

PROJECT: Buncombe County, Various Sites on I-40, I-240 & I-26



# PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
NA		1	36
FED. PROJ. #	DESCRIPTION	DIVISION	
NA	Various Sites on I-40, I-240 & I-26	13	

## SUMMARY OF QUANTITIES

PLANT MATERIALS												
Quantity Phase I	Quantity Phase II	Quantity Phase III	Quantity Phase IV	Total Quantity	Key	Unit	Botanical Name	Common Name	Furnish	ASNS	Spacing	
<b>Ornamental Trees</b>												
19				19	CFP	EA	<i>Cercis canadensis</i> 'Forest Pansy'	Forest Pansy Redbud	2-2 1/2" Cal., B&B, Single straight trunk, Heavily branched, Matched specimens	12.3	36' OC	
	3			3		EA	<i>Cercis canadensis</i> 'Heart of Gold'	Hearts of Gold Redbud	1 1/2-2" Cal., B&B, Single straight trunk, Heavily branched, Matched specimens	12.3	12' x 12' Grid	
			2	2	CV	EA	<i>Chionanthus virginicus</i>	Fringe Tree	4-5, Multi-stem shrub form, Well branched	13.1	As shown	
		4		4		EA	<i>Cornus florida</i> 'Appalachian Spring'	Appalachian Spring Flowering Dogwood	5-6', Single Straight, Trunk, Well branched	12.4	10' BE FIELD stake	
5				5	CR	EA	<i>Cornus x 'Rutban'</i>	Aurora Dogwood	2-2 1/2" Cal., B&B, Single straight trunk, Heavily branched, Matched specimens	12.4	As shown	
	17		3	20		EA	<i>Oxydendron arboreum</i>	Sourwood	5-6', Single Straight, Trunk, Well branched	12.3	10' BE FIELD stake	
<b>Conifer and Evergreen Trees</b>												
3				3	IN	EA	<i>Ilex x 'Nellie R. Stevens'</i>	Nellie R. Stevens Holly	8-10', B&B, LS, Heavily branched to the ground, Full with no gaps, Matched specimens	12' OC		
<b>Conifer and Evergreen Trees continued</b>												
2	8			10	PO	EA	<i>Picea omorika</i>	Serbian Spruce	12-14', B&B, Full to ground, Matched specimens	3.2.4	As shown	
3				3	PBW	EA	<i>Picea omorika</i> 'Berliner's Weeper'	Berliner's Weeping Serbian Spruce	#20 Cont., N, Heavily Branched Specimens	3.2.6	As shown	
3	2			5	PP	EA	<i>Picea pungens</i> 'Blue Select'	Blue Select Colorado Spruce	12-14', B&B, Full to ground, Matched specimens	3.2.4	As shown	
			4	4	TO	EA	<i>Thuja occidentalis</i> 'Hetz Wintergreen'	Hetz Wintergreen Arborvitae	10-12', B&B, Heavy and full to ground	3.2.6	20' OC	
<b>Shrubs</b>												
24				24	CSC	EA	<i>Clethra alnifolia</i> 'Sixteen Candles'	Sixteen Candles Summersweet	18-24" Height and Spread, #3 Cont., Fully rooted into the cont., Heavily branched, Min. 3 canes	2.2.2	3' OC	
4				4	EA	EA	<i>Euonymus alatus</i> 'Odom'	Little Moses Burning Bush	15-18" Height and Spread, #3 Cont., Fully rooted into the cont., Heavily branched	2.2.2	3' OC	
135				135	HBV	EA	<i>Hypericum x 'Blue Velvet'</i>	Blue Velvet Hypericum	15-18" Height and Spread, #3 Cont., Fully rooted into the cont., Heavily branched	2.2.2	3' OC	
71				71	RK	EA	<i>Rosa x 'Radtko' PP#16,202</i>	Double Knock Out Rose	18-24" Height and Spread, #3 Cont., Fully rooted into the cont., Heavily branched, Min. 3 canes	5.6	6' OC	
<b>Perennials</b>												
3224				3,224		EA	<i>Hypericum calycinum</i>	St. John's Wort	#1 Cont., Must be fully rooted into container, full top growth and weed free	2.2.2	12" OC	
519				519	ICB	EA	<i>Iris sibirica</i> 'Ceasar's Brother'	Ceasar's Brother Siberian Iris	#1 Cont., Must be fully rooted into container, full top growth and weed free	12.2.5	2' OC	
1481				1,481		EA	<i>Leucanthemum x superbum</i> 'Snowcap'	Snowcap Shasta Daisy	#1 Cont., Must be fully rooted into container, full top growth and weed free	12.1.3	12" OC	
5029				5,029		EA	<i>Phlox subulata</i> 'Emerald Blue'	Emerald Blue Moss Phlox	#1 Cont., Must be fully rooted into container, full top growth and weed free	12.1.3	12" OC	
350				350	SAJ	EA	<i>Sedum 'Autumn Joy'</i>	Autumn Joy Sedum	#1 Cont., Must be fully rooted into container, full top growth and weed free	12.1.3	2' OC	
<b>Grasses and Sedges</b>												
1550				1,550		EA	<i>Bouteloua gracilis</i> 'Blonde Ambition'	Blue Grama Grass	#1 Cont. Fully rooted with full top growth, weed free	12.1.3	12" OC	
525				525	CP	EA	<i>Carex pennsylvanica</i>	Pennsylvania Sedge	#1 Cont. Fully rooted with full top growth, weed free	12.1.3	12" OC	
	100			100		EA	<i>Chasmanthium latifolia</i>	River Oats	#1 Cont. Fully rooted with full top growth, weed free	12.2.5	3' OC	
14	1,353			1,367	PV	EA	<i>Panicum virgatum</i> 'Cloud Nine'	Cloud Nine Switchgrass	#1 Cont. Fully rooted with full top growth, weed free	12.2.5	6' OC	
	10			10		EA	<i>Panicum virgatum</i> 'Heavy Metal'	Heavy Metal Switchgrass	#1 Cont. Fully rooted with full top growth, weed free	12.2.5	3' OC	
	432			432		EA	<i>Panicum virgatum</i> 'Northwind'	Northwind Switchgrass	#1 Cont. Fully rooted with full top growth, weed free	12.2.5	4' OC	
108				108	PRR	EA	<i>Panicum virgatum</i> 'Ruby Ribbons' RR1' PP17944	Ruby Ribbons Switchgrass	#1 Cont. Fully rooted with full top growth, weed free	12.1.3	3' OC	
40	5		50	95	PVS	EA	<i>Panicum virgatum</i> 'Shenandoah'	Shenandoah Switchgrass	#1 Cont. Fully rooted with full top growth, weed free	12.1.3	3' OC	
			60	60	PVT	EA	<i>Panicum virgatum</i> 'Thundercloud'	Thundercloud Switchgrass	#1 Cont. Fully rooted with full top growth, weed free	12.2.5	6' OC	
			2,000	2,000	SS	EA	<i>Schizachyrium scoparium</i> 'Blaze'	Blaze Little Bluestem	#1 Cont. Fully rooted with full top growth, weed free	12.2.5	2' OC	
1274				1,274	SS	EA	<i>Schizachyrium scoparium</i> 'Prairie Blue'	The Blues or Prairie Blue Little Bluestem	#1 Cont. Fully rooted with full top growth, weed free	12.1.3	2' OC	
	20			20		EA	<i>Schizachyrium scoparium</i> 'The Blues'	The Blues Little Bluestem	#1 Cont. Fully rooted with full top growth, weed free	12.2.5	2' OC	
			3000	3,000	SN	EA	<i>Sorghastrum nutans</i> 'Sioux Blue'	Blue Indian Grass	#1 Cont. Fully rooted with full top growth, weed free	12.2.5	2' OC	
126			500	626	SB	EA	<i>Spartina bakeri</i>	Cord Grass	#1 Cont. Fully rooted with full top growth, weed free	12.2.5	6' OC	
<b>OTHER ITEMS</b>												
Total Quantity	Unit	Item Description										
1	LS	Post-Emergence Herbicidal Treatment (Approximately 46,214 SY)										
1	LS	Pre-Emergence Herbicidal Treatment (Approximately 46,214 SY)										
8,249	CY	Mulch for Planting										
197	M/G	Water for Planting										
19	EA	Monthly Establishment Work Cycle										

**Note:**

Location for replacement plants will be identified by the Engineer in the field if not indicated on the plan sheets. See the following sheets for renovations to plant beds: Phase II-14, Phase II-15, Phase II-18, Phase III-21, Phase III-25 and Phase III-32

### CONVENTIONAL SYMBOLS

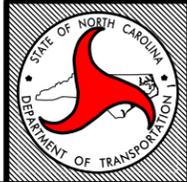
County Line	-----
City or Town Line	-----
Exist. Right of Way Line Marker	-----▲-----
Prop. Right of Way Line Marker (By Other)	-----▲-----
Prop. Right of Way Line Marker (By Contract)	-----▲-----
Exist. Control of Access Line	-----○-----
Prop. Control of Access Line	-----○-----
Property Line	-----○-----
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:

Sheet Number(s) - Sheet Description
1 - Title, Description and Summary of Quantities
2 - Planting Details
Phase I 3-5 - I-240 Median in Asheville
Phase II 6-18 - I-240 Core Corridor in Asheville
Phase III 19-33 - Asheville Gateways, I-40/I-240/I-26
Phase IV 34-36 - I-26 and Long Shoals Road

PREPARED BY: CSM  
 Original Date: August 21, 2012  
 Renovation Date: November 7, 2014

Various Sites on I-40, I-240 and I-26 in Asheville



STATE OF  
**NORTH CAROLINA**  
 DEPARTMENT OF TRANSPORTATION

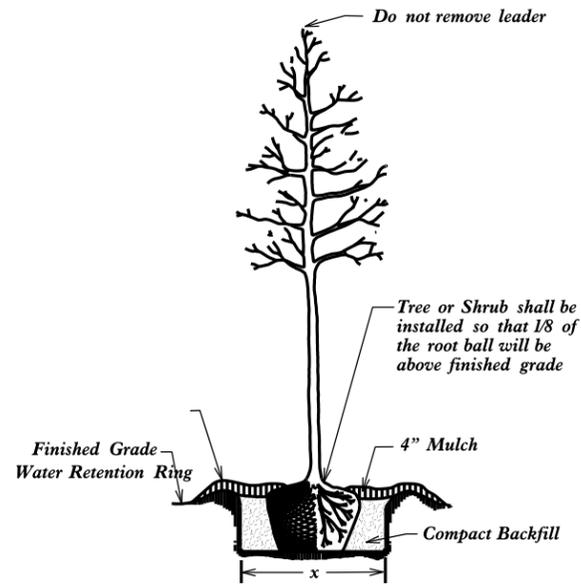
LOCATION: Various Sites on I-40, I-240 & I-26 in Asheville

TYPE of WORK: Landscape Planting

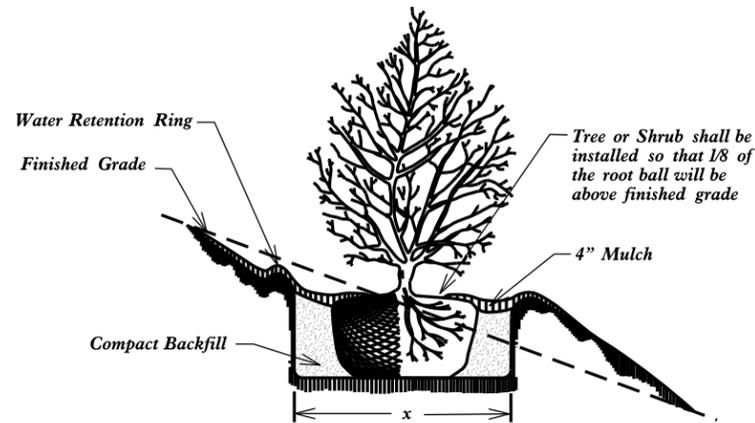
COUNTY: **Buncombe County**

DIVISION  
**13**

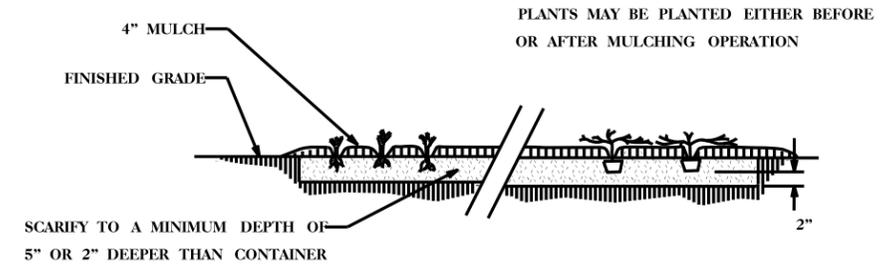
2004 American Standard for Nursery Stock  
 2012 NCDOT STANDARD SPECIFICATIONS  
 PREPARED IN THE OFFICE OF:  
 NCDOT- ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT SECTION  
 1557 MAIL SERVICE CENTER  
 RALEIGH NC 27699 919-733-2920



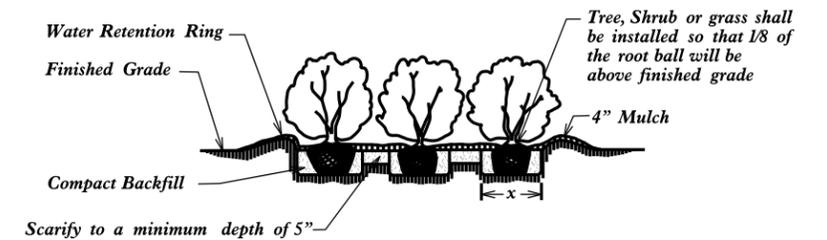
**Tree or Shrub Planting Detail  
(Level Ground)**



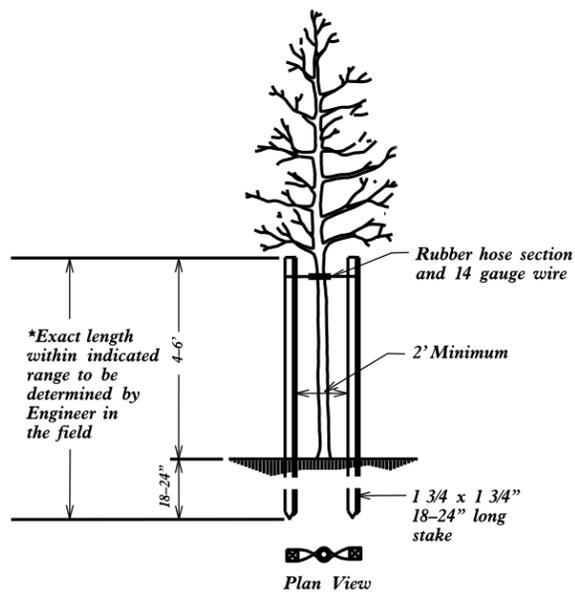
**Tree or Shrub Planting Detail  
(Sloping Ground)**



**Ground Cover Planting Detail**

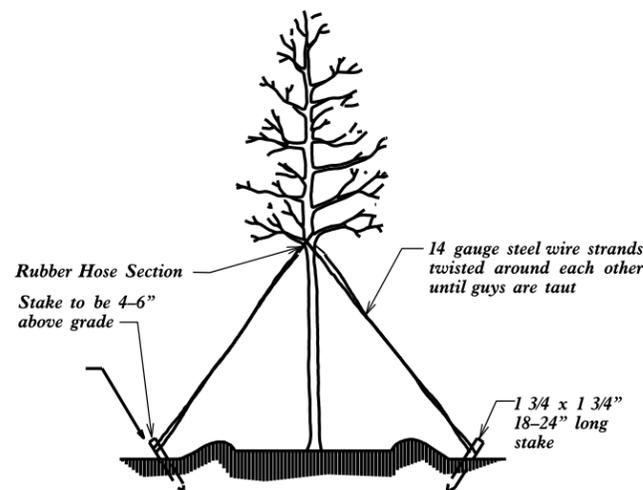


**Bed Planting Detail**



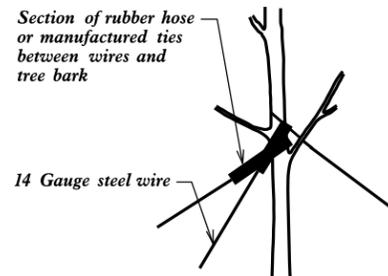
**Staking Detail  
(for trees 6' to 10')**

\* Utilize staking detail only if requested by the Engineer.

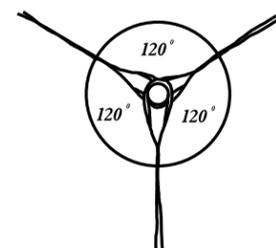


**Tree Guying Detail  
(for trees 10' or larger)**

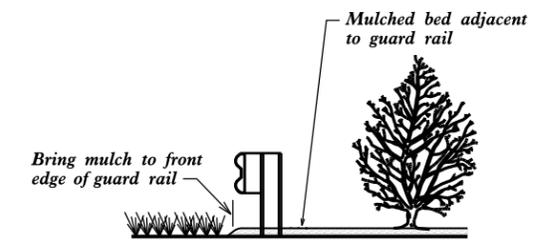
\* Utilize guying detail only if requested by the Engineer.



**Guy Tying Detail**



**Guy Spacing Detail**



**Bed /Guard Rail Detail**

**Notes:**

- Schedule for Plant Hole Size:**  
X = 2 times the diameter of the container or the root ball diameter
- Fertilizer shall be applied at time of planting.**  
Fertilizer shall be a slow release pellet or tablet. Formulation shall be approved by engineer in field. Rates shall be per manufacturer's recommendations and approved by engineer in field. Thoroughly mix with topsoil, backfill or scarified soil.
- Cut and remove wire basket and remove burlap around top of root ball to expose root collar before backfilling.** Set root ball at grade or slightly above as directed by the Engineer depending on soil type at installation site. Do not place mulch within 12" of tree trunk or 6" of shrub trunk.
- When mulched bed is adjacent to guard rail, run mulch to front edge of guard rail - see detail**



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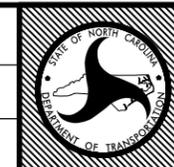
REPLACEMENT PLANTINGS  
 AT VARIOUS SITES  
 ON I-40, I-240 AND I-26  
 SITES IN ASHEVILLE, NC



SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT  
 PLANTING DETAILS

REPLACEMENT DATE:  
**NOVEMBER 7, 2014**  
 PROJECT:  
**PHASE I, II, III AND IV**  
 DIVISION AND COUNTY:  
**DIVISION 13 - BUNCOMBE COUNTY**



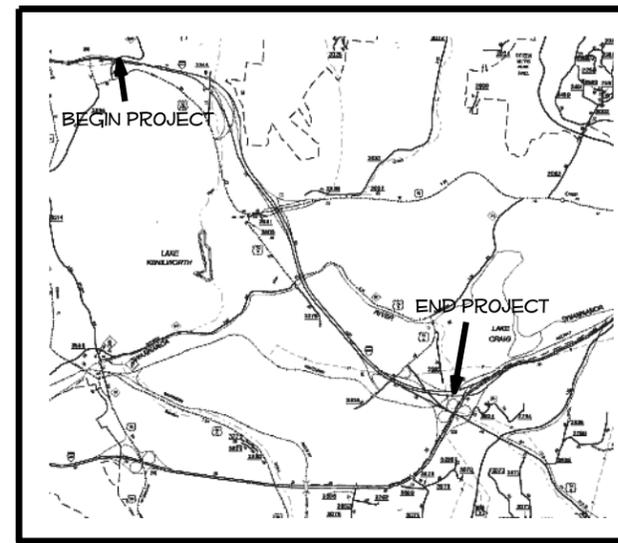
SHEET NO: 2  
 TOTAL SHEET NO: 36

PROJECT: Buncombe County, I-240 Median Planting

# PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



Vicinity Map



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
NA		PHASE 1-3	36
FED. PROJ. #	DESCRIPTION		DIVISION
NA	I-240 Median		13

CONVENTIONAL SYMBOLS

County Line	-----
City or Town Line	-----
Exist. Right of Way Line Marker	-----▲-----
Prop. Right of Way Line Marker	-----▲-----
(By Other)	-----▲-----
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	-----○-----

PLANT LIST						
Original Plan Quan.	Key	Unit	Botanical Name	Common Name	Furnish	ASNS Spacing
119	CC	EA	<i>Cercis canadensis</i> 'Forest Pansy'	Forest Pansy Redbud	2-21/2" Cal., B&B, Single straight trunk, Heavily branched, Matched specimens	1.2.3 36' OC
12	CR	EA	<i>Cornus x 'Rutban'</i>	Aurora Dogwood	2-21/2" Cal., B&B, Single straight trunk, Heavily branched, Matched specimens	1.2.4 As shown
65	IN	EA	<i>Ilex x 'Nellie R. Stevens'</i>	Nellie R. Stevens Holly	8-10', B&B, LS, Heavily branched to the ground, Full with no gaps, Matched specimens	4.2.5 12' OC
490	RK	EA	<i>Rosa x 'Radtko' PP# 16,202</i>	Double Knock Out Rose	18-24" Height and Spread, #3 Cont., Fully rooted into the cont., Heavily branched, Min. 3 canes, prefer more	5.6 6' OC
400	PV	EA	<i>Panicum virgatum</i> 'Cloud Nine'	Cloud Nine Switchgrass	#1 Cont., Must be fully rooted into this container with full top growth and weed free	12.1.3 6' OC
502	SB	EA	<i>Spartina bakeri</i>	Cord Grass	#1 Cont., Must be fully rooted into this container with full top growth and weed free	12.1.3 6' OC

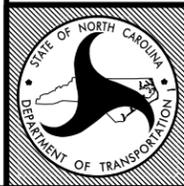
**Note:**  
Location for replacement plants will be identified by the Engineer in the field.

