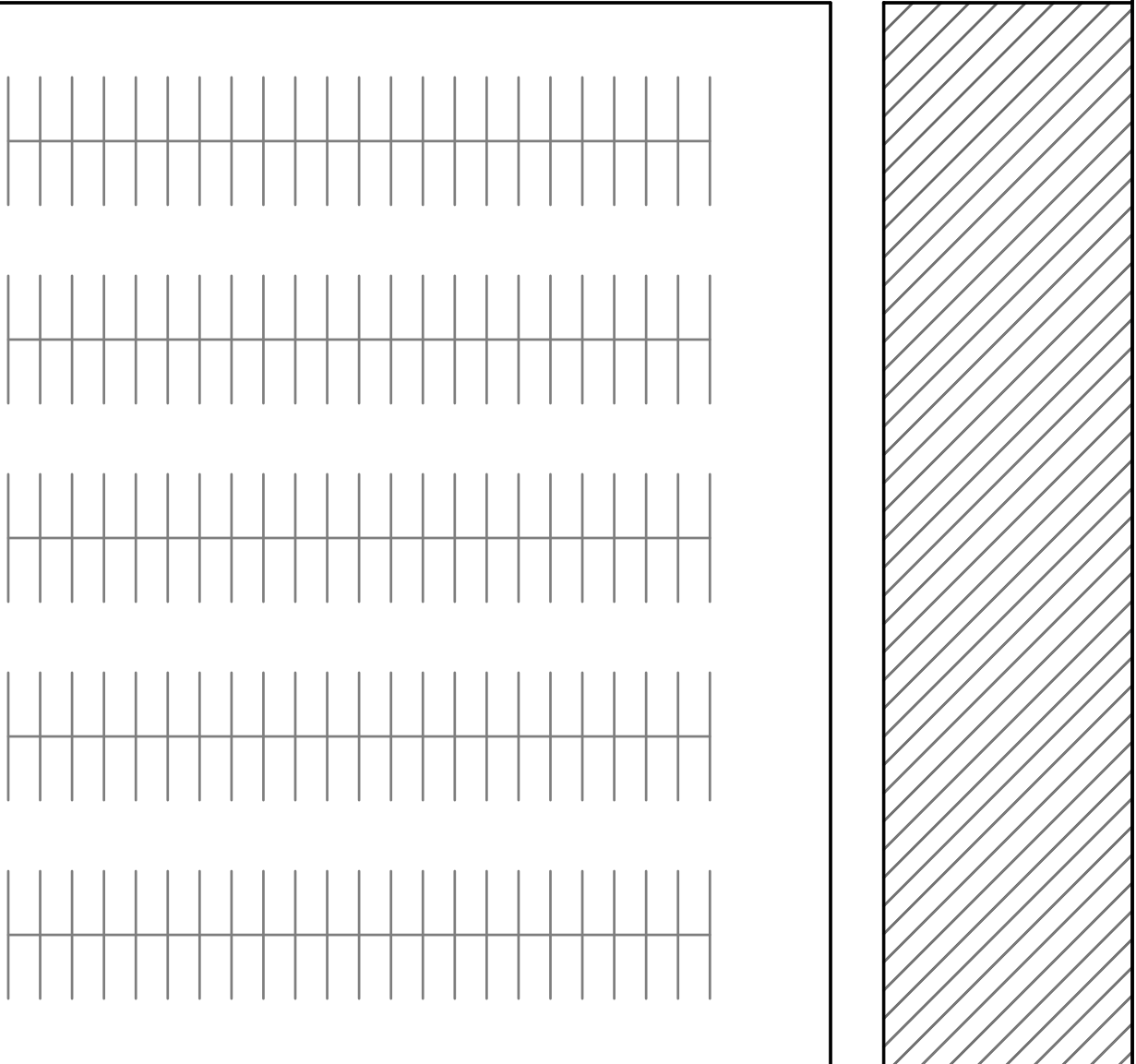
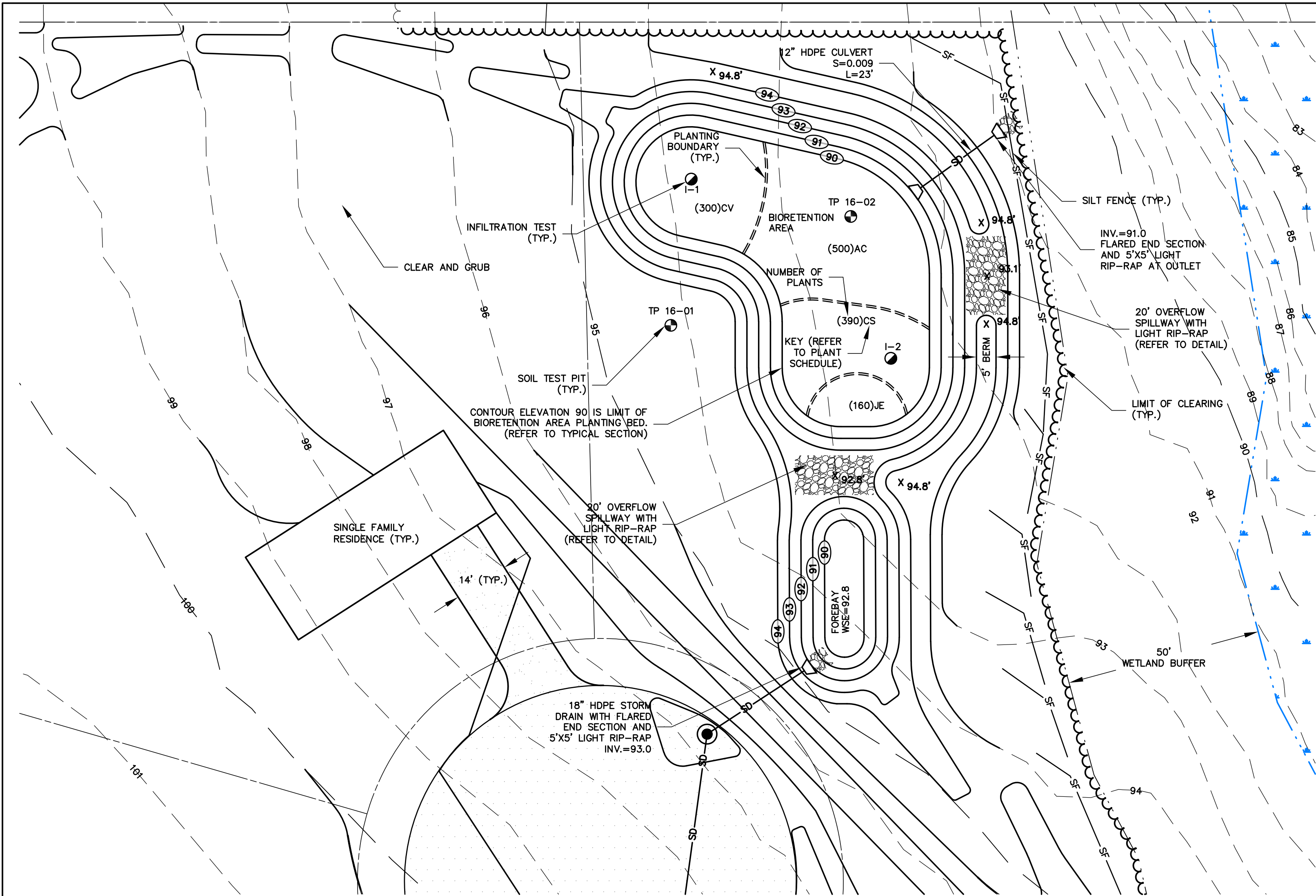


