NYLOPLAST DOUBLE 2 FT X 3 FT STEEL BAR GRATE STRUCTURE USING 36" X 80" DUCTILE IRON BASE PLATE

MINIMUM PIPE BURIAL DEPTH PER PIPE MANUFACTURER RECOMMENDATION (MIN. MANUFACTURING REQ. SAME AS MIN. SUMP ON 30", 36" DRAIN BASIN REQUIRES MIN 2.25 FT FROM RIM TO TOP OF PIPE)

WATERTIGHT JOINT (CORRUGATED HDPE SHOWN)

30" OR 36" DRAIN BASIN

NYLOPLAST 2 FT X 3 FT STEEL BAR FRAMES AND GRATES (TAB BETWEEN THE TWO FRAMES WILL NEED TO BE REMOVED IN THE FIELD)

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.

(1) 36" X 80" INTEGRATED DUCTILE IRON BASE PLATE TO MATCH BASIN O.D.

(2) VARIABLE SUMP DEPTH ACCORDING TO PLANS
(10" MIN ON 30" & 12" MIN ON 36" BASED ON MANUFACTURING REQ.)

6" MIN. BEDDING ON 30" & 36"

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. STEEL BAR FRAMES AND GRATES SHALL BE STEEL PER ASTM A36.
2. BASE PLATE SHALL BE DUCTILE IRON PER ASTM A356 GRADE 70-30-05.
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAIN DETAILS.
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3221 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, PVC SEWER (EX: SDR 35), PVC DWV (EX: SCH 40), PVC C900/C905, CORRUGATED & RIBBED PVC
5. ADAPTERS CAN BE MOUNTED ON ANY ANGLE 90° TO 360°, TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
6. STEEL BAR GRATE SHALL MEET H-20 LOAD RATING.

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