NYLOPLAST 36" DRAIN BASIN: 2836AG __ X

1. INTEGRATED DUCTILE IRON FRAME & GRATE/SOLID COVER TO MATCH BASIN O.D.

18" MIN WIDTH GUIDELINE

8" MIN THICKNESS GUIDELINE

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.

36" X 30" DUCTILE IRON REDUCING TOP

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) VARIABLE SUMP DEPTH ACCORDING TO PLANS (12" MIN. BASED ON MANUFACTURING REQ.)

15" MIN. MANUFACTURING REQUIREMENT FROM TOP OF GRATE TO TOP OF PIPE (6" MIN. FROM TOP OF PIPE TO R/M AFTER TOP OF 36" BASIN BODY IS FIELD TRIMMED)

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

(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

WATERTIGHT JOINT (CORRUGATED HDPE SHOWN)

GRATE OPTIONS LOAD RATING PART # DRAWING #
PEDESTRIAN MEETS H-20 3090CCP 7001-110-220
STANDARD MEETS H-20 3090CCS 7001-110-221
SOLID COVER MEETS H-20 3090CCD 7001-110-222
DOME N/A 3090CCD 7001-110-223

1. GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-06.
2. FRAMES & REDUCING TOP SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-06.
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RIDERS ARE NEEDED FOR BASIN BODIES OVER 94" DUE TO SHIPPPING RESTRICTIONS.
4. DRAINAGE CONNECTION Stub JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
5. 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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MATERIAL: PROJECT NO./NAME

6" MIN.

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36" DRAIN BASIN QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-526 REV B

SCALE 1:40 SHEET 1 OF 1