

IMPROVEMENT

PROJEC

AVENUE

SHRUB

PLANTING DETAIL

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SCALE

TREE

PLANTII

NG w/

/Root

Barrier

DETAILS

NOT

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SCALE

RÎCHMOND

City Traffic Engineer
DEPARTMENT OF
RICHMOND,

PUBLIC V Virginia

DESIGN BY:
DRAWN BY:
CHECKED BY:

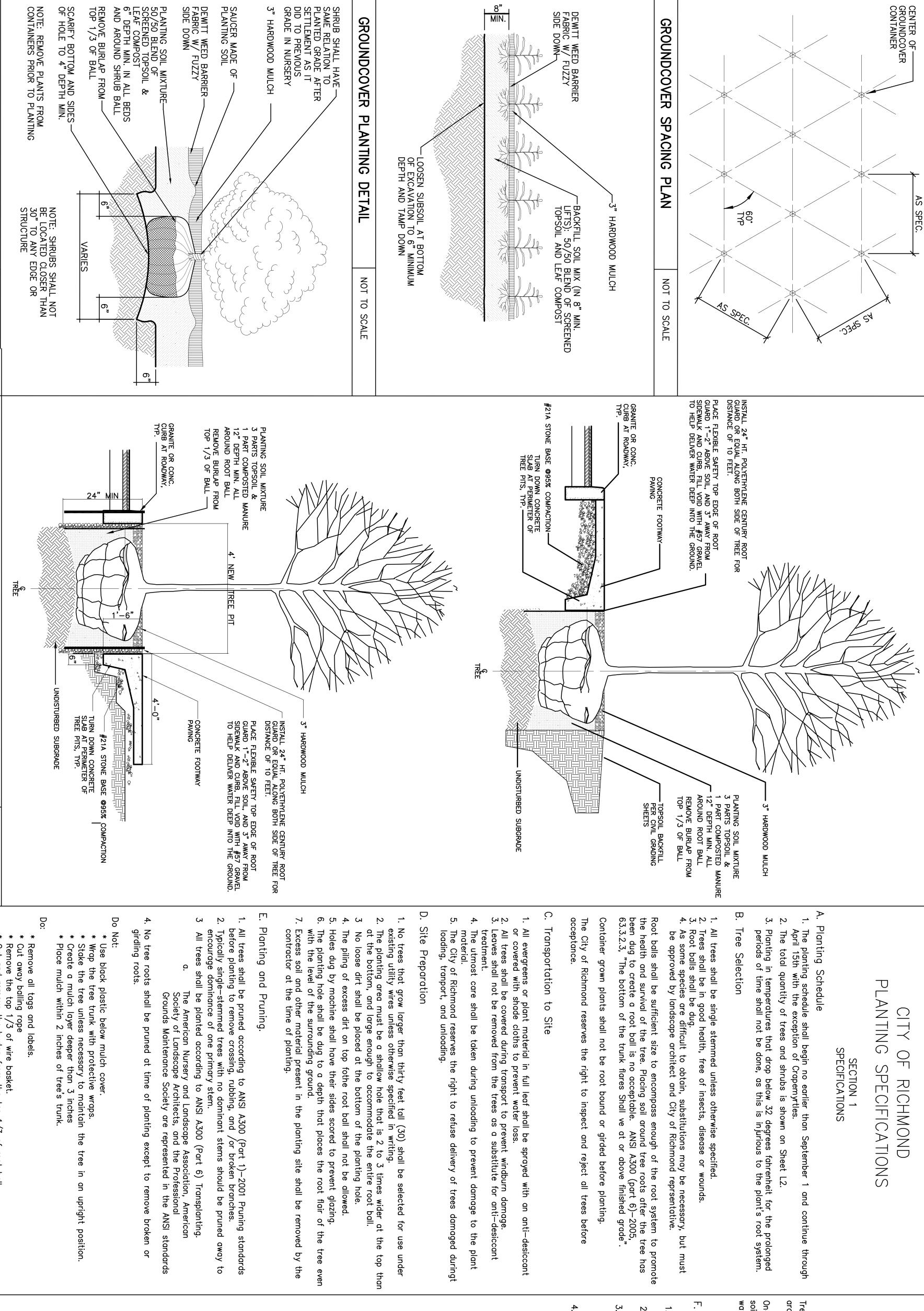
CGS SP CGS

HORIZ. 1"=25' VERT. 1"=25'

DATE 11-10-2016

LANDSCAPE PLAN

WING NO



8" MIN.

