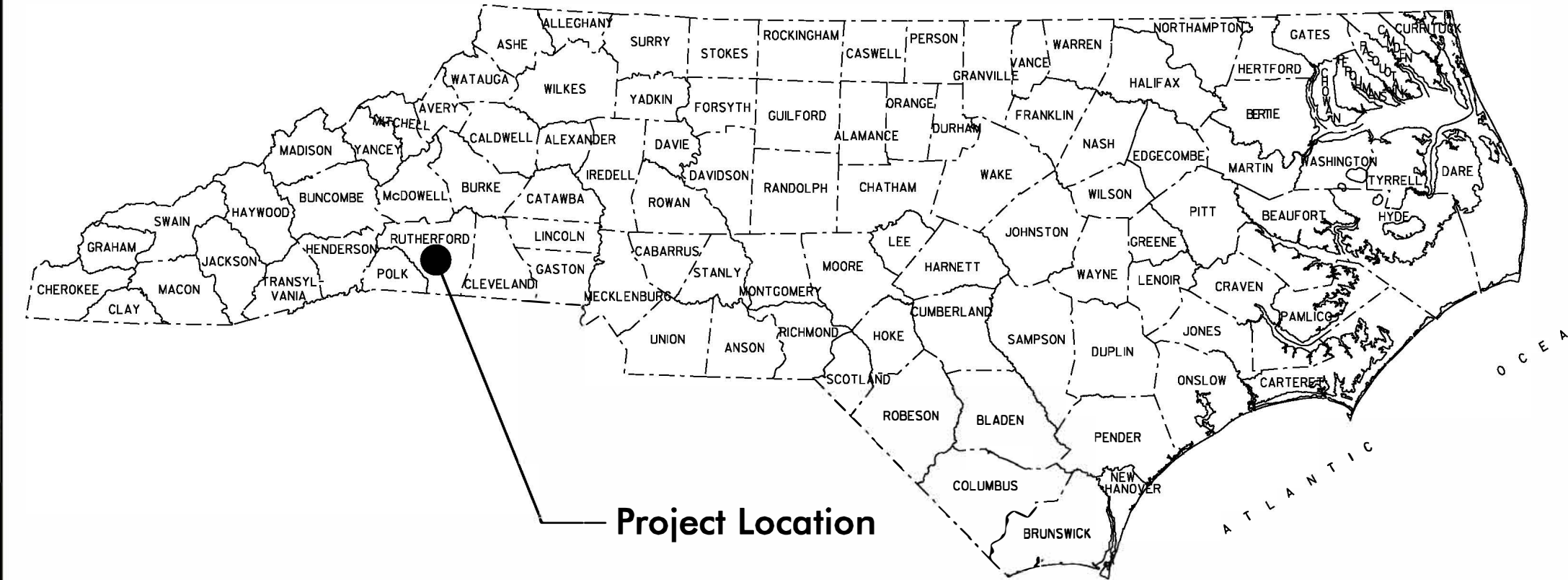
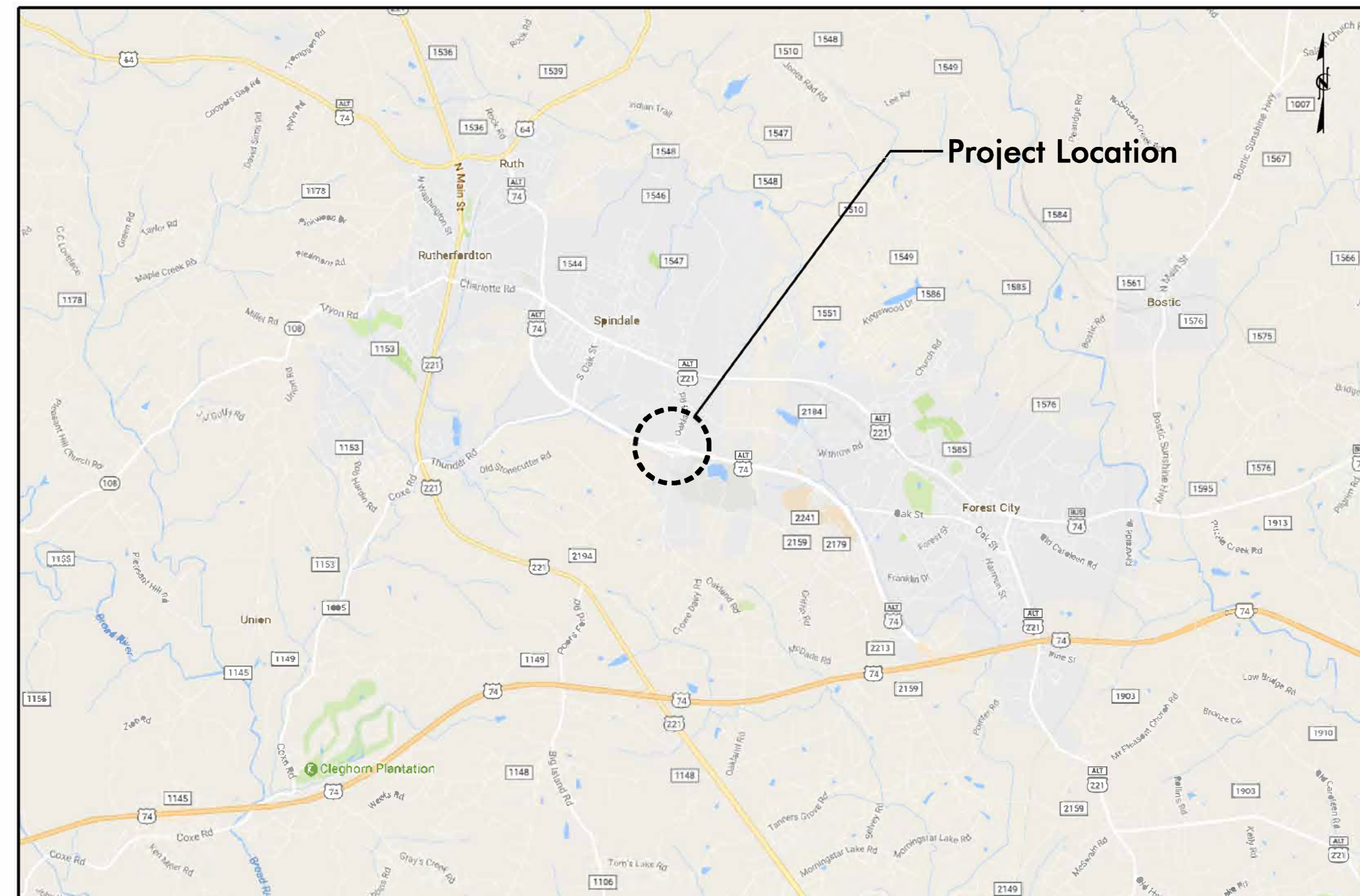


HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
ER-5600MB	46305.3.42	L1	9
FED. PROJ. #	DESCRIPTION	DIVISION	
STBG-074A(008)	Enhancement	13	

US 74A & OAKLAND RD IN SPINDALE



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	11	ea	LS	<i>Lagerstroemia x 'Sioux'</i>	Sioux Crape Myrtle	7-8'		B&B	2.5.4	40' O.C.
L	1670	13	ea	LT	<i>Lagerstroemia indica x fauriei 'Tuscarora'</i>	Tuscarora Crape Myrtle	7-8'		B&B	2.5.4	40' O.C.
L	1670	22	ea	TE	<i>Thuja occidentalis 'Smaragd'</i>	Emerald Green Arborvitae	6-7'		B&B	4.7	As Shown
Shrubs											
L	1670	143	ea	EO	<i>Euonymus alatus 'Odor'</i>	Little Moses® Burning Bush	15-18"		#3 Cont.	3.3	3' O.C.
L	1670	117	ea	LP	<i>Lagerstroemia indica 'Pocomoke'</i>	Pocomoke Crape Myrtle	18-24"		#3 Cont.	3.3	4' O.C.
Grasses/Groundcovers/Perennials											
L	1670	352	ea	PN	<i>Panicum virgatum 'Northwind'</i>	Northwind Switch Grass	18-24"		#3 Cont.	13.4	3' O.C.
Other											
L	1610	20	ton		Stone for Erosion Control, Class A						
L	1610	11	ton		Sediment Control Stone						
L	SP	51	ea		Metal Plant Bed Edging, 8"						
L	1670	0.1	acre		Selective Vegetation Removal						
L	1670	1	ea		Selective Tree Removal, 15"						
L	1670	2	ea		Selective Tree Pruning/ Thinning						
L	1670	0.25	acre		Seeding & Mulching						
L	1670	4	cuyd		Topsoil						
L	1670	200	cuyd		Mulch						Depth of 4"
L	1670	14	no/g		Water for Planting						
L	1670	1035	sqyd		Pre emergence Herbicidal Treatment						
L	1670	1035	sqyd		Post emergence Herbicidal Treatment						
L	1670	12	ea		Monthly Maintenance						

