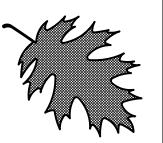
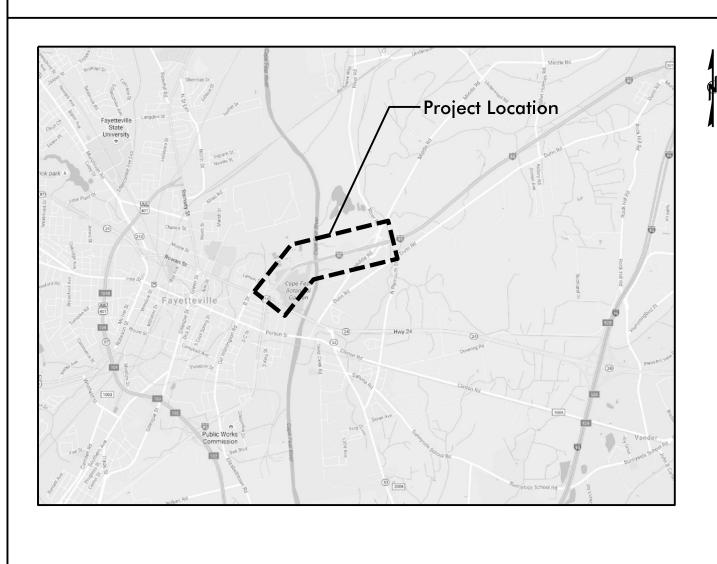


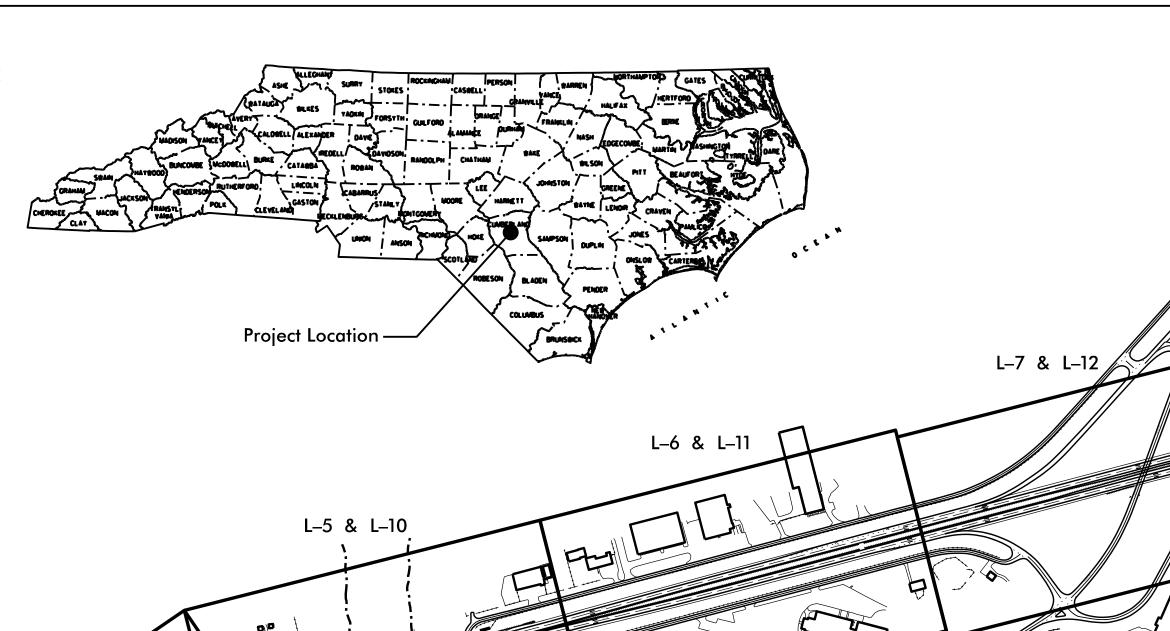
# HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



	T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
<b>.</b>	B-4091		L1	18
•	FED. PROJ. #	DESCRIPTION		DIVISION
•	_	TIP		6



