



DROP INLET NOTES

1. SPECIFICATIONS ATTACHED HEREON REFLECT THOSE AS OUTLINE IN NCDOT STANDARD 840.15, BRICK DROP INLET. AN ALTERNATE PRECAST DROP INLET MAY BE UTILIZED BASED UPON PRIOR APPROVAL BY THE ENGINEER.
2. DROP INLET DESIGN SPECIFICATIONS SHALL CONFORM TO LATEST ASTM C913 SPECIFICATIONS FOR "PRECAST CONCRETE WATER & WASTEWATER STRUCTURES.
3. CONCRETE COMPRESSIVE STRENGTH SHALL BE A MINIMUM OF 4,000PSI.
4. 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.
5. PROVIDE ADDITIONAL REINFORCING AT OPENINGS AS REQUIRED PER NCDOT REQUIREMENTS.
6. MINIMUM DESIGN SHALL BE H-20-44 LOADING.
7. 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).
8. TOTAL HEIGHT OF STRUCTURE AS SPECIFIED HEREIN.
9. PIPE PENETRATION TO BE AS SPECIFIED. PIPE TO BE INSTALLED AS PER NCDOT STANDARDS FOR MORTAR JOINT CONNECTIONS.
10. JOINTS TO BE SEALED WITH BUTYL RUBBER JOINT SEALANT CONFORMING TO THE REQUIREMENTS OF ASTM C990, OR MORTAR AS PER NCDOT REQUIREMENTS OR BOTH.
11. IF REINFORCED CONCRETE PIPE IS SET IN BASE SLAB OF BOX, ADD BASE THICKNESS AS PRESCRIBED IN NCDOT STANDARD 840.00
12. ANY DEVIATIONS FROM THE APPROVED PLAN & SPECIFICATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.



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STANDARD DROP INLET STRUCTURE DETAIL

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

DETAIL NO.:

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