INDEX OF L SHEETS:

- L 1.0 - Title Sheet
- L 2.0 - Planting Details
- L 3.0 - Existing Conditions Aerial Plan
- L 4.0 - Demolition Plan
- L 5.0 - Planting Plan Quadrant Key
- L 6.0 - Planting Plan Quadrant A
- L 7.0 - Planting Plan Quadrant B
- L 8.0 - Planting Plan Quadrant C
- L 9.0 - Planting Plan Quadrant D

PREPARED BY: KC DATE: 05/2017

REVISIONS

DATE	DESCRIPTION
12/14/17	Added Rip Rap & Selective Veg. Removal
12/15/17	Removed Rip Rap
12/15/17	Added Sediment Traps and Bed Edging



STATE OF
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

LOCATION: Interchange of US 74A and Oakland Rd in Spindale

TYPE of WORK: Enhancement

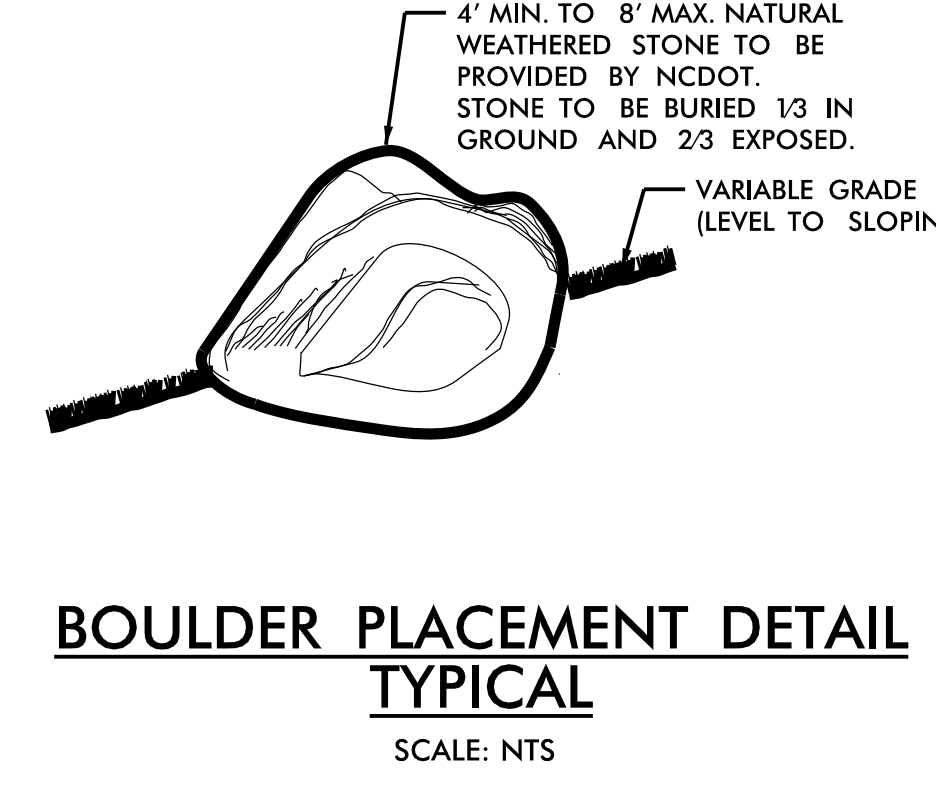
