

PLANTING LEGEND

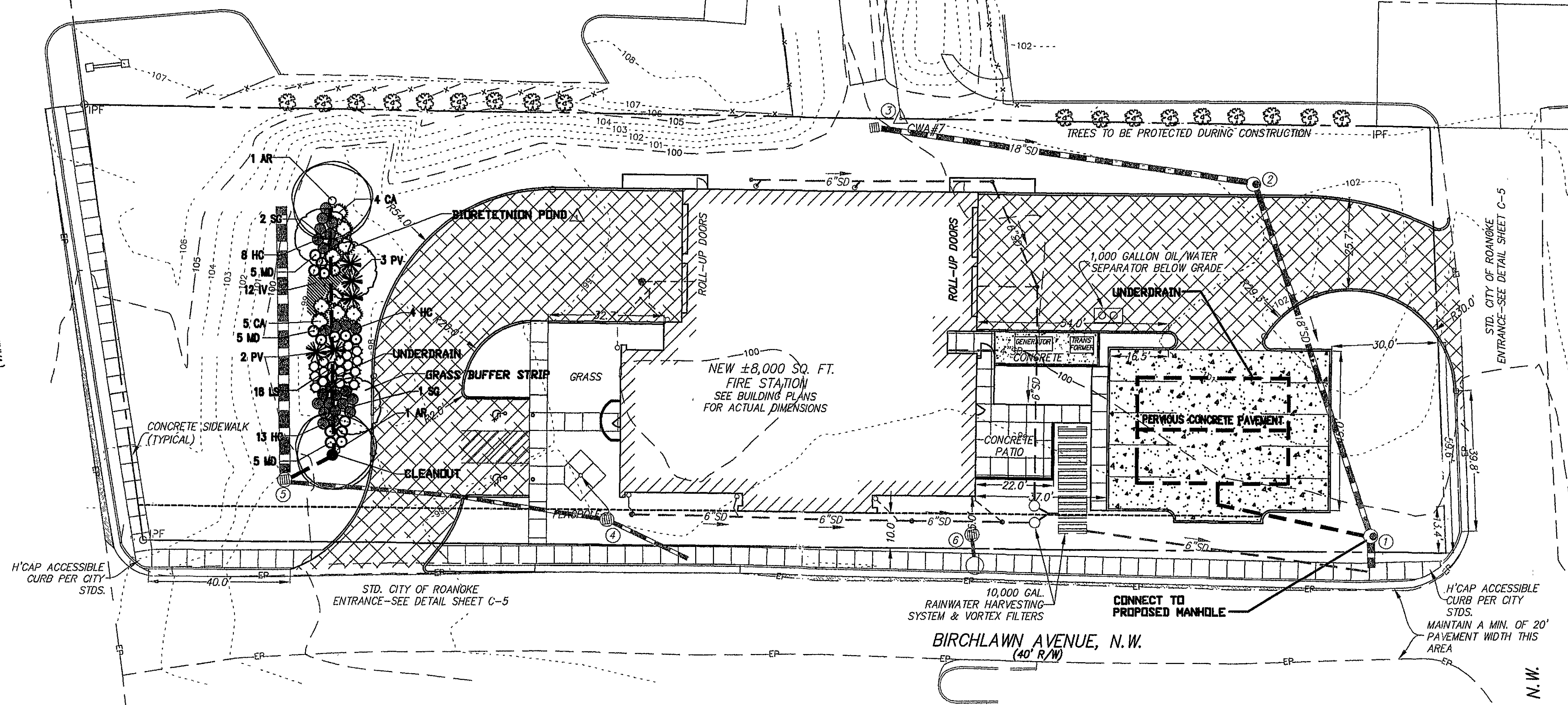
- TREE PROTECTION
- TREE PROTECTION AREA
- NEW ASPHALT
- NEW PERVIOUS CONCRETE
- PERMANENT SEEDING

WILLIAMSON ROAD, N.W.
(VARIABLE WIDTH R/W)

