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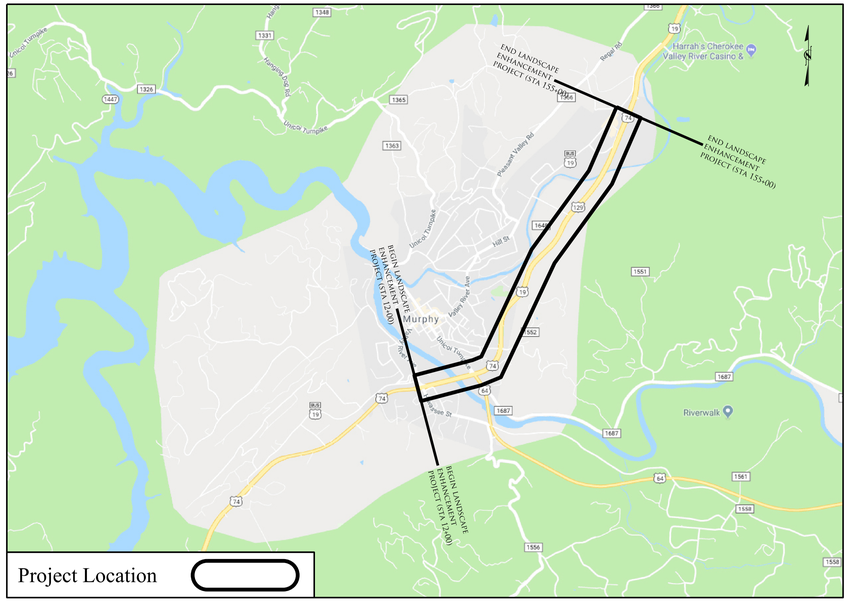
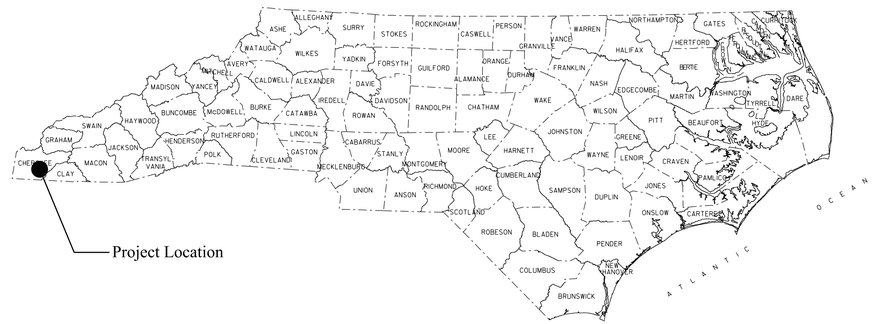
HIGHWAY LANDSCAPE DEVELOPMENT PROJECT

T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
ER-5600	46305.3.57	L1	27
FED. PROJ. #	DESCRIPTION		DIVISION
STBG-0074(219)	Enhancement		14

US 74 IN MURPHY





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	13	*ea*	CC	*Cercis canadensis 'Forest Pansy'*	Forest Pansy Redbud		1.75-2"	B&B	2.3	As Shown
L	1670	2	*ea*	CW	*Cercis canadensis f. alba 'Royal White'*	Royal White Redbud		1.75-2"	B&B	2.3	As Shown
L	1670	19	*ea*	CF	*Cornus florida 'Cherokee Princess'*	Cherokee Princess Flowering Dogwood	6-7'		B&B	2.4	As Shown
L	1670	12	*ea*	IN	*Ilex x 'Nellie R. Stevens'*	Nellie R. Stevens Holly	7-8'		B&B	5.8	As Shown
L	1670	12	*ea*	JB	*Juniperus virginiana 'Brodie'*	Brodie Eastern Red Cedar	6-7'		B&B	4.9	5' O.C.
					Shrubs						
L	1670	35	*ea*	DV	*Distylium 'Vintage Jade'*	Vintage Jade Distylium	18-24"		#3 Cont.	5.5	3.5' O.C.
L	1670	75	*ea*	RC	*Rhododendron 'Conlec'*	Encore® Autumn Royalty™ Azalea	18-24"		#3 Cont	5.7	3.5' O.C.
L	1670	64	*ea*	RR	*Rhododendron 'Roblex'*	Encore® Autumn Lily™ Azalea	18-24"		#3 Cont	5.7	2.5' O.C.
					Grasses/Groundcovers/Perennials						
L	*1670*	236	*ea*	HS	*Hemerocallis 'Stella de Oro'*	Stella de Oro Daylily	6-12"		#1 Cont	13.2.3	2' O.C.
L	1670	473	*ea*	PN	*Panicum virgatum 'Northwind'*	Northwind Switch Grass	6-12"		#sp3; 18/tray	13.4	2.5' O.C.
L	1670	313	*ea*	PL	*Perovskia atriplicifolia 'Little Spire'*	Little Spire Russian Sage	6-12"		#1 Cont	13.3	2' O.C.
L	1670	408	*ea*	SA	*Sedum spectabile 'Autumn Joy'*	Autumn Joy Sedum	6-12"		#1 Cont	13.3	2' O.C.
L	1664	13011	*sy*	ZO	*Zoysia 'Zenith'*	Zenith Zoysiagrass	Sod		Sod	n/a	Tight Seams
					Other Vegetation Costs						
L	1651	0.5	*acre*		Selective Vegetation Removal						
L	1056	500	*sy*		Geotextile for Drainage, Type 2						
L	1670	555	*cy*		Mulch for Planting						*4" Depth*
L	1060	4961	*sy*		Pre emergence Herbicidal Treatment						
L	1060	4961	*sy*		Post emergence Herbicidal Treatment						
L	SP	97	*ton*		River Rock (Tan/Brown)(4-10")						
L	1651	18	*ea*		Selective Tree Removal, 6"						
L	1651	6	*ea*		Selective Tree Removal, 10"						
L	1651	2	*ea*		Selective Tree Removal, 15"						
L	1670	83	*1000 gal.*		Water for Planting						
L	1650	0.6	*acre*		Wooded Area Cleanup						
L	1670	12	*ea*		Monthly Maintenance						
					[ ] - Alternative Plant Option						
					***Zenith Zoysiagrass sod quantity includes 10% extra for waste cuts**						

INDEX OF L SHEETS:

L 1.0 - Title Sheet
L 2.0 - Planting Details
L 3.0 - L 12.0 - Demolition Plans
L 13.0 - Planting Plan
L 14.0 - L 16.0 - Enlarged Planting Plans
L 17.0 - Planting Plan
L 18.0 - Enlarged Planting Plan
L 19.0 - L 26.0 - Planting Plans
L 27.0 - Enlarged Planting Plan

PREPARED BY: KC DATE: 03/2018

REVISIONS

DATE	DESCRIPTION

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

LOCATION: US 74 in Murphy

TYPE of WORK: Enhancement

COUNTY: Cherokee County

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2006 STEVEN K. COOPER
DocuSigned by:
Signature

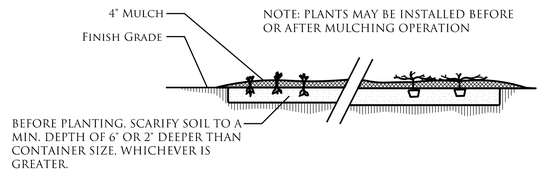
2014 American Standard for Nursery Stock

2018 NCDOT STANDARD SPECIFICATIONS

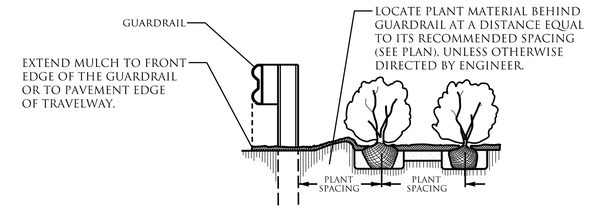
PREPARED IN THE OFFICE OF:
NCDOT- ROADSIDE ENVIRONMENTAL UNIT
AESTHETIC ENGINEERING SECTION
1557 MAIL SERVICE CENTER
RALEIGH NC 27699 919-707-2920

NOTES:

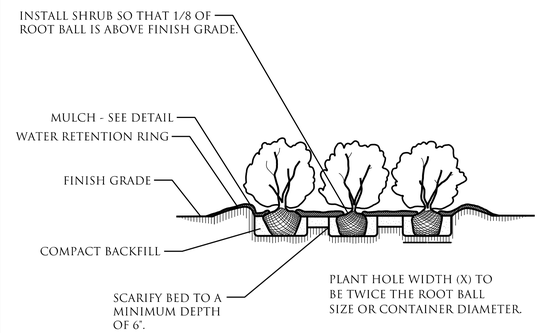
- SCHEDULE FOR PLANT HOLE SIZE: PLANT HOLE WIDTH (X) TO BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.
- SEE STANDARD SPECIFICATIONS FOR PLANT BED FUMIGATION AND HERBICIDAL TREATMENT.
- APPLY FERTILIZER AT PLANTING TIME IN THE FORM OF A SLOW RELEASE PELLET OR TABLET. APPLY AT RATE RECOMMENDED BY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

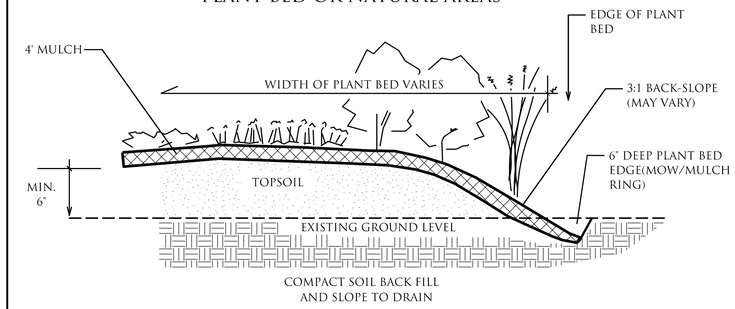


GUARDRAIL MULCHING DETAIL
USE AS DIRECTED BY FIELD ENGINEER
NTS

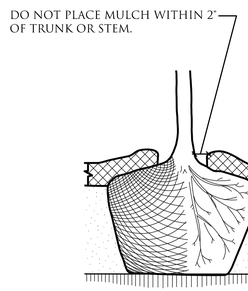


SHRUB BED PLANTING DETAIL
NTS

PLANT BED OR NATURAL AREAS



PLANT BED EDGE DETAIL
NTS



MULCH DETAIL
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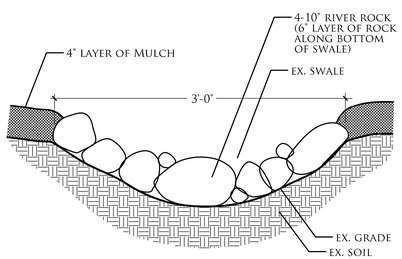
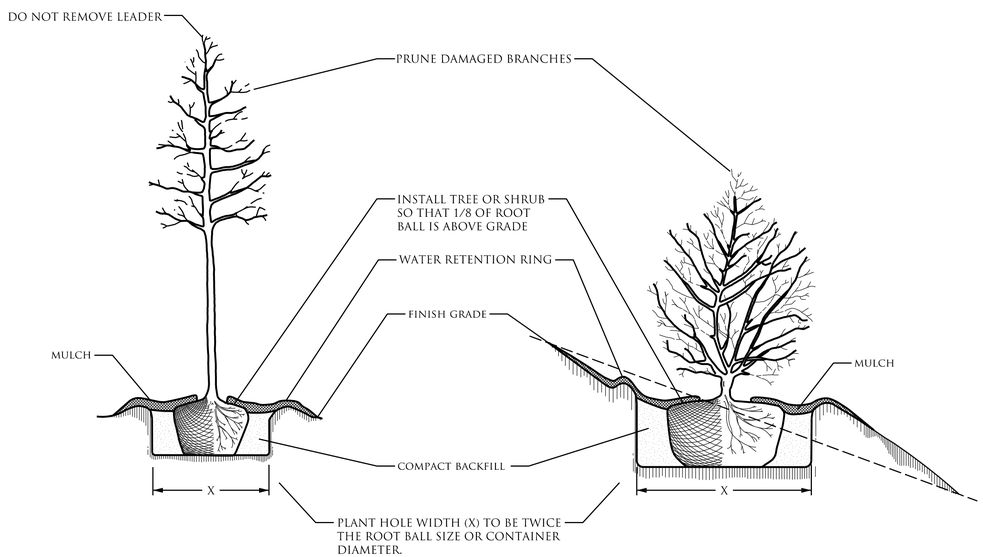
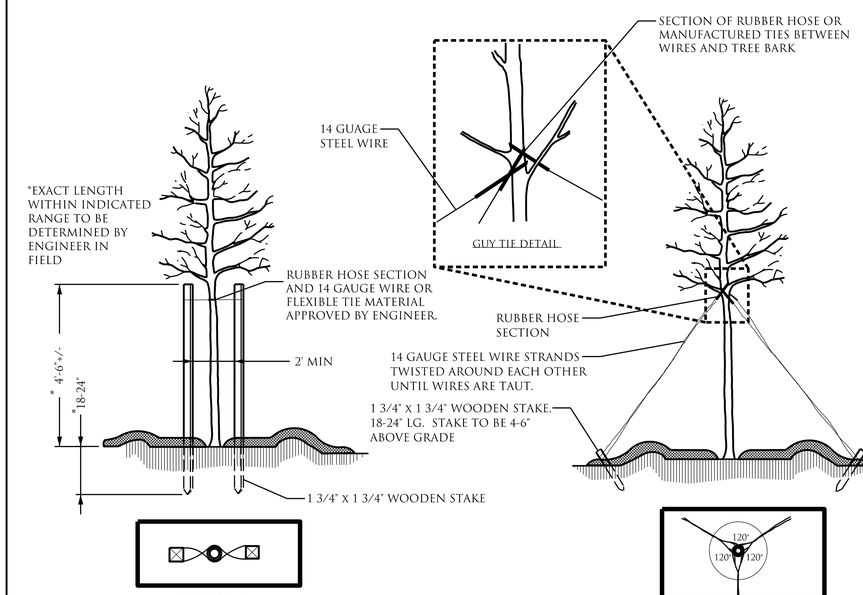


RIVER ROCK LINED SWALE
NTS



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
PH: 919-707-2935 FAX: 919-715-2554
HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP CHIEF ENG/ROADSIDE/

