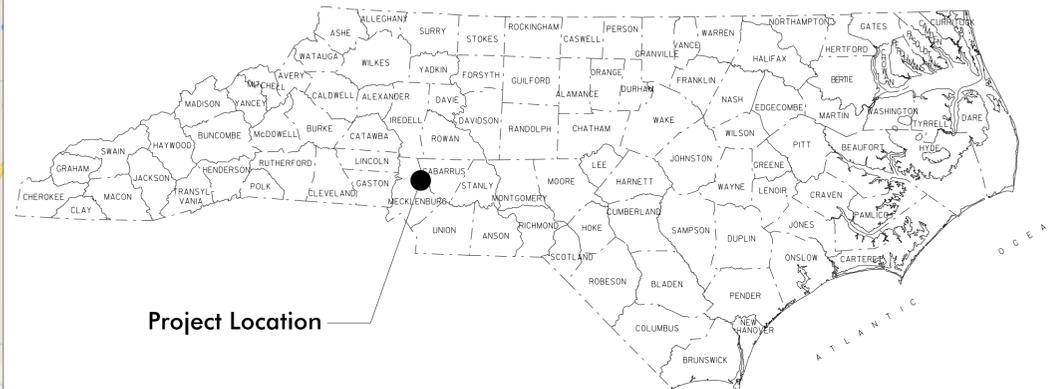
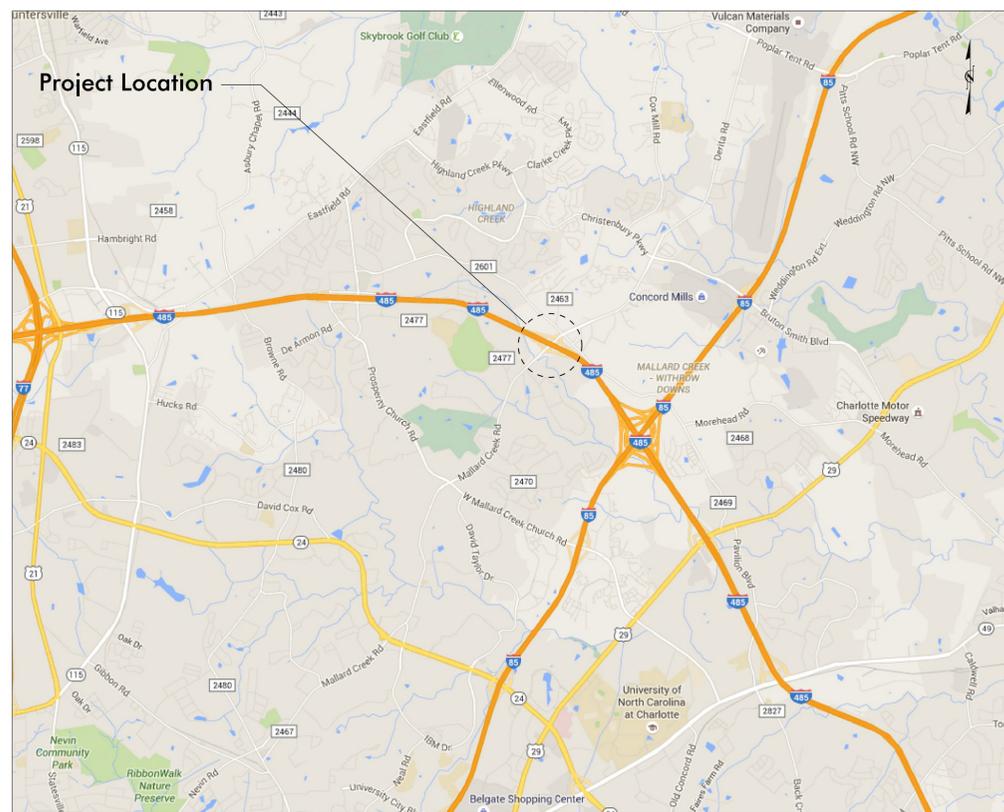


HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
R-2248E	-----	L1	5
FED. PROJ. #	DESCRIPTION		DIVISION
-	TIP		10



