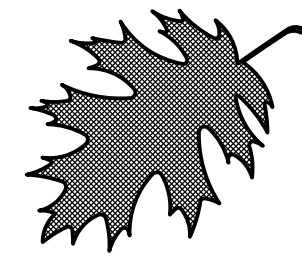
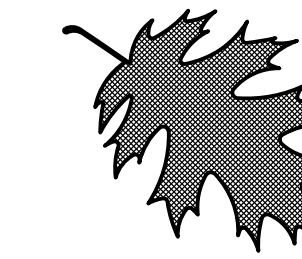


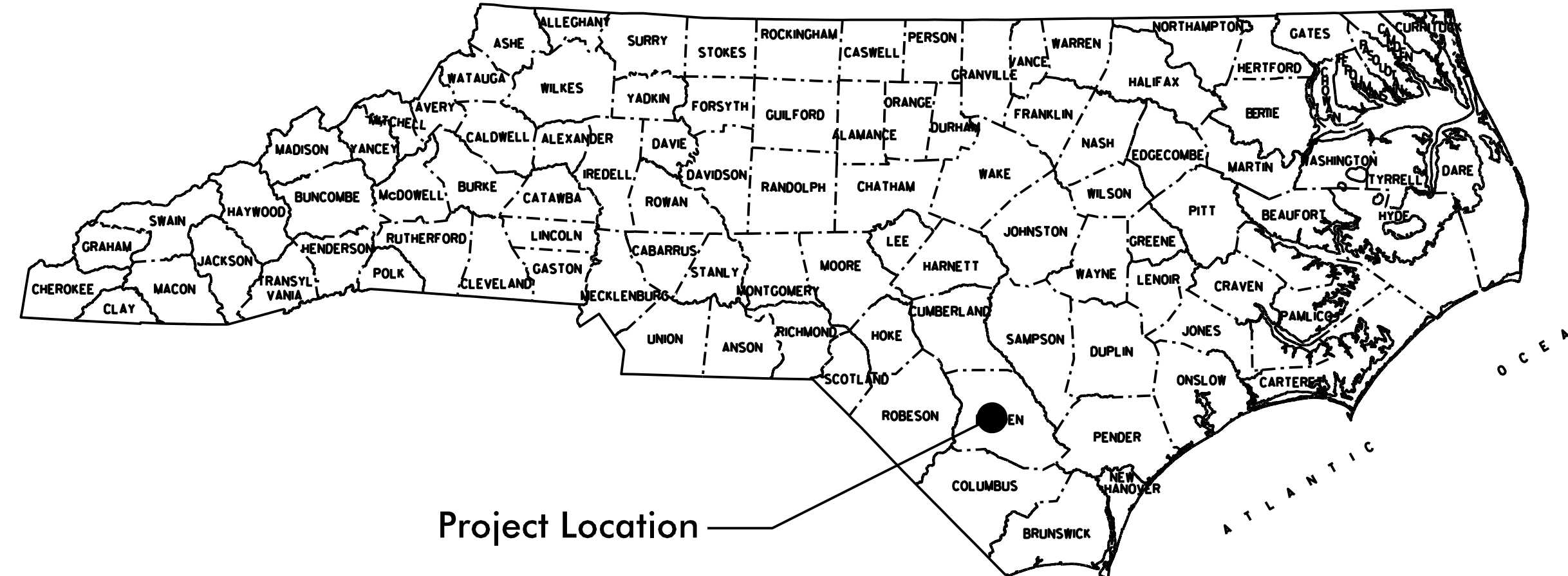
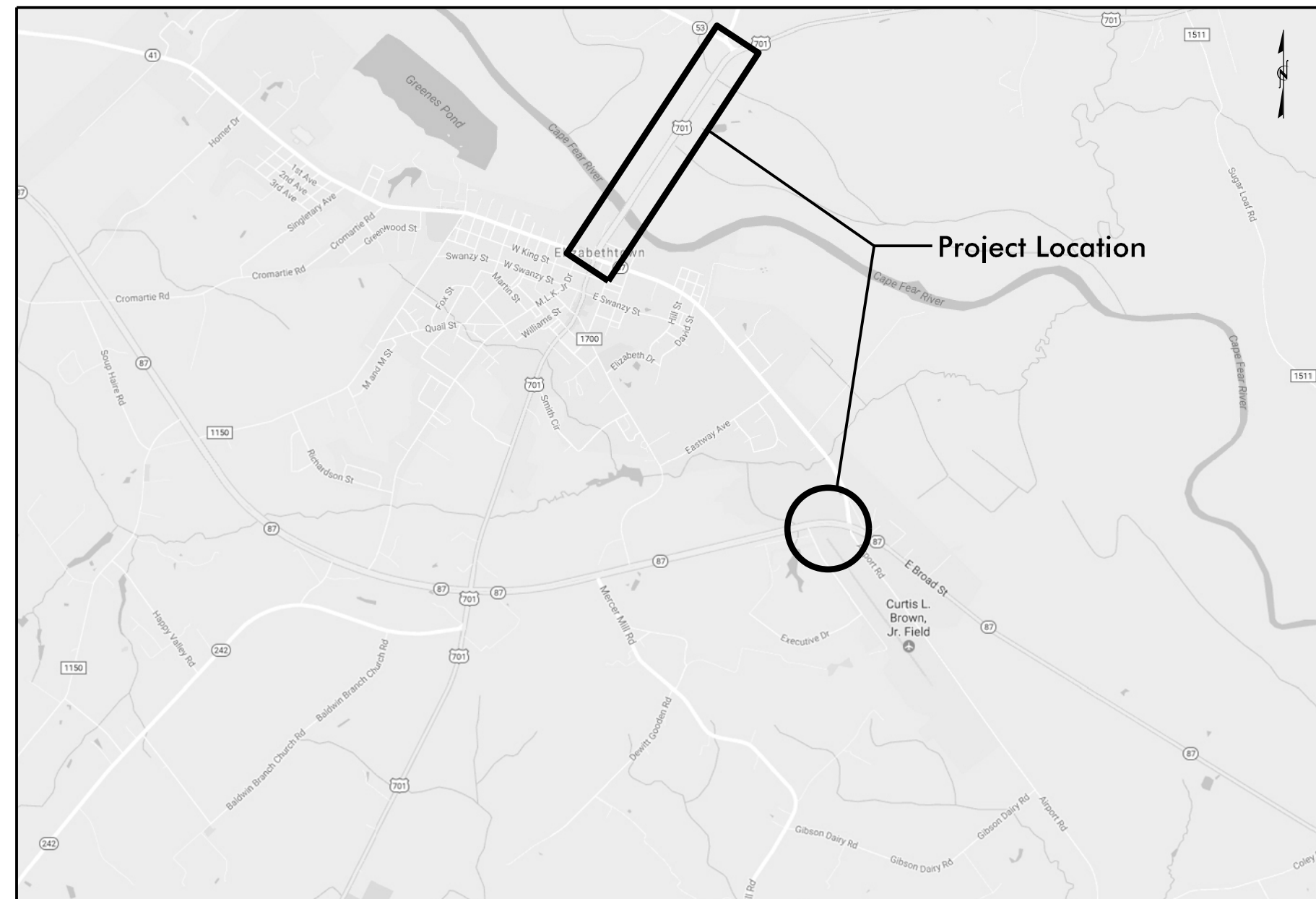
NC 87 Renovation Planting and US 701 Median in Elizabethtown



# HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
-----	<b>E-5600</b>	<b>L1</b>	<b>7</b>
FED. PROJ. #	DESCRIPTION		DIVISION
-	Enhancement		6



**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.....	-----

**Summary of Quantities  
1 Year Establishment**

DES	SEC	QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	SIZE	CALIPER	FURNISH	A.S.N.S.	REMARKS
<b>Shrubs</b>											
L	1670	203	ea	JG	<i>Juniperus virginiana 'Grey Owl'</i>	Grey Owl Juniper	12-18"		#3 Cont.	4.5	7' O.C.
<b>Grasses/Perennials/Bulbs</b>											
L	1670	170	ea	MC	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass	18-24"		#3 Cont.	13.4	3.5' O.C.
<b>Other</b>											
L	1670	42	sqyd		Existing Plant Bed Removal						
L	1670	896	cuyd		Mulch						
L	1670	7	m/g		Water for Planting						Depth of 4"
L	1670	1744	sqyd		Pre emergence Herbicidal Treatment						
L	1670	8156	sqyd		Post emergence Herbicidal Treatment						
L	1670	12	ea		Monthly Maintenance						

\*Pre-emergent is to be applied only in new plant areas, and post-emergent is to be applied in all areas receiving mulch.

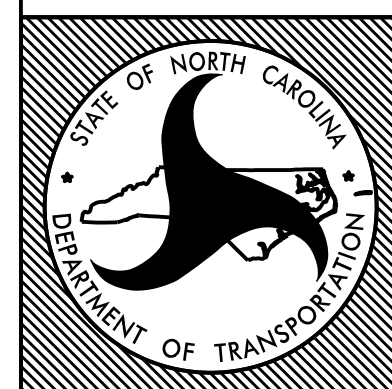
**INDEX OF L SHEETS:**

- L 1.0 - Title Sheet
- L 2.0 - Planting Details
- L 3.0 - NC 87 Renovation Planting
- L 4.0 - US 701 Median Replacements
- L 5.0 - US 701 Median Replacements
- L 6.0 - US 701 Median Replacements
- L 7.0 - US 701 Median Replacements

