

PROJECT: LANDSCAPE PLANTING ON I-40 IN BURKE COUNTY



# PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT

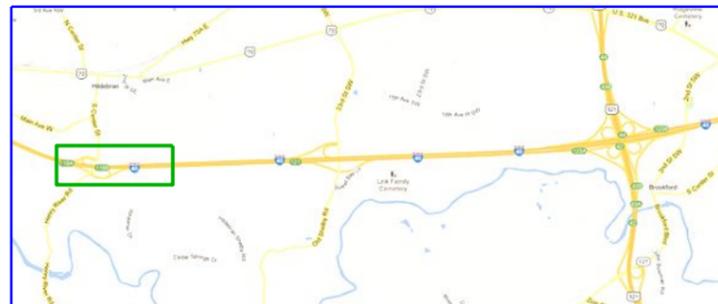
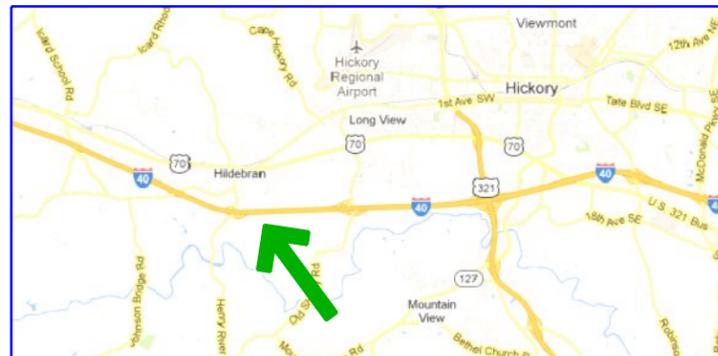


T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
NA		PHASE V-1	6
FED. PROJ. #	DESCRIPTION	DIVISION	
NA	PHASE V I-40 BURKE COUNTY	13	



PROJECT LOCATION

### Vicinity Maps



### Summary of Quantities

Plant Materials						
Phase V Quantity	Key	Unit	Botanical Name	Common Name	Furnish	ASNS Spacing
<b>Ornamental Trees</b>						
3	CCP	EA	<i>Cornus florida</i> 'Cherokee Princess'	Cherokee Princess Flowering Dogwood	5-6', Single Straight Trunk, Well branched	1.2.4 To be field staked
1	EA	LB	<i>Lagerstroemia x 'Biloxi'</i>	Biloxi Crape myrtle	9-10', 3 to 5 stems, min. caliper 1.25" each, stems must occur within 6" of ground; heavily branched	1.3.2.2 25' OC
<b>Conifer and Evergreen Trees</b>						
1	EA	IL	<i>Ilex x 'Liberty' PP#12009</i>	Liberty Holly	6-7', B&B, Heavily branched to the ground	2.2.3 To be field staked
12	PO	EA	<i>Picea omorika</i>	Serbian Spruce	12-14', B&B, Full to ground, Matched specimens	3.2.4 To be field staked
<b>Grasses and Sedges</b>						
2,224	EA	MC	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass	#1 Cont. Fully rooted with full top growth, weed free	12.2.5 3' OC
18	EA	EA	<i>Panicum virgatum</i> 'Northwind'	Northwind Switchgrass	#1 Cont. Fully rooted with full top growth, weed free	12.2.5 4' OC
<b>Other Items</b>						
Phase V Quantity	Unit	Item Description				
1	LS	Post-Emergence Herbicidal Treatment (Approximately 21,927 SY of Plant Beds)				
1	LS	Pre-Emergence Herbicidal Treatment (Approximately 21,927 SY of Plant Beds)				
2,439	CY	Mulch for Planting				
15	MG	Water for Planting				
19	EA	Monthly Establishment Work Cycle				

### General Notes

Location for replacement plants will be identified by the Engineer in the field if not indicated on the plan sheets. New plantings are labeled in red on the plan sheets.

