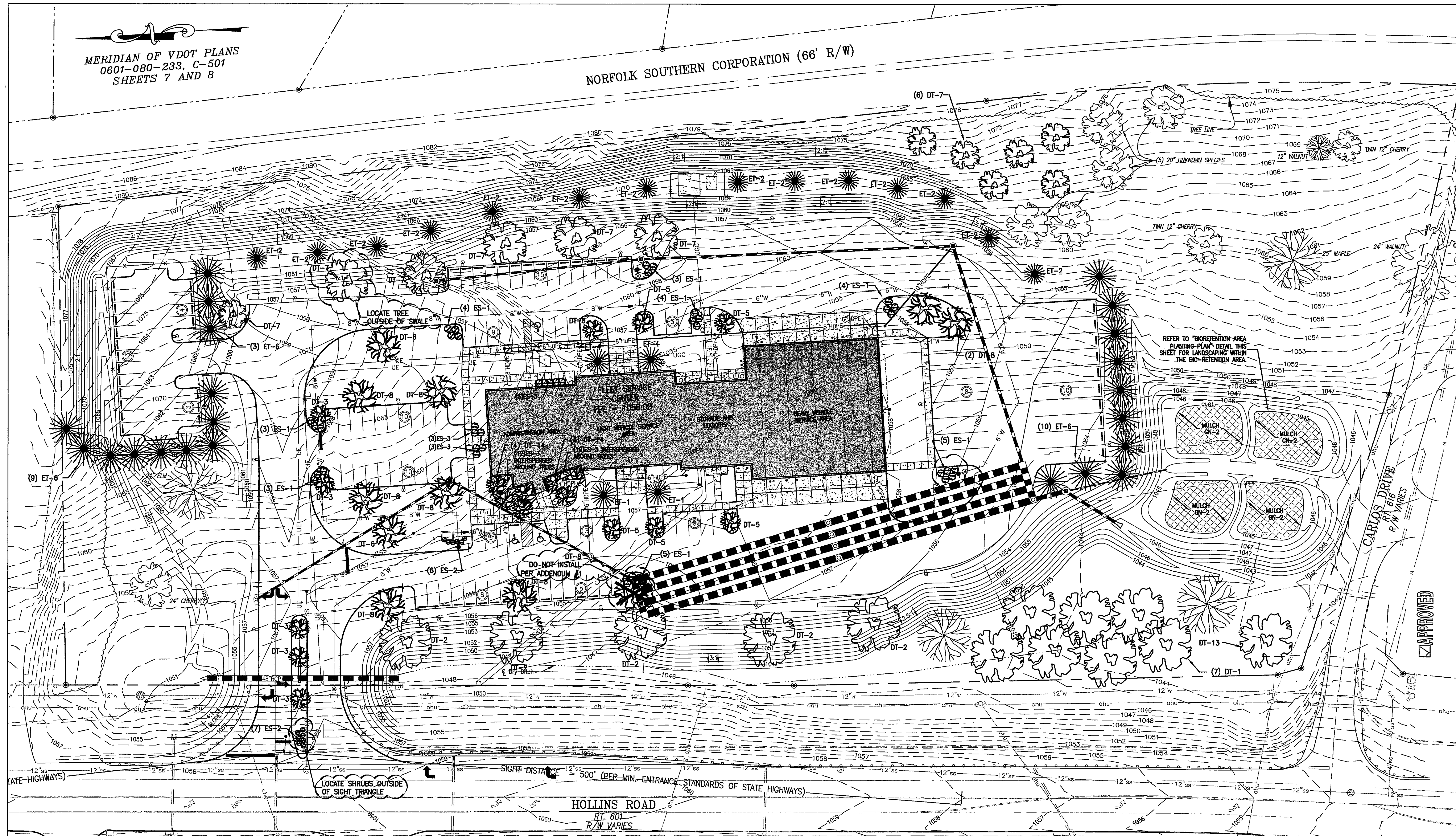
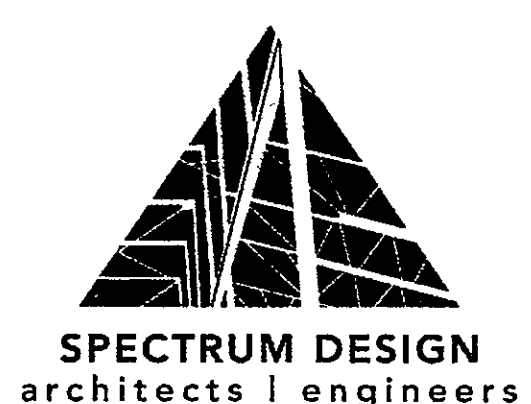




