NYLOPLAST STRUCTURE WITH DUCTILE IRON BASE PLATE

18" MIN THICKNESS GUIDELINE

FRAME & GRATE PROVIDED BY OTHERS - FRAME SHOULD BE SET ON & LOCKED TO BASE PLATE BY CONCRETE SLAB

18" MIN WIDTH GUIDELINE

8" MIN THICKNESS GUIDELINE WITH 3" MIN BELOW BASE PLATE

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

(1) INTEGRATED DUCTILE IRON BASE PLATE TO MATCH BASIN O.D.

18" MIN THICKNESS GUIDELINE

(2) VARIABLE INVERT HEIGTS AVAILABLE (ACCORDING TO PLANS/TAKE OFF)

6" MIN ON 30'

4" MIN ON 8" - 24'

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.

(3) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE: 4" - 30" 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.

(4) ADAPTER ANGLES VARIABLE 0° - 360° ACCORDING TO PLANS

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

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. THESE GUIDELINES ASSUME CASTING IS DESIGNED TO MEET TRAFFIC LOAD REQUIREMENTS.

(2) VARIABLE SUMP DEPTH ACCORDING TO PLANS (6" MIN ON 8" - 24", 10" MIN ON 30" BASED ON MANUFACTURING REQ.)

1 - BASE PLATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-65-05
2 - DRAIN BASINS TO BE CUSTOM MANUFACTURED ACCORDING TO PLANT DETAILS. RISERS ARE NEEDED FOR BASINS OVER 8" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-005.
3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D2212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 24").
4 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

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