1. 12" - 30" frames & grates shall be ductile iron per ASTM A536 grade 70-50-05.
2. Drain basin to be custom manufactured according to plan details.
3. Drainage connection stub joint tightness shall conform to ASTM D3212 for corrugated HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC sewer (4" - 36").
4. Adapters can be mounted on any angle 0° to 360°. To determine minimum angle between adapters see drawing no. 7001-110-012.
5. Road & highway grate shall meet H-20 load rating.

Minimum pipe burial depth per pipe manufacturer recommendation (min. manufacturing req. same as min. sump except for 36" basin. 36" drain basin req. 2.25 ft from rim to top of pipe)

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.

Waterproof joint (corrugated HDPE shown)

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, 2) Integrated ductile iron frame & grate to match basin o.d.

(2) Variable invert heights available (according to plans/take off)

(3) 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

(4) Adapter angles variable 0° - 360° according to plans

18" min width guideline

8" min thickness guideline

4" min on 12" - 24" 6" min on 30" & 36"

4" min on 12" - 24" 6" min on 30" & 36"

12" - 36"