

PROJECT: Fayetteville Street, NC 751 and NC 54 Interchanges at I - 40



PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT

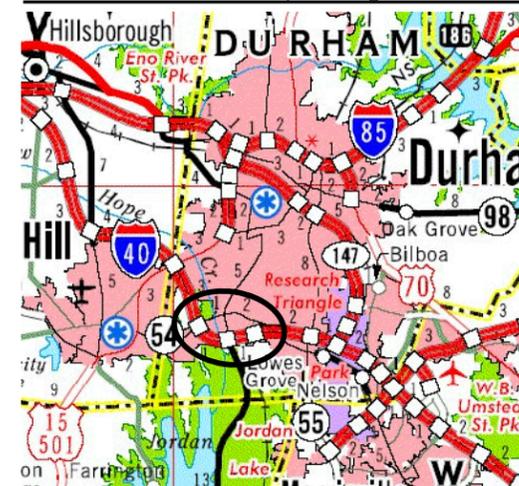


T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
I - 3306BB	34178.3.6	1	5
DESCRIPTION			DIVISION
Landscaping I-40 & Fayetteville Street, NC 751 & US 54			5

Summary of Quantities

Quan.	Key	Unit	Botanical Name	Common Name	Furnish	ASNS	Spacing
Initial Planting							
Plant Materials							
All trees to be top quality single stem/trunk with straight central leader and consistent well distributed branching unless otherwise stated.							
Shade Tree							
11	QA	EA	<i>Quercus acutissima</i>	Sawtooth Oak	2 1/2- 3" Cal. B&B	1.2.1	As Shown
15	QL	EA	<i>Quercus lyrata</i> 'Highbeam' (QLFTB'P.P#13470)	Overcup Oak	2-2 1/2" Cal.(12-14"), B&B	1.2.1	As Shown
Conifers and Broadleaf Evergreens							
18	CD	EA	<i>Cedrus deodara</i>	Deodor Cedar	8-10' B&B, Heavy N	3.2.4	As Shown
27	IEB	EA	<i>Ilex x 'Emily Bruner'</i>	Emily Bruner Holly	6-7' B&B, Heavy		As Shown
15	MG	EA	<i>Magnolia grandiflora</i>	Southern Magnolia	6-7' B&B, Heavy	1.2.2	As Shown
28	PT	EA	<i>Pinus taeda</i>	Loblolly Pine	6-7' B&B, Heavy		As Shown
22	TGG	EA	<i>Thuja x plicata</i> 'Green Giant'	Western Red Cedar	6-7' B&B, Heavy		As Shown
Ornamental Trees							
99	LN	EA	<i>Lagerstroemia x 'Natchez'</i>	Crape Myrtle	6-8' B&B, Multi-Stemmed	3.2.2.4	As Shown
Shrubs							
1,060	LC	EA	<i>Loropetalum chinensis</i> v.r. 'Chang's Ruby'	Chinese Fringe Flower	18-24", #3 Cont.		5' O.C.
Bulbs/Combs/Tubers/Herbaceous Perennials/Ornamental Grasses/Groundcovers/Vines							
7,465	HMT	EA	<i>Hemerocallis 'Mary Todd'</i>	Davilly	Min. 2 Fan BR	12.2.3	2' O.C.
Other Items							
8,294		SY		Post-Emergence Herbicidal Treatment for Plant Beds			
8,294		SY		Pre-Emergence Herbicidal Treatment for Plant Beds			
1,442		CY		Soil Amendment			
933		CY		Mulch for Planting			
18		M/G		Water for Planting			
3.6		Acre		Seeding and Mulching			
2,280		Pound		Seed for Supplemental Seeding			
7.7		Ton		Fertilizer Topdressing			
Replacement Planting							
Plant Materials							
All trees to be top quality single stem/trunk with straight central leader and consistent well distributed branching unless otherwise stated.							
Shade Tree							
1	QA	EA	<i>Quercus acutissima</i>	Sawtooth Oak	2 1/2- 3" Cal. B&B	1.2.1	As Shown
2	QL	EA	<i>Quercus lyrata</i> 'Highbeam' (QLFTB'P.P#13470)	Overcup Oak	2-2 1/2" Cal.(12-14"), B&B	1.2.1	As Shown
Conifers and Broadleaf Evergreens							
2	CD	EA	<i>Cedrus deodara</i>	Deodor Cedar	8-10' B&B, Heavy N	3.2.4	As Shown
3	IEB	EA	<i>Ilex x 'Emily Bruner'</i>	Emily Bruner Holly	6-7' B&B, Heavy		As Shown
2	MG	EA	<i>Magnolia grandiflora</i>	Southern Magnolia	6-7' B&B, Heavy	1.2.2	As Shown
3	PT	EA	<i>Pinus taeda</i>	Loblolly Pine	6-7' B&B, Heavy		As Shown
2	TGG	EA	<i>Thuja x plicata</i> 'Green Giant'	Western Red Cedar	6-7' B&B, Heavy		As Shown
Ornamental Trees							
10	LN	EA	<i>Lagerstroemia x 'Natchez'</i>	Crape Myrtle	6-8' B&B, Multi-Stemmed	3.2.2.4	As Shown
Shrubs							
106	LC	EA	<i>Loropetalum chinensis</i> v.r. 'Chang's Ruby'	Chinese Fringe Flower	18-24", #3 Cont.		5' O.C.
Bulbs/Combs/Tubers/Herbaceous Perennials/Ornamental Grasses/Groundcovers/Vines							
747	HMT	EA	<i>Hemerocallis 'Mary Todd'</i>	Davilly	Min. 2 Fan BR	12.2.3	2' O.C.
Other Items							
76		CY		Mulch for Replacement Planting			
2		M/G		Water for Replacement Planting			
Warranty Period							
Warranty Pay Items							
7		Cycle		Monthly Warranty Work			
233		CY		Mulch for Warranty			
36		M/G		Water for Warranty			

Vicinity Map



CONVENTIONAL SYMBOLS

County Line	-----
City or Town Line	-----
Exist. Right of Way Line Marker	-----▲-----
Prop. Right of Way Line Marker (By Others)	-----▲-----
Prop. Right of Way Line Marker (By Contract)	-----▲-----
Exist. Control of Access Line	-----○-----
Prop. Control of Access Line	-----○-----
Property Line	-----
Easement Line	-----
Slope Stake Line	-----
Exist. Fence	-----
Prop. Woven Wire Fence	-----
Prop. Chain Link Fence	-----
Exist. Road	-----
Prop. Road	-----
Guardrail	-----
Survey Line	-----
Denotes Line Equality	-----
Bridge	-----
Culvert	-----
Railroad	-----
Woods	-----
Exist. Telephone Pole	-----
Prop. Telephone Pole	-----
Tower Pole and Line	-----
Exist. Power Pole	-----
Prop. Power Pole	-----
Sanitary Sewer Line	-----
Water Line	-----
Gas Line	-----
Picnic Shelter	-----
Regeneration	-----
Reforestation	-----

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- 1... Title, Description and Summary of Quantities
 - 2... Planting Details
 - 3... Planting Plan (Fay. St.)
 - 4... Planting Plan (NC 751)
 - 5... Planting Plan (NC 54)

PREPARED BY:	CSM
PRELIMINARY DESIGN DATE:	Sept. 21, 2011
REVISION DATE:	Dec. 1, 2011
FINAL DESIGN DATE:	Feb. 21, 2012
2004 American Standard for Nursery Stock	
2012 NCDOT STANDARD SPECIFICATIONS	

HIGHWAY DIVISION 5
 2612 N. Duke Street Durham, NC 27704
 Division Eng. - J. Wally Bowman, PE (919)220-4600
 Roadside Environmental Department
 RE Office Eng. - Alyson W. Tamer (919)816-9290