- CONSTRUCTION NOTES**
- ACTIVE REFORESTATION AREAS NOTED ON THE PLANS SHALL BE PLANTED WITH NATIVE TREES AND SHRUBS, AND SHALL BE DEMARCATED USING FENCING, STONE BOULDERS, OR OTHER PERMANENT DEMARCATION TO ESTABLISH THE LIMITS OF THE REFORESTED AREA.
 - ACTIVE REFORESTATION AREAS SHALL BE PLANTED WITH A DENSITY OF 380 SHRUBS PER ACRE. TREES SHALL BE PLANTED WITH A DENSITY OF 35 TREES PER ACRE.
 - SHRUBS SHALL BE SPACED 12 FEET APART, BE A MINIMUM HEIGHT OF 24 INCHES AND SHALL BE COMPRISED OF THE FOLLOWING SPECIES PLANTED RANDOMLY:
 - A. SILKY DOGWOOD
 - B. SHRUB WILLOW
 - C. ELDERBERRY
 - D. BLACK CHOKECHERRY
 - TREES SHALL BE SPACED 40 FEET APART AND BE 1 INCH CALIPER MINIMUM AND SHALL BE COMPRISED OF THE FOLLOWING SPECIES:
 - A. SWAMP WHITE OAK
 - B. RED MAPLE
 - C. SUGAR MAPLE
 - PLANTINGS SHALL BE MONITORED FOR A PERIOD OF TWO YEARS. A PLANT SURVIVAL RATE OF 80% IS REQUIRED.



INTENSIVE DEVELOPMENT HIGH DENSITY RESIDENTIAL		Project No.: 791-001
PROPOSED SITE PLAN		Cadd file: 791-001
		Drawn by: RR
		Checked by: BFR
		Scale: 1" = 50'
		Date: 03/03/2017
		Drawing number:
404 East Main Street Any Town, VT Telephone: 555-1234 Fax: 555-6789		C-2