Project Location

Summary of Quantities 1 year establishment

DES	SEC	QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	SIZE	CALIPER	FURNISH	A.S.N.S.	REMARKS
Trees											
L	1670	16	ea	CH	<i>Cercis canadensis</i> 'Ace of Hearts'	Ace of Hearts Redbud	5-6'		#25	2.3	12' O.C.
L	1670	6	ea	CA	<i>Cercis canadensis</i> 'Appalachian Red'	Appalachian Red Redbud	6-7'		#25	2.3	As Shown
L	1670	8	ea	CC	<i>Cornus florida</i> 'Cherokee Princess'	Cherokee Princess Flowering Dogwood	6-7'		#25	2.4	As Shown
L	1670	27	ea	KP	<i>Koelreuteria paniculata</i>	Golden Rain Tree		1-1.5"	#25	2.2	50' O.C.
L	1670	30	ea	LM	<i>Lagerstroemia indica</i> 'fauriei' 'Muskogee'	Muskogee Crape Myrtle	6-7'		#25	2.5	13' O.C.
L	1670	33	ea	MS	<i>Magnolia soulangeana</i> 'Alexandrina'	Alexander Saucer Magnolia	5-6'		#25	2.4	25' O.C.
L	1670	4	ea	MP	<i>Malus</i> 'Prairifire'	Prairie Fire Crabapple		1-1.25"	B&B	2.4	As Shown
L	1670	27	ea	PO	<i>Prunus</i> 'Okame'	Okame Cherry		1-1.25"	B&B	2.3	25' O.C.
L	1670	38	ea	PY	<i>Prunus x yedoensis</i> 'Akebono'	Akebono Yoshino Cherry		1-1.25"	B&B	2.3	25' O.C.
Other											
L	1670	377	cuyd		Mulch						Depth of 4"
L	1670	14	m/g		Water for Planting						
L	1670	3266	sqyd		Pre emergence Herbicidal Treatment						
L	1670	3266	sqyd		Post emergence Herbicidal Treatment						

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:

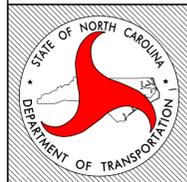
L 1.0 - Title Sheet
L 2.0 - Planting Details
L 3.0 - Planting Plan
L 4.0 - Planting Plan
L 5.0 - Planting Plan

