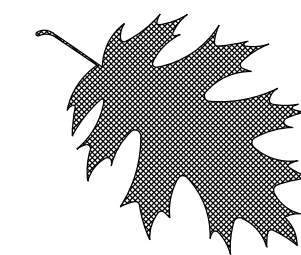
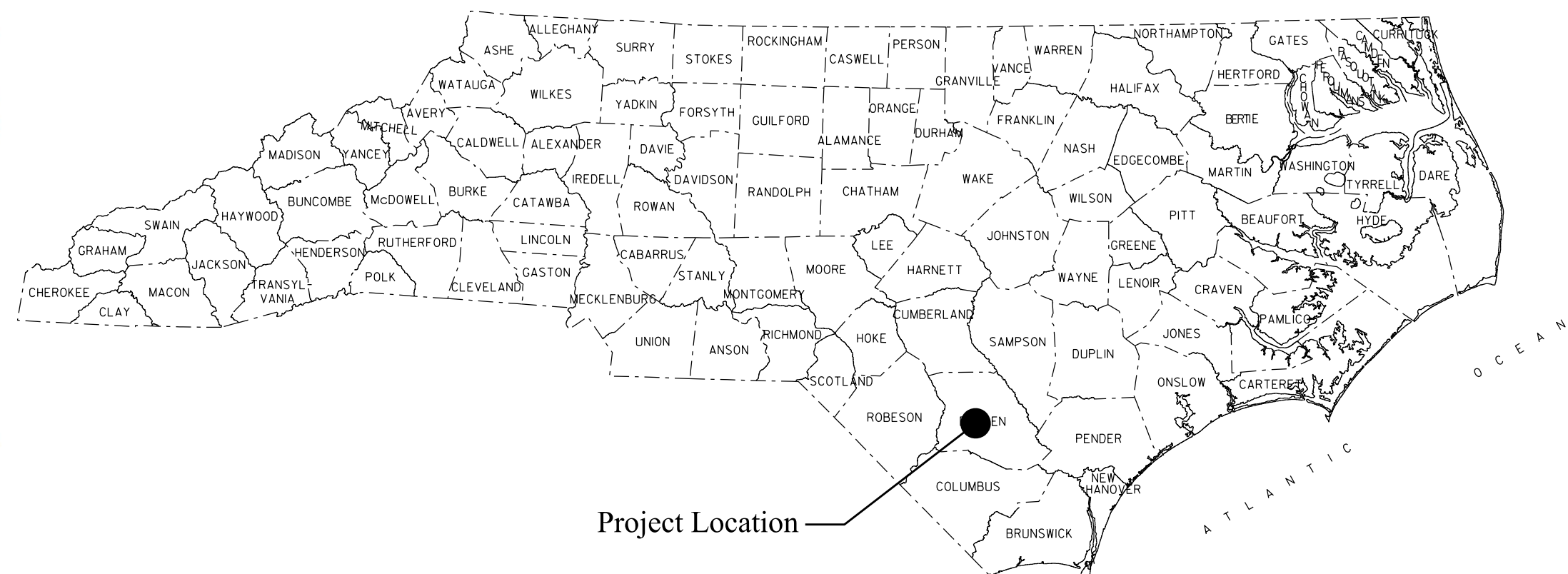
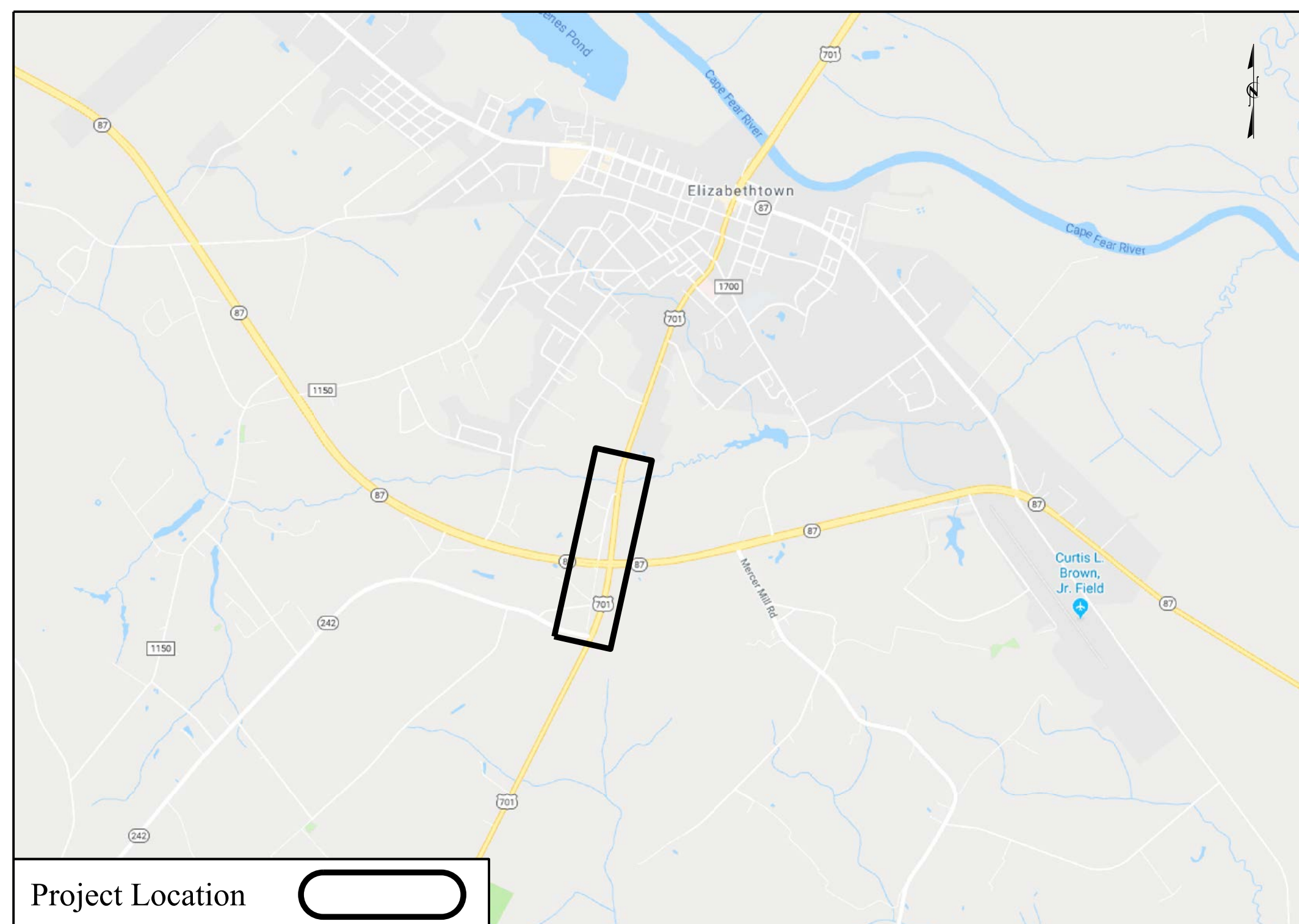


HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



R-4903 NC 701 & NC 87 BYPASS IN ELIZABETHTOWN

T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
R-4903	40226.1.1	L1	6
FED. PROJ. #	DESCRIPTION		DIVISION
- - - -	TIP		6



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
1 Year Establishment

DES	SEC	QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	SIZE	CALIPER	FURNISH	A.S.N.S.	REMARKS
Trees											
L	1670	27	ea	LT	<i>Lagerstroemia indica x fauriei</i> 'Tuscarora'	Tuscarora Crape Myrtle	7-8'		B&B	2.5	35' O.C.
L	1670	15	ea	QP	<i>Quercus phellos</i> 'Hightower'	Hightower Willow Oak		2-2.5"	B&B	2.2	100' O.C.
Grasses/Groundcovers/Perennials											
L	1670	3447	ea	HB	<i>Hemerocallis</i> 'Buttered Popcorn'	Buttered Popcorn Daylily	6-12"		#1 Cont	13.2.3	2' O.C.
L	1670	2052	ea	HJ	<i>Hemerocallis</i> 'Joan Senior'	Joan Senior Daylily	6-12"		#1 Cont	13.2.3	2' O.C.
Other Vegetation Costs											
L	SP	0.70	acre		Slit Seeding & Fertilization (Princess 77 Bermuda)						
L	1670	12	ea		Monthly Maintenance						
L	1670	298	cy		Mulch for Planting						4" Depth
L	1670	2484	sy		Post emergence Herbicidal Treatment						
L	1670	2484	sy		Pre emergence Herbicidal Treatment						
L	1651	2	ea		Selective Tree Removal, 15"						
L	1101	1	LS		Traffic Control						
L	1670	54	m/g		Water for Planting						

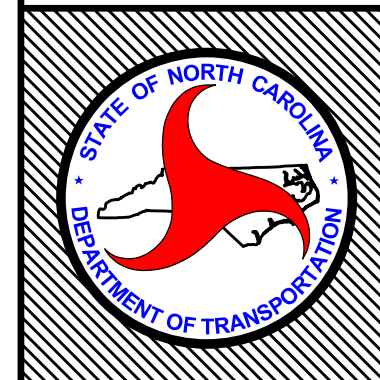
INDEX OF L SHEETS:

- L 1.0 - Title Sheet
- L 2.0 - Planting Details
- L 3.0 - L 6.0 - Planting Plans

PREPARED BY: KC DATE: 04/2018

REVISIONS

DATE	DESCRIPTION
04/06/2018	Remove Sod/ Add Aeration & Overseeding
03/06/2019	Add daylily bed near NC 242, three oak trees near the old US-701 road bed, & additional seeding



