NYLOPLAST DRAIN BASIN CONSTRUCTION PROTECTION DETAIL - OPTION 1
(BURIED STRUCTURE DETAIL)

- METAL PLATE OR PIECE OF PLYWOOD TO COVER OPENING OF GRATE WHEN BURIED
- 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.
- 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.
- FINAL GRADE
- 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.

4" MIN ON 8'-24" 6" MIN ON 30' & 36'
8'-36" DRAIN BASIN

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-35.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-35.
3 - 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.
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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