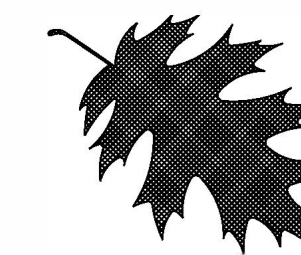
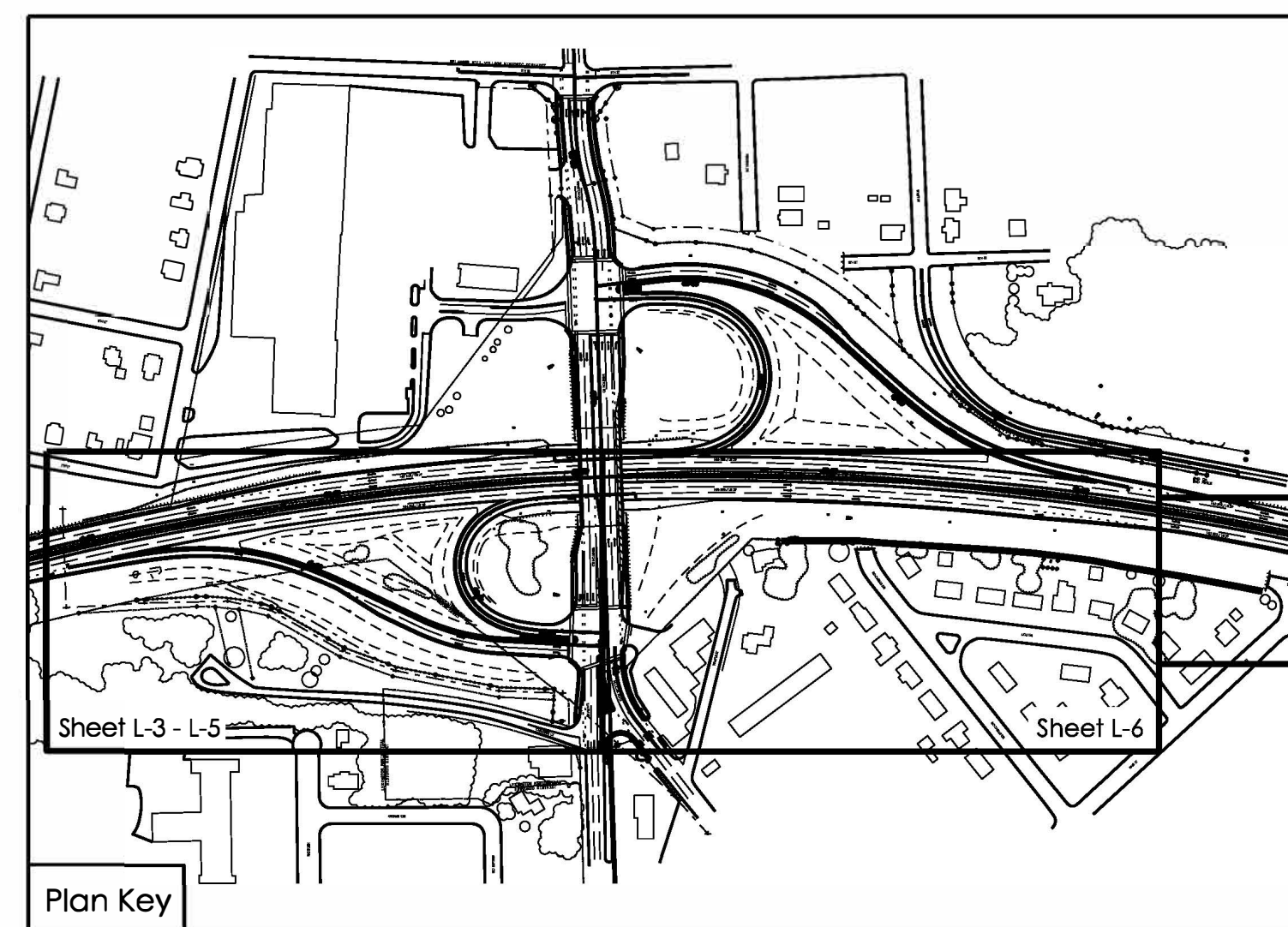
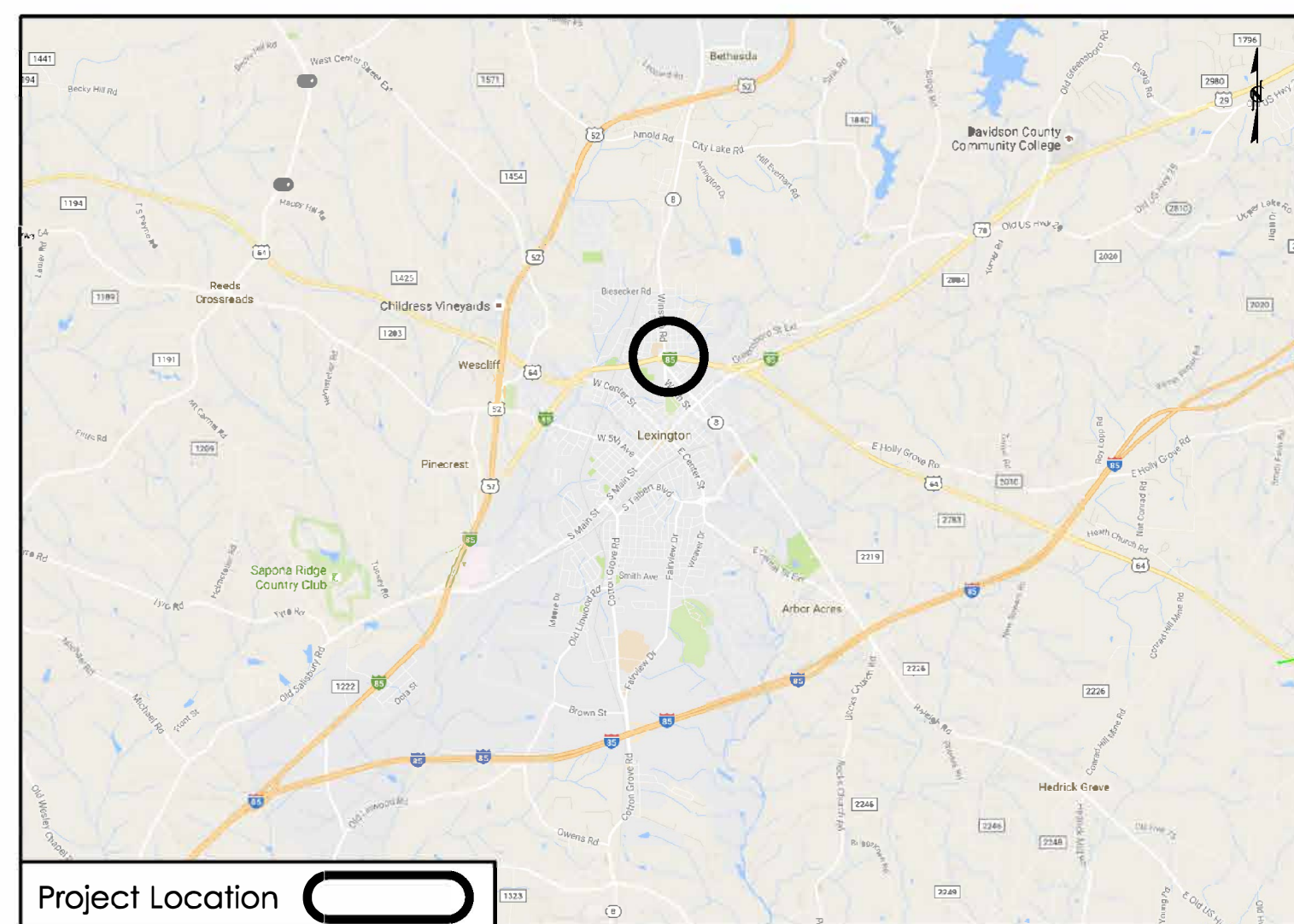
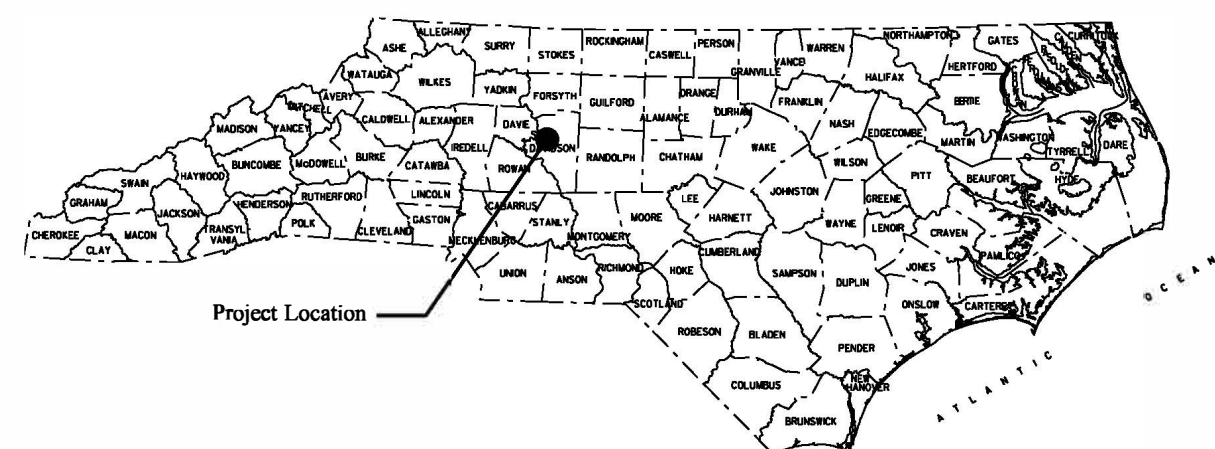


HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
B-3159	38331.1.1	L1	6
FED. PROJ. #	DESCRIPTION		DIVISION
STPNHS-0052(31)	TIP		9



B-3159: I-85 Bus./ Us 29 & NC 8 Historic Mitigation

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	---

Summary of Quantities 2 Year Establishment

DES	SEC	QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	SIZE	CALIPER	FURNISH	A.S.N.S.	REMARKS
Trees											
L	1670	14	ea	AA	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance® Serviceberry		2-2.5"	30G; Single Stem	2.3	As Shown
L	1670	12	ea	CC	<i>Carpinus caroliniana</i>	American Hornbeam		2.5-3"	B&B	2.2	As Shown
L	1670	15	ea	CA	<i>Cercis canadensis</i>	Eastern Redbud		1.5-1.75"	B&B	2.3	As Shown
L	1670	17	ea	CF	<i>Cercis canadensis</i> 'Forest Pansy'	Forest Pansy Eastern Redbud		1.75-2"	30G	2.3	As Shown
L	1670	9	ea	CP	<i>Cornus florida</i> 'Cherokee Princess'	Cherokee Princess Flowering Dogwood	7-8'		B&B	2.4	As Shown
L	1670	8	ea	IO	<i>Ilex opaca</i> 'Satyr Hill'	Satyr Hill American Holly	7-8'		B&B	5.8	As Shown
L	1670	21	ea	JV	<i>Juniperus virginiana</i>	Eastern Red Cedar	7-8'		B&B	4.9	As Shown
L	1670	41	ea	ML	<i>Magnolia grandiflora</i> 'Little Gem'	Little Gem Southern Magnolia	7-8'		B&B	5.8	As Shown
L	1670	3	ea	UP	<i>Ulmus americana</i> 'Princeton'	Princeton Elm		2.5-3"	B&B	2.1	40' O.C.
Shrubs											
L	1670	7	ea	FM	<i>Fothergilla major</i> 'Mount Airy'	Mount Airy Fothergilla	12-18"		#3 Cont.	3.3	4' O.C.
L	1670	22	ea	IH	<i>Itea virginica</i> 'Sprich'	Little Henry® Dwarf Virginia Sweetspire	12-15"		#3 Cont.	3.2	2.5' O.C.
Grasses/Groundcovers/Perennials											
L	1670	116	ea	PN	<i>Panicum virgatum</i> 'Northwind'	Northwind Switchgrass	12-18"		#3 Cont.	13.4	2.5' O.C.
L	1670	162	ea	SA	<i>Sedum spectabile</i> 'Autumn Joy'	Autumn Joy Sedum	6-12"		#1 Cont.	13.3	2' O.C.
Other Vegetation Costs											
L	1670	0.25	acre		Selective Vegetation Removal						
L	1670	24	ea		Monthly Maintenance						
L	1670	122	cy		Mulch for Planting						Depth of 4"
L	1670	472	sy		Pre-emergence Herbicidal Treatment						
L	1670	472	sy		Post-emergence Herbicidal Treatment						
L	1670	20	m/g		Water for Planting						
L	1101	1	LS		Temporary Traffic Control						

NOTES:

- Existing conditions shown on the plans are based on survey information and roadway plans. actual site conditions may vary.
- Prior to any demolition or work taking place, the contractor shall locate and verify all utility lines and structures within the construction areas (water, sewer, gas, electrical, etc.)
- The contractor shall take the necessary precautions to prevent damage of adjacent plant material, facilities, and structures to remain. The contractor shall restore disturbed areas to their original condition and to the satisfaction of the Division Roadside Environmental Engineer.
- The utilities shown on the plans are approximate locations. The contractor shall locate and protect in place all existing utilities before digging occurs and major construction begins.
- Demolition, removal, and disposal of items from the site must be completely in accordance with the law. The contractor is responsible for making a site visit to determine and verify all demolition requirements prior to bidding.
- The contractor shall verify all conditions and dimensions at the job site prior to construction, and if discrepancies are found, notify the Division Roadside Environmental Engineer for clarification.

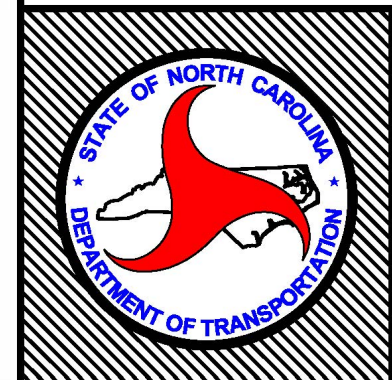
INDEX OF L SHEETS:

- L 1.0 - Title Sheet
- L 2.0 - Planting Details
- L 3.0 - Demolition Plan
- L 4.0 - Historic Mitigation Planting Plans
- L 5.0 - Enhancement Planting Plans
- L 6.0 - Enhancement Planting Plans