STATE OF
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION







LOCATION: NC 701 & NC 87 Bypass in Elizabethtown

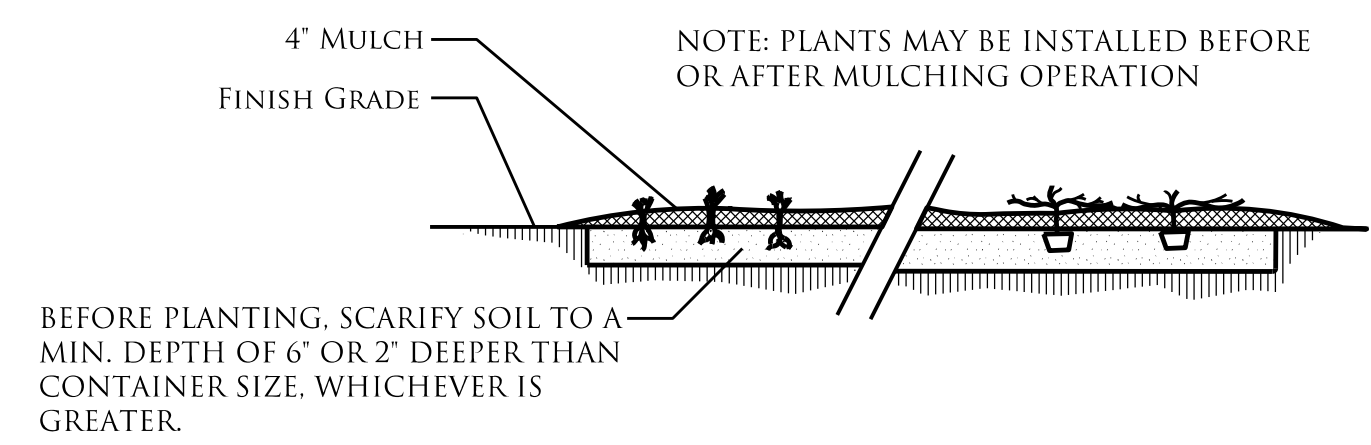
TYPE OF WORK: TIP

COUNTY: Bladen County

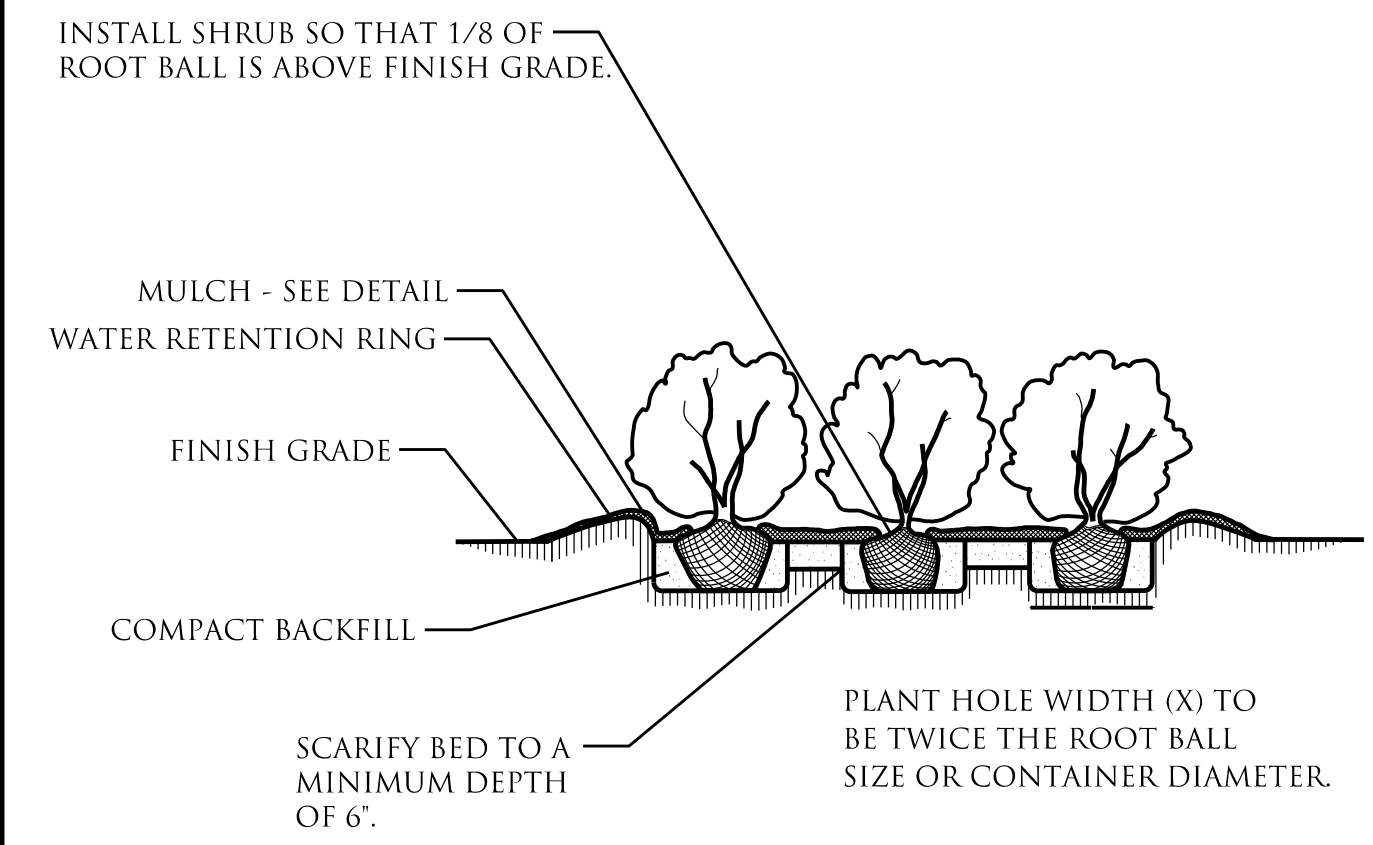
2014 American Standard for Nursery Stock
2018 NCDOT STANDARD SPECIFICATIONS
PREPARED IN THE OFFICE OF:
NCDOT- ROADSIDE ENVIRONMENTAL UNIT
AESTHETIC ENGINEERING SECTION
1557 MAIL SERVICE CENTER
RALEIGH NC 27699 919-707-2920

NOTES:

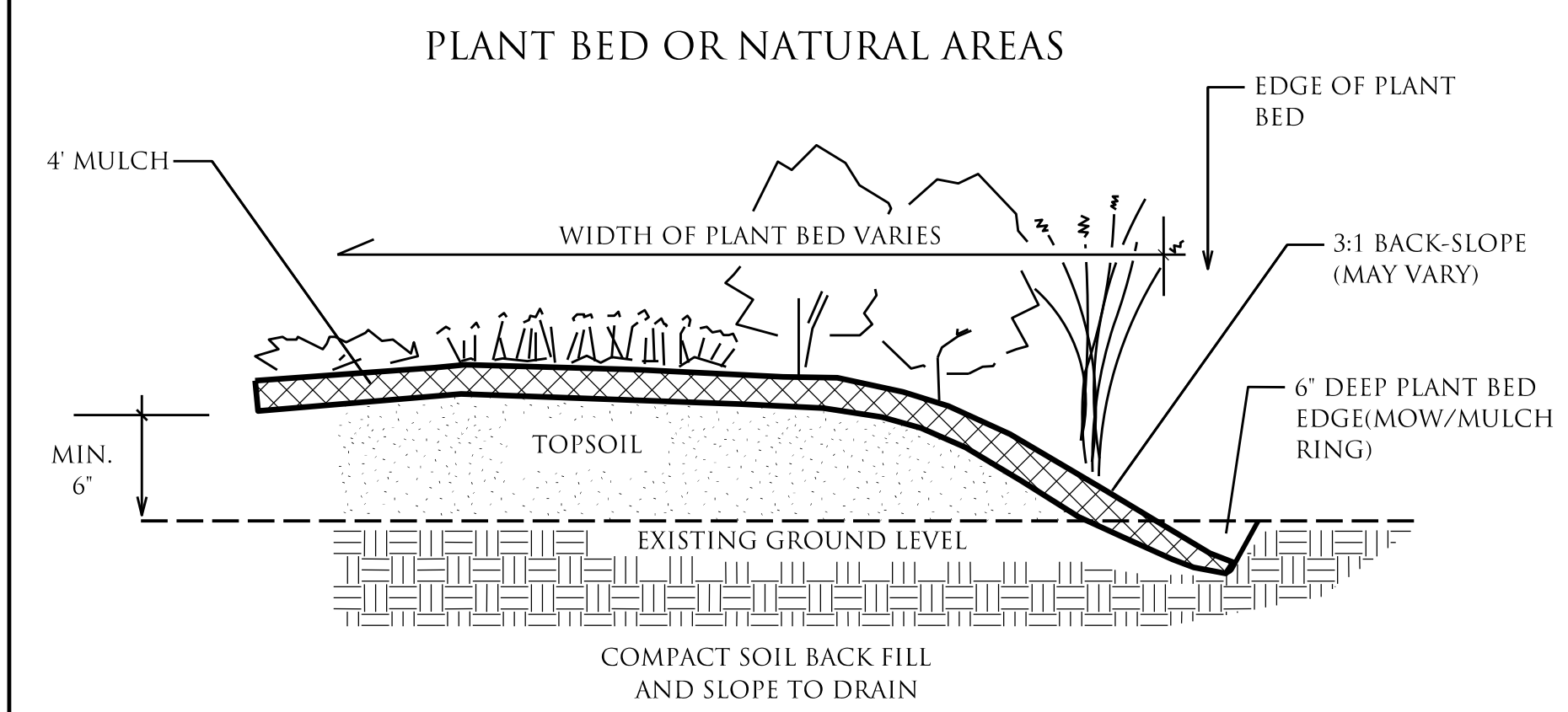
-  SCHEDULE FOR PLANT HOLE SIZE: PLANT HOLE WIDTH (X) TO BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.
-  SEE STANDARD SPECIFICATIONS FOR PLANT BED FUMIGATION AND HERBICIDAL TREATMENT.
-  APPLY FERTILIZER AT PLANTING TIME IN THE FORM OF A SLOW RELEASE PELLET OR TABLET. APPLY AT RATE RECOMMENDED 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.