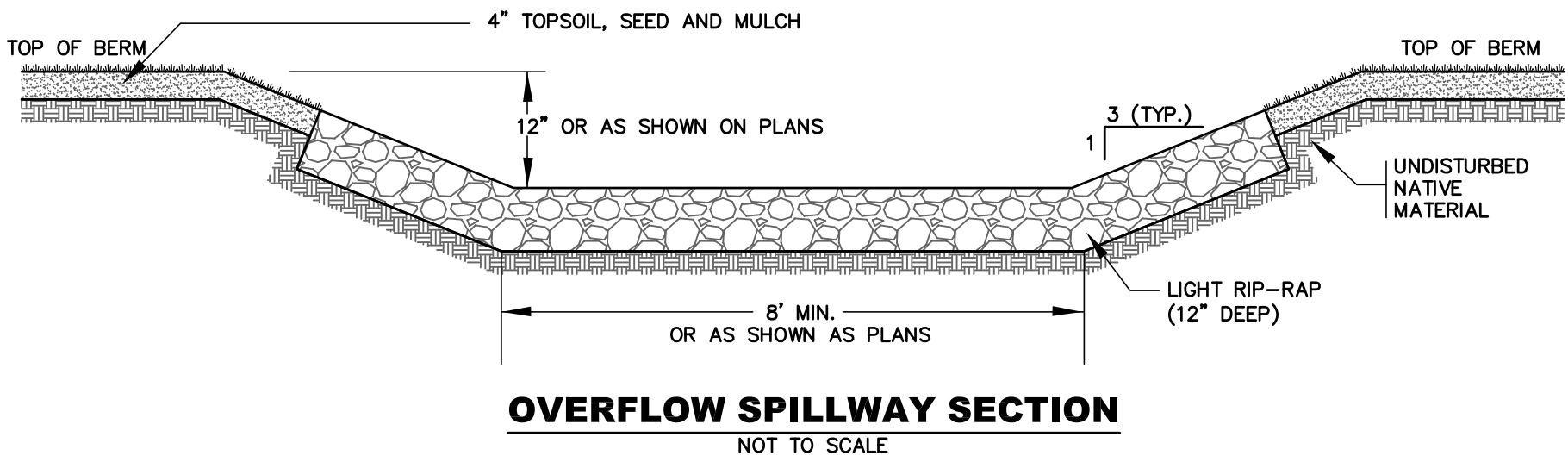
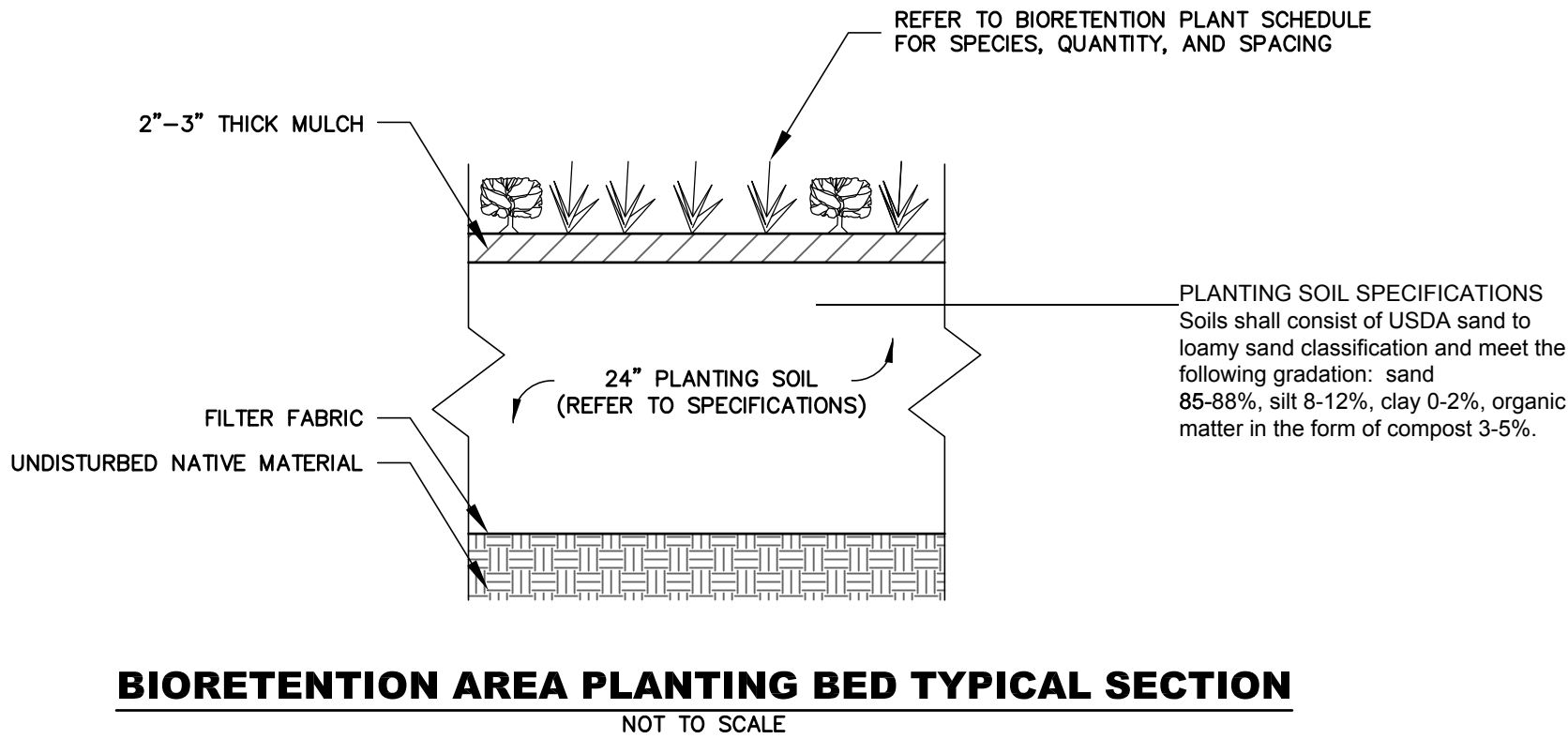
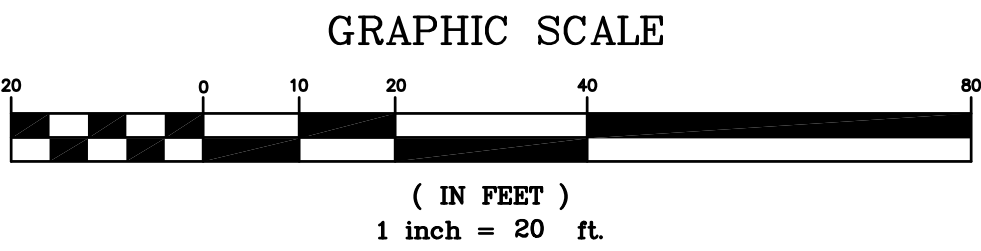


CONSTRUCTION NOTES:

1. DISTURBED SOILS BEYOND LIMITS OF STORMWATER FILTER/PLANTING BED SHALL BE PLANTED WITH CONSERVATION SEED MIX. REFER TO LAWN PLANTING DETAIL AND SOILS MANAGEMENT PLAN FOR ADDITIONAL REQUIREMENTS.
2. THE AREA DRAINING TO THE BIORETENTION PRACTICE SHALL BE FULLY STABILIZED BEFORE RUNOFF IS DIRECTED TO IT. CONTRIBUTING PERVIOUS AREAS SHALL HAVE A DENSE AND VIGOROUS VEGETATIVE COVER AND IMPERVIOUS AREAS MUST BE COMPLETED.