### CONVENTIONAL SYMBOLS

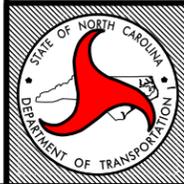
County Line	-----
City or Town Line	-----
Exist. Right of Way Line Marker	-----▲-----
Prop. Right of Way Line Marker (By Others)	-----▲-----
Prop. Right of Way Line Marker (By Contract)	-----▲-----
Exist. Control of Access Line	-----○-----
Prop. Control of Access Line	-----○-----
Property Line	-----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

- PHASE V-1..... TITLE, DESCRIPTION, AND SUMMARY OF QUANTITIES
- PHASE V-2..... PLANTING DETAILS
- PHASE V-3..... LANDSCAPE PLAN
- PHASE V-4..... LANDSCAPE PLAN
- PHASE V-5..... LANDSCAPE PLAN
- PHASE V-6..... LANDSCAPE PLAN

PREPARED BY: CSM  
 ORIGINAL DESIGN DATE: FEB. 14, 2013  
 REPLACEMENT DATE: NOV. 7, 2014

I-40 BURKE COUNTY  
 AT COUNTY LINE TO THE EAST AND  
 EXIT 119 AT HILDEBRAN INTERCHANGE



STATE OF  
**NORTH CAROLINA**  
 DEPARTMENT OF TRANSPORTATION

LOCATION: I-40 AT THE BURKE COUNTY LINE TO THE EAST AND I-40 AT EXIT 119 AT HENRY RIVER ROAD/CENTER STREET AT HILDEBRAN