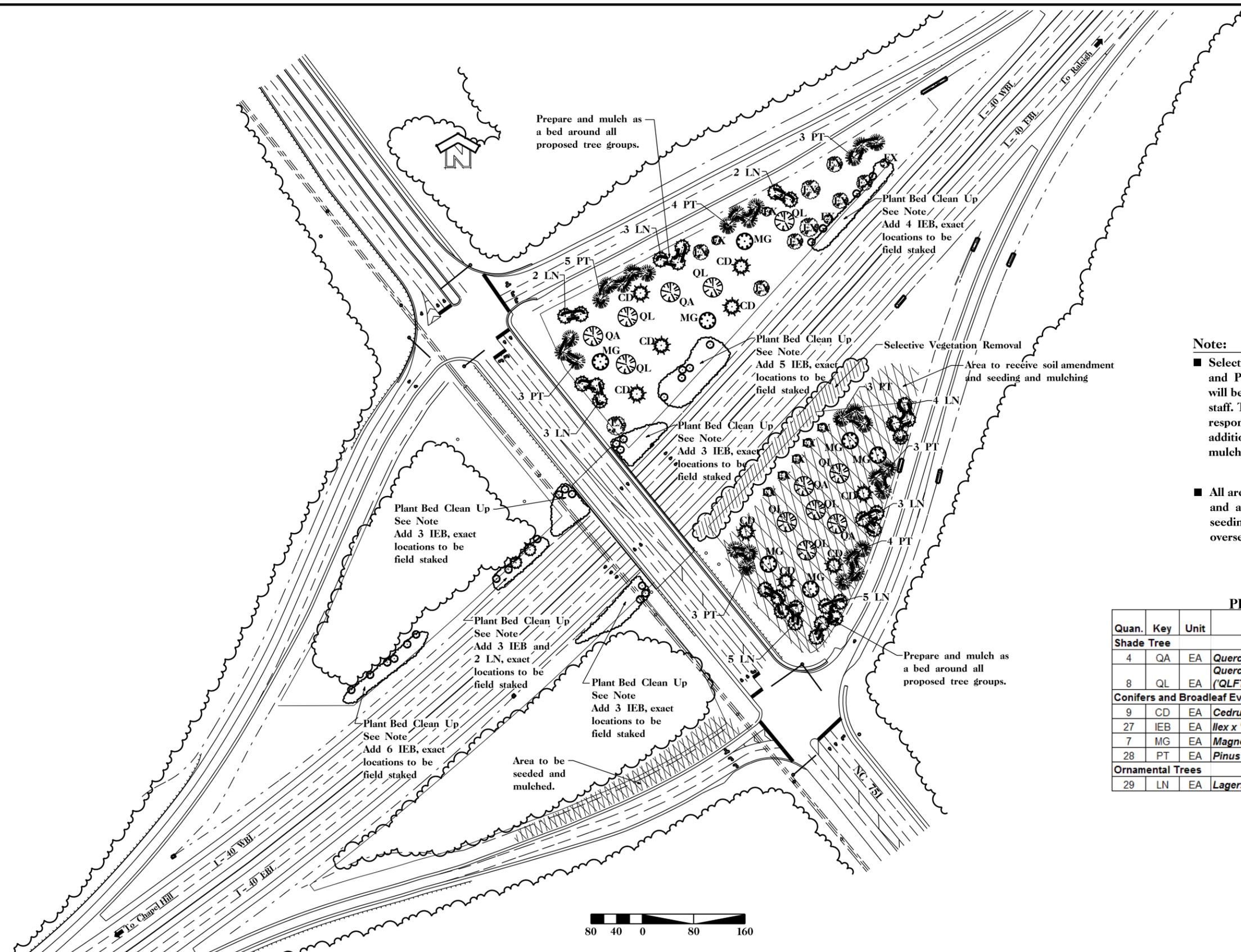
PLANS PREPARED IN THE OFFICE OF:
 NCDOT- ROADSIDE ENVIRONMENTAL UNIT
 Landscape Design & Development Section
 1557 Mail Service Center
 Raleigh NC 27699 919-707-2920



STATE OF
NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION

LOCATION: Fayetteville St., NC 751 & NC 54 Interchanges at I-40, Durham
 TYPE of WORK: Landscape Planting
 COUNTY: Durham County

SHEET
 1
 of
 5



- Note:**
- Selective Vegetation Removal and Plant Bed Clean Up will be performed by NCDOT staff. The contractor will be responsible for planting the additional specified species and mulching the individual plants.
 - All areas that are turf grass and are not to receive seeding and mulching shall be overseeded and topdressed.

PLANT LIST

Quan.	Key	Unit	Botanical Name	Common Name
Shade Tree				
4	QA	EA	<i>Quercus acutissima</i>	Sawtooth Oak
8	QL	EA	<i>Quercus lyrata</i> 'Highbeam' ('QLFTB' P.P#13470)	Overcup Oak
Conifers and Broadleaf Evergreens				
9	CD	EA	<i>Cedrus deodara</i>	Deodor Cedar
27	IEB	EA	<i>Ilex x 'Emily Bruner'</i>	Emily Bruner Holly
7	MG	EA	<i>Magnolia grandiflora</i>	Southern Magnolia
28	PT	EA	<i>Pinus taeda</i>	Loblolly Pine
Ornamental Trees				
29	LN	EA	<i>Lagerstroemia x 'Natchez'</i>	Crape Myrtle



**NCDOT - Roadside Environmental Unit
Landscape Design & Development**
1557 Mail Service Center Raleigh NC 27699-1557
ph: 919-707-2920 fax: 919-733-9810
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

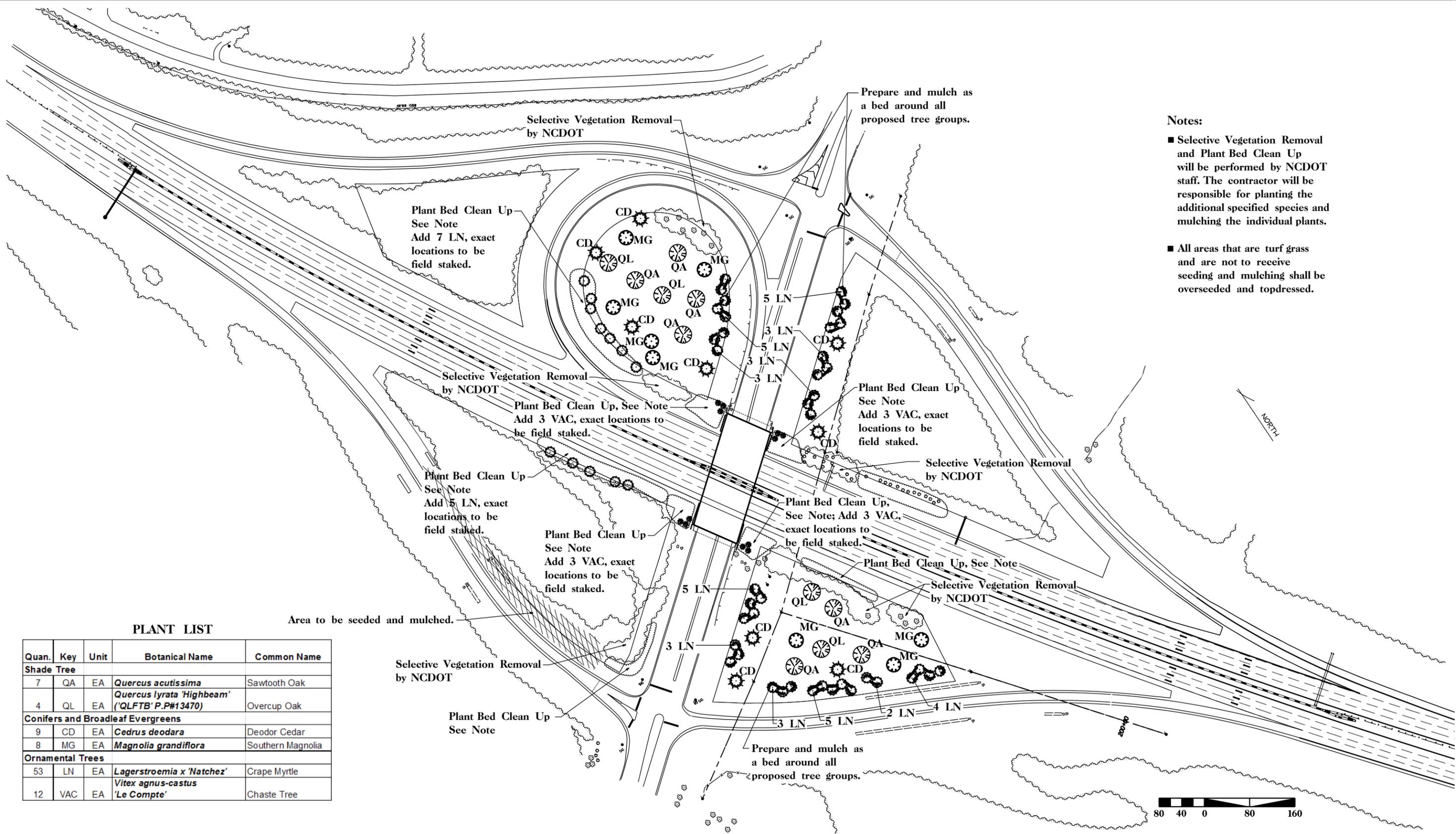
**I - 40 Durham County
Landscape Development**
WBS NO.: 34178.3.6



TIP NO.: **I - 3306BB**
PRELIMINARY DESIGN DATE: **Sept. 21, 2010** REVISIONS: **Dec. 1, 2011**
FINAL DESIGN DATE: **Feb. 21, 2012**

I - 40 Landscape Development
NC 751 Interchange
Planting Plan

SHEET NO.: **4**
TOTAL SHEET NO.: **5**



Notes:

- Selective Vegetation Removal and Plant Bed Clean Up will be performed by NCDOT staff. The contractor will be responsible for planting the additional specified species and mulching the individual plants.
- All areas that are turf grass and are not to receive seeding and mulching shall be overseeded and topdressed.