BIORETENTION AREA PLANT SCHEDULE

KEY	QUANTITY	COMMON NAME	SIZE	SPACING
CS	390	TUSsock SEDGE	#1	18" O/C
AC	500	SWEET FLAG	#1	24" O/C
JE	160	SOFT RUSH	#1	24" O/C
CV	300	FOX SEDGE	#1	18" O/C



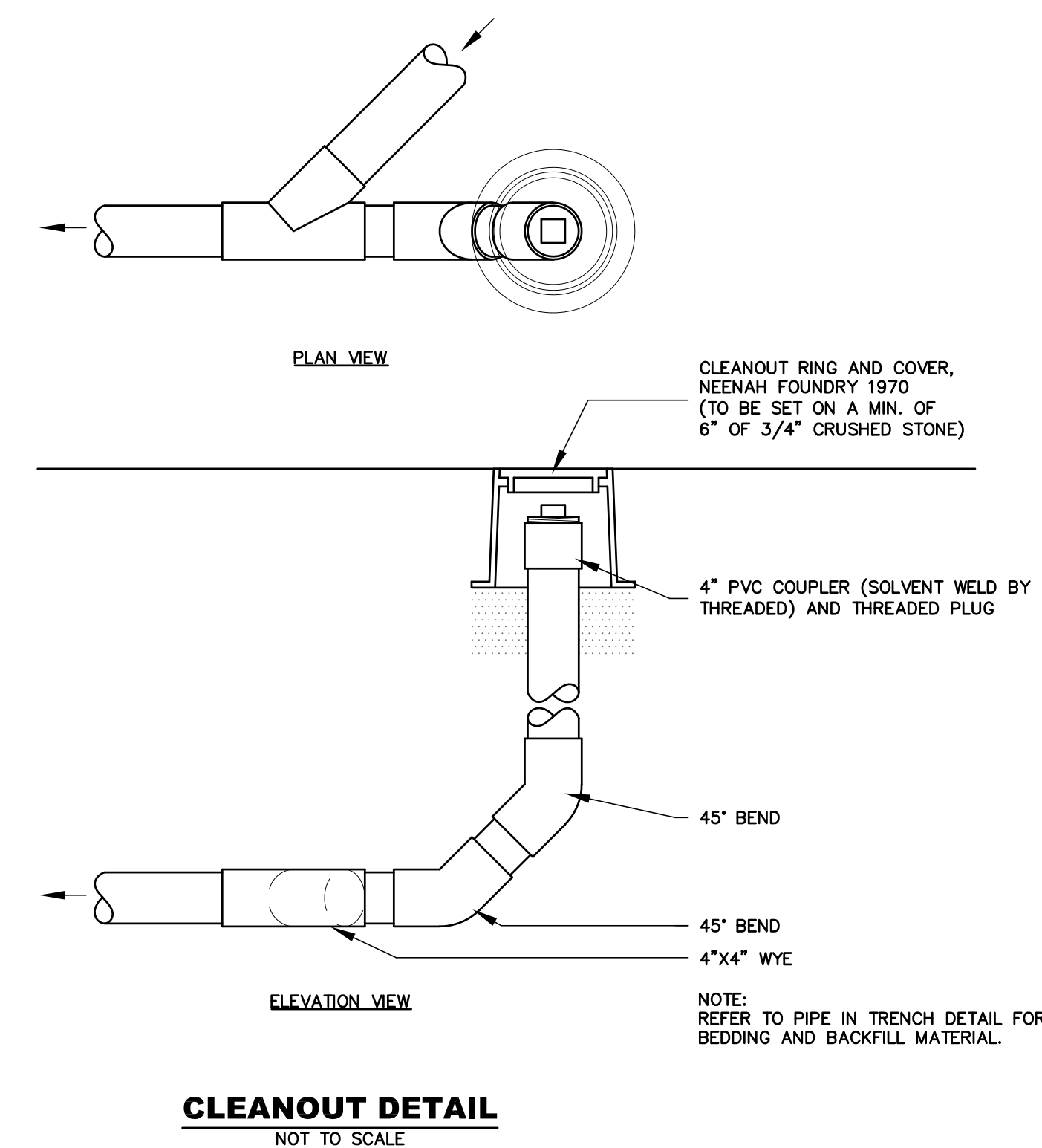
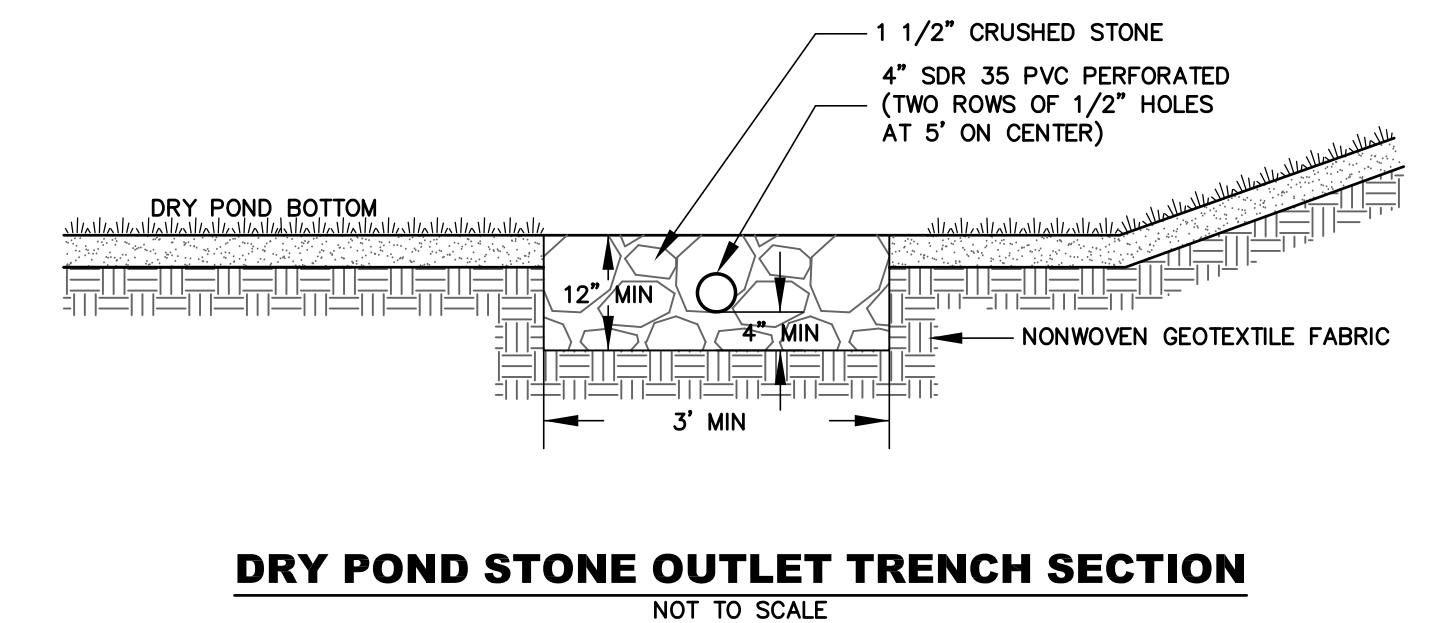
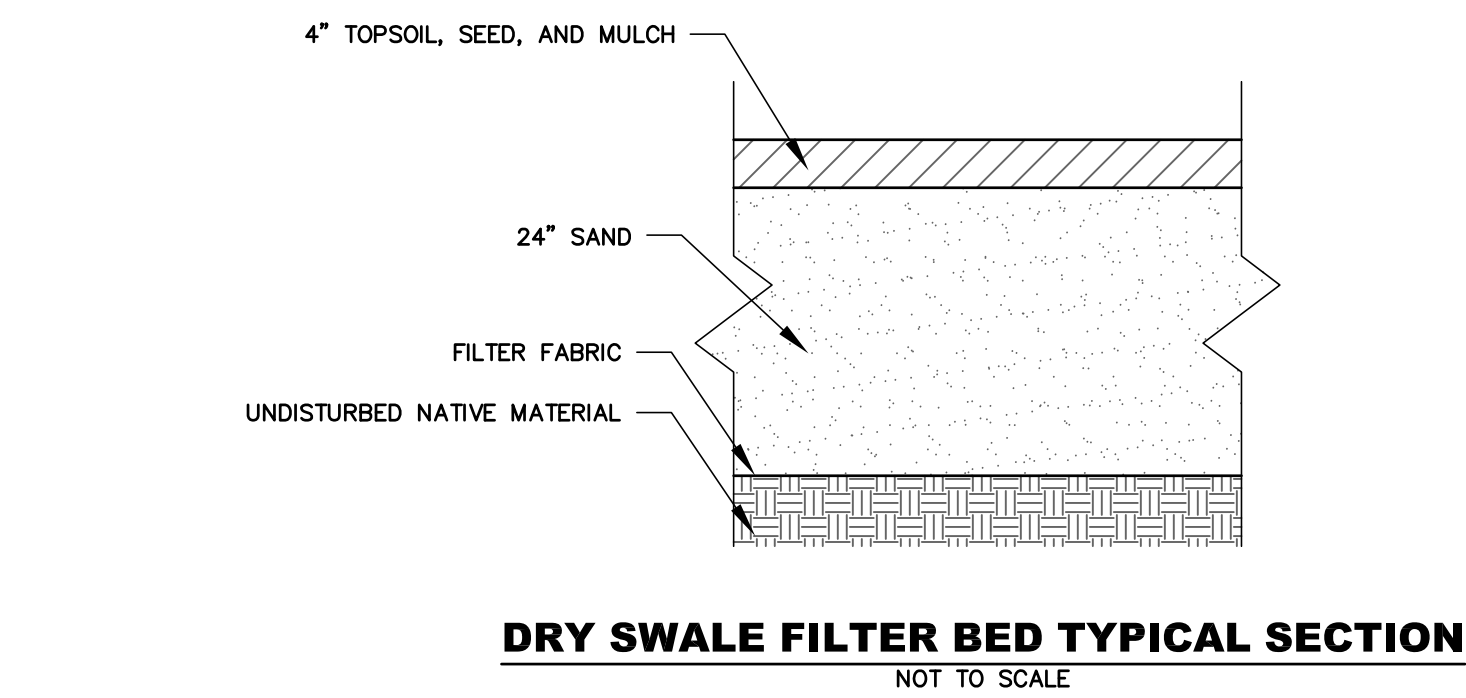
INTENSIVE DEVELOPMENT
HIGH DENSITY
RESIDENTIAL