US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

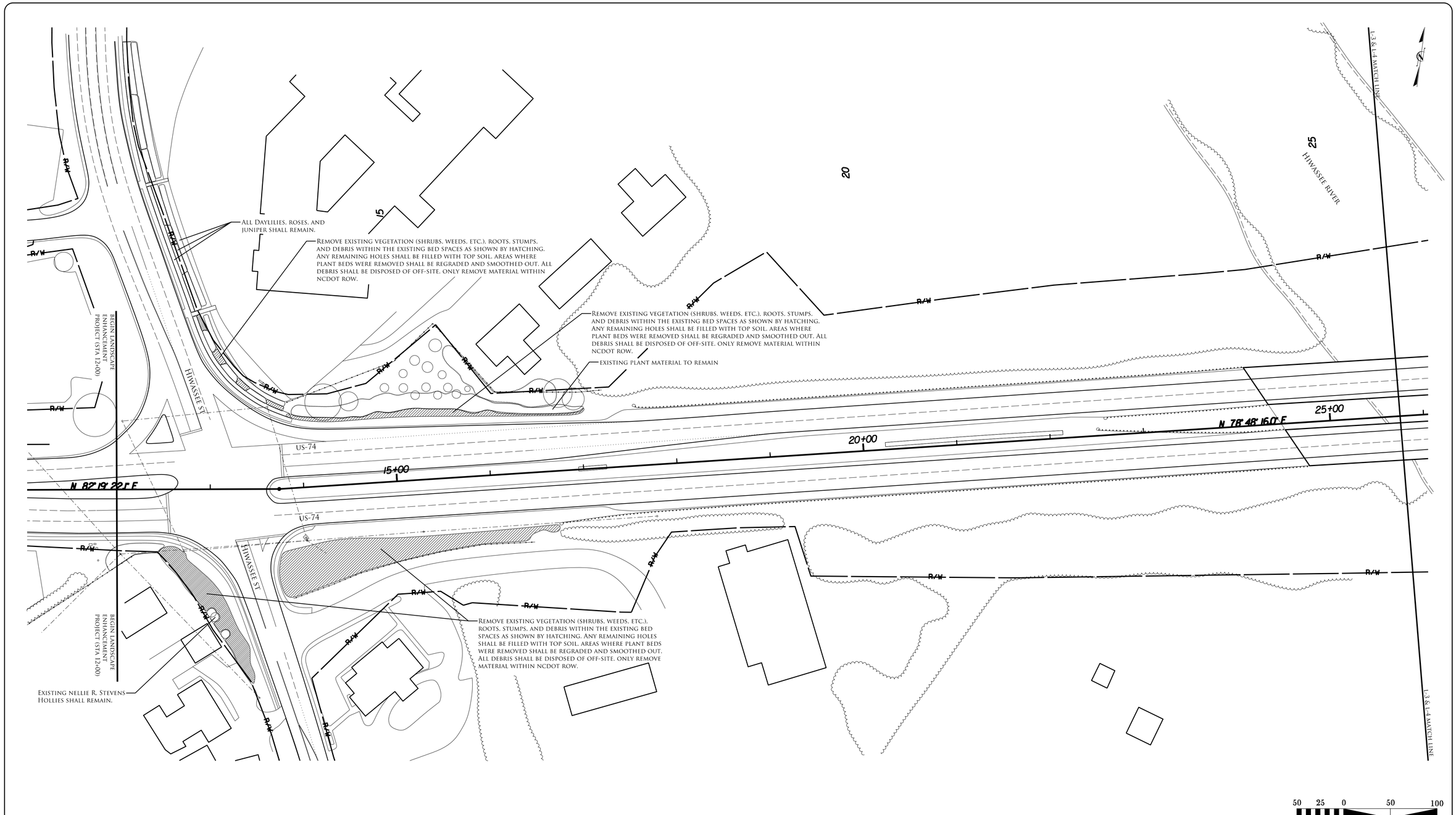
NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2006 STEVEN K. COOPER
Electronic Signature Date: 2018.10.15 15:54:00 -04'00'

REV. DESIGNER: Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	PLANTING DETAILS	T.I.P. # ER-5600
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET	WBS # 46305.3.57
FINAL DESIGN DATE :	OCTOBER 2018		FED I.D. # STBG-0074(219)
			SHEET NO : L–2 / TOTAL SHEET NO : L–27

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION



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Landscape Design & Development
1557 Mail Service Center Raleigh NC 27699-1557
PH: 919-707-2935 FAX: 919-715-2554
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US 74 in Murphy
Cherokee County
WBS #: 46305.3.57

North Carolina Registered Landscape Architect Seal — DocuSigned by: 2066 — Steven K. Cooper

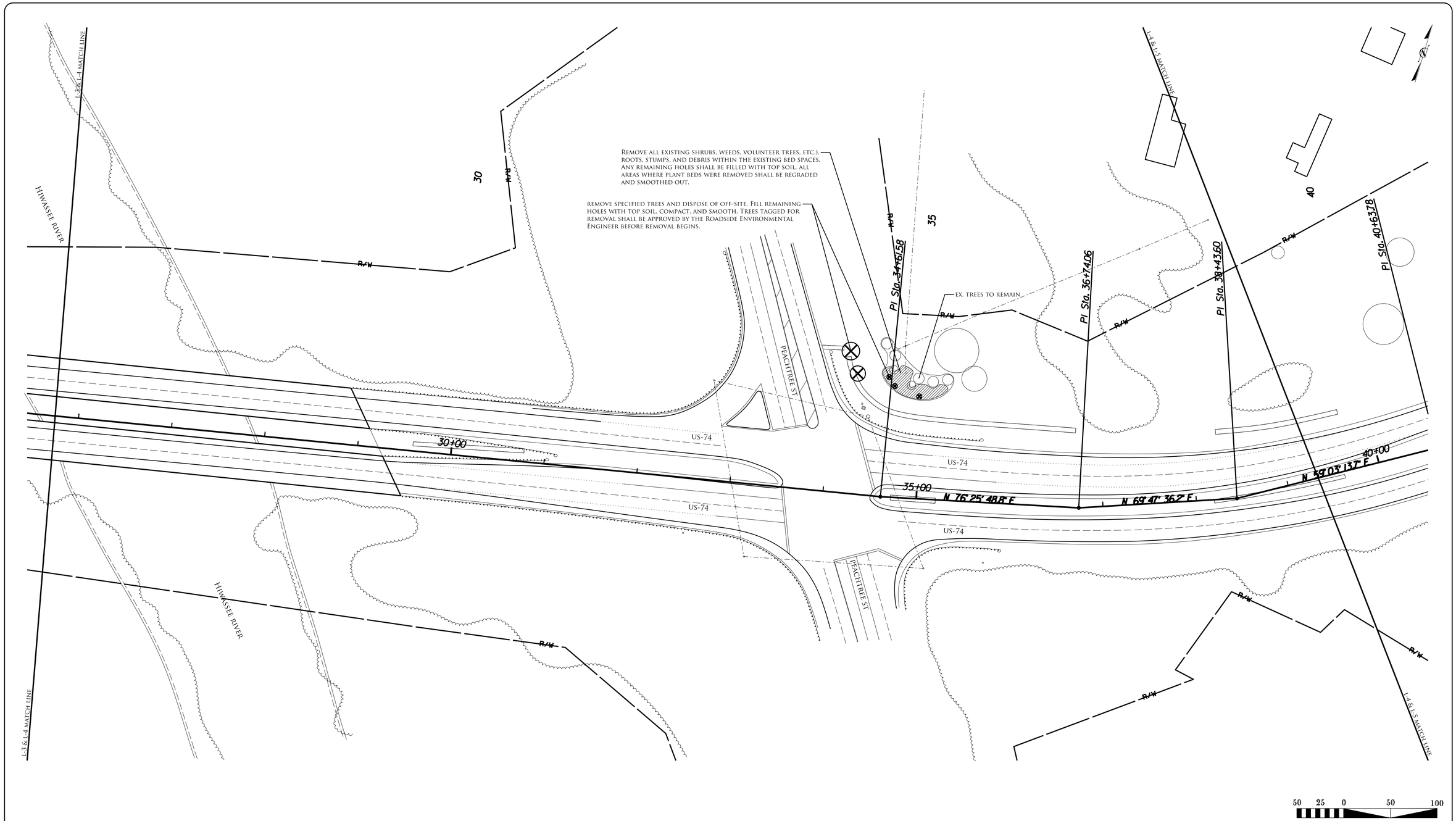
REU. Designer: Kyle Cooper

Sheet Description:

Prel. Design Date :	March 2018	Demolition Plan
Checked by & Date :	- - - - -	Landscape Plan Sheet
Final Design Date :	October 2018	

State of North Carolina Department of Transportation

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
Sheet No :	L–3
Total Sheet No :	L–27



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LANDSCAPE DESIGN & DEVELOPMENT
1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
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US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 2008 STEVEN K. COOPER

REU. DESIGNER: Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	DEMOLITION PLAN	T.I.P. # ER-5600
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET	WBS # 46305.3.57
FINAL DESIGN DATE :	OCTOBER 2018		FED I.D. # STBG-0074(219)
			SHEET NO : L-4 / TOTAL SHEET NO : L-27

✻ NO WORK IS BEING COMPLETED ON THIS SHEET ✻

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US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2008 STEVEN K. COOPER
DocuSigned by: Steven K. Cooper
Certificate #: 2008

REU. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	DEMOLITION PLAN
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE :	OCTOBER 2018	

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
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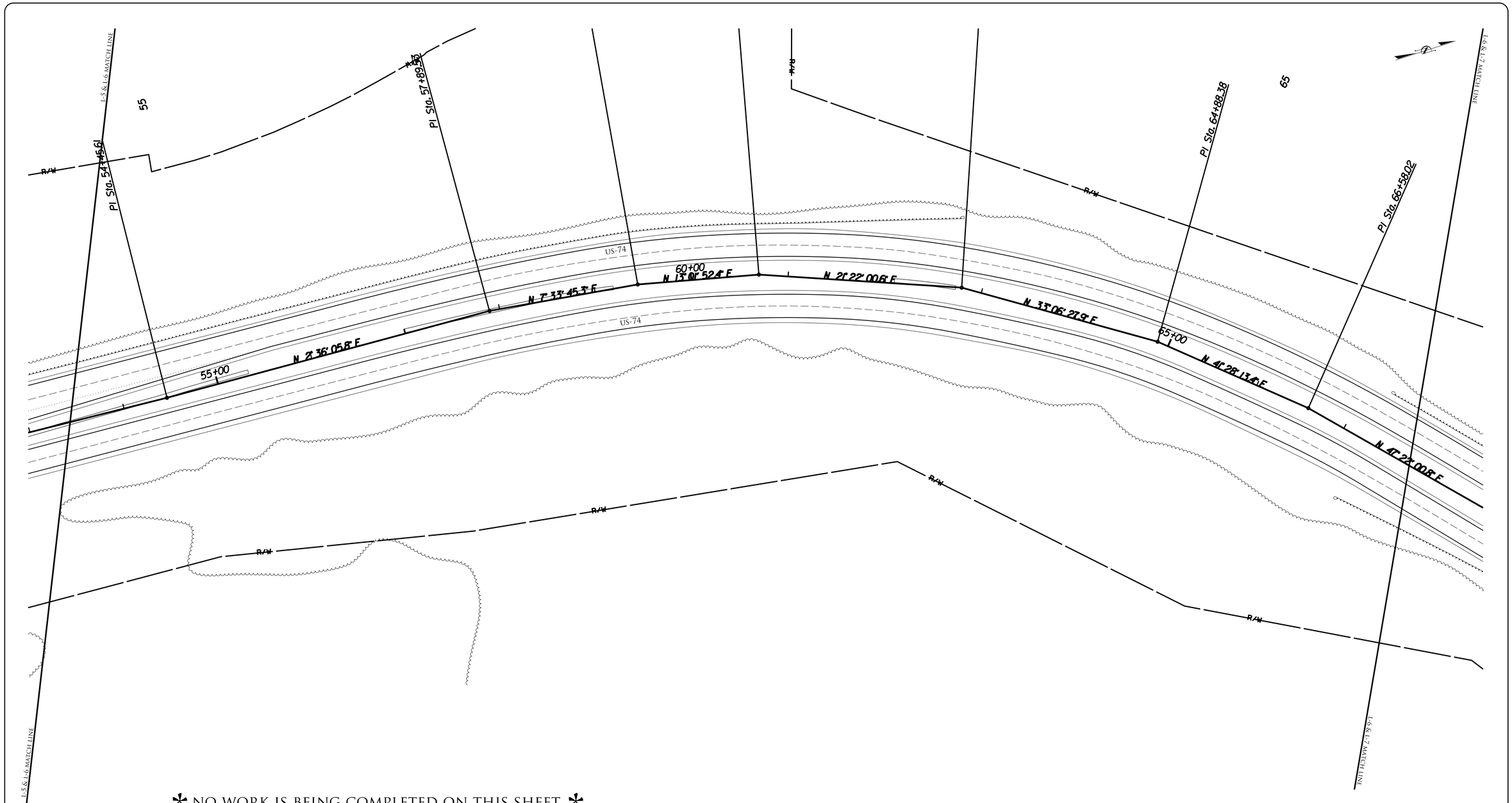

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US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT
DocuSigned by: 2008
DYLAN K. COOPER
REGISTRATION NO. 2008

REU. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	DEMOLITION PLAN	
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET	
FINAL DESIGN DATE :	OCTOBER 2018		