PREPARED BY: K. Cooper DATE: 04/25/2019

REVISIONS

DATE	DESCRIPTION
04/12/2019	Adjusted tree layout, plant beds, and plant types



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION







LOCATION: I-85 Bus./ Us 29 & NC 8

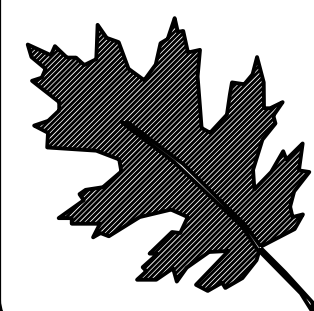
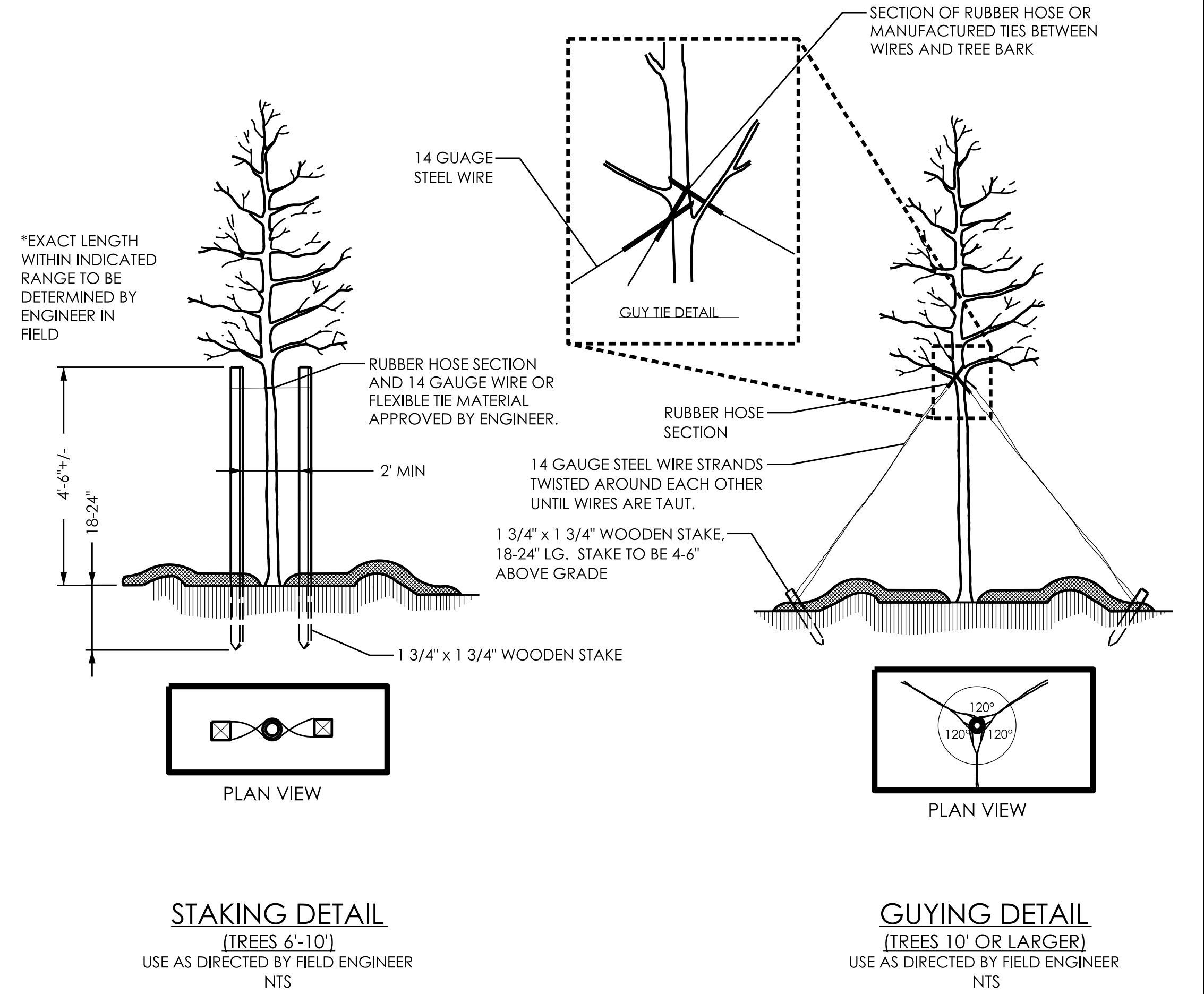
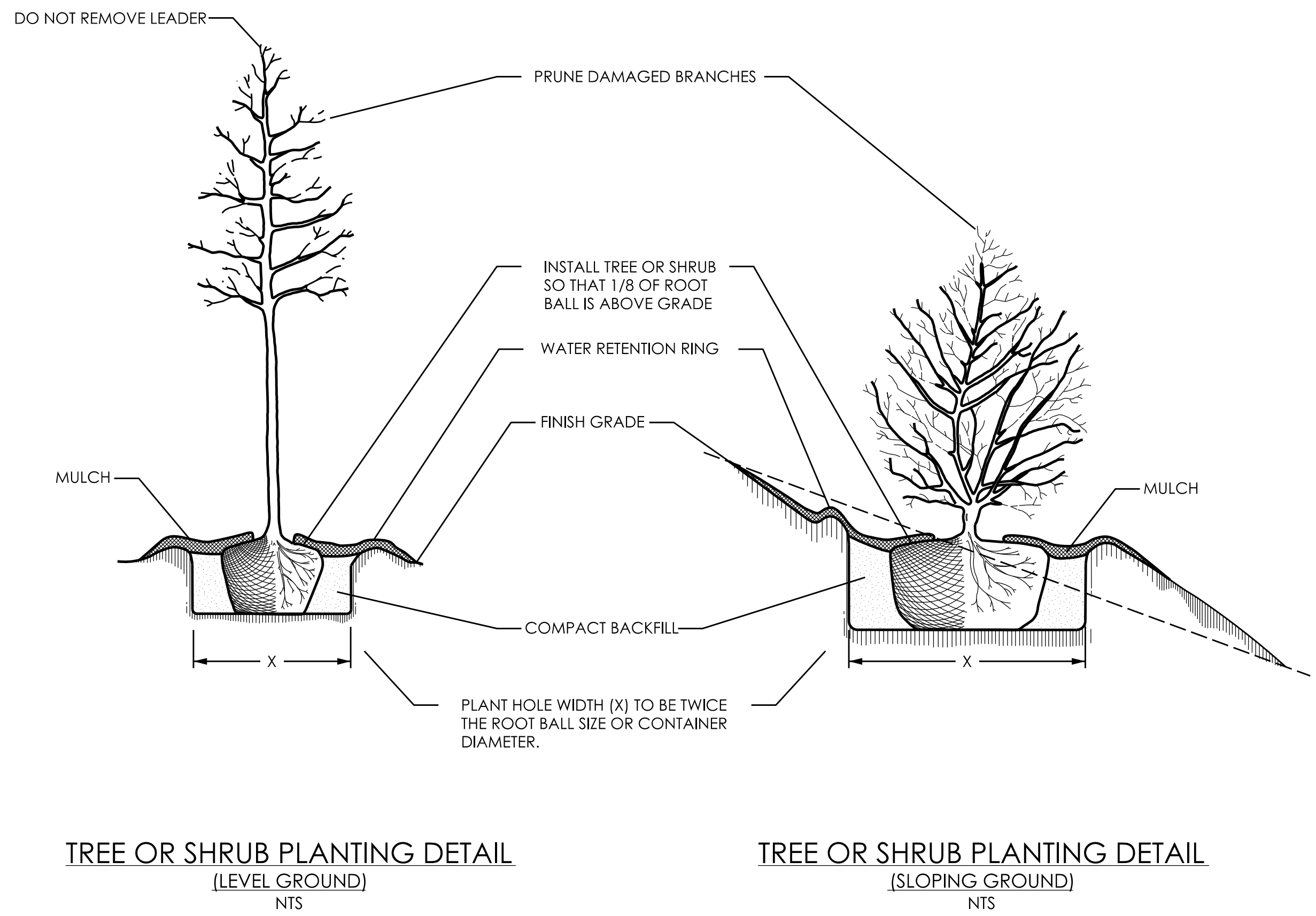
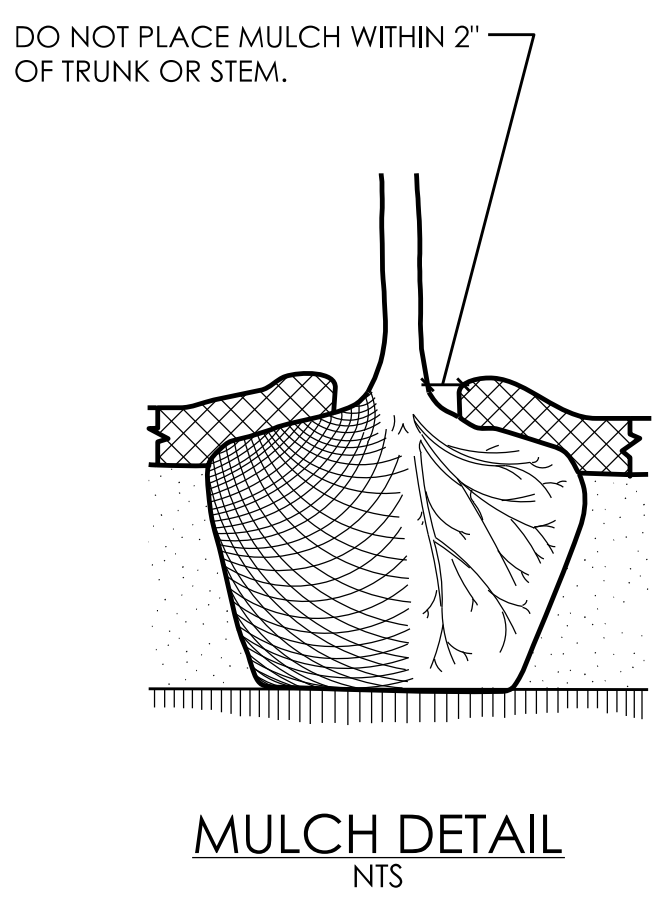