PLANTING CITY 유 SPECIFICA RICHMOND TIONS

SECTION 1 SPECIFICATIONS

- eptember 1 and continue through
- The planting schedule shall begin no earlier than September 1 and continue throug April 15th with the exception of Crapemyrtles.
 The total quantity of trees and shrubs is shown on Sheet L2.
 Planting in temperatures that drop below 32 degrees fahrenheit for the prolonged periods of time shall not be done, as this is injurious to the plant's root system.

- All trees shall be single stemmed unless otherwise specified.

 Trees shall be in good health, free of insects, disease or wounds.

 Root balls shall be dug.

 As some species are difficult to obtain, substitutions may be necessary, but must be approved by landscape architect and City of Richmond reprsentative.
- Root balls shall be sufficient size to encompass enough of the root system to promote the health and survival of the tree. Placing soil around tree roots after the tree has been dug to create a root ball is no acceptable. ANSI A300 (part 6)—2005, 63.3.2.3, "The bottom of the trunk flares Shall ve at or above finished grade".

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The City of Richmond reserves the right to inspect and reject all trees before acceptance. Container grown plants shall not be root bound or girded before planting.

Transportation to Site

- sprayed with an anti-desiccant
- All evergreens or plant material in full leaf shall be sprayed with an anti-desiccan or covered with shade cloths to prevent water loss.

 All trees shall be covered during transport to prevent windburn damage.

 Leaves shall not be removed from the trees as a substitute for anti-desiccant treatment.

 The utmost care shall be taken during unloading to prevent damage to the plant material.
- The City of Richmond reserves the right to refuse loading, tranport, and unloading. delivery of trees damaged duringt

D. Site Preparation

E. Planting and Pruning.

- All trees shall be pruned according to ANSI A300 (Part 1)—2001 Pruning standards before planting to remove crossing, rubbing, and /or broken branches.

 Typically single—stemmed trees with no dominant stems should be pruned away to encourage dominance of one primary stem.

 All trees shall be planted according to ANSI A300 (Part 6) Transplanting.

 a. The American Nursery and Landscape Association, American Society of Landscape Architects, and the Professional Grounds Maintenance Society are represented in the ANSI standards
- No tree roots shall be pruned at time of planting girdling roots. except to remove broken or

Use black plastic below mulch cover.
Wrap the tree trunk with protective wraps.
Stake the tree unless necessary to maintain
Create a mulch layer deeper than 3 inches
Place mulch within 2 inches of tree's trunk.

#

e tree in an upright position.

- * Remove all tags and labels.

 * Cut away balling rope

 * Remove the top 1/3 of wire basket.

 * Cut and remove the burlap from the top 1/3 of root ball.

Trees shall be watered in at time of planting to remove any pockets from around the root ball and allow for settling.

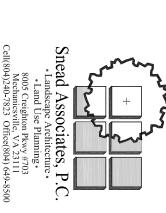
Once the soil in the planting pit has settled, back fill holes with existing soil or with a better quality of soil so that it provides a dish to allow water to be transported to the root system.

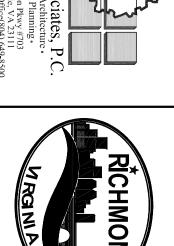
F. Maintenance and Warranty

- Unless othersise speciied all trees shall be watered, and given necessary maintenance to survive one year from time of planting. All trees shall be watered during periods where there is no appreciable rainfall.
- If stakes were used to support weak—stemmed trees, these stakes and strapping material shall be removed at the end of the One—year period. Use only slow release fertilizers e.g. Osmocote, or sulfur coated urea, or tree spikes if required.
- The vendor is required to provide a one year warranty for all trees and shrubs supplied by the vendor. Any trees or shrubs which are dead or over 50% dead at the one year anniversary of planting shall be replaced at the vendor's expense.