PLANT LIST

Quan.	Key	Unit	Botanical Name	Common Name
Shade Tree				
7	QA	EA	<i>Quercus acutissima</i>	Sawtooth Oak
4	QL	EA	<i>Quercus lyrata</i> 'Highbeam' (<i>QLFTB</i> P.P.#13470)	Overcup Oak
Conifers and Broadleaf Evergreens				
9	CD	EA	<i>Cedrus deodara</i>	Deodor Cedar
8	MG	EA	<i>Magnolia grandiflora</i>	Southern Magnolia
Ornamental Trees				
53	LN	EA	<i>Lagerstroemia x 'Natchez'</i>	Crape Myrtle
12	VAC	EA	<i>Vitex agnus-castus</i> 'Le Compte'	Chaste Tree

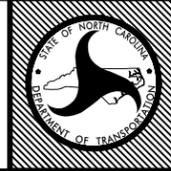
Area to be seeded and mulched.



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**I - 40 Durham County
Landscape Development**

WBS NO.: 34178.3.6



TIP NO.:	I - 3306BB	
PRELIMINARY DESIGN DATE:	REVISIONS:	
Sept. 15, 2010	Dec. 1, 2011	
FINAL DESIGN DATE:	REVISIONS:	
Feb. 21, 2012		

SHEET DESCRIPTION	I - 40 Landscape Development	SHEET NO.:	5
	NC 54 Interchange	TOTAL SHEET NO.:	5
	Planting Plan		



PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



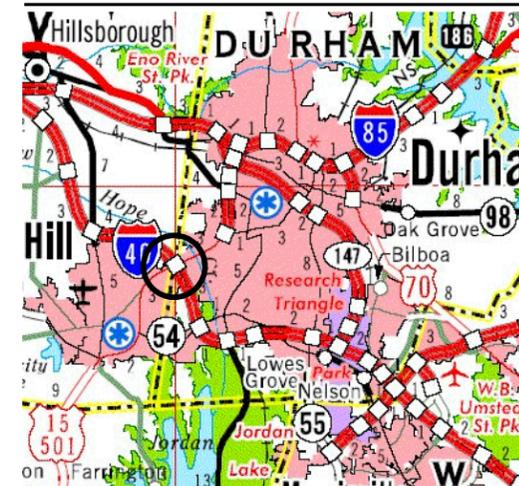
T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
B-3450, U-4012 & U-4009	33070.3.2 35010.3.2	1	4
DESCRIPTION			DIVISION
Landscaping US 15/501 & I-40			5

PROJECT: US 15 /501 Median and Interchange with I - 40

Summary of Quantities

Initial Planting						
Plant Materials						
Quan.	Key	UnIt	Botanical Name	Common Name	Furnish	ASIS Spacing
All trees to be top quality single stem/trunk with straight central leader and consistent well distributed branching unless otherwise stated.						
Shade Tree						
4	QA	EA	<i>Quercus acutissima</i>	Sawtooth Oak	2 1/2- 3" Cal., B&B	1.2.1 As Shown
1	QL	EA	<i>Quercus lyrata</i> 'Highbeam' (QLFTB' P.#13470)	Overcup Oak	2-2 1/2" Cal.(12-14"), B&B	1.2.1 As Shown
Conifers and Broadleaf Evergreens						
15	CD	EA	<i>Cedrus deodara</i>	Deodor Cedar	8-10', B&B, Heavy	3.2.4 As Shown
10	MG	EA	<i>Magnolia grandiflora</i>	Southern Magnolia	6-7", B&B, Heavy	1.2.2 As Shown
Ornamental Trees						
46	UN	EA	<i>Lagerstroemia x 'Hatche'</i>	Crape Myrtle	6-8', B&B, Multi-Stemmed	1.3.2.2.2 As Shown
18	MV	EA	<i>Magnolia virginiana</i> 'Jim Wilson' P#12065	Moonglow Sweetbay Magnolia	6-8', B&B, Matched (Prefer Sgl Trunk)	1.2.3 As Shown
49	PY	EA	<i>Prunus x yedoensis</i> 'Yoshino'	Yoshino Cherry	2-2 1/2" Cal., B&B	1.2.3. As Shown
12	VAC	EA	<i>Vitex agnus-castus</i> 'Le Compte'	Chaste Tree	4-5', B&B	1.3.1 As Shown
Other Items						
Quan.	UnIt	Description				
3,329	SY	Post-Emergence Herbicidal Treatment for Plant Beds				
4,780	SY	Pre-Emergence Herbicidal Treatment for Plant Beds				
539	CY	Mulch for Planting				
3	M/G	Water for Planting				
1,451	SY	Plant Bed Clean-up				
2,782	SY	Plant Bed Renovation				
1.7	Acre	Seeding and Mulkng				
561	Pound	Seed for Supplemental Seeding				
1.9	Ton	Fertilizer Topdressing				
Replacement Planting						
Plant Materials						
Quan.	Key	UnIt	Botanical Name	Common Name	Furnish	ASIS Spacing
All trees to be top quality single stem/trunk with straight central leader and consistent well distributed branching unless otherwise stated.						
Shade Tree						
1	QA	EA	<i>Quercus acutissima</i>	Sawtooth Oak	2 1/2- 3" Cal., B&B	1.2.1 As Shown
1	QL	EA	<i>Quercus lyrata</i> 'Highbeam' (QLFTB' P.#13470)	Overcup Oak	2-2 1/2" Cal.(12-14"), B&B	1.2.1 As Shown
Conifers and Broadleaf Evergreens						
2	CD	EA	<i>Cedrus deodara</i>	Deodor Cedar	8-10', B&B, Heavy	3.2.4 As Shown
1	MG	EA	<i>Magnolia grandiflora</i>	Southern Magnolia	6-7", B&B, Heavy	1.2.2 As Shown
Ornamental Trees						
5	UN	EA	<i>Lagerstroemia x 'Hatche'</i>	Crape Myrtle	6-8', B&B, Multi-Stemmed	1.3.2.2.2 As Shown
2	MV	EA	<i>Magnolia virginiana</i> 'Jim Wilson' P#12065	Moonglow Sweetbay Magnolia	6-8', B&B, Matched (Prefer Sgl Trunk)	1.2.3 As Shown
5	PY	EA	<i>Prunus x yedoensis</i> 'Yoshino'	Yoshino Cherry	2-2 1/2" Cal., B&B	1.2.3. As Shown
1	VAC	EA	<i>Vitex agnus-castus</i> 'Le Compte'	Chaste Tree	4-5', B&B	1.3.1 As Shown
Other Items						
Quan.	UnIt	Description				
4	CY	Mulch for Replacement Planting				
1	M/G	Water for Replacement Planting				
Warranty Period						
Warranty Pay Items						
Quan.	UnIt	Description				
7	Cycle	Monthly Warranty Work				
135	CY	Mulch for Warranty				
5	M/G	Water for Warranty				

Vicinity Map



CONVENTIONAL SYMBOLS

County Line	-----
City or Town Line	-----
Exist. Right of Way Line Marker	-----▲-----
Prop. Right of Way Line Marker (By Others)	-----▲-----
Prop Right of Way Line Marker (By Contract)	-----▲-----
Exist. Control of Access Line	-----○-----
Prop. Control of Access Line	-----○-----
Property Line	-----
Easement Line	-----
Slope Stake Line	-----
Exist. Fence	-----
Prop. Woven Wire Fence	-----
Prop. Chain Link Fence	-----
Exist. Road	-----
Prop. Road	-----
Guardrail	-----
Survey Line	-----
Denotes Line Equality	-----
Bridge	-----
Culvert	-----
Railroad	-----
Woods	-----
Exist. Telephone Pole	-----
Prop. Telephone Pole	-----
Tower Pole and Line	-----
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Sanitary Sewer Line	-----
Water Line	-----
Gas Line	-----
Picnic Shelter	-----
Regeneration	-----
Reforestation	-----

INDEX OF L SHEETS:

- 1... Title, Description and Summary of Quantities
- 2... Planting Details
- 3... Interchange Planting Plan
- 4... Median Planting Plan