L-3 & L-8





DES	SEC	QH	UNIT	NET	BOTANICAL NAME	COMINION NAME	SIZE	CALIPER	FURNISH	A.S.N.S.	REMARKS
					Trees						
L	1670	60	ea	AA	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance® Apple Serviceberry	6-7'		B&B	2.5.4	50' O.C.
L	1670	8	ea	LS	Lagerstroemia indica x fauriei 'Sioux'	Sioux Crape Myrtle	6-7'		B&B	2.5.4	50' O.C.
L	1670	38	ea	LM	Lagerstroemia x fauriei 'Miami'	Miami Crape Myrtle	6-7'		B&B	2.5	50' O.C.
L	1670	33	ea	ML	Magnolia grandiflora 'Little Gem'	Little Gem Southern Magnolia	6-7'		B&B	2.2	50' O.C.
					Grasses/Groundcovers/Perennials/Annuals						
L	1670	4175	ea	HJ	Hemerocallis 'Joan Senior'	Joan Senior Daylily	6-12"		#1 Cont.	13.2.3	2' O.C.
L	1670	4153	ea	HT	Hemerocallis 'Tuscawilla Tigress'	Tuscawilla Tigress Daylily	6-12"		#1 Cont.	13.2.3	2' O.C.
L	1670	137	ea	PC	Panicum virgatum 'Cloud Nine'	Cloud Nine Tall Switchgrass	18-24"		#1 Cont.	13.4	4' O.C.
					Other						
L	1670	396	sqyd		Existing Plant Bed Removal						<b></b>
L	1670	6.5	acre		Selective Undergrowth Removal/Wooded Area Cleanup						
L	1670	14	ea		Selective Tree Removal >6"						1
L	1670	7	ea		Selective Tree Removal >12"						1
L	1670	1	ea		Selective Tree Removal >18"						
L	1670	42	ea		Selective Tree Pruning/ Thinning						1
L	1670	8	acre	AOC	Aeration, Overseeding, and Composting	Tifway 419 Bermuda Grass					
L	1670	319	cuyd		Mulch						Depth of 4"
П	1670	267	m/g		Water for Planting						1
L	1670	32008	sqyd		Pre emergence Herbicidal Treatment						
L	1670	32008	sqyd		Post emergence Herbicidal Treatment						
L	1670	12	ea		Monthly Maintenance						
L	1670	1	ea		Irrigation						

# CONVENTIONAL SYMBOLS

	O I MIDODO
County Line	
City or Town Line	
Exist. Right of Way Line Marker	<u> </u>
Prop. Right of Way Line Marker	<del>_</del>
(By Others)	
Prop Right of Way Line Marker	
(Br. Contract)	
Exist. Control of Access Line	
Prop. Control of Access Line	
Property Line	
Easement Line	
Slope Stake Line	
Exist. Fence	<del></del>
Prop. Woven Wire Fence	0 0 0
Prop. Chain Link Fence	<del></del>
Exist. Road	
Prop. Road	
Guardrail	
Survey Line	<del></del>
Denotes Line Equality	<del></del>
Bridge	
Culvert	<del></del>
Railroad	•
Woods	
Exist. Telephone Pole	_
Tower Pole and Line	
Exist. Power Pole	<b>—</b>
Prop. Power Pole	ŏ-
Sanitary Sewer Line	→ <b>s</b> — → <b>s</b> —
Water Line	
Gas Line	
Picnic Shelter	<del></del>
Regeneration	
Reforestation	XXXXX

# INDEX OF L SHEETS:

L 1.0 - Title Sheet

L 2.0 - Planting Details

L 3.0 - L 7.0 - Demolition Plans

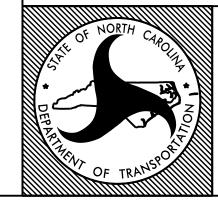
L 8.0 - L 12.0 - Design Plans

L 13.0 - L 18.0 - Irrigation Plans

PREPARED BY: KC DATE: 01/2017

REVISIONS

DATE	DESCRIPTION



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

LOCATION: US 301/ I-95 Bus. in Fayetteville

TYPE of WORK: T.I.P.