Director of Public Works	Deputy Director for Transportation / Public Works	Capital Project Administrator	Administrative
Director of Public Works CIP: 040-291-8950		SCAPF DFTAII	

FOREST HILL IMPROVEMENT AVENUE











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HATHAWAY ROAD

BOHAL

MATCH LINE SHEET L-3

ASPHALT

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NAG NIT		RICHMOND	*	
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AG NIT		RICHMOND	*

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Filterra

Location

Century Root Barrier (24" Ht.)

Install 10ft sections on both sides of street trees along roadway

Turf Type Tall Fescue SOD

Lime, Seed, Fertilize & Straw, All Disturbed Areas Not Designated As Sod

Double Shredded Hardwood Mulch

(Contractor to calculate quantity)

Groundcovers

10,050 | Liriope muscari 'Royal Purple'

Royal Purple Green Liriope

1 Gallon Size,

Container, 12" O.C.
Do Not Exceed 12" Spacing

227

Abelia x 'Canyon Creek'

444 Rhaphiolepis indica241 Rosa spp. 'Pink Knockout'

Indian Hawthorne
Pink Knockout Rose

5 Gallon 3 Gallon

Container, 3' O.C.
Container, 4' O.C.
Container, 6' O.C.

Canyon Creek Abelia

3 Gallon

H C B

Trees
43
43
33
34
36
Shrubs

Tilia cordata

Nyssa sylvatica

Cercis canadensis
Amelanchier arborea

Littleleaf Linden

Black Gum

Eastern Redbud

Downy Serviceberry

Nellie Stevens Holly

7'- 8' Ht. 7'- 8' Ht.

2.5" Caliper 2.5" Caliper

B & B, Specimen, Spacing as shown
B & B, Specimen, Spacing as shown
Single Stem, B&B, As Shown
Single Stem, B&B, As Shown

llex x Nellie Stevens

(Note:

Quantities Shown are for T

ANT LIST: Forest Hill Ave

Improvements

GRAVEL

CONC SN

Any Disturbed Areas Within This Sheet.

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OTAL PROJECT.

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DEPARTMENT OF PUBI RICHMOND, VIRG	City Traffic Engineer	Maniferiance prignieer
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SLIC WORKS GINIA

Drawing # 0-28520 CIP: 040-291-8950 DESIGN BY: CGS DRAWN BY: SP CHECKED BY: CGS

SCALE HORIZ. 1"=25' VERT. 1"=25' DATE 12-13-2016

LANDSCAPE PLAN

DRAWING NO.

ANDSCAPE PLAN

FOREST HILL
IMPROVEMENT

AVENUE

RICHMOND

PLANT LIST: Forest Hill Ave Improvements (Note: Quantities Shown are for This Sheet (L-3) Only)

	to calculate quantity)	(Contractor	Double Shredded Hardwood Mulch		
эаs Not Designated As Sod	v, All Disturbed Ar	Lime, Seed, Fertilize & Straw, All Disturbed Areas Not Designated As Sod	Turf Type Tall Fescue SOD	400 SY	SOD
s along roadway	on both sides of street trees along roadway	Install 10ft sections on both s	Century Root Barrier (24" Ht.)		
Do Not Exceed 12 Spacing					
Container, 12" O.C.	1 Gallon Size,	Royal Purple Green Liriope	Liriope muscari 'Royal Purple'	1900	G
			overs	Groundcovers	
Container, 6' O.C.	3 Gallon	Pink Knockout Rose	Rosa spp. 'Pink Knockout'	29	П
Container, 4' O.C.	5 Gallon	Indian Hawthorne	Rhaphiolepis indica	64	Е
Container, 3' O.C.	3 Gallon	Canyon Creek Abelia	Abelia x 'Canyon Creek'	63	D
				Shrubs	
Single Stem, B&B, As Shown	7'- 8' Ht.	Downy Serviceberry	Amelanchier arborea	6	エ
Single Stem, B&B, As Shown	7'- 8' Ht.	Eastern Redbud	Cercis canadensis	6	С
B & B, Specimen, Spacing as shown	2.5" Caliper	Black Gum	Nyssa sylvatica	12	В
B & B, Specimen, Spacing as shown	2.5" Caliper	Littleleaf Linden	Tilia cordata	9	Α
				Trees	- -