PREPARED BY:	CSM
PRELIMINARY DESIGN DATE:	Sept. 21, 2011
REVISION DATE:	Dec. 1, 2011
FINAL DESIGN DATE:	Feb. 21, 2012
2004 American Standard for Nursery Stock	
2012 NCDOT STANDARD SPECIFICATIONS	

HIGHWAY DIVISION 5
2612 N. Duke Street Durham, NC 27704
Division Eng. - J. Wally Bowman, PE (919)220-4600
Roadside Environmental Department
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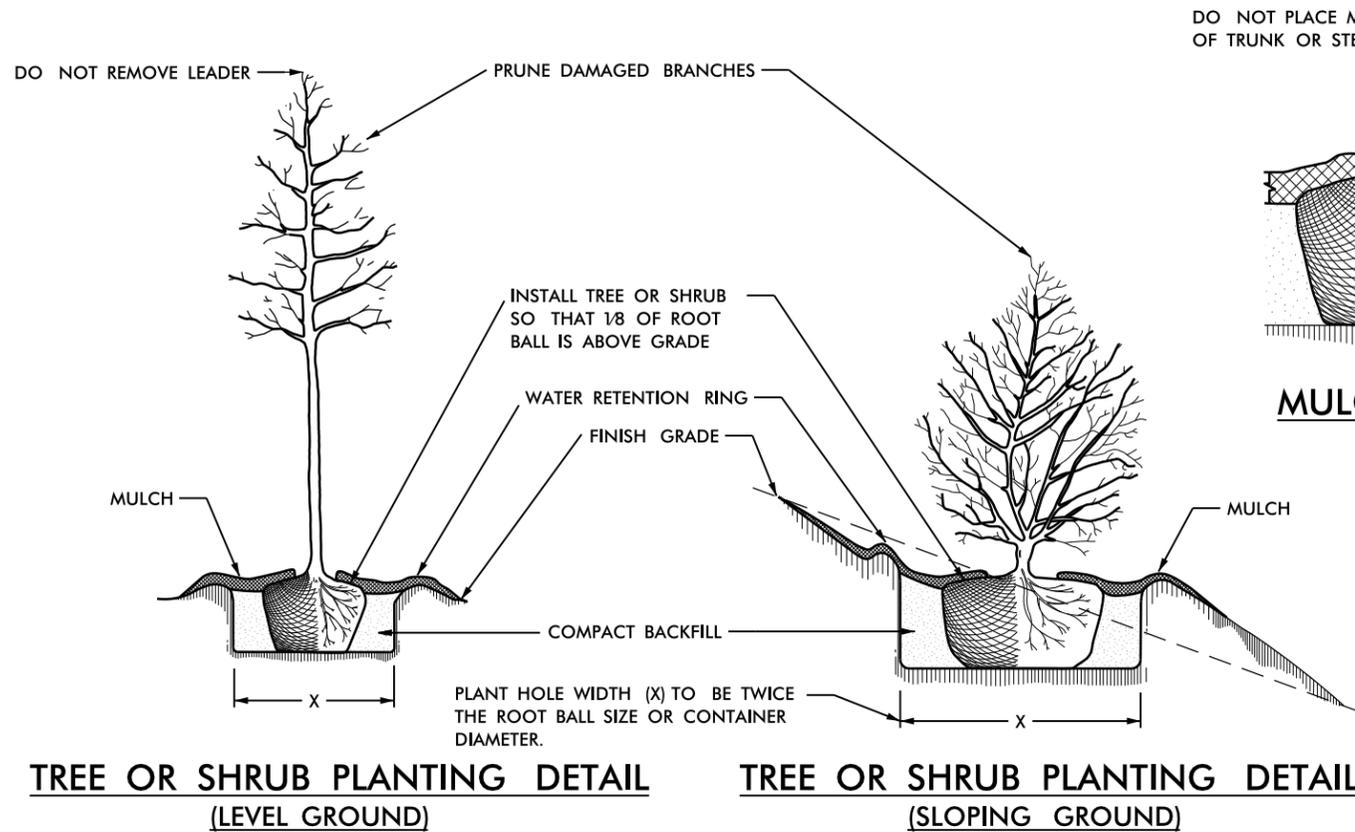
PLANS PREPARED IN THE OFFICE OF:
NCDOT- ROADSIDE ENVIRONMENTAL UNIT
Landscape Design & Development Section
1557 Mail Service Center
Raleigh NC 27699 919-707-2920



STATE OF
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

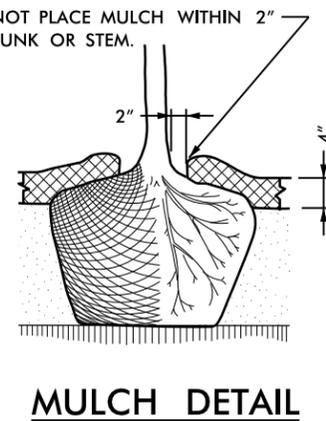
LOCATION:	US 15 /501 & I-40, Durham
TYPE of WORK:	Landscape Planting
COUNTY:	Durham County

SHEET
1
of
4

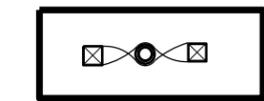
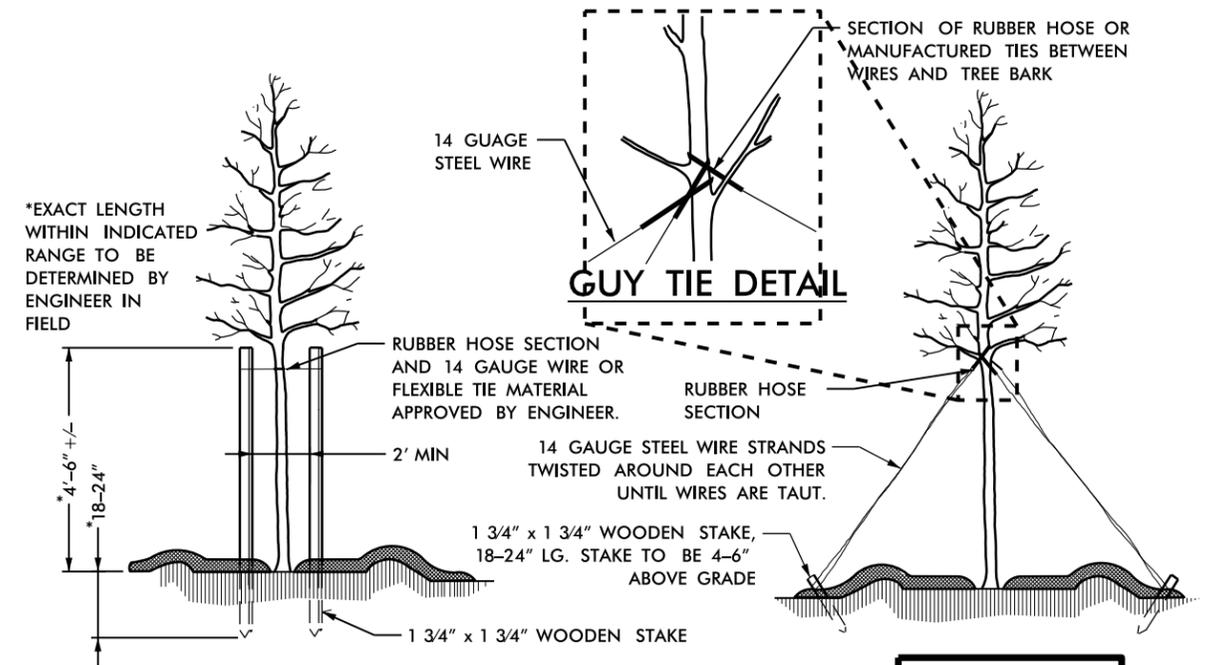


TREE OR SHRUB PLANTING DETAIL
(LEVEL GROUND)

TREE OR SHRUB PLANTING DETAIL
(SLOPING GROUND)

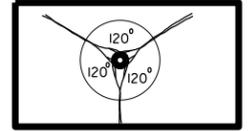


MULCH DETAIL



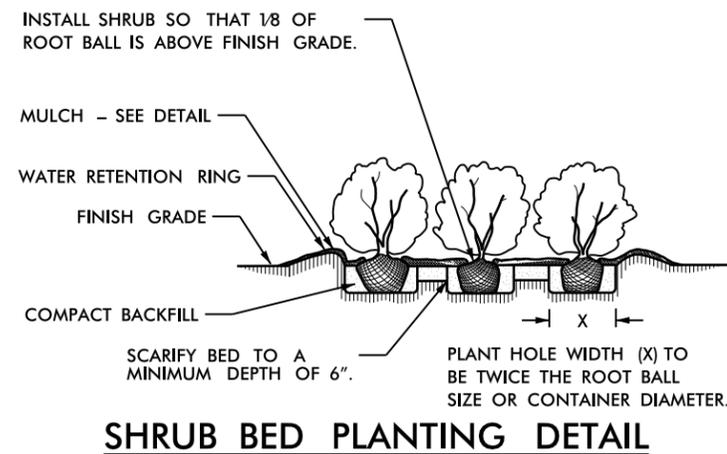
PLAN VIEW
STAKING DETAIL
(TRES 6'-10')