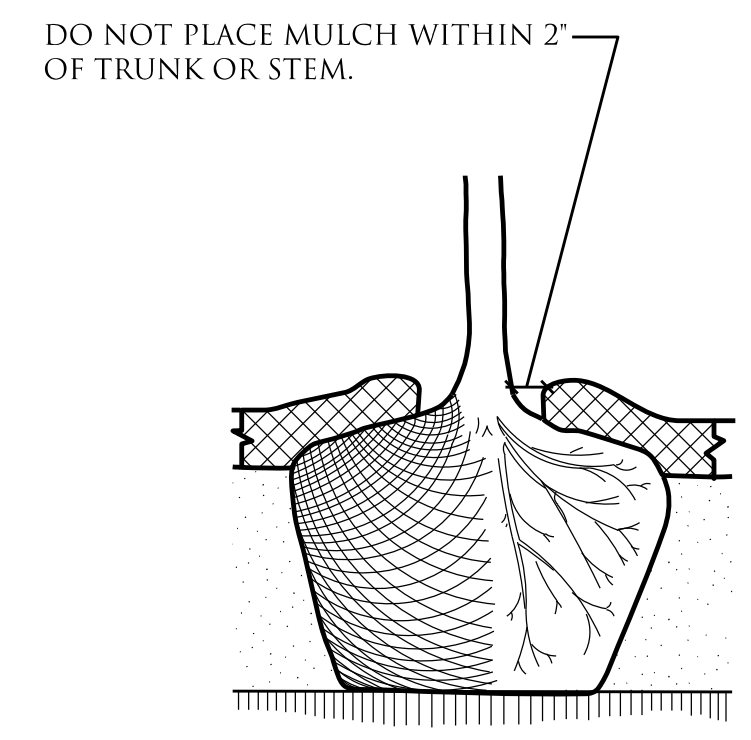
**GROUND COVER/ BEDDING
PLANT DETAIL**
NTS