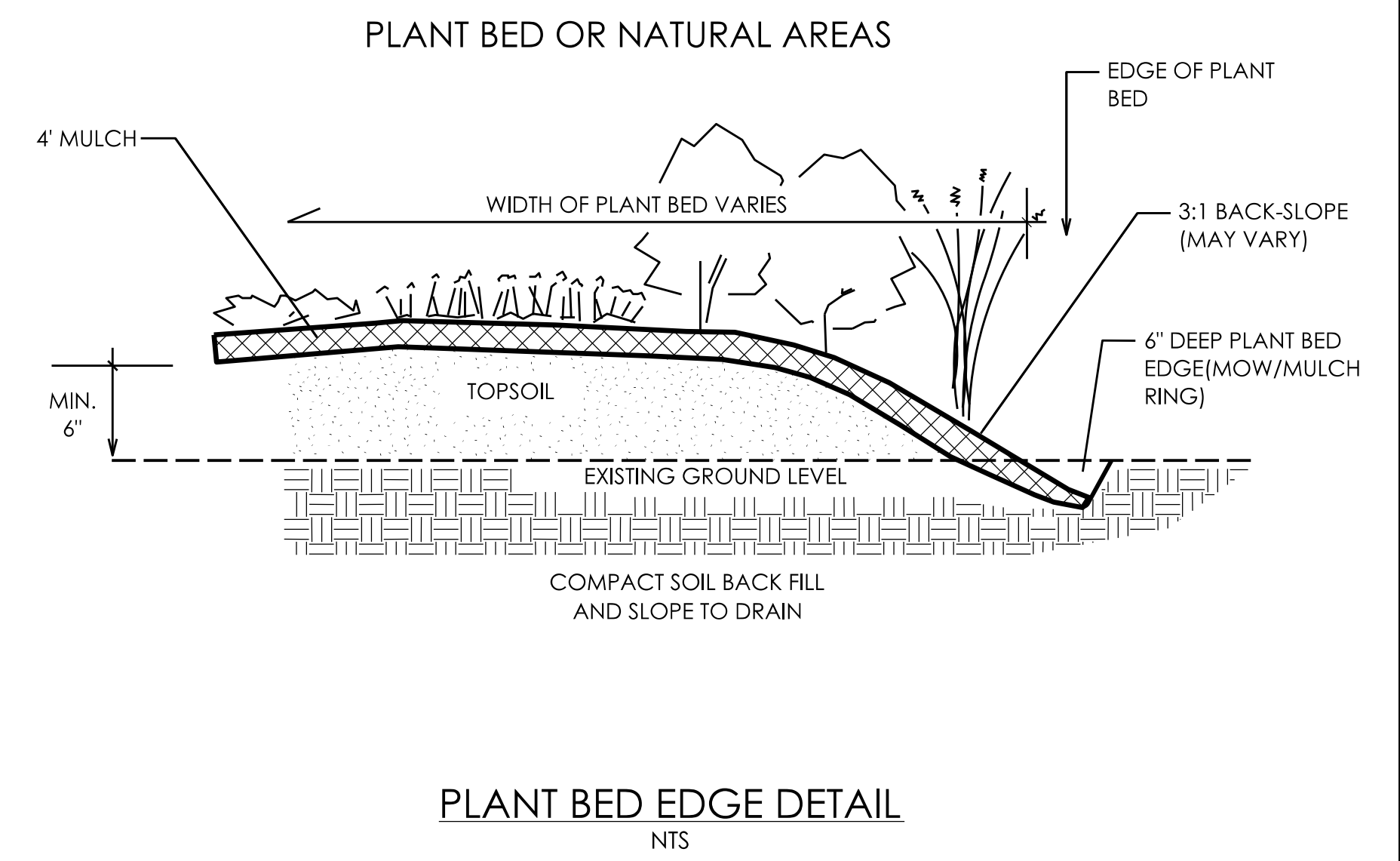
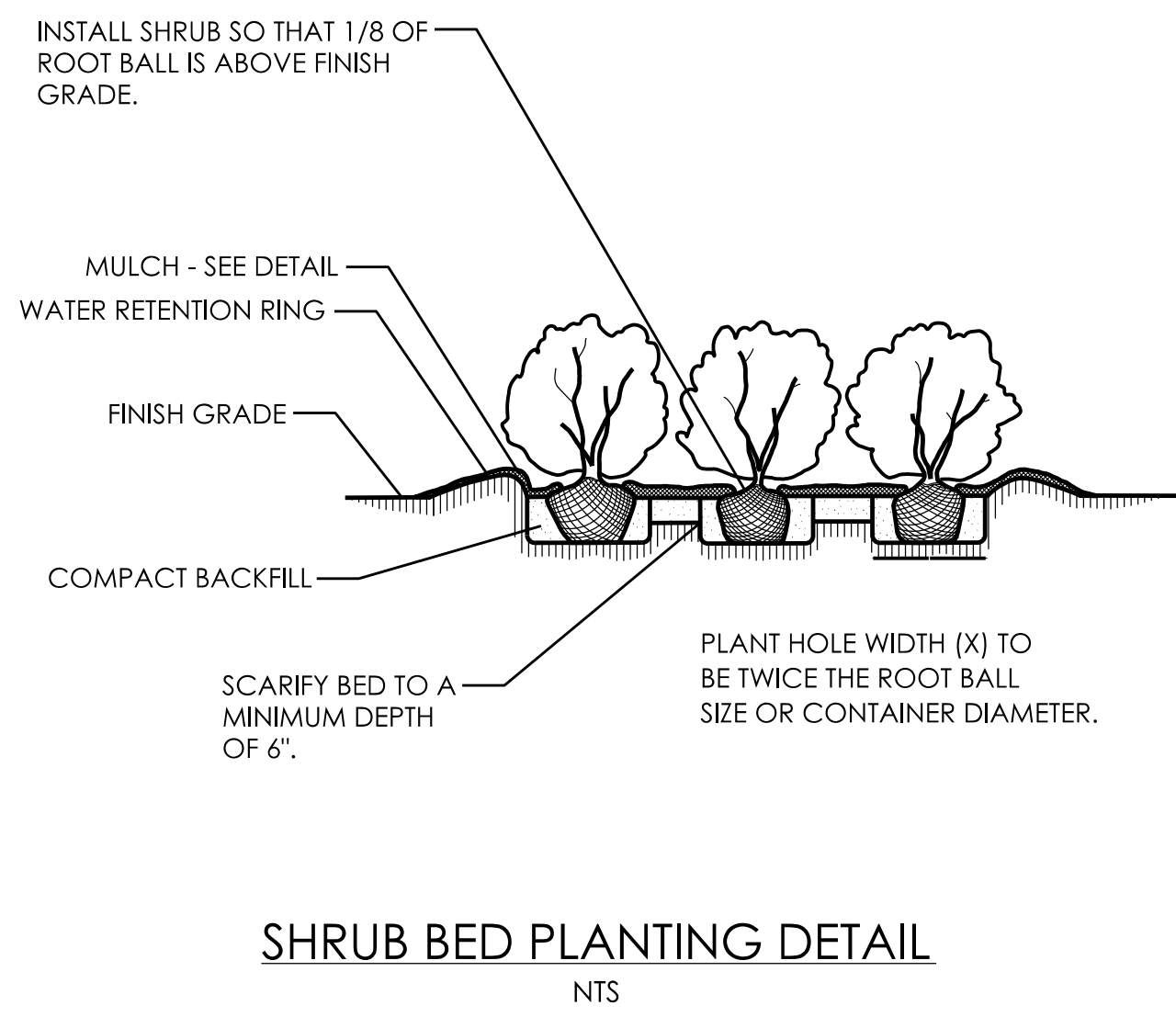
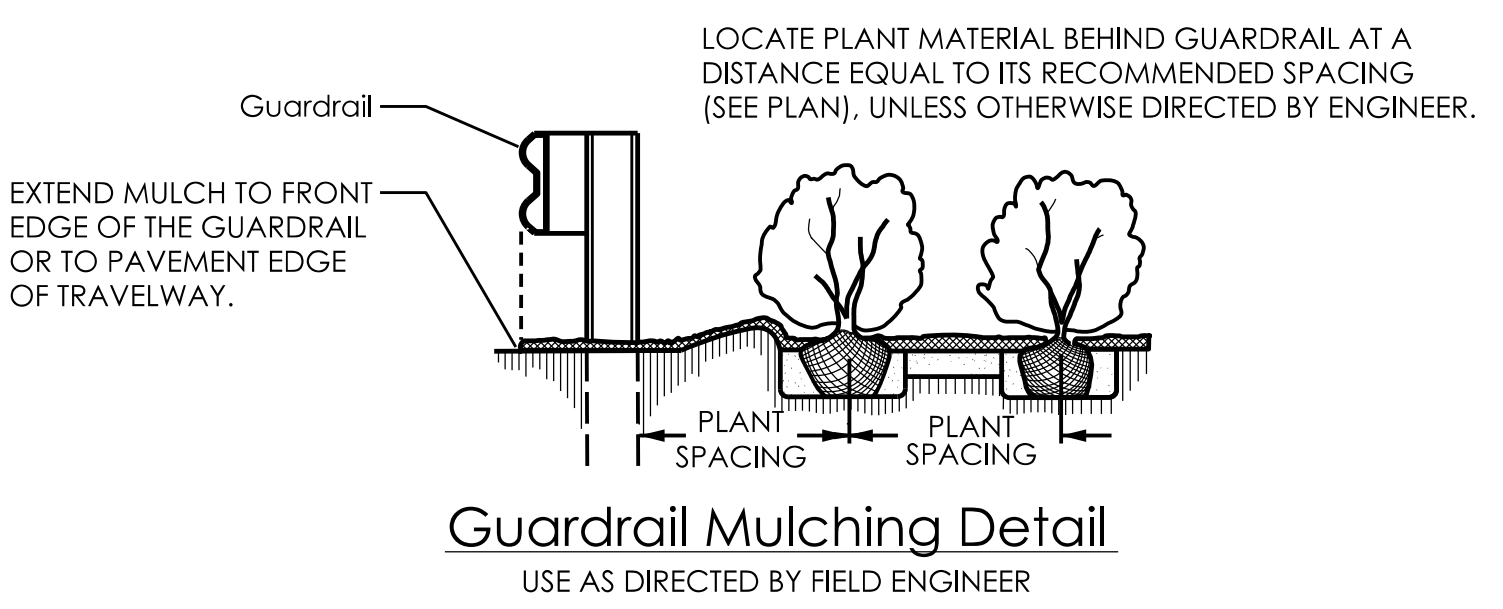
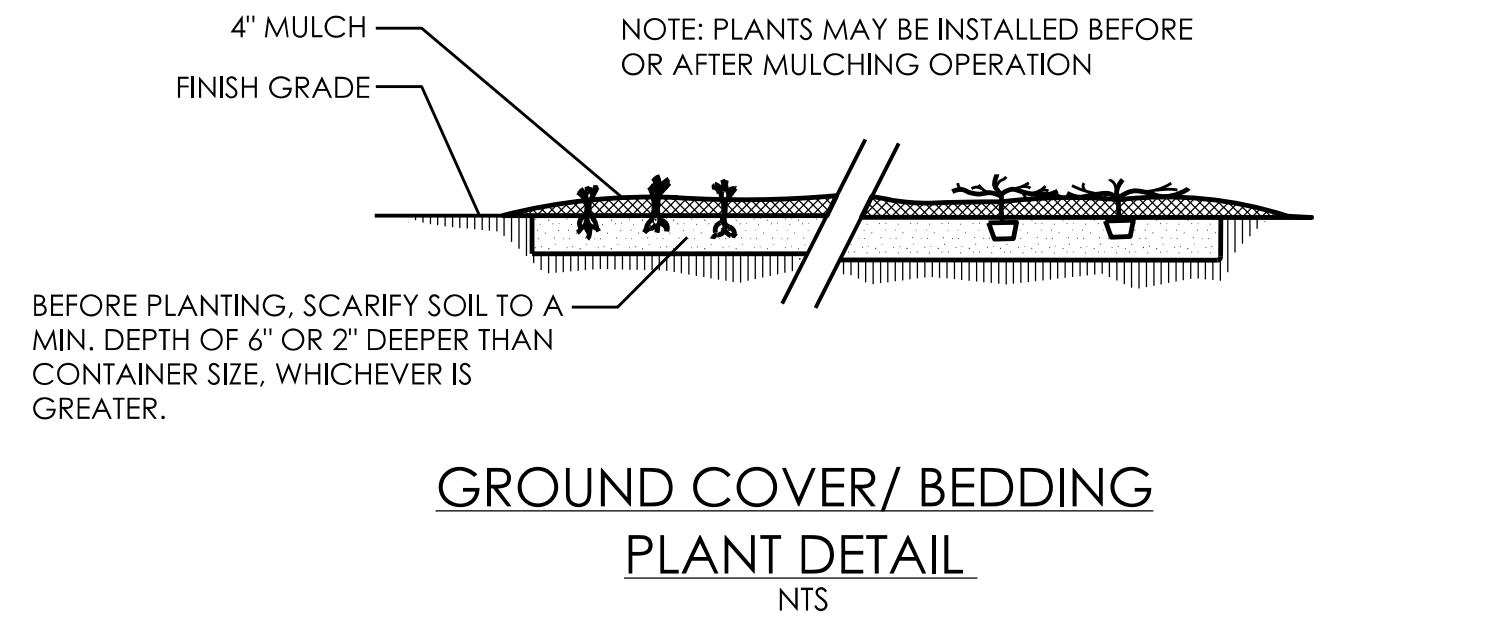
TYPE of WORK: TIP