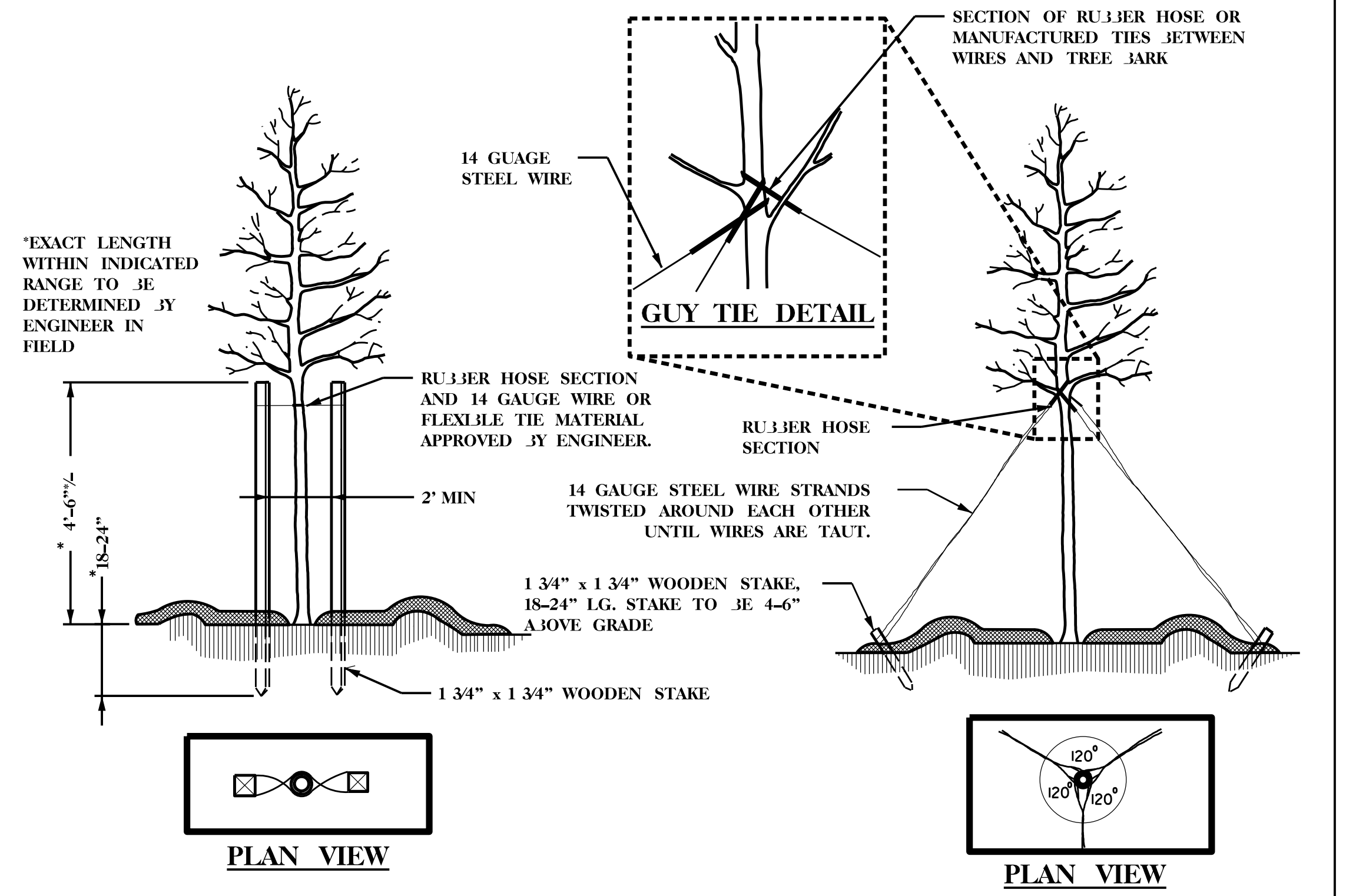
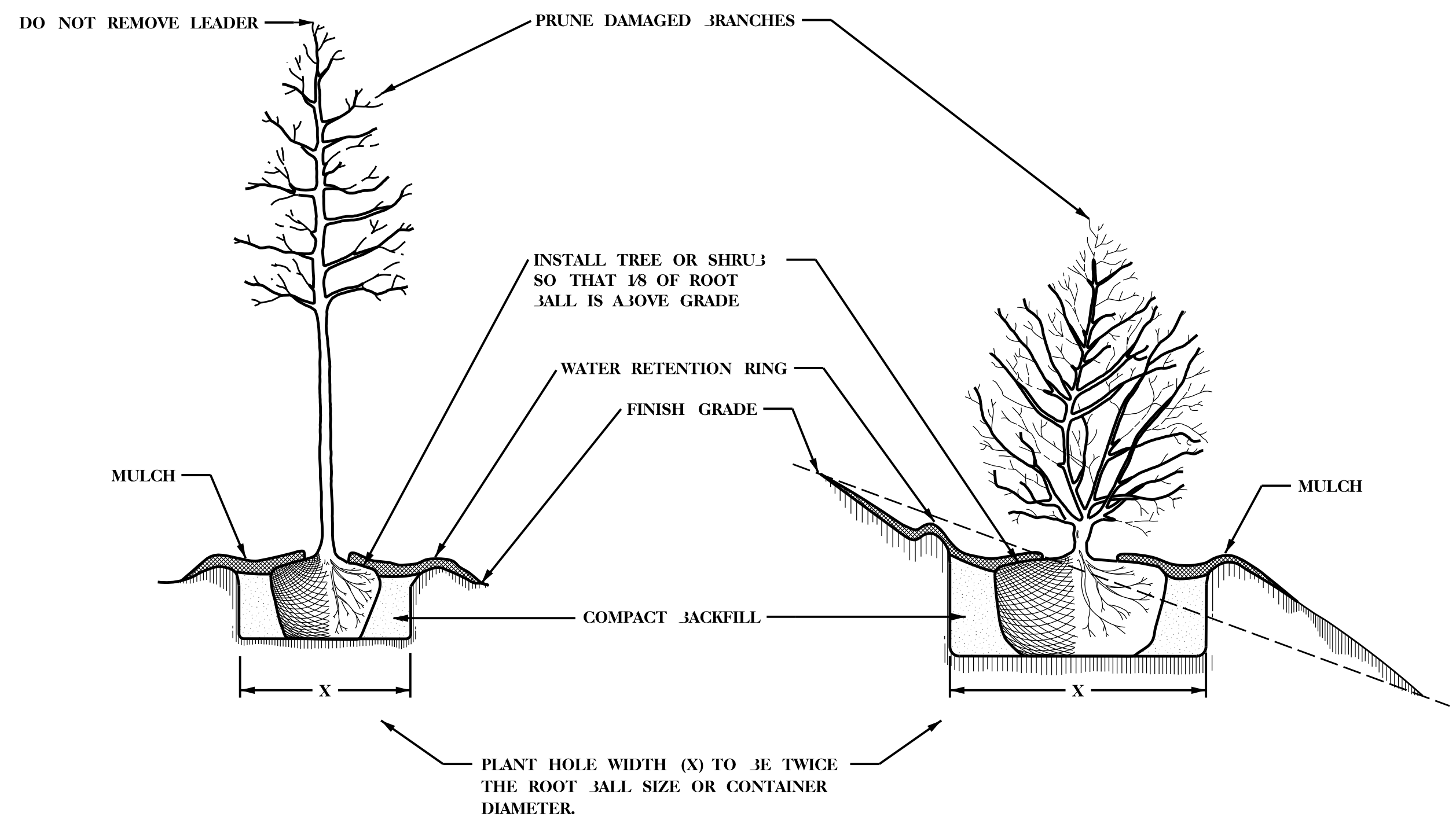
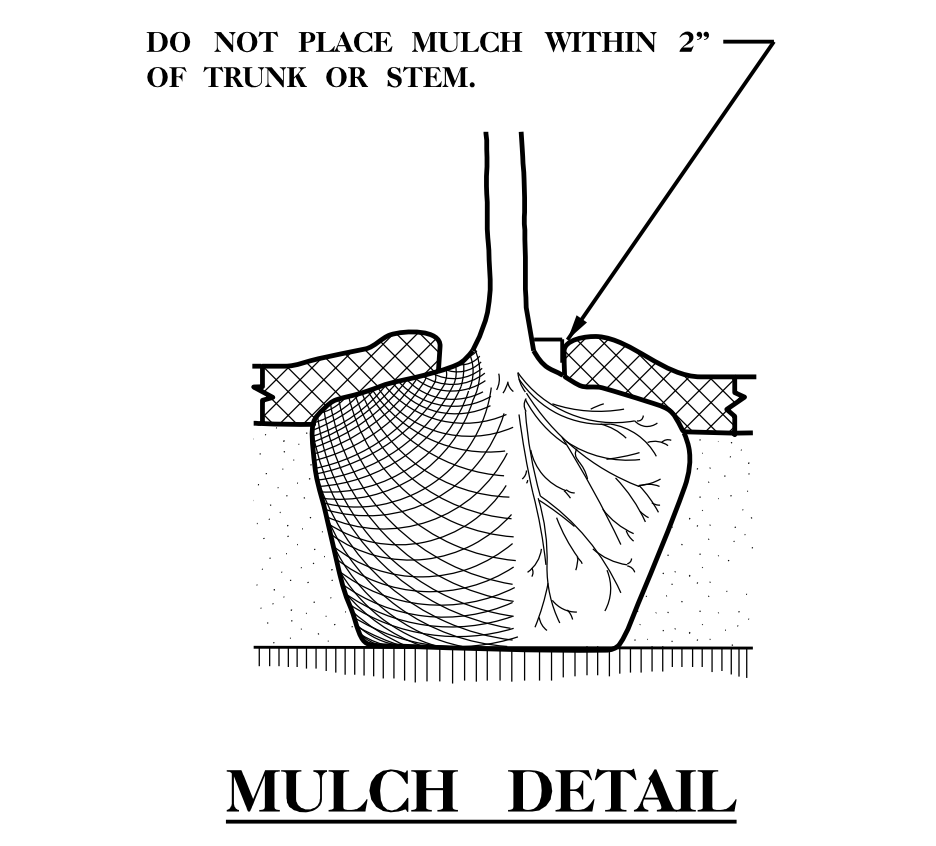
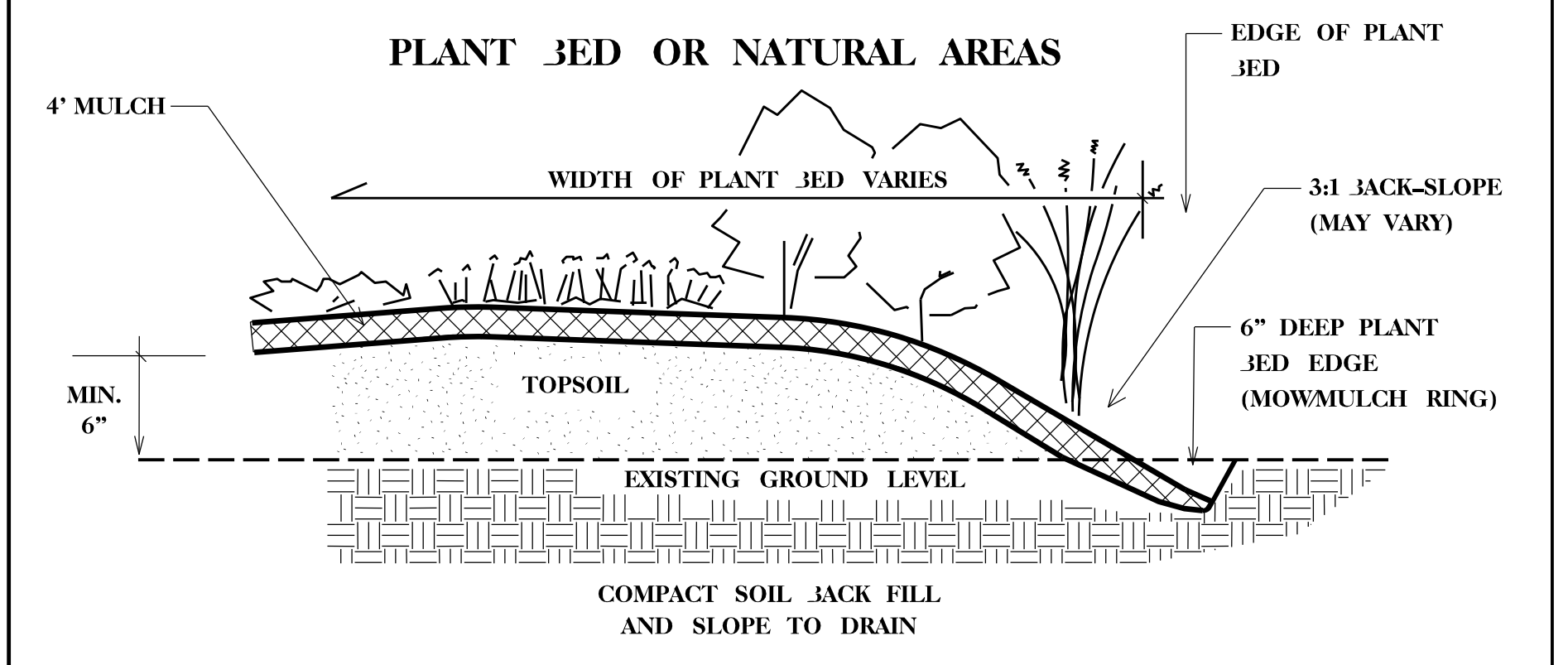
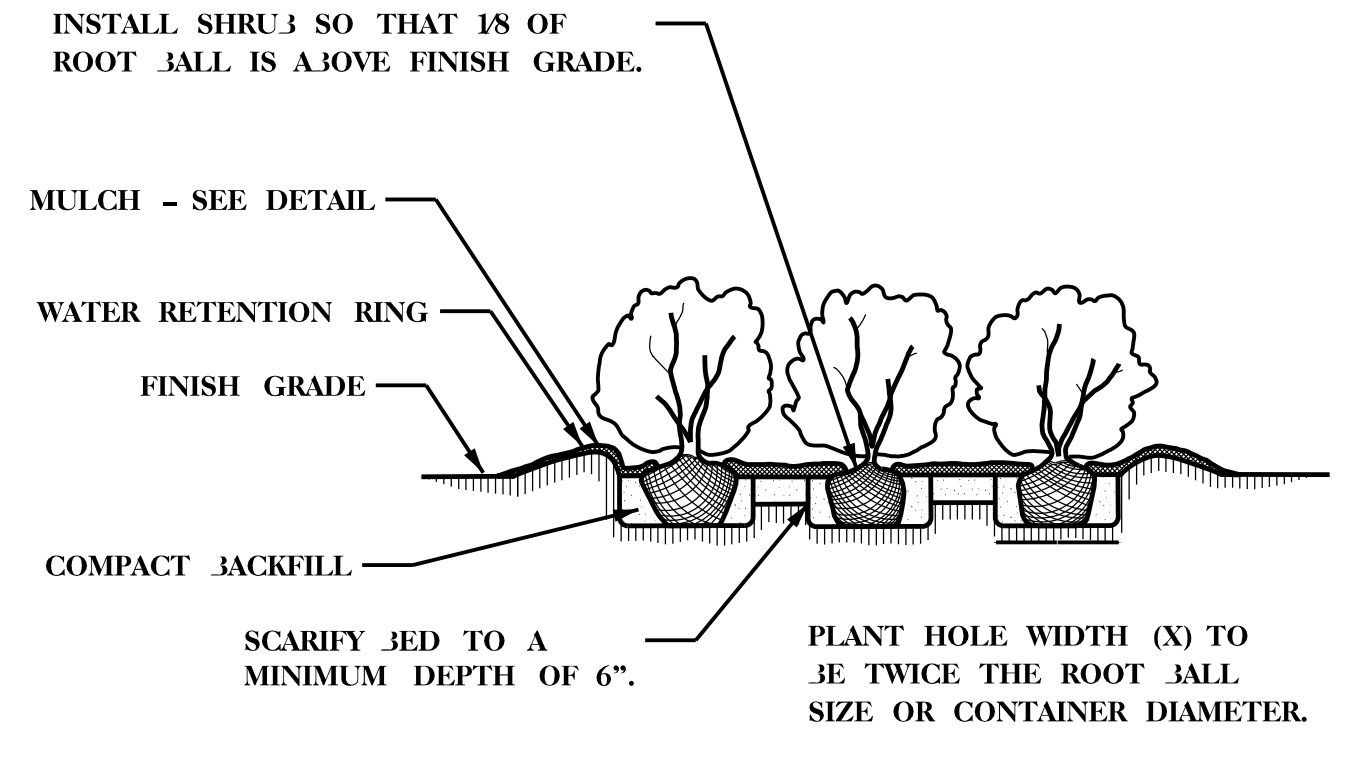
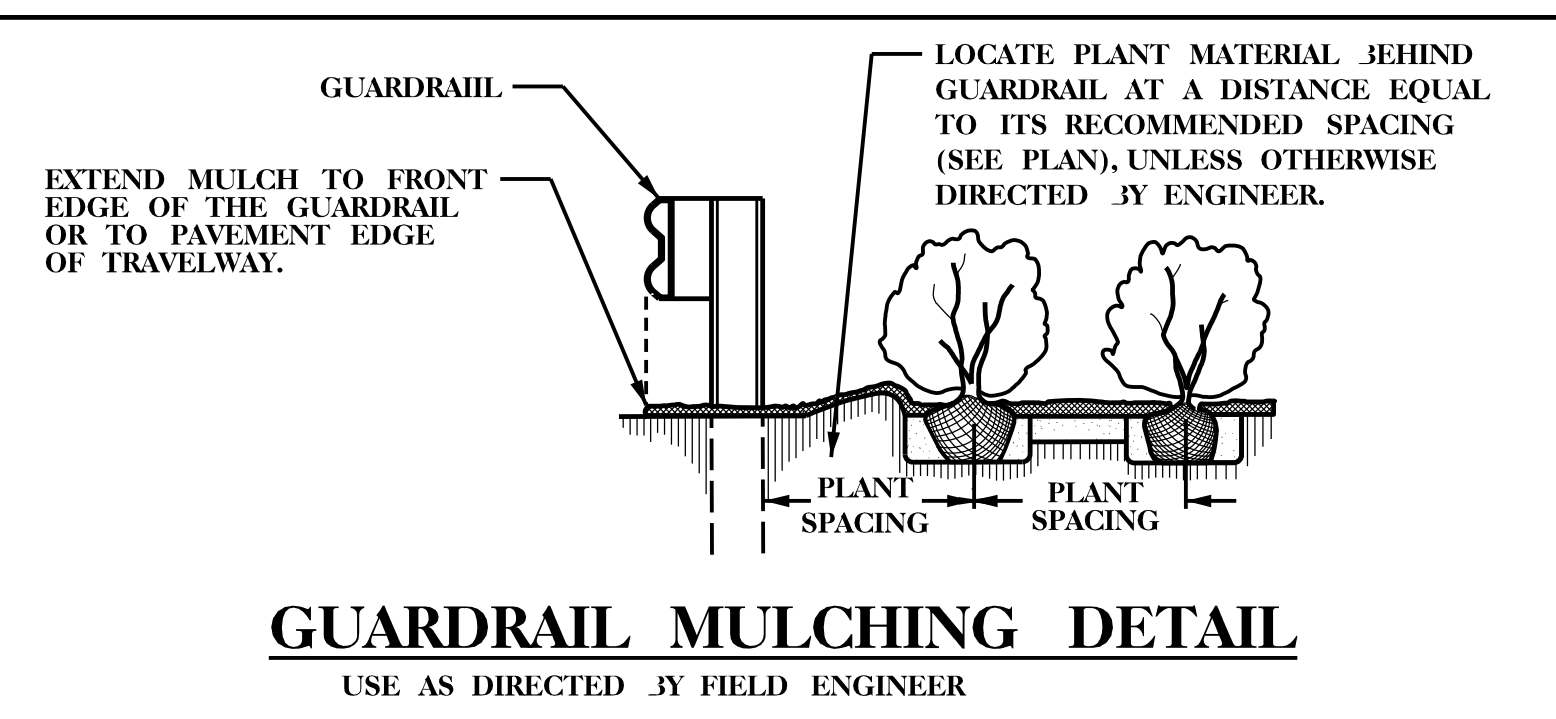
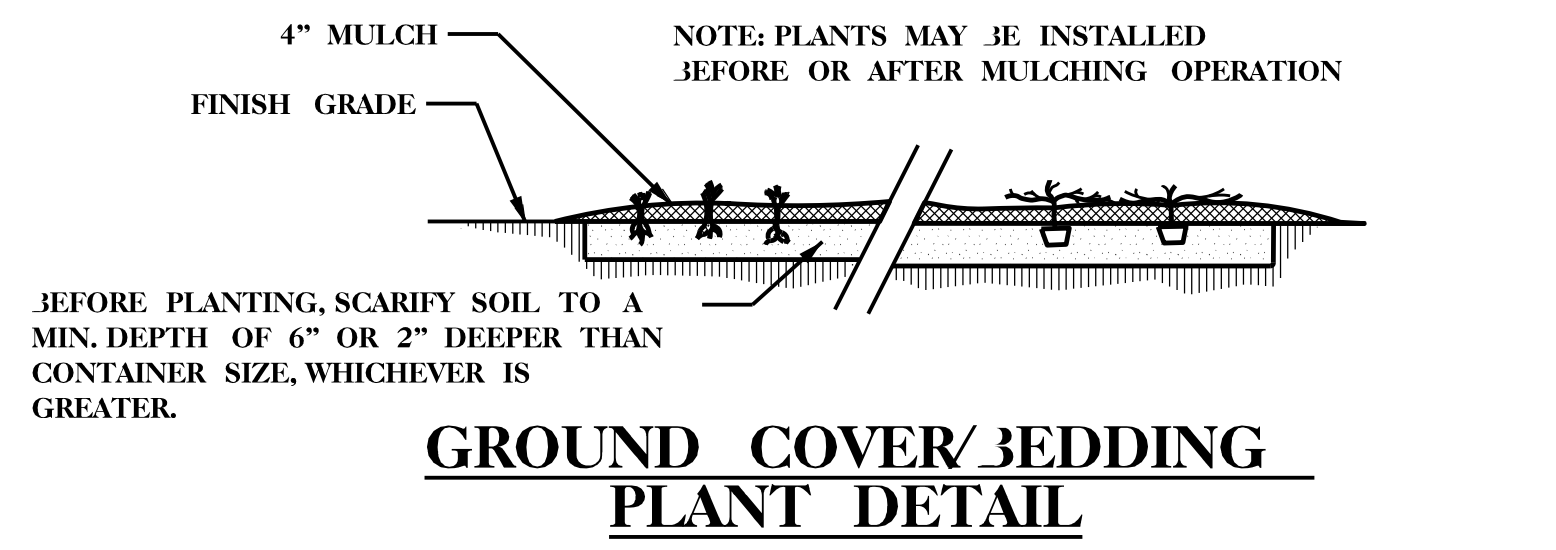
COUNTY: Rutherford County