SITE PLAN
AND DETAILS

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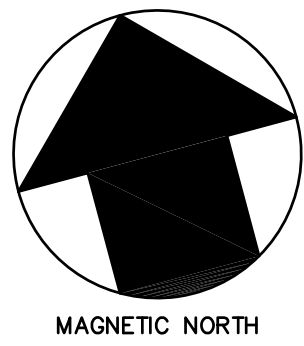
Project No.:
791-001
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791-001
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Date:
03/03/2017
Drawing number:

C-3



<h1 style="text-align: center;">INTENSIVE DEVELOPMENT HIGH DENSITY RESIDENTIAL</h1>	Project No.: 791-001
	Cadd file: 791-001
<h2 style="text-align: center;">SITE PLAN AND DETAILS</h2>	Drawn by: RR
	Checked by: BFR
<div style="text-align: center;"> <p>404 East Main Street Any Town, VT Telephone: 555-1234 Fax: 555-6789</p> </div>	Scale: AS SHOWN
	Date: 03/03/2017
	Drawing number:

C-5



SOIL RESTORATION NOTES:

Following rough site grading, installation of utilities and infrastructure, and prior to planting of vegetative cover, Contractor shall restore soil quality to disturbed soils that will not be covered by impervious surfaces, incorporated into structural stormwater treatment practices, athletic fields, or engineered structural fill using one of the following methods. Contractor shall provide notice to Engineer/Owner prior to construction of selected method.

Option 1: Amend existing site topsoil or subsoil in place.

- Scarify or till subsoils to 4 inches of depth or to depth needed to achieve a total depth of 8 inches of uncompacted soil after calculated amount of amendment is added. Except for within the drip line of existing trees, the entire surface shall be disturbed by scarification.
- Amend soil to meet organic content requirements:
 - PRE-APPROVED RATE: Place 1 inch of composted material with an organic matter content between 40 and 65% and rototill into 3 inches of soil, or
 - CALCULATED RATE: Place calculated amount of composted material or approved organic material and rototill into depth of soil needed to achieve 4 inches of settled soil at 4% organic content.
- Rake beds to smooth and remove surface rocks larger than 2 inches in diameter.
- Water or roll to compact soil in turf areas to 85% of maximum dry density.

Option 2: Remove and stockpile existing topsoil during grading.

- Stockpile soil on site in a designated controlled area, at least 50 feet from surface waters, wetlands, floodplains, or other critical resource areas.
- Scarify or till subgrade to a depth of 4 inches. Except for within the drip line of existing trees, the entire surface shall be disturbed by scarification.
- Stockpiled topsoil shall also be amended, if needed, to meet the organic content requirements:
 - PRE-APPROVED RATE: Compost shall be incorporated with an organic matter content

- between 40 and 65% into the topsoil at a ratio 1:3, or
 - CALCULATED RATE: Incorporate composted material or approved organic material at a calculated rate to achieve 4 inches of settled soil at 4% organic content.
 - Replace stockpiled topsoil prior to planting.
 - Rake to level, and remove surface rocks larger than 2 inches in diameter.
- Option 3: Import topsoil mix, or other materials for mixing, including compost, of sufficient organic content and depth.
- Scarify or till subgrade to a depth of 4 inches. Except for within the drip line of existing trees, the entire surface shall be disturbed by scarification.
 - Place 4 inches of imported topsoil mix on surface. The imported topsoil mix shall contain 4% organic matter. Soils used in the mix shall be sand or sandy loam as defined by the United States Department of Agriculture (USDA) Soil Classification System.
 - Rake beds to smooth and remove surface rocks larger than 2 inches in diameter.
 - Water or roll to compact soil in turf areas to 85% of maximum dry density.

SOIL RESTORATION TESTING:

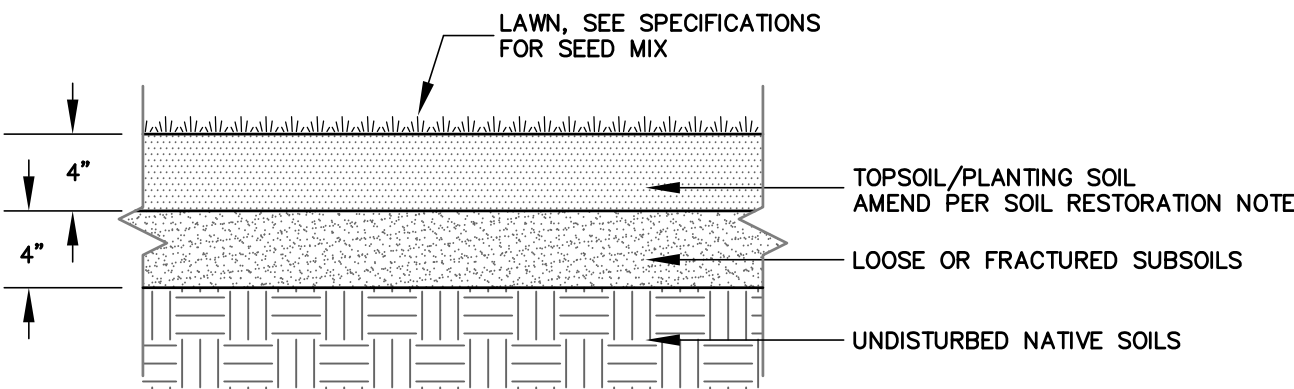
Once soil quality has been restored in accordance with the soil restoration methods outlined, and prior to planting the Contractor shall perform field testing of restored soil quality. Testing shall be in the locations shown on the plans or as approved by the Engineer. A minimum of nine test holes per acre shall be dug. Testing shall be performed using spade shovel driven using solely by the weight of the inspector. Contractor shall prepare reporting form that includes the following information:

1. Date/time of test,
2. Persons performing and witnessing testing.
3. Location of test,
4. observations shall note: ease of driving spade (difficult, moderate, easy), verification of soil

amendments, note of material thicknesses, texture and other notable soil features.

