NYLOPLAST DRAIN BASIN CONSTRUCTION PROTECTION DETAIL - OPTION 1

(BURIED STRUCTURE DETAIL)

FLAG, CONE OR DISTINCTIVE INDICATOR TO MARK STRUCTURE LOCATION

RECOMMENDED COVER MATERIAL TO BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. OTHER MATERIALS MAY BE USED BUT SHALL BE APPROVED BY SITE ENGINEER.

MIN. 6" OF COVER ABOVE TOP OF GRATE FOR STONE OR CLASS I MATERIAL MIN. 18" FOR CLASS II OR III MATERIAL DUE TO RUTTING CAUSED BY HEAVY MACHINERY

INTEGRATED DUCTILE IRON FRAME & GRATE / COVER TO MATCH BASIN O.D.

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-25.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-25.
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. IN THE EVENT A BASIN IS DAMAGED DURING CONSTRUCTION, RISER SECTIONS CAN BE USED FOR FIELD REPAIRS.
4 - COVER MATERIAL SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION OR APPROVED BY SITE ENGINEER. MATERIAL SHALL BE ABLE TO SUPPORT VEHICLE TRAFFIC AND SHALL COVER THE STRUCTURE A MINIMUM OF 6".

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NYLOPLAST DRAIN BASIN CONSTRUCTION PROTECTION DETAIL - OPTION 2

(EROSION CONTROL STRUCTURE DETAIL)

1. PERFORATED RISER SECTION IS TO BE REMOVED AND REPLACED WITH SOLID RISER FOLLOWING THE FINAL SITE GRADING. IF THE PERFORATED RISER SECTIONS ARE DAMAGED DURING CONSTRUCTION, THEY CAN BE EASILY REPLACED WITH MINIMAL DAMAGE TO MAIN BASIN BODY / BASE SECTION.

2. FRAMES & GRATES/SOLID COVERS ARE TO BE INSTALLED ONCE EROSION CONTROL STRUCTURE IS NO LONGER NEEDED.

3. PERFORATION SCHEDULE WILL MEET NYLOPLAST SPECIFICATIONS OUTLINED IN DRAWING 7001-110-006 UNLESS NOTED OTHERWISE.

4. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 8" DUE TO SHIPPING RESTRICTIONS. IN THE EVENT A BASIN IS DAMAGED DURING CONSTRUCTION, RISER SECTIONS CAN BE USED FOR FIELD REPAIRS.

- DUCTILE IRON GRATE OPTIONAL DURING CONSTRUCTION. FILTER FABRIC CAN BE APPLIED UNDER GRATE TO FILTER STORM RUNOFF

- SAFETY OR EROSION CONTROL FENCING TO MARK STRUCTURE DURING CONSTRUCTION

- FILTER FABRIC RECOMMENDED TO LIMIT MIGRATION OF FINES INTO THE SYSTEM

- RIP RAP OR STONE AROUND PERFORATED RISER SECTION DURING CONSTRUCTION TO ALLOW FOR FILTRATION OF STORM RUNOFF

- THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

12" TYPICAL

24"

RISER SECTION IS NOT TO BE GLUED SO BASIN CAN MATCH GRADE WHEN FINAL INSTALLATION IS REQUIRED

8"-36" DRAIN BASIN

4" MIN ON 8"-24" 6" MIN ON 30" & 36"

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