PREPARED BY: **KC** DATE: **03/2017**

**REVISIONS**

DATE	DESCRIPTION



**STATE OF  
NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

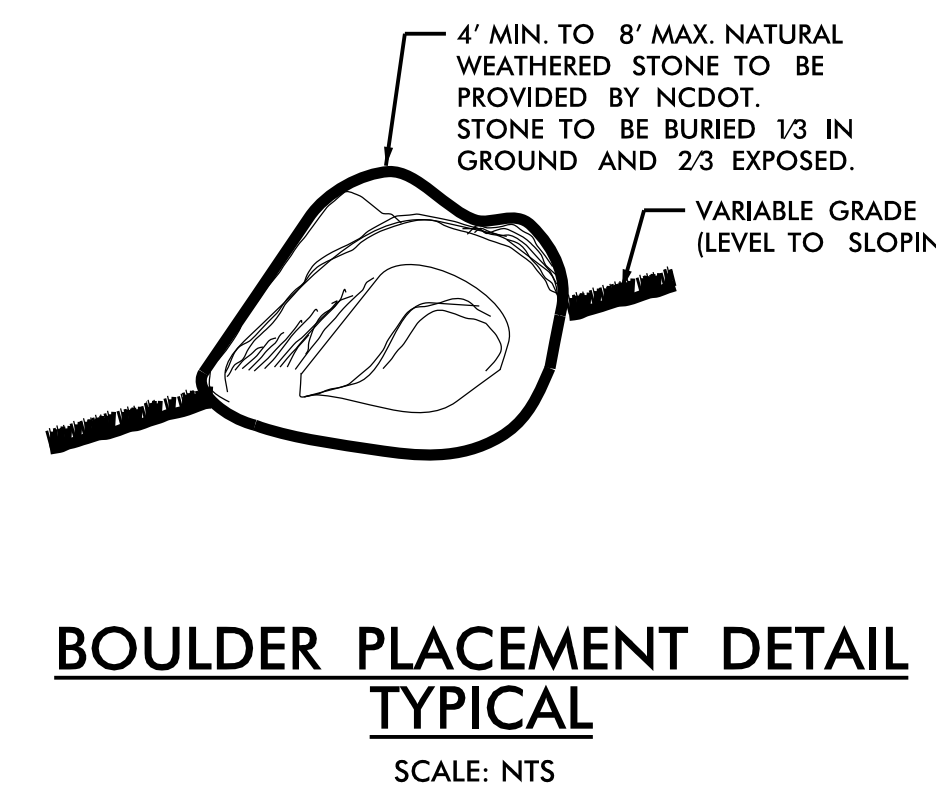