Filterra Location

MATCH LINE SHEET L-2
GRAVEL * #10.
ASPHALT
3'CONC SW 20', 06"
ASPHALT STD. UD-1
REO D.
STD. UD-1 REQ'D. BUS
NESS NESS
4'CHL (2) (112+09.28
28 3 E 18
ASPHALT 3 STORY BRICK BUSINESS NESS
STORY STORY SW
4'CHL 01 PC 113+78.55
PELLING GRAVEL 114
3'CONC SW 3'CONC SW 14 A A A A A A A A A A A A A A A A A A A
J. STORY 3'CONC SW SCON STORY 1 STORY STORY STORY
DWELLING CO. C. S. T. D. C. S.
GRAVEL 55
SWITCH SWING
4'WOOD —
5 WOOD

City Traffic Engineer

DEPARTMENT OF PUBLIC WORKS
RICHMOND, VIRGINIA Director of Public Works Drawing # 0-28520
S CIP: 040-291-8950

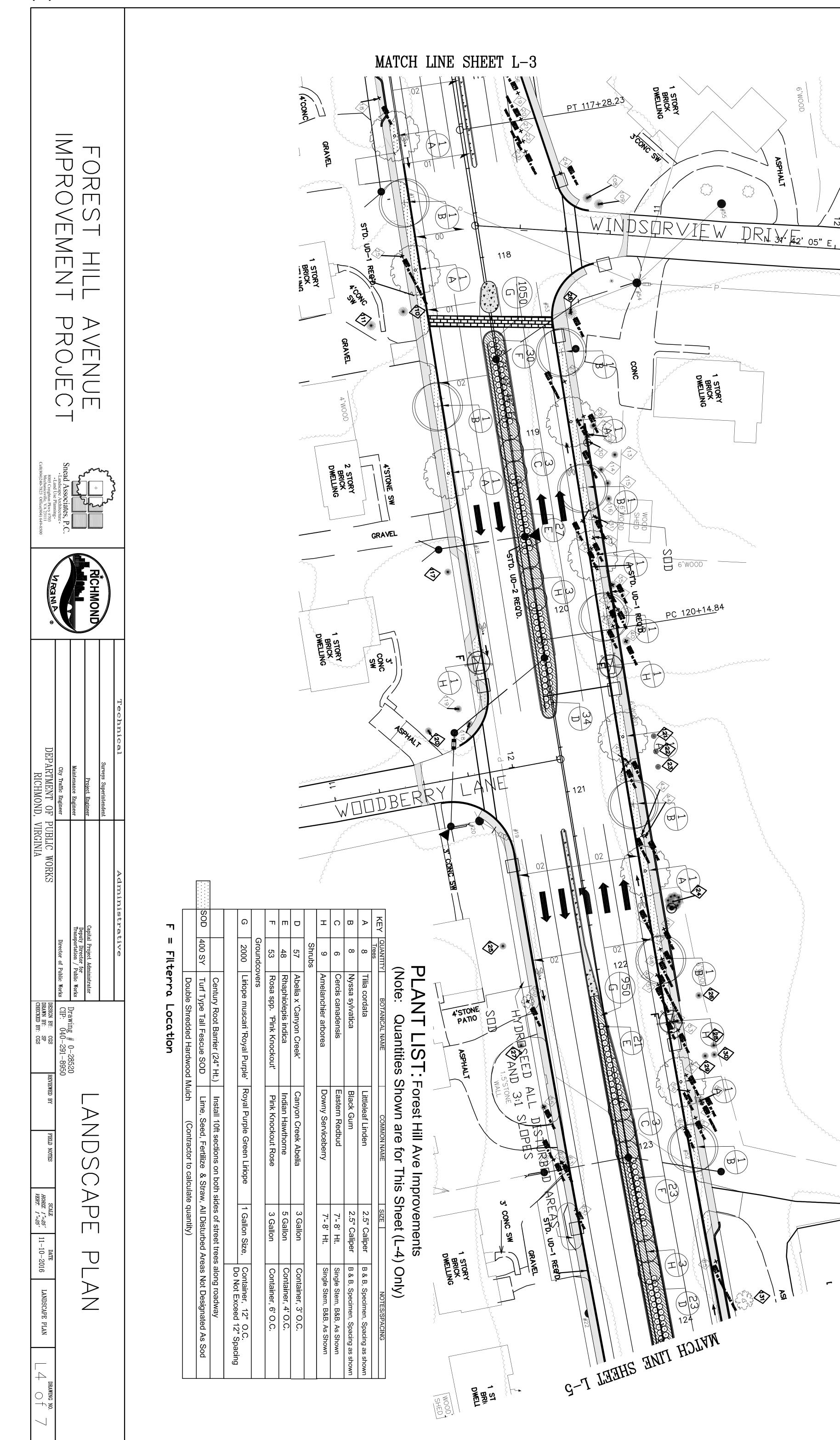
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CHECKED BY: CGS

