NYLOPLAST 18" DRAIN BASIN: 2818AG __ X

1. (1, 2) INTEGRATED DUCTILE IRON FRAME & GATE TO MATCH BASIN O.D.

2. MINIMUM PIPE BURIAL DEPTH PER PIPE MANUFACTURER RECOMMENDATION (MIN. MANUFACTURING REQ. SAME AS MIN. SUMP)

3. VARIABLE INVERT HEIGHTS AVAILABLE (ACCORDING TO PLANS/TAKE OFF)

4. VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE:
   - 4" - 18" FOR CORRUGATED HDPE (ADS N-12/ANCHOR DUAL WALL, ADS/ANCHOR SINGLE WALL), N-12 HP, PVC SEWER (EX: SDR 35), PVC DWV (EX: SCH 40), PVC C900/C902, CORRUGATED & RIBBED PVC

5. ADAPTER ANGLES VARIABLE 0° - 360° ACCORDING TO PLANS

6. 18" MIN WIDTH GUIDELINE

7. 8" MIN THICKNESS GUIDELINE

TRAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPlicable DESIGN FACTORS. SEE DRAWING NO. 7001-110-111 FOR NON TRAFFIC INSTALLATION.

WATERTIGHT JOINT (CORRUGATED HDPE SHOWN)

(3) VARIABLE SUMP DEPTH ACCORDING TO PLANS (8" MIN. BASED ON MANUFACTURING REQ.)

4" MIN

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 UNIFORMILY IN ACCORDANCE WITH ASTM D2321.

<table>
<thead>
<tr>
<th>GRATE OPTIONS</th>
<th>LOAD RATING</th>
<th>PART #</th>
<th>DRAWING #</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEDESTRIAN</td>
<td>MEETS H-10</td>
<td>1899CAD</td>
<td>7001-110-212</td>
</tr>
<tr>
<td>STANDARD</td>
<td>MEETS H-20</td>
<td>1899CDD</td>
<td>7001-110-213</td>
</tr>
<tr>
<td>SADDLE COVER</td>
<td>MEETS L-20</td>
<td>1899CGG</td>
<td>7001-110-214</td>
</tr>
<tr>
<td>DOME</td>
<td>N/A</td>
<td>1899CDD</td>
<td>7001-110-215</td>
</tr>
<tr>
<td>DROP IN GRATE</td>
<td>LIGHT DUTY</td>
<td>1801DI</td>
<td>7001-110-074</td>
</tr>
</tbody>
</table>

1. GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 75-50-05.
2. FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 75-50-05.
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLANS DETAILS. RIBBERS ARE NEEDED FOR BASINS OVER 8° DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-021.
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/ANCHOR DUAL WALL), N-12 HP, & PVC SEWER.
5. ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°, TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

18 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL

DRAWN BY: EBC
DATE: 04-03-06

MATERIAL

REVISED BY: NMH
DATE: 03-14-16

PROJECT NO./NAME

Dwg. SIZE: A
SCALE: 1:30
SHEET: 1 OF 1

DWG. NO.: 7001-110-191
REV. E

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