PREPARED BY: KC DATE: 06/2016

REVISIONS

DATE	DESCRIPTION

R-2248E I-485 & Mallard Creek Rd



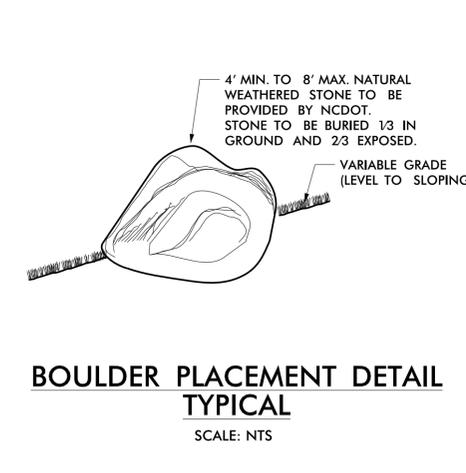
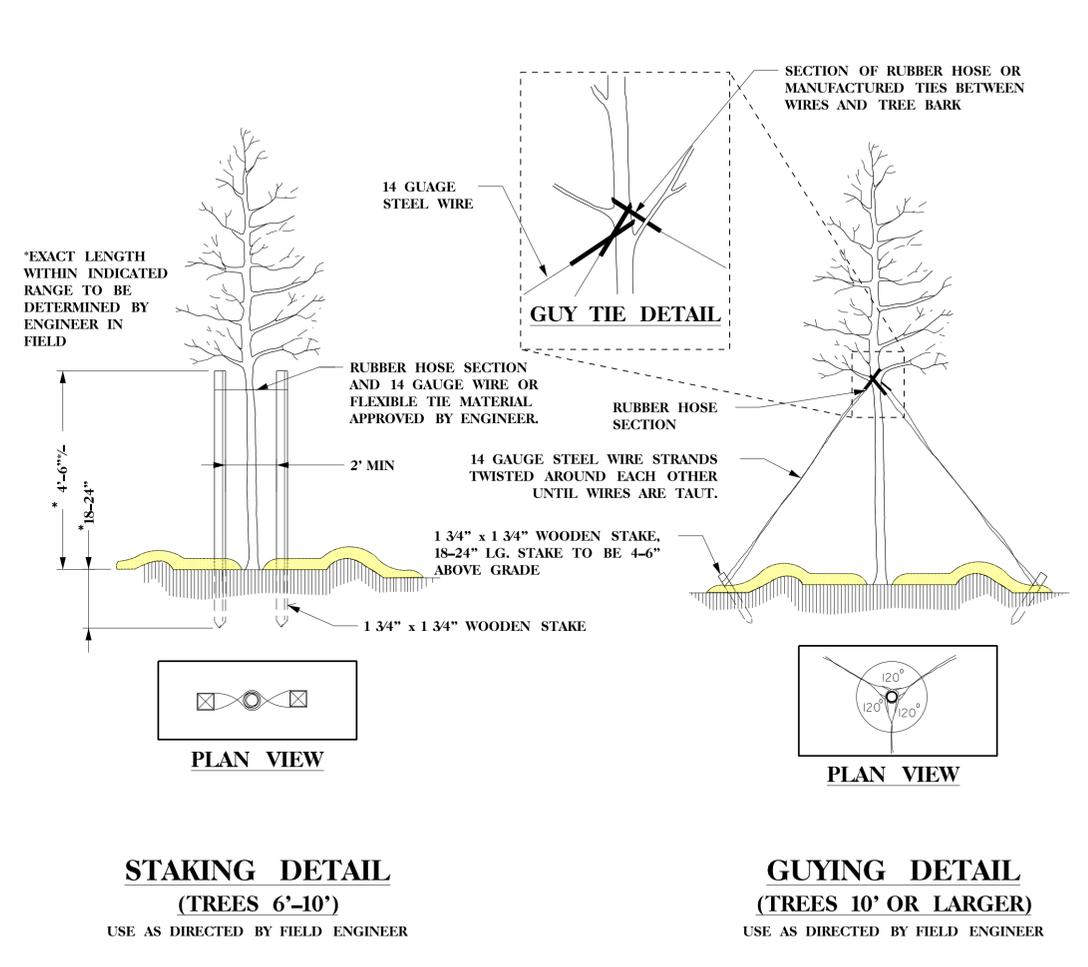
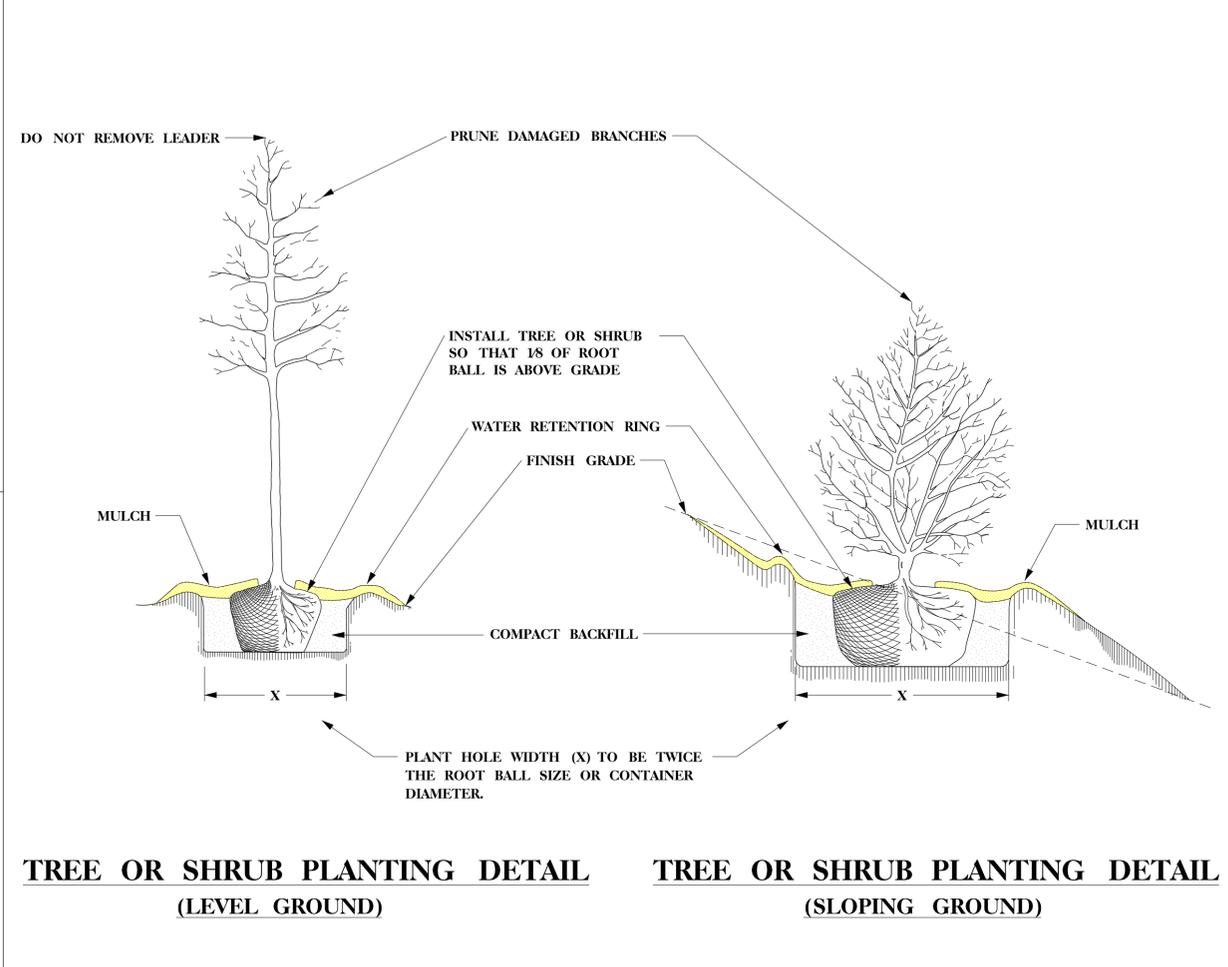
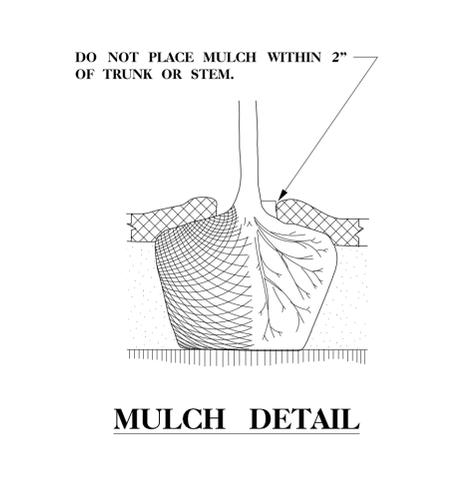
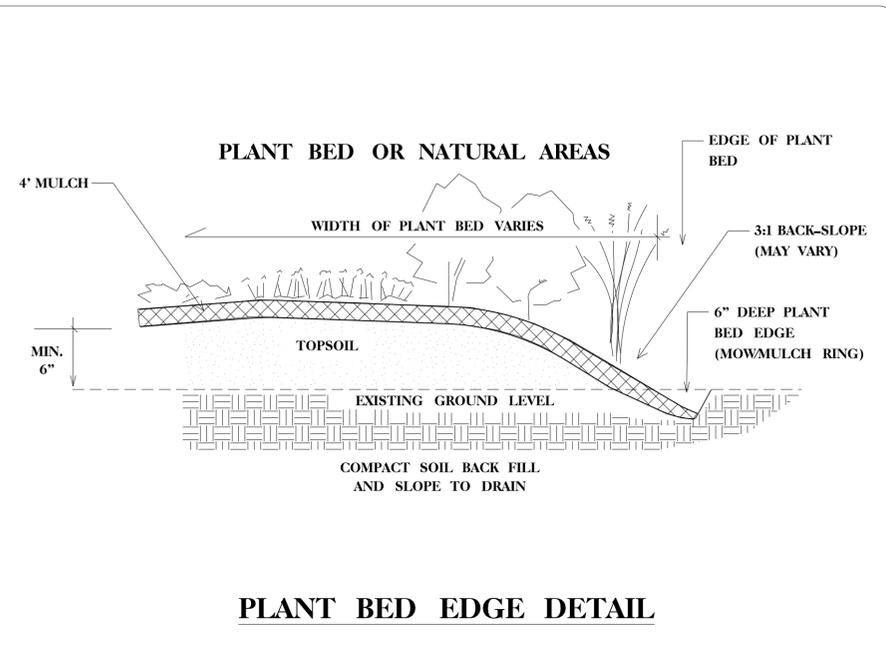