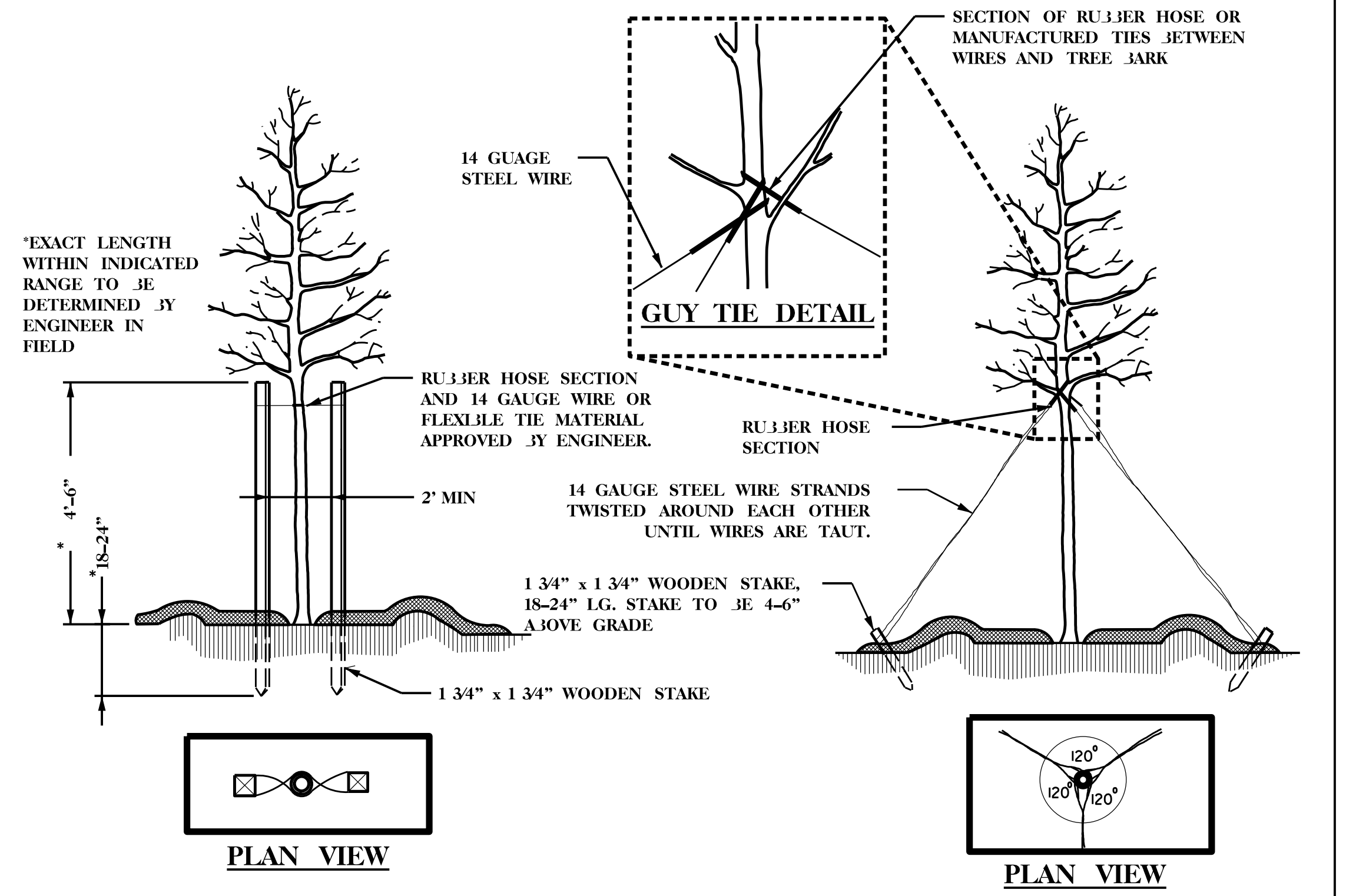
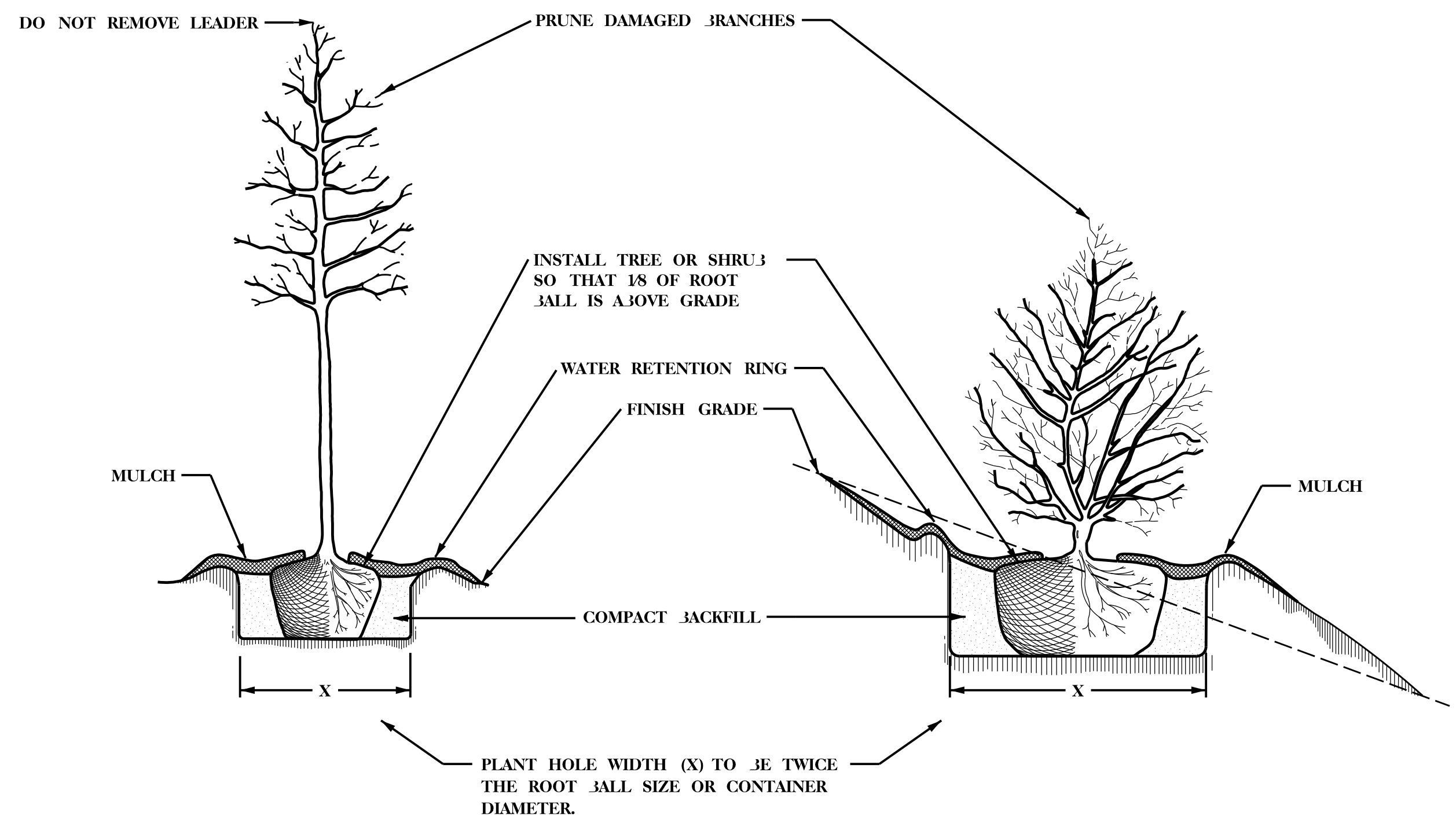
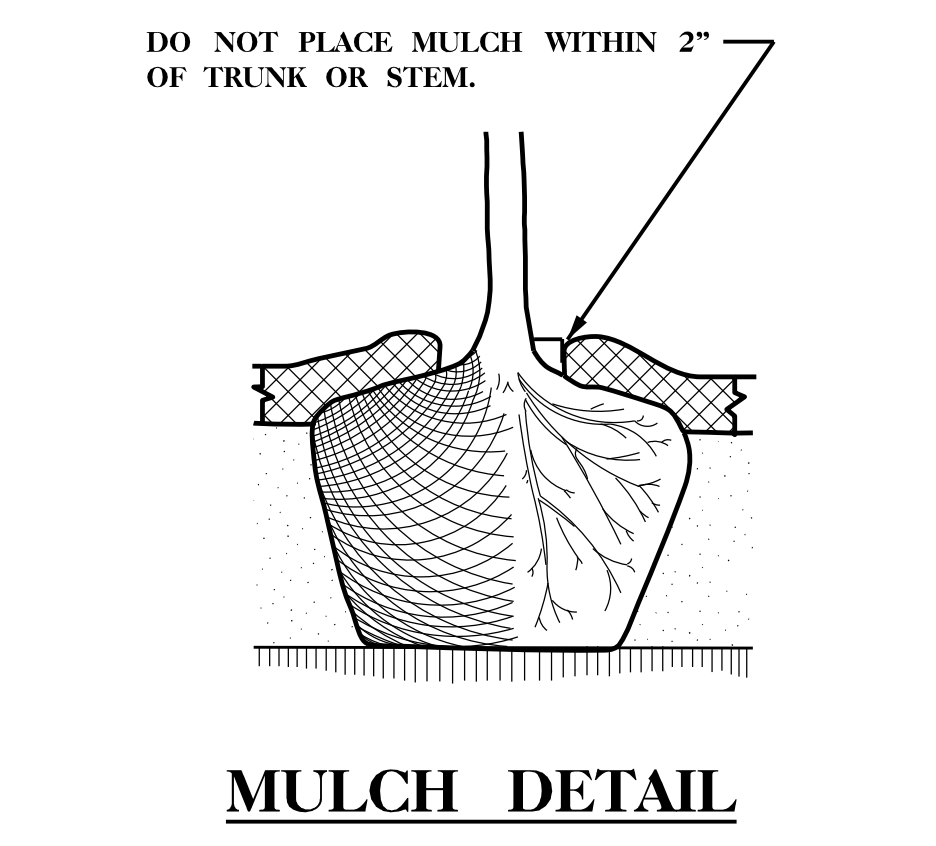
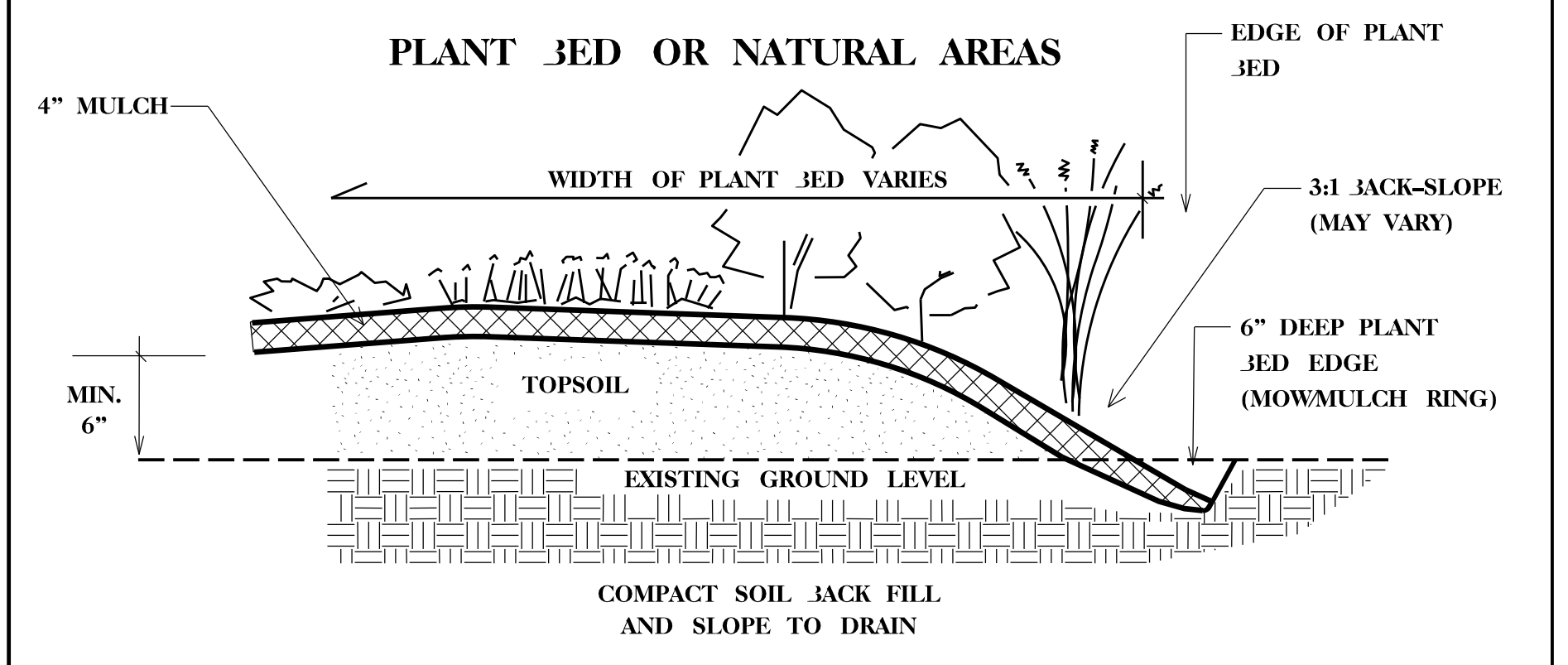