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

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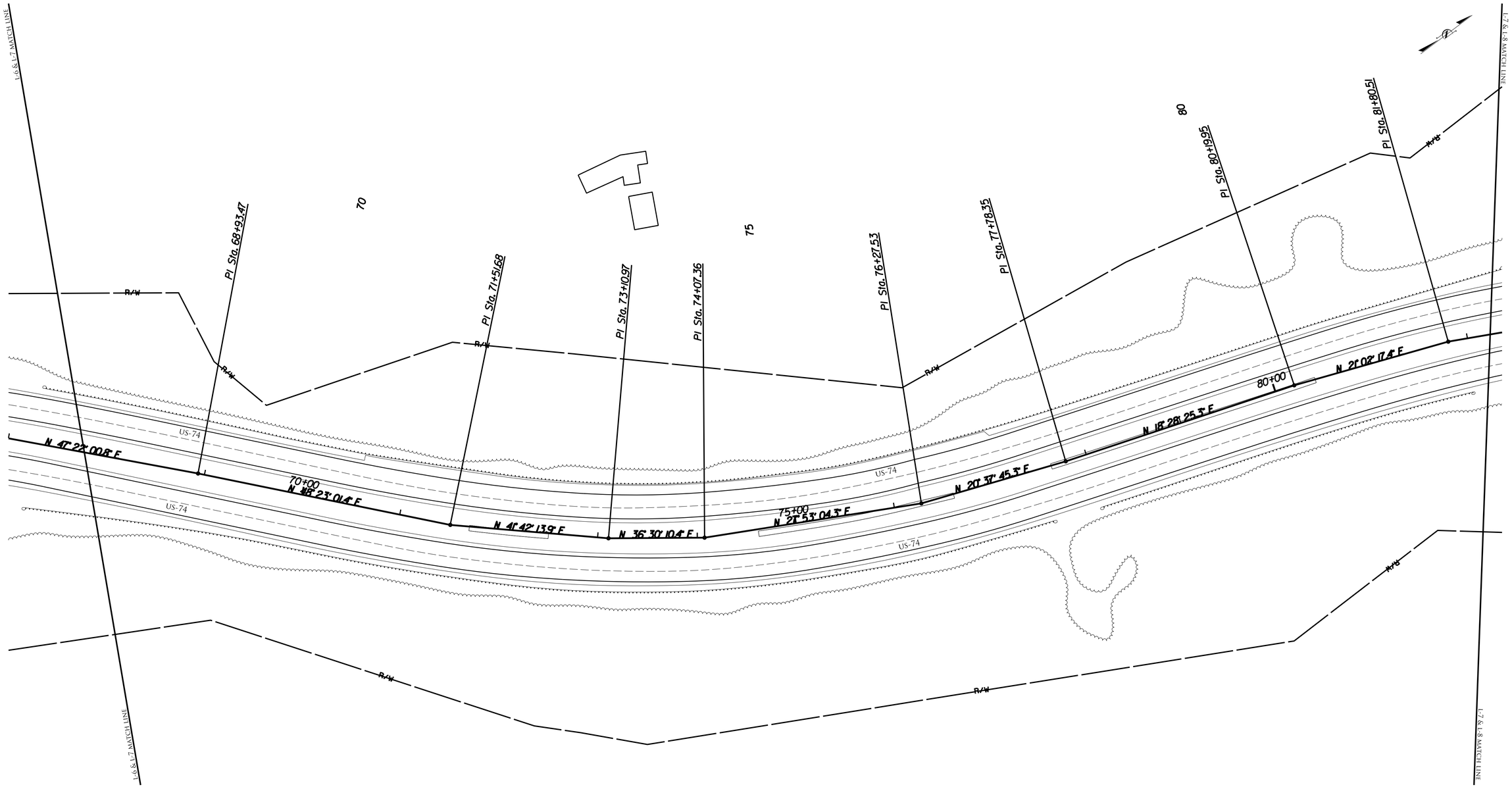

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US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 2008 STEVEN K. COOPER

DocuSigned by:

REU. DESIGNER Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	DEMOLITION PLAN
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE :	OCTOBER 2018	

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
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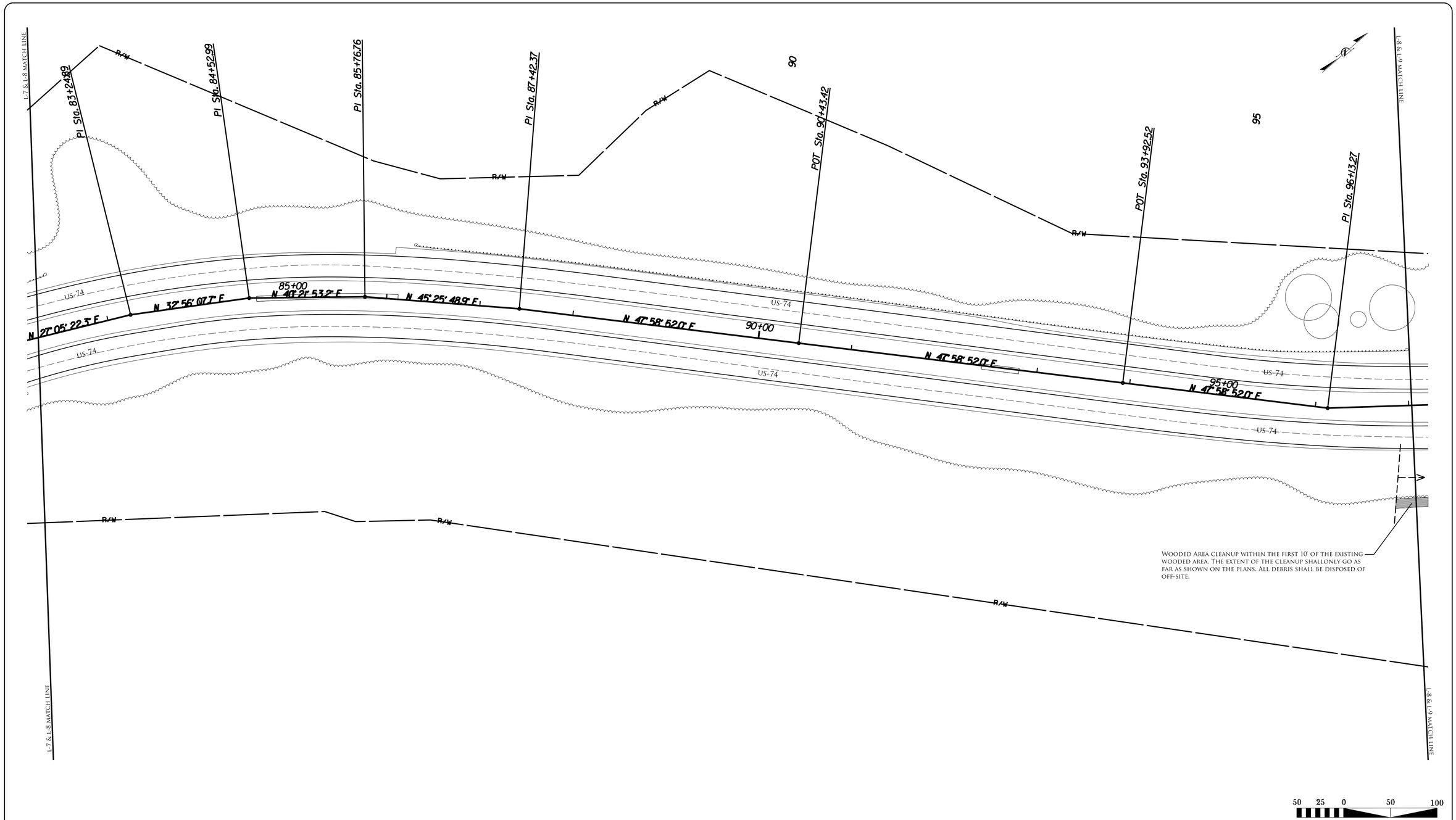
TOTAL SHEET NO :	L-27



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/

US 74 in Murphy
Cherokee County
WBS #: 46305.3.57

North Carolina Registered Landscape Architect 2008 Steven K. Cooper

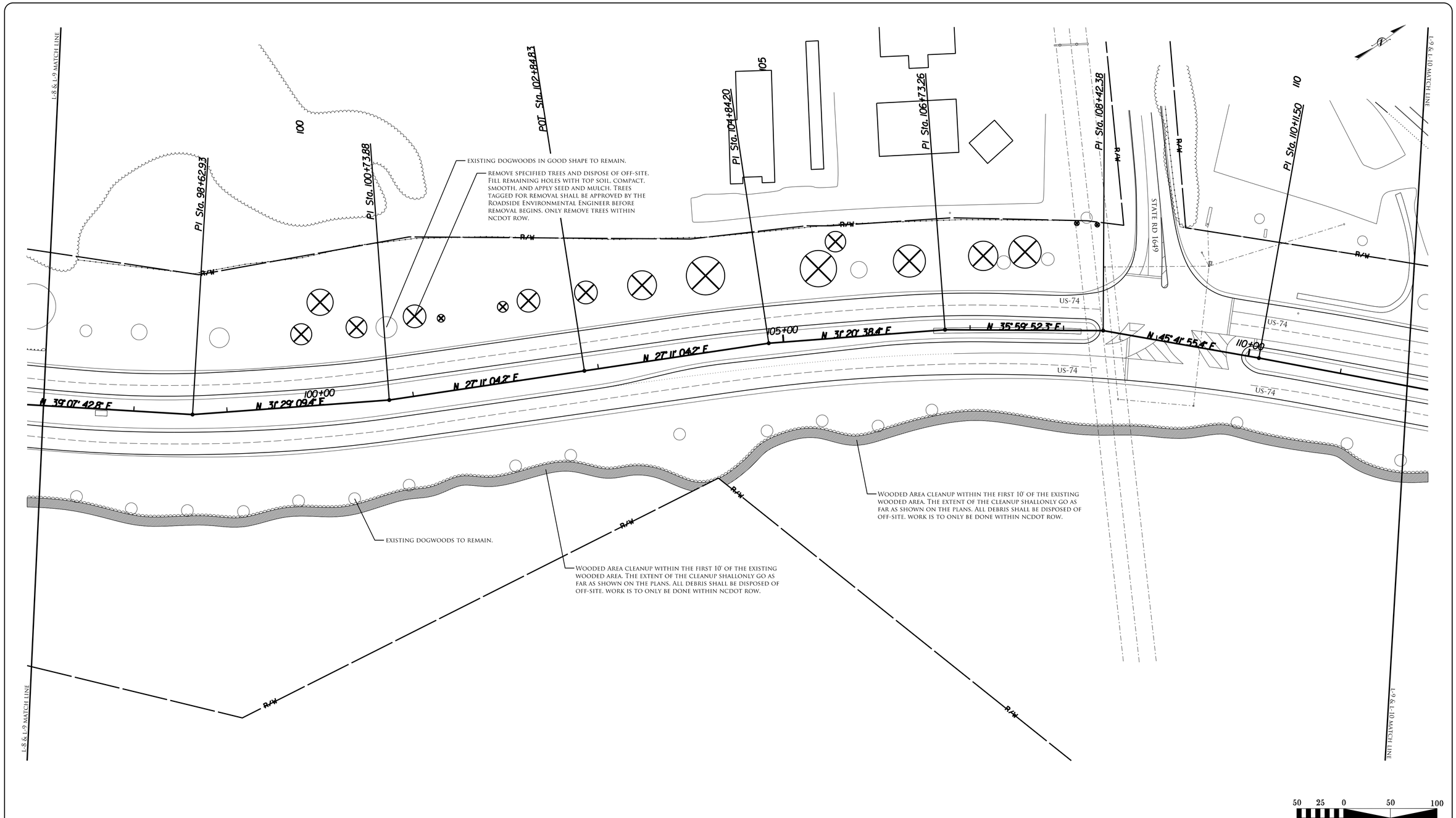
REU. Designer: Kyle Cooper

Sheet Description:

Prel. Design Date :	March 2018	Demolition Plan	
Checked by & Date :	- - - - -	Landscape Plan Sheet	
Final Design Date :	October 2018		

State of North Carolina Department of Transportation

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
Sheet No :	L-8
Total Sheet No :	L-27



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PH: 919-707-2935 FAX: 919-715-2554
HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP CHIEF ENG/ROADSIDE/

US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2088 STEVEN K. COOPER

DocuSigned by:
Kyle Cooper

REU. DESIGNER

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	DEMOLITION PLAN	
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET	
FINAL DESIGN DATE :	OCTOBER 2018		

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
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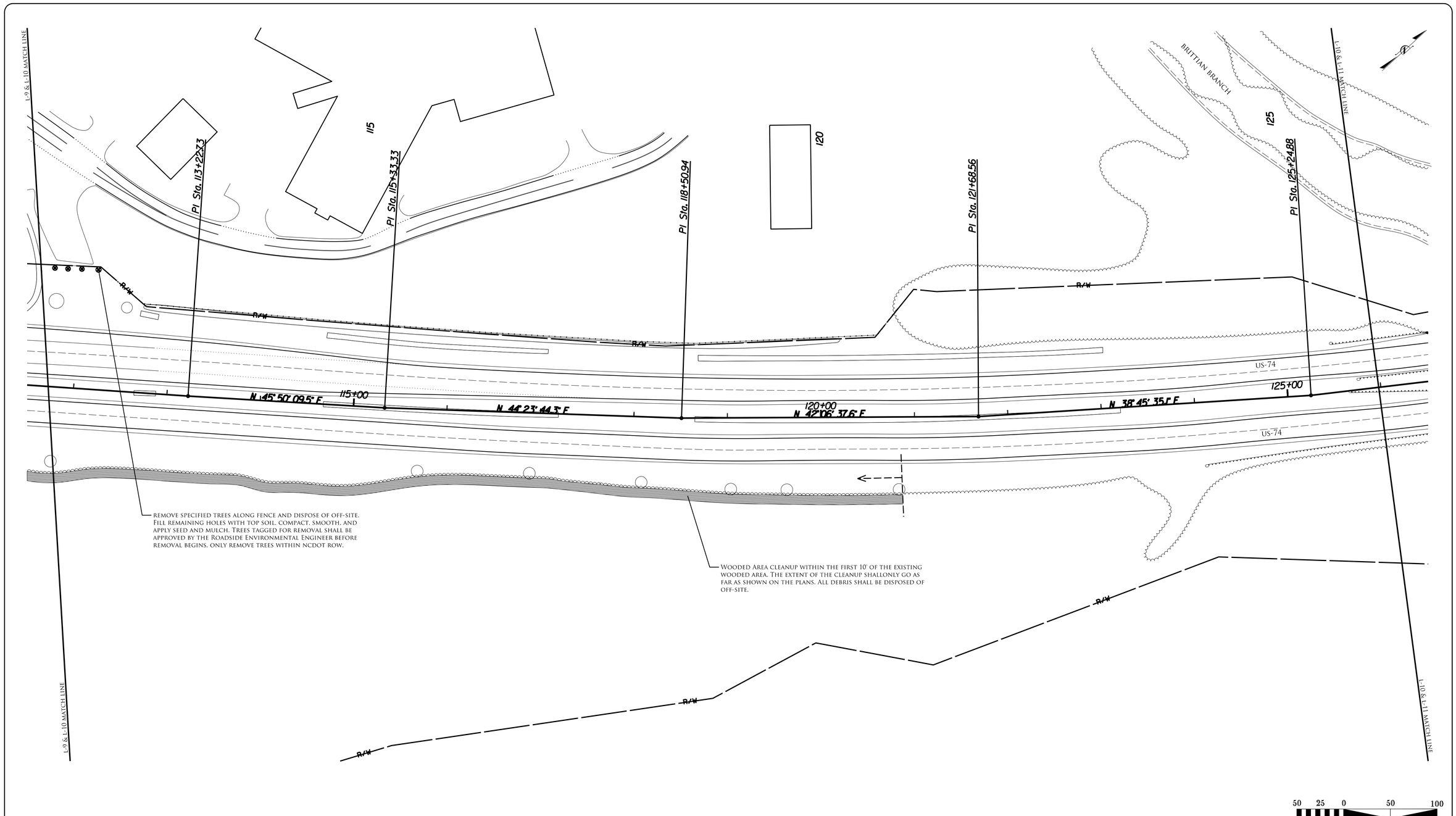
TOTAL SHEET NO :	L–27



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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/

US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2066 STEVEN K. COOPER
DocuSigned by:
9A0F7FEEAA0F4B...

