NYLOPLAST INLINE DRAIN WITH 2 FT X 2 FT ROAD & HIGHWAY FRAME & GRATE

(1) INTEGRATED DUCTILE IRON FRAME & GRATE TO MATCH BASIN O.D.

18" MIN WIDTH GUIDELINE

8" MIN THICKNESS GUIDELINE

INVERT ACCORDING TO PLANS/TAKE OFF

MINIMUM PIPE BURIAL DEPTH PER PIPE MANUFACTURER RECOMMENDATION

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.

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

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.

WATERTIGHT JOINT (CORRUGATED HDPE SHOWN)

1. 12" - 30" FRAMES & GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-S5-06.

2. 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" - 24”).

3. ROAD & HIGHWAY GRATE SHALL MEET H-20 LOAD RATING.