TYPE OF WORK: REPLACEMENT LANDSCAPE PLANTING

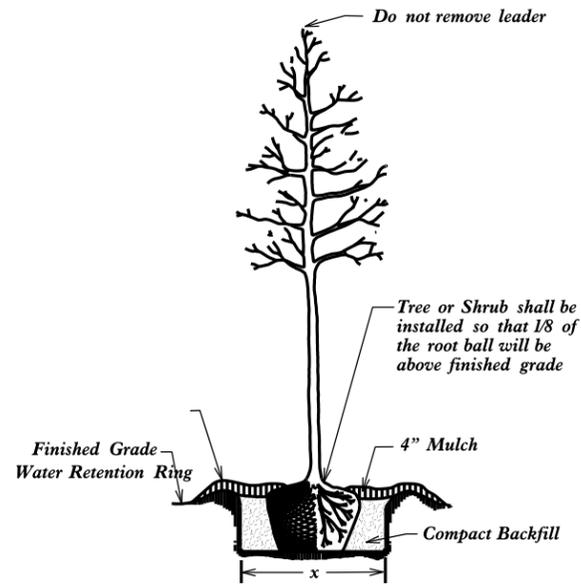
COUNTY: BURKE COUNTY

DIVISION: 13  
 55 ORANGE STREET, ASHEVILLE, NC 28801

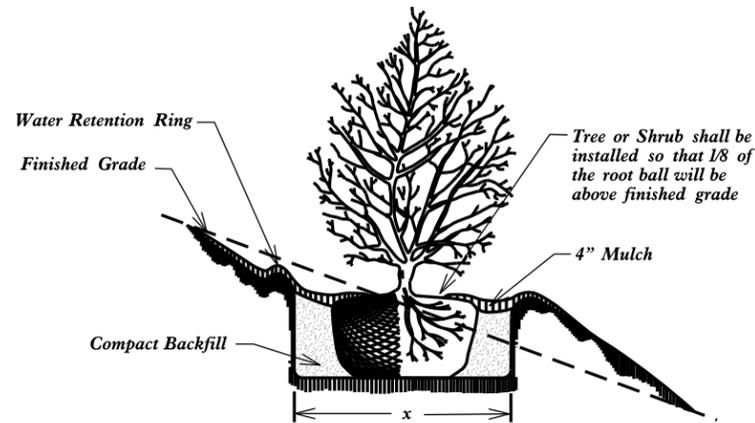
DIV. ENG.: J. J. SWAIN, JR., PE

DIV. ROADSIDE DEPT. ENG.: KEITH HILL

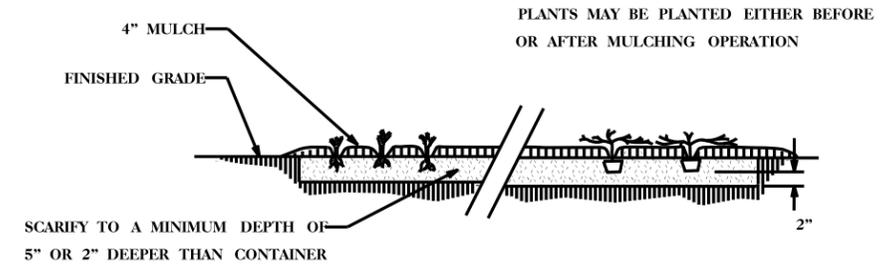
2004 American Standard for Nursery Stock  
 2012 NCDOT STANDARD SPECIFICATIONS  
 PREPARED IN THE OFFICE OF:  
 NCDOT- ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT SECTION  
 1557 MAIL SERVICE CENTER  
 RALEIGH NC 27699 919-707-2920



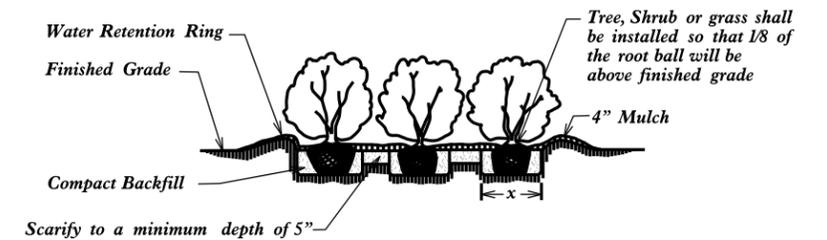
**Tree or Shrub Planting Detail  
(Level Ground)**



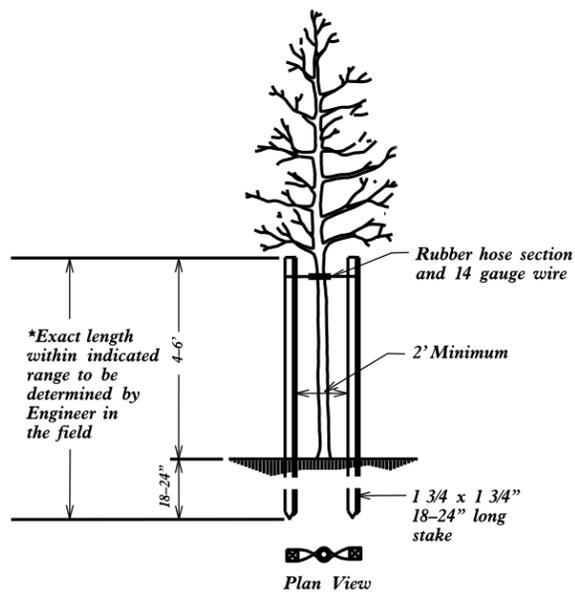
**Tree or Shrub Planting Detail  
(Sloping Ground)**



**Ground Cover Planting Detail**

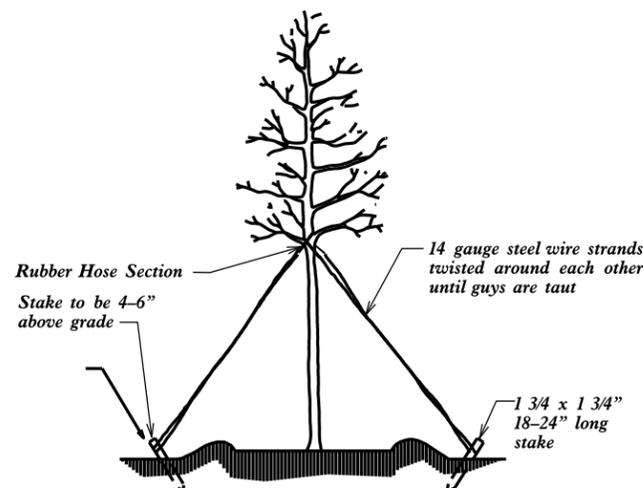


**Bed Planting Detail**



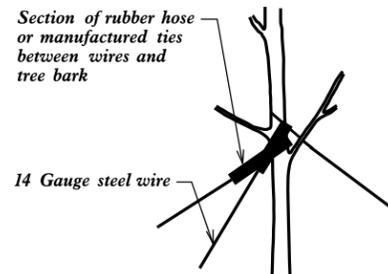
**Staking Detail  
(for trees 6' to 10')**

