

Order Plans @

**MINIMUM CONTAINMENT PROTECTION REQUIREMENT  
NEW CONSTRUCTION AND RETROFIT INSTALLATIONS  
SERVICE SIZE: 3/4" THROUGH 2" METER SIZE: THROUGH 2"  
REDUCED PRESSURE ZONE BACKFLOW PREVENTER (RPZ BFP) ASSEMBLY**

**SPECIFICATIONS:** The CUSTOMER/OWNER shall furnish and install a REDUCED PRESSURE ZONE BACKFLOW PREVENTER (RPZ BFP) in a size to match that of the required service meter. The RPZ BFP assembly shall include a full port ball valve on the inlet and outlet sides with a union between the device and each valve. The device shall have three ball valve test cocks in an acceptable position fitted with brass or plastic plugs. A fourth test cock shall be provided on the upstream side of the inlet shutoff valve. A strainer shall be installed immediately upstream of the RPZ, unless the RPZ is directly downstream of the meter. All components of the assembly shall be equivalent to bronze or stainless steel construction and assembled with bolts that are resistant to electrolysis.

**NOTE:** All components of the assembly shall be certified by a nationally recognized testing laboratory. The RPZ device shall have current approval from the University of Southern California, Foundation for Cross Connection Control and Hydraulic Research (USC-FOCHR). Assembly to be individually factory tested, shipped and installed as a unit.

**INSTALLATION INSTRUCTIONS:** The RPZ BFP assembly shall not be installed below ground. If installed outdoors, an above ground enclosure must be provided for protection from freezing temperatures. Indoor installations shall be readily accessible for testing and maintenance and may not be installed any higher than 6 feet from the floor. Install on approved drain with an air gap where relief zone discharge could cause water damage. No connection will be allowed between the service meter and a BFP used for system containment unless this connection is protected by an approved BFP.

**CAUTION:** Section 607.3, Thermal Expansion Control, of the International Plumbing Code, 2006, as adopted by the Georgia State Plumbing Code (combined 2007 and 2008 Amendments) should be incorporated in the design of installations and duly noted on all applicable drawings prior to the installation of any inline checking device(s).

**DEVICE TESTING:** All RPZ assemblies shall be tested at time of installation and at least ANNUALLY thereafter. Cross-Connection Control Specialist, at 770-414-2354 for installation inspections and device tests.

**APPROVED DEVICES:** (or equivalent)

Conbraco	40-200-	3/4", 1", 1 1/2", 2"
Fabco	825Y, 825YA-	3/4", 1", 1 1/2", 2"
Harvey	FRP2-	3/4", 1", 1 1/2", 2"
Watts	U-909-QT or U-009-QT	3/4", 1", 1 1/2", 2"
Wilkins	975X-U	3/4", 1", 1 1/2", 2"

**APPROVED INSTALLATION OF  
REDUCED-PRESSURE-PRINCIPAL  
DEVICE**

**1. ABOVE GROUND**

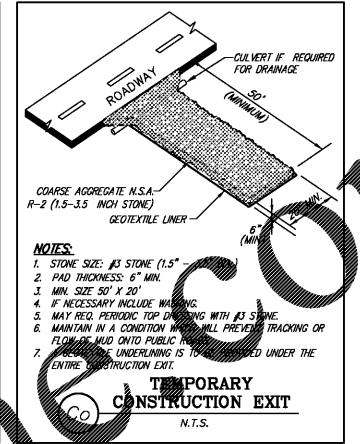
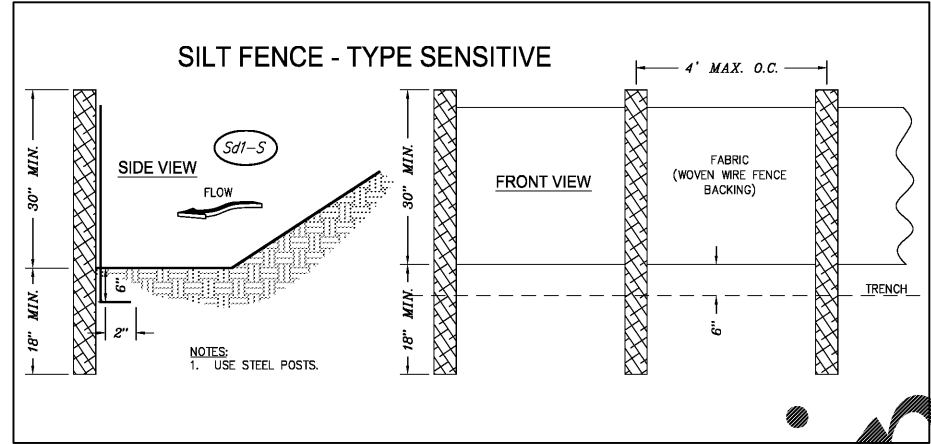
**2. IN BUILDING**

**3. IN BASEMENT**

**STANDARD DETAILS  
RPZ BFP Installation  
3/4" to 2"**

NOT TO SCALE

DEKALB COUNTY, GA  
Department of Watershed  
Management  
11/18  
DETAILS 18-014



**CRITICAL AREA VEGETATIVE PLAN**

Ds1 Ds2 Ds3

**GENERAL**  
THIS VEGETATIVE PLAN WILL BE CARRIED OUT ON ROAD CUT AND FILL SLOPES, BULDERS AND OTHER CRITICAL AREAS CREATED BY CONSTRUCTION IN AN AREA IS COMPLETED. PLANTS WILL BE MAINTAINED TO CONTROL EROSION, TO REDUCE DAMAGES FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS AND IMPROVE THE SAFETY AND BEAUTY OF THE DEVELOPMENT AREA.