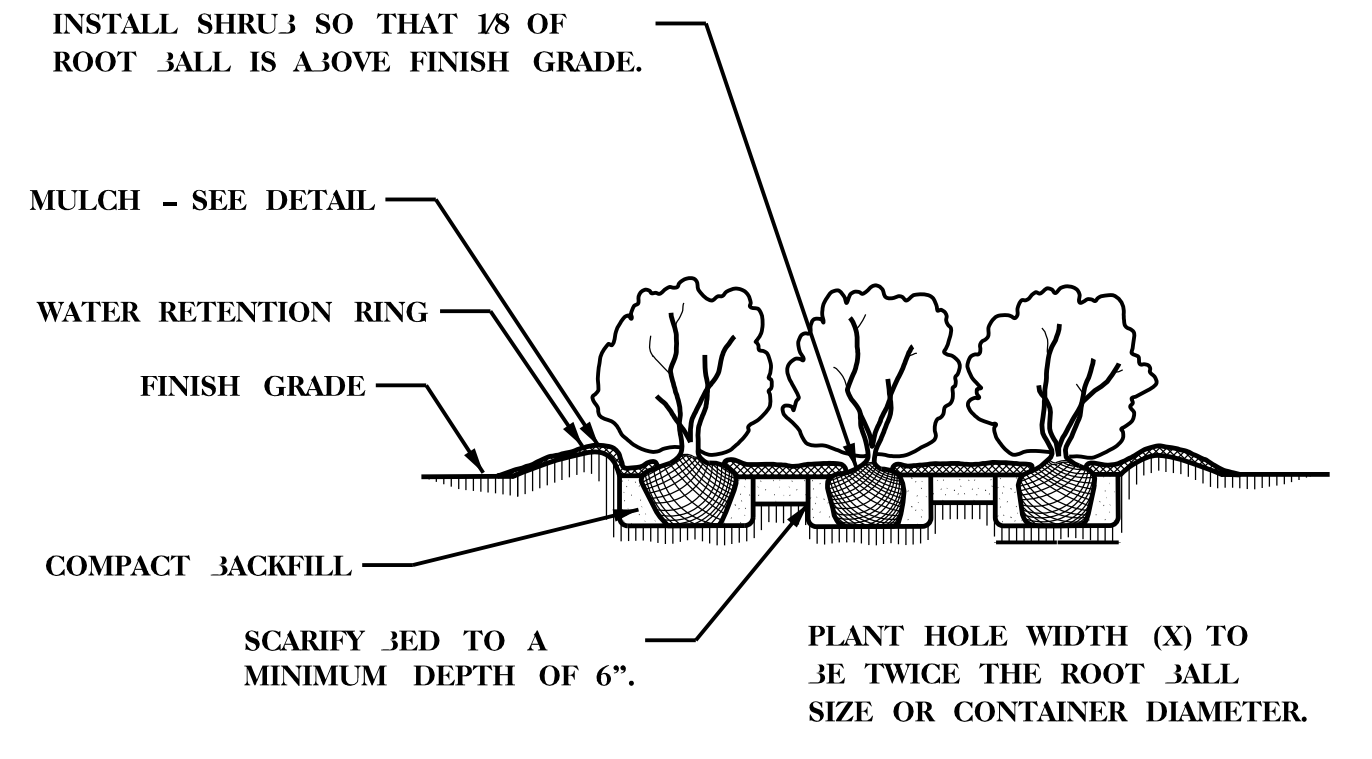
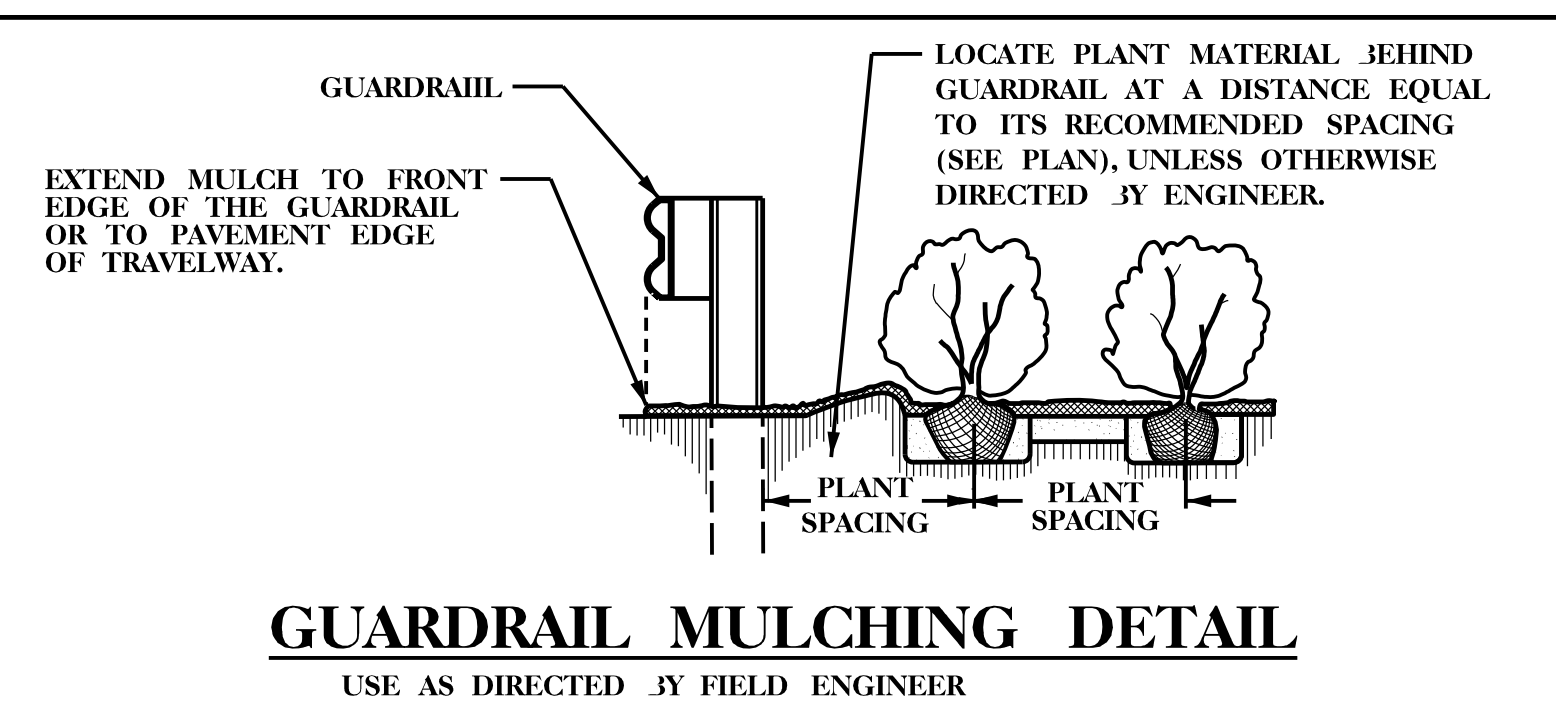
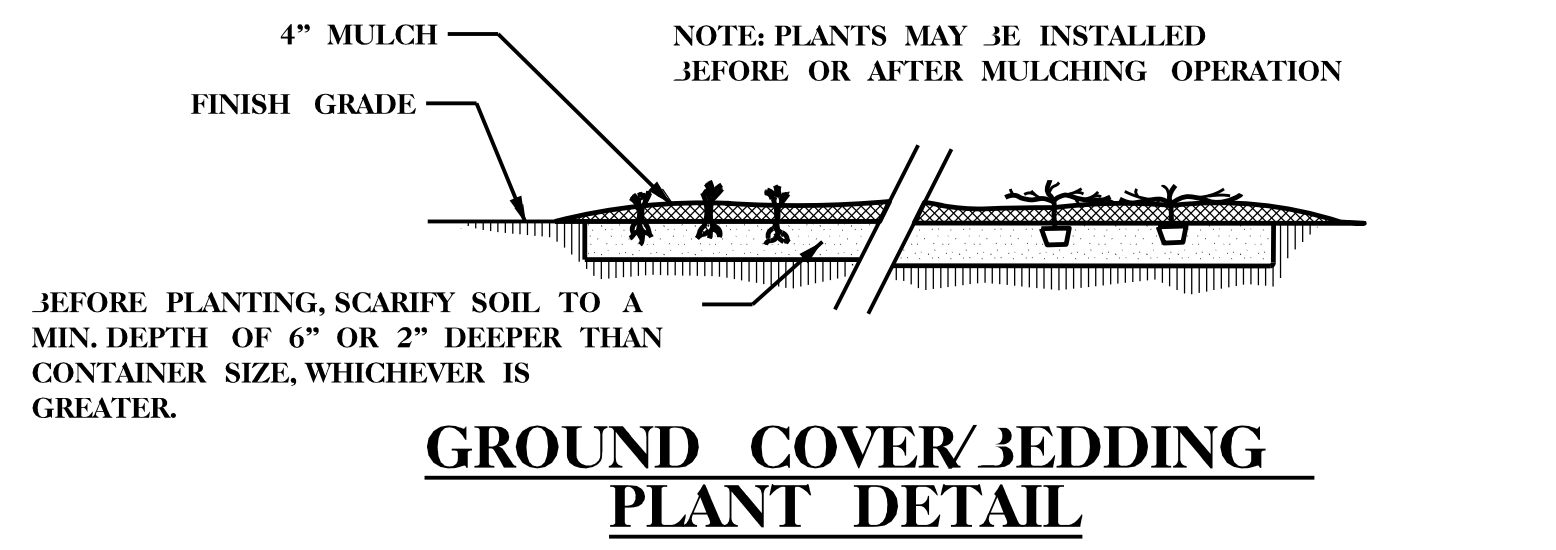
LOCATION: NC 87 Renovation & US 701 Median in Elizabethtown