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

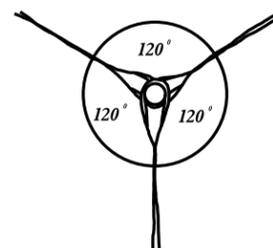


**Tree Guying Detail  
(for trees 10' or larger)**

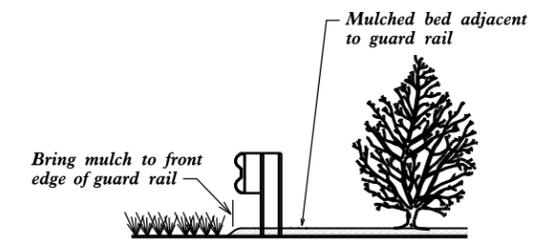
\* Utilize guying detail only if requested by the Engineer.



**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**



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

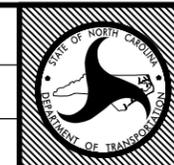
REPLACEMENT PLANTINGS  
AT I-40 MEDIAN AND INTERCHANGE  
AT HILDEBRAN, NC



SHEET DESCRIPTION:

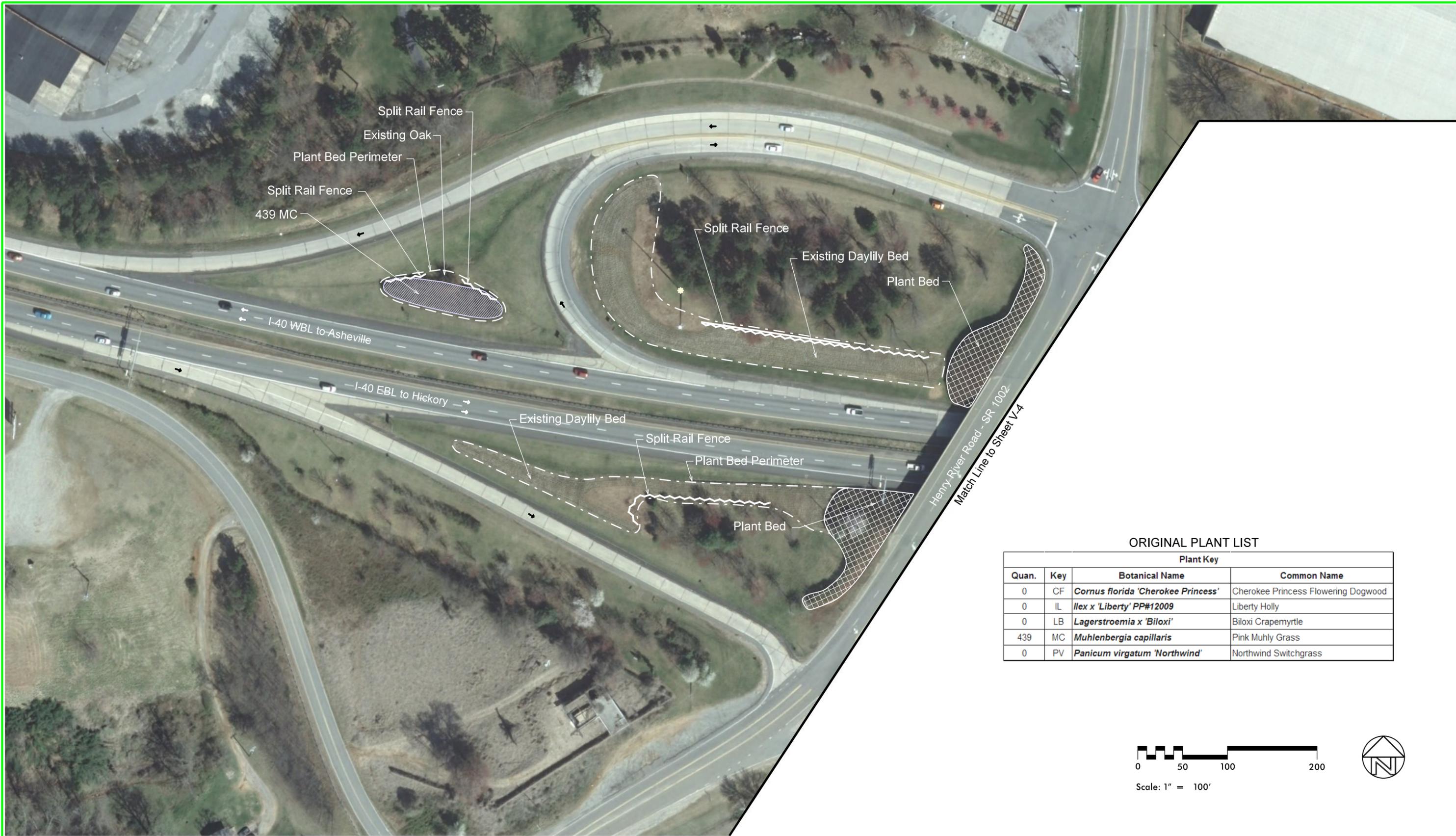
LANDSCAPE DEVELOPMENT  
PLANTING DETAILS