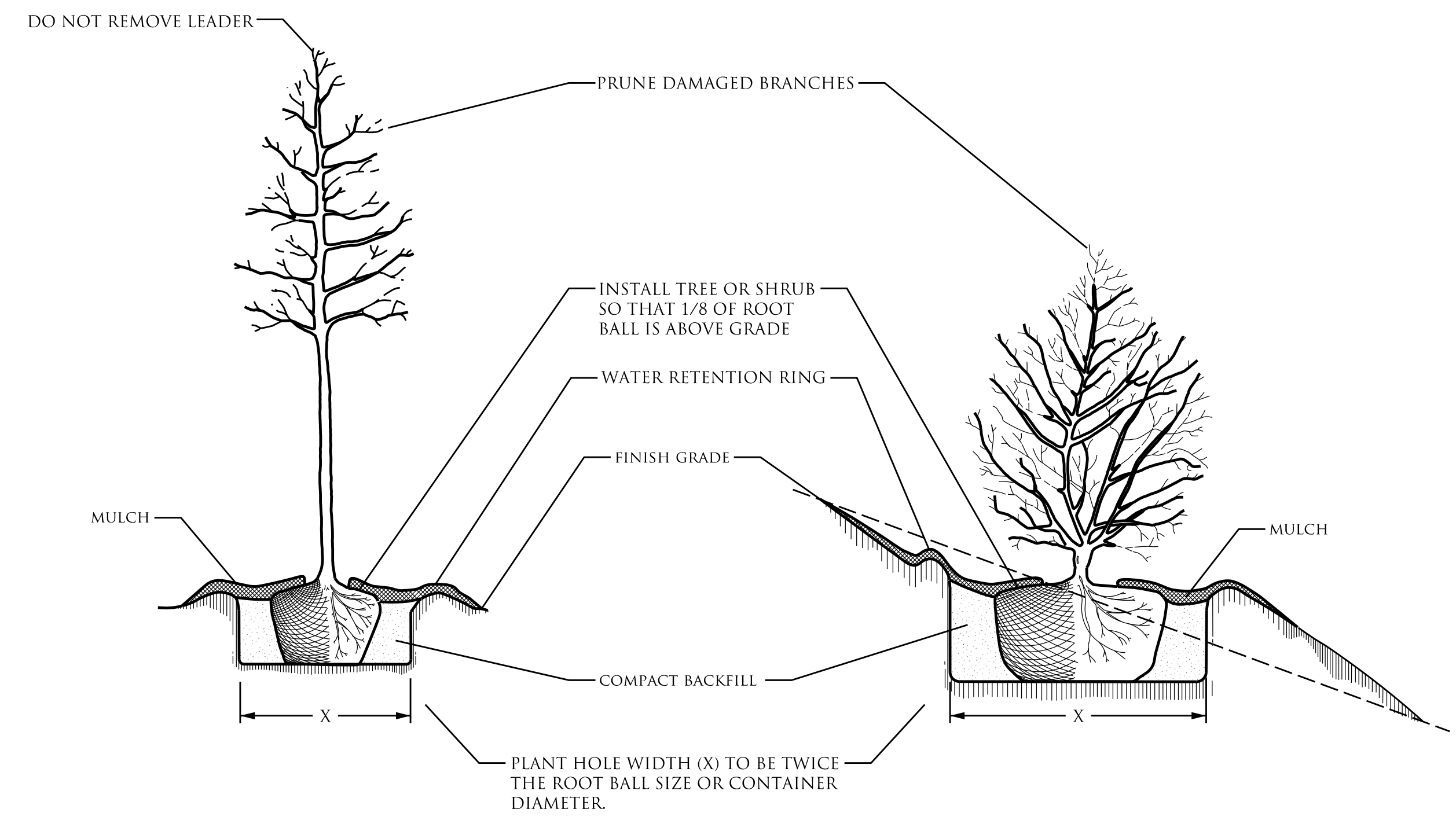
SHRUB BED PLANTING DETAIL
NTS



PLANT BED EDGE DETAIL
NTS

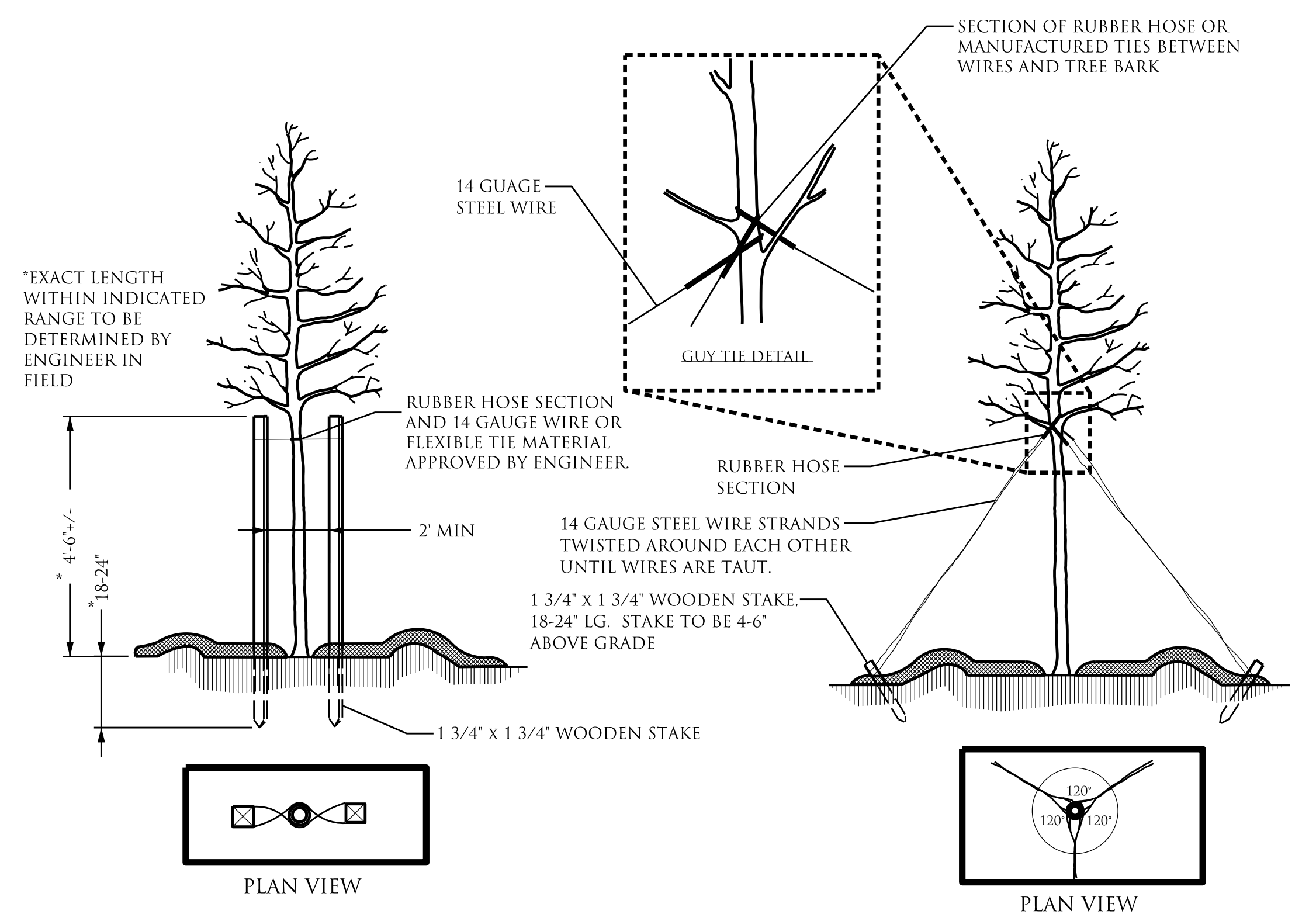


MULCH DETAIL
NTS



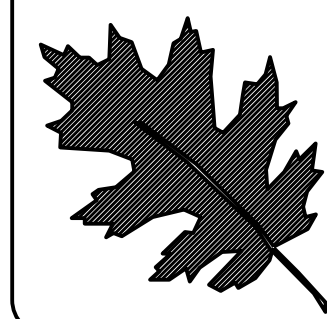
**TREE OR SHRUB PLANTING DETAIL
(LEVEL GROUND)**
NTS

**TREE OR SHRUB PLANTING DETAIL
(SLOPING GROUND)**
NTS



**STAKING DETAIL
(TREES 6-10')**
USE AS DIRECTED BY FIELD ENGINEER
NTS

**GUYING DETAIL
(TREES 10' OR LARGER)**
USE AS DIRECTED BY FIELD ENGINEER
NTS

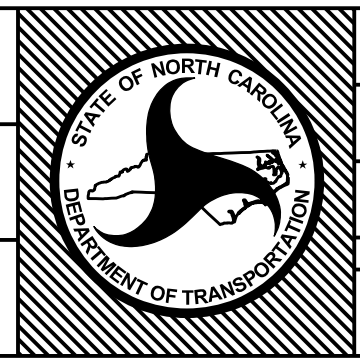


NCDOT - ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT
1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
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[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