> LANDSCAPE PLAN

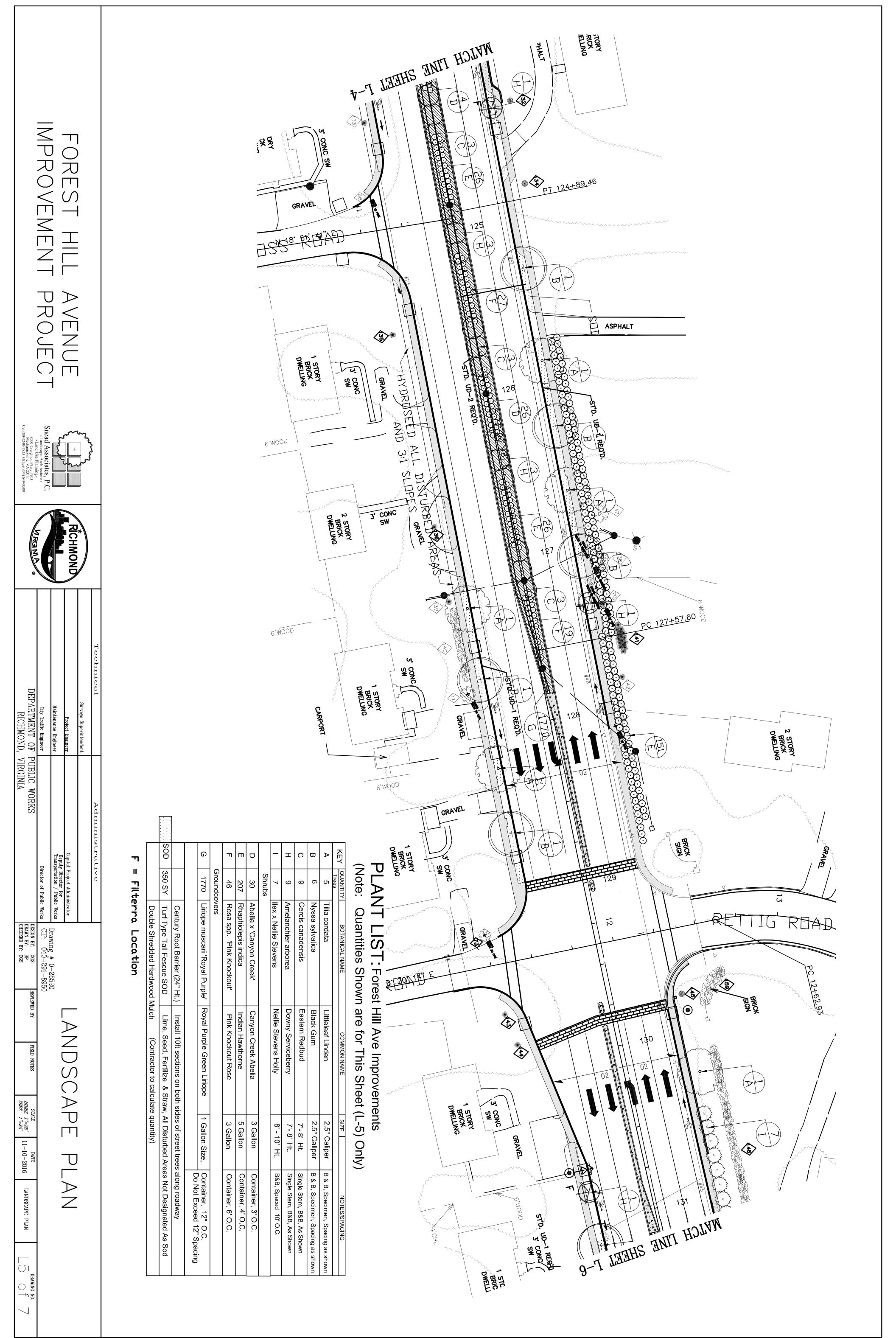