Tests that indicate difficulty in driving a spade, lack of soils amendments, and textures not consistent with restoration practice options noted above shall have an additional test performed within 50 feet of the test showing "poor" results. If three consecutive tests showing poor results are obtained the area tested shall be subject to rework in accordance with restoration practices noted and subsequently retested.

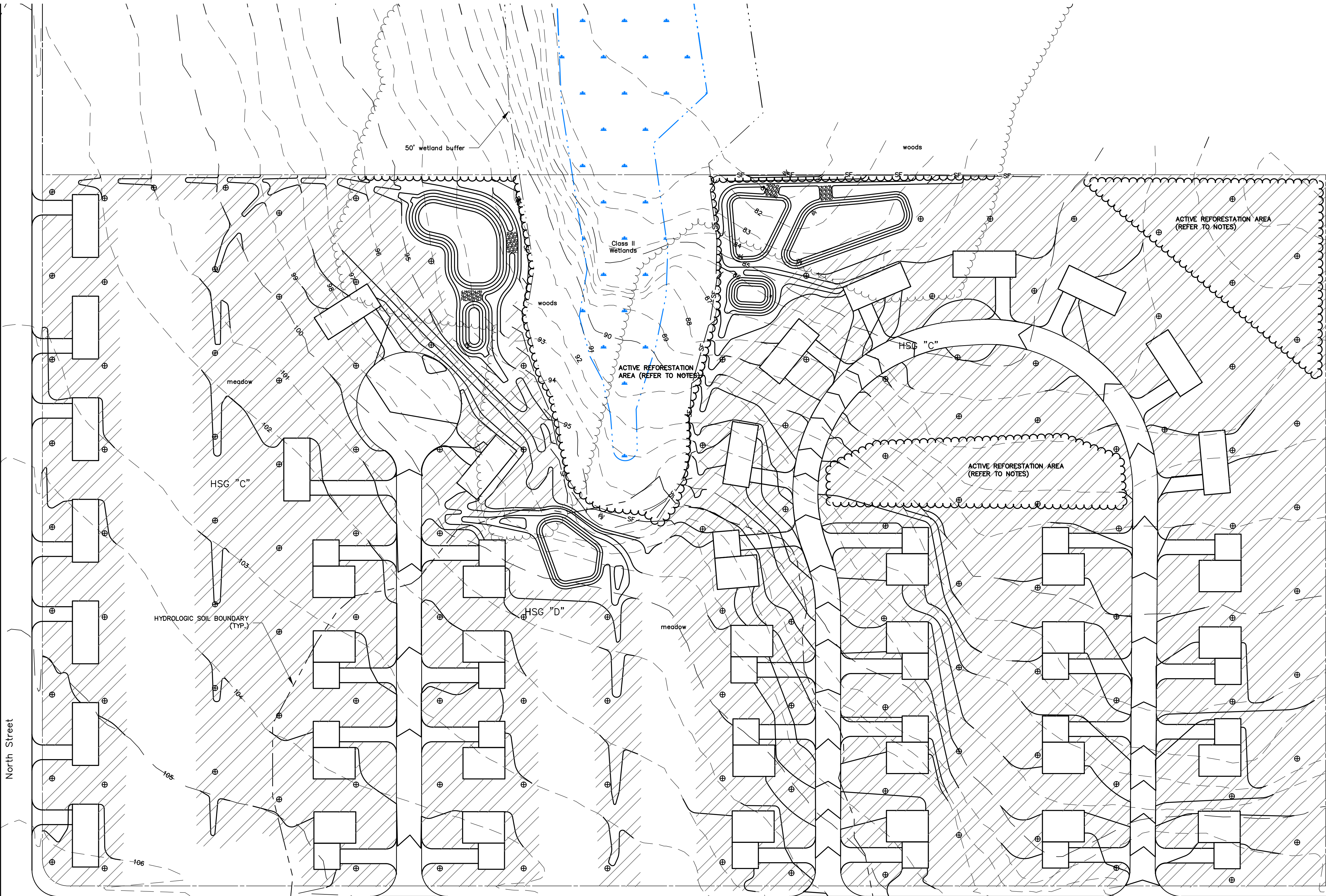
On completion of successful testing, surfaces shall be planted with seed and stabilized in accordance with technical specifications.