REU. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	DEMOLITION PLAN
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE :	OCTOBER 2018	

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
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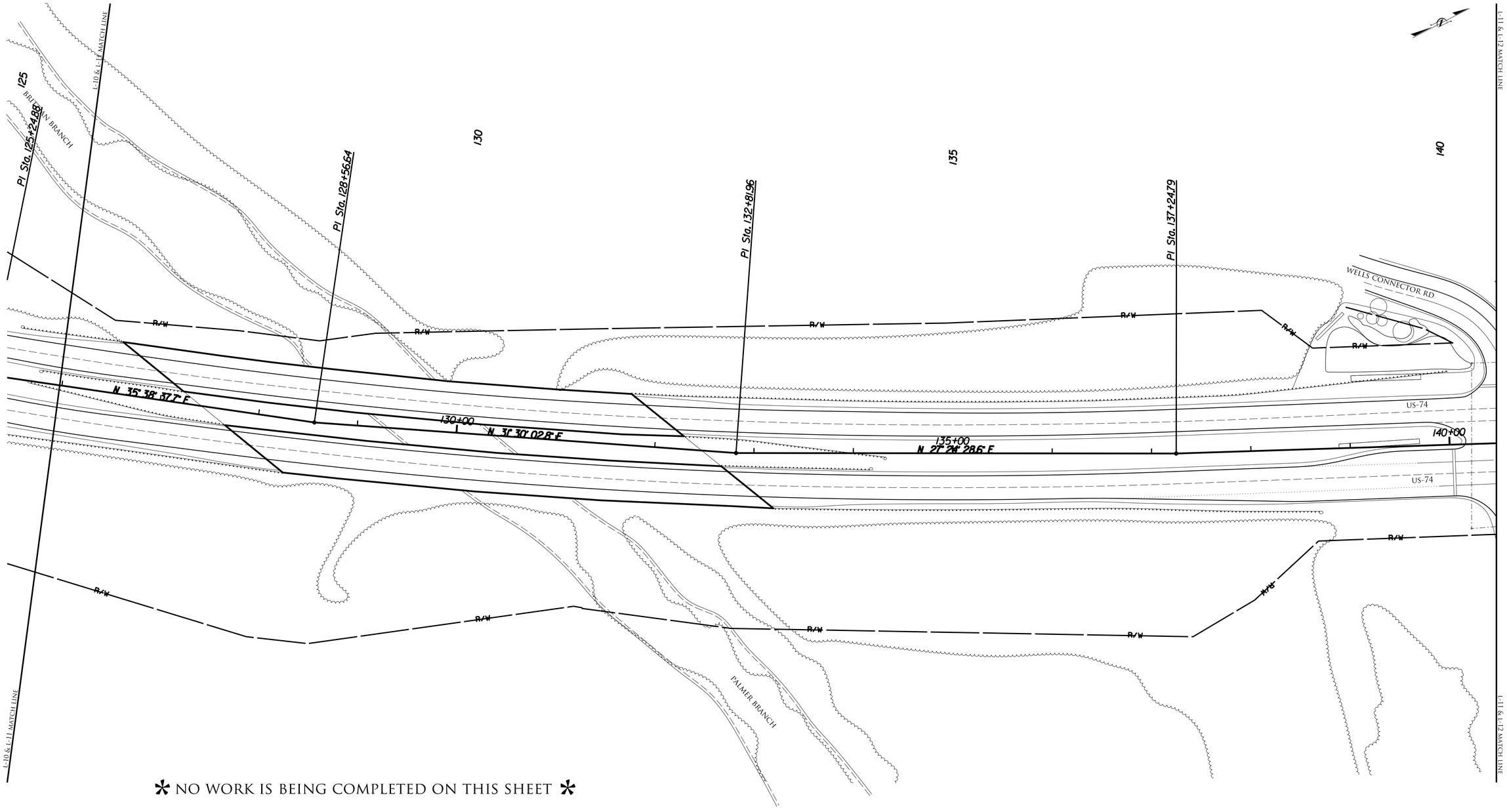
TOTAL SHEET NO :	L–27



✻ NO WORK IS BEING COMPLETED ON THIS SHEET ✻

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LANDSCAPE DESIGN & DEVELOPMENT
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HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP CHIEF ENG/ROADSIDE/

US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2008 STEVEN K. COOPER
DocuSigned by: 9B4F2E5EA8C0...

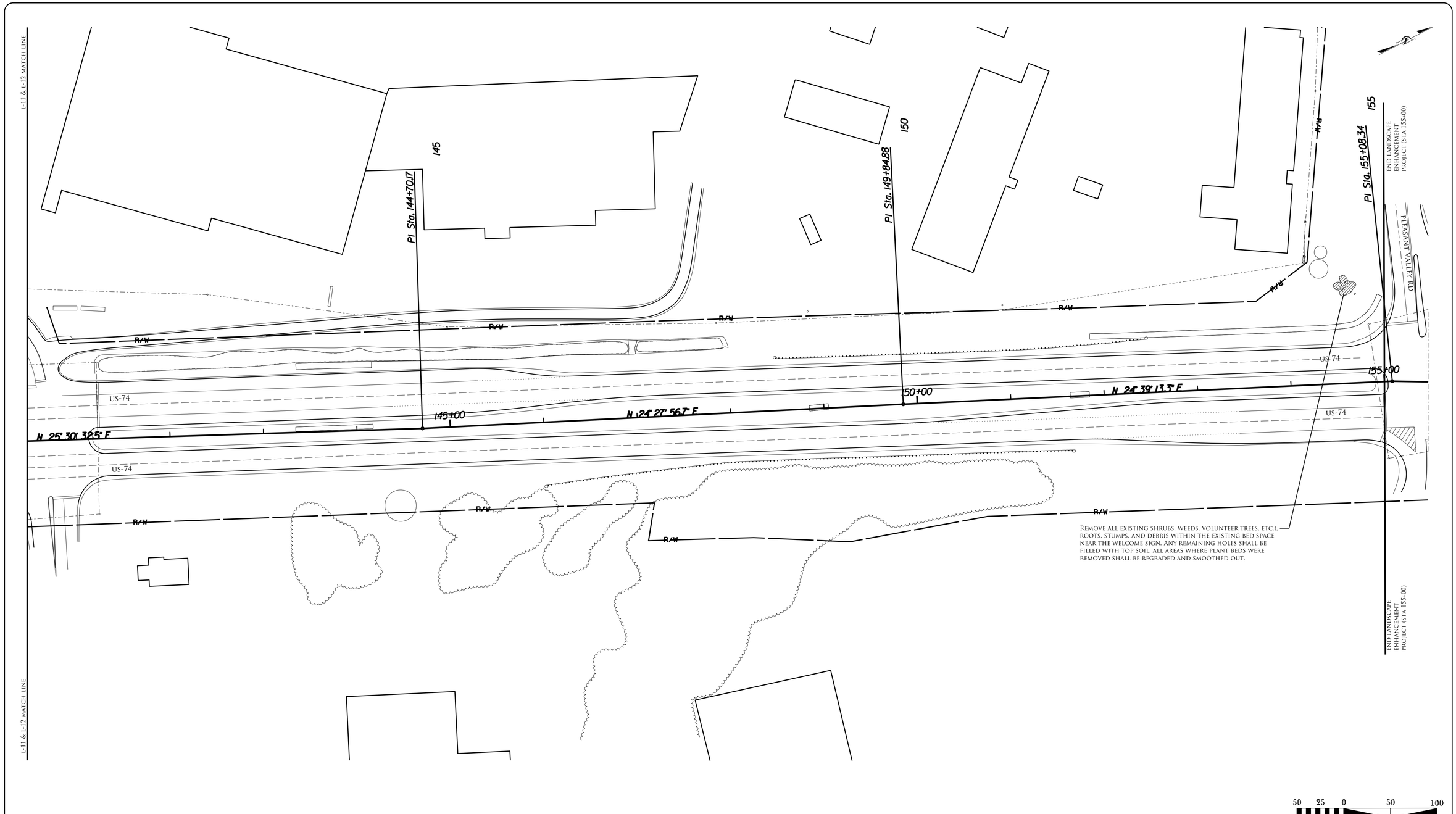
REU. DESIGNER: Kylie Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	DEMOLITION PLAN
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE :	OCTOBER 2018	

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
SHEET NO :	TOTAL SHEET NO :
L-11	L-27



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/

US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA LANDSCAPE ARCHITECT 2006 STEVEN K. COOPER
DocuSigned by: 4/26/2018

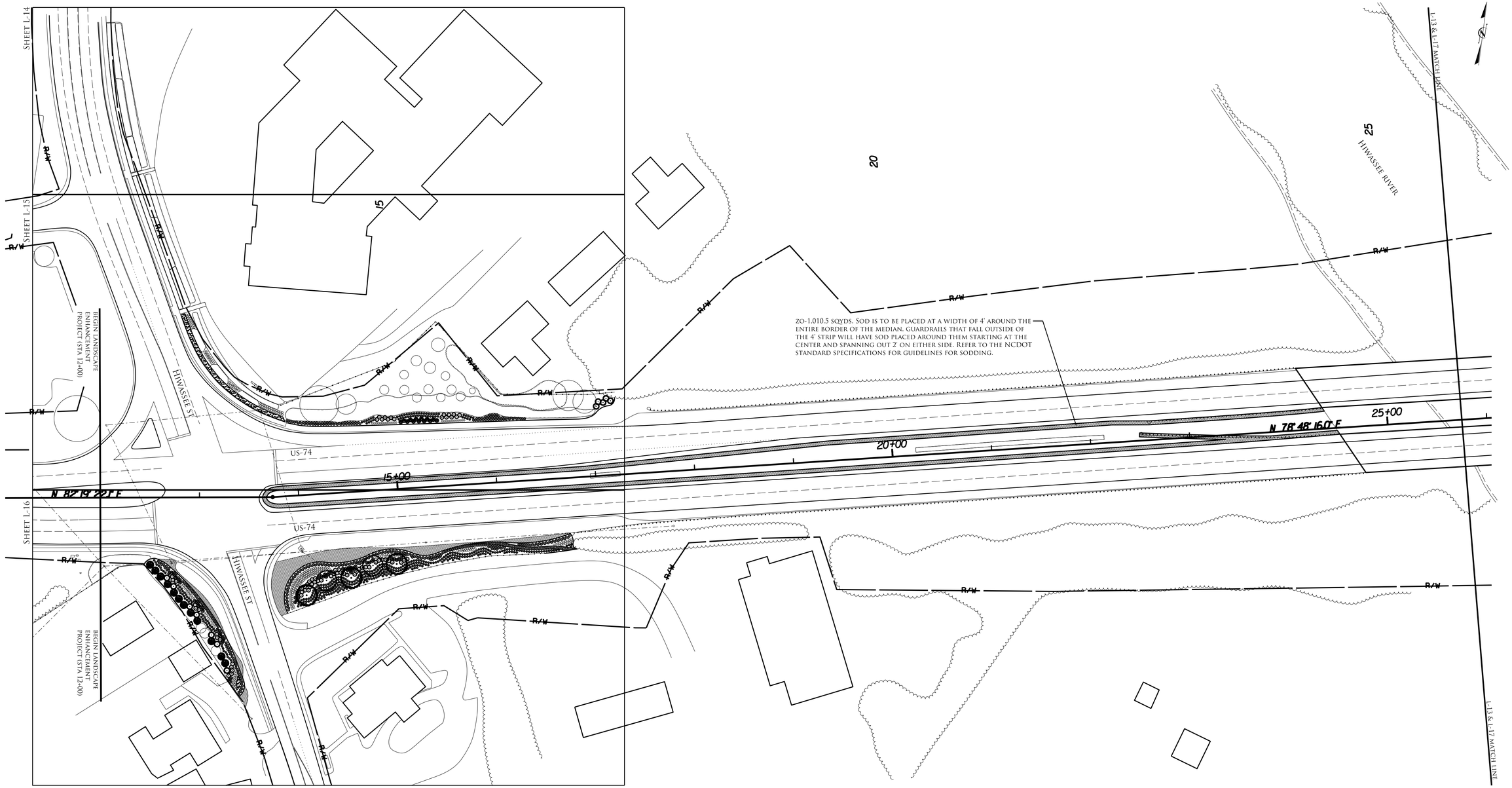
REU. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	DEMOLITION PLAN	
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET	
FINAL DESIGN DATE :	OCTOBER 2018		

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
SHEET NO :	L-12
TOTAL SHEET NO :	L-27



50 25 0 50 100

QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
1010.5 SQYDS	ZO	*ZOYSIA ZENITH*	ZENITH ZOYSIAGRASS	TIGHT SEAMS

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/

US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 2006 STEVEN K. COOPER

DocuSigned by: Kyle Cooper

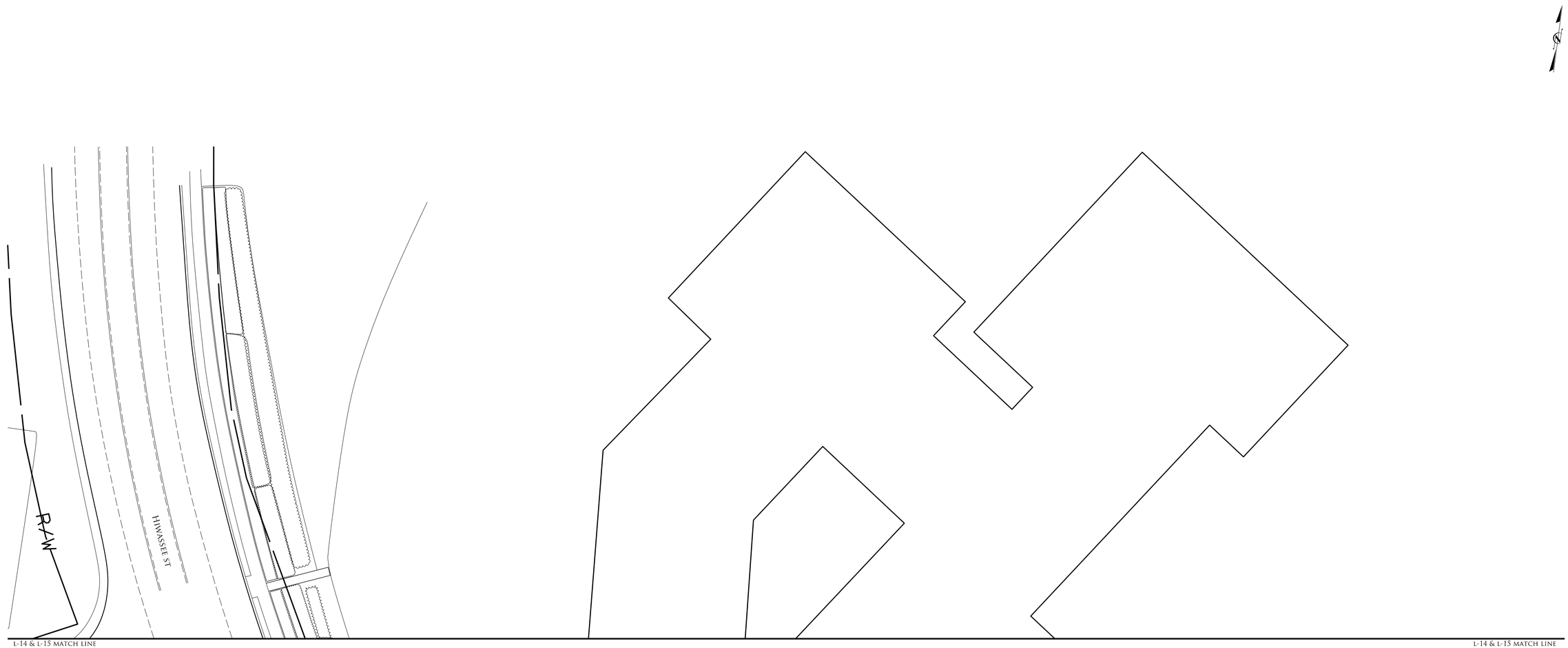
REU. DESIGNER

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	PLANTING PLAN
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE :	OCTOBER 2018	

