NYLOPLAST DRAIN BASIN WITH SOLID COVER

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

2. 18" MIN WIDTH GUIDELINE

3. 8" MIN THICKNESS GUIDELINE

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

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

6. 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.

7. (6, 7) VARIOUS SUMP DEPTH ACCORDING TO PLANS:
   - 6" MIN. ON 8" - 24", 10" MIN. ON 30"
   - 12" MIN. ON 36" (BASED ON MANUFACTURING REQ.)

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

9. (4) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE:
   - 4" - 36" FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, ADS/HANCOR SINGLE WALL), N-12 HP, PVC SEWER (EX: SDR 35), PVC DWV (EX: SCH 40), PVC C900/C905, CORRUGATED & RIBBED PVC

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

11. WATERTIGHT JOINT (CORRUGATED HDPE SHOWN)

12. 8" - 36" SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A633 GRADE 70-50-05.


14. 8" & 10" SOLID COVERS FIT DIRECTLY ONTO DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-110-040.

15. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLANS DETAILS. RISERS ARE NEEDED FOR BASINS OVER 8" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-055.

16. DRAINAGE CONNECTION STUD JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP & PVC SEWER (4" - 36").

17. ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

18. 12" - 30" SOLID COVERS SHALL MEET N-20 LOAD RATING.

19. 8" & 10" SOLID COVERS ARE RATED FOR LIGHT DUTY APPLICATIONS ONLY. NO CONCRETE COLLAR NEEDED FOR LIGHT DUTY RATING.

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