NYLOPLAST DRAIN BASIN WITH DOGHOUSE STYLE WEIR

1. WEIR AVAILABLE FOR ALL 24", 30", & 36" STRUCTURE OPTIONS (CUSTOM BASIN, ROAD & HIGHWAY, & CURB INLET).

2. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.

3. HEIGHT OF WEIR TO BE DETERMINED BY ENGINEER. WEIR HEIGHT CANNOT EXCEED 84" DUE TO MANUFACTURING AND SHIPPING RESTRICTIONS.

4. WEIR MANUFACTURED TO MINIMIZE LOSS OF OUTLET PIPE OPEN AREA.

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

6. 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".

7. FRAMES, GRATES, COVERS, HOODS, & BASE PLATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-30-05.

8. 36" DRAIN BASIN Requires 36" X 36" REDUCING CONE. WEIR MUST BE A MIN. 15" FROM GRADE SO NOT TO INTERFERE WITH CONE.

9. LADDERS CANNOT BE USED IN DOGHOUSE WEIR STRUCTURES AS THE WEIR MAY BECOME HAZARDOUS WHILE ENTERING AND EXITING THE STRUCTURE.

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.

HIGH-FLOW/SECONDARY OUTLET

FIRST-FLUSH OUTLET

INLET PIPE

24" - 30" FRAME & SOLID COVER

SIDE SECTION & TOP VIEW: ENLARGED TO SHOW DETAIL

INLET PIPE

(1) OUTLET WEIR

DRAWN BY: EBC
DATE: 05-10-06

REVISED BY: NMH
DATE: 10-14-20

MATERIAL

PROJECT NO./NAME

TITLE

3130 VERONA AVE
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DRAIN BASIN WITH DOGHOUSE WEIR
QUICK SPEC INSTALLATION DETAIL

DWG NO.: 7004-110-058
REV: H

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