT CONFORMING TO THE REQUIREMENTS OF ASTM C990, OR MORTAR AS PER NCDOT REQUIREMENTS OR BOTH.
- IF REINFORCED CONCRETE PIPE IS SET IN BASE SLAB OF BOX, ADD BASE THICKNESS AS PRESCRIBED IN NCDOT STANDARD 840.00
- ANY DEVIATIONS FROM THE APPROVED PLAN & SPECIFICATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.



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**STANDARD CATCH BASIN
 STRUCTURE DETAIL**

SCALE: NONE
 ISSUE DATE: 1-29-2019
 REVISION DATE: 1-29-2019
 SHEET NO: 1 OF 1
 DRAWN BY: DMR

DETAIL NO.:

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