INDEX OF L SHEETS:

PHASE 1-3... Title, Description, and Summary of Quantities  
 PHASE 1-4... Planting Bed Layout  
 PHASE 1-5... Plant Schematic

PREPARED BY: CSM  
 Original Date: August 21, 2012  
 Replacement Date: November 7, 2014

I-240 Median from Town Mountain Road to I-40 Interchange in east Asheville

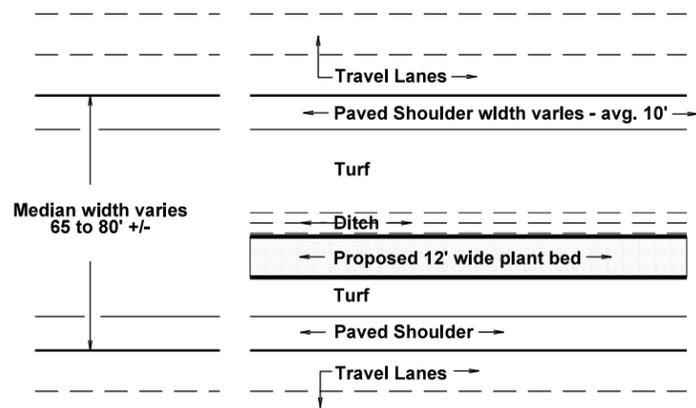


STATE OF  
**NORTH CAROLINA**  
DEPARTMENT OF TRANSPORTATION

LOCATION: I-240 Median from Town Mountain Road to I-40 Interchange in east Asheville (excluding planter)  
 TYPE of WORK: Landscape Planting  
 COUNTY: **Buncombe County**

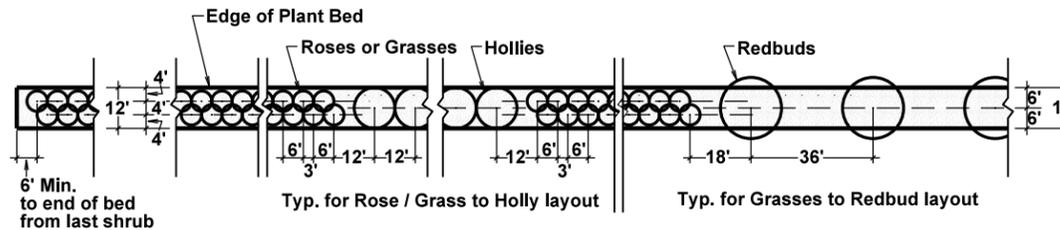
DIVISION  
**13**

2004 American Standard for Nursery Stock  
 2012 NCDOT STANDARD SPECIFICATIONS  
 PREPARED IN THE OFFICE OF:  
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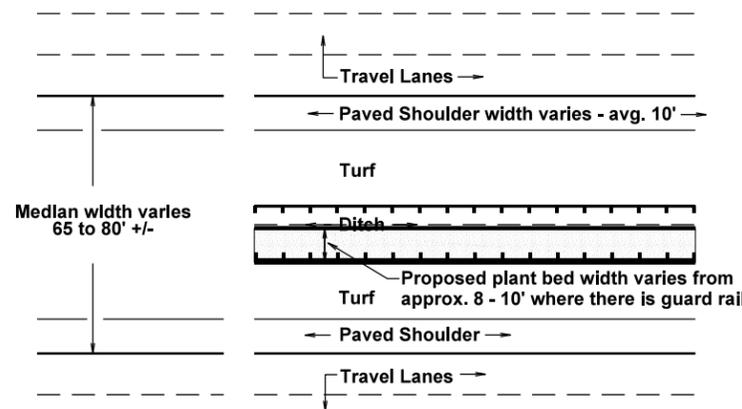


Note: Place proposed plant bed on same side of ditch as is currently existing.

Typical Median Layout

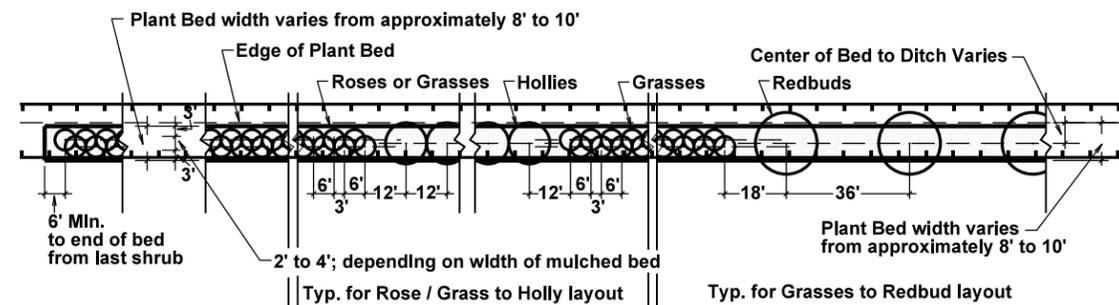


Typical Plant Bed Layout



Note: Place proposed plant bed on same side of ditch as is currently existing.

Typical Median Layout for Median Sections with Guard Rail



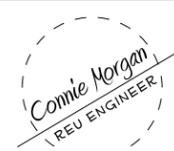
Typical Plant Bed Layout for Median Sections with Guard Rail



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[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

I-240 ASHEVILLE, NC  
 MEDIAN PLANTING RENOVATION

PROJECT #:



SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT

PLANT BED LAYOUT

ORIGINAL DATE:

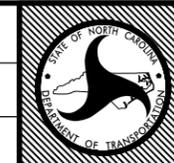
AUGUST 21, 2012

REPLACEMENT DATE:

NOVEMBER 7, 2014

DIVISION AND COUNTY:

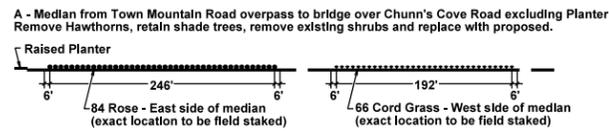
DIVISION 13 - BUNCOMBE COUNTY



SHEET NO: PHASE I - 4

TOTAL SHEET NO: 36

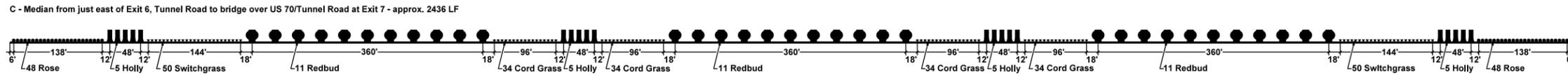
Totals for Section A	
Quan.	Common Name
84	Aurora Dogwood
66	Forest Pansy Redbud
	Nellie R. Stevens Holly
	Knock Out Rose
	Cloud Nine Switchgrass
	Cord Grass



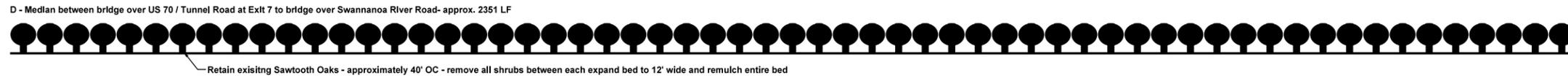
No Planting Proposed for Section B

B - Spread Median from bridge over Chunn's Cove Road to just east of Exit 6, Tunnel Road where median narrows  
Maintain existing park-like feel to landscape - retain existing healthy shade trees. No planting recommended.

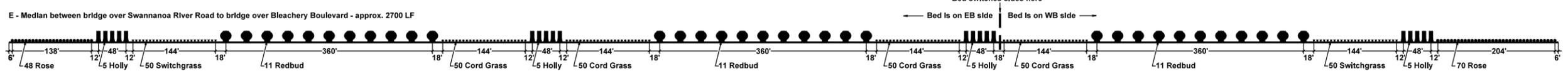
Totals for Section C	
Quan.	Common Name
33	Aurora Dogwood
20	Forest Pansy Redbud
96	Nellie R. Stevens Holly
100	Knock Out Rose
136	Cloud Nine Switchgrass
	Cord Grass



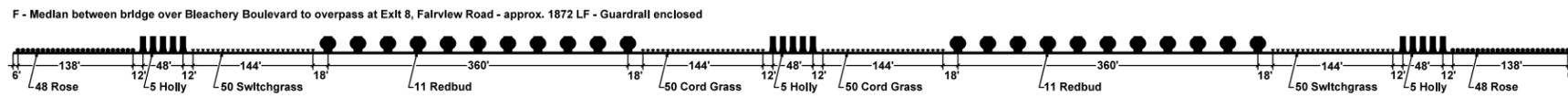
No Planting Proposed for Section D



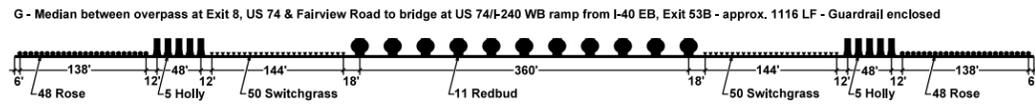
Totals for Section E	
Quan.	Common Name
33	Aurora Dogwood
20	Forest Pansy Redbud
118	Nellie R. Stevens Holly
100	Knock Out Rose
200	Cloud Nine Switchgrass
	Cord Grass



Totals for Section F	
Quan.	Common Name
22	Aurora Dogwood
12	Forest Pansy Redbud
96	Nellie R. Stevens Holly
100	Knock Out Rose
100	Cloud Nine Switchgrass
	Cord Grass



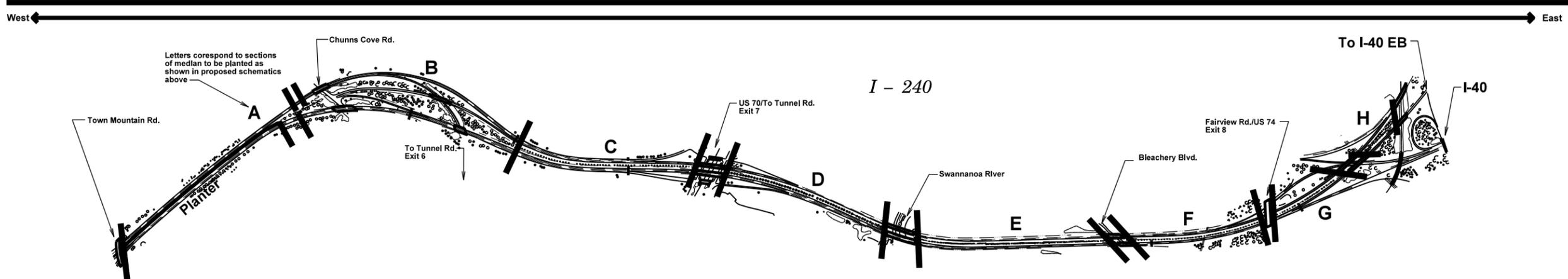
Totals for Section G	
Quan.	Common Name
11	Aurora Dogwood
10	Forest Pansy Redbud
96	Nellie R. Stevens Holly
100	Knock Out Rose
100	Cloud Nine Switchgrass
	Cord Grass



Totals for Section H	
Quan.	Common Name
12	Aurora Dogwood
20	Forest Pansy Redbud

H - Spread Median from bridge at US 74 /I-240 WB ramp from I-40 EB, Exit 53B to Railroad bridge - approx. 627 LF  
Remove existing Hawthorns, retain existing shade trees. Plant understory of 20 Forest Pansy Redbud and 12 Aurora Dogwood randomly as staked in the field. Mulch individually or in small groups.

- Notes:
- The Engineer may field adjust the length and quantity of each plant species within a plant grouping depending on site conditions.
  - Plant Knockout Rose, Cloud Nine Switchgrass and Cord Grass 6' O.C., in 2 staggered rows, 4' apart, in lengths and quantities as shown on schematic and as detailed in Typical Plant Bed Layouts, unless otherwise noted or directed
  - Plant Forest Pansy Redbud 36' O.C., in a single row in lengths and quantities as shown on schematic and as detailed in Typical Plant Bed Layouts, unless otherwise noted or directed
  - Plant Nellie R. Stevens Holly 12' O.C., in a single row in lengths and quantities as shown on schematic and as detailed in Typical Plant Bed Layouts, unless otherwise noted or directed
  - All existing Hawthorns and shrubs within the median will be removed unless otherwise directed by the Engineer in the field.



<p>NCDOT - ROADSIDE ENVIRONMENTAL UNIT LANDSCAPE DESIGN &amp; DEVELOPMENT 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557 PH: 919-733-2920 FAX: 919-733-9810 HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/</p>	<p>I-240 ASHEVILLE, NC MEDIAN PLANTING RENOVATION</p> <p>PROJECT #:</p>		<p>LANDSCAPE DEVELOPMENT</p>	<p>ORIGINAL DATE: AUGUST 21, 2012</p>		<p>SHEET NO: PHASE I - 5</p>
			<p>LANDSCAPE PLAN SCHEMATIC</p>	<p>REPLACEMENT DATE: NOVEMBER 7, 2014</p>		<p>DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY</p>

PROJECT: Buncombe County, I-240 Landscape Planting



# PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
NA		PHASE II-6	36
FED. PROJ. #	DESCRIPTION		DIVISION
NA	I-240 'Core Corridor'		13

## ORIGINAL PLANT LIST

Quan.	Key	Unit	Botanical Name	Common Name	Furnish	A.SNS	Spacing
<b>Ornamental Trees</b>							
17	CFP	EA	<i>Cercis canadensis</i>	Forest Pansy/Redbud	2-21/2" Cal. B&B, Single straight trunk, Heavily branched, Matched specimens	1.2,3	36' OC
8	CAP	EA	<i>Cercis canadensis</i>	Appalachian Red/Redbud	4-5', Single Stem, Well Branched	1.2,3	To be field staked
15	CV	EA	<i>Chionanthus virginicus</i>	Fringe Tree	3-4', Clump, Min. 2 stems, Max. 5 stems, Well Branched	1.3,2	To be field staked
21	CAS	EA	<i>Cornus florida</i>	Appalachian Spring/Flowering Dogwood	4-5', Single Stem, Well Branched	1.2,4	To be field staked
12	CR	EA	<i>Cornus x 'Rutban'</i>	Aurora Dogwood	2-21/2" Cal. B&B, Single straight trunk, Heavily branched, Matched specimens	1.2,4	As shown
29	OA	EA	<i>Oxydendron arboreum</i>	Sourwood	4-5', Single Straight Trunk, Well branched	1.2,3	To be field staked
10	PY	EA	<i>Prunus x yedoensis</i>	Akabono Cherry	2-1/2" Cal. B&B, Single straight trunk, Heavily branched, Matched specimens	1.2,3	20' OC unless otherwise directed
<b>Conifer and Evergreen Trees</b>							
75	IL	EA	<i>Ilex x 'Emily Bruner'</i>	Emily Bruner Holly	Min. 4', #15 Cont., Heavy and full to ground	4.2,4	As shown
31	PO	EA	<i>Picea omorika</i>	Serbian Spruce	12-14', B&B, Full to ground, Matched specimens	3.2,4	As shown
12	PBW	EA	<i>Picea omorika</i>	Berliner's Weeping Serbian Spruce	#20 Cont., N. Heavily Branched Specimens	3.2,5	As shown
8	PP	EA	<i>Picea pungens</i>	Blue Select Colorado Spruce	12-14', B&B, Full to ground, Matched specimens	3.2,4	As shown
3	TO	EA	<i>Thuja occidentalis</i>	Emerald Arborvitae	5-6', B&B, Full, Matched Specimens	3.2,5	As shown
30	TP	EA	<i>Thuja x 'Green Giant'</i>	Green Giant Arborvitae	Min. 4', #15 Cont., Heavy and full to ground	3.2,5	As shown

<b>Shrubs</b>							
1,011	BBC	EA	<i>Buddleia x Lo and Behold</i>	Lo and Behold Blue Chip Buddleia	15-18' Height and Spread, #3 Cont., Fully rooted into the cont., Heavily branched, Min. 3 canes, prefer more	2.2,2	3' OC
29	CSC	EA	<i>Clethra alnifolia</i>	Sixteen Candles Summersweet	15-24' Height and Spread, #3 Cont., Fully rooted into the cont., Heavily branched, Min. 3 canes, prefer more	2.2,2	3' OC
423	EA	EA	<i>Euonymus alatus</i>	Little Moses Burning Bush	15-18' Height and Spread, #3 Cont., Fully rooted into the cont., Heavily branched	2.2,2	3' OC
292	HV	EA	<i>Hypericum x 'Blue Velvet'</i>	Blue Velvet Hypericum	15-18' Height and Spread, #3 Cont., Fully rooted into the cont., Heavily branched	2.2,2	3' OC
25	IV	EA	<i>Ilex verticillata</i>	Winter Red (22) and Southern Gentlemen (3) Winterberry	18-24' Height and Spread, #3 Cont., Fully rooted into the cont., Heavily branched, Min. 3 canes, prefer more	2.2,4	5' OC
22	RC	EA	<i>Rhododendron carawbiense</i>	Catawba Rhododendron	18-24' Height and Spread, #3 Cont., Fully rooted into the cont., Heavily branched, Min. 3 canes, prefer more	4.2,4	5' OC
480	RPD	EA	<i>Rosa x 'Mejocos'</i>	Pink Drip Rose	15-18' Height and Spread, #3 Cont., Fully rooted into the cont., Heavily branched	5.6	2' OC
383	RSD	EA	<i>Rosa x 'Meisweddom'</i>	Sweet Drip Rose	15-18' Height and Spread, #3 Cont., Fully rooted into the cont., Heavily branched	5.6	2' OC
<b>Perennials</b>							
1,052	ICB	EA	<i>Iris sibirica</i>	Cesar's Brother Siberian Iris	#1 Cont., Must be fully rooted into the container with full top growth and weed free	12.2,5	2' OC
1,245	SAJ	EA	<i>Sedum 'Autumn Joy'</i>	Autumn Joy Sedum	#1 Cont.	12.1,3	2' OC

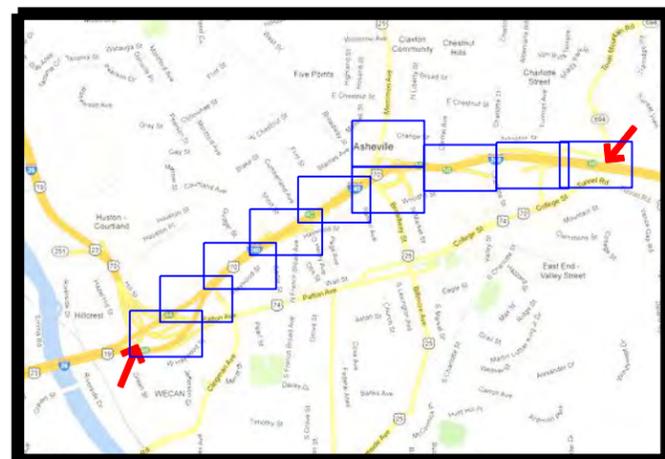
<b>Grasses and Sedges</b>							
5,407	CP	EA	<i>Carex pennsylvanica</i>	Pennsylvania Sedge	3 1/2-4" deep Pots, Tray of 18	12.1,3	12" OC
855	PRR	EA	<i>Panicum virgatum</i>	Ruby Ribbons Switchgrass	#1 Cont.	12.1,3	3' OC
2,216	PVS	EA	<i>Panicum virgatum</i>	Shenandoah Switchgrass	#1 Cont.	12.1,3	3' OC
4,767	SS	EA	<i>Schizachyrium scoparium</i>	The Blues or Prairie Blue Life Suestem	#1 Cont.	12.1,3	2' OC
<b>Annuals</b>							
1,279	ILG	EA	<i>Ipomoea</i>	Light Green Sweet Potato	4" Deep Pots, Flat of 15	NA	2' OC
827	IR	EA	<i>Ipomoea</i>	Raven Sweet Potato	4" Deep Pots, Flat of 15	NA	2' OC
403	PSR	EA	<i>Pennisetum setaceum</i>	Purple Fountain Grass	#1 Cont.	NA	3' or As Shown
801	PDR	EA	<i>Pentas lanceolata</i>	Butterfly Deep Rose Star Cluster	4" Deep Pots, Flat of 15	NA	12" OC
811	PPW	EA	<i>Petunia x hybrida</i>	Classic Purple Wave Petunia	4" Deep Pots, Flat of 15	NA	2' OC
122	SVL	EA	<i>Solenostemon</i>	Versa Lime Coleus	4" Deep Pots, Flat of 15	NA	18" OC
406	SPS	EA	<i>Sporobolus djerrius</i>	Persian Shield	4" Deep Pots, Flat of 15	NA	18" OC

Note: See Sheets Phase II-14, 15 and 18 for replacement of entire group of plants within a plant bed. All other locations for replacement plant locations will be identified by the Engineer in the field.