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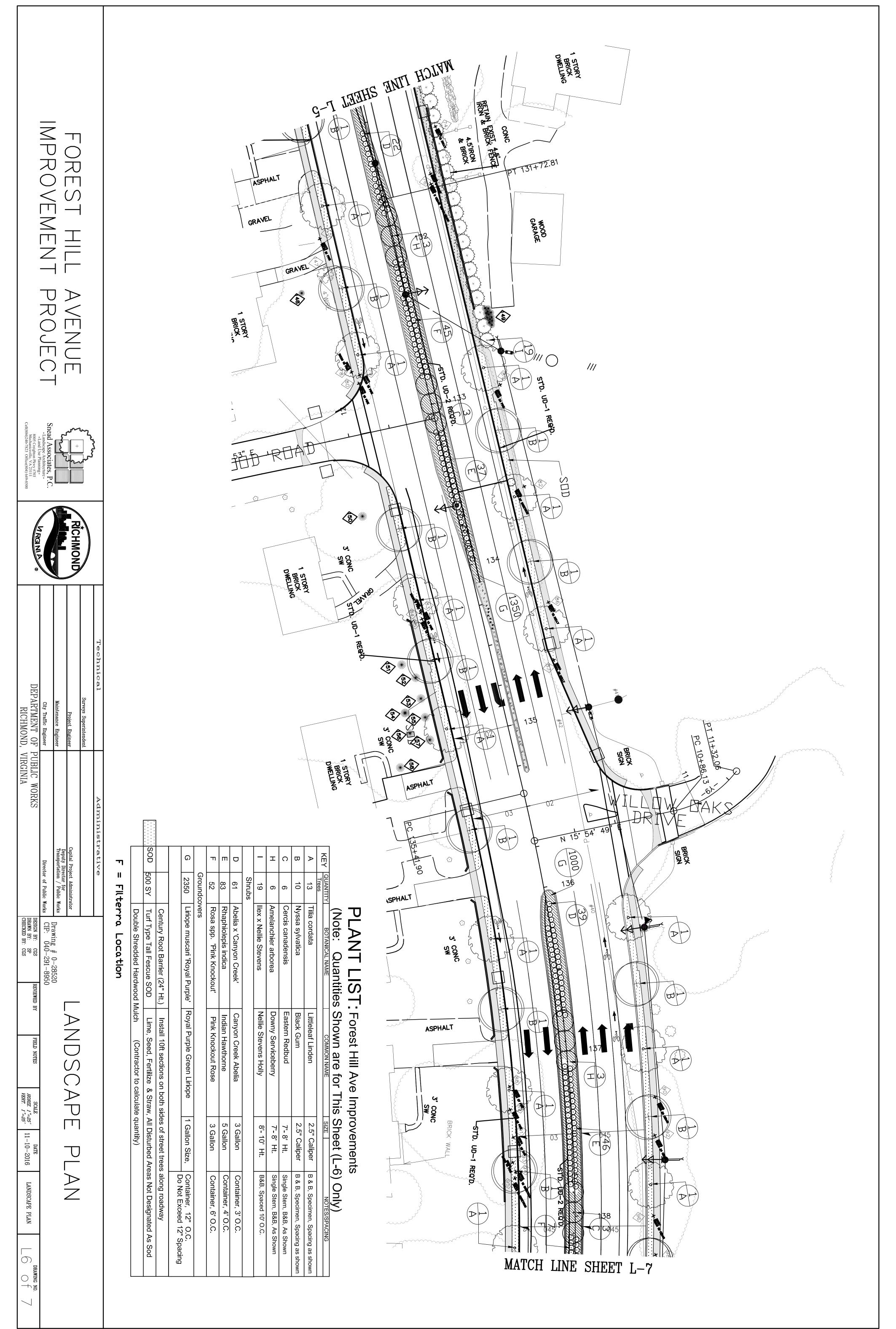
DATE 11-10-2016