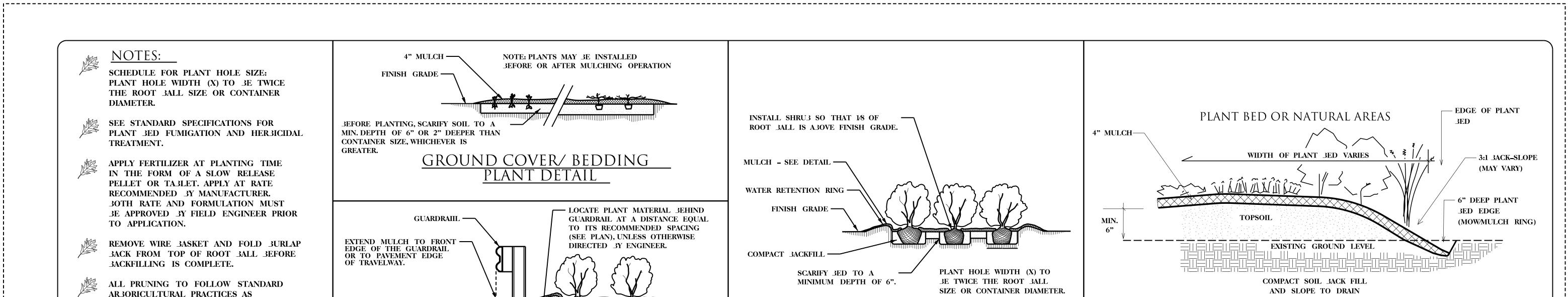
COUNTY: Cumberland County

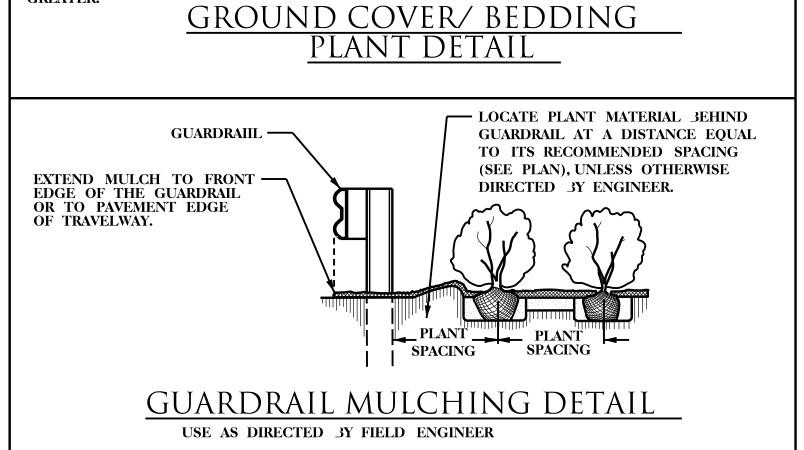
2014 American Standard for Nursery Stock 2012 NCDOT STANDARD SPECIFICATIONS

PREPARED IN THE OFFICE OF: NCDOT- ROADSIDE ENVIRONMENTAL UNIT LANDSCAPE DESIGN & DEVELOPMENT SECTION 1557 MAIL SERVICE CENTER

919-707-2920

RALEIGH NC 27699





TREE OR SHRUB PLANTING DETAIL

(LEVEL GROUND)