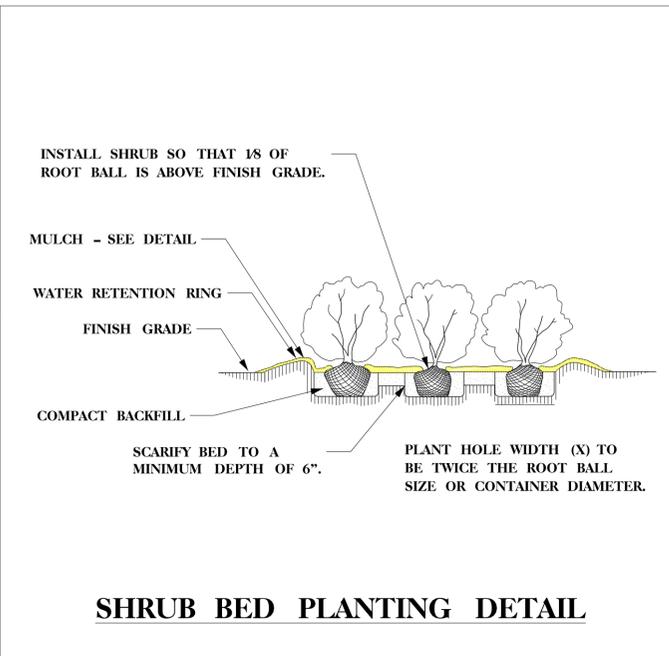
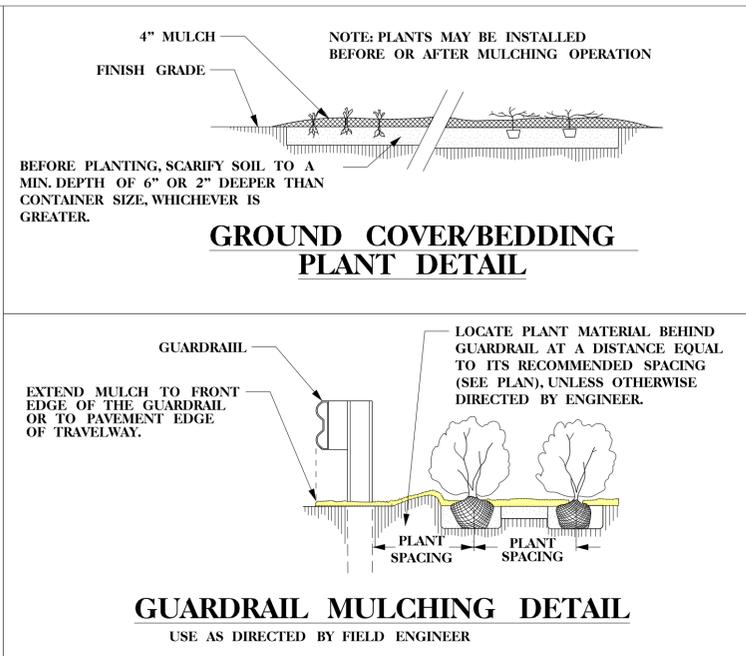
STATE OF
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