REPLACEMENT DATE:  
**NOVEMBER 7, 2014**  
PROJECT:  
**PHASE V**  
DIVISION AND COUNTY:  
**DIVISION 13 - BUNCOMBE COUNTY**



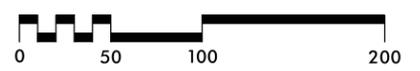
SHEET NO: **PHASE V - 2**

TOTAL SHEET NO: **6**



ORIGINAL PLANT LIST

Plant Key			
Quan.	Key	Botanical Name	Common Name
0	CF	<i>Cornus florida</i> 'Cherokee Princess'	Cherokee Princess Flowering Dogwood
0	IL	<i>Ilex</i> x 'Liberty' PP#12009	Liberty Holly
0	LB	<i>Lagerstroemia</i> x 'Biloxi'	Biloxi Crapemyrtle
439	MC	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass
0	PV	<i>Panicum virgatum</i> 'Northwind'	Northwind Switchgrass

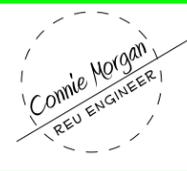


Scale: 1" = 100'



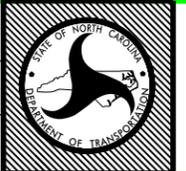
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 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
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[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

I-40 MEDIAN & INTERCHANGE PLANTINGS  
 AT BURKE COUNTY LINE AND EXIT 119,  
 HENRY RIVER ROAD AND CENTER STREET  
 AT HILDEBRAN