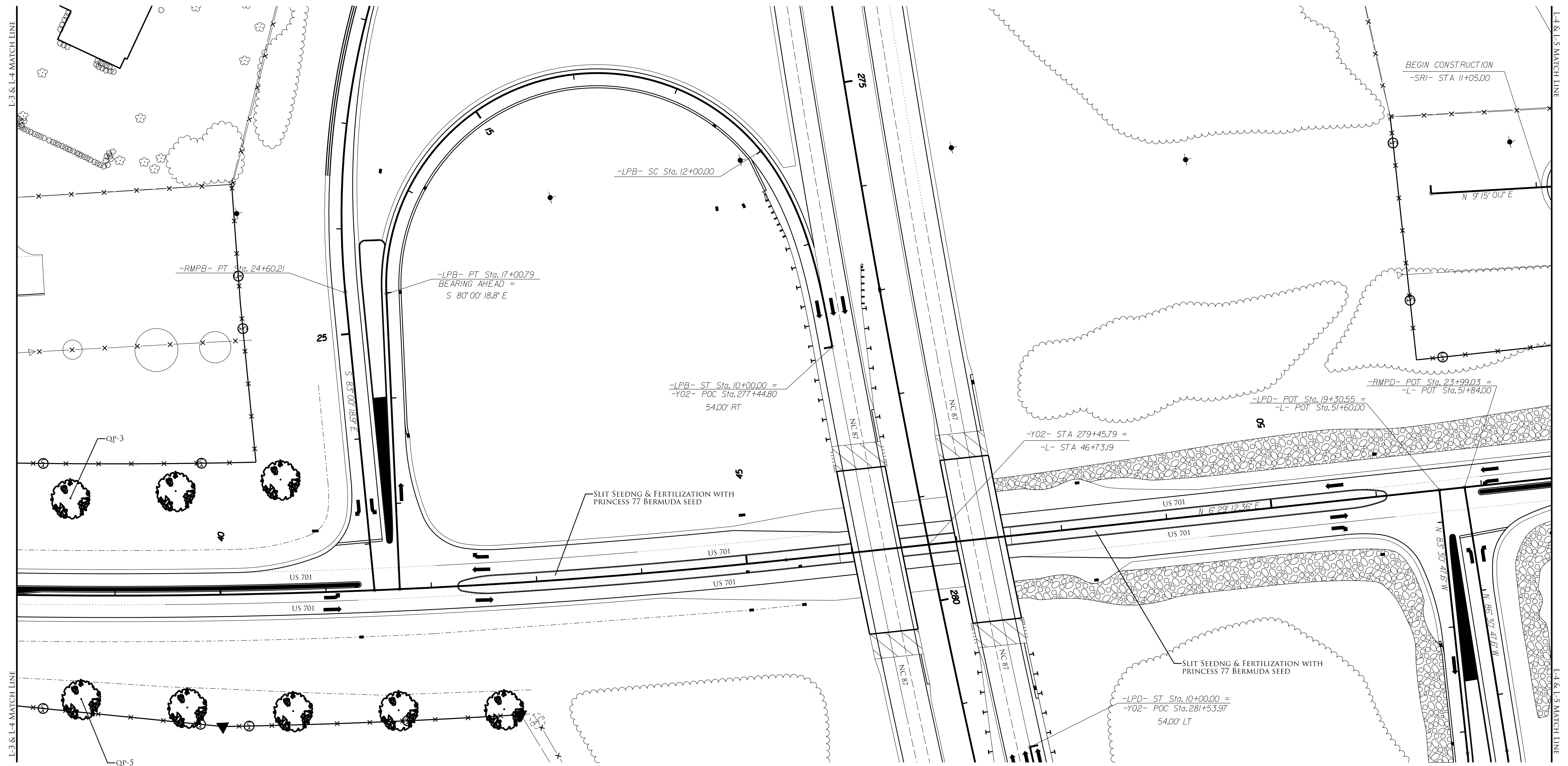
NC 701 & NC 87 BYPASS IN ELIZABETHTOWN,
BLADEN COUNTY
TIP #: R-4903
REV. DESIGNER
Kyle Coady

PREL. DESIGN DATE:	APRIL 6, 2018
CHECKED BY & DATE:	---
FINAL DESIGN DATE:	MARCH 7, 2019

PLANTING DETAILS
LANDSCAPE PLAN SHEET



T.I.P. #	R-4903
WBS #	40226.1.1
FED I.D. #	
SHEET NO.:	L-2
TOTAL SHEET NO.:	L-6

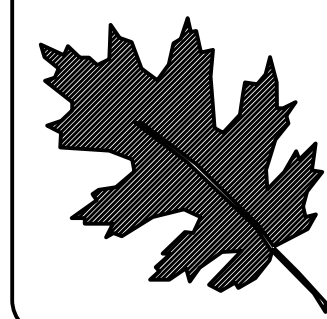


NOTE: PLEASE FOLLOW DIRECTIONS OF
ROADSIDE DIVISION ENGINEER

- ALL PLANT BED LAYOUTS AND TREE GROUPINGS MUST BE APPROVED BY THE ROADSIDE ENGINEER BEFORE MULCHING OR PLANTING.
- ENGINEER MUST APPROVE ANY PLANT BED CHANGES.



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
8	QP	QUERCUS PHELLOS 'HIGHTOWER'	HIGHTOWER WILLOW OAK	100' O.C.



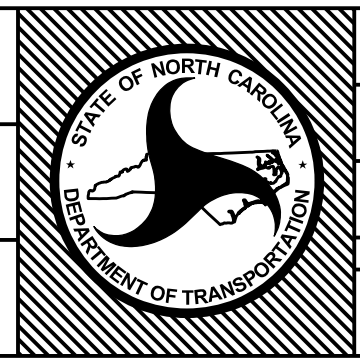
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NC 701 & NC 87 BYPASS IN ELIZABETHTOWN,
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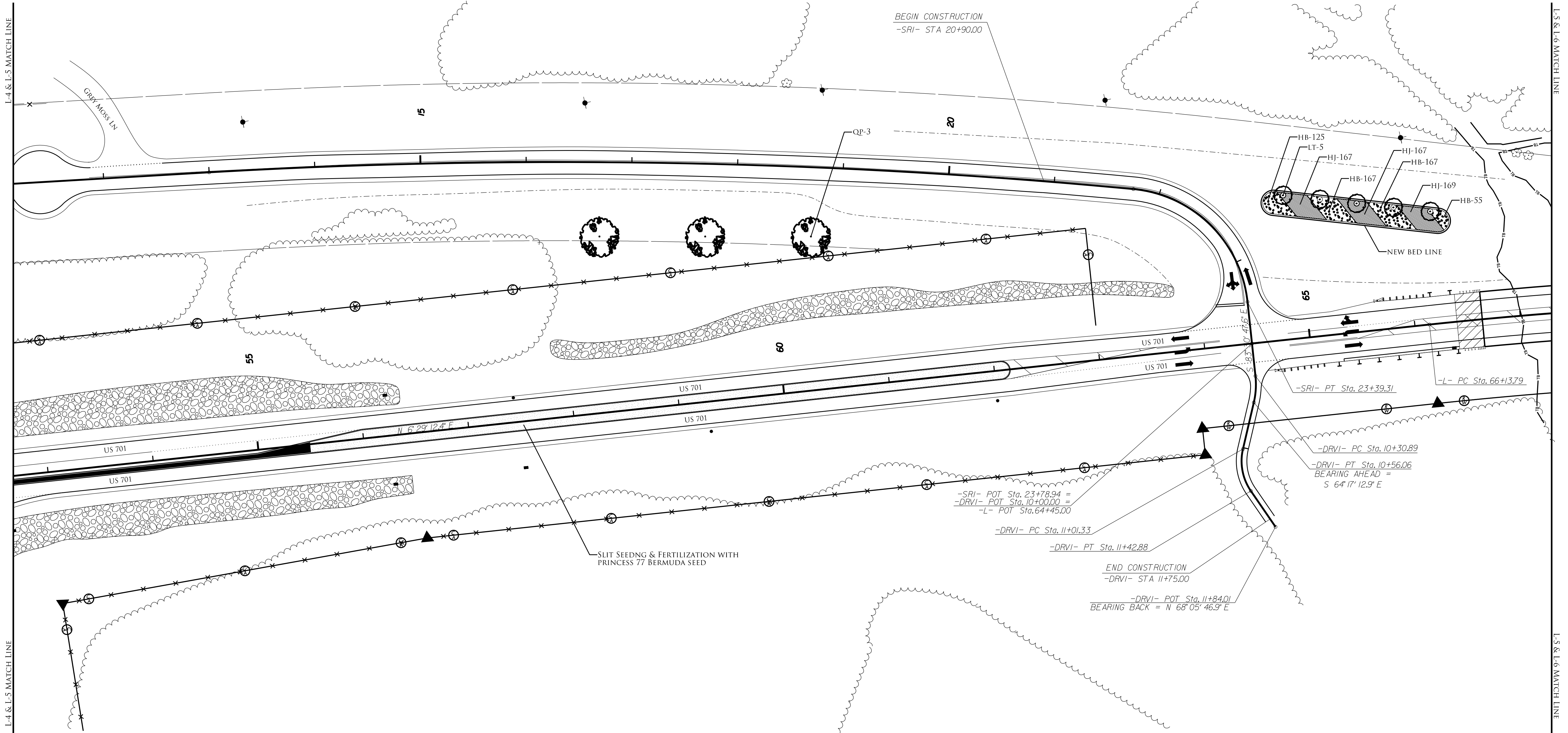
REV. DESIGNER
Kyle Corder