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
SHEET NO :	L–13
TOTAL SHEET NO :	L–27



✻ NO WORK IS BEING COMPLETED ON THIS SHEET ✻

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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/

US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA LANDSCAPE ARCHITECT
DocuSigned by:
2018
LICENSE NO. 2408
STEVEN K. COOPER

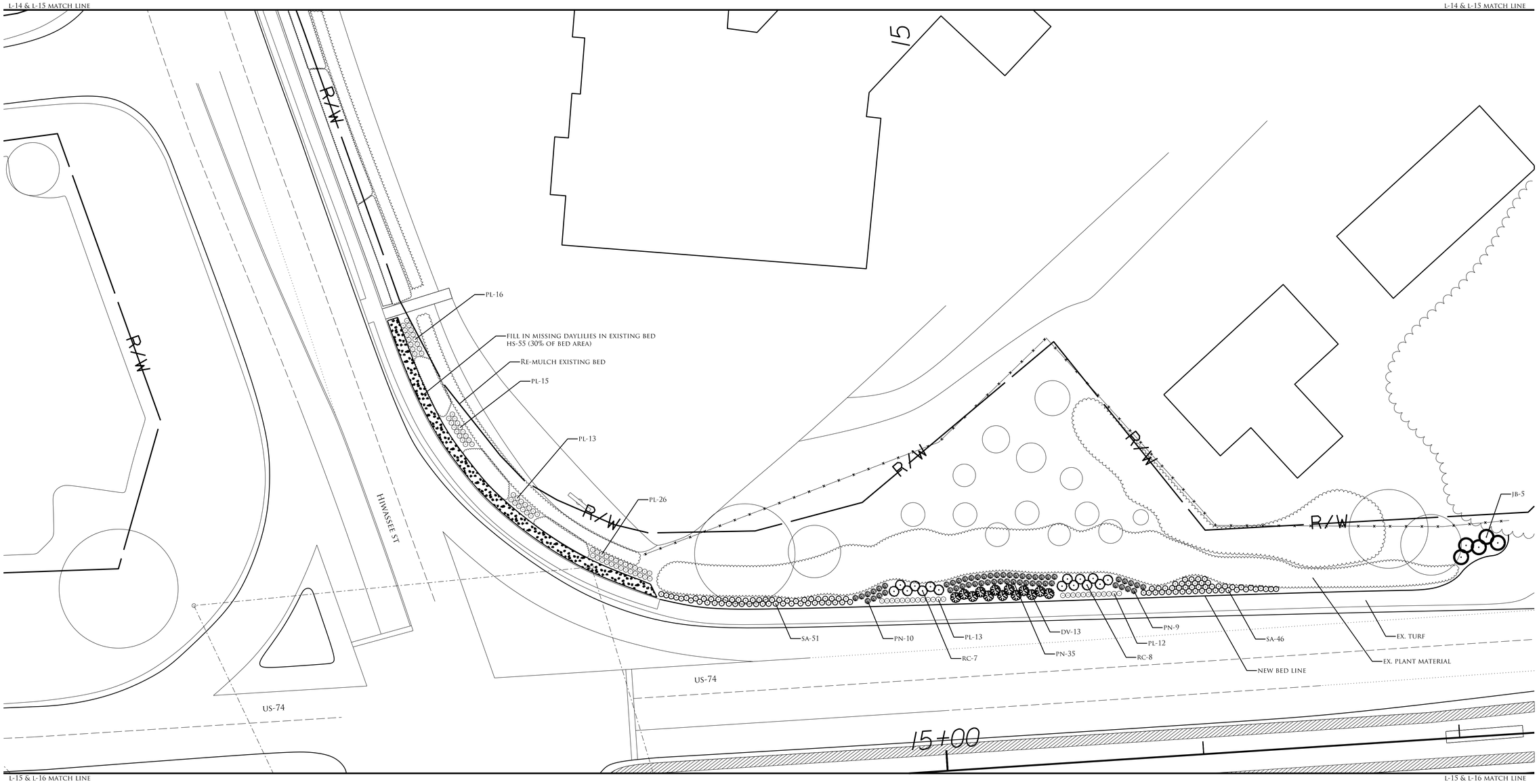
REV. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	ENLARGED PLANTING PLAN
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE :	OCTOBER 2018	

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
SHEET NO :	TOTAL SHEET NO :
L–14	L–27



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
13	DV	*DISTYLIUM 'VINTAGE JADE'*	VINTAGE JADE DISTYLIUM	3.5' O.C.
55	HS	*HEMEROCALLIS 'STELLA DE ORO'*	STELLA DE ORO DAYLILY	2' O.C.
5	JB	*JUNIPERUS VIRGINIANA 'BRODIE'*	BRODIE EASTERN RED CEDAR	5' O.C.
96	PL	*PEROVSKIA ATRIPLICIFOLIA 'LITTLE SPIRE'*	LITTLE SPIRE RUSSIAN SAGE	2' O.C.
54	PN	*PANICUM VIRGATUM 'NORTHWIND'*	NORTHWIND SWITCH GRASS	2.5' O.C.
15	RC	*RHODODENDRON 'CONLEC'*	ENCORE® AUTUMN ROYALTY® AZALEA	3.5' O.C.
97	SA	*SEDUM SPECTABILE 'AUTUMN JOY'*	AUTUMN JOY SEDUM	2' O.C.

20 10 0 20 40

NCDOT - ROADSIDE ENVIRONMENTAL UNIT
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US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2008 STEVEN K. COOPER
DocuSigned by:
PROFESSIONAL SEAL & SIGNATURE

REQ. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	ENLARGED PLANTING PLAN
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE :	OCTOBER 2018	

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
SHEET NO :	L–15
TOTAL SHEET NO :	L–27

QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
3	CC	*CERCIS CANADENSIS 'FOREST PANSY'*	FOREST PANSY REDBUD	AS SHOWN
2	CW	*CERCIS CANADENSIS F. ALBA 'ROYAL WHITE'*	ROYAL WHITE REDBUD	AS SHOWN
9	HS	*HEMEROCALLIS 'STELLA DE ORO'*	STELLA DE ORO DAYLILY	2' O.C.
12	IN	*ILEX X 'NELLIE R. STEVENS'*	NELLIE R. STEVENS HOLLY	AS SHOWN
7	JB	*JUNIPERUS VIRGINIANA 'BRODIE'*	BRODIE EASTERN RED CEDAR	5' O.C.
194	PL	*PEROVSKIA ATRIPLICIFOLIA 'LITTLE SPIRE'*	LITTLE SPIRE RUSSIAN SAGE	2' O.C.
376	PN	*PANICUM VIRGATUM 'NORTHWIND'*	NORTHWIND SWITCH GRASS	2.5' O.C.
52	RC	*RHODODENDRON 'CONLEC'*	ENCORE® AUTUMN ROYALTY® AZALEA	3.5' O.C.
60	RR	*RHODODENDRON 'ROBLEX'*	ENCORE® AUTUMN LILY® AZALEA	2.5' O.C.
274	SA	*SEDUM SPECTABILE 'AUTUMN JOY'*	AUTUMN JOY SEDUM	2' O.C.
335 SQYDS	ZO	*ZOYSIA 'ZENITH'*	ZENITH ZOYSIAGRASS	TIGHT SEAMS

NCDOT - ROADSIDE ENVIRONMENTAL UNIT
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1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
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US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2008 STEVEN K. COOPER
DocuSigned by: 8B1A7ZSEA0B4B0...

REU. DESIGNER: Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	ENLARGED PLANTING PLAN	T.I.P. # ER-5600
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET	WBS # 46305.3.57
FINAL DESIGN DATE :	OCTOBER 2018		FED I.D. # STBG-0074(219)
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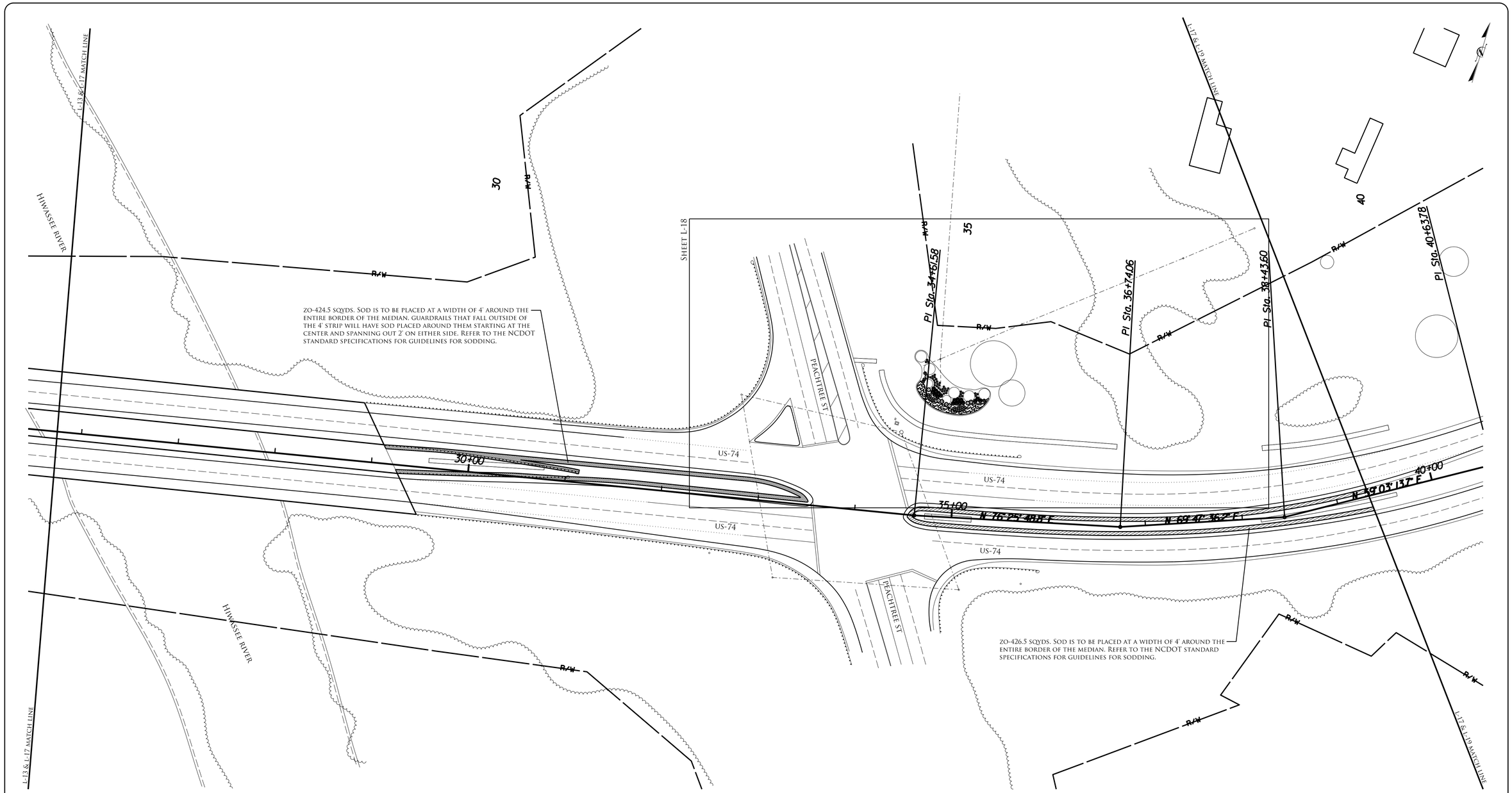
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION



50 25 0 50 100

QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
851 SQYDS	ZO	*ZOYSIA 'ZENITH'*	ZENITH ZOYSIAGRASS	TIGHT SEAMS

NCDOT - ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT
1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
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US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 2086 SYLVEN K. COOPER
DocuSigned by:
REGISTERED LANDSCAPE ARCHITECT