COUNTY: Davidson County

2014 American Standard for Nursery Stock
2018 NCDOT STANDARD SPECIFICATIONS
PREPARED IN THE OFFICE OF:
NCDOT- ROADSIDE ENVIRONMENTAL UNIT
AESTHETIC ENGINEERING SECTION
1557 MAIL SERVICE CENTER
RALEIGH, NC 27699 919-707-2920


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.



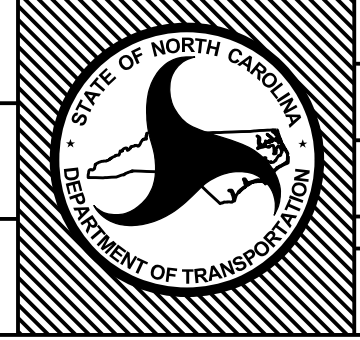
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 AESTHETIC ENGINEERING SECTION
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
 PH: 919-707-2935 FAX: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

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 Davidson County
 TIP #: B-3159

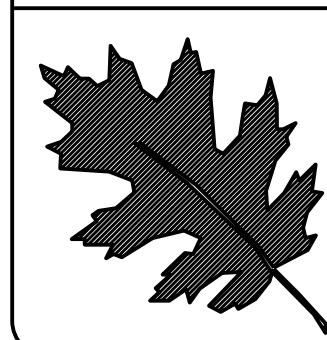
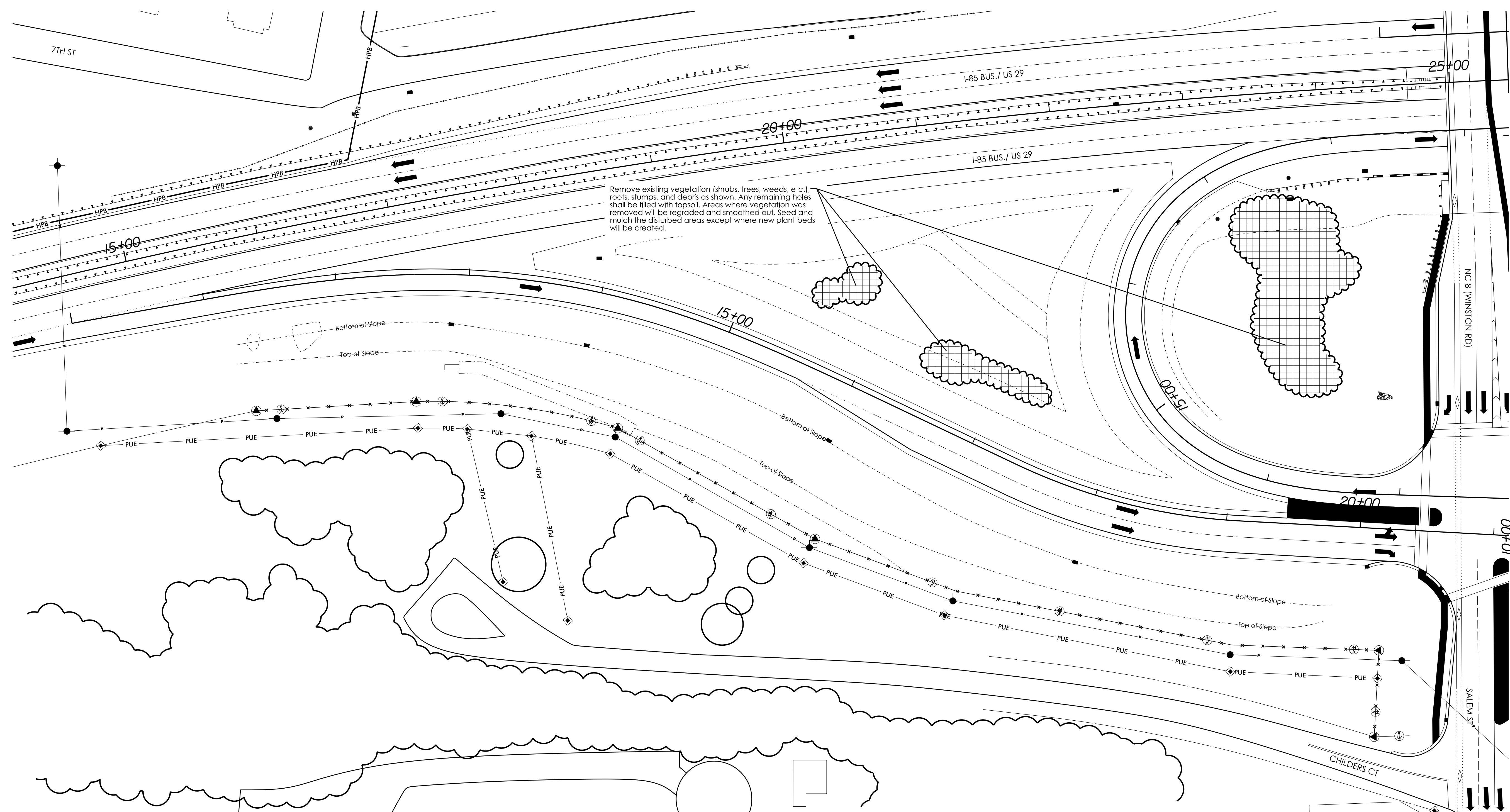
Landscape Architect


SHEET DESCRIPTION:	PREL. DESIGN DATE:	May 2017
	CHECKED BY & DATE:	-----
	FINAL DESIGN DATE:	April 25, 2019

Planting Details
 Landscape Plan Sheet



T.I.P. #	B-3159
WBS #	38331.1.1
FED I.D. #	STPNHS-0052(31)
SHEET NO.:	L-2
TOTAL SHEET NO.:	L-6



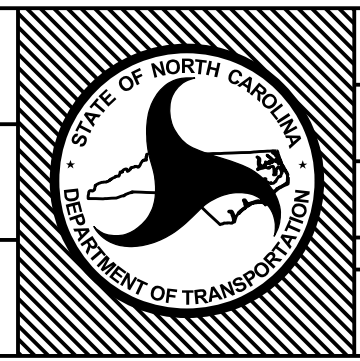
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I-85 Bus./ Us 29 & NC 8 Hist. Mitigation
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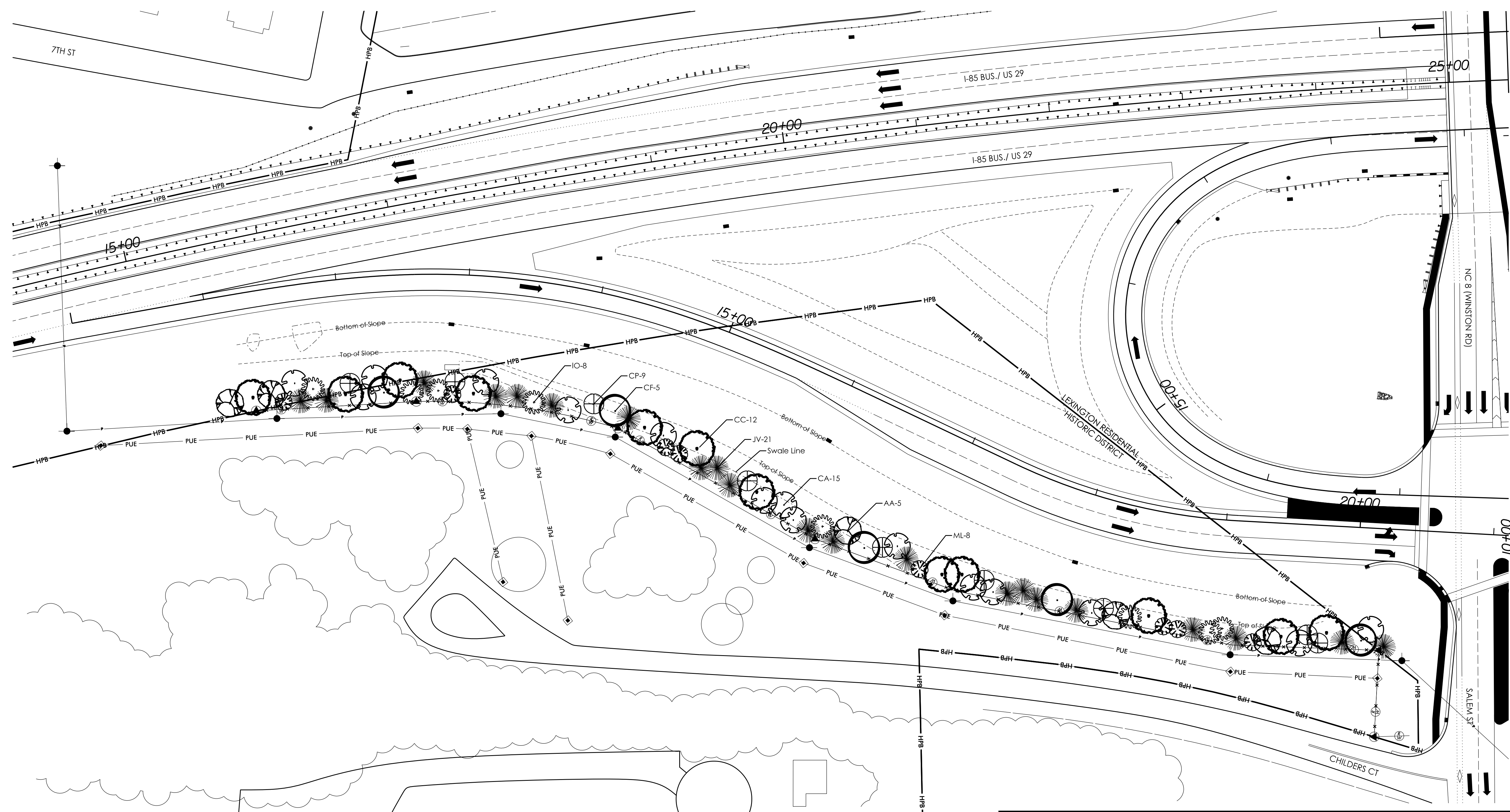
Landscape Architect
Kyle Cooney

