NYLOPLAST 2' X 3' ROLL CURB INLET STRUCTURE

FLOW DIRECTION

ROAD BASE

HIGH FLOW VANE GRATE
PART # 3099CGRFH
DIAGONAL GRATE AVAILABLE
PART # 3099CGRDF

INTEGRATED DUCTILE IRON BASE PLATE TO MATCH BASIN O.D.

CONCRETE ROLL CURB & GUTTER

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FLOW DIRECTION

ROAD BASE

HIGH FLOW VANE GRATE
PART # 3099CGRFH
DIAGONAL GRATE AVAILABLE
PART # 3099CGRDF

INTEGRATED DUCTILE IRON BASE PLATE TO MATCH BASIN O.D.

CONCRETE ROLL CURB & GUTTER

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(1) RIGHT FLOW ROLL CURB INLET PART # 3099CGRFHR
(1) LEFT FLOW ROLL CURB INLET PART # 3099CGRFHL

18" MIN WIDTH GUIDELINE

5" MIN THICKNESS GUIDELINE

(2) VARIABLE SUMP DEPTH ACCORDING TO PLANS
(6" MIN ON 15' & 24', 10" MIN ON 30' & 72" MIN ON 36' BASED ON MANUFACTURING REQ.)

4" MIN ON 15' & 24'
5" MIN ON 30' & 36'

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.

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.

1 - 18'-36' GRATES, FRAMES, HOODS, & BASE PLATES 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, ADS/HANCOR SINGLE WALL), N-12 HP, PVC SEWER (EX: SDR 35), PVC DWV (EX: SCH 40), PVC C800/C805, CORRUGATED & RIBBED PVC (CORRUGATED HDPE SHOWN)
4 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012
5 - VARIABLE INVERT HEIGHTS AVAILABLE (ACCORDING TO PLANS/TAKE OFF)
6 - 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)
7 - ALL ROLL CURB INLET GRATE OPTIONS (DIAGONAL & HIGH FLOW) SHALL MEET H-20 LOAD RATING

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DRAWN BY: EBC
DATE: 04-20-07

REVISIONS: NMH
DATE: 07-22-19

TITLE: 2 FT X 3 FT ROLL CURB INLET
QUICK SPEC INSTALLATION DETAIL

MANUFACTURING: ADS
3139 VERONA AVE
BUFORD, GA 30519
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com

DWG SIZE: A
SCALE: 1:40
SHEET: 1 OF 1
DWG NO: 7002-110-075
REV: E

MATERIAL

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