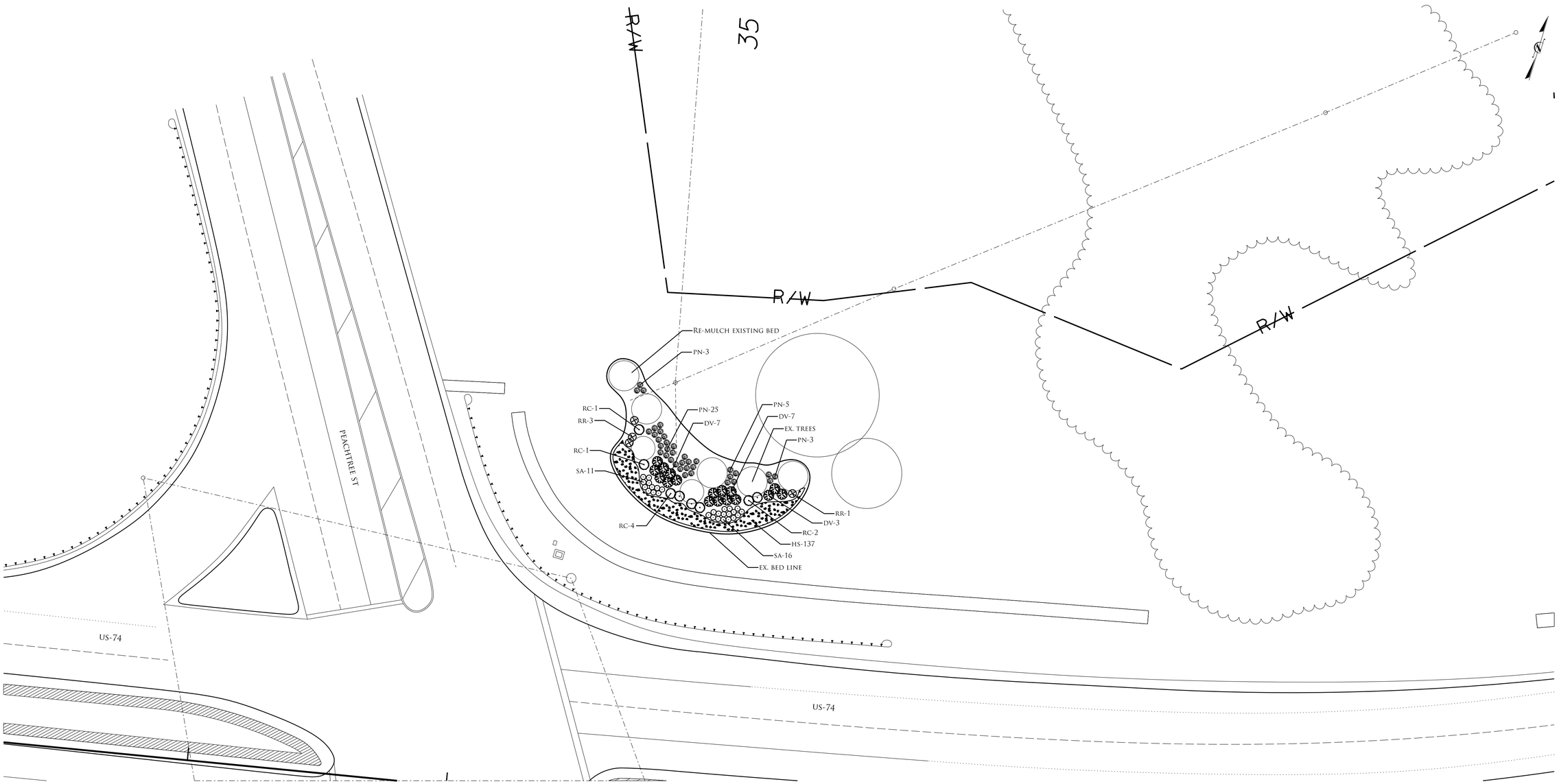
REU. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	PLANTING PLAN	T.I.P. # ER-5600
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET	WBS # 46305.3.57
FINAL DESIGN DATE :	OCTOBER 2018		FED I.D. # STBG-0074(219)

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SHEET NO : L–17
TOTAL SHEET NO : L–27



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
17	DV	*DISTYLIUM 'VINTAGE JADE'*	VINTAGE JADE DISTYLIUM	3.5' O.C.
137	HS	*HEMEROCALLIS 'STELLA DE ORO'*	STELLA DE ORO DAYLILY	2' O.C.
36	PN	*PANICUM VIRGATUM 'NORTHWIND'*	NORTHWIND SWITCH GRASS	2.5' O.C.
8	RC	*RHODODENDRON 'CONLEC'*	ENCORE' AUTUMN ROYALTY' AZALEA	3.5' O.C.
4	RR	*RHODODENDRON 'ROBLEX'*	ENCORE' AUTUMN LILY' AZALEA	2.5' O.C.
27	SA	*SEDUM SPECTABILE 'AUTUMN JOY'*	AUTUMN JOY SEDUM	2' O.C.

20 10 0 20 40

NCDOT - ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT
1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
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HTTP://WWW.NCDOT.GORG/DOH/OPERATIONS/DP CHIEF ENG/ROADSIDE/

US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

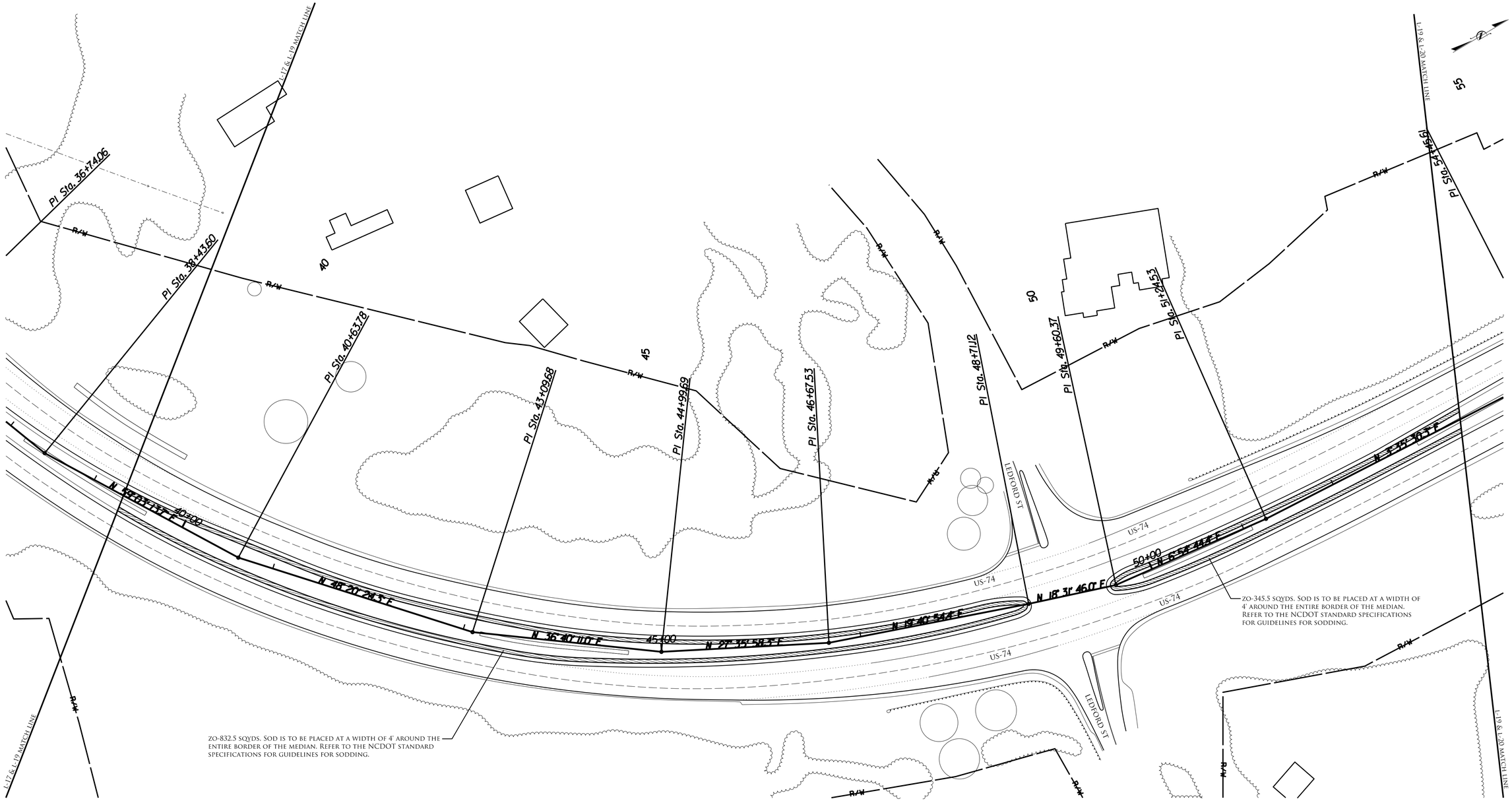
NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2008 STEVEN K. COOPER
DocuSigned by:
Steven K. Cooper

REU. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	ENLARGED PLANTING PLAN	T.I.P. # ER-5600
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET	WBS # 46305.3.57
FINAL DESIGN DATE :	OCTOBER 2018		FED I.D. # STBG-0074(219)
			SHEET NO : L–18 / TOTAL SHEET NO : L–27

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
1178 SQYDS	ZO	*ZOYSIA 'ZENITH'*	ZENITH ZOYSIAGRASS	TIGHT SEAMS

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/

US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 2008 STEVEN K. COOPER

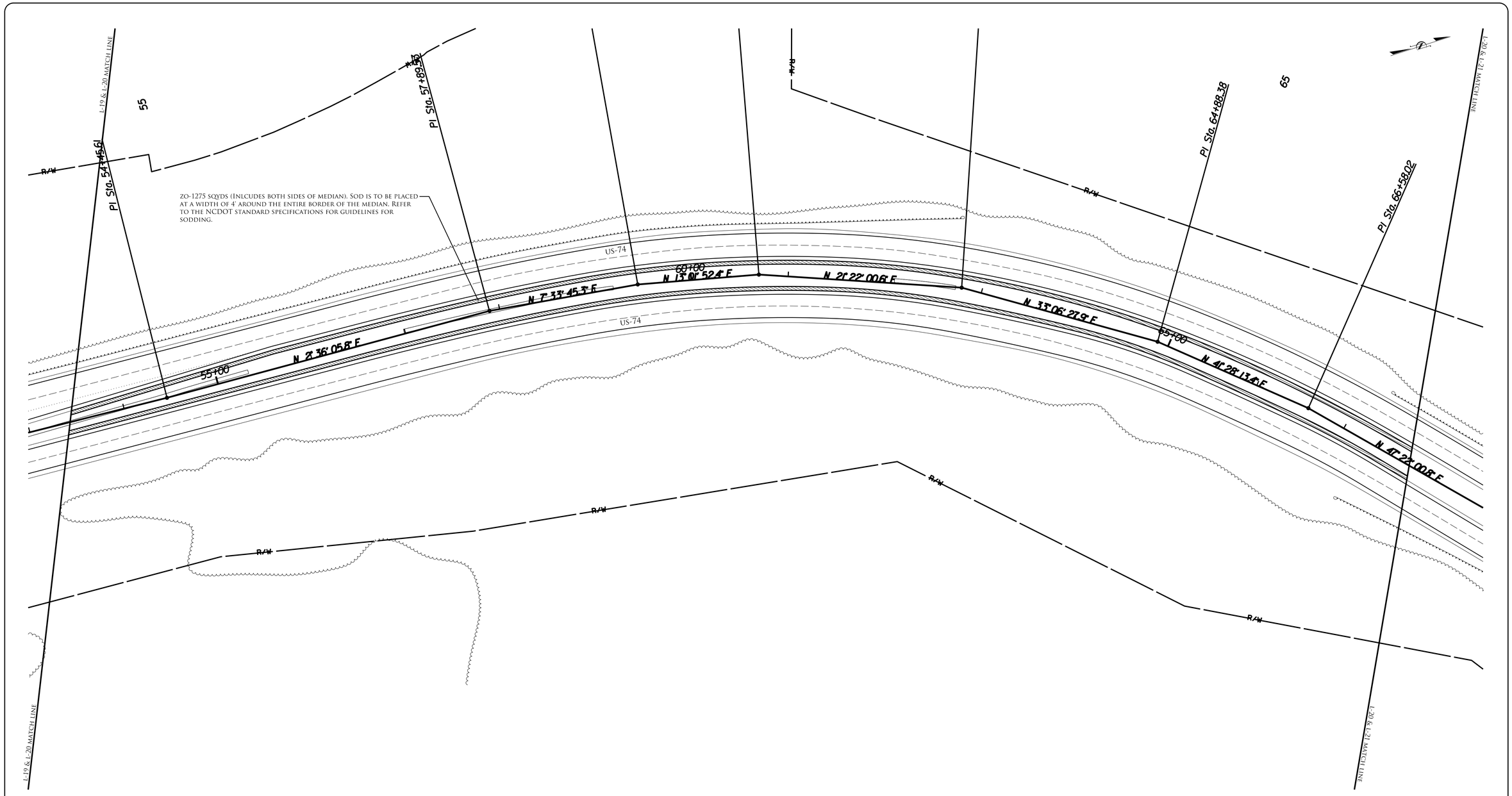
REU. DESIGNER: Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	PLANTING PLAN
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE :	OCTOBER 2018	

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
SHEET NO :	L–19
TOTAL SHEET NO :	L–27



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QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
1275 SQYDS	ZO	*ZOYSIA 'ZENITH'*	ZENITH ZOYSIAGRASS	TIGHT SEAMS

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LANDSCAPE DESIGN & DEVELOPMENT
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PH: 919-707-2935 FAX: 919-715-2554
HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP CHIEF ENG/ROADSIDE/

US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2008 DocuSigned by: Kyle Cooper 9/14/2018 KYLE K. COOPER

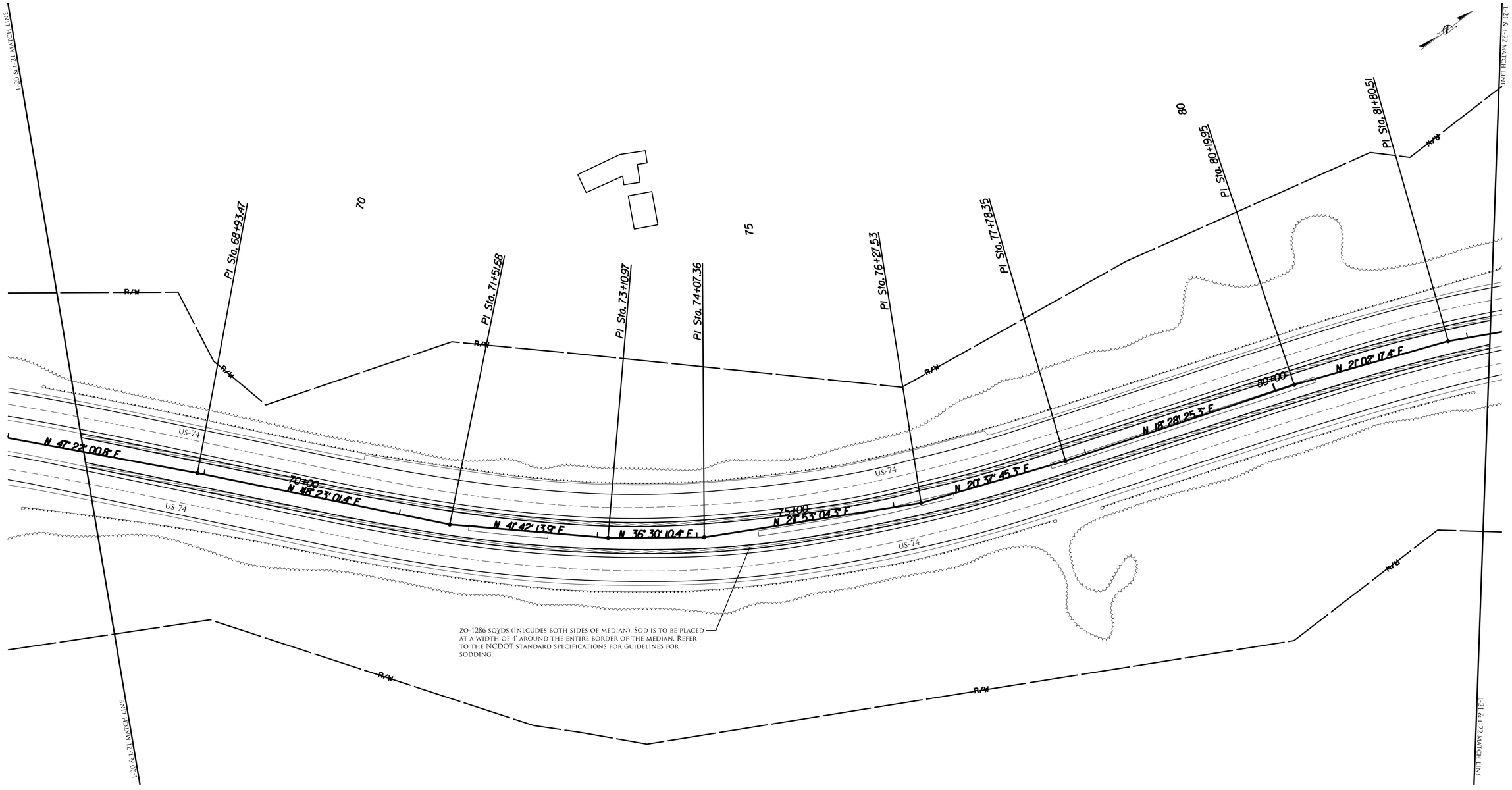
REU. DESIGNER: Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	PLANTING PLAN	
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET	
FINAL DESIGN DATE :	OCTOBER 2018		