PREL. DESIGN DATE: APRIL 6, 2018
CHECKED BY & DATE: _____
FINAL DESIGN DATE: MARCH 7, 2019

PLANTING PLAN
LANDSCAPE PLAN SHEET



T.I.P. # R-4903
WBS # 40226.1.1
FED I.D. # _____
SHEET NO.: **L-4** / **L-6**
TOTAL SHEET NO.: _____

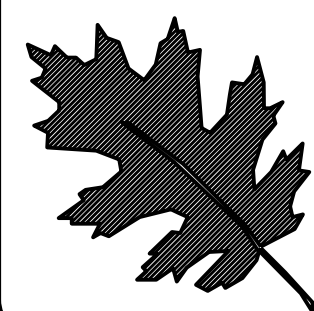


QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
514	HB	HEMEROCALLIS 'BUTTERED POPCORN'	BUTTERED POPCORN DAYLILY	2 O.C.
503	HJ	HEMEROCALLIS 'JOAN SENIOR'	JOAN SENIOR DAYLILY	2 O.C.
5	LT	LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	35' O.C.
3	QP	QUERCUS PHELLOS 'HIGHTOWER'	HIGHTOWER WILLOW OAK	100' O.C.

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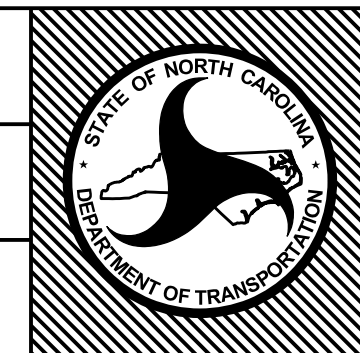
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NC 701 & NC 87 BYPASS IN ELIZABETHTOWN,
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REV. DESIGNER
Kyle Corder

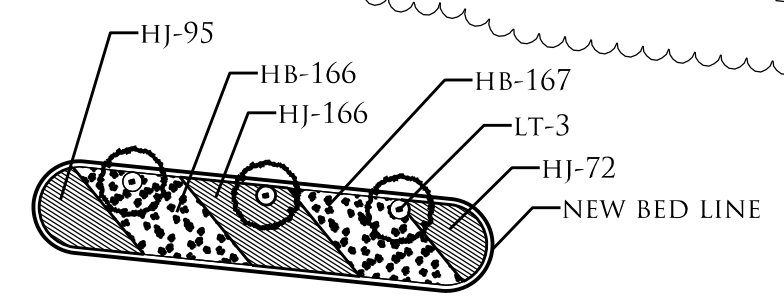
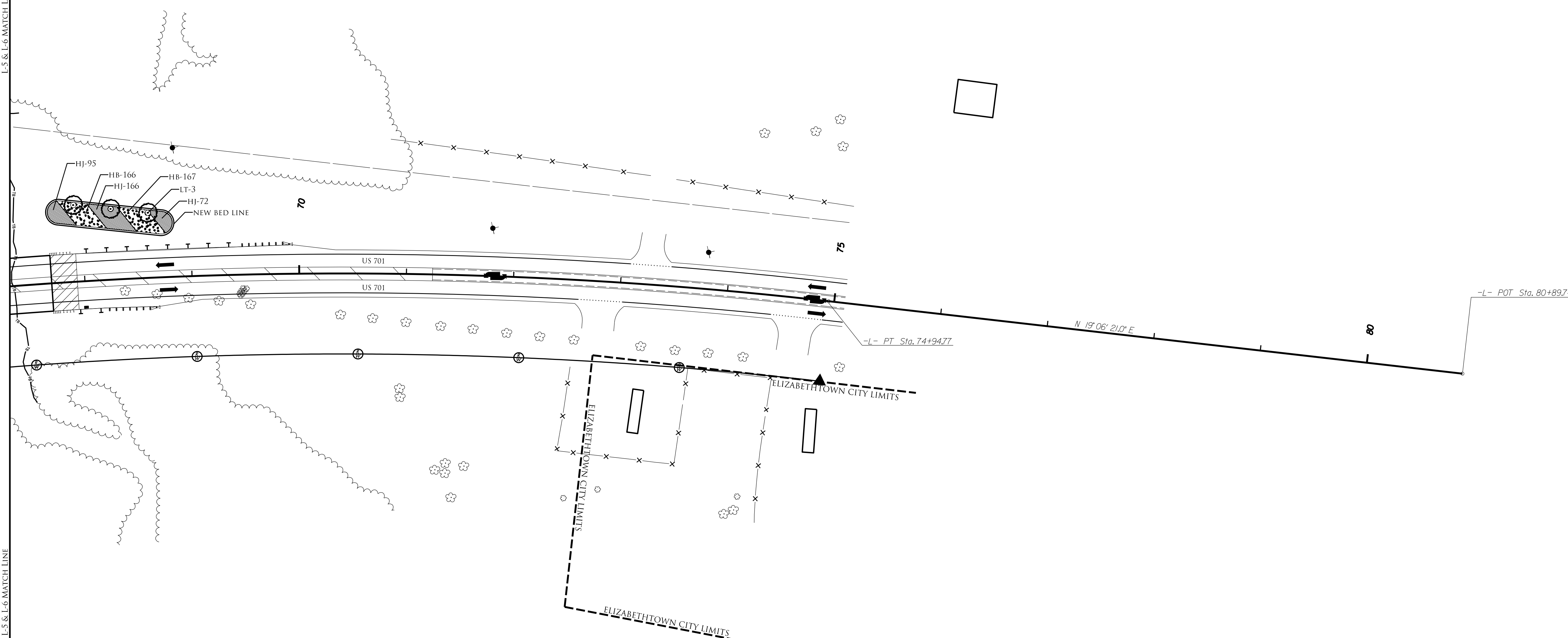
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PLANTING PLAN
LANDSCAPE PLAN SHEET