- GENERAL NOTES
1. ALL REFUSE SERVICE (DUMPSTERS/CONTAINERS) AND OUTDOOR STORAGE AREAS IN ALL ZONING DISTRICTS SHALL BE SCREENED FROM SURROUNDING VIEWS. IN ADDITION, GROUND LEVEL MECHANICAL EQUIPMENT SHALL BE SCREENED OR LANDSCAPED.
 2. SEED BIORETENTION AREAS WITH ERNST CONSERVATION SEED MIX ERNMX-122, "FACW WETLAND MEADOW MIX". SEEDING RATE = 1/3 LB. PER 1000 S.F. 1-800-873-3321 SEE BIORETENTION AREA PLANTING PLAN FOR TYPICAL TREE AND SHRUB LOCATIONS.



10 CHURCH AVE SE, PLAZA SUITE 1 ROANOKE, VIRGINIA 24011 540.342.6001
ROANOKE • MARION

FLEET SERVICE CENTER
ROANOKE COUNTY
5253 Old Hollins Rd
Roanoke, VA 24019
IFB-0898
SPECTRUM DESIGN PROJECT NO. 06118



DATE: March 23, 2008
DESIGN ARCHITECT: WWH
PROJECT ARCHITECT: WWH
CHECKED BY: MAR
DRAWN BY: MAR
REVISIONS: NUMBER 1, DATE 4/10/08
ADDENDUM #1

SHEET TITLE
LANDSCAPING PLAN

L101

BIORETENTION AREA SOIL MIX
SEE SPECIFICATION SECTION 02900 FOR ADDITIONAL INFORMATION

BIORETENTION SOIL MIX SHALL BE PRE-MIXED OR ARRANGEMENTS PROVIDED ON-SITE TO CONTROL QUALITY FOR THE FOLLOWING COMPONENTS:

1. 50% ASTM C-33 SAND (FREE OF DELETERIOUS MATERIAL).
2. 30% LEAF COMPOST (FULLY COMPOSTED, NOT PARTIALLY ROTTED LEAVES).
3. 20% TOPSOIL TYPE 2 (NO MORE THAN 5% CLAY PERMITTED) SEE SECTION 02055 - SOIL MATERIALS FOR TOPSOIL TYPE 2 REQUIREMENTS.

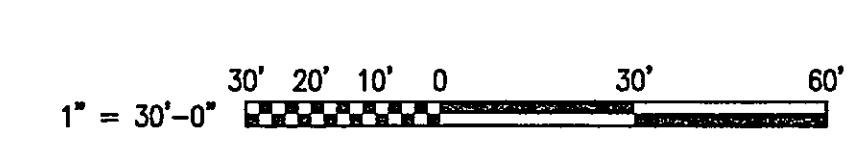
MULCH REQUIREMENTS	THICKNESS	NOTES
MULCHES SHREDDED HARDWOOD	3"	FREE OF WEEDS AND COARSE MATTER. AIR-DRIED. APPLY WITH MULCH BLOWER OR BY HAND. ON-SITE WOOD DEBRIS MAY BE USED PROVIDED IT MEETS THE REQUIREMENTS IN THIS TABLE, THE PROJECT MANUAL, AND VESCH SECTION 3.35.