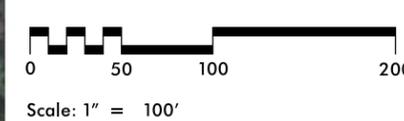
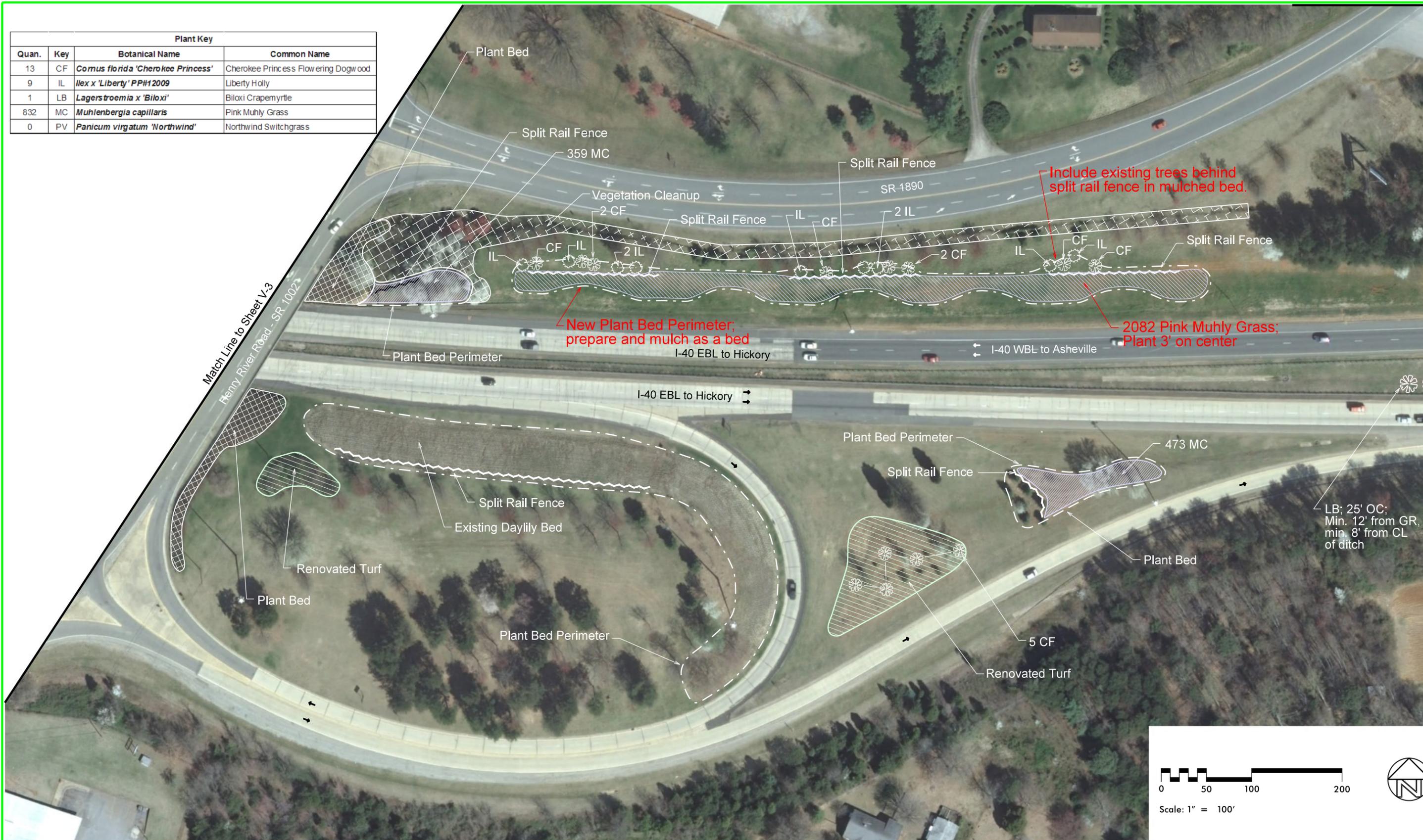
SHEET DESCRIPTION:  
 LANDSCAPE DEVELOPMENT  
 PLANTING PLAN

ORIGINAL DESIGN DATE: FEB. 11, 2013  
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 PROJECT: I-40 MEDIAN AT BURKE  
 & HILDEBRAN INTERCHANGE  
 DIVISION AND COUNTY:  
 DIVISION 13 - BURKE COUNTY



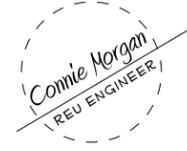
SHEET NO: PHASE V - 3  
 TOTAL SHEET NO: 6

Plant Key			
Quan.	Key	Botanical Name	Common Name
13	CF	<i>Cornus florida</i> 'Cherokee Princess'	Cherokee Princess Flowering Dogwood
9	IL	<i>Ilex</i> x 'Liberty' PP#12009	Liberty Holly
1	LB	<i>Lagerstroemia</i> x 'Biloxi'	Biloxi Crapemyrtle
832	MC	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass
0	PV	<i>Panicum virgatum</i> 'Northwind'	Northwind Switchgrass