TYPE of WORK: Enhancement

COUNTY: **Bladen County**

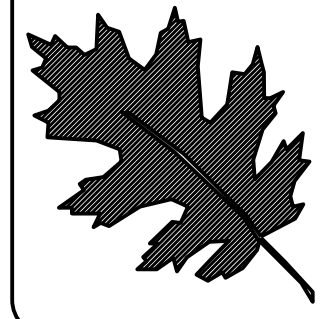
2014 American Standard for Nursery Stock  
2012 NCDOT STANDARD SPECIFICATIONS  
PREPARED IN THE OFFICE OF:  
NCDOT- ROADSIDE ENVIRONMENTAL UNIT  
LANDSCAPE DESIGN & DEVELOPMENT SECTION  
1557 MAIL SERVICE CENTER  
RALEIGH NC 27699 919-707-2920

- 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 BASK 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.



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

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



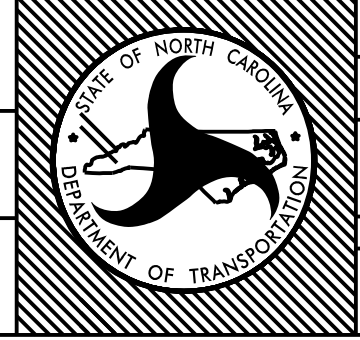
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 LANDSCAPE DESIGN & DEVELOPMENT  
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[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\\_CHIEF\\_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

NC 87 & US 701 IN ELIZABETHTOWN  
 BLADEN COUNTY  
 WBS #: ER-5600F

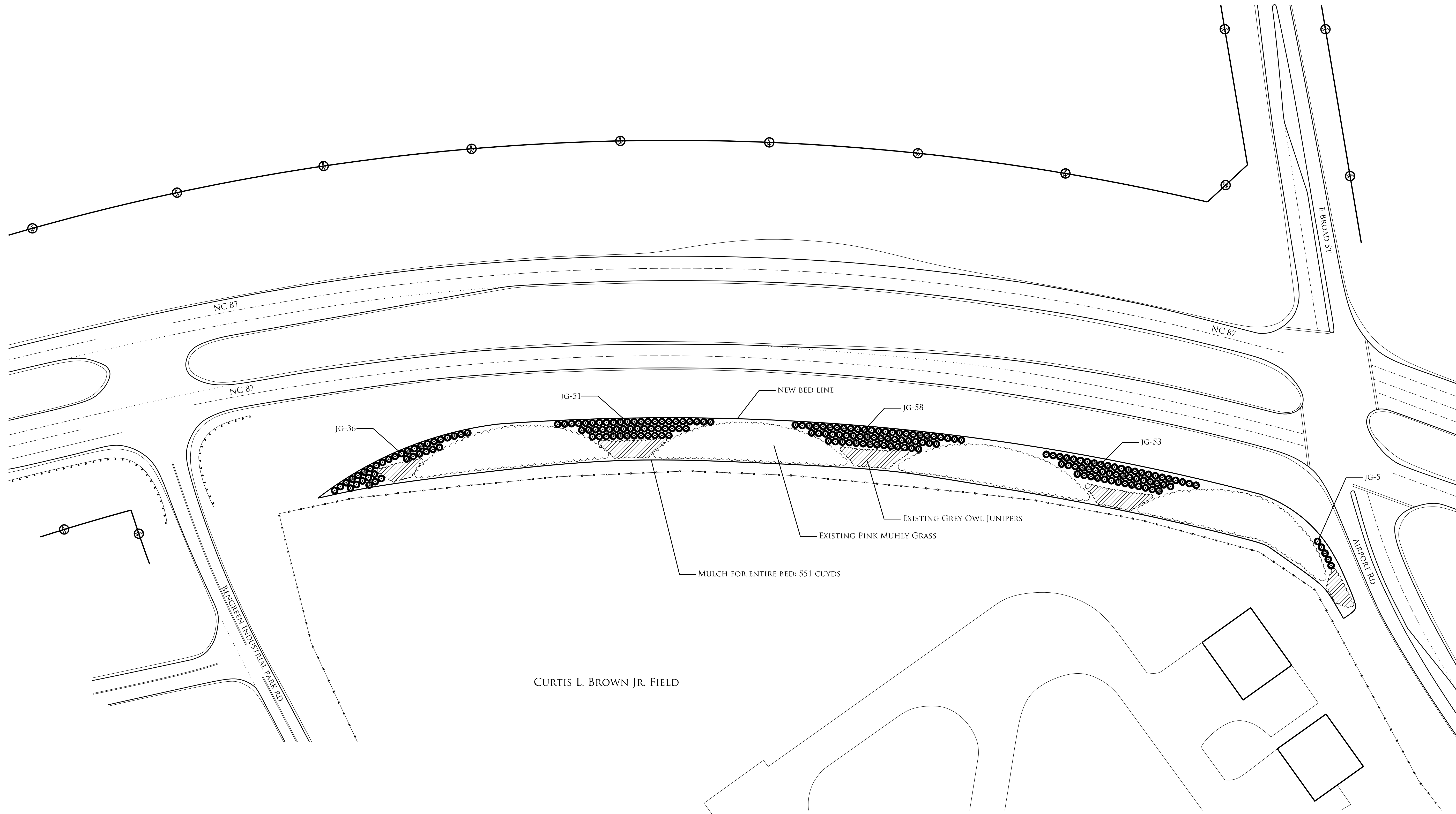
REV. DESIGNER  
*Kyle Cooney*

SHEET DESCRIPTION:  
 PREL. DESIGN DATE: MARCH 2, 2017  
 CHECKED BY & DATE:  
 FINAL DESIGN DATE:

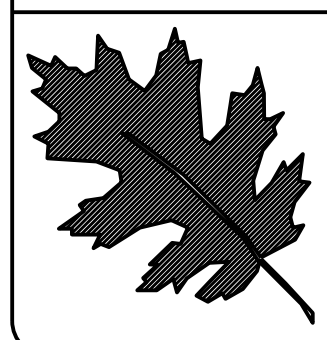
PLANTING DETAILS



T.I.P. # -----  
 WBS # ER-5600F  
 FED I.D. #  
 SHEET NO.: TOTAL SHEET NO.:  
**L-2 7**



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
179	JG	<i>JUNIPERUS VIRGINIANA</i> 'GREY OWL'	GREY OWL JUNIPER	7' O.C.



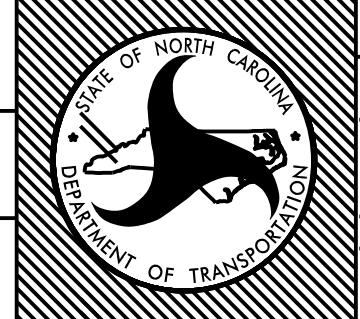
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NC 87 IN ELIZABETHTOWN  
 BLADEN COUNTY  
 WBS #: ER-5600F

REV. DESIGNER  
*Kyle Cooper*

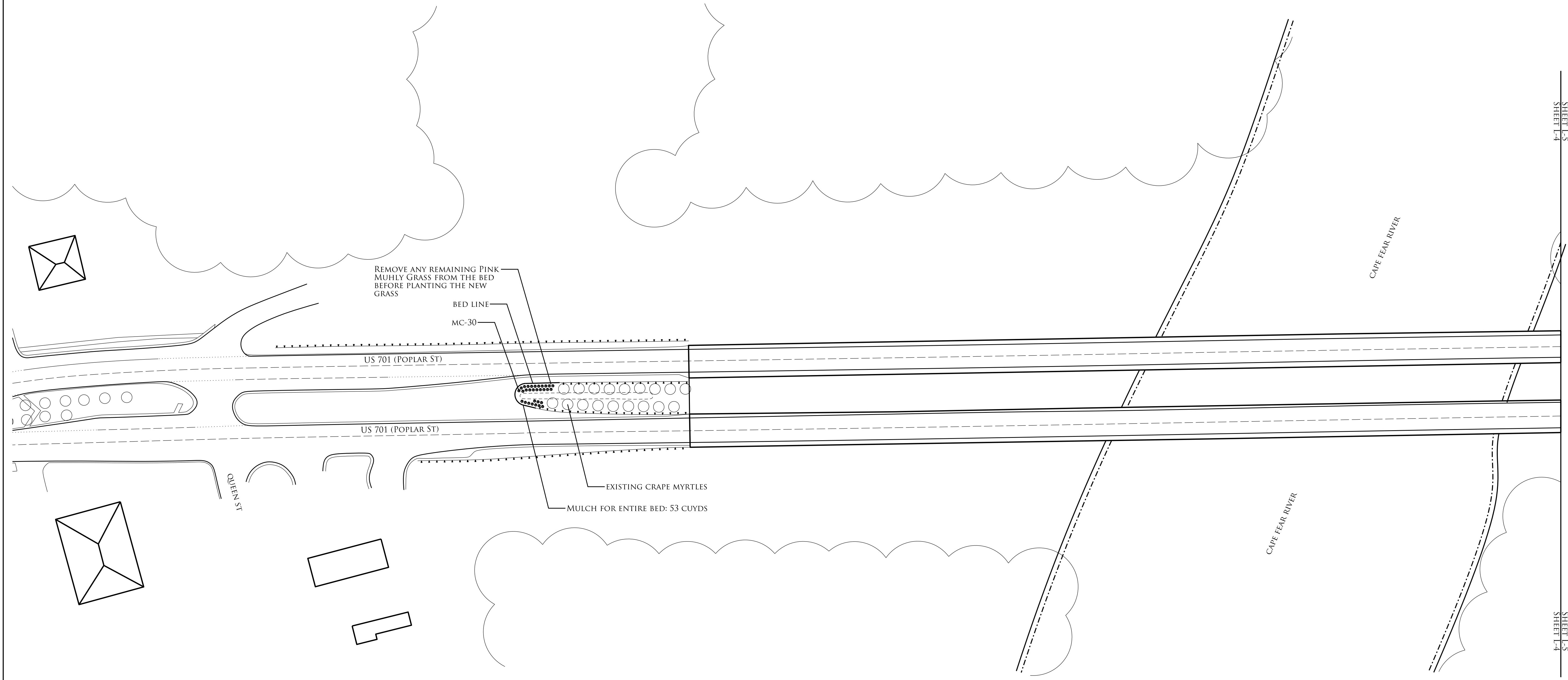
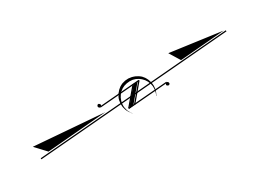
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 CHECKED BY & DATE:  
 FINAL DESIGN DATE:

RENOVATION PLANTING  
 LANDSCAPE PLAN SHEET



T.I.P. # -----  
 WBS # ER-5600F  
 FED I.D. # -----  
 SHEET NO.: **L-3** TOTAL SHEET NO.: **7**





SHEET L-5  
SHEET L-4

SHEET L-5  
SHEET L-4

QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
30	MC	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3.5' O.C.



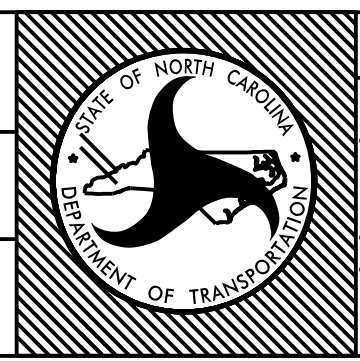
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US 701 IN ELIZABETHTOWN  
 BLADEN COUNTY  
 WBS #: ER-5600F

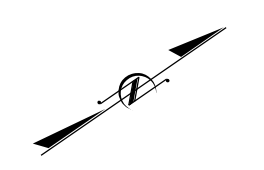
REG. DESIGNER  
*Kyle Cooper*

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REPLACEMENT PLANTINGS  
 LANDSCAPE PLAN SHEET

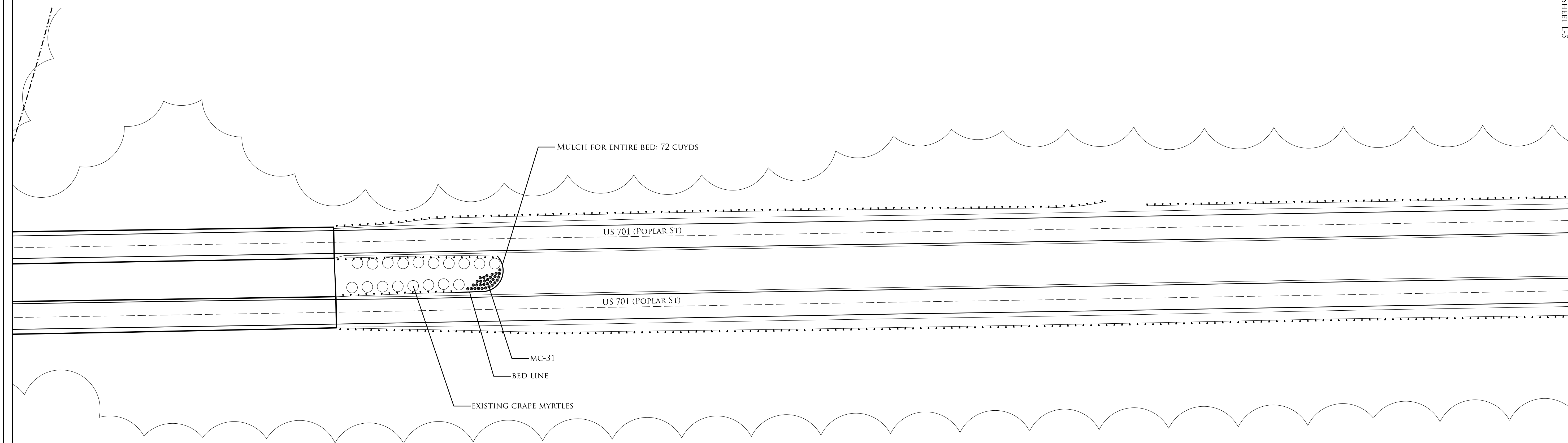


T.I.P. # -----  
 WBS # ER-5600F  
 FED I.D. #  
 SHEET NO.: **L-4** TOTAL SHEET NO.: **7**



SHEET L-4  
SHEET L-5

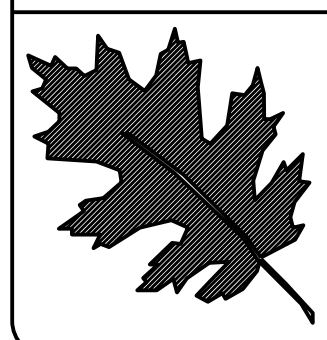
SHEET L-6  
SHEET L-5



SHEET L-4  
SHEET L-5

SHEET L-6  
SHEET L-5

QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
31	MC	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3.5' O.C.



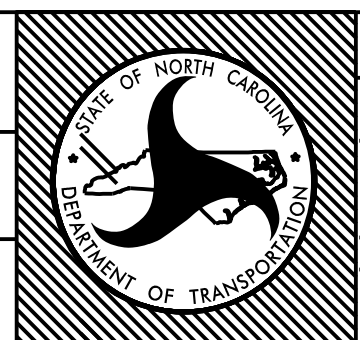
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US 701 IN ELIZABETHTOWN  
 BLADEN COUNTY  
 WBS #: ER-5600F

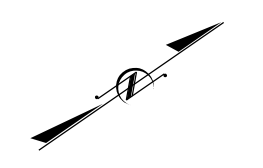
REV. DESIGNER  
*Kyle Cooper*

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 CHECKED BY & DATE:  
 FINAL DESIGN DATE:

REPLACEMENT PLANTINGS  
 LANDSCAPE PLAN SHEET

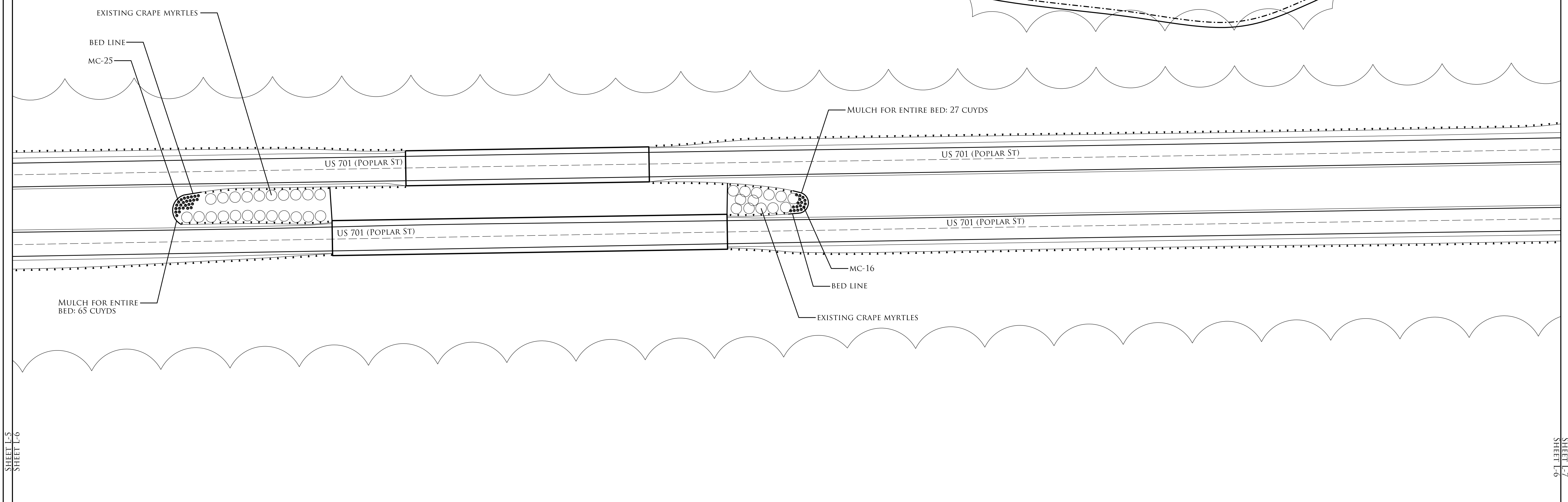


T.I.P. # -----  
 WBS # ER-5600F  
 FED I.D. #  
 SHEET NO.: **L-5** TOTAL SHEET NO.: **7**



SHEET L-5  
SHEET L-6

SHEET L-7  
SHEET L-6



SHEET L-5  
SHEET L-6

SHEET L-7  
SHEET L-6

QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
41	MC	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3.5' O.C.



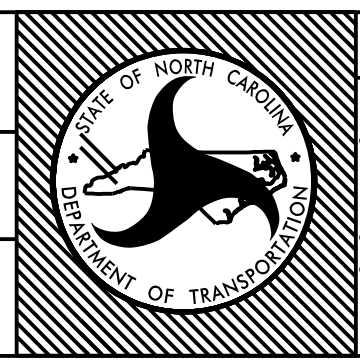
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US 701 IN ELIZABETHTOWN  
 BLADEN COUNTY  
 WBS #: ER-5600F

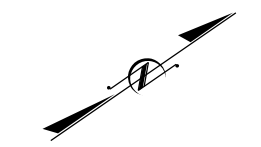
REG. DESIGNER  
*Kyle Cooney*

PREL. DESIGN DATE :	MARCH 2, 2017
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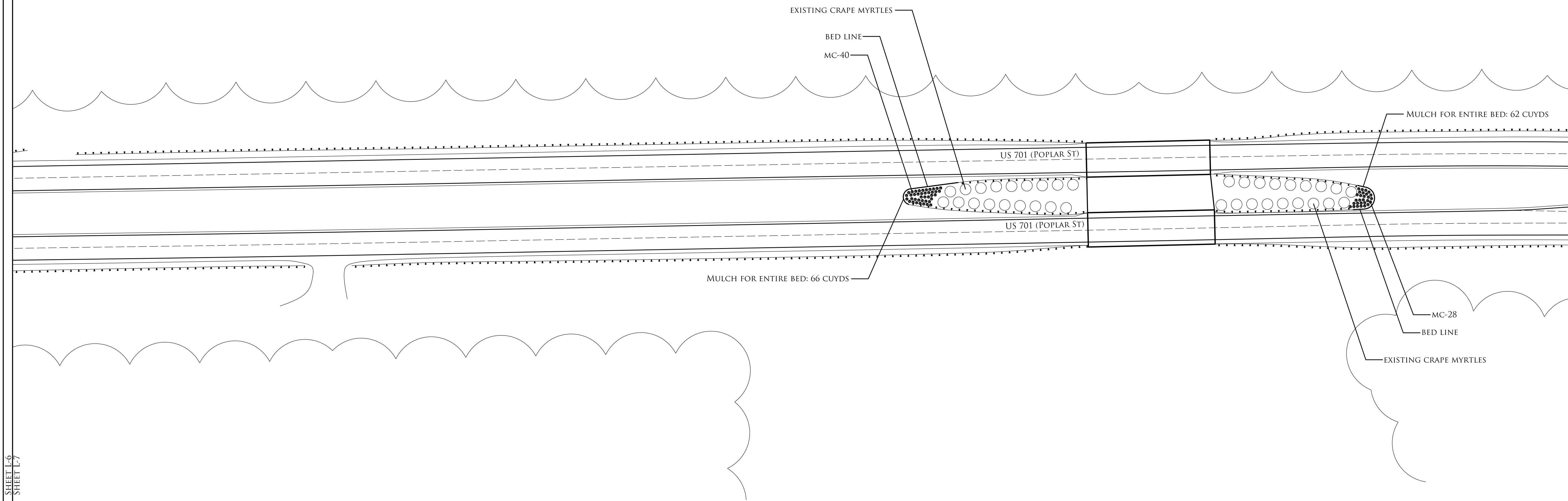
REPLACEMENT PLANTINGS  
 LANDSCAPE PLAN SHEET



T.I.P. #	-----
WBS #	ER-5600F
FED I.D. #	
SHEET NO. :	TOTAL SHEET NO. :
<b>L-6</b>	<b>7</b>

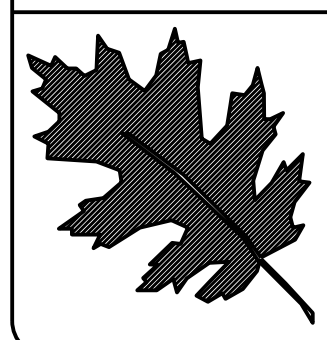


SHEET L-6  
SHEET L-7



SHEET L-6  
SHEET L-7

QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
68	MC	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3.5' O.C.



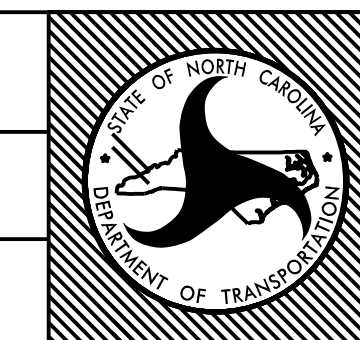
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US 701 IN ELIZABETHTOWN  
 BLADEN COUNTY  
 WBS #: ER-5600F

REG. DESIGNER  
*Kyle Cooper*

PREL. DESIGN DATE :	MARCH 2, 2017
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FINAL DESIGN DATE :	

REPLACEMENT PLANTINGS  
 LANDSCAPE PLAN SHEET



T.I.P. #	-----
WBS #	ER-5600F
FED I.D. #	
SHEET NO. :	L-7
TOTAL SHEET NO. :	7