117 MATCH LINE SHEET L-4



ASPHALT





FOREST HILL AVENUE IMPROVEMENT PROJECT

PLANT LIST: Forest Hill Ave Improvements (Note: Quantities Shown are for This Sheet (L-7) Only)

KEY	QUANTITY Trees	BOTANICAL NAME	COMMON NAME	SIZE	NOTES/SPACING
Þ	∞	Tilia cordata	Littleleaf Linden	2.5" Caliper	B & B, Specimen, Spacing as shown
В	7	Nyssa sylvatica	Black Gum	2.5" Caliper	B & B, Specimen, Spacing as shown
C	6	Cercis canadensis	Eastern Redbud	7'- 8' Ht.	Single Stem, B&B, As Shown
I	6	Amelanchier arborea	Downy Serviceberry	7'- 8' Ht.	Single Stem, B&B, As Shown
	Shrubs				
D	18	Abelia x 'Canyon Creek'	Canyon Creek Abelia	3 Gallon	Container, 3' O.C.
ш	47	Rhaphiolepis indica	Indian Hawthorne	5 Gallon	Container, 4' O.C.
F	61	Rosa spp. 'Pink Knockout'	Pink Knockout Rose	3 Gallon	Container, 6' O.C.
(Groundcovers	overs			
G	2030	Liriope muscari 'Royal Purple'	Royal Purple Green Liriope	1 Gallon Size,	Container, 12" O.C.
					Do Not Exceed 12 Spacing
		Century Root Barrier (24" Ht.)	Install 10ft sections on both s	tions on both sides of street trees along roadway	along roadway
SOD	250 SY	Turf Type Tall Fescue SOD	Lime, Seed, Fertilize & Strav	ι, All Disturbed Are	& Straw, All Disturbed Areas Not Designated As Sod
		Double Shredded Hardwood Mulch	fulch (Contractor to calculate quantity)	e quantity)	

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END - LIMITS OF PROJECT

| Do Not Excood 12* Spiding | Italian | Italia

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TAGNIE ®			RICHMOND	*	
DEPARTMENT OF RICHMOND,	City Traffic Engineer	Maintenance Engineer	Project Engineer	Surveys Superintendent	Technical
DF PUBLIC WORKS D. VIRGINIA	Director of Public Works	Deputy Director for Transportation / Public Works	Capital Project Administrator		Administrative
DESIGN BY: CGS DRAWN BY: SP CHECKED BY: CGS	CIP: 040-291-8950	Trawing # 0-28520			

LANDSCAPE

DATE 11-10-2016

LANDSCAPE PLAN

WING NO.