SHEET DESCRIPTION:	PREL. DESIGN DATE:	May 2017
	CHECKED BY & DATE:	-----
	FINAL DESIGN DATE:	April 25, 2019

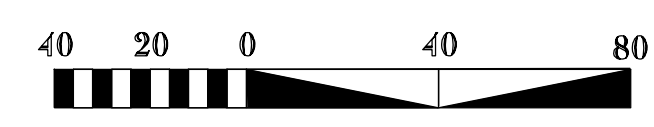
Demolition Plan
Landscape Plan Sheet




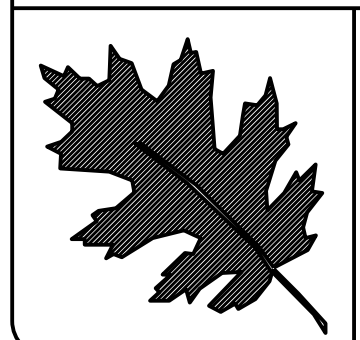
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WBS #	38331.1.1
FED I.D. #	STPNHS-0052(31)
SHEET NO.:	L-3
TOTAL SHEET NO.:	L-6



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
5	AA	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance® Serviceberry	As Shown
12	CC	<i>Carpinus caroliniana</i>	American Hornbeam	As Shown
15	CA	<i>Cercis canadensis</i>	Eastern Redbud	As Shown
5	CF	<i>Cercis canadensis</i> 'Forest Pansy'	Forest Pansy Eastern Redbud	As Shown
9	CP	<i>Cornus florida</i> 'Cherokee Princess'	Cherokee Princess Flowering Dogwood	As Shown
8	IO	<i>Ilex opaca</i> 'Satyr Hill'	Satyr Hill American Holly	As Shown
21	JV	<i>Juniperus virginiana</i>	Eastern Red Cedar	As Shown
8	ML	<i>Magnolia grandiflora</i> 'Little Gem'	Little Gem Southern Magnolia	As Shown



Landscape Architect


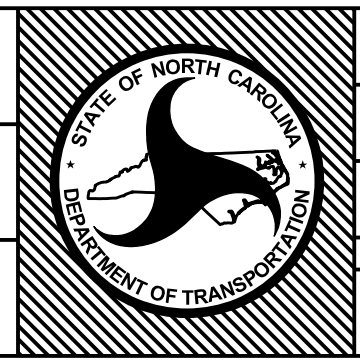


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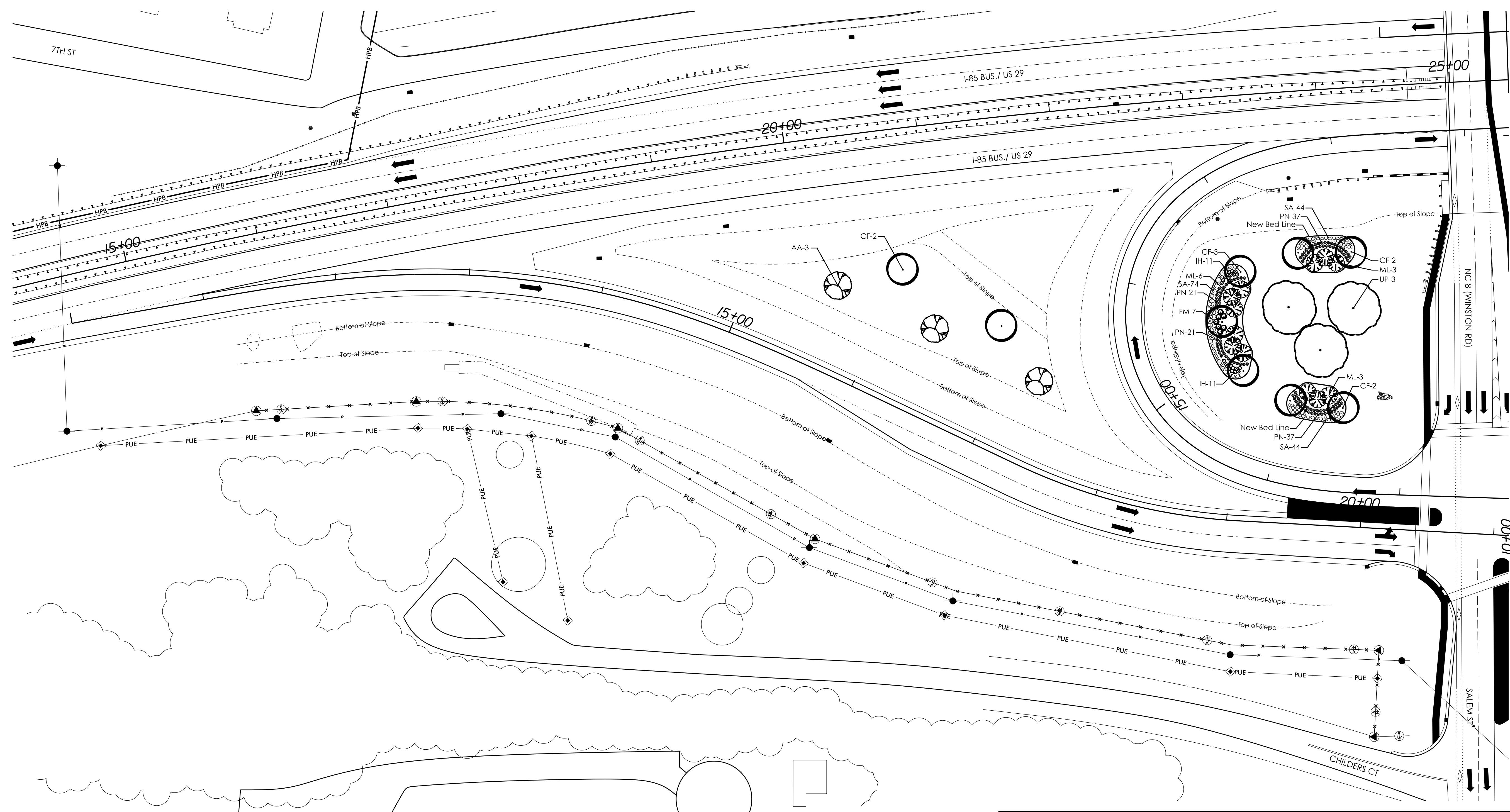
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 Davidson County
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 CHECKED BY & DATE: -----
 FINAL DESIGN DATE: April 25, 2019

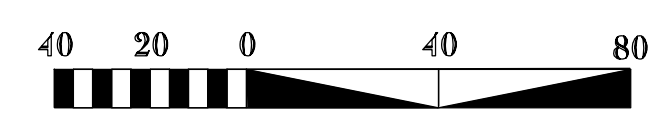
Hist. Mitigation Planting Plan
 Landscape Plan Sheet