### CONVENTIONAL SYMBOLS

County Line	-----
City or Town Line	-----
Exist. Right of Way Line Marker	-----▲-----
Prop. Right of Way Line Marker	-----▲-----
(By Other)	-----▲-----
(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	-----
Calvert	-----
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	-----

Vicinity Map



### INDEX OF L SHEETS:

PHASE II-6.....	Title, Description, and Summary of Quantities
PHASE II-7 to PHASE II-18.....	Landscape Plans and Bed Details

PREPARED BY:	CSM
Original Date:	Oct. 31, 2012
Replacement Date:	Nov. 7, 2014

I-240 'Core Corridor'



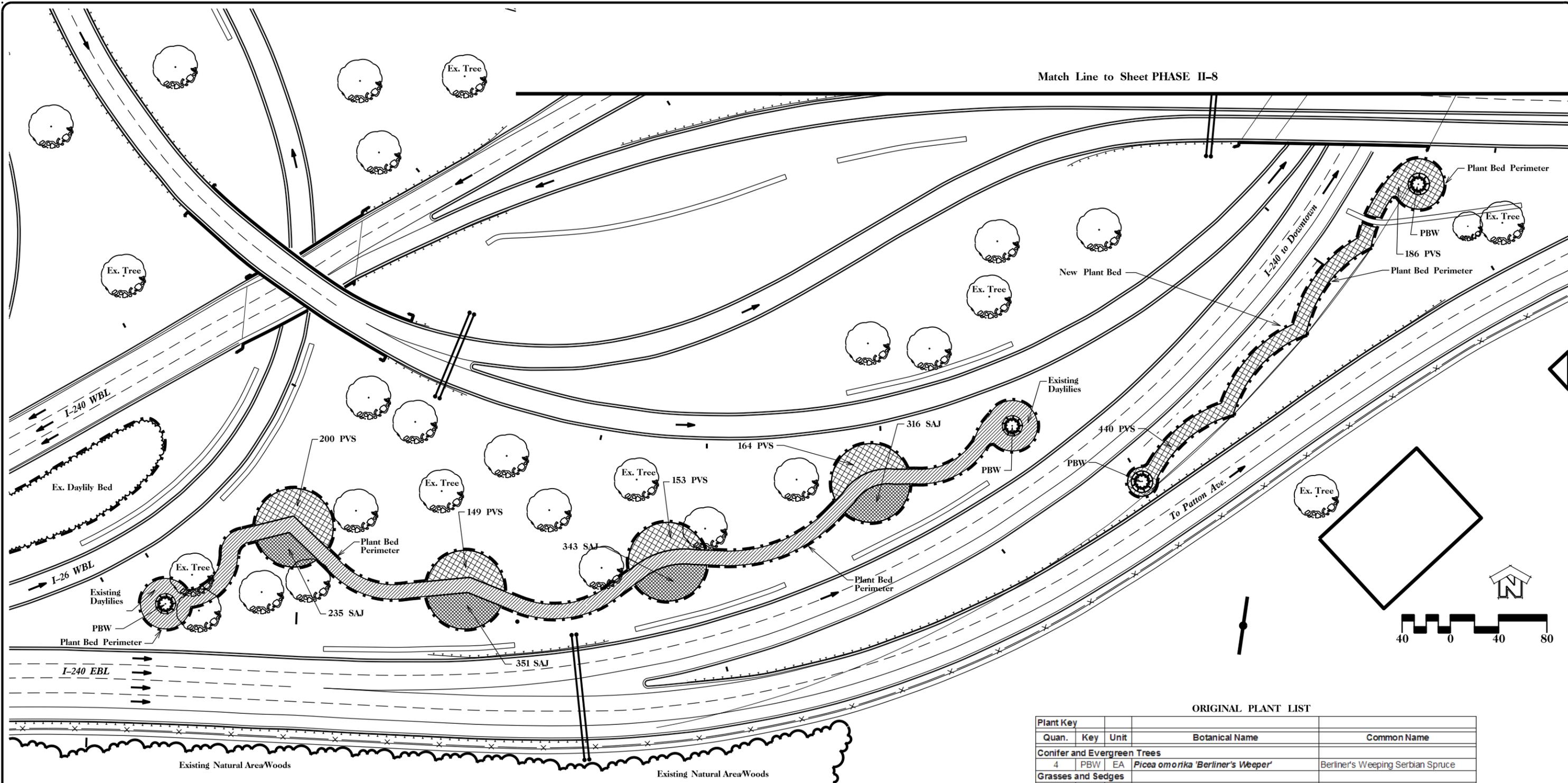
STATE OF  
**NORTH CAROLINA**  
DEPARTMENT OF TRANSPORTATION

LOCATION:	I-240 from just east of the French Broad River (Mile Post 3.4) to just west of the Beaucatcher Cut (Mile Post 5.4) in Asheville
TYPE of WORK:	Landscape Planting
COUNTY:	Buncombe County

DIVISION  
**13**

2004 American Standard for Nursery Stock  
2012 NCDOT STANDARD SPECIFICATIONS  
PREPARED IN THE OFFICE OF:  
NCDOT- ROADSIDE ENVIRONMENTAL UNIT  
LANDSCAPE DESIGN & DEVELOPMENT SECTION  
1557 MAIL SERVICE CENTER  
RALEIGH NC 27699 919-707-2920

Match Line to Sheet PHASE II-8

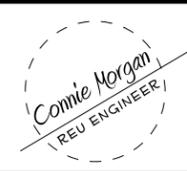


ORIGINAL PLANT LIST

Plant Key				
Quan.	Key	Unit	Botanical Name	Common Name
<b>Conifer and Evergreen Trees</b>				
4	PBW	EA	<i>Picea omarika</i> 'Berliner's Weeper'	Berliner's Weeping Serbian Spruce
<b>Grasses and Sedges</b>				
1,292	PVS	EA	<i>Panicum virgatum</i> 'Shenandoah'	Shenandoah Switchgrass
1,245	SAJ	EA	<i>Sedum</i> 'Autumn Joy'	Autumn Joy Sedum

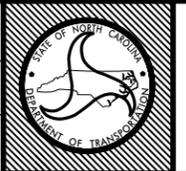
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I-240 ASHEVILLE, NC  
 CORE CORRIDOR PLANTING  
 I-240 FROM MILE POST 3.4 TO 5.4



SHEET DESCRIPTION:  
 LANDSCAPE DEVELOPMENT  
 LANDSCAPE PLAN

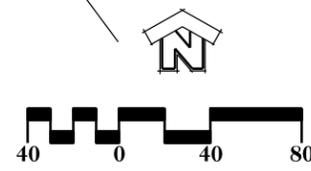
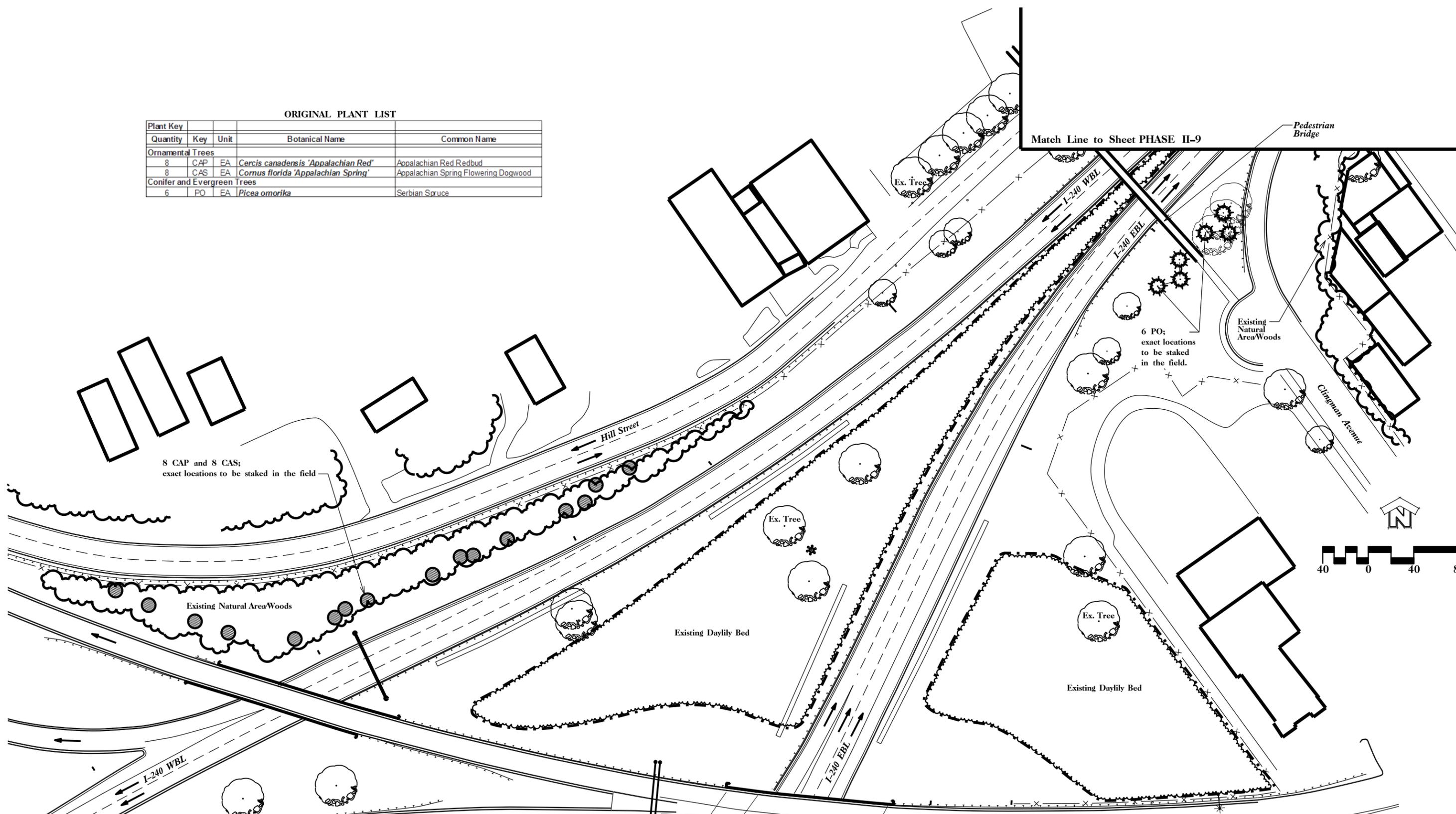
ORIGINAL DATE: OCT 31, 2012  
 REPLACEMENT DATE: NOV. 7, 2014  
 PROJECT: I-240 CORE CORRIDOR  
 DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY



SHEET NO: PHASE II - 7  
 TOTAL SHEET NO: 36

ORIGINAL PLANT LIST

Plant Key	Quantity	Key	Unit	Botanical Name	Common Name
Ornamental Trees					
8	CAP	EA		<i>Cercis canadensis</i> 'Appalachian Red'	Appalachian Red Redbud
8	CAS	EA		<i>Cornus florida</i> 'Appalachian Spring'	Appalachian Spring Flowering Dogwood
Conifer and Evergreen Trees					
6	PO	EA		<i>Picea omorika</i>	Serbian Spruce



Match Line to Sheet PHASE II-7



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I-240 ASHEVILLE, NC  
 CORE CORRIDOR PLANTING  
 I-240 FROM MILE POST 3.4 TO 5.4



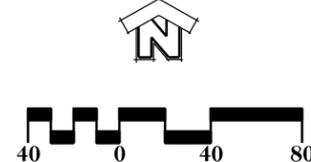
SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT  
 LANDSCAPE PLAN

ORIGINAL DATE: OCT 31, 2012 REPLACEMENT DATE: NOV. 7, 2014  
 PROJECT: I-240 CORE CORRIDOR  
 DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY



SHEET NO: PHASE II-8  
 TOTAL SHEET NO: 36

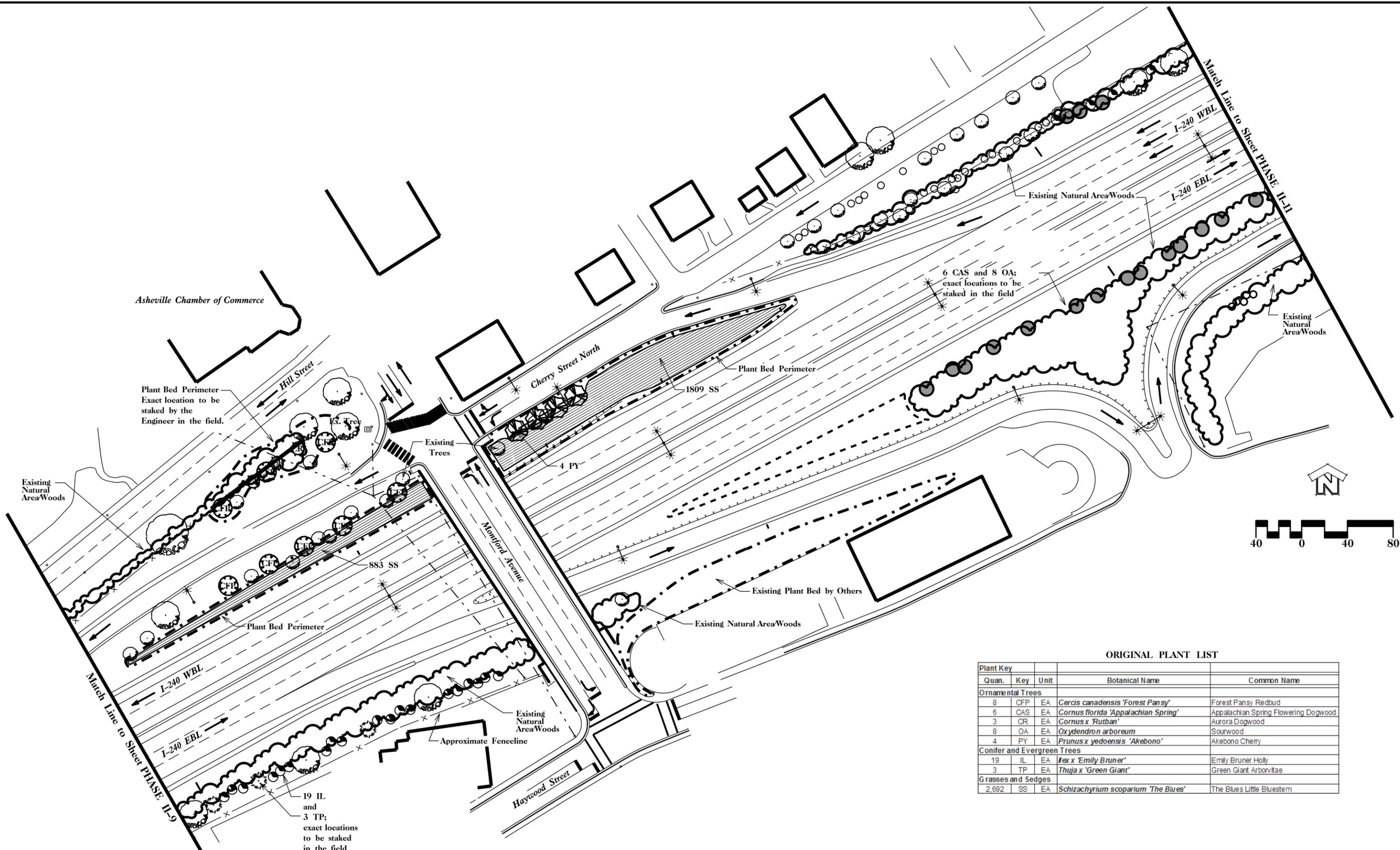


ORIGINAL PLANT LIST

Plant Key				
Quan.	Key	Unit	Botanical Name	Common Name
<b>Conifer and Evergreen Trees</b>				
39	IL	EA	<i>Ilex x 'Emily Bruner'</i>	Emily Bruner Holly
6	PO	EA	<i>Picea omorika</i>	Serbian Spruce
21	TP	EA	<i>Thuja x 'Green Giant'</i>	Green Giant Arborvitae

Match Line to Sheet PHASE II-8

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ORIGINAL PLANT LIST

Plant Key				Botanical Name	Common Name
Quan.	Key	Unit			
<b>Ornamental Trees</b>					
8	CFP	EA	<i>Cercis canadensis 'Forest Pansy'</i>	Forest Pansy Redbud	
6	CAS	EA	<i>Cornus florida 'Appalachian Spring'</i>	Appalachian Spring Flowering Dogwood	
3	CR	EA	<i>Cornus x 'Rutban'</i>	Aurora Dogwood	
8	OA	EA	<i>Oxydendron arboreum</i>	Sourwood	
4	PY	EA	<i>Prunus x yedoensis 'Akebono'</i>	Akebono Cherry	
<b>Conifer and Evergreen Trees</b>					
19	IL	EA	<i>Ilex x 'Emily Bruner'</i>	Emily Bruner Holly	
3	TP	EA	<i>Thuja x 'Green Giant'</i>	Green Giant Arborvitae	
<b>Grasses and Sedges</b>					
2,692	SS	EA	<i>Schizachyrium scoparium 'The Blues'</i>	The Blues Little Bluestem	



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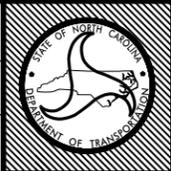
I-240 ASHEVILLE, NC  
 CORE CORRIDOR PLANTING  
 I-240 FROM MILE POST 3.4 TO 5.4