2014 American Standard for Nursery Stock

2018 NCDOT STANDARD SPECIFICATIONS

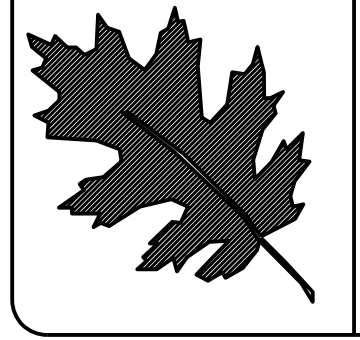
PREPARED IN THE OFFICE OF:
NCDOT- ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT SECTION
1557 MAIL SERVICE CENTER
RALEIGH NC 27699 919-707-2920

- 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 JACK 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

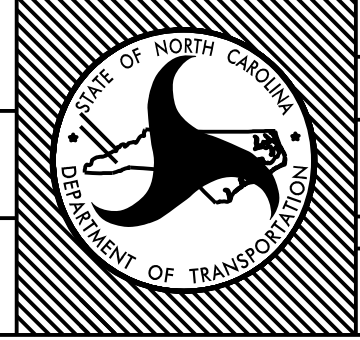


NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
 PH: 919-707-2935 FAX: 919-715-2554
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

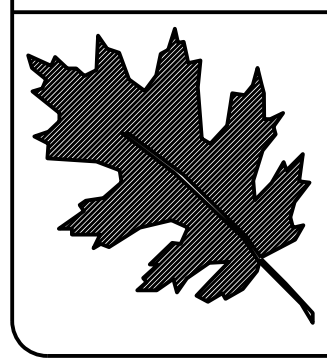
US 74A & OAKLAND RD IN SPINDALE
 RUTHERFORD COUNTY
 WBS #: 46305.3.42
 PREP. DESIGNER
Kyle Cooney

SHEET DESCRIPTION:
 PREL. DESIGN DATE: MAY 2017
 CHECKED BY & DATE:
 FINAL DESIGN DATE: DEC. 15, 2017

PLANTING DETAILS



T.I.P. # ER-5600MB
 WBS # 46305.3.42
 FED I.D. # STBG-074A(008)
 SHEET NO.: L-2
 TOTAL SHEET NO.: 9



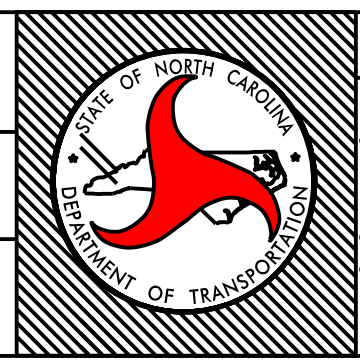
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
 PH: 919-707-2935 FAX: 919-715-2554
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

US 74A & OAKLAND RD IN SPINDALE
 RUTHERFORD COUNTY
 WBS #: 46305.3.42

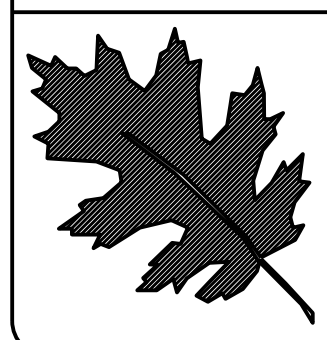
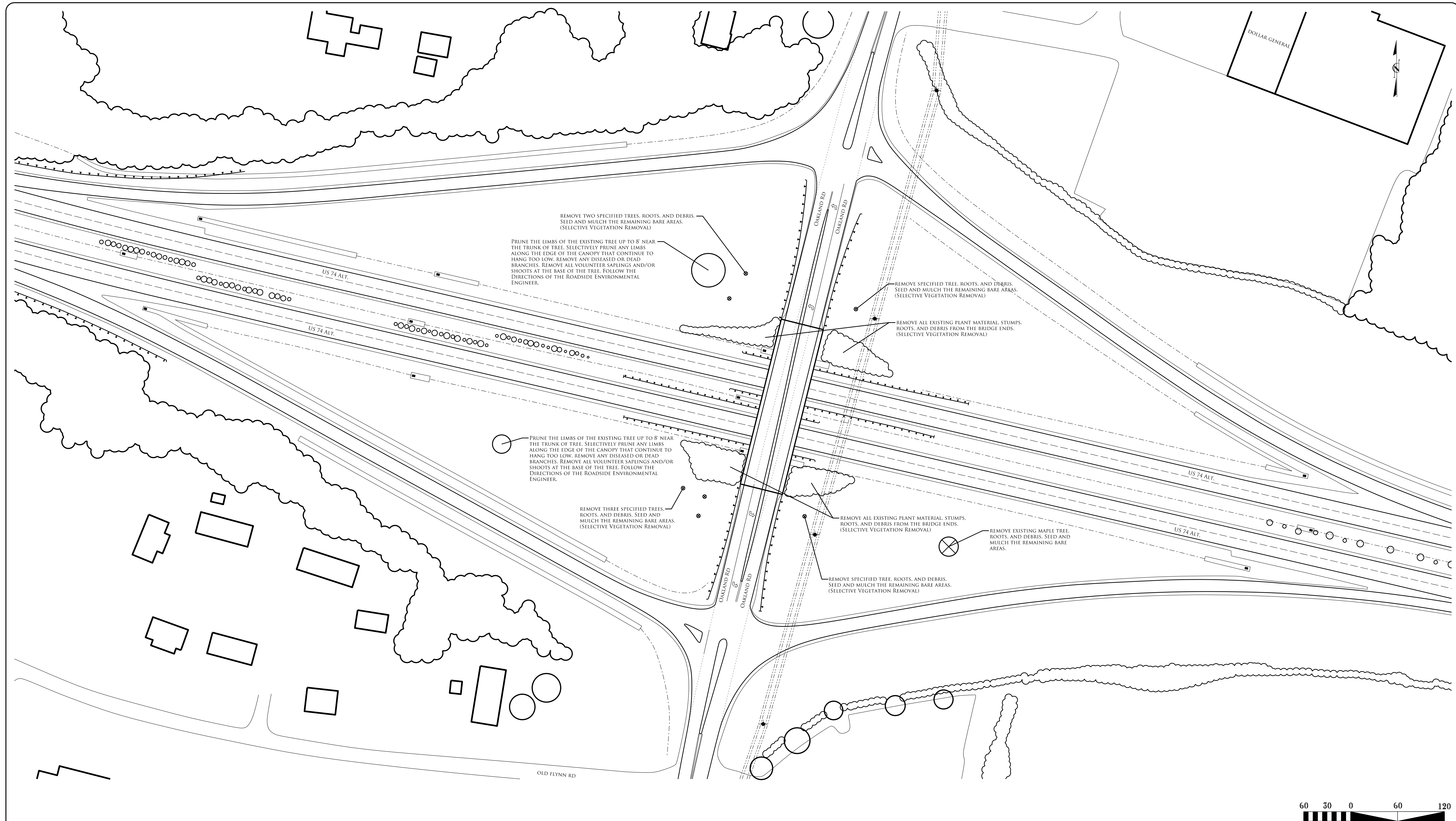
PREP. DESIGNER
Kyle Cooney