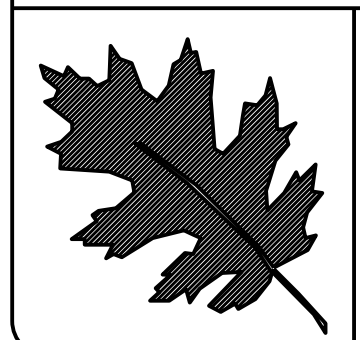
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 FED I.D. # STPNHS-0052(31)
 SHEET NO.: L-4
 TOTAL SHEET NO.: L-6



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
3	AA	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance® Serviceberry	As Shown
9	CF	<i>Cercis canadensis</i> 'Forest Pansy'	Forest Pansy Eastern Redbud	As Shown
7	FM	<i>Fothergilla major</i> 'Mount Airy'	Mount Airy Fothergilla	4' O.C.
22	IH	<i>Itea virginica</i> 'Sprich'	Little Henry® Dwarf Virginia Sweetspire	2.5' O.C.
12	ML	<i>Magnolia grandiflora</i> 'Little Gem'	Little Gem Southern Magnolia	9' O.C.
116	PN	<i>Panicum virgatum</i> 'Northwind'	Northwind Switchgrass	2.5' O.C.
162	SA	<i>Sedum spectabile</i> 'Autumn Joy'	Autumn Joy Sedum	2' O.C.
3	UP	<i>Ulmus americana</i> 'Princeton'	Princeton Elm	40' O.C.

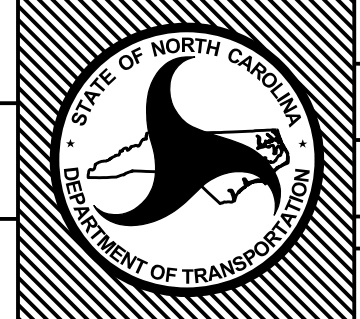


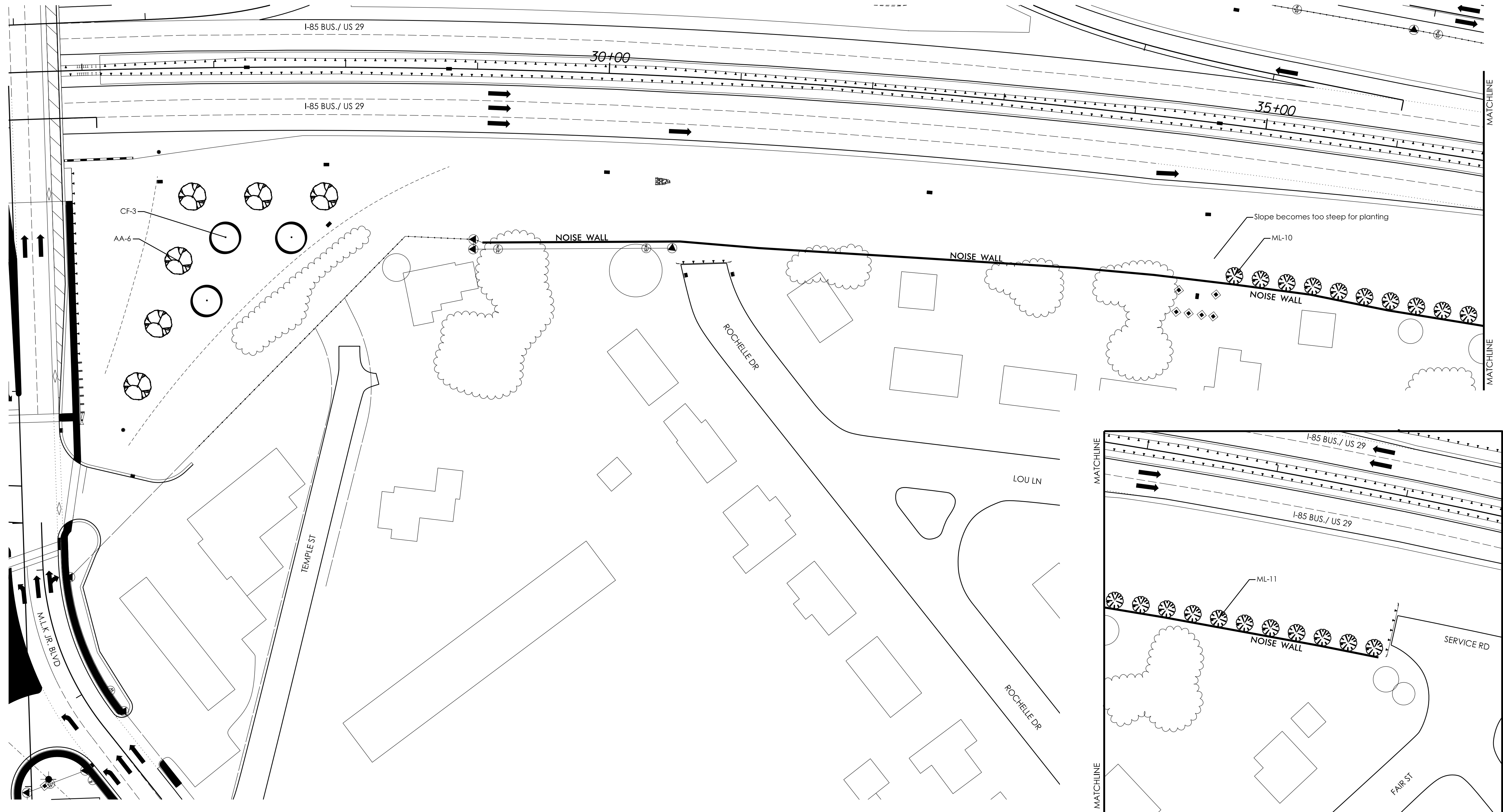
Landscape Architect




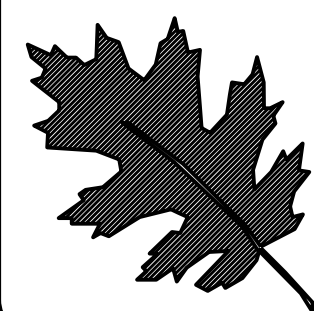
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 Davidson County
 TIP #: B-3159

SHEET DESCRIPTION:	PREL. DESIGN DATE:	May 2017	Enhancement Planting Plan		T.I.P. #	B-3159	
	CHECKED BY & DATE:	-----	Landscape Plan Sheet		WBS #	38331.1.1	
	FINAL DESIGN DATE:	April 25, 2019			FED I.D. #	STPNHS-0052(31)	
				SHEET NO.:	L-5	TOTAL SHEET NO.:	L-6



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
6	AA	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance® Serviceberry	As Shown
3	CF	<i>Cercis canadensis</i> 'Forest Pansy'	Forest Pansy Eastern Redbud	As Shown
21	ML	<i>Magnolia grandiflora</i> 'Little Gem'	Little Gem Southern Magnolia	20' O.C.



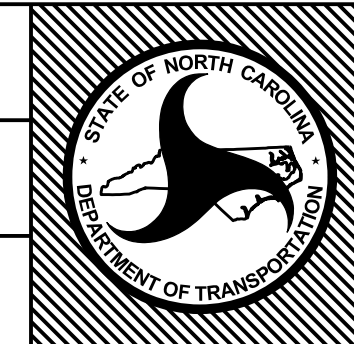
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 Davidson County
 TIP #: B-3159

Landscape Architect
 Kyle Coady

SHEET DESCRIPTION:
 PREL. DESIGN DATE: May 2017
 CHECKED BY & DATE: -----
 FINAL DESIGN DATE: April 25, 2019

Enhancement Planting Plan
 Landscape Plan Sheet



T.I.P. # B-3159
 WBS # 38331.1.1
 FED I.D. # STPNHS-0052(31)
 SHEET NO.: L-6
 TOTAL SHEET NO.: L-6