USE AS DIRECTED BY FIELD ENGINEER

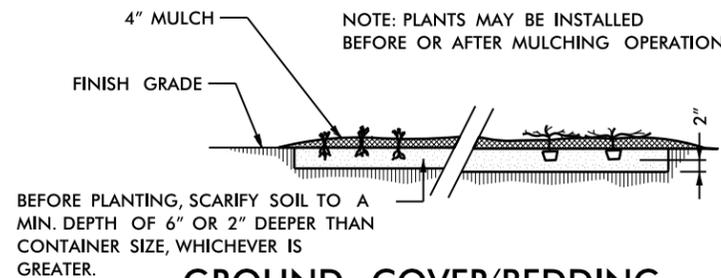


PLAN VIEW
GUYING DETAIL
(TRES 10' OR LARGER)

USE AS DIRECTED BY FIELD ENGINEER



SHRUB BED PLANTING DETAIL



GROUND COVER/BEDDING PLANT DETAIL

NOTES:

- SCHEDULE FOR PLANT HOLE SIZE: PLANT HOLE WIDTH (X) TO BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.
- SEE STANDARD SPECIFICATIONS FOR PLANT BED FUMIGATION AND HERBICIDAL TREATMENT.
- APPLY FERTILIZER AT PLANTING TIME IN THE FORM OF A SLOW RELEASE PELLET OR TABLET. APPLY AT RATE RECOMMENDED BY MANUFACTURER. BOTH RATE AND FORMULATION MUST BE APPROVED BY FIELD ENGINEER PRIOR TO APPLICATION.
- REMOVE WIRE BASKET AND FOLD BURLAP BACK FROM TOP OF ROOT BALL BEFORE BACKFILLING IS COMPLETE.
- ALL PRUNING TO FOLLOW STANDARD ARBORICULTURAL PRACTICES AS SPECIFIED BY INTERNATIONAL SOCIETY OF ARBORICULTURE.
- DO NOT ATTEMPT TO STRAIGHTEN A TREE THAT HAS BEEN PLANTED AT AN ANGLE WITH THE USE OF STAKING OR GUYING. DIG TREE AND REPLANT TO UPRIGHT POSITION.



**NCDOT - Roadside Environmental Unit
Landscape Design & Development**
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**I - 40 Durham County
Landscape Development**

WBS NO.: 33070.3.2 & 35010.3.2



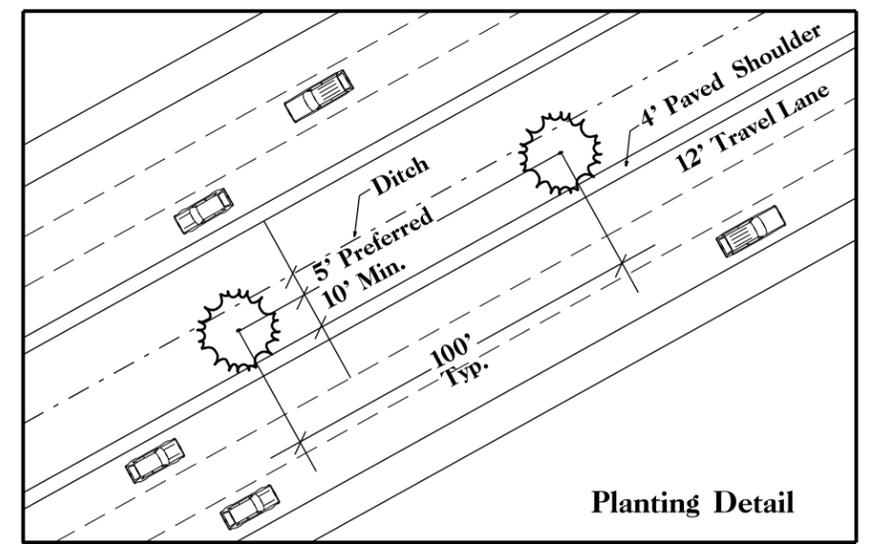
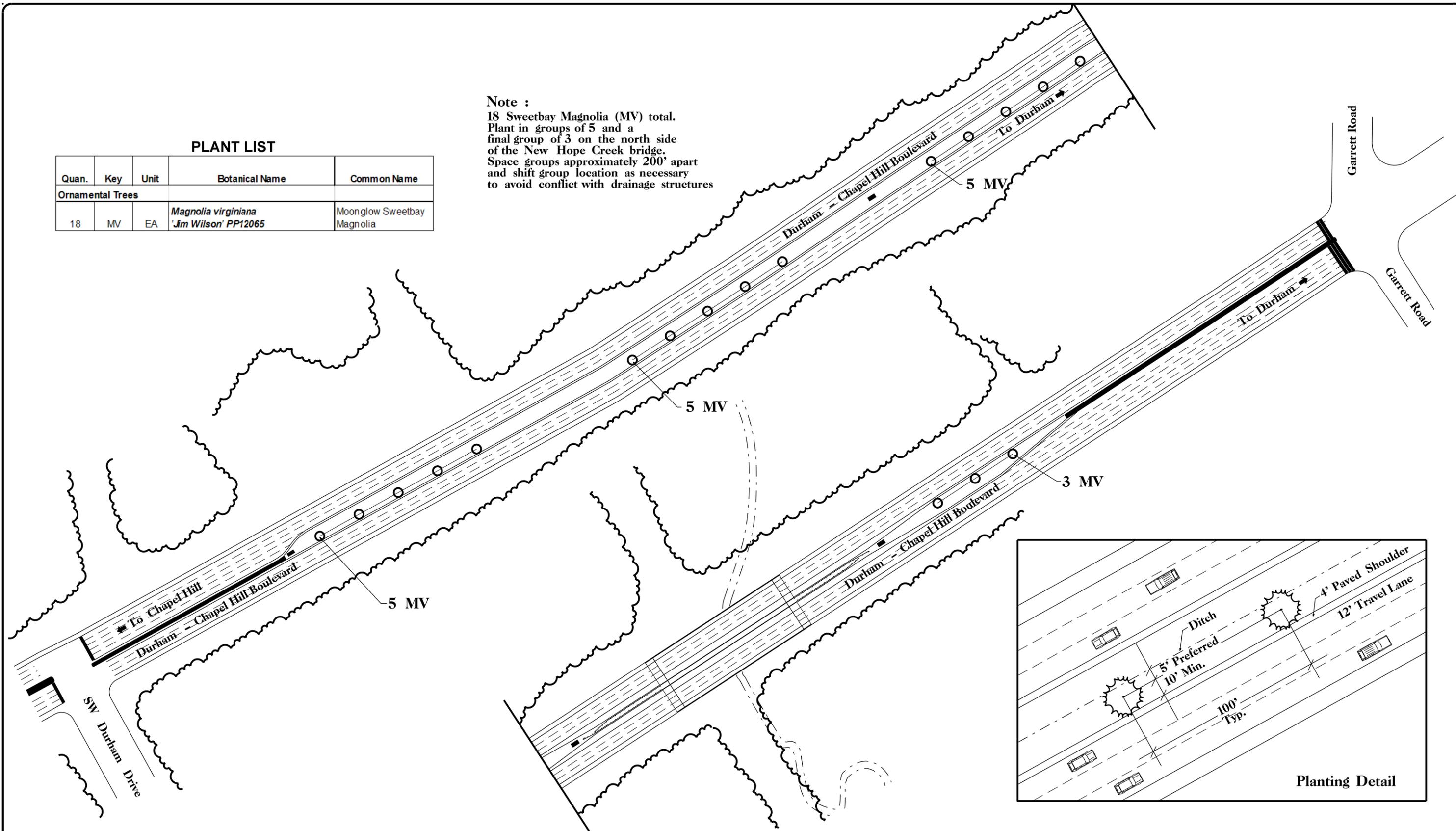
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PRELIMINARY DESIGN DATE: Sept. 21, 2011 REVISIONS: Dec. 1, 2011
FINAL DESIGN DATE: Feb. 21, 2012 REVISIONS:

SHEET DESCRIPTION	I - 40 Landscape Development	SHEET NO.:	2
	US 15 /501 Interchange & Median	TOTAL SHEET NO.:	4
	Planting Details		

PLANT LIST

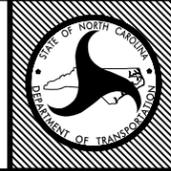
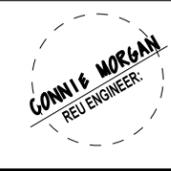
Quan.	Key	Unit	Botanical Name	Common Name
Ornamental Trees				
18	MV	EA	<i>Magnolia virginiana</i> 'Jim Wilson' PP12065	Moon glow Sweetbay Magnolia

Note :
 18 Sweetbay Magnolia (MV) total.
 Plant in groups of 5 and a
 final group of 3 on the north side
 of the New Hope Creek bridge.
 Space groups approximately 200' apart
 and shift group location as necessary
 to avoid conflict with drainage structures



**NCDOT - Roadside Environmental Unit
 Landscape Design & Development**
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**I - 40 Durham County
 Landscape Development**
 WBS NO.: 33070.3.2 & 35010.3.2



TIP NO.:	B-3450 /U-4012 /U-4009
PRELIMINARY DESIGN DATE:	Sept. 21, 2010,
REVISIONS:	Dec. 1, 2011
FINAL DESIGN DATE:	Feb. 21, 2012
REVISIONS:	

SHEET DESCRIPTION	I - 40 Landscape Development
	US 15 /501 Median
	Planting Plan

SHEET NO.:	4
TOTAL SHEET NO.:	4



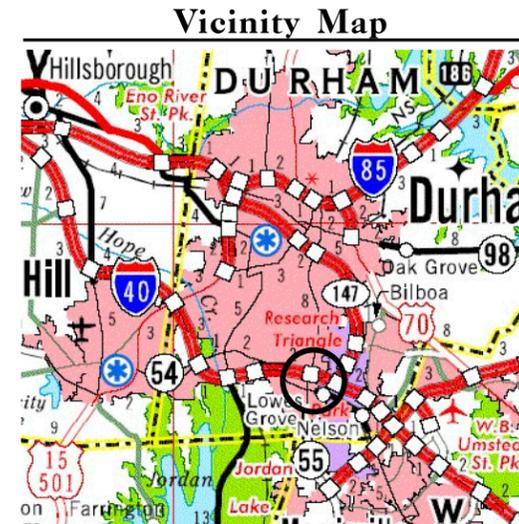
PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
R-2906A&C	34514.3.5	1	3
DESCRIPTION			DIVISION
Landscaping NC 55 & I-40			5

Summary of Quantities

Quan.	Key	Unit	Botanical Name	Common Name	Furnish	ASNS	Spacing	
Initial Planting								
Plant Materials								
All trees to be top quality single stem/trunk with straight central leader and consistent well distributed branching unless otherwise stated.								
Shade Tree								
2	QA	EA	<i>Quercus acutissima</i>	Sawtooth Oak	2 1/2-3" Cal., B&B	1.2.1	As Shown	
6	QL	EA	<i>Quercus lyrata</i> 'Highbeam' (QLFTB) P.#13470	Overcup Oak	2-2 1/2" Cal.(12-14'), B&B	1.2.1	As Shown	
Conifers and Broadleaf Evergreens								
7	CD	EA	<i>Cedrus deodara</i>	Deodor Cedar	8-10' B&B, Heavy, N	3.2.4	As Shown	
4	MG	EA	<i>Magnolia grandiflora</i>	Southern Magnolia	6-7' B&B, Heavy	1.2.2	As Shown	
Ornamental Trees								
29	LN	EA	<i>Lagerstroemia x 'Natchez'</i>	Crape Myrtle	6-8' B&B, Multi-Stemmed	1.3.2.2.2	As Shown	
33	PY	EA	<i>Prunus x yedoensis</i> 'Yoshino'	Yoshino Cherry	2-2 1/2" Cal., B&B	1.2.3	As Shown	
Bulbs/Corms/Tubers/Herbaceous Perennials/Ornamental Grasses/Groundcovers/Vines								
924	HMT	EA	<i>Hemerocallis 'Mary Todd'</i>	Daylily	Min. 2 Fan, BR	12.2.3	2' O.C.	
Other Items								
1,518		SY	Post-Emergence Herbicidal Treatment for Plant Beds					
1,637		SY	Pre-Emergence Herbicidal Treatment for Plant Beds					
186		CY	Mulch for Planting					
3		MG	Water for Planting					
6		EA	Selective Tree Removal, 6"					
1		EA	Selective Tree Removal, 10"					
1		EA	Selective Tree Removal, 15"					
1		EA	Selective Tree Removal, 18"					
0.2		Acre	Selective Undergrowth Removal					
0.9		Acre	Special Vegetation Removal					
530		SY	Plant Bed Renovation					
2.2		Acre	Seeding and Mulching					
693		Pound	Seed for Supplemental Seeding					
2.3		Ton	Fertilizer Topdressing					
Replacement Planting								
Plant Materials								
All trees to be top quality single stem/trunk with straight central leader and consistent well distributed branching unless otherwise stated.								
Shade Tree								
1	QA	EA	<i>Quercus acutissima</i>	Sawtooth Oak	2 1/2-3" Cal., B&B	1.2.1	As Shown	
1	QL	EA	<i>Quercus lyrata</i> 'Highbeam' (QLFTB) P.#13470	Overcup Oak	2-2 1/2" Cal.(12-14'), B&B	1.2.1	As Shown	
Conifers and Broadleaf Evergreens								
1	CD	EA	<i>Cedrus deodara</i>	Deodor Cedar	8-10' B&B, Heavy, N	3.2.4	As Shown	
1	MG	EA	<i>Magnolia grandiflora</i>	Southern Magnolia	6-7' B&B, Heavy	1.2.2	As Shown	
Ornamental Trees								
3	LN	EA	<i>Lagerstroemia x 'Natchez'</i>	Crape Myrtle	6-8' B&B, Multi-Stemmed	1.3.2.2.2	As Shown	
3	PY	EA	<i>Prunus x yedoensis</i> 'Yoshino'	Yoshino Cherry	2-2 1/2" Cal., B&B	1.2.3	As Shown	
Bulbs/Corms/Tubers/Herbaceous Perennials/Ornamental Grasses/Groundcovers/Vines								
92	HMT	EA	<i>Hemerocallis 'Mary Todd'</i>	Daylily	Min. 2 Fan, BR	12.2.3	2' O.C.	
Other Items								
6		CY	Mulch for Replacement Planting					
1		MG	Water for Replacement Planting					
Warranty Period								
Warranty Pay Items								
7		Cycle	Monthly Warranty Work					
46		CY	Mulch for Warranty					
6		MG	Water for Warranty					



CONVENTIONAL SYMBOLS

County Line	-----
City or Town Line	-----
Exist. Right of Way Line Marker	-----▲-----
Prop. Right of Way Line Marker (By Others)	-----▲-----
Prop. Right of Way Line Marker (By Contract)	-----▲-----
Exist. Control of Access Line	-----○-----
Prop. Control of Access Line	-----○-----
Property Line	-----
Easement Line	-----
Slope Stake Line	-----
Exist. Fence	-----
Prop. Woven Wire Fence	-----
Prop. Chain Link Fence	-----
Exist. Road	-----
Prop. Road	-----
Guardrail	-----
Survey Line	-----
Denotes Line Equality	-----
Bridge	-----
Culvert	-----
Railroad	-----
Woods	-----
Exist. Telephone Pole	-----
Prop. Telephone Pole	-----
Tower Pole and Line	-----
Exist. Power Pole	-----
Prop. Power Pole	-----
Sanitary Sewer Line	-----
Water Line	-----
Gas Line	-----
Picnic Shelter	-----
Regeneration	-----
Reforestation	-----

INDEX OF L SHEETS:

- 1... Title, Description and Summary of Quantities
- 2... Planting Details
- 3... Planting Plan

PREPARED BY:	CSM
PRELIMINARY DESIGN DATE:	Sept. 21, 2011
REVISION DATE:	Dec. 1, 2011
FINAL DESIGN DATE:	Feb. 21, 2012
2004 American Standard for Nursery Stock	
2012 NCDOT STANDARD SPECIFICATIONS	

HIGHWAY DIVISION 5
 2612 N. Duke Street Durham, NC 27704
 Division Eng. - J. Wally Bowman, PE (919)220-4600
 Roadside Environmental Department
 RE Office Eng. - Alyson W. Tamer (919)816-9290