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
SHEET NO :	TOTAL SHEET NO :
L–20	L–27



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
1286 SQYDS	ZO	*ZOYSIA 'ZENITH'*	ZENITH ZOYSIAGRASS	TIGHT SEAMS

NCDOT - ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT
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US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2008 STEVEN K. COOPER

DocuSigned by: Steven K. Cooper 9/11/2018 | 1:13 PM EDT

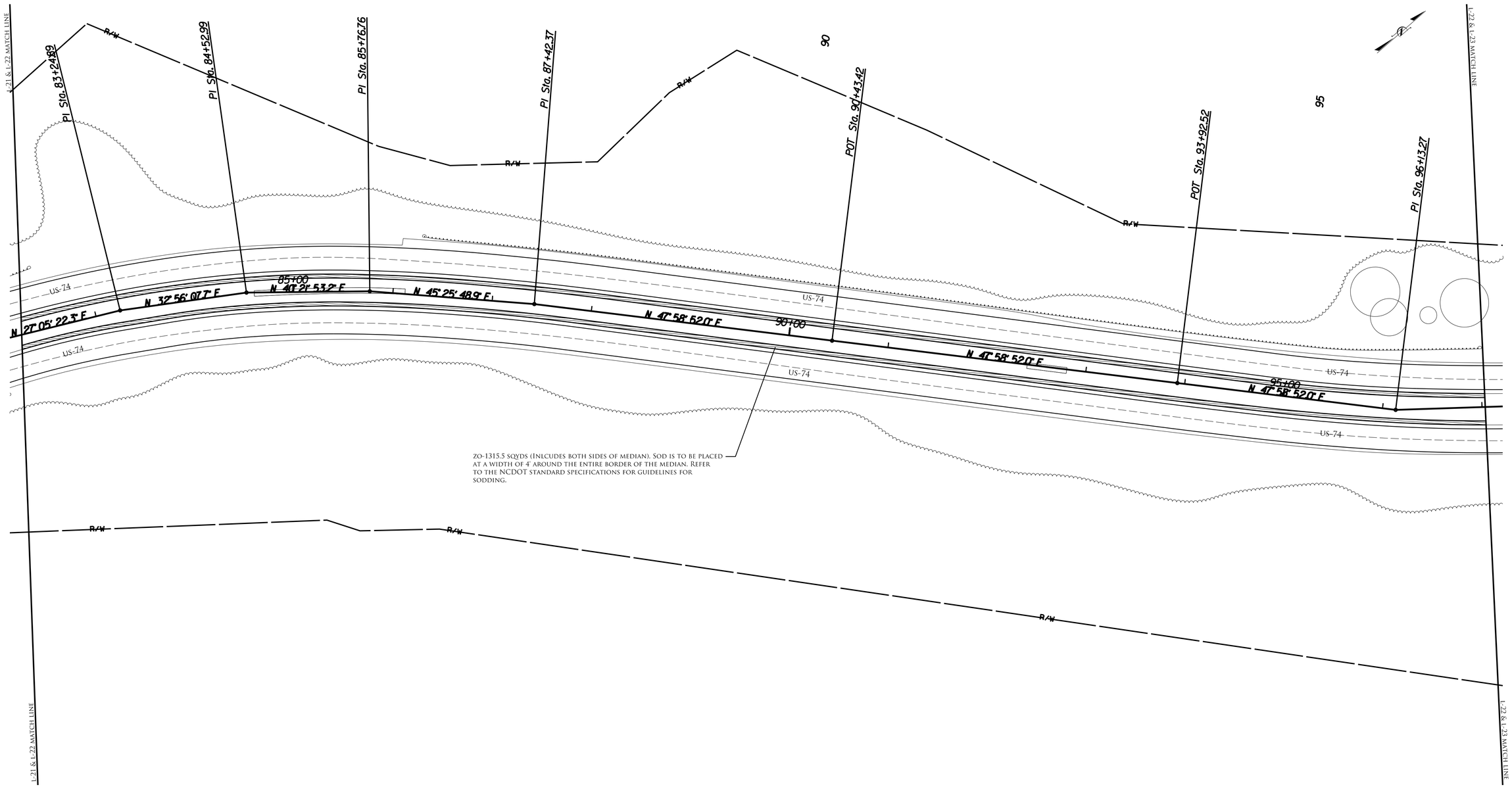
REU. DESIGNER: Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	PLANTING PLAN	
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET	
FINAL DESIGN DATE :	OCTOBER 2018		

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
SHEET NO :	L–21
TOTAL SHEET NO :	L–27



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
1315.5 SQYDS	ZO	*ZOYSIA 'ZENITH'*	ZENITH ZOYSIAGRASS	TIGHT SEAMS

NCDOT - ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT
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HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP CHIEF ENG/ROADSIDE/

US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

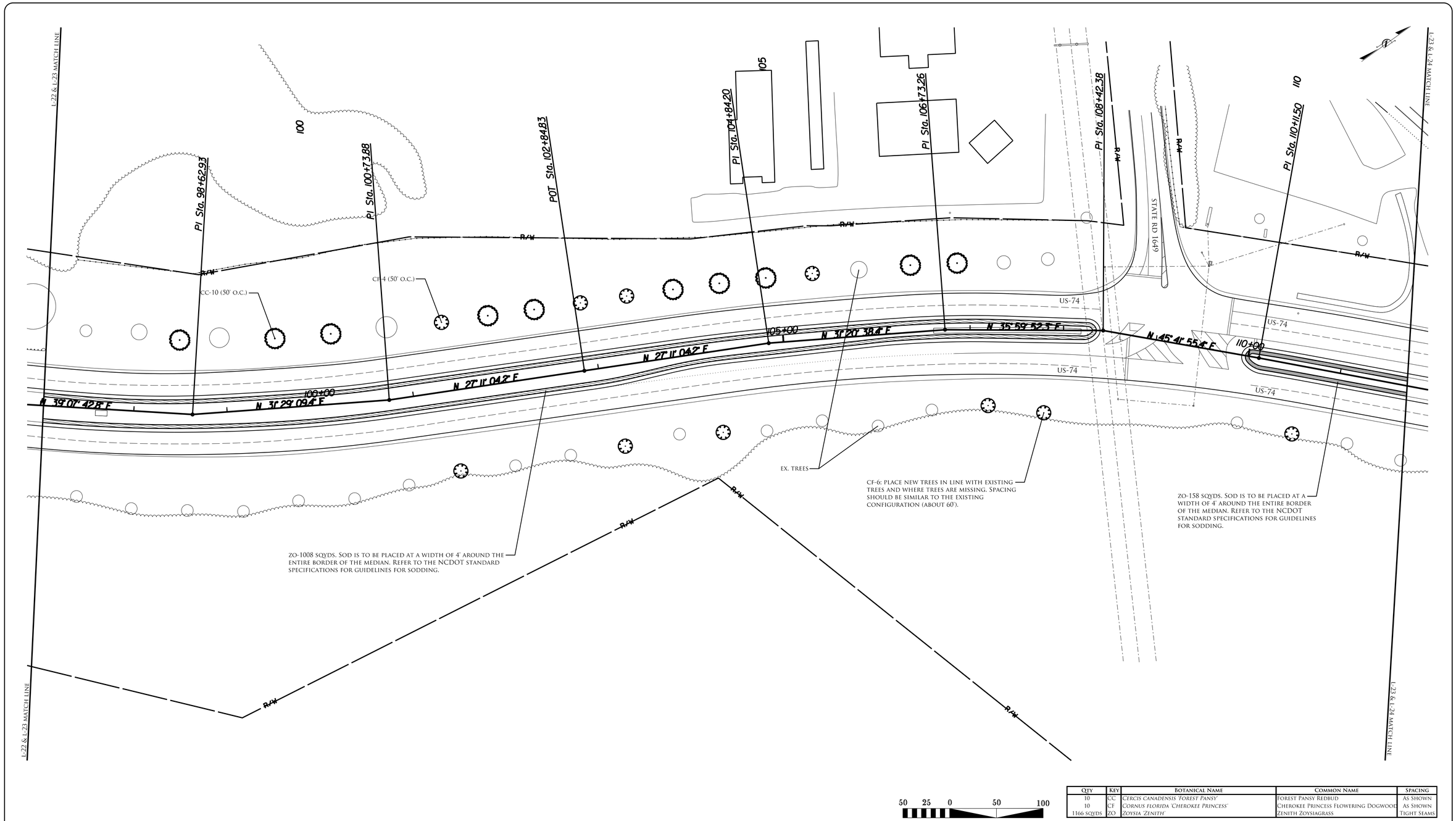
NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2008 STEVEN K. COOPER
DocuSigned by: 9/18/2018 | 7:25:54 AM PDT

REU. DESIGNER: Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	PLANTING PLAN	T.I.P. # ER-5600
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET	WBS # 46305.3.57
FINAL DESIGN DATE :	OCTOBER 2018		FED I.D. # STBG-0074(219)
			SHEET NO : L–22 / TOTAL SHEET NO : L–27

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
10	CC	*CERCIS CANADENSIS 'FOREST PANSY'*	FOREST PANSY REDBUD	AS SHOWN
10	CF	*CORNUS FLORIDA 'CHEROKEE PRINCESS'*	CHEROKEE PRINCESS FLOWERING DOGWOOD	AS SHOWN
1166 SQYDS	ZO	*ZOYSIA 'ZENITH'*	ZENITH ZOYSIAGRASS	TIGHT SEAMS

NCDOT - ROADSIDE ENVIRONMENTAL UNIT
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US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2088 STEVEN K. COOPER
DocuSigned by:
REGISTRATION NUMBER

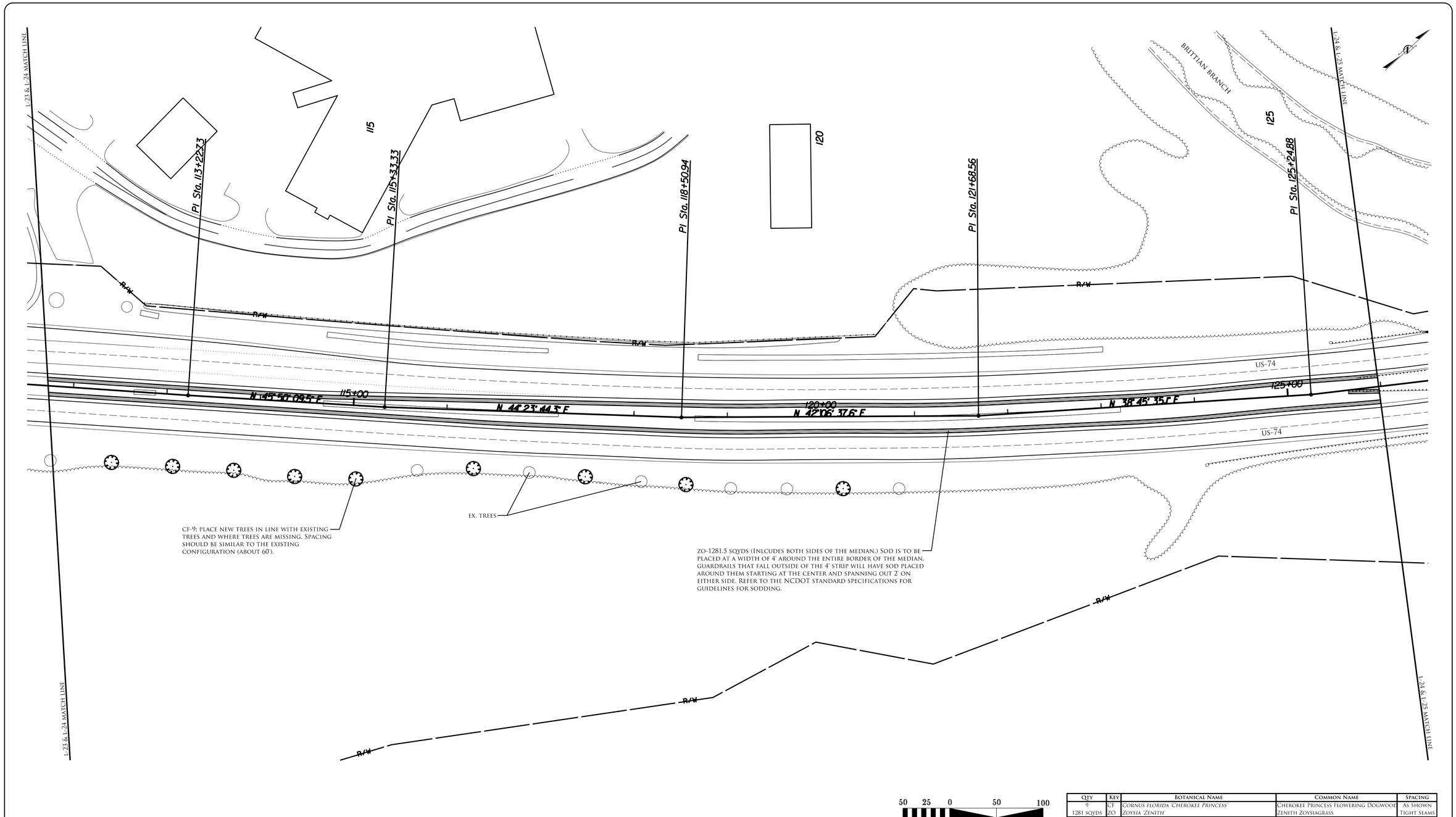
REU. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	PLANTING PLAN
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE :	OCTOBER 2018	