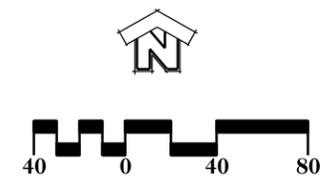
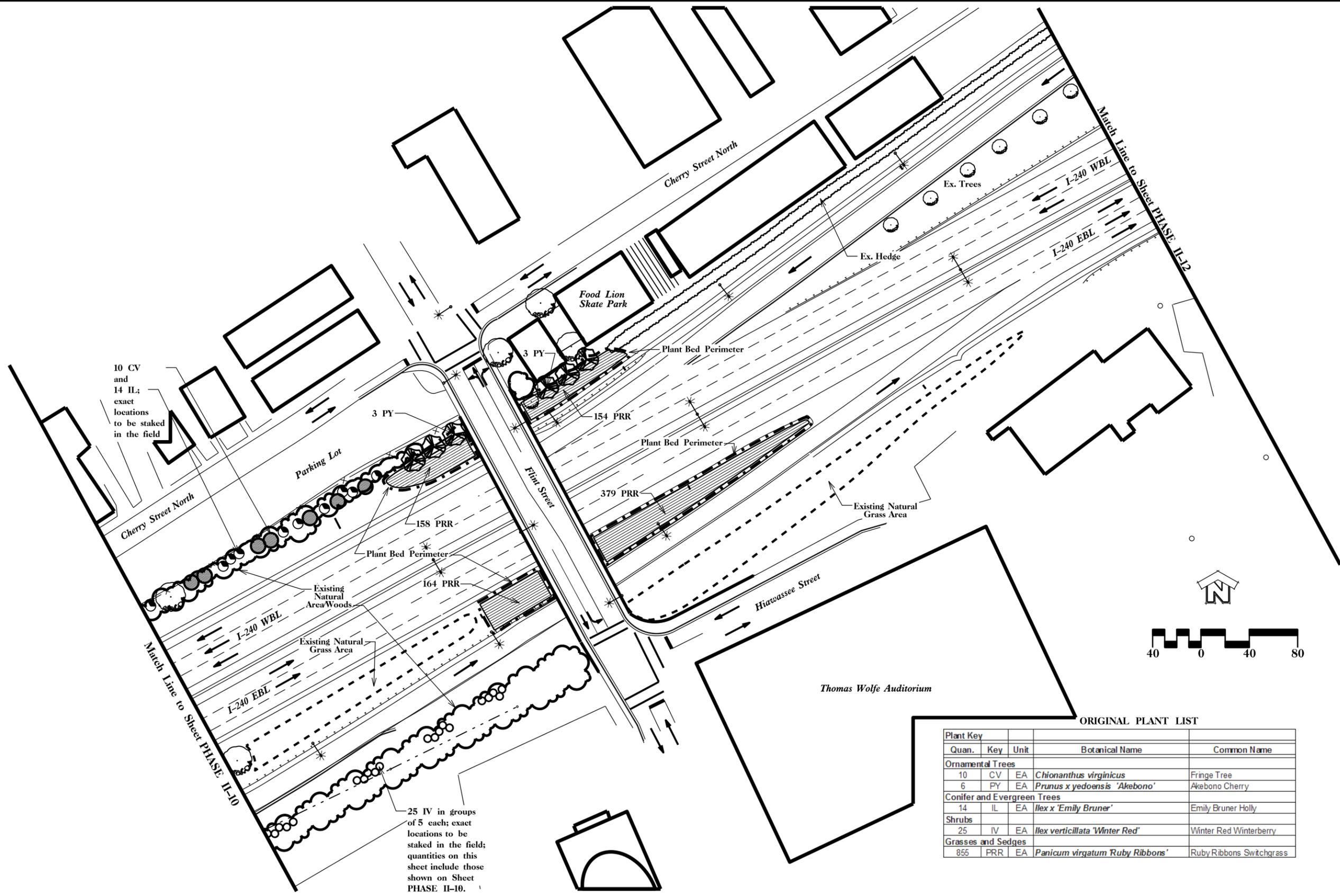
SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT  
 LANDSCAPE PLAN

ORIGINAL DATE: OCT 31, 2012 REPLACEMENT DATE: NOV. 7, 2014  
 PROJECT: I-240 CORE CORRIDOR  
 DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY



SHEET NO: PHASE II-10  
 TOTAL SHEET NO: 36



ORIGINAL PLANT LIST

Plant Key				
Quan.	Key	Unit	Botanical Name	Common Name
<b>Ornamental Trees</b>				
10	CV	EA	<i>Chionanthus virginicus</i>	Fringe Tree
6	PY	EA	<i>Prunus x yedoensis 'Akebono'</i>	Akebono Cherry
<b>Conifer and Evergreen Trees</b>				
14	IL	EA	<i>Ilex x 'Emily Bruner'</i>	Emily Bruner Holly
<b>Shrubs</b>				
25	IV	EA	<i>Ilex verticillata 'Winter Red'</i>	Winter Red Winterberry
<b>Grasses and Sedges</b>				
855	PRR	EA	<i>Panicum virgatum 'Ruby Ribbons'</i>	Ruby Ribbons Switchgrass

25 IV in groups of 5 each; exact locations to be staked in the field; quantities on this sheet include those shown on Sheet PHASE II-10.

10 CV and 14 IL; exact locations to be staked in the field



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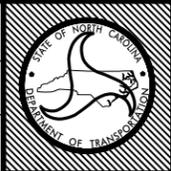
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 CORE CORRIDOR PLANTING  
 I-240 FROM MILE POST 3.4 TO 5.4



SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT  
 LANDSCAPE PLAN

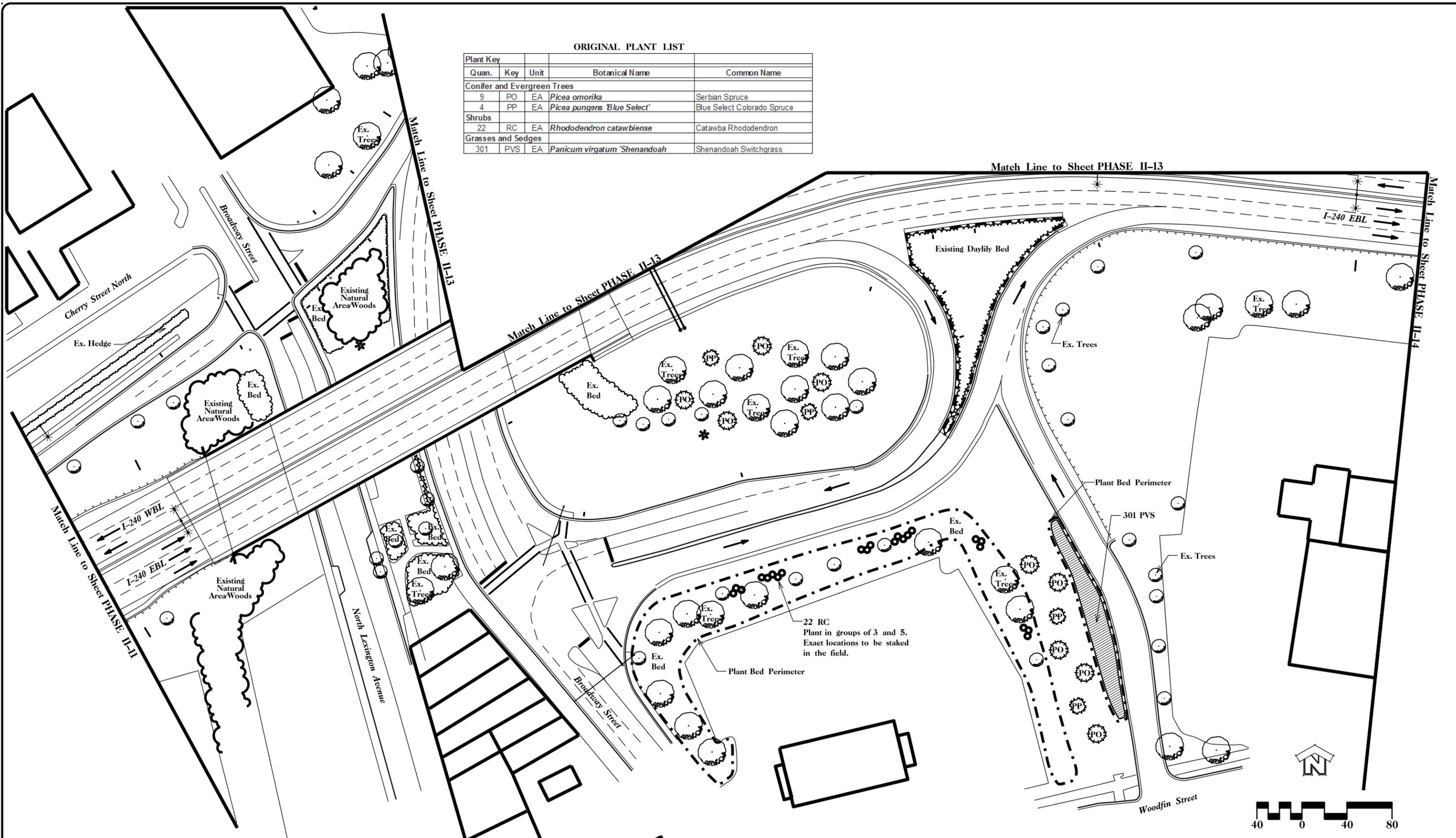
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 REPLACEMENT DATE: NOV. 7, 2014  
 PROJECT: I-240 CORE CORRIDOR  
 DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY



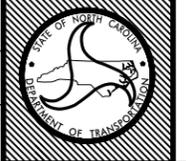
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 TOTAL SHEET NO: 36

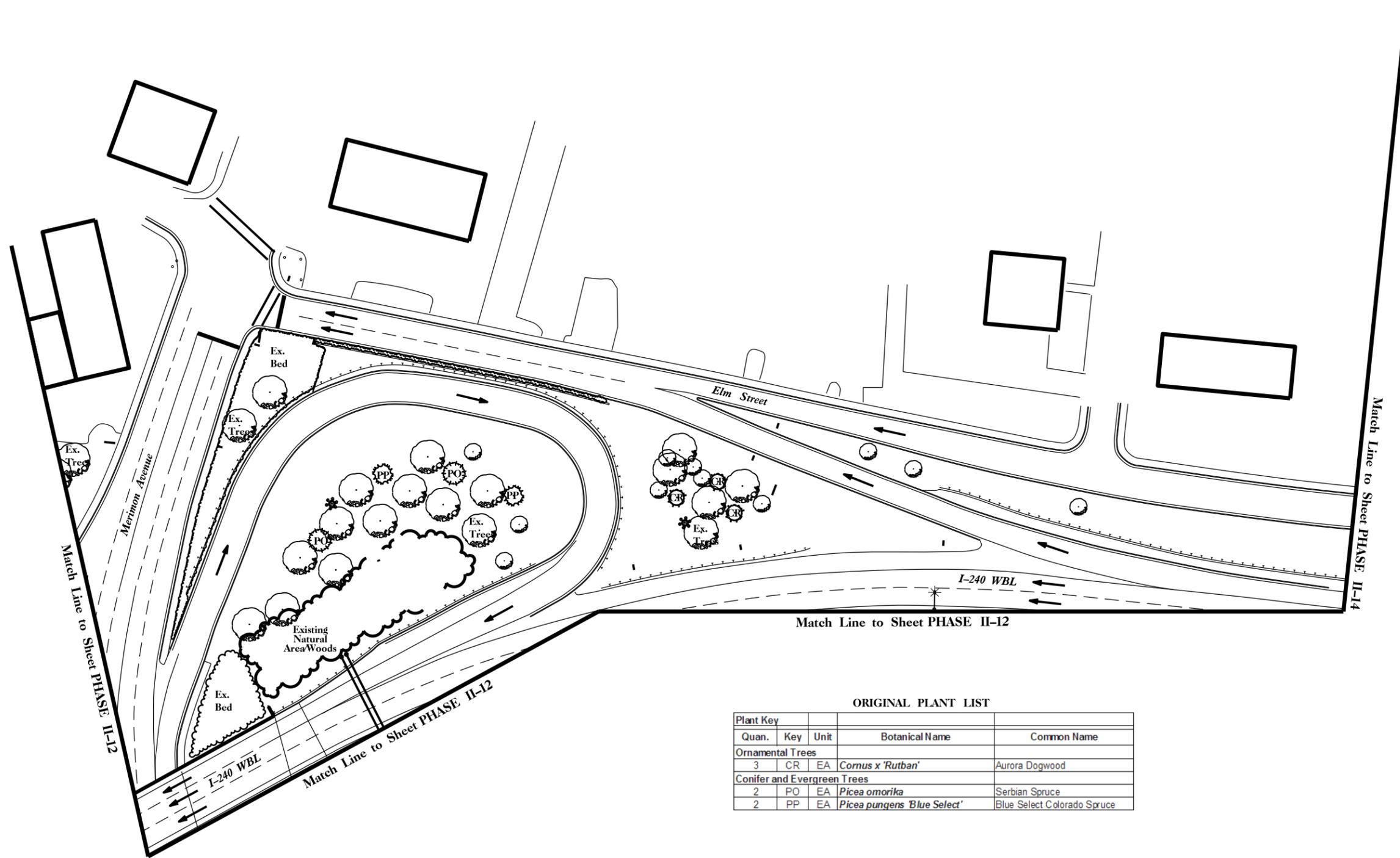
ORIGINAL PLANT LIST

Plant Key	Quan.	Key	Unit	Botanical Name	Common Name
Conifer and Evergreen Trees					
9	PO	EA		<i>Picea omorika</i>	Serbian Spruce
4	PP	EA		<i>Picea pungens</i> 'Blue Select'	Blue Select Colorado Spruce
Shrubs					
22	RC	EA		<i>Rhododendron catawbiense</i>	Catawba Rhododendron
Grasses and Sedges					
301	PVS	EA		<i>Panicum virgatum</i> 'Shenandoah'	Shenandoah Switchgrass



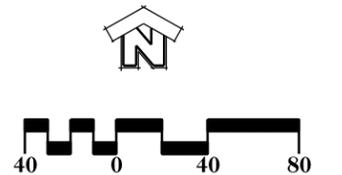
22 RC  
Plant in groups of 3 and 5.  
Exact locations to be staked  
in the field.

 <p>NCDOT - ROADSIDE ENVIRONMENTAL UNIT LANDSCAPE DESIGN &amp; DEVELOPMENT 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557 PH: 919-707-2920 FAX: 919-715-2554 <a href="http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/">HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/</a></p>	<p>I-240 ASHEVILLE, NC CORE CORRIDOR PLANTING I-240 FROM MILE POST 3.4 TO 5.4</p> 	<p>SHEET DESCRIPTION: LANDSCAPE DEVELOPMENT LANDSCAPE PLAN</p>	<p>ORIGINAL DATE: OCT 31, 2012 REPLACEMENT DATE: NOV 7, 2012</p>		<p>SHEET NO: PHASE II-12 TOTAL SHEET NO: 36</p>
			<p>PROJECT: I-240 CORE CORRIDOR DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY</p>		



ORIGINAL PLANT LIST

Plant Key				
Quan.	Key	Unit	Botanical Name	Common Name
<b>Ornamental Trees</b>				
3	CR	EA	<i>Cornus x 'Rutban'</i>	Aurora Dogwood
<b>Conifer and Evergreen Trees</b>				
2	PO	EA	<i>Picea omorika</i>	Serbian Spruce
2	PP	EA	<i>Picea pungens 'Blue Select'</i>	Blue Select Colorado Spruce



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I-240 ASHEVILLE, NC  
 CORE CORRIDOR PLANTING  
 I-240 FROM MILE POST 3.4 TO 5.4

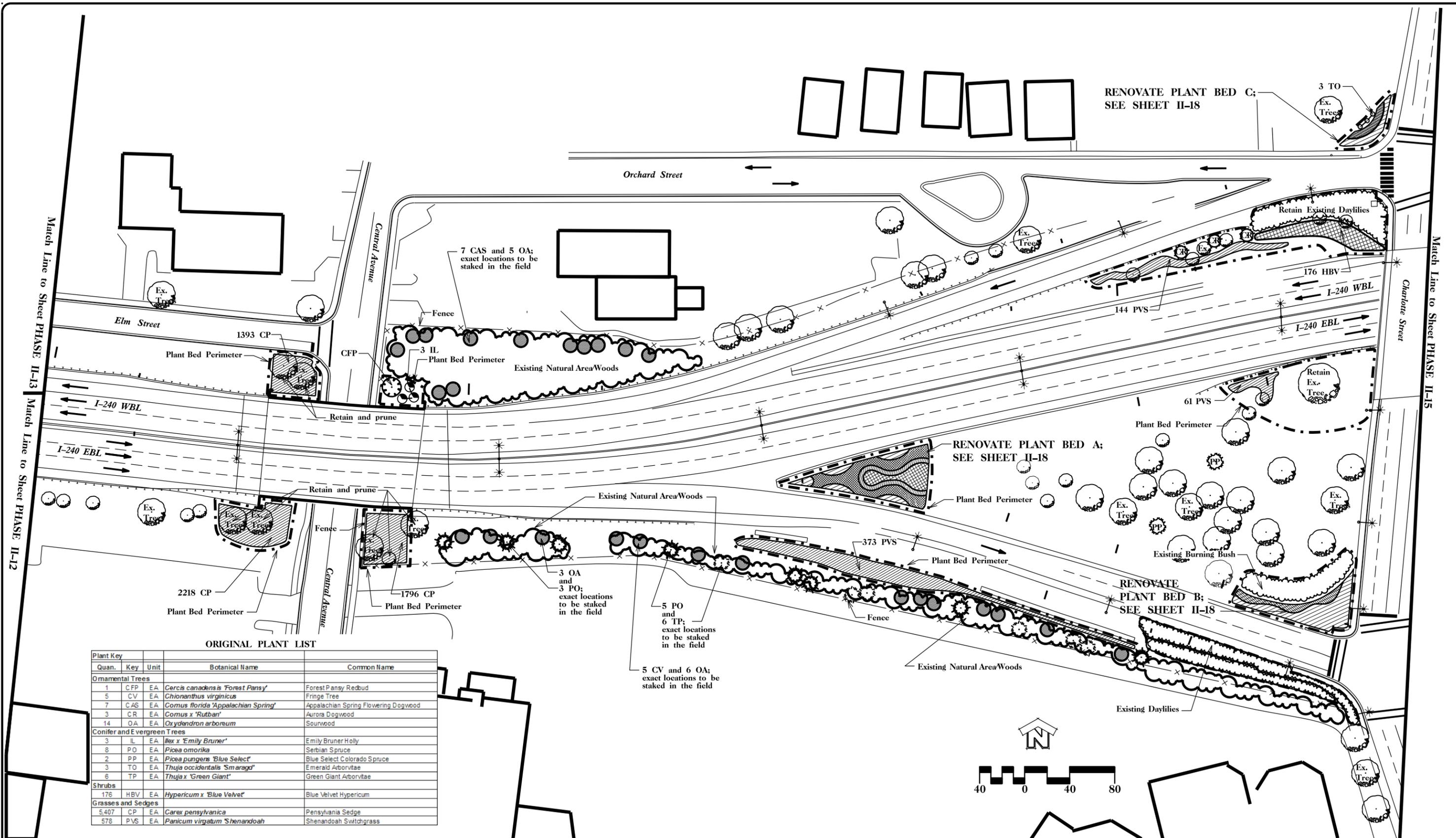


LANDSCAPE DEVELOPMENT  
 LANDSCAPE PLAN

ORIGINAL DATE: OCT 31, 2012 REPLACEMENT DATE: NOV 7, 2014  
 PROJECT: I-240 CORE CORRIDOR  
 DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY



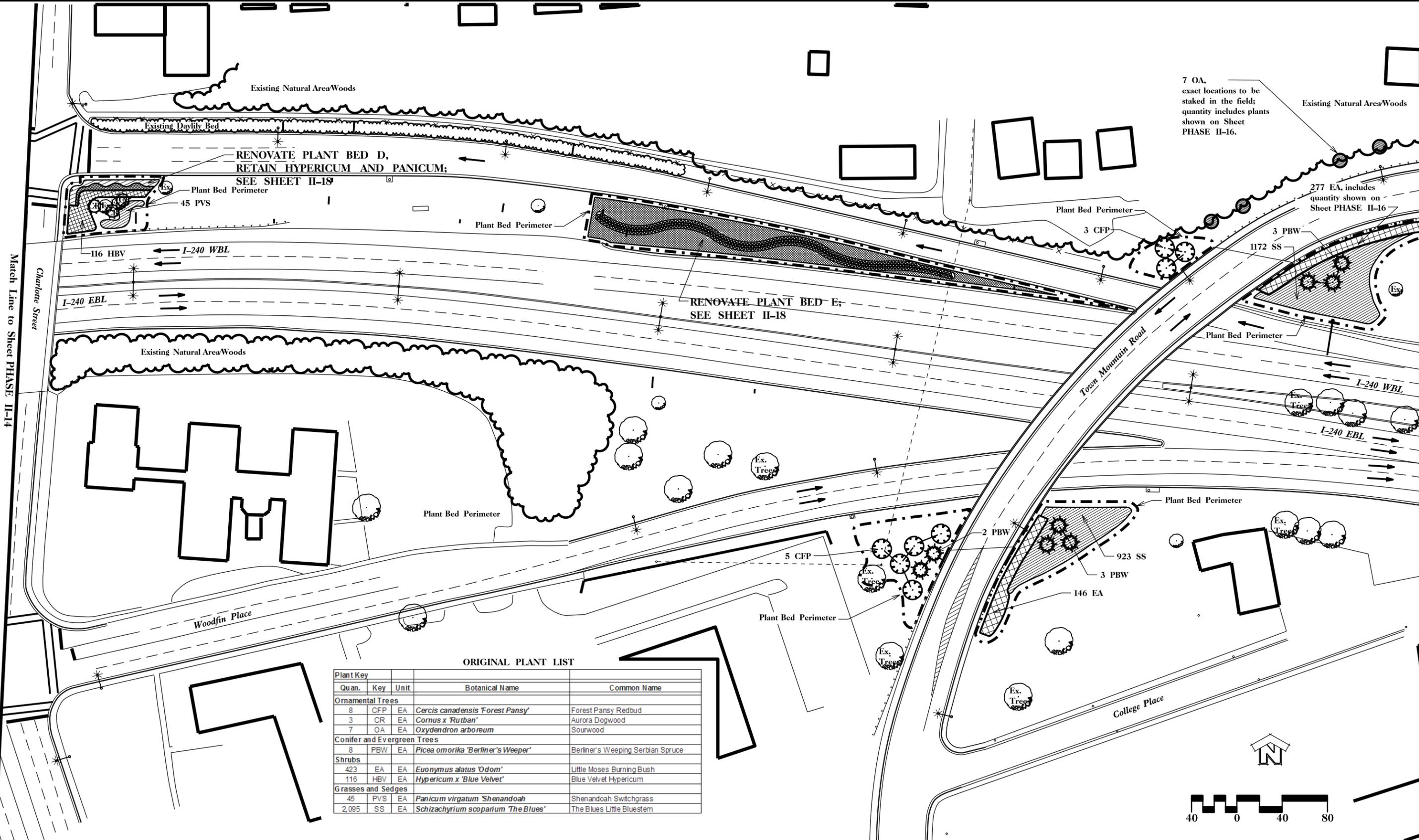
SHEET NO: PHASE II-13  
 TOTAL SHEET NO: 36



ORIGINAL PLANT LIST

Quan.	Key	Unit	Botanical Name	Common Name
<b>Ornamental Trees</b>				
1	CFP	EA	<i>Gercis canadensis 'Forest Pansy'</i>	Forest Pansy Redbud
5	CV	EA	<i>Chionanthus virginicus</i>	Fringe Tree
7	CAS	EA	<i>Cornus florida 'Appalachian Spring'</i>	Appalachian Spring Flowering Dogwood
3	CR	EA	<i>Cornus x 'Rutban'</i>	Aurora Dogwood
14	OA	EA	<i>Oxydendron arboreum</i>	Sourwood
<b>Conifer and Evergreen Trees</b>				
3	IL	EA	<i>Ilex x 'Emily Bruner'</i>	Emily Bruner Holly
8	PO	EA	<i>Picea omorika</i>	Serbian Spruce
2	PP	EA	<i>Picea pungens 'Blue Select'</i>	Blue Select Colorado Spruce
3	TO	EA	<i>Thuja occidentalis 'Smaragd'</i>	Emerald Arborvitae
6	TP	EA	<i>Thuja x 'Green Giant'</i>	Green Giant Arborvitae
<b>Shrubs</b>				
176	HBV	EA	<i>Hypericum x 'Blue Velvet'</i>	Blue Velvet Hypericum
<b>Grasses and Sedges</b>				
5,407	CP	EA	<i>Carex pensylvanica</i>	Pensylvania Sedge
578	PVS	EA	<i>Panicum virgatum 'Shenandoah'</i>	Shenandoah Switchgrass

	<p>NCDOT - ROADSIDE ENVIRONMENTAL UNIT  <b>LANDSCAPE DESIGN &amp; DEVELOPMENT</b>          1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557          PH: 919-707-2920 FAX: 919-715-2554  <a href="http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/">HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/</a></p>	<p><b>I-240 ASHEVILLE, NC          CORE CORRIDOR PLANTING</b>          I-240 FROM MILE POST 3.4 TO 5.4</p>		<p>SHEET DESCRIPTION:  <b>LANDSCAPE DEVELOPMENT</b>  <b>LANDSCAPE PLAN</b></p>	<p>ORIGINAL DATE: <b>OCT 31, 2012</b>      REPLACEMENT DATE: <b>NOV 7, 2014</b>          PROJECT:  <b>I-240 CORE CORRIDOR</b>          DIVISION AND COUNTY:  <b>DIVISION 13 - BUNCOMBE COUNTY</b></p>		<p>SHEET NO: <b>PHASE II-14</b>          TOTAL SHEET NO: <b>36</b></p>



ORIGINAL PLANT LIST

Plant Key				
Quan.	Key	Unit	Botanical Name	Common Name
<b>Ornamental Trees</b>				
8	CFP	EA	<i>Cercis canadensis</i> 'Forest Pansy'	Forest Pansy Redbud
3	CR	EA	<i>Cornus</i> x 'Rutban'	Aurora Dogwood
7	OA	EA	<i>Oxydendron arboreum</i>	Sourwood
<b>Conifer and Evergreen Trees</b>				
8	PBW	EA	<i>Picea omorika</i> 'Berliner's Weeper'	Berliner's Weeping Serbian Spruce
<b>Shrubs</b>				
423	EA	EA	<i>Euonymus alatus</i> 'Odom'	Little Moses Burning Bush
116	HBV	EA	<i>Hypericum</i> x 'Blue Velvet'	Blue Velvet Hypericum
<b>Grasses and Sedges</b>				
45	PVS	EA	<i>Panicum virgatum</i> 'Shenandoah'	Shenandoah Switchgrass
2,095	SS	EA	<i>Schizachyrium scoparium</i> 'The Blues'	The Blues Little Bluestem



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

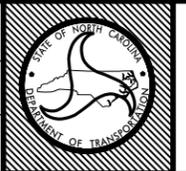
I-240 ASHEVILLE, NC  
 CORE CORRIDOR PLANTING  
 I-240 FROM MILE POST 3.4 TO 5.4



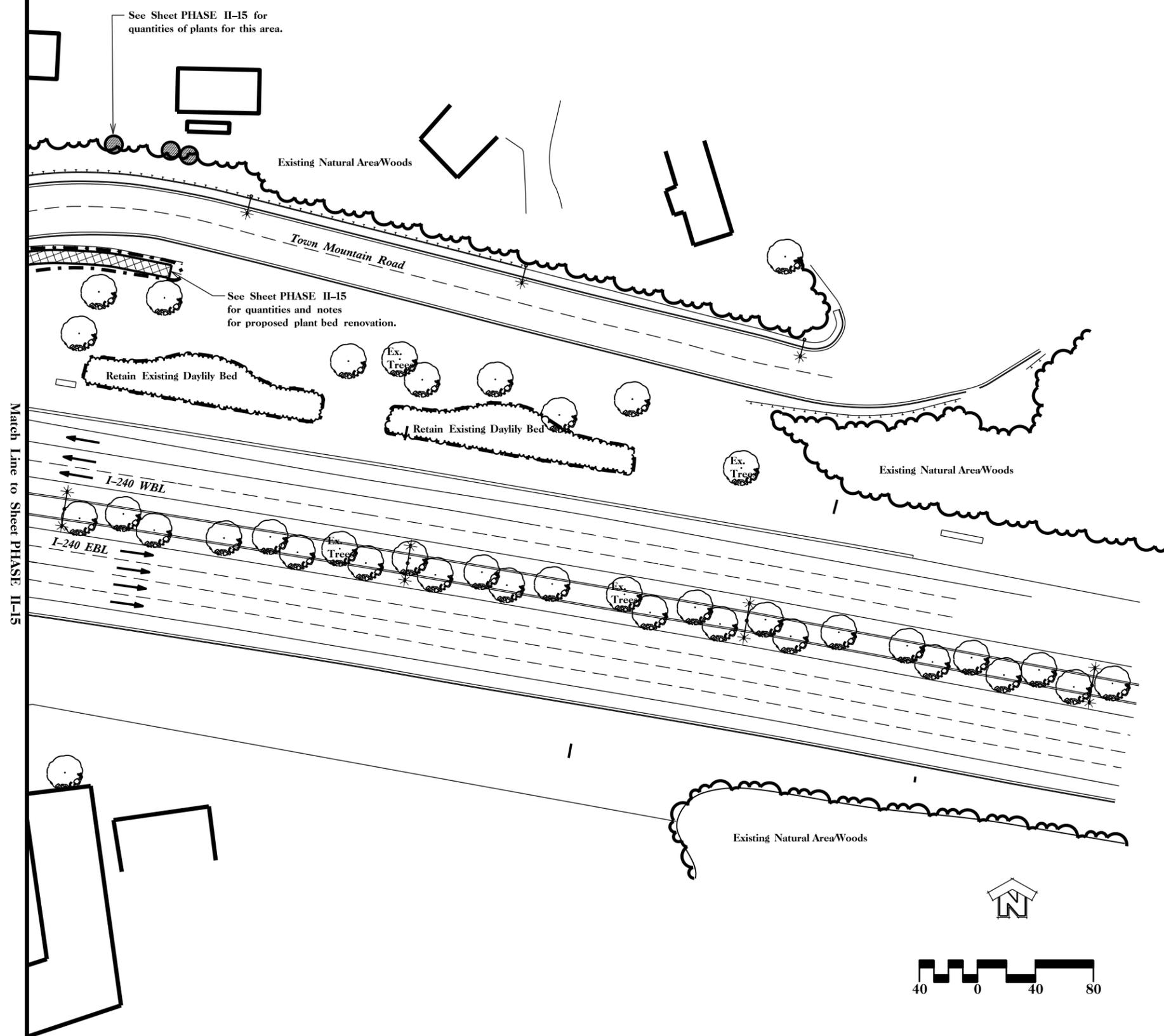
SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT  
 LANDSCAPE PLAN

ORIGINAL DATE: OCT 31, 2012 REPLACEMENT DATE: NOV 7, 2014  
 PROJECT: I-240 CORE CORRIDOR  
 DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY

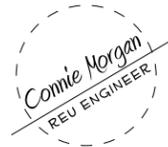


SHEET NO: PHASE II-15  
 TOTAL SHEET NO: 36



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

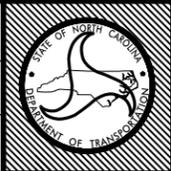
I-240 ASHEVILLE, NC  
 CORE CORRIDOR PLANTING  
 I-240 FROM MILE POST 3.4 TO 5.4



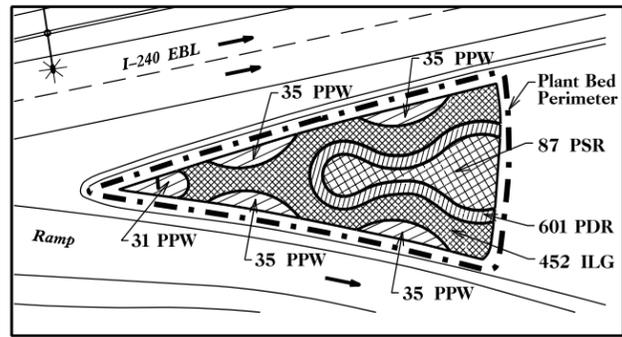
SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT
LANDSCAPE PLAN

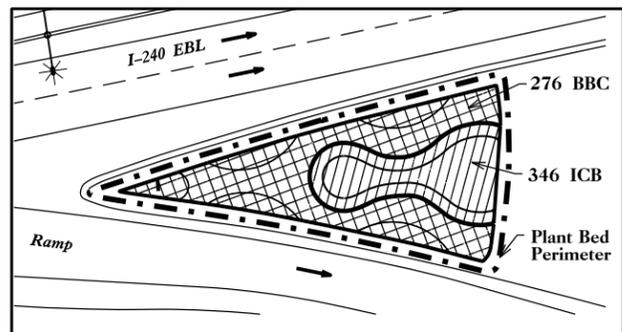
ORIGINAL DATE: OCT 31, 2012	REPLACEMENT DATE: NOV 7, 2014
PROJECT: I-240 CORE CORRIDOR	
DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY	



SHEET NO: PHASE II-16  
 TOTAL SHEET NO: 36

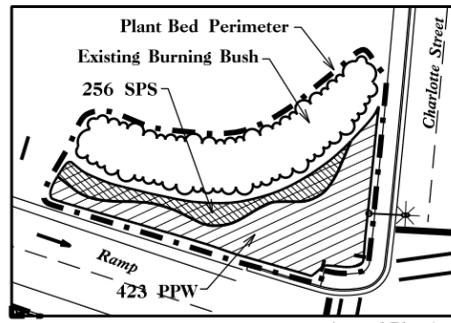


Annual Planting

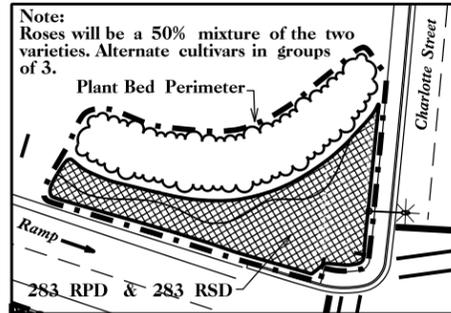


Renovated to Perennial Planting

Detail A

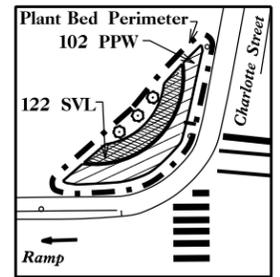


Annual Planting

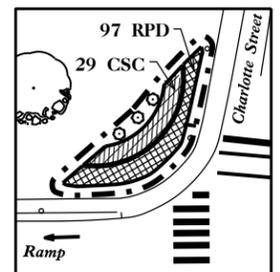


Renovated to Perennial Planting

Detail B

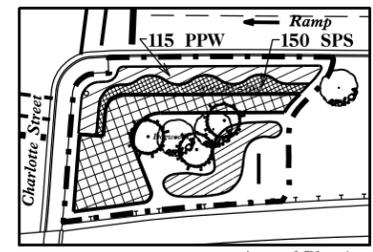


Annual Planting

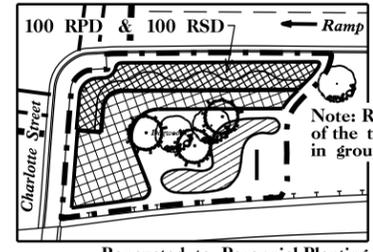


Renovated to Perennial Planting

Detail C



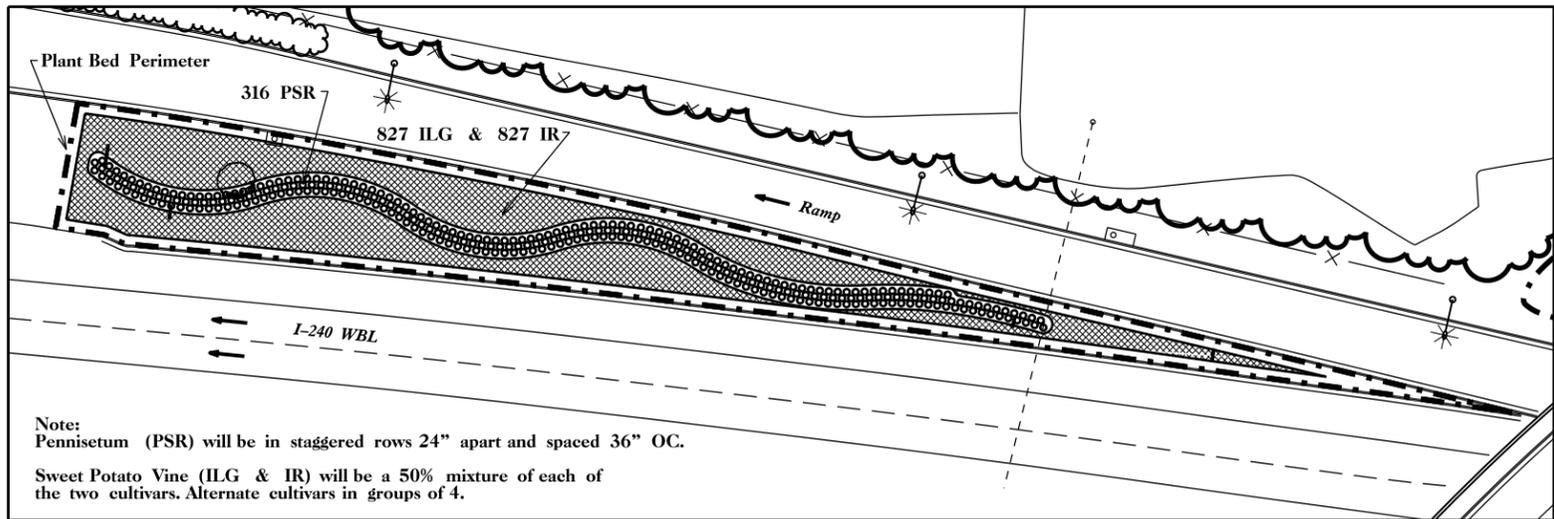
Annual Planting



Renovated to Perennial Planting

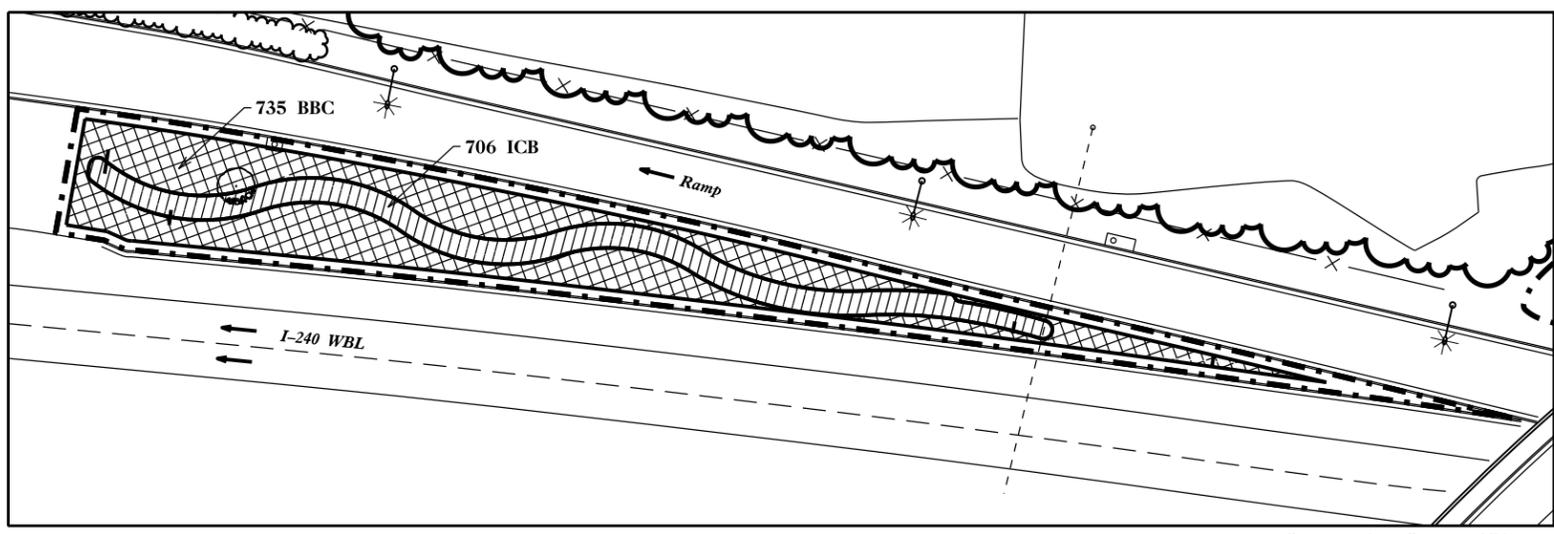
Detail D

Note: Roses will be a 50% mixture of the two varieties. Alternate cultivars in groups of 3.