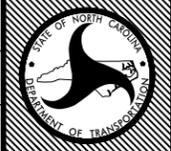
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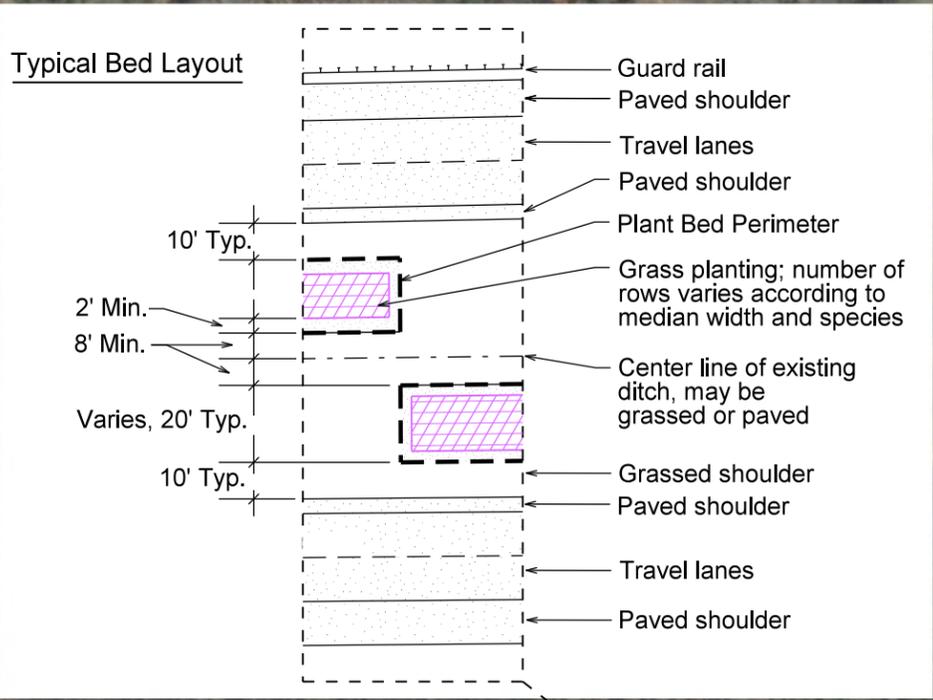
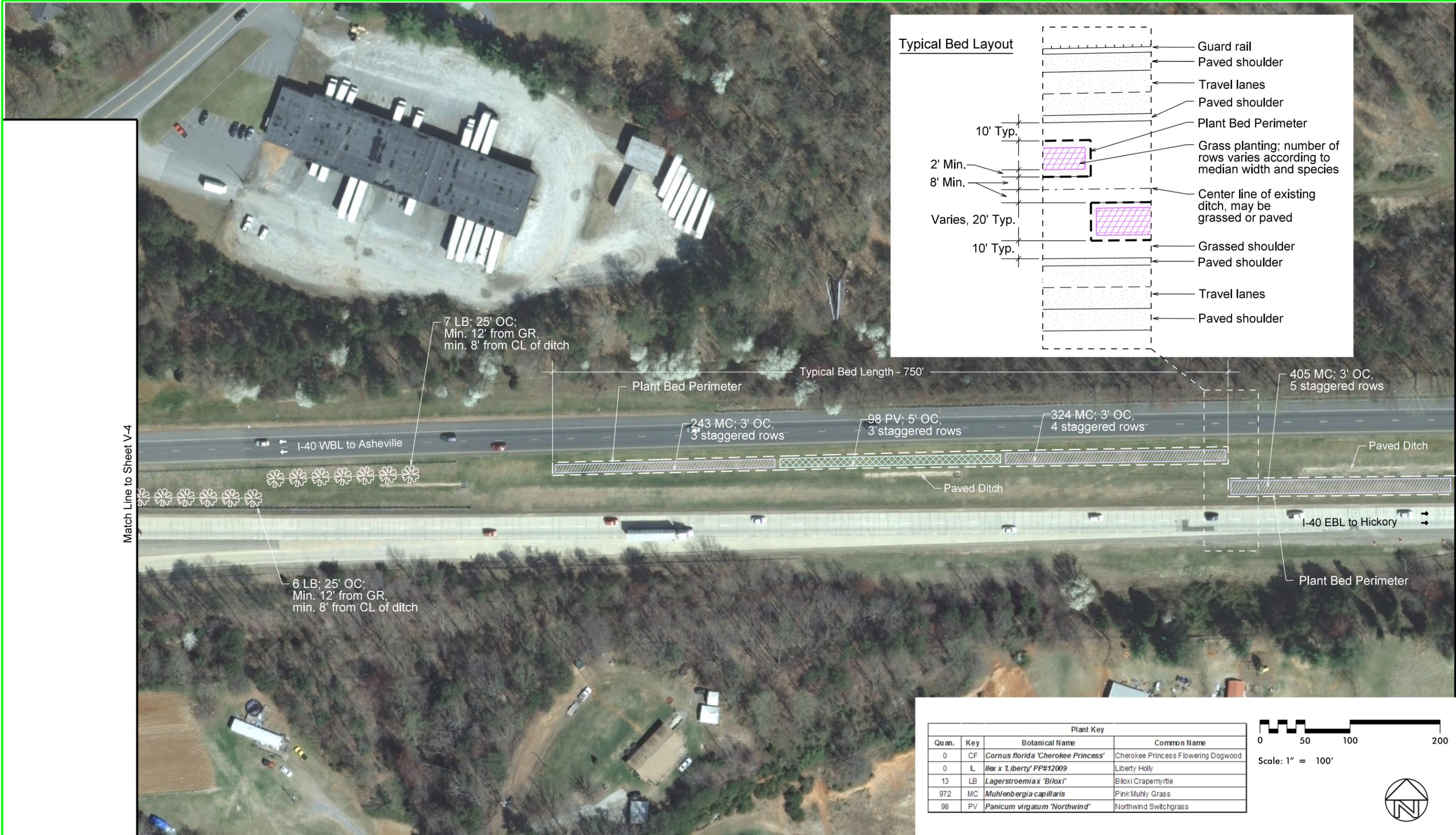