**SOIL CONDITIONS**  
DUE TO GRADING AND CONSTRUCTION, THE AREAS WILL BE TREATED AS HEAVILY SUBSIDIZED SUBSTRATA. FERTILITY IS LOW AND THE PHYSICAL CHARACTERISTICS OF THE EXPOSED MATERIAL ARE UNDESIRABLE TO ALL BUT THE MOST HARDY PLANTS.

**TREATMENT SPECIFICATIONS**

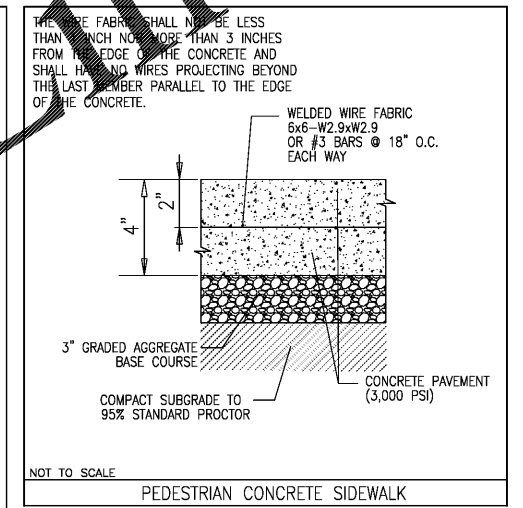
**CONVENTIONAL SEEDING EQUIPMENT:**  
GRADE, SHAPE AND SLOPE WHERE NEEDED TO PROVIDE FOR SAFE EQUIPMENT OPERATION AT SEEDING TIME AND FOR MAINTENANCE PURPOSES. THE LIME AND FERTILIZER IN DRY FORM WILL BE SPREAD UNIFORMLY OVER THE AREA IMMEDIATELY BEFORE SEEDING PREPARATION. THE SEEDBED MUST BE PREPARED BY SCARPING TO A DEPTH OF 2 TO 4 INCHES AS DETERMINED BY THE SEEDBED MUST BE WELL RAKEZED, SMOOTHED AND FIRMED. SEEDING WILL BE DONE WITH CULTIVATOR-SEEDER, DRILL, ROTARY SEEDER OR OTHER MECHANICAL HAND SEEDER. SEED WILL BE DISTRIBUTED UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OF THE GROUND SURFACE EXPOSED. MULCH WILL BE SPREAD WITH POWER-TYPE MULCH EQUIPMENT OR BY HAND AND ANCHORED IMMEDIATELY AFTER IT IS SPREAD. A DISK HARROW WITH THE DISK SET STRONG OR SPECIAL PACKER DISK MAY BE USED TO PRESS THE MULCH INTO THE SOIL. THE PER ACRE APPLICATION RATES ARE AS FOLLOWS:

AGRICULTURAL LIMESTONE	4000 lbs./acre
FERTILIZER, 5-10-15	1500 lbs./acre
MULCH, STRAW OR HAY	5000 lbs./acre

SEED SPECIES	APPLICATION RATE/ACRES	PLANTING DATES
HULLED COMMON BERWIDGRASS	10 LBS	3/1 - 6/15
FESCUE	50 LBS	9/1 - 10/31
FESCUE	50 LBS	11/1 - 2/28
RTE	50 LBS	
HAY MULCH FOR TEMPORARY COVER	5000 LBS	6/15 - 8/3

**B. TOPDRESSING: APPLY WHEN PLANTS ARE 2 TO 4 INCHES TALL**  
FERTILIZER (AMMONIUM NITRATE 33.5%) 300 LBS/ACRE

**C. SECOND-YEAR FERTILIZER: (5-10-15 OR EQUIVALENT) 800 LBS/ACRE**



**DES  
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133 WILKINSON BLVD  
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**REGISTERED PROFESSIONAL ENGINEER**  
No. 034135  
JASON K. DAVIS  
ENGINEER  
JASON K. DAVIS  
5/1/18

REVISION	DATE	DESCRIPTION
0	3/6/18	INITIAL SUBMITTAL
1	5/1/18	REVISED PER DEKALB COUNTY

**DETAILS  
WINDWOOD HOLLOW PARK - ADDITION**  
LAND LOTS 279 & 308  
6TH DISTRICT  
DEKALB COUNTY, GEORGIA

**DRAWN BY:** T.B.  
**CHECKED BY:** JKD  
**LAND LOT:** 279, 308  
**DISTRICT:** 6TH  
**SECTION:** -  
**CITY:** DUNWOODY  
**COUNTY:** DEKALB  
**DATE:** 3/6/18

SHEET NO.  
**4 OF 4**

PROJECT NO.  
**2018-001**