LOCATION: I-485 & Mallard Creek Rd
TYPE of WORK: T.I.P.
COUNTY: Mecklenburg County

2014 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

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$USER\$\$\$\$\$

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



NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
 PH: 919-707-2935 FAX: 919-715-2554
 HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/

I-85 & MALLARD CREEK RD
 MECKLENBURG COUNTY
 TIP #: R-2248E

PREP. DESIGNER
Kyle Cooper

PREL. DESIGN DATE:	MARCH 2016
CHECKED BY & DATE:	
FINAL DESIGN DATE:	JUNE 13, 2016

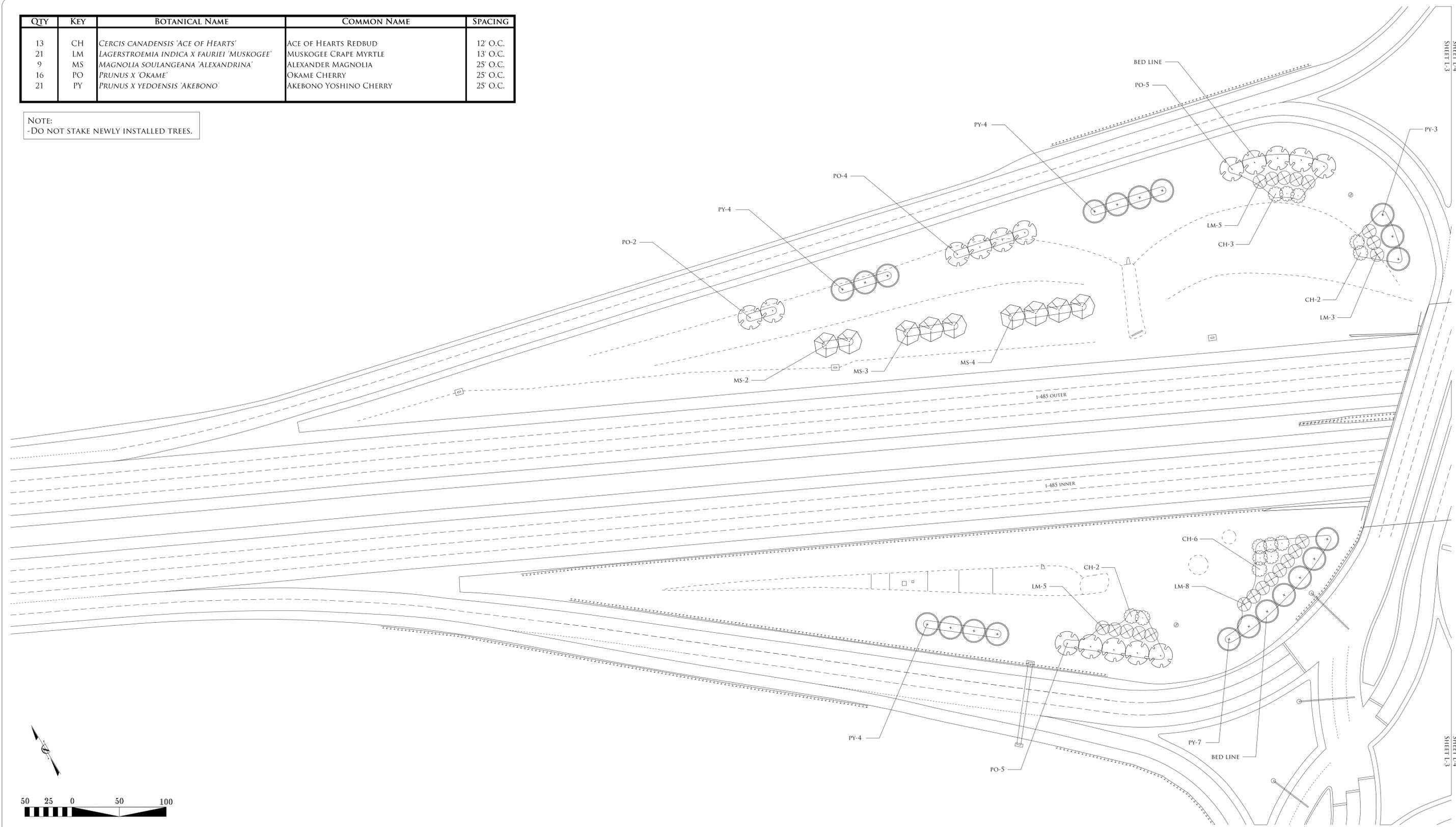
PLANTING DETAILS



T.I.P. #	R-2248E
WBS #	
FED I.D. #	
SHEET NO.:	L-2
TOTAL SHEET NO.:	5

QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
13	CH	<i>CERCIS CANADENSIS</i> 'ACE OF HEARTS'	ACE OF HEARTS REDBUD	12' O.C.
21	LM	<i>LAGERSTROEMIA INDICA</i> X FAURIEI 'MUSKOGEE'	MUSKOGEE CRAPE MYRTLE	13' O.C.
9	MS	<i>MAGNOLIA SOULANGEANA</i> 'ALEXANDRINA'	ALEXANDER MAGNOLIA	25' O.C.
16	PO	<i>PRUNUS</i> X 'OKAME'	OKAME CHERRY	25' O.C.
21	PY	<i>PRUNUS</i> X YEDOENSIS 'AKEBONO'	AKEBONO YOSHINO CHERRY	25' O.C.

NOTE:
-DO NOT STAKE NEWLY INSTALLED TREES.