SHEET DESCRIPTION:	PREL. DESIGN DATE: MAY 2017
	CHECKED BY & DATE:
	FINAL DESIGN DATE: DEC. 15, 2017

DEMOLITION PLAN
LANDSCAPE PLAN SHEET



T.I.P. # ER-5600MB
WBS # 46305.3.42
FED I.D. # STBG-074A(008)
SHEET NO.: L-3 TOTAL SHEET NO.: 9



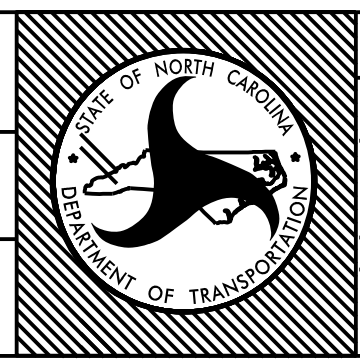
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
 PH: 919-707-2935 FAX: 919-715-2554
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

US 74A & OAKLAND RD IN SPINDALE
 RUTHERFORD COUNTY
 WBS #: 46305.3.42

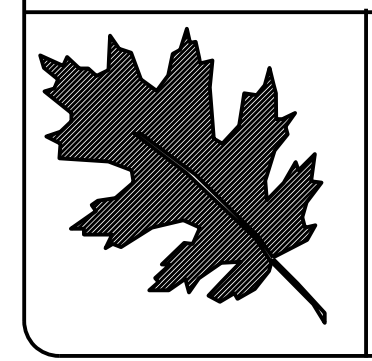
REG. DESIGNER
Kyle Cooney

SHEET DESCRIPTION:	PREL. DESIGN DATE: MAY 2017
	CHECKED BY & DATE:
	FINAL DESIGN DATE: DEC. 15, 2017

DEMOLITION PLAN
LANDSCAPE PLAN SHEET



T.I.P. # ER-5600MB
WBS # 46305.3.42
FED I.D. # STBG-074A(008)
SHEET NO.: L-4 TOTAL SHEET NO.: 9



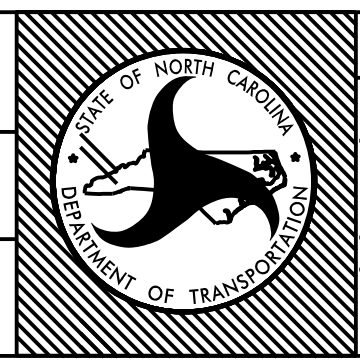
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
 PH: 919-707-2935 FAX: 919-715-2554
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

US 74A & OAKLAND RD IN SPINDALE
 RUTHERFORD COUNTY
 WBS #: 46305.3.42

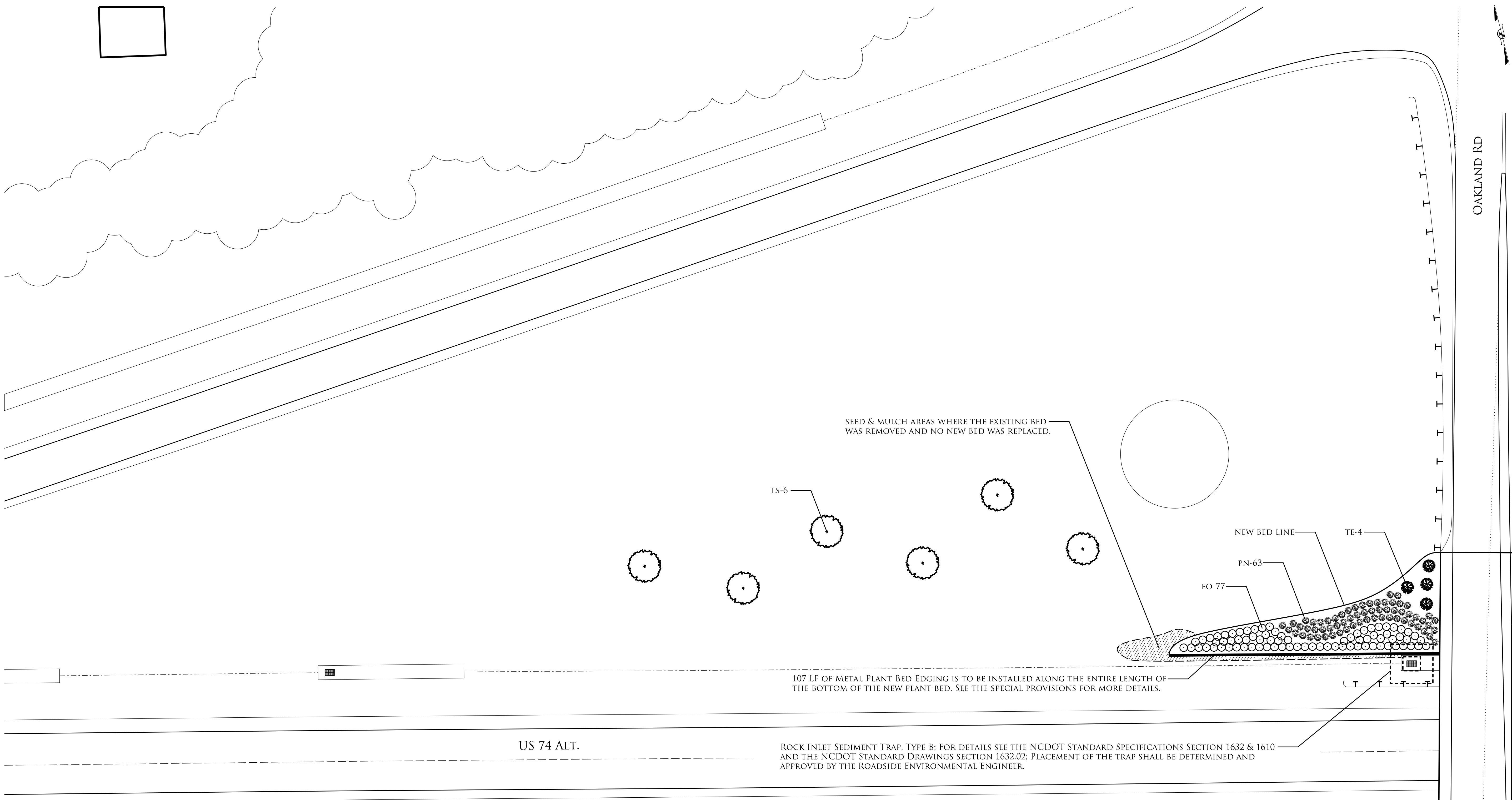
PREP. DESIGNER
Kyle Cooney

PREL. DESIGN DATE:	MAY 2017
CHECKED BY & DATE:	
FINAL DESIGN DATE:	DEC. 15, 2017

QUADRANT KEY
PLANTING PLAN
LANDSCAPE PLAN SHEET



T.I.P. # ER-5600MB
WBS # 46305.3.42
FED I.D. # STBG-074A(008)
SHEET NO.: L-5 TOTAL SHEET NO.: 9



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
77	EO	<i>EUONYMUS ALATUS</i> 'ODOM'	LITTLE MOSES' BURNING BUSH	3' O.C.
6	LS	<i>LAGERSTROEMIA X 'SIOUX'</i>	SIOUX CRAPE MYRTLE	40' O.C.
63	PN	<i>PANICUM VIRGATUM</i> 'NORTHWIND'	NORTHWIND SWITCH GRASS	3' O.C.
4	TE	<i>THUJA OCCIDENTALIS</i> 'SMARAGD'	EMERALD GREEN ARBORVITAE	AS SHOWN