Annual Planting

Note:  
 Pennisetum (PSR) will be in staggered rows 24" apart and spaced 36" OC.  
 Sweet Potato Vine (ILG & IR) will be a 50% mixture of each of the two cultivars. Alternate cultivars in groups of 4.



Renovated to Perennial Planting

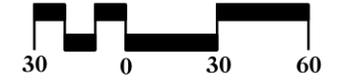
Detail E

ORIGINAL PLANT LIST

Plant Key		Botanical Name	Common Name
Quan.	Key	Unit	
<b>Shrubs</b>			
1,011	BBC	EA	<i>Buddleia x Lo and Behold 'Blue Chip'</i> Lo and Behold Blue Chip Buddleia
29	CSC	EA	<i>Clethra alnifolia 'Sixteen Candles'</i> Sixteen Candles Summersweet
480	RPD	EA	<i>Rosa x 'Mejocos'</i> Pink Drift Rose
383	RSD	EA	<i>Rosa x 'Meiswetdom'</i> Sweet Drift Rose
<b>Perennials</b>			
1,052	ICB	EA	<i>Iris sibirica 'Ceasar's Brother'</i> Ceasar's Brother Siberian Iris
<b>Annuals</b>			
1,279	ILG	EA	<i>Ipomoea 'Sweet Caroline Light Green'</i> Light Green Sweet Potato
827	IR	EA	<i>Ipomoea 'Sweet Caroline Raven'</i> Raven Sweet Potato
403	PSR	EA	<i>Pennisetum setaceum 'Rubrum'</i> Purple Fountain Grass
601	PDR	EA	<i>Pentas lanceolata 'Butterfly Deep Rose'</i> Butterfly Deep Rose Star Cluster
811	PPW	EA	<i>Petunia x hybrida 'Purple Wave Classic'</i> Classic Purple Wave Petunia
122	SVL	EA	<i>Solenostemon scutellarioides 'Versa Lime'</i> Versa Lime Coleus
406	SPS	EA	<i>Strobilanthes dyeriana 'Persian Shield'</i> Persian Shield

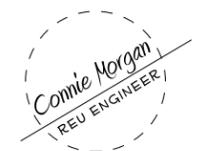
Note  
 Existing plant beds will be renovated. Initial planting in Spring/Summer of 2013 will consist of annuals. Annuals will be replaced with perennial planting during appropriate planting season following summer of 2013.

\* The proposed annual replacements were revised in the field. The actual plants in beds at this time may not match those shown on this plan or key.



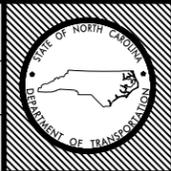
NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
 HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\_CHIEF\_ENG/ROADSIDE/

I-240 ASHEVILLE, NC  
 CORE CORRIDOR PLANTING  
 I-240 FROM MILE POST 3.4 TO 5.4

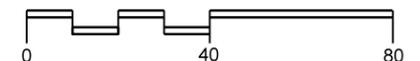
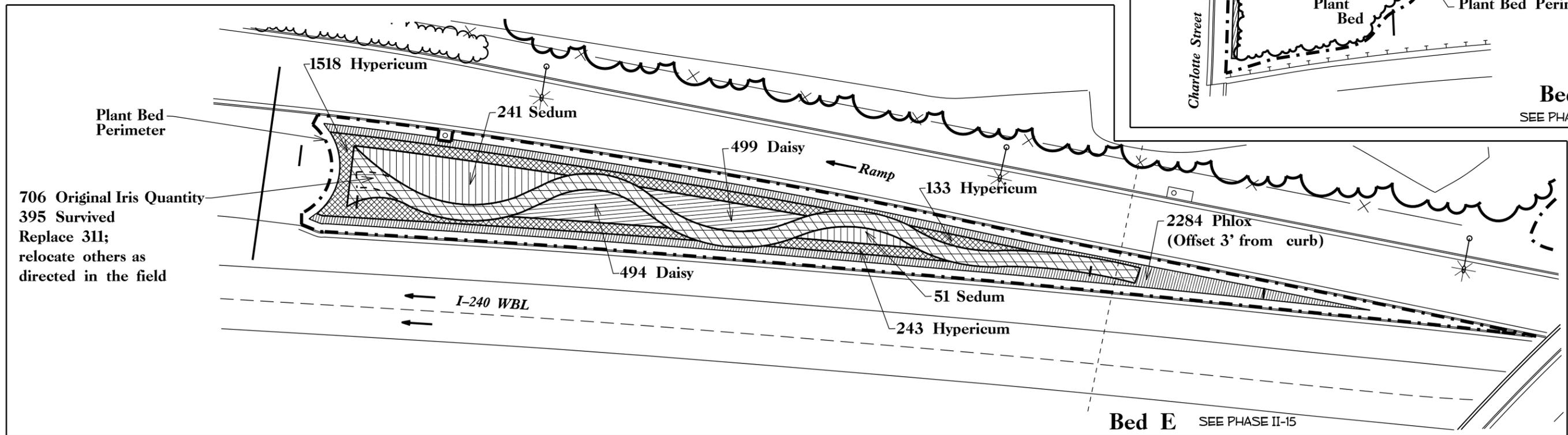
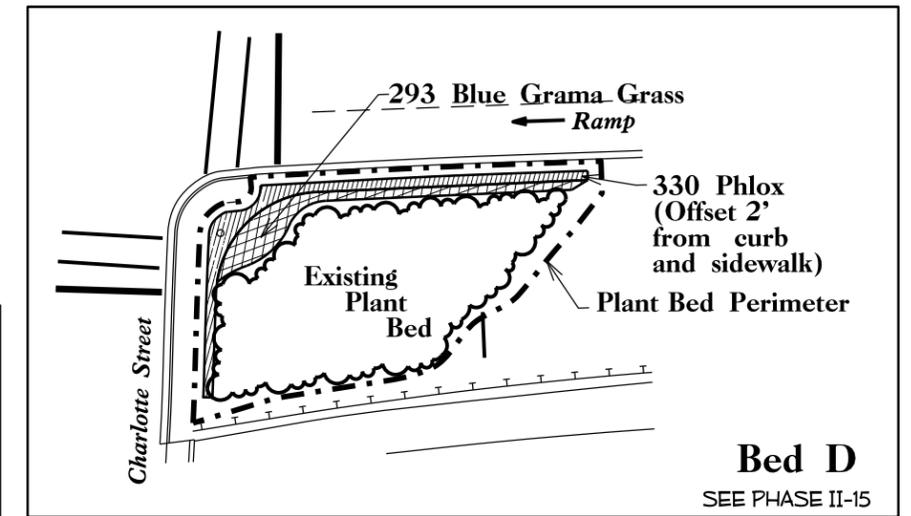
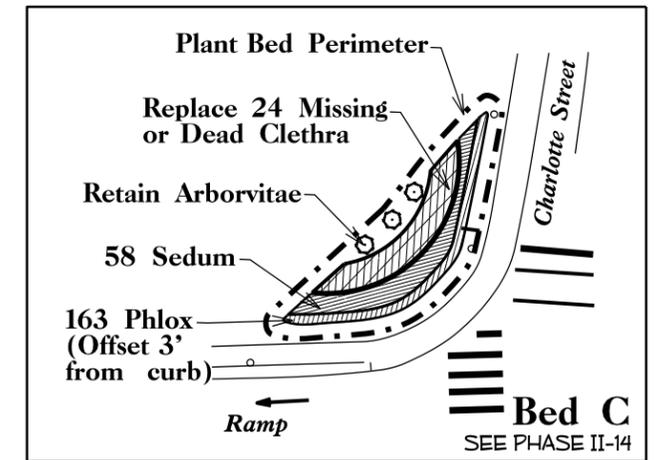
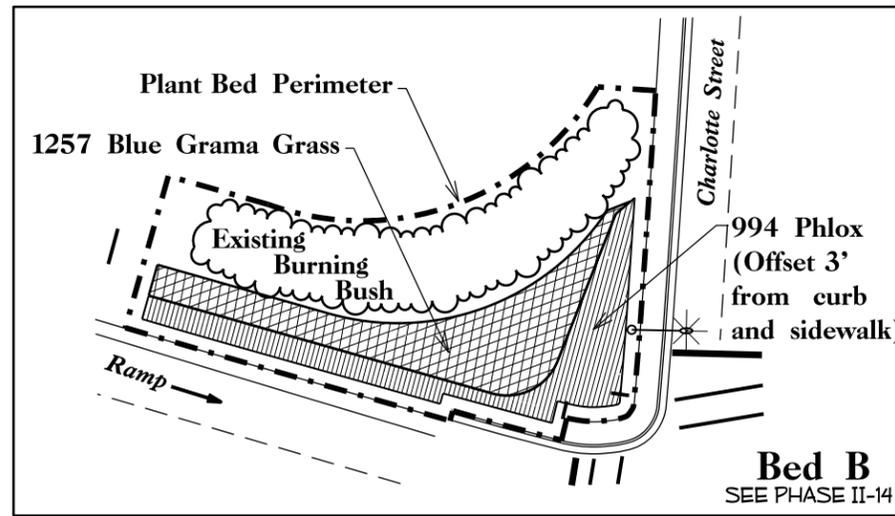
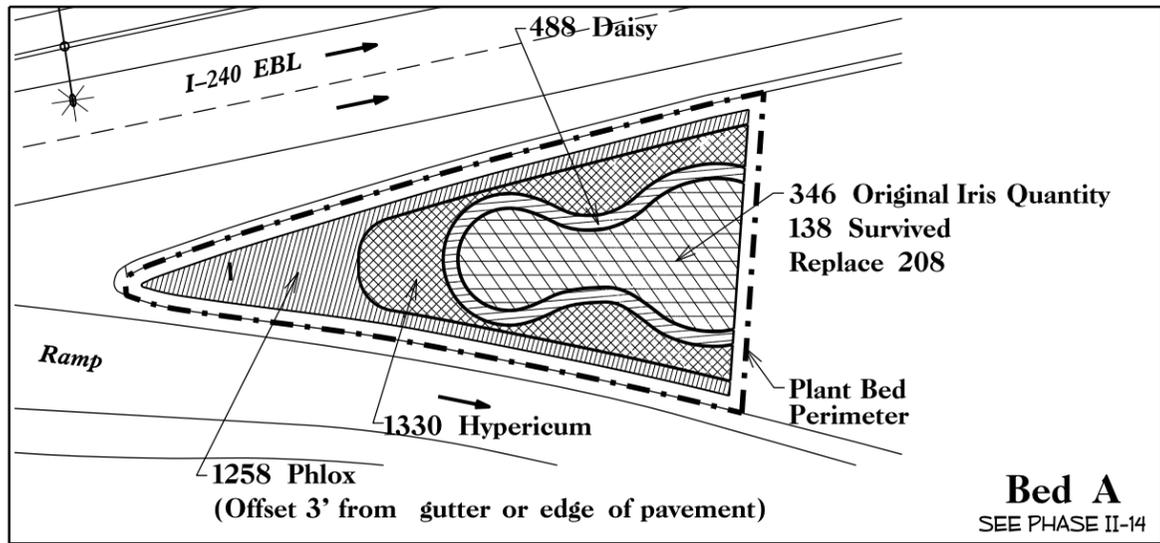


LANDSCAPE DEVELOPMENT  
 ANNUAL PLANTING AND RENOVATED PERENNIAL PLANTING DETAILS

ORIGINAL DATE: OCT 31, 2012 REPLACEMENT DATE: NOV 7, 2014  
 PROJECT: I-240 CORE CORRIDOR  
 DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY



SHEET NO: PHASE II-17  
 TOTAL SHEET NO: 36



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
LANDSCAPE DESIGN & DEVELOPMENT  
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PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

**I-240 ASHEVILLE, NC  
CORE CORRIDOR PLANTING**  
I-240 FROM MILE POST 3.4 TO 5.4



SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT

CHARLOTTE STREET  
BED RENOVATIONS

REPLACEMENT DATE:  
NOVEMBER 7, 2014

PROJECT:  
I-240 CORE CORRIDOR

DIVISION AND COUNTY:  
DIVISION 13 - BUNCOMBE COUNTY



SHEET NO: PHASE II-18

TOTAL SHEET NO: 36



# PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT

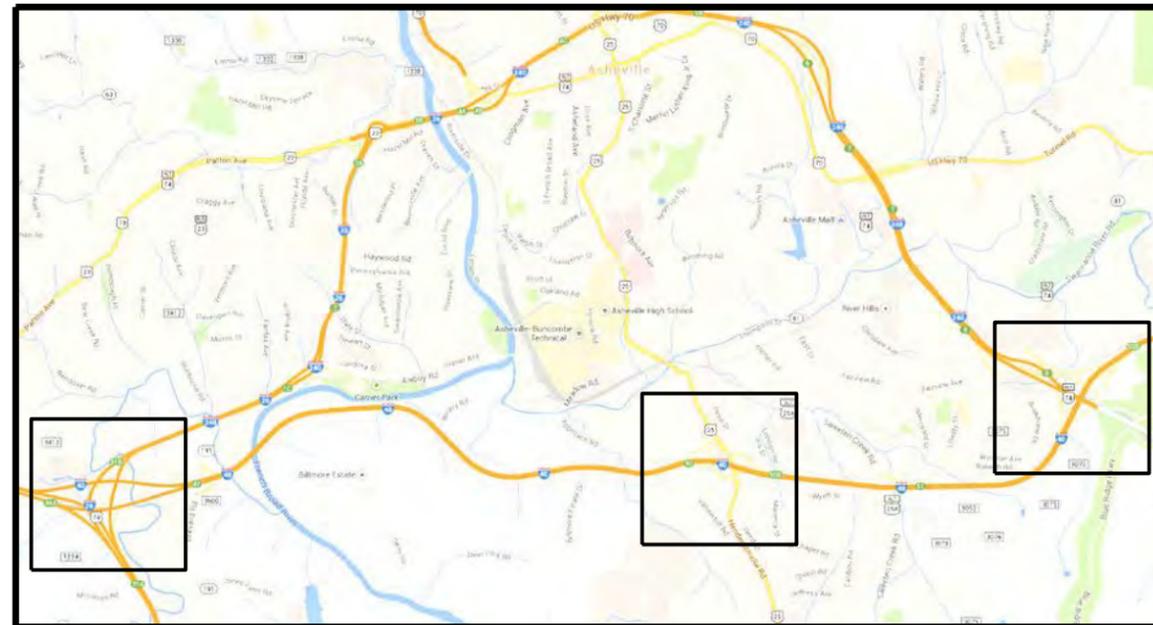


T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
NA		PHASE III-19	36
FED. PROJ. #	DESCRIPTION		DIVISION
NA	I-40 ASHEVILLE GATEWAYS		13



PROJECT LOCATION

Vicinity Map



## ORIGINAL PLANT LIST

Quan.	Unit	Botanical Name	Common Name	Furnish	ASNS	Spacing
<b>Ornamental Trees</b>						
85	EA	<i>Cercis canadensis</i> 'Heart of Gold'	Hearts of Gold Redbud	1 1/2-2" Cal, B&B, Single straight trunk, Heavily branched, Matched specimens	1.2.3	12 x 12' Grid
33	EA	<i>Cornus florida</i> 'Appalachian Spring'	Appalachian Spring Flowering Dogwood	5-6', Single Straight Trunk, Well branched	1.2.4	To be field staked
7	EA	<i>Cornus x 'Rutban'</i>	Aurora Dogwood	2-2 1/2" Cal, B&B, Single straight trunk, Heavily branched, Matched specimens	1.2.4	To be field staked
5	EA	<i>Cornus x 'Rutgan'</i>	Stellar Pink Dogwood	2-2 1/2" Cal, B&B, Single straight trunk, Heavily branched, Matched specimens	1.2.4	To be field staked
54	EA	<i>Oxydendron arboreum</i>	Sourwood	5-6', Single Straight Trunk, Well branched	1.2.3	To be field staked
<b>Conifer and Evergreen Trees</b>						
4	EA	<i>Ilex x 'Nellie R. Stevens'</i>	Nellie R. Stevens Holly	6-8', B&B, Heavy and full to ground	4.2.4	As shown
41	EA	<i>Picea omorika</i>	Serbian Spruce	12-14', B&B, Full to ground, Matched specimens	3.2.4	To be field staked
11	EA	<i>Picea pungens 'Blue Select'</i>	Blue Select Colorado Spruce	12-14', B&B, Full to ground, Matched specimens	3.2.4	To be field staked
<b>Grasses and Sedges</b>						
3,202	EA	<i>Andropogon glomeratus</i>	Bushy Bluestem	3 1/2 to 4" Pot, Tray of 18, Must be fully rooted into this container with full top growth and weed free	12.2.5	3' OC
2,916	EA	<i>Chasmanthium latifolia</i>	River Oats	3 1/2 to 4" Pot, Tray of 18, Must be fully rooted into this container with full top growth and weed free	12.2.5	3' OC
526	EA	<i>Muhlenbergia capillaris 'White Cloud'</i>	White Cloud Munly Grass	3 1/2 to 4" Pot, Tray of 18, Must be fully rooted into this container with full top growth and weed free	12.2.5	3' OC
1,516	EA	<i>Panicum virgatum 'Cloud Nine'</i>	Cloud Nine Switchgrass	3 1/2 to 4" Pot, Tray of 18, Must be fully rooted into this container with full top growth and weed free	12.2.5	5' OC
50	EA	<i>Panicum virgatum 'Heavy Metal'</i>	Heavy Metal Switchgrass	3 1/2 to 4" Pot, Tray of 18, Must be fully rooted into this container with full top growth and weed free	12.2.5	3' OC
1,226	EA	<i>Panicum virgatum 'Northwind'</i>	Northwind Switchgrass	3 1/2 to 4" Pot, Tray of 18, Must be fully rooted into this container with full top growth and weed free	12.2.5	4' OC
590	EA	<i>Panicum virgatum 'Shenandoah'</i>	Shenandoah Switchgrass	3 1/2 to 4" Pot, Tray of 18, Must be fully rooted into this container with full top growth and weed free	12.2.5	3' OC
137	EA	<i>Schizachyrium scoparium 'The Blues'</i>	The Blues Little Bluestem	3 1/2 to 4" Pot, Tray of 18, Must be fully rooted into this container with full top growth and weed free	12.2.5	2' OC

Note: See Sheets Phase III-21, 25 and 32 for replacement of entire group of plants within a plant bed and other renovations. All other locations for replacement plants will be identified by the Engineer in the field.

