

- 1. 3/4" EXPANSION JOINTS WITH 2' DOWELS TO BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS. THESES DOWELS SHALL BE GREASED
- AND WRAPPED ON ONE END WITH EXPANSION TUBES. 2. 2" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATELY
- 10' INTERVALS. 3. FIX DOWELS WITH BAR CHAIRS OR EQUAL.

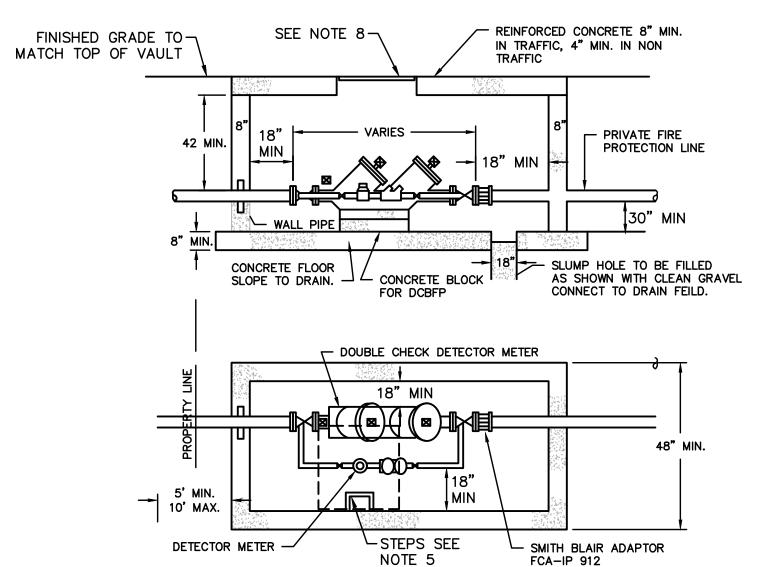
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EXPANSION JOINT PLACEMENT DETAIL

NYLOPLAST 2 FT X 2FT CURB INLET STRUCTURE: 30 _ AGS _ X CONCRETE CURB & GUTTER ASPHALT 18" MIN WIDTH GUIDELINE — 8" MIN THICKNESS GUIDELINE (2) VARIABLE INVERT HEIGHTS (1) DUCTILE IRON AVAILABLE (ACCORDING TO TRAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE FRAME, GRATE, & HOOD PLANS/TAKE OFF) PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS. MINIMUM PIPE BURIAL DEPTH PER PIPE MANUFACTURER RECOMMENDATION (1) INTEGRATED DUCTILE IRON (MIN. MANUFACTURING BASE PLATE TO MATCH BASIN O.D. (4) ADAPTER REQ. SAME AS MIN. SUMP) ANGLES VARIABLE 0° - 360 (2) VARIABLE SUMP DEPTH ACCORDING TO PLANS WATERTIGHT JOINT (6" MIN ON 12" - 24", 10" MIN ON 30" (CORRUGATED HDPE SHOWN) BASED ON MANUFACTURING REQ.) 4" MIN ON 12" - 24" 6" MIN ON 30" (3) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE: 4" - 30" FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER ADS/HANCOR SINGLE WALL), N-12 HP, PVC SEWER (EX: SDR 35), GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, PVC DWV (EX: SCH 40), PVC C900/C905, CORRUGATED & RIBBED PVC 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. - 12" - 30" FRAMES, GRATES, HOODS, & BASE PLATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05. 2 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN 3130 VERONA AVE THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH DRAWN BY EBC MATERIAL 3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO BUFORD, GA 30518 NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), PHN (770) 932-2443 OR POSSESSION OF THIS PRINT DOES NOT CONFER, Nyloplast* FAX (770) 932-2490 www.nyloplast-us.com TRANSFER. OR LICENSE THE USE OF THE DESIGN OR N-12 HP, & PVC SEWER (4" - 24"). 4 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO TECHNICAL INFORMATION SHOWN HEREIN REVISED BY NMH PROJECT NO./NAME DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING REPRODUCTION OF THIS PRINT OR ANY INFORMATION ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS

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IS EADDIDDEN. EVERTS BY ASSESSED. CONTAINED HEREIN, OR MANUFACTURE OF ANY DRAIN BASIN WITH 2 FT X 2 FT CURB INLET 5 - ALL CURB INLET GRATE OPTIONS (STANDARD & DIAGONAL) SHALL MEET QUICK SPEC INSTALLATION DETAIL H-20 LOAD RATING IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN ? 2013 NYLOPLAST DWG SIZE A NOT TO SCALE SHEET 1 OF 1 DWG NO.



BACKFLOW PREVENTER

11 NYLOPLAST 2'X2' CURB INLET STRUCTURE

- 1. METER VAULT WALLS TO BE POURED OR PRECAST CONCRETE. METER VAULT ROOF TO BE REINFORCED CONCRETE WITH OPENING CENTERED OVER DETECTOR METER. REINFORCED WALLS AND SLABS ARE TO BE DESIGNED BY THE OWNER'S ENGINEER OR PRECAST ENGINEER.
- 2. METER VAULT TO BE LOCATED, WHEN POSSIBLE, OUTSIDE TRAFFIC AREA AND WHERE SURFACE WATER WILL NOT DRAIN INTO IT. PROVIDE CONCRETE SUMP TO DRAIN TO AN ABOVE GROUND DISCHARGE POINT.
- 3. ALL PIPE AND FITTINGS FROM THE CITY WATER MAIN THROUGH THE VAULT SHALL BE PROVIDED WITH RESTRAINED JOINT
- 4. ALL FITTINGS FOR THE DETECTOR METER BE BRASS.
- 5. STEPS SHALL BE IN ACCORDANCE WITH THE APPROVED PRODUCT LIST FOR WATER UTILITIES AND SHALL BE ON 16"
- CENTERS. 6. A DEPARTMENT OF NATURAL RESOURCES APPROVED DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTER MUST BE USED. FOR A COPY OF THE MISSOURI DEPARTMENT OF NATURAL RESOURCES APPROVED BACKFLOW
- PREVENTION ASSEMBLIES, CONTRACT WATER UTILITIES AT 816.969.1900. 7. ALL VALVES SHALL HAVE RISING STEMS.
- 8. MANHOLE COVER SHALL BE A BILCO K-1 MODEL UNLESS IN A VEHICLE TRAFFIC AREA. SEE THE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR TRAFFIC CONDITIONS. THE COVER SHALL HAVE A 1-3/4" DIAMETER HOLE DRILLED FOR A
- 9. A MINIMUM OF 18" CLEARANCE SHALL BE PROVIDED AROUND ALL PIPING, VALVES, APPURTENANCES, ETC.
- 10. CONTACT PUBLIC WORKS ENGINEERING FOR VAULTS THAT INCLUDE A FIRE DEPARTMENT CONNECTION OF A 3" OR LARGER METER.

QA/QC by: _ M.G.D. project no.:____ 018-1095 0000.00.00

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BACKFLOW PREVENTER

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DETAIL SHEET DEVELOPMENT

SHEET