NOTE: PLANTS MAY BE INSTALLED

**3EFORE OR AFTER MULCHING OPERATION** 

4" MULCH —

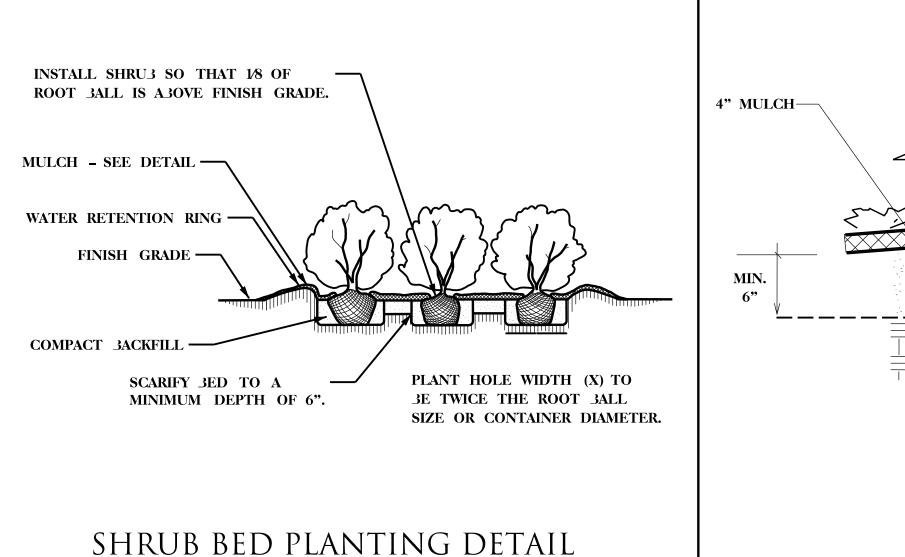
FINISH GRADE -

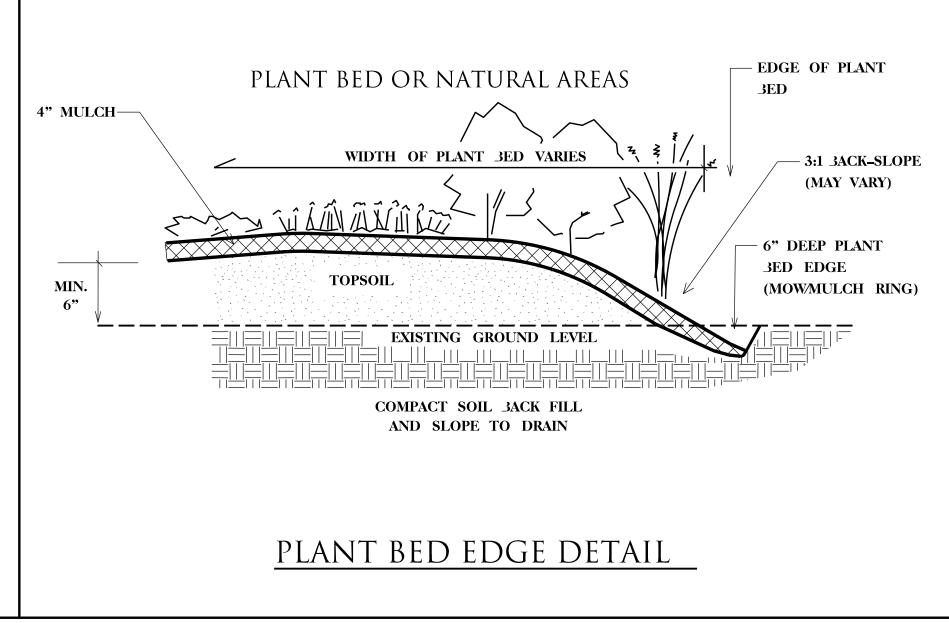
**3EFORE PLANTING, SCARIFY SOIL TO A** 

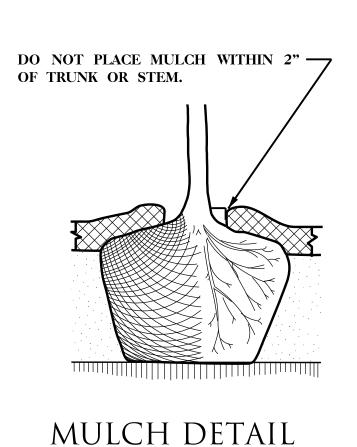
MIN. DEPTH OF 6" OR 2" DEEPER THAN

CONTAINER SIZE, WHICHEVER IS

GREATER.