PLANT SCHEDULE						
KEY	QUANTITY	SCIENTIFIC NAME	COMMON NAME	SIZE	REMARKS	CROWN COVERAGE (SF)
DT (DECIDUOUS TREES)						
DT-1	7	Platanus occidentalis	Sycamore	2.5" Cal		1250
DT-2	5	Quercus coccinea	Scarlet Oak	2" Cal		1250
DT-3	14	Lagerstroemia indica 'Natchez'	Natchez White Crepe Myrtle	7" High		250
DT-4	14	Chionanthus virginicus	White Fringetree	7" High		250
DT-5	2	Cercis canadensis	Redbud	2" Cal		250
DT-6	24	Acer rubrum 'October Glory'	October Glory Red Maple	2.5" Cal		1250
DT-7	12	Pyrus calleryana	Cleveland Pear	7" High		1250
DT-8	12	Nyssa sylvatica	Black Gum	2.5" Cal		250
DT-9	6	Betula nigra	River Birch	2.5" Cal		250
DT-10	0	Quercus rubra	Red Oak	2" Cal		1250
DT-11	1	Salix alba 'Vitellina'	Golden Willow	2.5" Cal		1250
DT-12	7	Styrax japonicus	Japanese Snowbell	7" High		1250
DT-13	1					1250
DT-14	7					1250
DT-15	7					1250
DT-16	7					1250
DT-17	7					1250
DT-18	7					1250
DT-19	7					1250
DT-20	7					1250
DT-21	7					1250
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DT-95	7					1250
DT-96	7					1250
DT-97	7					1250
DT-98	7					1250
DT-99	7					1250
DT-100	7					1250
ES (EVERGREEN TREES)						ALLOWABLE
ET-1	2	Thuja occidentalis 'Emerald'	Emerald Green Arborvitae	6" High		250
ET-2	14	X Cupressocyparis Leylandii	Leyland Cypress	7" High		500
ET-3	2	Picea pungens	Colorado Blue Spruce	7" High		500
ET-4	0	Pseudotsuga menziesii	White Pine	7" High		500
ET-5	22	Pinus strobus	White Pine	7" High		500
ES (EVERGREEN SHRUBS)						ALLOWABLE
ES-1	31	Juniperus chinensis 'Gold Coast'	Gold Coast Juniper	2" Cal		5
ES-2	13	Berberis thunbergii 'Crimson Pygmy' (Atropurpurea Nana)	Crimson Pygmy Barberry	2" Cal		5
ES-3	33	Nunomea phyllanthus 'Nick's Compact'	Nick's Compact Pfitzer Juniper	2" Cal		5
DT (DECIDUOUS SHRUBS)						ALLOWABLE
DS-1	32	Aronia melanocarpa	Black Chokeberry	3" High		5
DS-2	32	Lindera benzoin	Spicebush	3" High		5
DS-3	24	Sambucus canadensis	Black Elderberry	3" High		5
DS-4	32	Vaccinium corymbosum	Highbush Blueberry	3" High		5
EXISTING TREES						ALLOWABLE
2			24" Elm		See Note 1	4389
1			24" Cherry		See Note 1	1409
1			24" Elm		See Note 1	1261
2			24" Elm		See Note 1	1524
1			24" Elm		See Note 1	1794
1			24" Elm		See Note 1	521
5			(Unknown Species)		See Note 1	7500

Note 1: Crown Coverage of Existing Trees Measured from Orthographic Photos provided by Roanoke County.

TOTAL COVERAGE PROVIDED	614,132
TOTAL COVERAGE REQUIRED	172,559
CROWN COVERAGE PERCENT	35.45%

- LEGEND***
- LARGE DECIDUOUS TREE
 - SMALL DECIDUOUS TREE
 - EVERGREEN TREE
 - EVERGREEN SHRUB
 - MULCH BED W/METAL EDGING
- * SYMBOLS SCALED IN PLAN TO REPRESENT APPROXIMATE SPREAD AT MATURITY



BIORETENTION AREA PLANTING PLAN (TYPICAL)
SCALE: 1"=10'-0"
NOTES: SEE BASE PLANS FOR ITEMS NOT LABELED. PLANTINGS IN OPPOSITE BIORETENTION CELLS SHALL MIRROR THIS PLAN. ALTERNATE PLANT SPECIES MUST BE APPROVED BY A/E AND ROANOKE COUNTY.