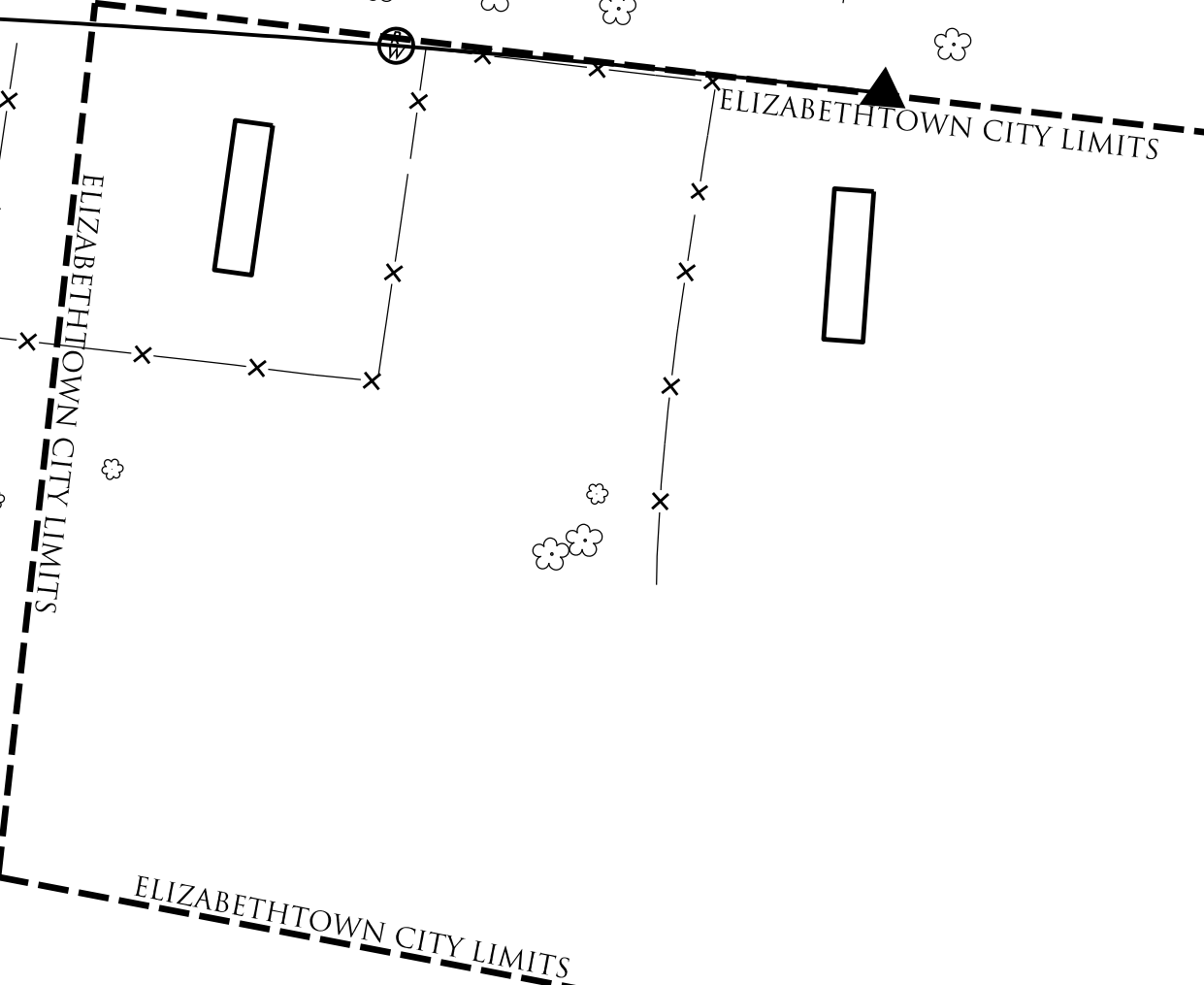


T.I.P. # R-4903
WBS # 40226.1.1
FED I.D. # _____
SHEET NO.: **L-5** TOTAL SHEET NO.: **L-6**

L-5 & L-6 MATCH LINE



-L- POT Sta. 80+89.74
 -L- PT Sta. 74+94.77
 N 19° 06' 21.0\"/>



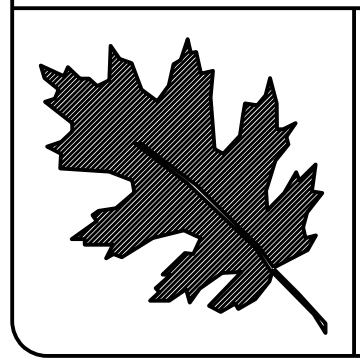
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QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
333	HB	HEMEROCALLIS 'BUTTERED POPCORN'	BUTTERED POPCORN DAYLILY	2' O.C.
333	HJ	HEMEROCALLIS 'JOAN SENIOR'	JOAN SENIOR DAYLILY	2' O.C.
3	LT	LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	35' O.C.



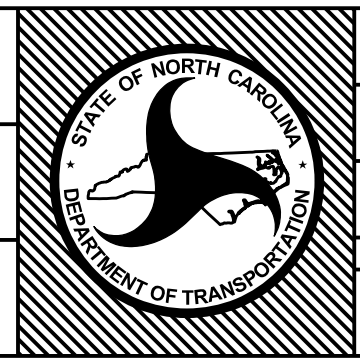
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NC 701 & NC 87 BYPASS IN ELIZABETHTOWN,
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 TIP #: R-4903

REV. DESIGNER
 Kyle Corder

SHEET DESCRIPTION:
 PREL. DESIGN DATE: APRIL 6, 2018
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PLANTING PLAN
 LANDSCAPE PLAN SHEET



T.I.P. # R-4903
 WBS # 40226.1.1
 FED I.D. #
 SHEET NO.: L-6
 TOTAL SHEET NO.: L-6