PROPERTY OF
THIRTY THREE EAST, INC.
D.B. 1614, PG. 1184
TAX # 2170138

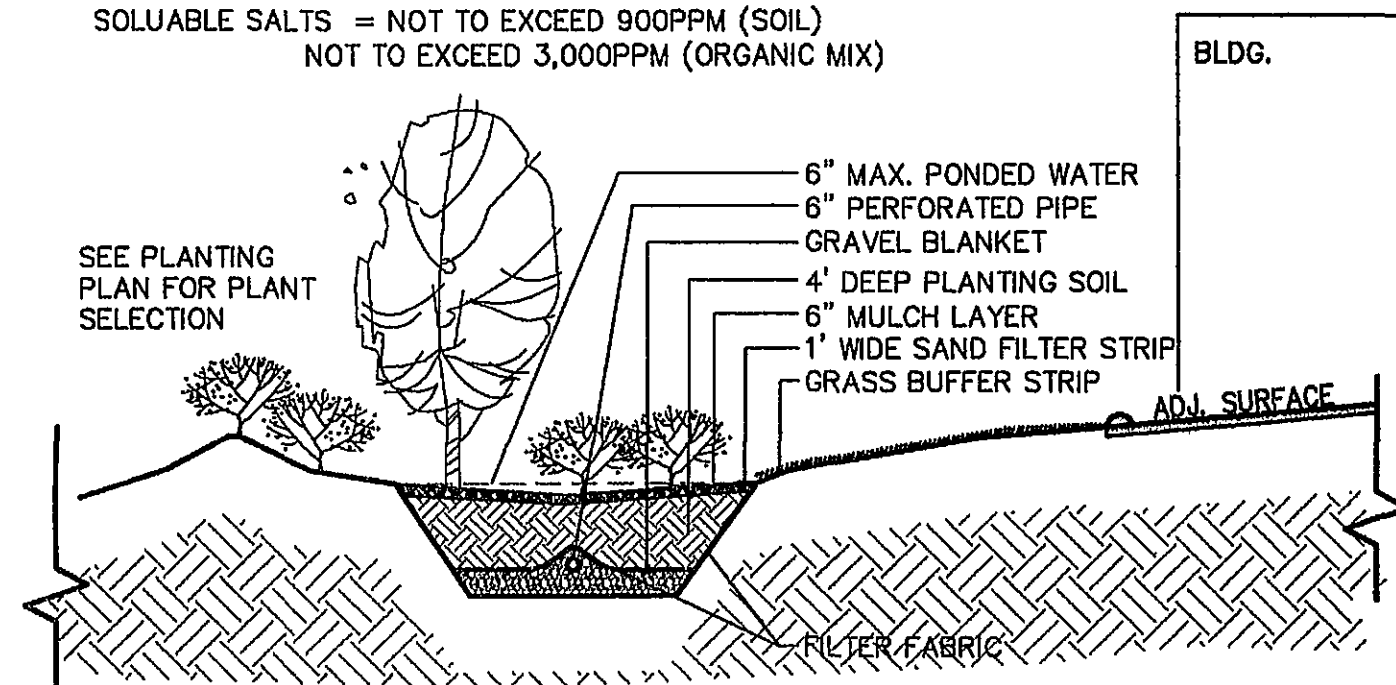
PROPERTY OF
JI QI XIAO &
MEI YU XIAO
D.B. 1614, PG. 1184
TAX # 2170137

PROPERTY OF
AFFORDABLE EFFICIENCY INNS, INC.
INSTRUMENT # 010007949
TAX # 2170143



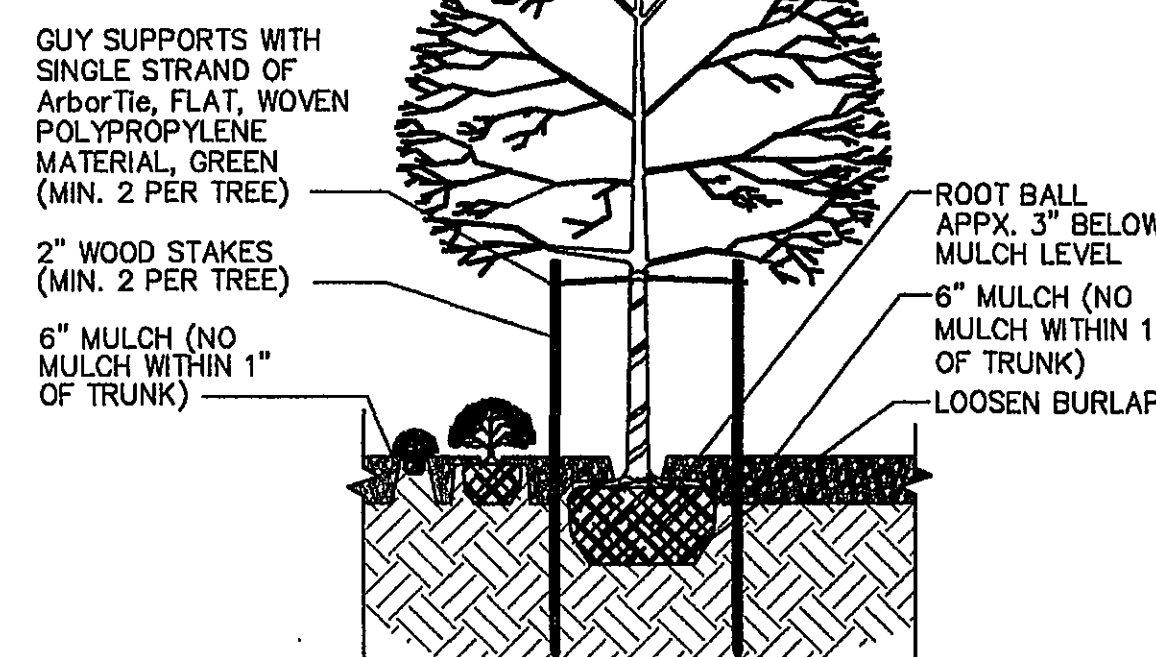
BIORETENTION NOTES:

- 1) ALL FILL SOIL IS TO MEET THE FOLLOWING CRITERIA:
pH = 5.0-7.0
ORGANIC MATTER = GREATER THAN 1.5
MAGNESIUM = 100+ UNITS
PHOSPHORUS = 150+ UNITS
POTASSIUM = 120 UNITS
SOLUBLE SALTS = NOT TO EXCEED 900PPM (SOIL)
NOT TO EXCEED 3,000PPM (ORGANIC MIX)



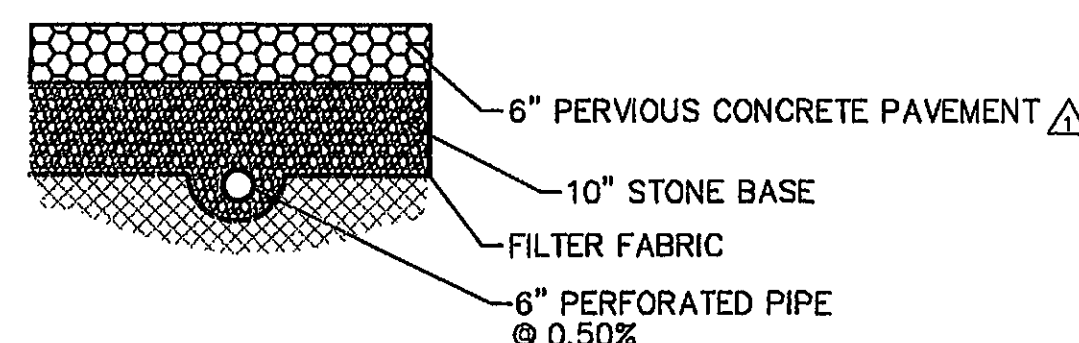
BIORETENTION POND SECTION

NTS



BIORETENTION POND PLANTING DETAIL

NTS



PERVIOUS CONCRETE PAVEMENT

NTS

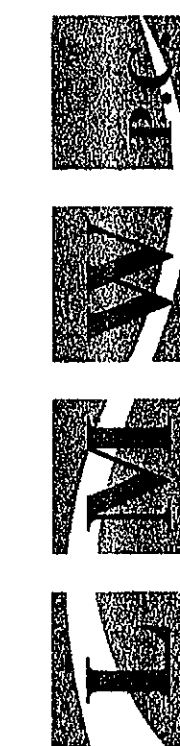
PLANTING NOTES AND SPECIFICATIONS:

1. All plant material shall conform to the sizes given in the plant schedule and nursery shall be nursery grown in accordance with the "American Standards for Nursery Stock", latest edition prepared by the American Association of Nurserymen, 230 Southern Building, Washington, D.C. 20005.
2. All dimensions shall be verified in field. Any substantial deviation from dimensions given on the drawings shall be brought to the attention of the Landscape Designer/Engineer, in writing, prior to the start of work.
3. Plant Schedule provided for convenience only. All quantities shall be verified on the plan. Report any discrepancies to the Landscape Designer/Engineer.
4. All major shrub and tree masses shall be staked in field and approved by the Landscape Designer/Engineer prior to installation.
5. Existing work of every description which may become damaged during construction shall be replaced or repaired with materials to match those previously in place. Materials shall be supplied by the Contractor at no cost to the Owner and to the satisfaction of the Landscape Designer/Engineer.
6. All plants shall be guaranteed to remain alive and healthy for a period of one full year after plant installation and acceptance. Those plants in an impaired, dead or dying condition at one full year's end shall be removed and replaced. New plants, requirements, etc. and method of placing shall comply with the requirements specified in these specifications and on the drawing. Plants replacing those after the first full year shall also be guaranteed to remain alive and healthy for one full growing season. Such replacement shall continue until each plant, as required under this contract, shall survive one full year alive and healthy. Warranty shall be limited to one replacement per plant.
7. If synthetic wrapping material is used on any rootball, remove entirely.
8. All plant beds shall be mulched with a 3" layer of mulch within 24 hours after planting. This shall be double shredded hardwood bark mulch and shall cover the planting bed entirely. The edge of the plant bed shall be constructed 3" below finish grade and finished with 3" of mulch.
9. Planting Pit Soil: Pre-mixed planting soil 'A' shall consist of 5 parts planting topsoil, 1 part composted yard waste and 1/2 lbs. plant fertilizer (as directed by manufacturer for tree planting). Pre-mixed planting soil 'B' shall consist of 3 parts planting topsoil, 1 part composted yard waste and 1/2 lbs. plant fertilizer (as directed by the manufacturer for shrub and perennial plantings).
10. Grass Seedbed Requirements: Vegetation shall not be established on slopes that are unsuitable due to inappropriate soil texture, poor internal structure or internal drainage, volume of overland flow, or excessive steepness, until measures have been taken to correct these problems.
11. Lime & Fertilizer:
LIME: For the Piedmont and Appalachian regions, 2 tons/acre pulverized agricultural grade (90 lbs./1000 sq. ft.). An agricultural grade of limestone shall be used.
FERTILIZER: For stands of mixed grasses and legumes only, 1000 lbs./acre 10-20-10 or equivalent nutrients (23 lbs./square foot). Other fertilizer formulations, including slow-release sources of nitrogen may be used provided they can supply the same amounts and proportions of plant nutrients.
12. Soil Supplement Incorporation: Lime and fertilizer shall be incorporated into the top 4"-6" of the soil by disking or other means whenever possible. For erosion control, when applying lime and fertilizer with a hydroseeder, apply to a rough loose surface.
13. Grass Seeding: Certified seed shall be used for all permanent seeding. Certified seed is inspected by the Virginia Crop Improvement Association or the certifying agency in other states. The seed must meet published state standards and bear an official "Certified Seed" label. Apply seed uniformly with a broadcast seeder, drill, culti-packer seeder or hydro-seeder on a firm, friable seedbed. Seeding depth should be 1/4" to 1/2".
14. Seed Bed Mulching: All permanent seeding shall be mulched with clean, weed-free straw immediately upon completion of seed application.
15. Seeding Irrigation: New seedlings shall be supplied with adequate moisture.
16. Permanent Seeding: Areas of permanent seeding are as shown on layout plans. New seeded areas which were formerly asphalt, concrete and/or compacted gravel surfaced shall have 6" of topsoil placed and graded prior to permanent seeding.
17. Installation of topsoil shall proceed installation of any/all plant materials.
18. Allowable planting periods for all plantings shall be March 1 - April 30 and September 1 - October 31.
19. Owner shall be responsible for acquiring, installing and finishing all planting areas unless otherwise specified.
20. Contractor shall be responsible for all fine grading, seeding and fertilizing of all disturbed areas.

MASTER PLANTING SCHEDULE

AMOUNT	QTY.	BOTANICAL NAME	COMMON NAME	COMMENTS
CA	9	CLETHRA ALNIFOLIA	PEPPERBUSH/SUMMERSWEET	15"-18" MIN. HT. & SPREAD, 3/4 CONT. @ 40" O.C.
SO	3	LIQUIDAMBAR STYRACIFLUA	SWEET GUM	60"-80" MIN. HT. (4"-5" MIN. CAL.) B&B @ 2.5' O.C.
HO	25	HYPERICUM CALYCONUM	ST. JOHN'S WORT	#1 CONT. @ 12" O.C.
IV	12	IRIS VERSICOLOR	BLUE FLAG IRIS	#1 CONT. @ 36" O.C.
LS	18	LOBELIA SPHULTICA	GREY BLUE LOBELIA	#2/4 CONT. (1 QT. APPROX.) @ 36" O.C.
MD	15	MONARDA DIDYMA	DEE BALM	#1 CONT. @ 36" O.C.
PV	5	PANICUM VIRGATUM	SWITCH GRASS	#1 CONT. @ 72" O.C.
AR	2	ACER RUBRUM	RED MAPLE	40"-70" MIN. HT. (1"-1.5" MIN. CAL.) B&B @ 5' O.C.

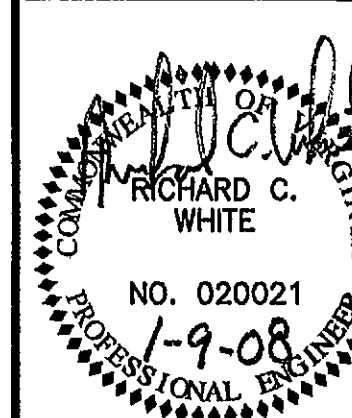
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Engineering
Architecture
Surveying
Landscape Design

date	project	designed	drawn	checked
SEP-14-2007	081770	RCW	CHW	RCW

mark	date	revisions
△	12/17/07	CHW



project
ROANOKE WILLIAMSON ROAD FIRE STATION
ABERDEEN COMMONS, HAMPTON, VIRGINIA

drawing
CITY OF ROANOKE
215 CHURCH AVE SW, ROOM 350, ROANOKE VA 24011

BIORETENTION AND PERVIOUS
PAVEMENT PLAN AND DETAILS

sheet

LS-1

of 1