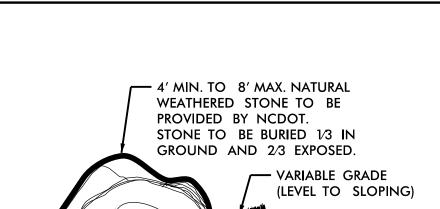
SPECIFIED 3Y INTERNATIONAL SOCIETY

DO NOT ATTEMPT TO STRAIGHTEN A TREE THAT HAS BEEN PLANTED AT AN ANGLE

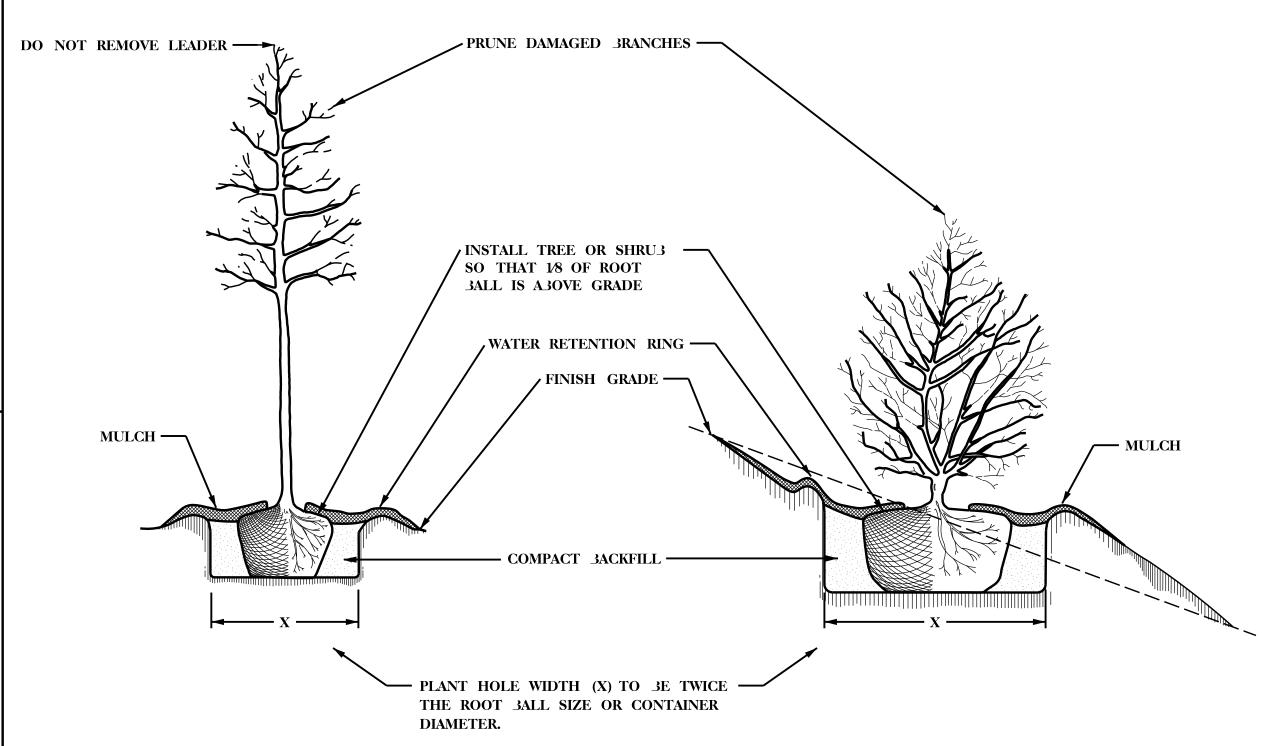
WITH THE USE OF STAKING OR GUYING. DIG TREE AND REPLANT TO UPRIGHT

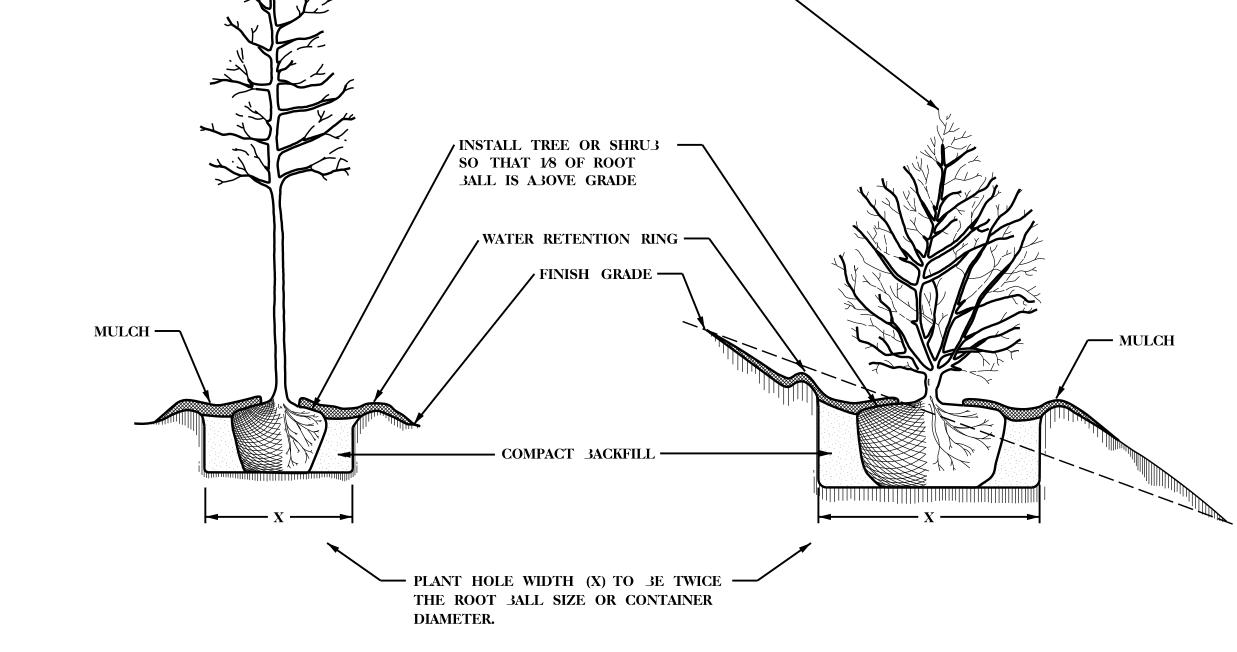
OF AR3ORICULTURE.