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
SHEET NO :	TOTAL SHEET NO :
L–23	L–27



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
9	CF	*CORNUS FLORIDA 'CHEROKEE PRINCESS'*	CHEROKEE PRINCESS FLOWERING DOGWOOD	AS SHOWN
1281 SQYDS	ZO	*ZOYSIA 'ZENITH'*	ZENITH ZOYSIAGRASS	TIGHT SEAMS

NCDOT - ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT
1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
PH: 919-707-2935 FAX: 919-715-2554
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US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2006 STEVEN K. COOPER
DocuSigned by:
Steven K. Cooper
2/25/2019 | 10:05 AM PST

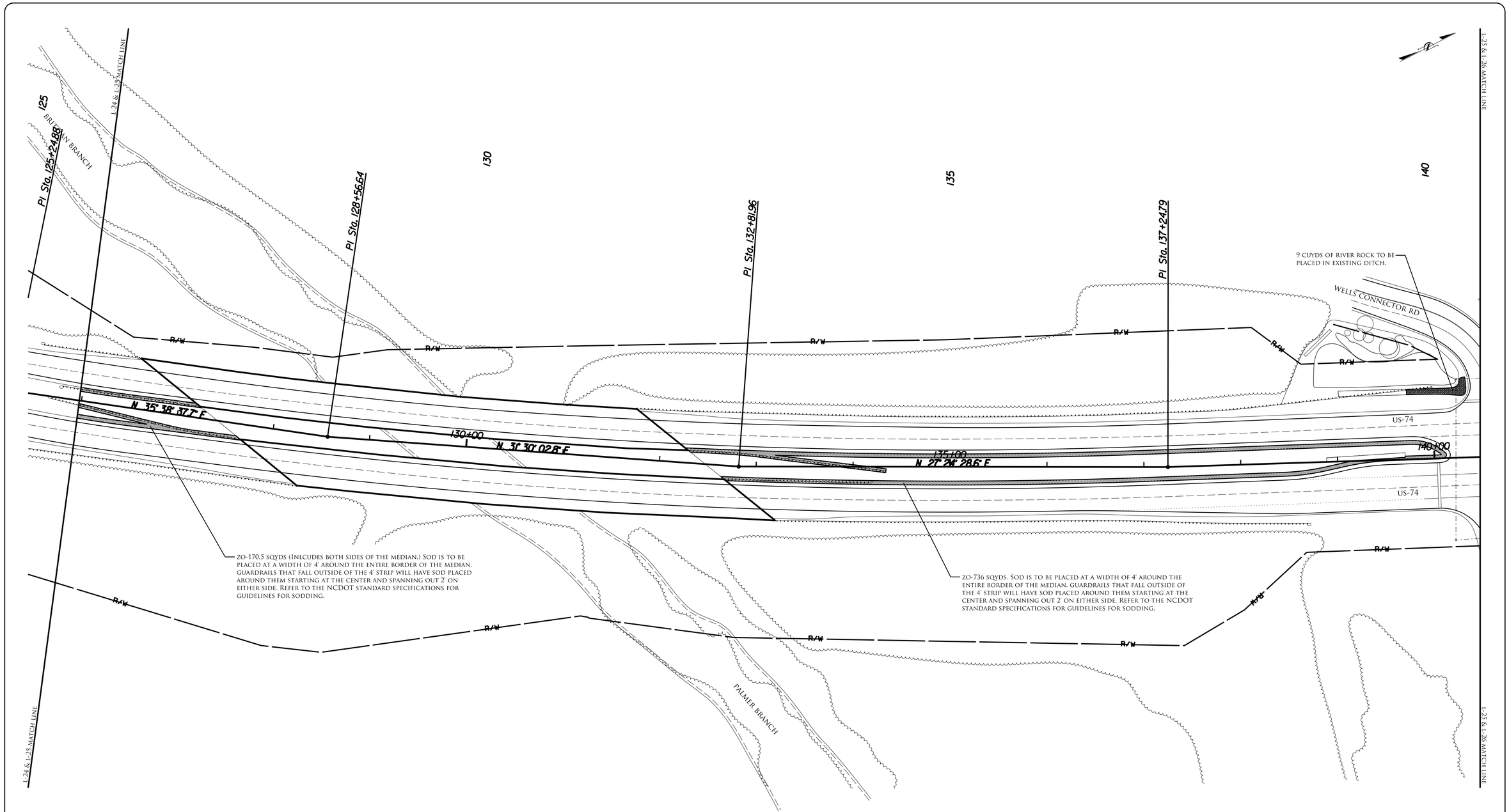
REU. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	PLANTING PLAN	
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET	
FINAL DESIGN DATE :	OCTOBER 2018		

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
SHEET NO :	L–24
TOTAL SHEET NO :	L–27



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
906.5 SQYDS	ZO	*ZOYSIA 'ZENITH'*	ZENITH ZOYSIAGRASS	TIGHT SEAMS

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/

US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 2008 STEVEN K. COOPER
DocuSigned by: Kyle Cooper

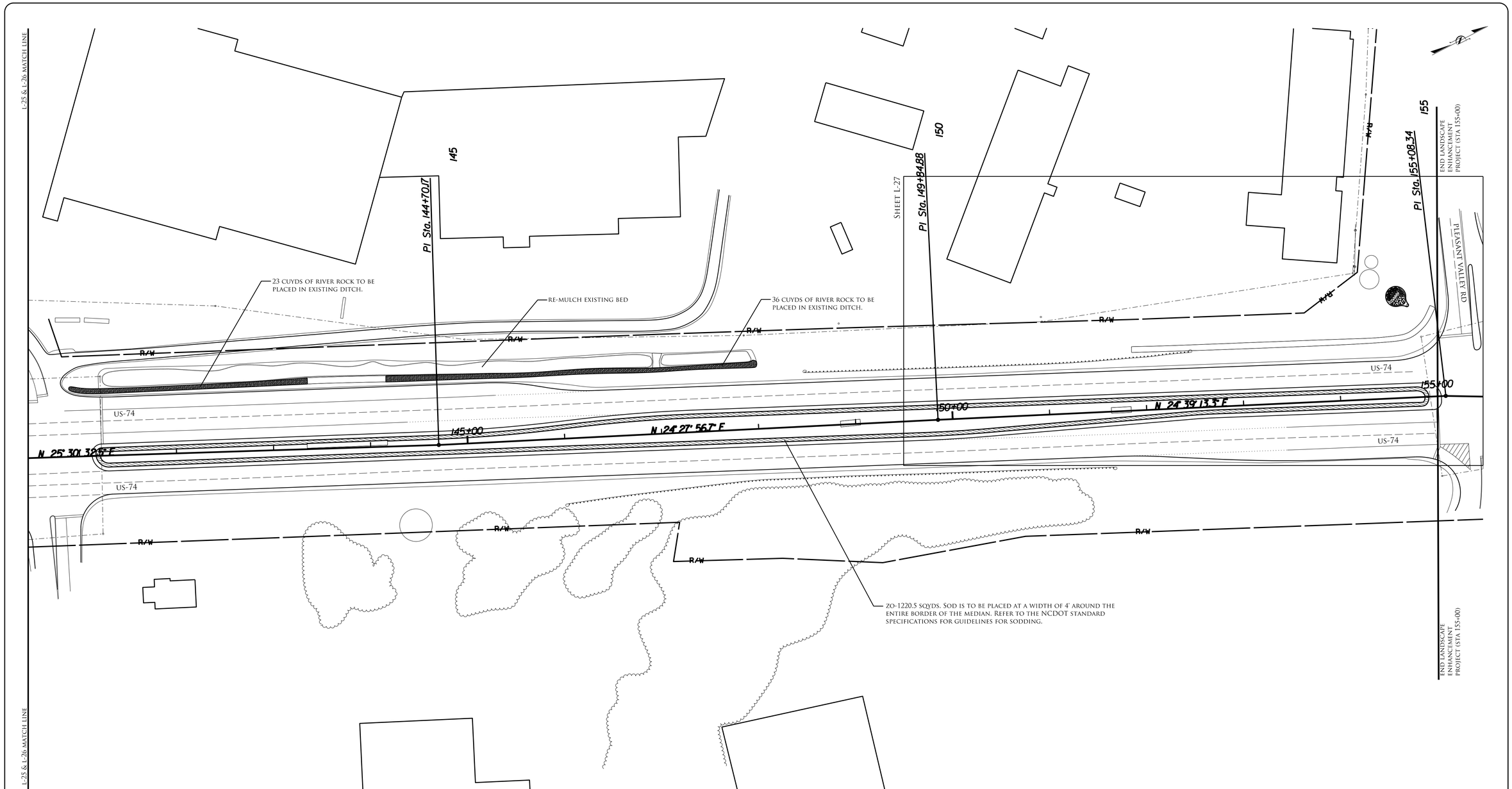
REU. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	PLANTING PLAN
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE :	OCTOBER 2018	

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
SHEET NO :	TOTAL SHEET NO :
L–25	L–27



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
1220.5 SQYDS	ZO	*ZOYSIA 'ZENITH'*	ZENITH ZOYSIAGRASS	TIGHT SEAMS

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/

US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 2006 STEVEN K. COOPER
DocuSigned by: 12/17/2018 10:09:00 AM PDT

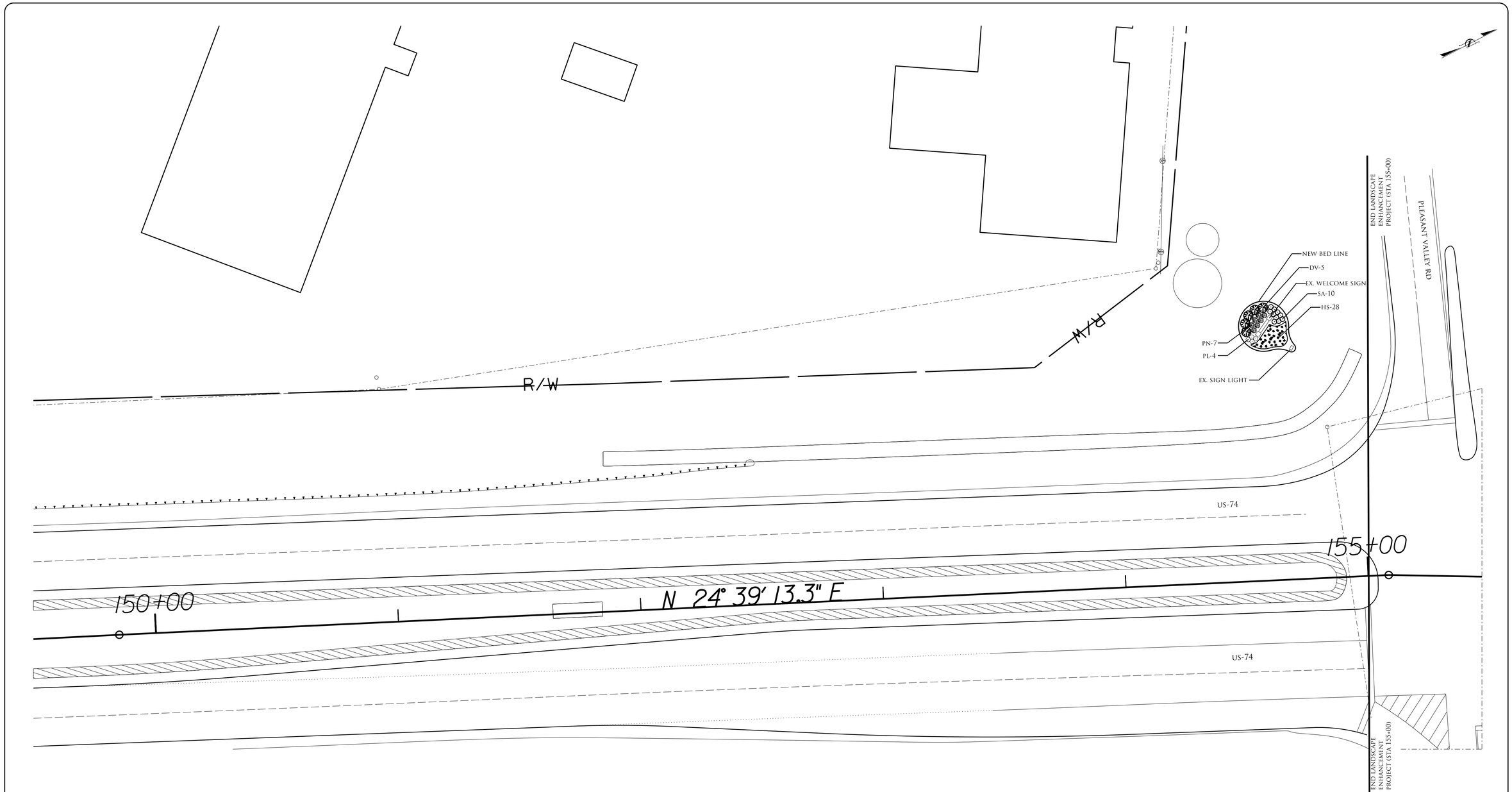
REU. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	PLANTING PLAN	
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET	
FINAL DESIGN DATE :	OCTOBER 2018		

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
SHEET NO :	L–26
TOTAL SHEET NO :	L–27



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
5	DV	*DISTYLIUM 'VINTAGE JADE'*	VINTAGE JADE DISTYLIUM	3.5' O.C.
28	HS	*HEMEROCALLIS 'STELLA DE ORO'*	STELLA DE ORO DAYLILY	2' O.C.
4	PL	*PEROVSKIA ATRIPLICIFOLIA 'LITTLE SPIRE'*	LITTLE SPIRE RUSSIAN SAGE	2' O.C.
7	PN	*PANICUM VIRGATUM 'NORTHWIND'*	NORTHWIND SWITCH GRASS	2.5' O.C.
10	SA	*SEDUM SPECTABILE 'AUTUMN JOY'*	AUTUMN JOY SEDUM	2' O.C.

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US 74 IN MURPHY
CHEROKEE COUNTY
WBS #: 46305.3.57

NORTH CAROLINA LICENSED LANDSCAPE ARCHITECT 2008 STEVEN K. COOPER
DocuSigned by: Steven K. Cooper
PROFESSIONAL

REU. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE :	MARCH 2018	ENLARGED PLANTING PLAN
CHECKED BY & DATE :	- - - - -	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE :	OCTOBER 2018	

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

T.I.P. #	ER-5600
WBS #	46305.3.57
FED I.D. #	STBG-0074(219)
SHEET NO :	L–27
TOTAL SHEET NO :	L–27