PLANS PREPARED IN THE OFFICE OF:
 NCDOT- ROADSIDE ENVIRONMENTAL UNIT
 Landscape Design & Development Section
 1557 Mail Service Center
 Raleigh NC 27699 919-707-2920

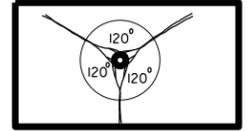
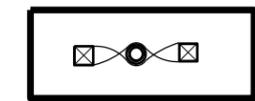
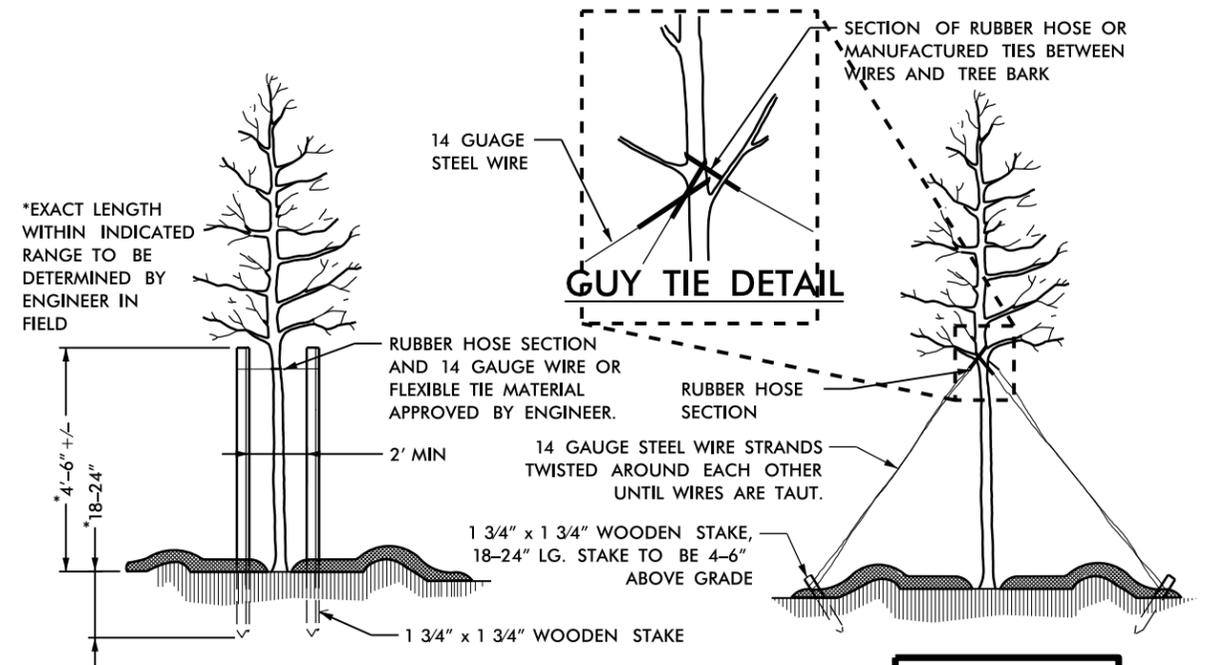
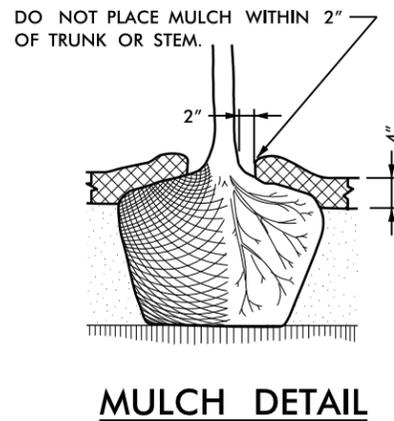
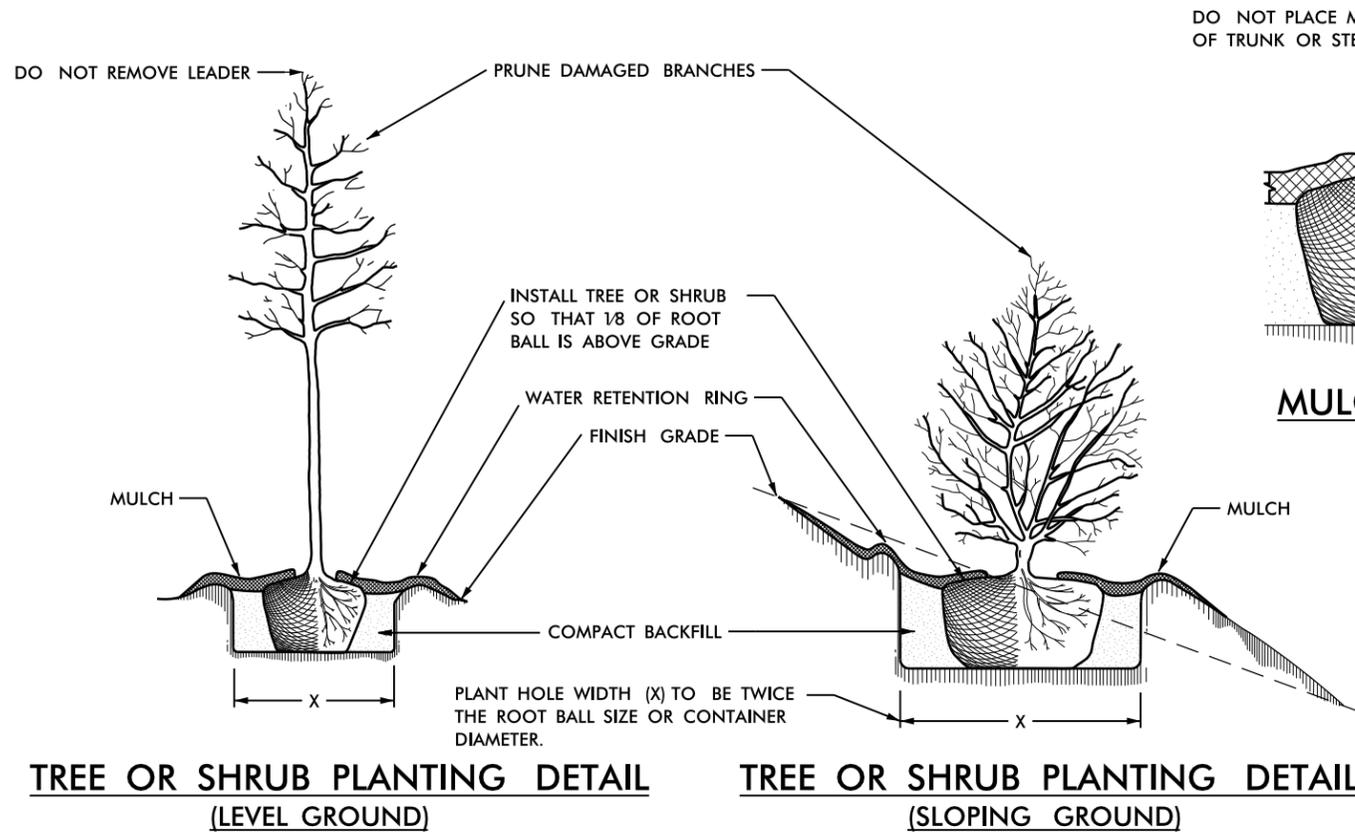
PROJECT: NC 55 and I - 40 Interchange



STATE OF
NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION

LOCATION: **NC 55 & I-40, Durham**
 TYPE of WORK: **Landscape Planting**
 COUNTY: **Durham County**

SHEET
1 of 3



TREE OR SHRUB PLANTING DETAIL
(LEVEL GROUND)

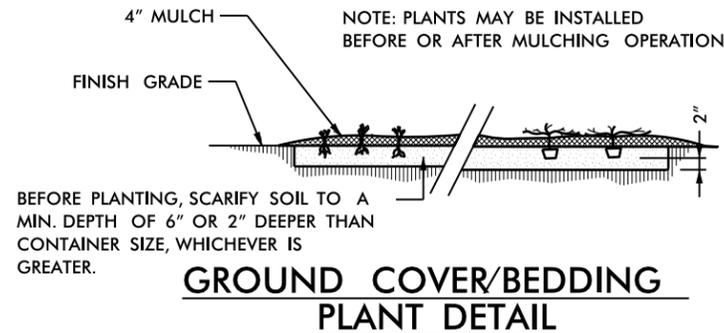
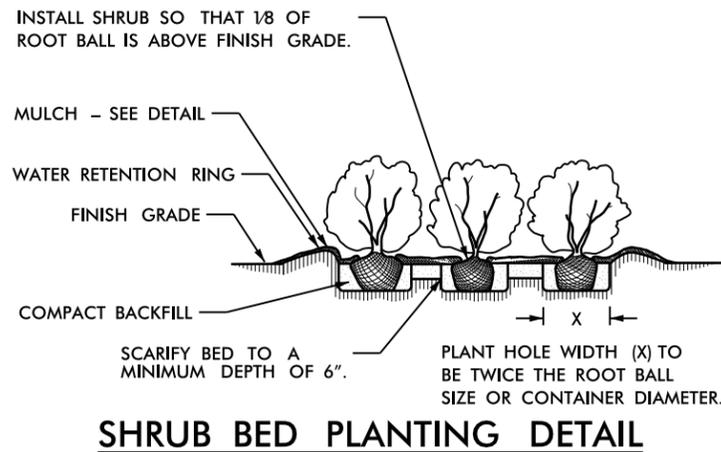
TREE OR SHRUB PLANTING DETAIL
(SLOPING GROUND)