SHEET DESCRIPTION:  
 LANDSCAPE DEVELOPMENT  
 PLANTING PLAN

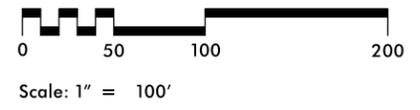
ORIGINAL DESIGN DATE: FEB. 11, 2013  
 REPLACEMENT DESIGN DATE: NOV. 7, 2014  
 PROJECT: I-40 MEDIAN AT BURKE  
 & HILDEBRAN INTERCHANGE  
 DIVISION AND COUNTY:  
 DIVISION 13 - BURKE COUNTY



SHEET NO: PHASE V - 4  
 TOTAL SHEET NO: 6



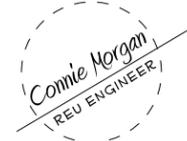
Plant Key			
Quan.	Key	Botanical Name	Common Name
0	CF	<i>Cornus florida</i> 'Cherokee Princess'	Cherokee Princess Flowering Dogwood
0	IL	<i>Ilex x Liberty</i> PP#12009	Liberty Holly
13	LB	<i>Lagerstroemia x 'Biloxi'</i>	Biloxi Crapemyrtle
972	MC	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass
98	PV	<i>Panicum virgatum</i> 'Northwind'	Northwind Switchgrass





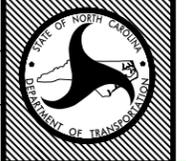
NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
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**I-40 MEDIAN & INTERCHANGE PLANTINGS  
 AT BURKE COUNTY LINE AND EXIT 119,  
 HENRY RIVER ROAD AND CENTER STREET  
 AT HILDEBRAN**



LANDSCAPE DEVELOPMENT  
**PLANTING PLAN**

ORIGINAL DESIGN DATE: **FEB. 11, 2013** REPLACEMENT DESIGN DATE: **NOV. 7, 2014**  
 PROJECT: **I-40 MEDIAN AT BURKE  
 & HILDEBRAN INTERCHANGE**  
 DIVISION AND COUNTY:  
**DIVISION 13 - BURKE COUNTY**



SHEET NO: **PHASE V - 5**  
 TOTAL SHEET NO: **6**



Match Line to Sheet V-5

Plant Key			
Quan.	Key	Botanical Name	Common Name
0	CF	<i>Comus florida</i> 'Cherokee Princess'	Cherokee Princess Flowering Dogwood
0	IL	<i>Ilex</i> x 'Liberty' PP#12009	Liberty Holly
0	LB	<i>Lagerstroemia</i> 'Biloxi'	Biloxi Crape myrtle
1,215	MC	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass
294	PV	<i>Panicum virgatum</i> 'Northwind'	Northwind Switchgrass

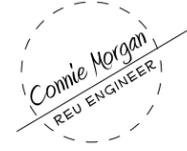


Scale: 1" = 100'



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I-40 MEDIAN & INTERCHANGE PLANTINGS  
 AT BURKE COUNTY LINE AND EXIT 119,  
 HENRY RIVER ROAD AND CENTER STREET  
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SHEET DESCRIPTION:  
 LANDSCAPE DEVELOPMENT  
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SHEET NO: PHASE V - 6  
 TOTAL SHEET NO: 6