### CONVENTIONAL SYMBOLS

County Line	-----
City or Town Line	-----
Exist. Right of Way Line Marker	-----▲-----
Prop. Right of Way Line Marker (By Other)	-----▲-----
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:

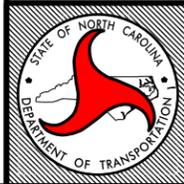
PHASE III-19.....	TITLE, DESCRIPTION, SUMMARY OF QUANTITIES
PHASE III-20-25...	LANDSCAPE PLANS GATEWAY WEST
PHASE III-26-30...	LANDSCAPE PLANS FEATURE BILTMORE
PHASE III-31-33....	LANDSCAPE PLANS GATEWAY EAST

PREPARED BY: CSM

ORIGINAL DATE: DEC. 10, 2012

REPLACEMENT DATE: NOV. 7, 2014

I-40 ASHEVILLE GATEWAY AND FEATURE INTERCHANGES



STATE OF  
**NORTH CAROLINA**  
DEPARTMENT OF TRANSPORTATION

LOCATION: I-40/I-240/I-26 TO THE WEST SIDE OF ASEHVILLE, I-40/I-240 TO THE EAST SIDE OF ASHEVILLE, AND I-40/US 25 AT BILTMORE VILLAGE

TYPE OF WORK: LANDSCAPE PLANTING

COUNTY: BUNCOMBE COUNTY

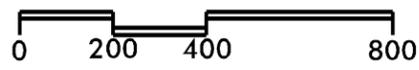
DIVISION: 13  
55 ORANGE STREET, ASHEVILLE, NC 28801

DIV. ENG.: J. J. SWAIN, JR., PE

DIV. ROADSIDE DEPT. ENG.: KEITH BLAZER

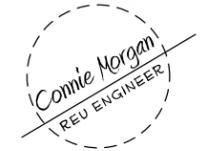
2004 American Standard for Nursery Stock  
2012 NCDOT STANDARD SPECIFICATIONS

PREPARED IN THE OFFICE OF:  
NCDOT- ROADSIDE ENVIRONMENTAL UNIT  
LANDSCAPE DESIGN & DEVELOPMENT SECTION  
1557 MAIL SERVICE CENTER  
RALEIGH NC 27699 919-707-2920



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**

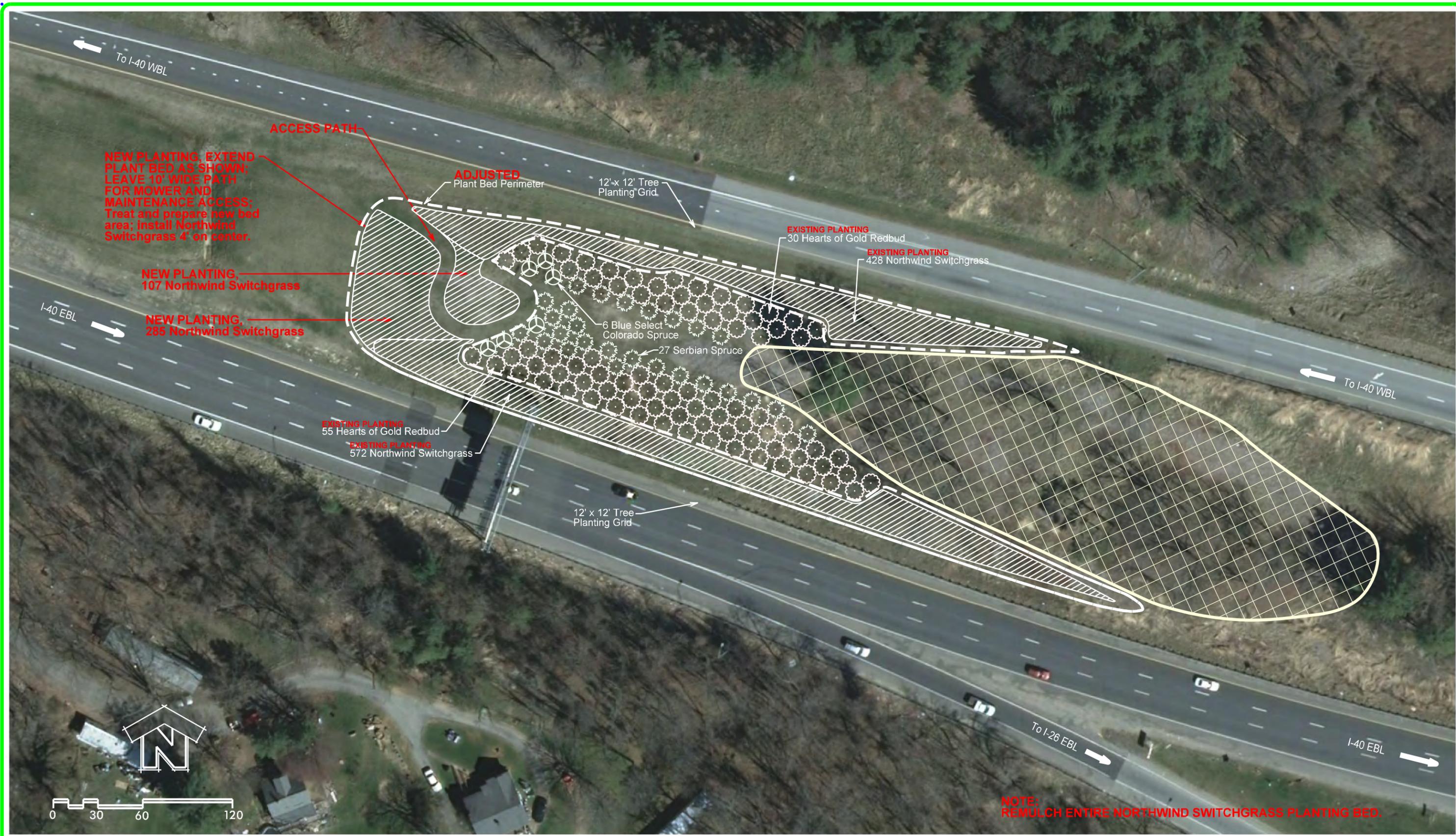


SHEET DESCRIPTION:  
**LANDSCAPE DEVELOPMENT**  
 I-40 / I-26 / I-240 GATEWAY WEST  
 OVERALL INTERCHANGE PLAN

ORIGINAL DATE: **DEC. 10, 2012** REPLACEMENT DATE: **NOV. 7, 2014**  
 PROJECT: **GATEWAY & FEATURE INTERCHANGES**  
 DIVISION AND COUNTY:  
**DIVISION 13 - BUNCOMBE COUNTY**



SHEET NO: **PHASE III-20**  
 TOTAL SHEET NO: **36**



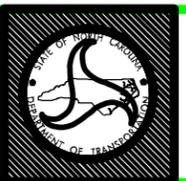
NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**



SHEET DESCRIPTION:  
 LANDSCAPE DEVELOPMENT  
 I-40 / I-26 / I-240 GATEWAY WEST  
 SITE #1 PLANTING PLAN  
 PHASE ONE

ORIGINAL DATE: DEC. 10, 2012  
 REPLACEMENT DATE: NOV. 7, 2014  
 PROJECT: GATEWAY & FEATURE INTERCHANGES  
 DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY

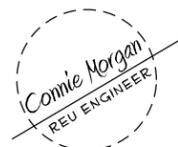


SHEET NO: PHASE III-21  
 TOTAL SHEET NO: 36



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**



SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT

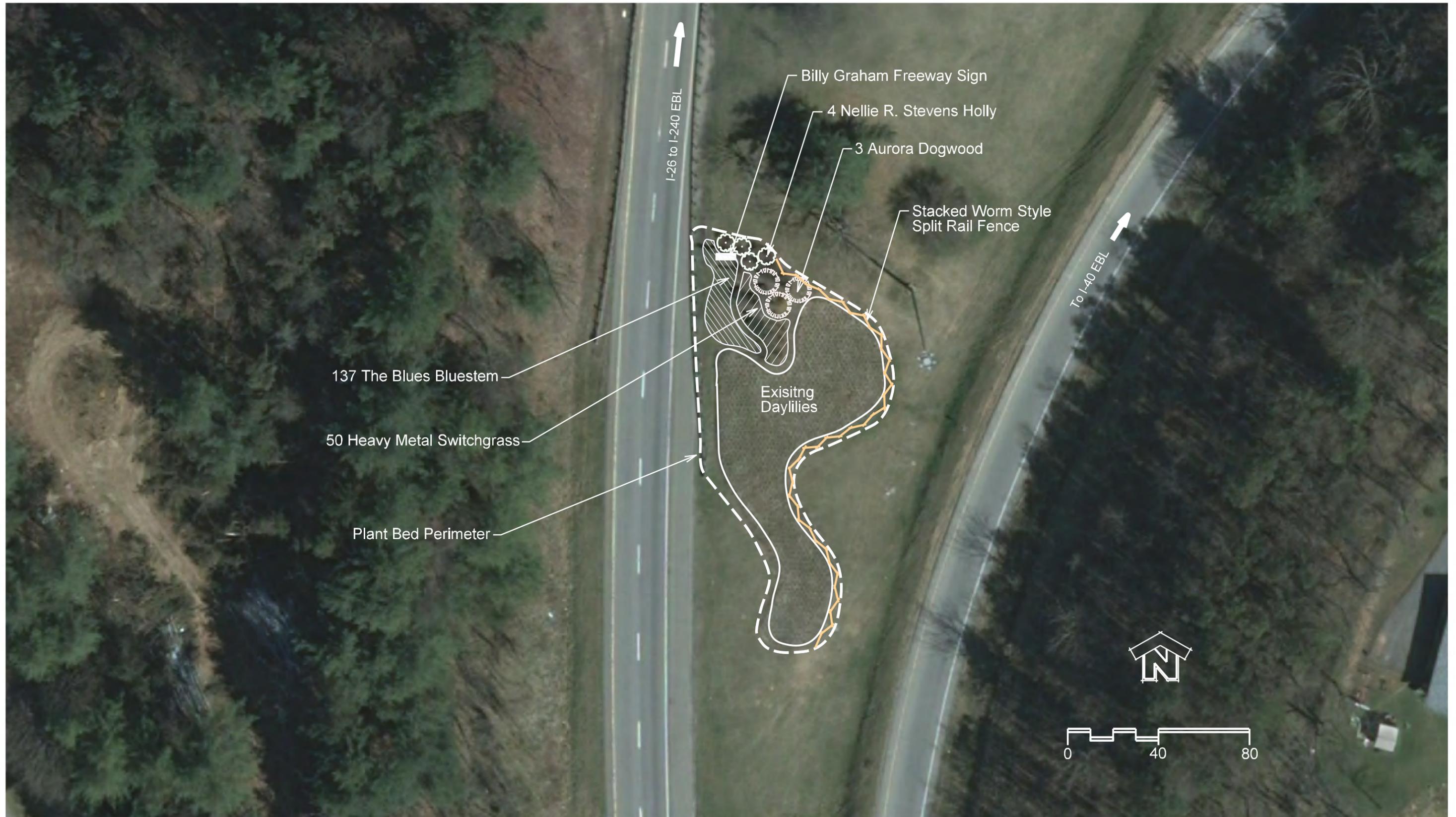
I-40 / I-26 / I-240 GATEWAY WEST  
 SITE #2 PLANTING PLAN

ORIGINAL DATE:	REPLACEMENT DATE:
DEC. 10, 2012	NOV. 7, 2014
PROJECT: GATEWAY & FEATURE INTERCHANGES	
DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY	



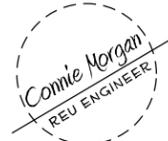
SHEET NO: PHASE III-22

TOTAL SHEET NO: 36



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**



SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT

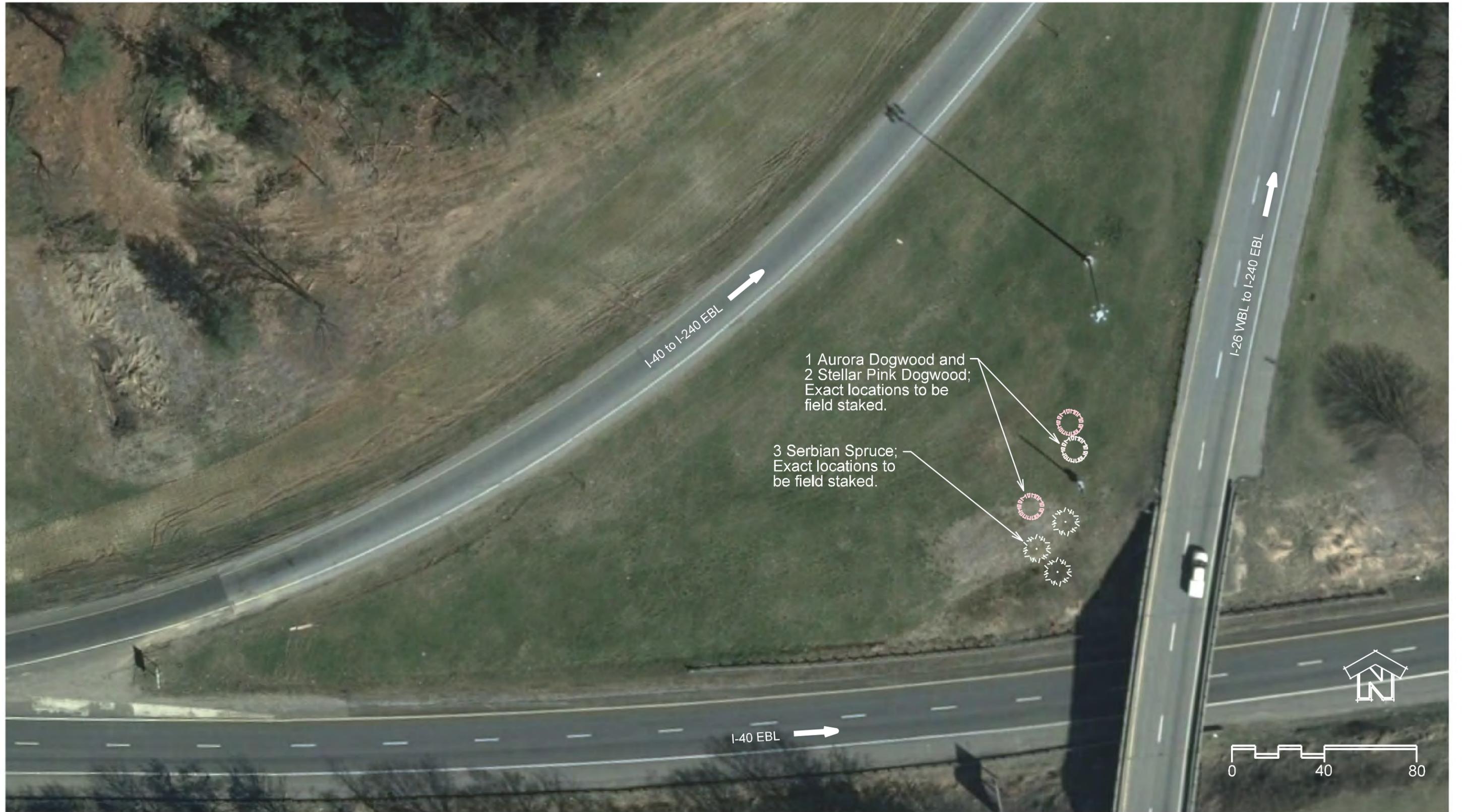
I-40 / I-26 / I-240 GATEWAY WEST  
 SITE #3 PLANTING PLAN

ORIGINAL DATE: DEC. 10, 2012      REPLACEMENT DATE: NOV. 7, 2014  
 PROJECT: GATEWAY & FEATURE INTERCHANGES  
 DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY



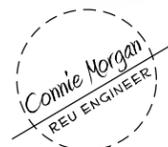
SHEET NO: PHASE III-23

TOTAL SHEET NO: 36



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**



SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT  
 I-40 / I-26 / I-240 GATEWAY WEST  
 SITE #4 PLANTING PLAN

ORIGINAL DATE:	REPLACEMENT DATE:
DEC. 10, 2012	NOV. 7, 2014
PROJECT: GATEWAY & FEATURE INTERCHANGES	
DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY	

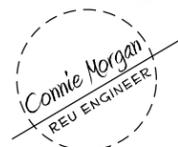


SHEET NO: PHASE III-24  
 TOTAL SHEET NO: 36



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**

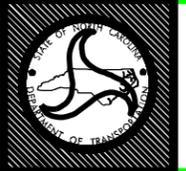


SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT

I-40 / I-26 / I-240 GATEWAY WEST  
 SITE #5 PLANTING PLAN

ORIGINAL DATE:	REPLACEMENT DATE:
DEC. 10, 2012	NOV. 7, 2014
PROJECT: GATEWAY & FEATURE INTERCHANGES	
DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY	



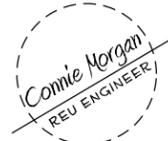
SHEET NO: PHASE III-25

TOTAL SHEET NO: 36



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**



SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT  
 I-40 / US 25 FEATURE INTERCHANGE  
 BILTMORE  
 OVERALL INTERCHANGE PLAN

ORIGINAL DATE: DEC. 10, 2012	REPLACEMENT DATE: NOV. 7, 2014
PROJECT: GATEWAY & FEATURE INTERCHANGES	
DIVISION AND COUNTY: DIVISION 13 - Buncombe County	



SHEET NO: PHASE III-26

TOTAL SHEET NO: 36



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

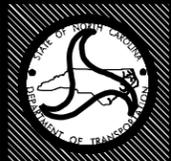
**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**



SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT  
 I-40 / US 25 FEATURE INTERCHANGE  
 BILTMORE  
 SITE #1 PLANTING PLAN

ORIGINAL DATE: DEC. 10, 2012	REPLACEMENT DATE: NOV. 7, 2014
PROJECT: GATEWAY & FEATURE INTERCHANGES	
DIVISION AND COUNTY: DIVISION 13 - Buncombe County	



SHEET NO: PHASE III-27  
 TOTAL SHEET NO: 36



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

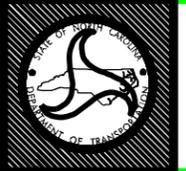
**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**



SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT  
 I-40 / US 25 FEATURE INTERCHANGE  
 BILTMORE  
 SITE #2 PLANTING PLAN

ORIGINAL DATE: DEC. 10, 2012  
 REPLACEMENT DATE: NOV. 7, 2014  
 PROJECT: GATEWAY & FEATURE INTERCHANGES  
 DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY



SHEET NO: PHASE III-28

TOTAL SHEET NO: 36



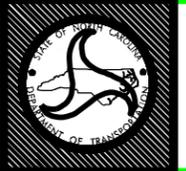
NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**

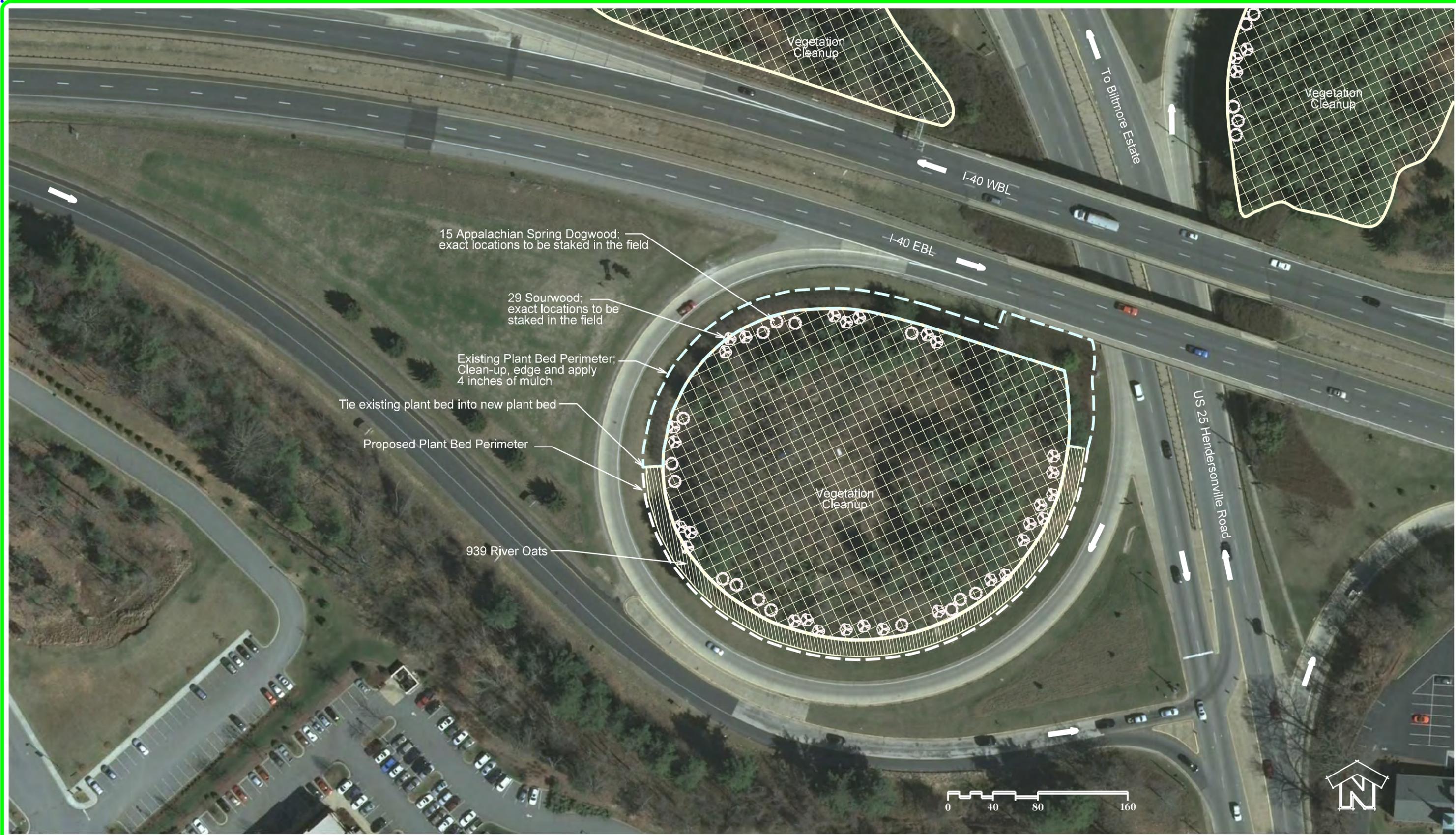


SHEET DESCRIPTION:  
 LANDSCAPE DEVELOPMENT  
 I-40 / US 25 FEATURE INTERCHANGE  
 BILTMORE  
 SITE #3 PLANTING PLAN

ORIGINAL DATE: DEC. 10, 2012  
 REPLACEMENT DATE: NOV. 7, 2014  
 PROJECT: GATEWAY & FEATURE INTERCHANGES  
 DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY



SHEET NO: PHASE III-29  
 TOTAL SHEET NO: 36



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

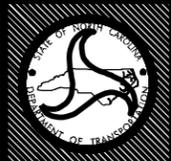
**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**



SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT  
 I-40 / US 25 FEATURE INTERCHANGE  
 BILTMORE  
 SITE #4 PLANTING PLAN

ORIGINAL DATE: DEC. 10, 2012    REPLACEMENT DATE: NOV. 7, 2014  
 PROJECT: GATEWAY & FEATURE INTERCHANGES  
 DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY



SHEET NO: PHASE III-30

TOTAL SHEET NO: 36



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

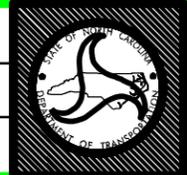
**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**



SHEET DESCRIPTION:

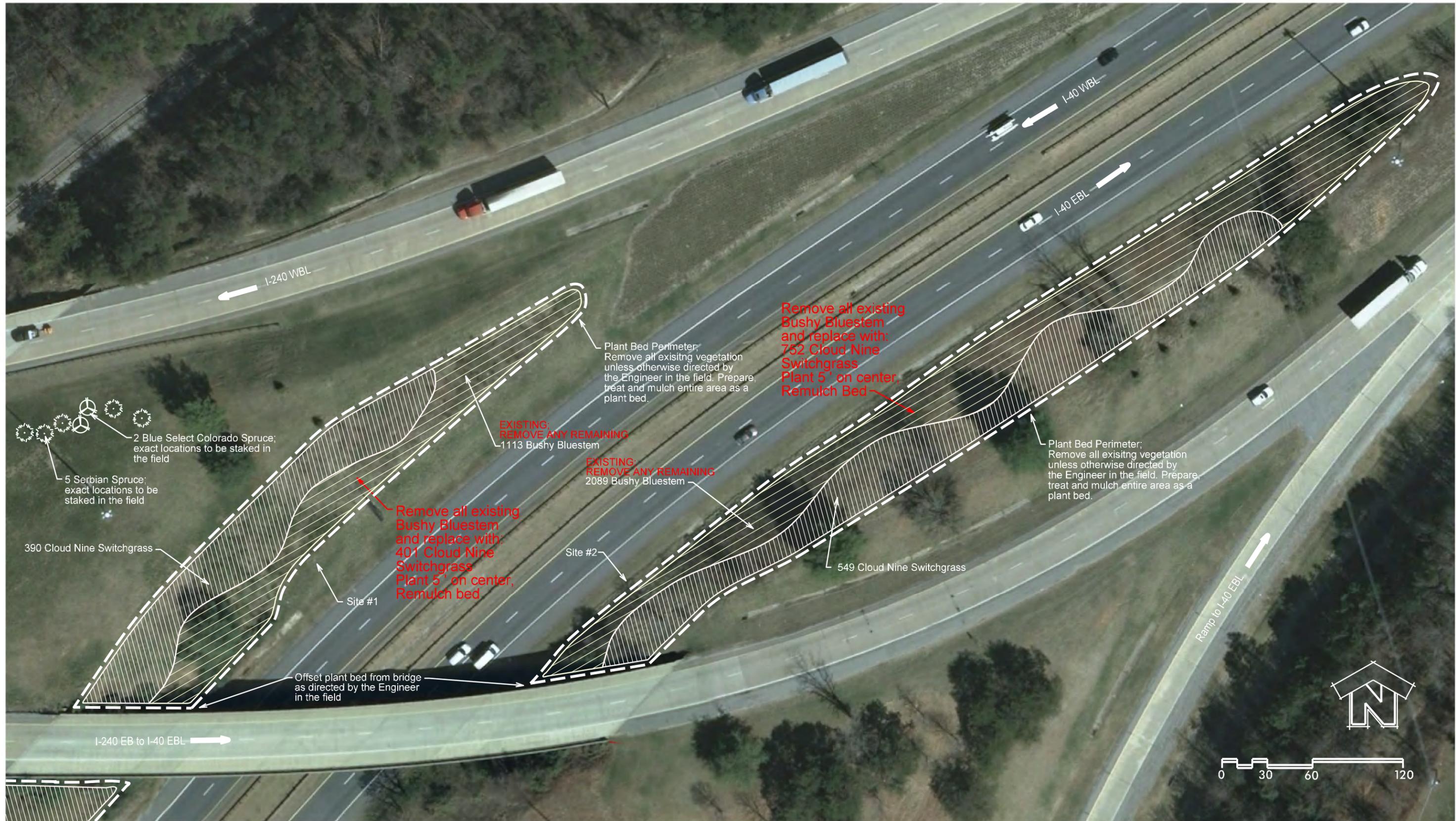
LANDSCAPE DEVELOPMENT  
 I-40 / I-240 / US 74A GATEWAY EAST  
 OVERALL INTERCHANGE PLAN

ORIGINAL DATE:	REPLACEMENT DATE:
DEC. 10, 2012	NOV. 7, 2014
PROJECT: GATEWAY & FEATURE INTERCHANGES	
DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY	



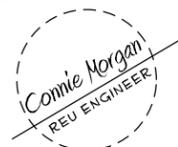
SHEET NO: PHASE III-31

TOTAL SHEET NO: 36



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**



SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT  
 I-40 / I-240 / US 74A GATEWAY EAST  
 SITE #1 & 2 PLANTING PLAN

ORIGINAL DATE: DEC. 10, 2012  
 REPLACEMENT DATE: NOV. 7, 2014  
 PROJECT: GATEWAY & FEATURE INTERCHANGES  
 DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY

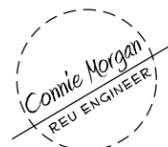


SHEET NO: PHASE III-32  
 TOTAL SHEET NO: 36



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

**GATEWAY AND FEATURE  
 INTERCHANGE PLANTINGS  
 I-40, I-26 & I-240 IN ASHEVILLE**



SHEET DESCRIPTION:

LANDSCAPE DEVELOPMENT  
 I-40 / I-240 / US 74A GATEWAY EAST  
 SITE #3 PLANTING PLAN

ORIGINAL DATE:	REPLACEMENT DATE:
DEC. 10, 2012	NOV. 7, 2014
PROJECT: GATEWAY & FEATURE INTERCHANGES	
DIVISION AND COUNTY: DIVISION 13 - BUNCOMBE COUNTY	



SHEET NO: PHASE III-33

TOTAL SHEET NO: 36

PROJECT: LANDSCAPE PLANTING AT I-26 & NC 146 - BUNCOMBE COUNTY



# PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT

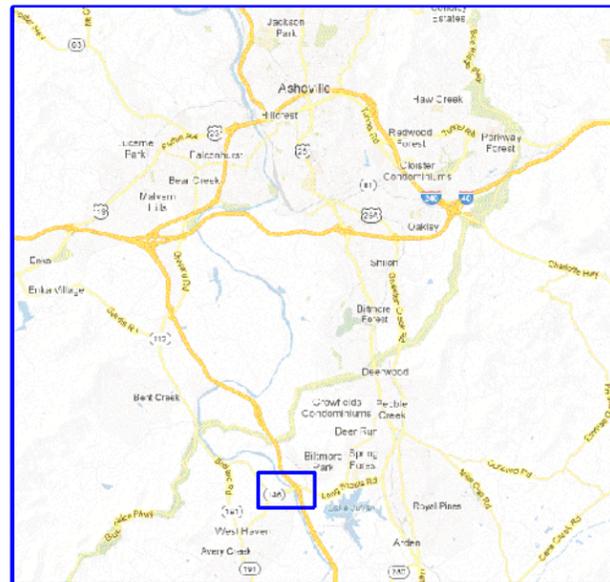


T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
R-2813B		PHASE IV-34	36
FED. PROJ. #	DESCRIPTION		DIVISION
NA	I-26 & NC 146 LONG SHOALS ROAD		13



PROJECT LOCATION

Vicinity Map



## ORIGINAL PLANT LIST

Quan.	Key	Unit	Botanical Name	Common Name	Furnish	ASN S	Spacing
<b>Ornamental Trees</b>							
6	CV	EA	<i>Chionanthus virginicus</i>	Fringe Tree	4-5', Multi-stem shrub form, Well branched	1.3.1	As shown
3	CCB	EA	<i>Comus florida 'Cherokee Brave'</i>	Cherokee Brave Flowering Dogwood	5-6', Single Straight Trunk, Well branched	1.2.4	To be field staked
14	CCP	EA	<i>Comus florida 'Cherokee Princess'</i>	Cherokee Princess Flowering Dogwood	5-6', Single Straight Trunk, Well branched	1.2.4	To be field staked
12	OA	EA	<i>Oxydendron arboreum</i>	Sourwood	5-6', Single Straight Trunk, Well branched	1.2.3	To be field staked
<b>Conifer and Evergreen Trees</b>							
5	AC	EA	<i>Abies concolor 'Candicans'</i>	Concolor Fir	10-12', B&B, Full to ground, Matched specimens	3.2.4	To be field staked
44	TO	EA	<i>Thuja occidentalis 'Hetz Wintergreen'</i>	Hetz Wintergreen Arborvitae	10-12', B&B, Heavy and full to ground	3.2.6	20' OC
<b>Grasses and Sedges</b>							
206	PVS	EA	<i>Panicum virgatum 'Shenandoah'</i>	Shenandoah Switchgrass	3 1/2 to 4" Pot, Tray of 18, Must be fully rooted into this container with full top growth and weed free	12.2.5	3' OC
507	PVT	EA	<i>Panicum virgatum 'Thundercloud'</i>	Thundercloud Switchgrass	3 1/2 to 4" Pot, Tray of 18, Must be fully rooted into this container with full top growth and weed free	12.2.5	6' OC
4,917	SS	EA	<i>Schizachyrium scoparium 'Blaze'</i>	Blaze Little Bluestem	3 1/2 to 4" Pot, Tray of 18, Must be fully rooted into this container with full top growth and weed free	12.2.5	2' OC
3,614	SN	EA	<i>Sorghastrum nutans 'Indian Steel'</i>	Blue Indian Grass	3 1/2 to 4" Pot, Tray of 18, Must be fully rooted into this container with full top growth and weed free	12.2.5	2' OC
891	SB	EA	<i>Spartina bakerii</i>	Cord Grass	3 1/2 to 4" Pot, Tray of 18, Must be fully rooted into this container with full top growth and weed free	12.2.5	5' OC

## CONVENTIONAL SYMBOLS

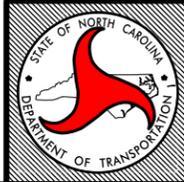
County Line	-----
City or Town Line	-----
Exist. Right of Way Line Marker	-----▲-----
Prop. Right of Way Line Marker (By Other)	-----▲-----
Prop Right of Way Line Marker (By Contract)	-----▲-----
Exist. Control of Access Line	-----○-----
Prop. Control of Access Line	-----○-----
Property Line	-----
Easement 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:

PHASE IV-34..... TITLE, DESCRIPTION, AND SUMMARY OF QUANTITIES  
 PHASE IV-35-36.. LANDSCAPE PLANS

PREPARED BY: CSM  
 ORIGINAL DATE: JAN. 11, 2013  
 REPLACEMENT DATE: NOV. 7, 2014

I-26 AND NC 146, LONG SHOALS ROAD



STATE OF  
**NORTH CAROLINA**  
 DEPARTMENT OF TRANSPORTATION

LOCATION: INTERCHANGE OF I-26 & NC 146, LONG SHOALS ROAD AND NC 146 TO CLAYTON ROAD

TYPE OF WORK: LANDSCAPE PLANTING

COUNTY: BUNCOMBE COUNTY

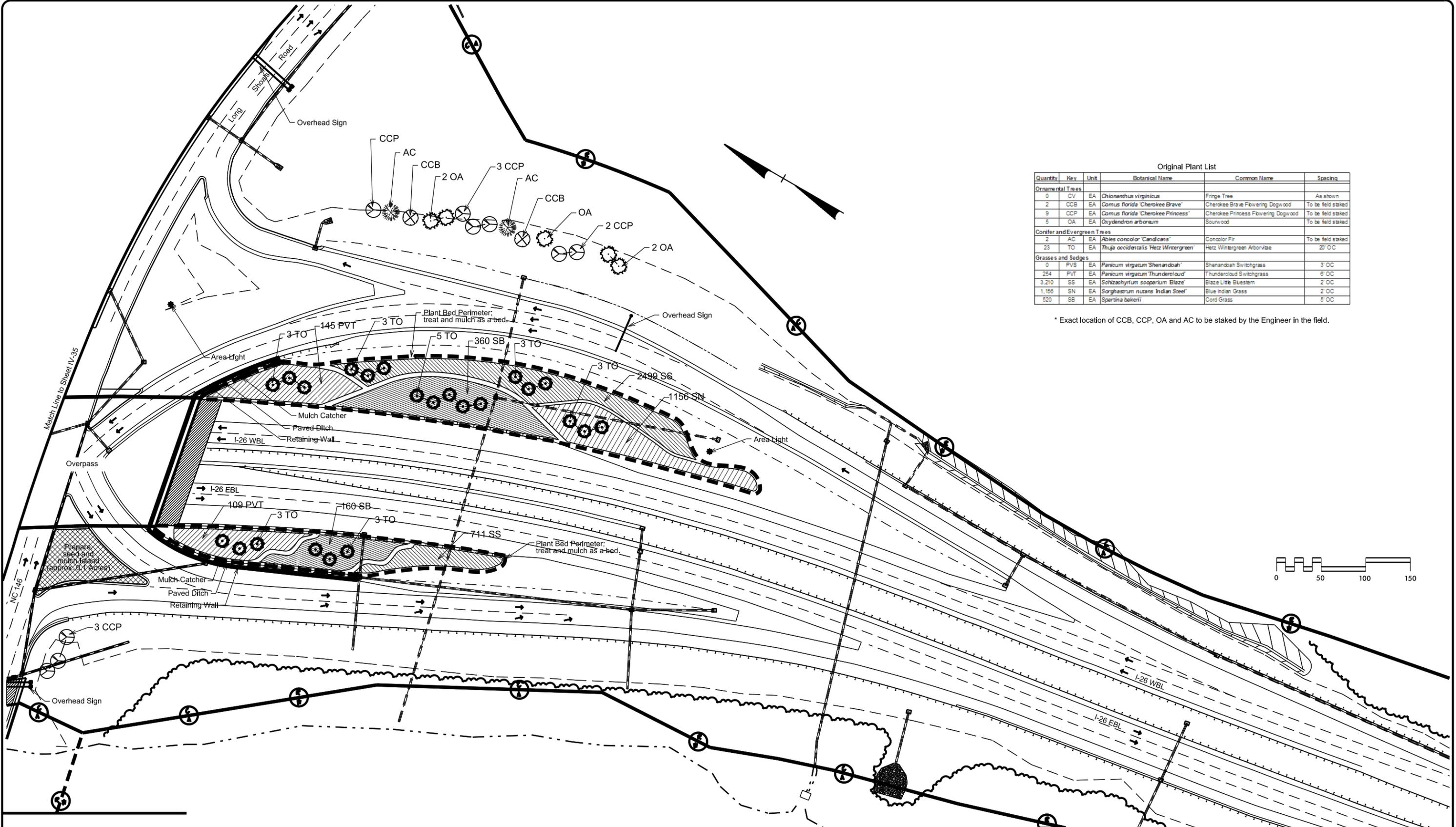
DIVISION: 13  
 55 ORANGE STREET, ASHEVILLE, NC 28801

DIV. ENG.: J. J. SWAIN, JR., PE

DIV. ROADSIDE DEPT. ENG.: KEITH HILL

2004 American Standard for Nursery Stock  
 2012 NCDOT STANDARD SPECIFICATIONS  
 PREPARED IN THE OFFICE OF:  
 NCDOT- ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT SECTION  
 1557 MAIL SERVICE CENTER  
 RALEIGH NC 27699 919-707-2920





Original Plant List

Quantity	Key	Unit	Botanical Name	Common Name	Spacing
<b>Ornamental Trees</b>					
0	CV	EA	<i>Chionanthus virginicus</i>	Fringe Tree	As shown
2	CCB	EA	<i>Comus florida 'Cherokee Brave'</i>	Cherokee Brave Flowering Dogwood	To be field staked
9	CCP	EA	<i>Comus florida 'Cherokee Princess'</i>	Cherokee Princess Flowering Dogwood	To be field staked
5	OA	EA	<i>Oxydendron arboreum</i>	Sourwood	To be field staked
<b>Conifer and Evergreen Trees</b>					
2	AC	EA	<i>Abies concolor 'Candicans'</i>	Concolor Fir	To be field staked
23	TO	EA	<i>Thuja occidentalis 'Heiz Wintergreen'</i>	Heiz Wintergreen Arborvitae	20' OC
<b>Grasses and Sedges</b>					
0	PVS	EA	<i>Panicum virgatum 'Shenandoah'</i>	Shenandoah Switchgrass	3' OC
254	PVT	EA	<i>Panicum virgatum 'Thundercloud'</i>	Thundercloud Switchgrass	6' OC
3,210	SS	EA	<i>Schizachyrium scoparium 'Blaze'</i>	Blaze Little Bluestem	2' OC
1,156	SN	EA	<i>Sorghastrum nutans 'Indian Steel'</i>	Blue Indian Grass	2' OC
520	SB	EA	<i>Spartina bakeri</i>	Cord Grass	5' OC

\* Exact location of CCB, CCP, OA and AC to be staked by the Engineer in the field.

	<p>NCDOT - ROADSIDE ENVIRONMENTAL UNIT  <b>LANDSCAPE DESIGN &amp; DEVELOPMENT</b>          1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557          PH: 919-707-2920 FAX: 919-715-2554  <a href="http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/">HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/</a></p>	<p><b>R-2813B;</b>  <b>INTERCHANGE OF I-26 &amp; NC 146,</b>  <b>LONG SHOALS ROAD</b>  <b>&amp; NC 146 TO CLAYTON ROAD</b></p>		<p>SHEET DESCRIPTION:  <b>LANDSCAPE DEVELOPMENT</b>  <b>PLANTING PLAN</b></p>	<p>ORIGINAL DATE: <b>JAN. 11, 2013</b>          REPLACEMENT DATE: <b>NOV. 7, 2014</b>          PROJECT: <b>R-2813B</b>  <b>I-26 &amp; NC 146, LONG SHOALS ROAD</b>          DIVISION AND COUNTY:  <b>DIVISION 13 - BUNCOMBE COUNTY</b></p>		<p>SHEET NO: <b>PHASE IV-36</b>          TOTAL SHEET NO: <b>36</b></p>