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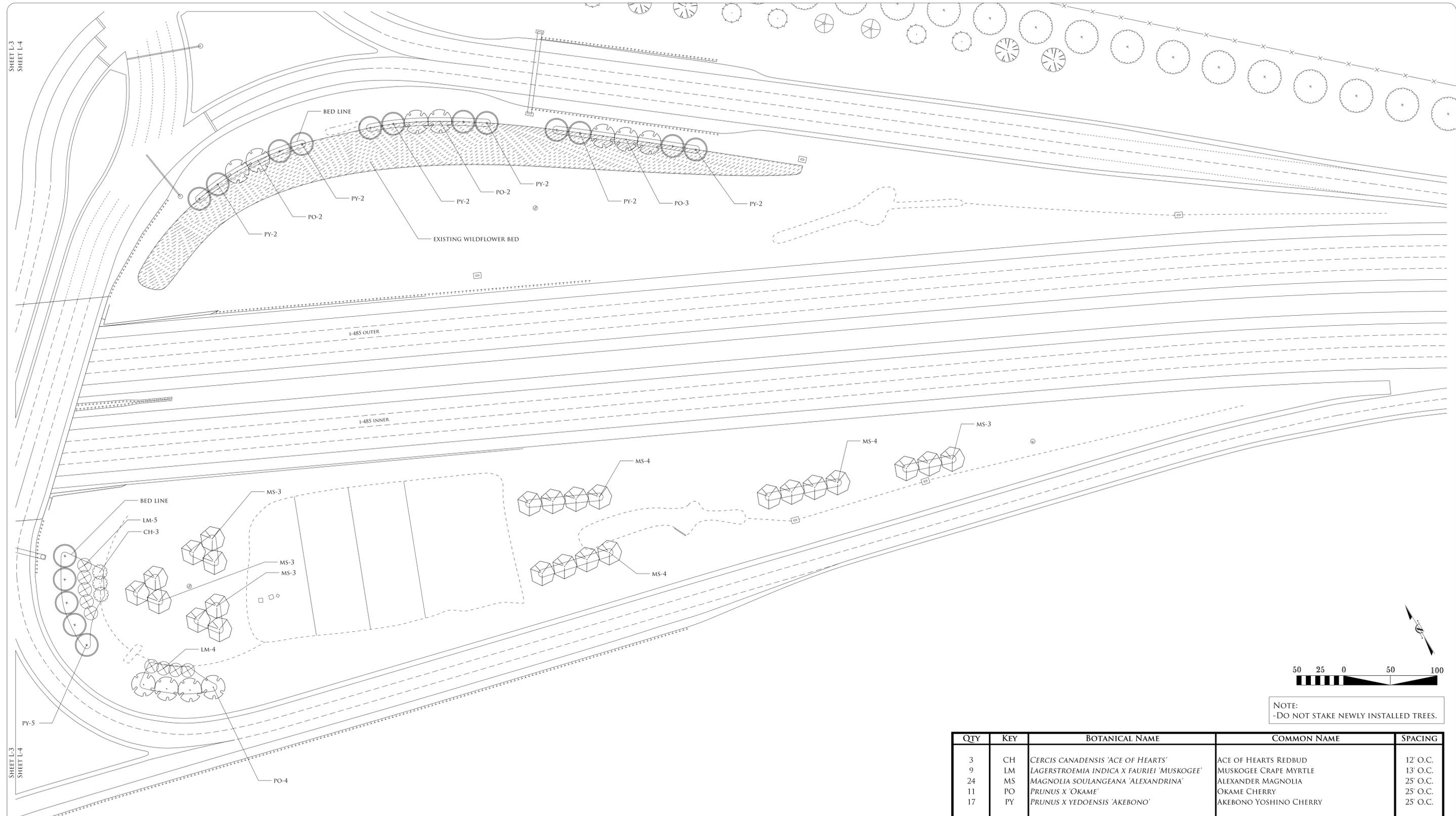
I-85 & MALLARD CREEK RD
MECKLENBURG COUNTY
TIP #: R-2248E

PREU. DESIGNER
Kyle Cooper
SHEET DESCRIPTION:
PREL DESIGN DATE: MARCH 2016
CHECKED BY & DATE:
FINAL DESIGN DATE: JUNE 13, 2016

PLANTING PLAN
LANDSCAPE PLAN SHEET

 T.I.P. # R-2248E
WBS #
FED I.D. #
SHEET NO.: **L-3** TOTAL SHEET NO.: **5**

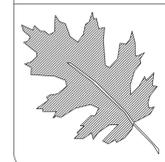
SHEET L-3
SHEET L-4



SHEET L-3
SHEET L-4

NOTE:
-DO NOT STAKE NEWLY INSTALLED TREES.

QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
3	CH	<i>CERCIS CANADENSIS</i> 'ACE OF HEARTS'	ACE OF HEARTS REDBUD	12' O.C.
9	LM	<i>LAGERSTROEMIA INDICA</i> X <i>FAURIEI</i> 'MUSKOGEE'	MUSKOGEE CRAPE MYRTLE	13' O.C.
24	MS	<i>MAGNOLIA SOULANGEANA</i> 'ALEXANDRINA'	ALEXANDER MAGNOLIA	25' O.C.
11	PO	<i>PRUNUS</i> X 'OKAME'	OKAME CHERRY	25' O.C.
17	PY	<i>PRUNUS</i> X <i>YEDOENSIS</i> 'AKEBONO'	AKEBONO YOSHINO CHERRY	25' O.C.



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I-85 & MALLARD CREEK RD
MECKLENBURG COUNTY
TIP #: R-2248E

PREP. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:
PREL. DESIGN DATE: MARCH 2016
CHECKED BY & DATE:
FINAL DESIGN DATE: JUNE 13, 2016