POSITION.

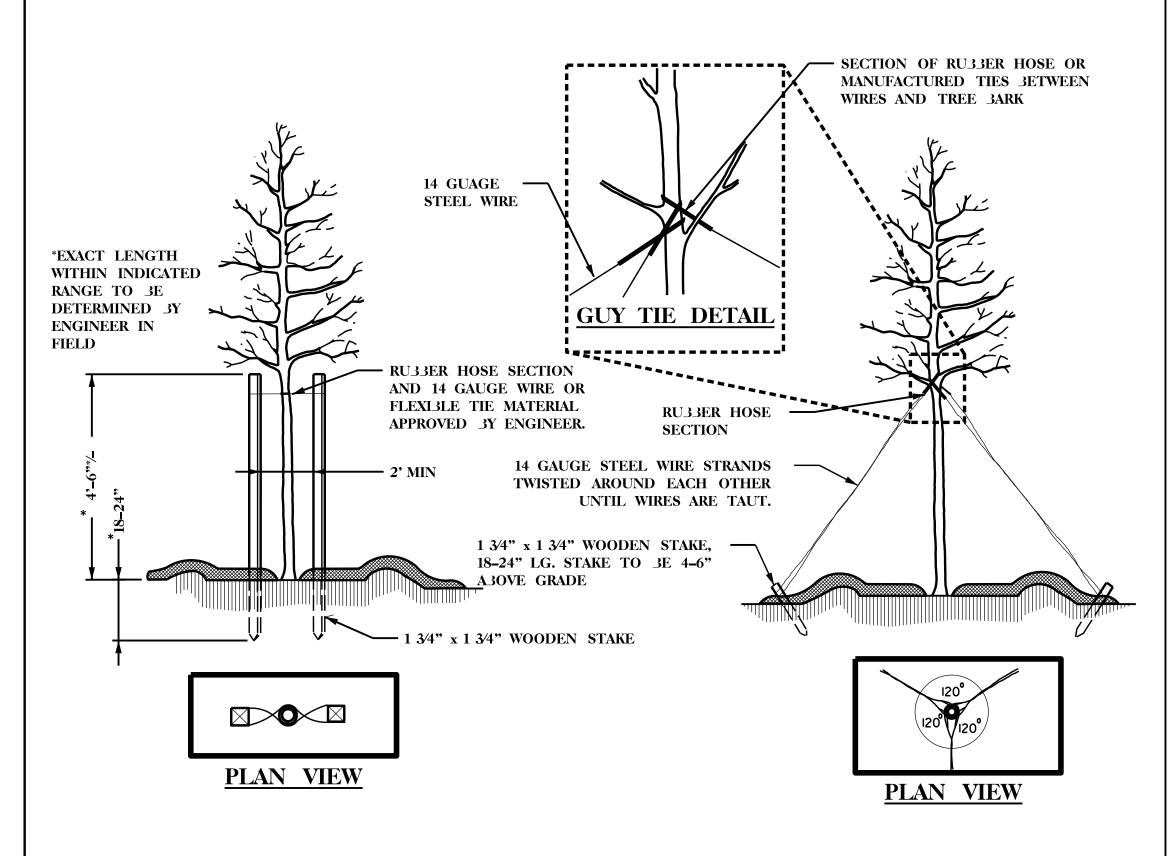


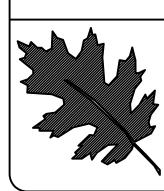






TREE OR SHRUB PLANTING DETAIL (SLOPING GROUND)





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 301/ I-95 BUS. IN FAYETTEVILLE CUMBERLAND COUNTY

TIP #: B-4091

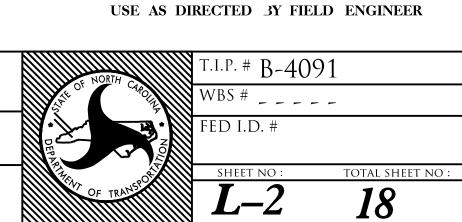


,	PTION:	PREL. DESIGN DA	DEC. 2016	PLANTING DETAILS
	DESCRIE	CHECKED BY & D	PATE:	
	SHEET	final design da	JAN. 12, 20	017
	<u> </u>			•