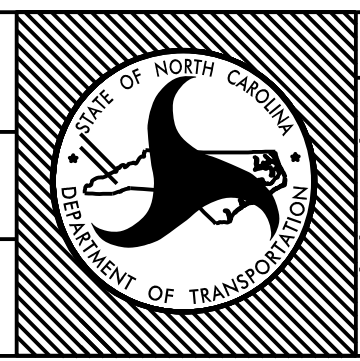
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
 PH: 919-707-2935 FAX: 919-715-2554
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

US 74A & OAKLAND RD IN SPINDALE
 RUTHERFORD COUNTY
 WBS #: 46305.3.42

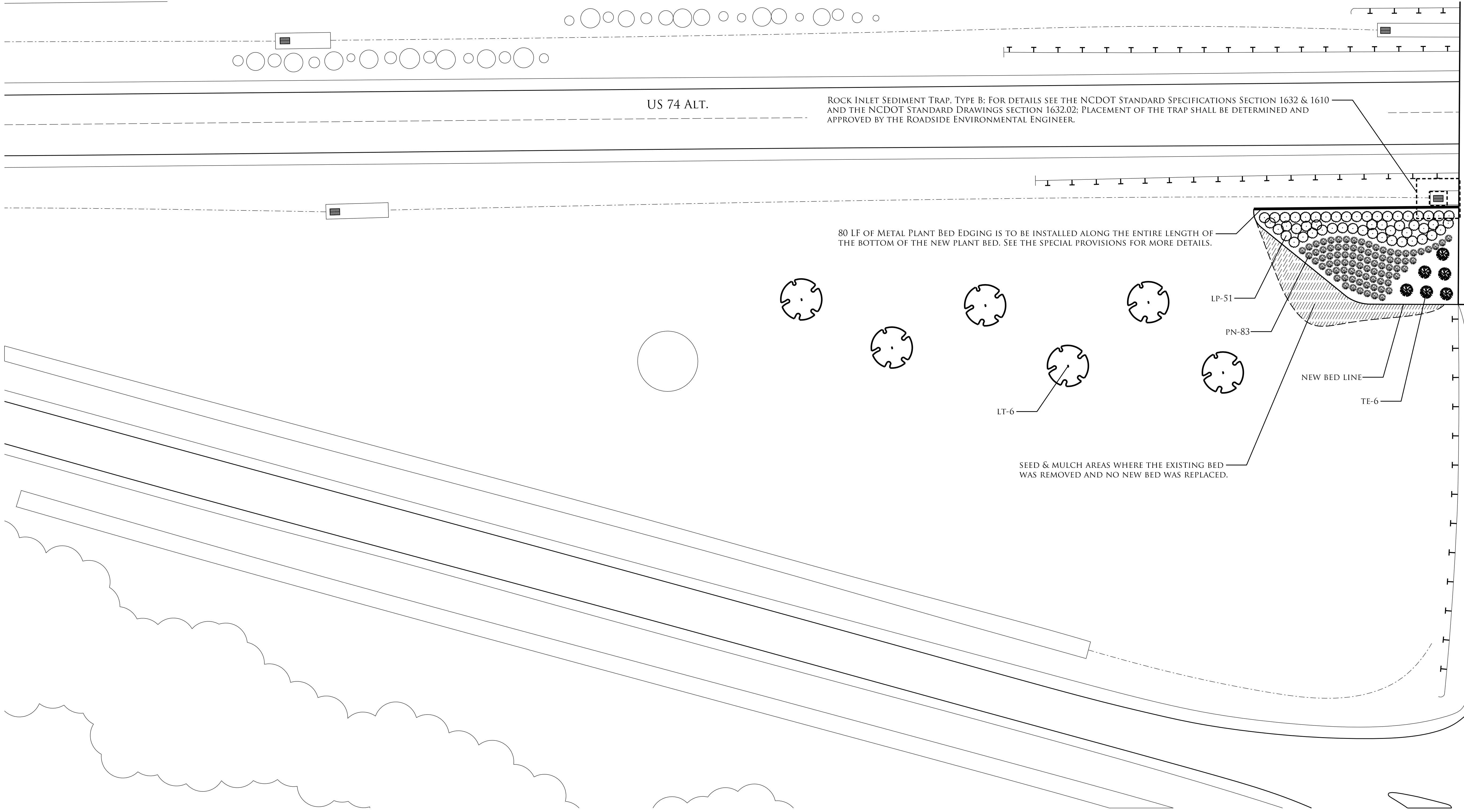
PREP. DESIGNER
Kyle Cooney

SHEET DESCRIPTION:
 PREL. DESIGN DATE: MAY 2017
 CHECKED BY & DATE:
 FINAL DESIGN DATE: DEC. 15, 2017

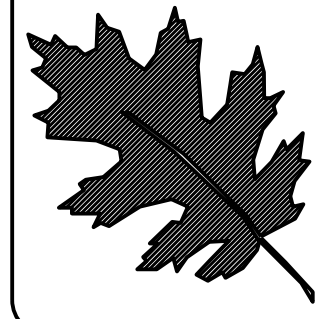
QUADRANT A
 PLANTING PLAN
 LANDSCAPE PLAN SHEET



T.I.P. # ER-5600MB
 WBS # 46305.3.42
 FED I.D. # STBG-074A(008)
 SHEET NO.: L-6
 TOTAL SHEET NO.: 9



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
51	LP	<i>LAGERSTROEMIA INDICA</i> 'POCOMOKE'	POCOMOKE CRAPE MYRTLE	4' O.C.
6	LT	<i>LAGERSTROEMIA INDICA</i> X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	40' O.C.
83	PN	<i>PANICUM VIRGATUM</i> 'NORTHWIND'	NORTHWIND SWITCH GRASS	3' O.C.
6	TE	<i>THUJA OCCIDENTALIS</i> 'SMARAGD'	EMERALD GREEN ARBORVITAE	AS SHOWN



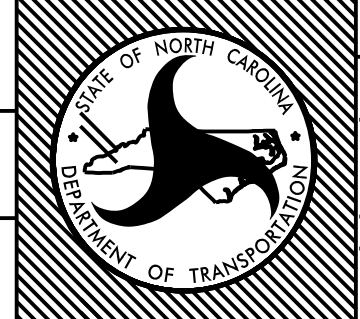
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
 PH: 919-707-2935 FAX: 919-715-2554
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