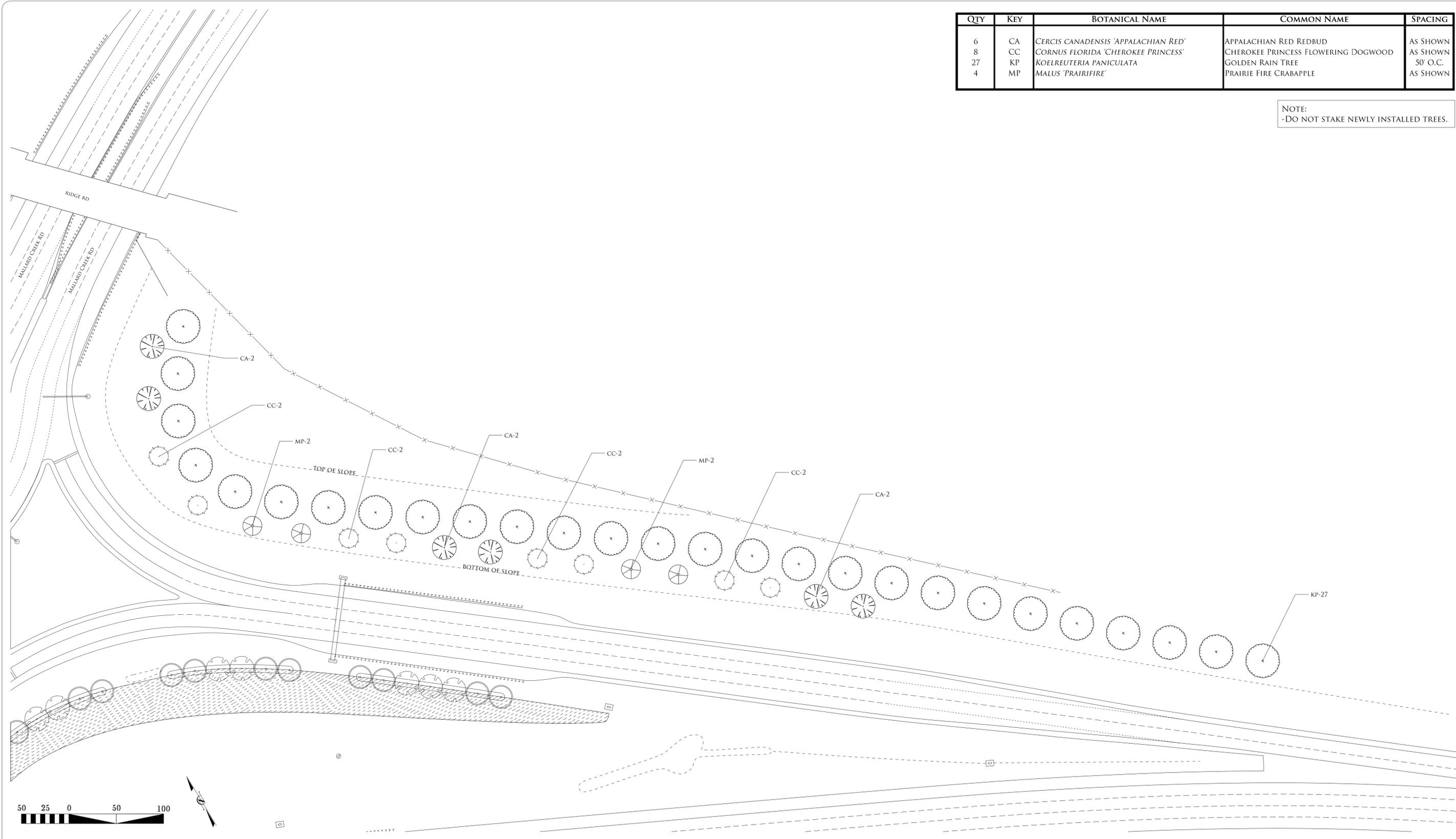
PLANTING PLAN
LANDSCAPE PLAN SHEET



T.I.P. # R-2248E
WBS #
FED I.D. #
SHEET NO.: **L-4** TOTAL SHEET NO.: **5**

QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
6	CA	CERCIS CANADENSIS 'APPALACHIAN RED'	APPALACHIAN RED REDBUD	AS SHOWN
8	CC	CORNUS FLORIDA 'CHEROKEE PRINCESS'	CHEROKEE PRINCESS FLOWERING DOGWOOD	AS SHOWN
27	KP	KOELREUTERIA PANICULATA	GOLDEN RAIN TREE	50' O.C.
4	MP	MALUS 'PRAIRIFIRE'	PRAIRIE FIRE CRABAPPLE	AS SHOWN

NOTE:
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I-85 & MALLARD CREEK RD
MECKLENBURG COUNTY
TIP #: R-2248E

PREP. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:
PREL DESIGN DATE: MARCH 2016
CHECKED BY & DATE:
FINAL DESIGN DATE: JUNE 13, 2016

PLANTING PLAN
LANDSCAPE PLAN SHEET

 T.I.P. # R-2248E
WBS #
FED I.D. #
SHEET NO.: **L-5** TOTAL SHEET NO.: **5**