STAKING DETAIL
(TREES 6'-10')

GUYING DETAIL
(TREES 10' OR LARGER)

USE AS DIRECTED BY FIELD ENGINEER

USE AS DIRECTED BY FIELD ENGINEER



NOTES:

- SCHEDULE FOR PLANT HOLE SIZE: PLANT HOLE WIDTH (X) TO BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.
- REMOVE WIRE BASKET AND FOLD BURLAP BACK FROM TOP OF ROOT BALL BEFORE BACKFILLING IS COMPLETE.
- SEE STANDARD SPECIFICATIONS FOR PLANT BED FUMIGATION AND HERBICIDAL TREATMENT.
- ALL PRUNING TO FOLLOW STANDARD ARBORICULTURAL PRACTICES AS SPECIFIED BY INTERNATIONAL SOCIETY OF ARBORICULTURE.
- APPLY FERTILIZER AT PLANTING TIME IN THE FORM OF A SLOW RELEASE PELLET OR TABLET. APPLY AT RATE RECOMMENDED BY MANUFACTURER. BOTH RATE AND FORMULATION MUST BE APPROVED BY FIELD ENGINEER PRIOR TO APPLICATION.
- DO NOT ATTEMPT TO STRAIGHTEN A TREE THAT HAS BEEN PLANTED AT AN ANGLE WITH THE USE OF STAKING OR GUYING. DIG TREE AND REPLANT TO UPRIGHT POSITION.



**NCDOT - Roadside Environmental Unit
Landscape Design & Development**
1557 Mail Service Center Raleigh NC 27699-1557
ph: 919-707-2920 fax: 919-733-9810
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

**I - 40 Durham County
Landscape Development**
WBS NO.: 34514.3.5



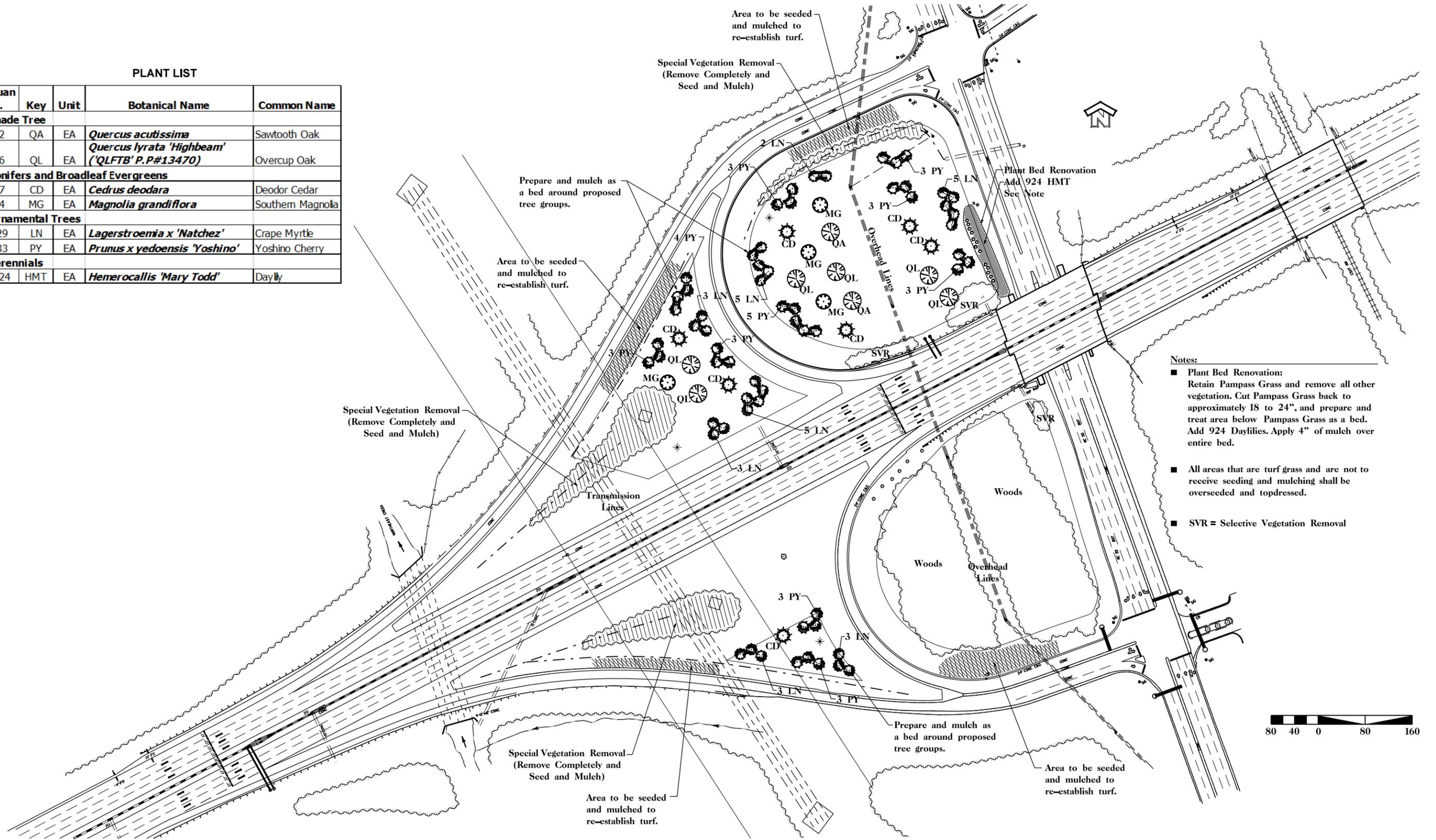
TIP NO.:	R - 2906 A & C
PRELIMINARY DESIGN DATE:	Sept. 21, 2011
REVISIONS:	Dec. 1, 2011
FINAL DESIGN DATE:	Feb. 21, 2012
REVISIONS:	

SHEET DESCRIPTION	I - 40 Landscape Development
	NC 55 Interchange
	Planting Details

SHEET NO.:	2
TOTAL SHEET NO.:	3

PLANT LIST

Quan	Key	Unit	Botanical Name	Common Name
Shade Tree				
2	QA	EA	<i>Quercus acutissima</i>	Sawtooth Oak
6	QL	EA	<i>Quercus lyrata</i> 'Highbeam' (<i>QLFTB</i> P.P.#13470)	Overcup Oak
Conifers and Broadleaf Evergreens				
7	CD	EA	<i>Cedrus deodara</i>	Deodor Cedar
4	MG	EA	<i>Magnolia grandiflora</i>	Southern Magnolia
Ornamental Trees				
29	LN	EA	<i>Lagerstroemia x 'Natchez'</i>	Crape Myrtle
33	PY	EA	<i>Prunus x yedoensis</i> 'Yoshino'	Yoshino Cherry
Perennials				
924	HMT	EA	<i>Hemerocallis 'Mary Todd'</i>	Daylily



- Notes:**
- Plant Bed Renovation: Retain Pampass Grass and remove all other vegetation. Cut Pampass Grass back to approximately 18 to 24", and prepare and treat area below Pampass Grass as a bed. Add 924 Daylilies. Apply 4" of mulch over entire bed.
 - All areas that are turf grass and are not to receive seeding and mulching shall be overseeded and topdressed.
 - SVR = Selective Vegetation Removal



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I - 40 Durham County Landscape Development

WBS #: 34514.3.5



TIP#: R - 2906 A & C
 PRELIMINARY DESIGN DATE: Sept. 21, 2010 REVISIONS: Dec. 1, 2011
 FINAL DESIGN DATE: Feb. 21, 2012 REVISIONS:

SHEET DESCRIPTION: I - 40 Landscape Development
 NC 55 Interchange
 Planting Plan

SHEET NO.: 3
 TOTAL SHEET NO.: 3