LAWN PLANTING
NOT TO SCALE

LEGEND

- ⊕ SOIL RESTORATION TEST
- ▨ DISTURBED SOILS SUBJECT TO SOIL RESTORATION STANDARDS



GRAPHIC SCALE

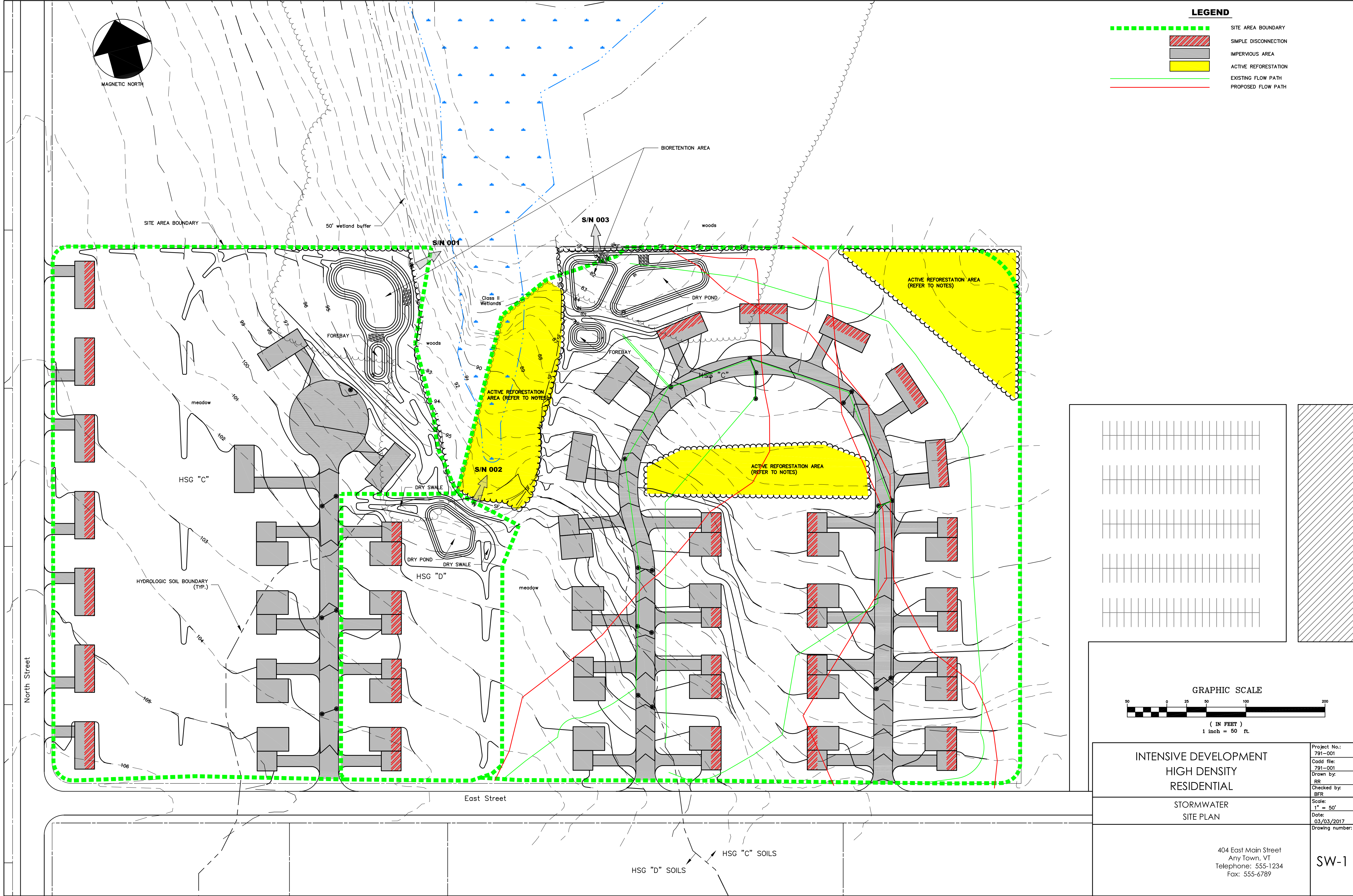


INTENSIVE DEVELOPMENT
HIGH DENSITY
RESIDENTIAL

SOIL MANAGEMENT
PLAN

404 East Main Street
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Bioretention Areas (2): Pre-treatment forebays shall be cleaned of sediment at 50% capacity and pre-treatment swales shall also be free of collected sediment. Sediment to be disposed of in upland area, outside of any wetlands or wetland buffers. Standing water in practices for longer than 48 hours after storm event shall be reported to designer or investigated for potential clogging, and maintained as required. Plantings within each bioretention area shall be in good condition or replaced. Outlet/conveyances shall be free from erosion. For specifications of each practice, see plans. Dry Pond adjacent to the eastern bioretention area shall also dewater completely after storm events and outlets free of clogging and free of erosion, and maintained as necessary.

Simple Disconnections: All impervious areas shown hatched in red are those surfaces for which stormwater runoff must be disconnected, meaning uncollected or otherwise redistributed as sheet flow into vegetated areas of a specified flow length and slope. The areas receiving runoff from these surfaces must be vegetated for a minimum of 35 feet and at a slope of less than 8%, and shall remain well vegetated and free from erosion. If concentrated flow or erosion is observed in the disconnection locations surrounding the hatched surfaces, corrective action is necessary.

Active Reforestation Areas (3): These areas, shaded in yellow, planted in accordance with notes specified in plans are restricted from disturbance and cutting, and are not to be landscaped, altered, or otherwise managed, aside from initial planting and establishment of required tree plantings.

Dry Swales (2) w/Dry Pond: Pre-treatment swales shall be free of collected sediment. Sediment to be disposed of in upland area, outside of any wetlands or wetland buffers. Dry Swales (2) shall not have standing water for longer than 48 hours after storm event. Outlets/conveyances shall be free from erosion. For specifications of each practice see plans. Dry Pond shall also dewater completely after storm event and outlets free of clogging and free of erosion, and maintained as necessary.

Catch Basins/Storm Drains: The storm drains structures located in the roadways within the development are to be cleaned of sediment with vacuum truck when 50% of capacity in the structure is lost (half the distance to pipe outlet, generally at 1 foot of sediment depth).

ANNOTATED MAINTENANCE PLAN



RESIDENTIAL
STORMWATER
SITE PLAN

404 East Main Street
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SW-1