US 74A & OAKLAND RD IN SPINDALE
 RUTHERFORD COUNTY
 WBS #: 46305.3.42

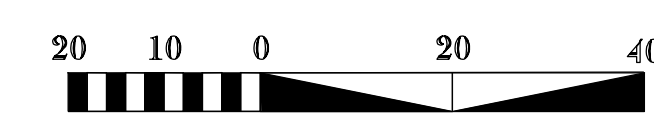
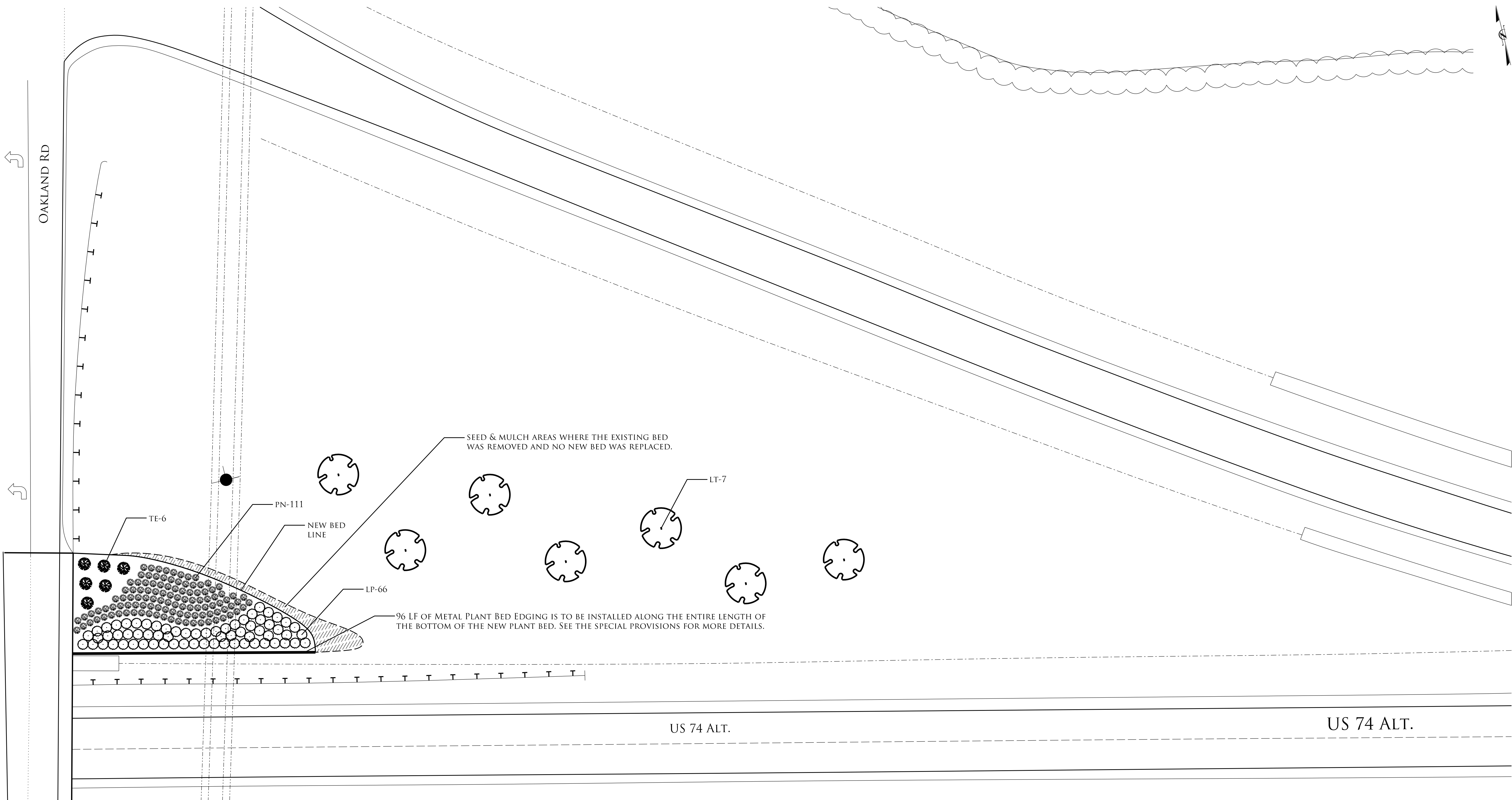
PREP. DESIGNER
Kyle Cooney

SHEET DESCRIPTION:
 PREL. DESIGN DATE: MAY 2017
 CHECKED BY & DATE:
 FINAL DESIGN DATE: DEC. 15, 2017

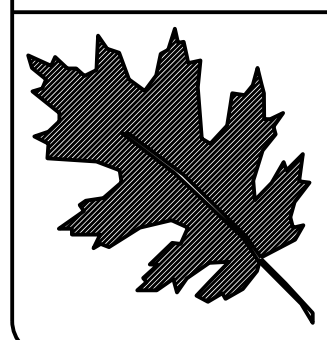
QUADRANT B
 PLANTING PLAN
 LANDSCAPE PLAN SHEET



T.I.P. # ER-5600MB
 WBS # 46305.3.42
 FED I.D. # STBG-074A(008)
 SHEET NO.: L-7 TOTAL SHEET NO.: 9



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
66	LP	LAGERSTROEMIA INDICA 'POCOMOKE'	POCOMOKE CRAPE MYRTLE	4' O.C.
7	LT	LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	40' O.C.
111	PN	PANICUM VIRGATUM 'NORTHWIND'	NORTHWIND SWITCH GRASS	3' O.C.
6	TE	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	AS SHOWN



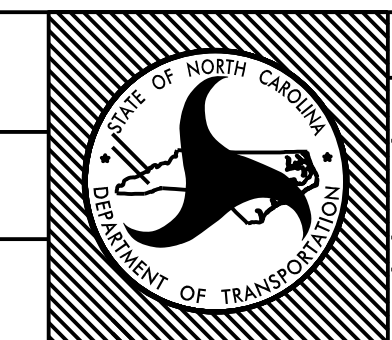
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
 PH: 919-707-2935 FAX: 919-715-2554
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

US 74A & OAKLAND RD IN SPINDALE
 RUTHERFORD COUNTY
 WBS #: 46305.3.42

PREL. DESIGNER
Kyle Cooney

SHEET DESCRIPTION:
 PREL. DESIGN DATE: MAY 2017
 CHECKED BY & DATE:
 FINAL DESIGN DATE: DEC. 15, 2017

QUADRANT C
 PLANTING PLAN
 LANDSCAPE PLAN SHEET



T.I.P. # ER-5600MB
 WBS # 46305.3.42
 FED I.D. # STBG-074A(008)
 SHEET NO.: L-8 TOTAL SHEET NO.: 9



US 74 ALT.

US 74 ALT.

83 LF OF METAL PLANT BED EDGING IS TO BE INSTALLED ALONG THE ENTIRE LENGTH OF THE BOTTOM OF THE NEW PLANT BED. SEE THE SPECIAL PROVISIONS FOR MORE DETAILS.

EO-66

LS-5

PN-95

TE-6

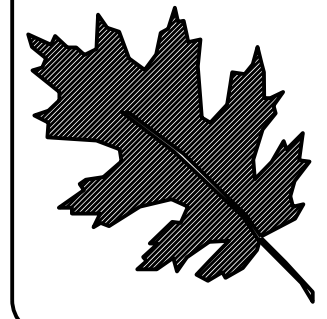
NEW BED LINE

SEED & MULCH AREAS WHERE THE EXISTING BED WAS REMOVED AND NO NEW BED WAS REPLACED.

OAKLAND RD



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
66	EO	<i>EUONYMUS ALATUS 'ODOM'</i>	LITTLE MOSES' BURNING BUSH	3' O.C.
5	LS	<i>LAGERSTROEMIA X 'SIOUX'</i>	SIOUX CRAPE MYRTLE	40' O.C.
95	PN	<i>PANICUM VIRGATUM 'NORTHWIND'</i>	NORTHWIND SWITCH GRASS	3' O.C.
6	TE	<i>THUJA OCCIDENTALIS 'SMARAGD'</i>	EMERALD GREEN ARBORVITAE	AS SHOWN



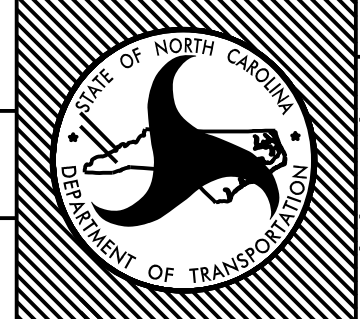
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
 PH: 919-707-2935 FAX: 919-715-2554
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP/CHIEF ENG/ROADSIDE/](http://www.ncdot.org/doh/operations/dp/chief_eng/roadside/)

US 74A & OAKLAND RD IN SPINDALE
 RUTHERFORD COUNTY
 WBS #: 46305.3.42

PREP. DESIGNER
Kyle Cooney

PREL. DESIGN DATE:	MAY 2017
CHECKED BY & DATE:	
FINAL DESIGN DATE:	DEC. 15, 2017

QUADRANT D
 PLANTING PLAN
 LANDSCAPE PLAN SHEET



T.I.P. # ER-5600MB
 WBS # 46305.3.42
 FED I.D. # STBG-074A(008)
 SHEET NO.: **L-9** TOTAL SHEET NO.: **9**