STAKING DETAIL

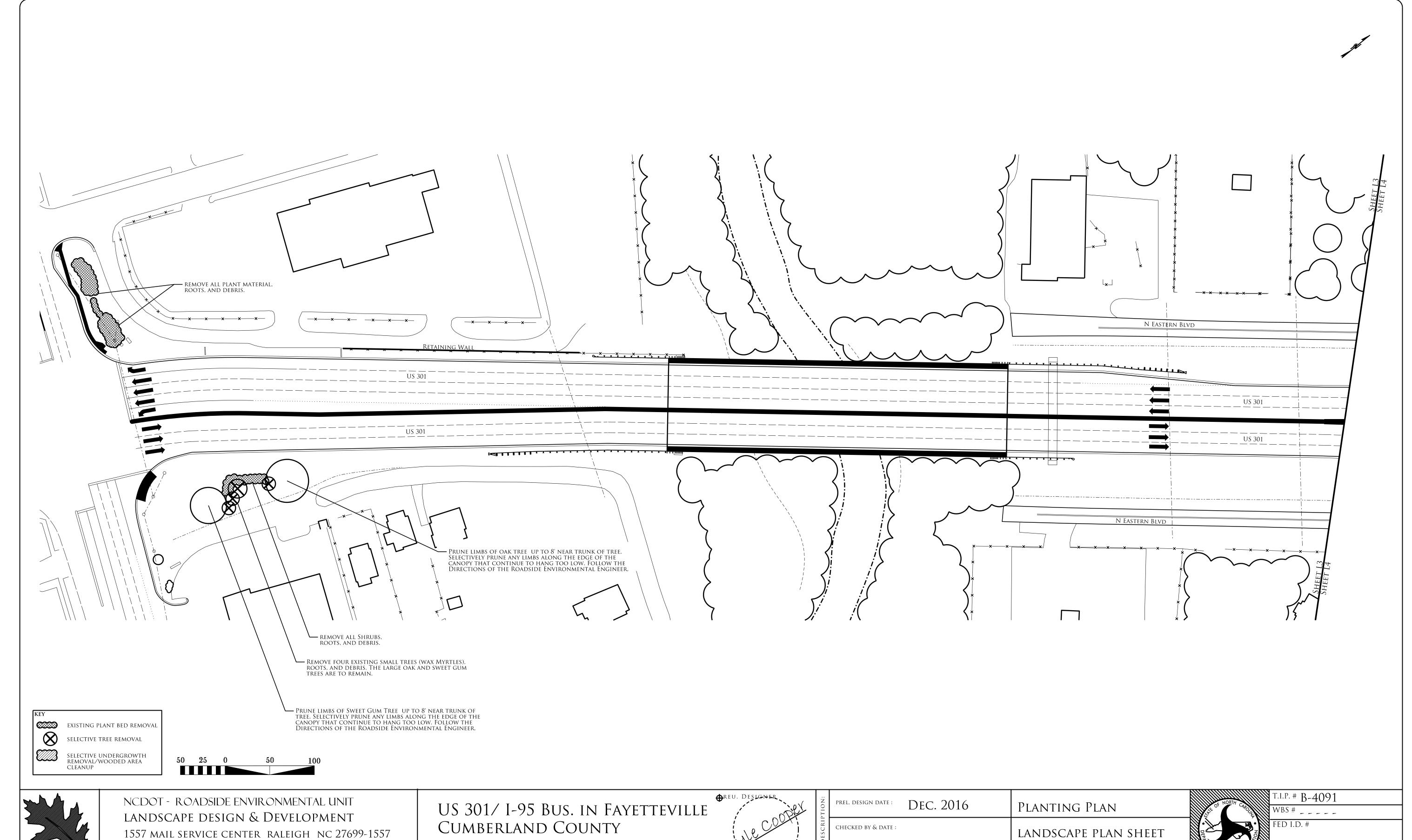
USE AS DIRECTED 3Y FIELD ENGINEER

(TREES 6'-10')



GUYING DETAIL

(TREES 10' OR LARGER)





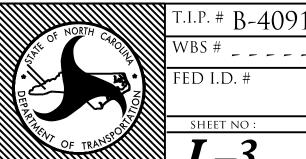
1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557 PH: 919-707-2935 FAX: 919-715-2554

HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\_CHIEF\_ENG/ROADSIDE/

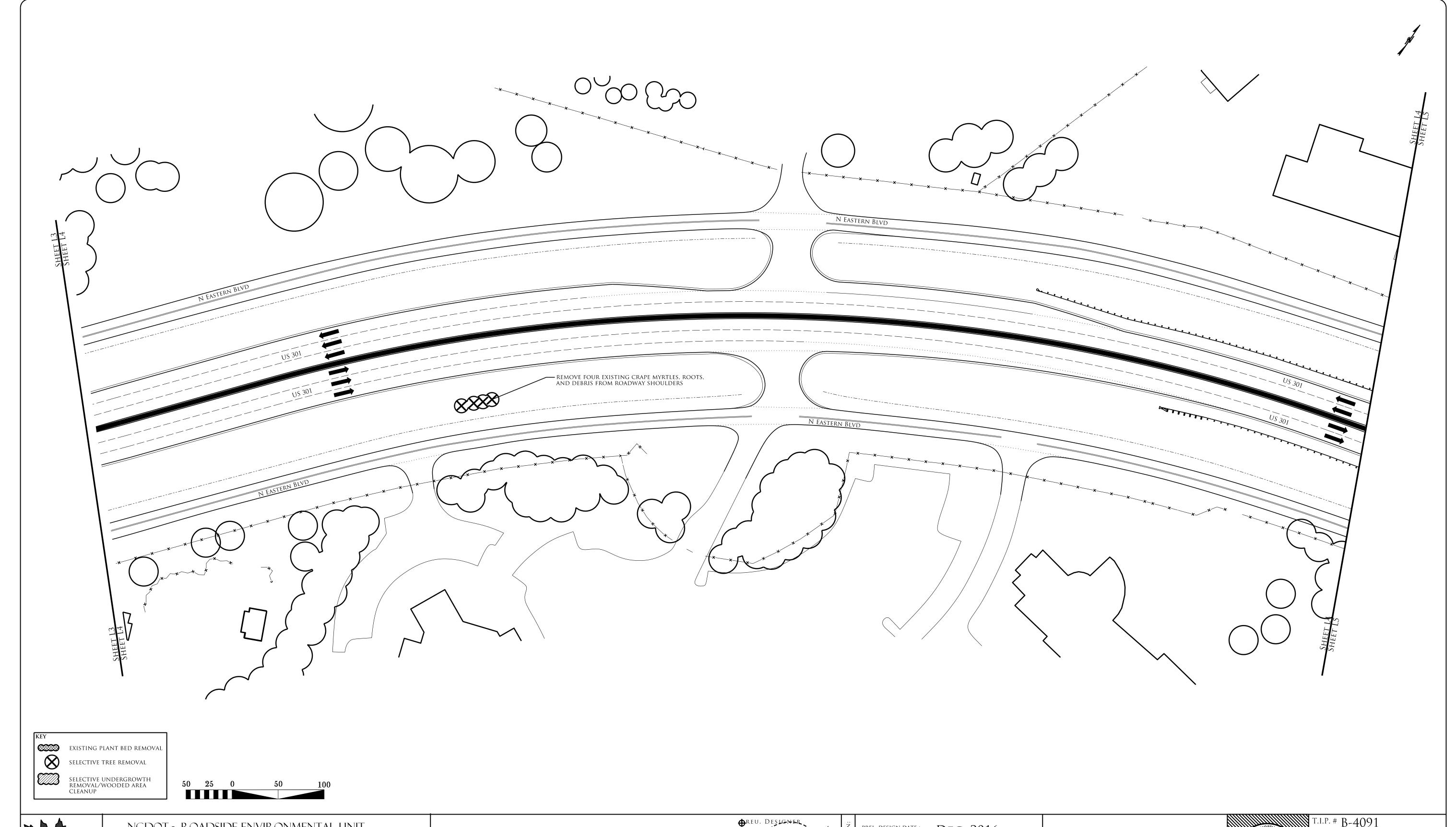
TIP #: B-4091

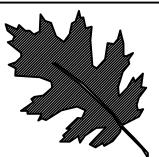


	TION:	PREL. DESIGN DATE :	DEC. 2016	Planting Plan	
ESCRIP	SCRI	CHECKED BY & DATE :		LANDSCAPE PLAN SHEET	
	HEET 1	FINAL DESIGN DATE :	Jan. 12, 2017		



TOTAL SHEET NO :





NCDOT - ROADSIDE ENVIRONMENTAL UNIT LANDSCAPE DESIGN & DEVELOPMENT

1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557 PH: 919-707-2935 FAX: 919-715-2554

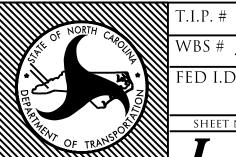
HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\_CHIEF\_ENG/ROADSIDE/

US 301/ I-95 Bus. In Fayetteville Cumberland County

TIP #: B-4091



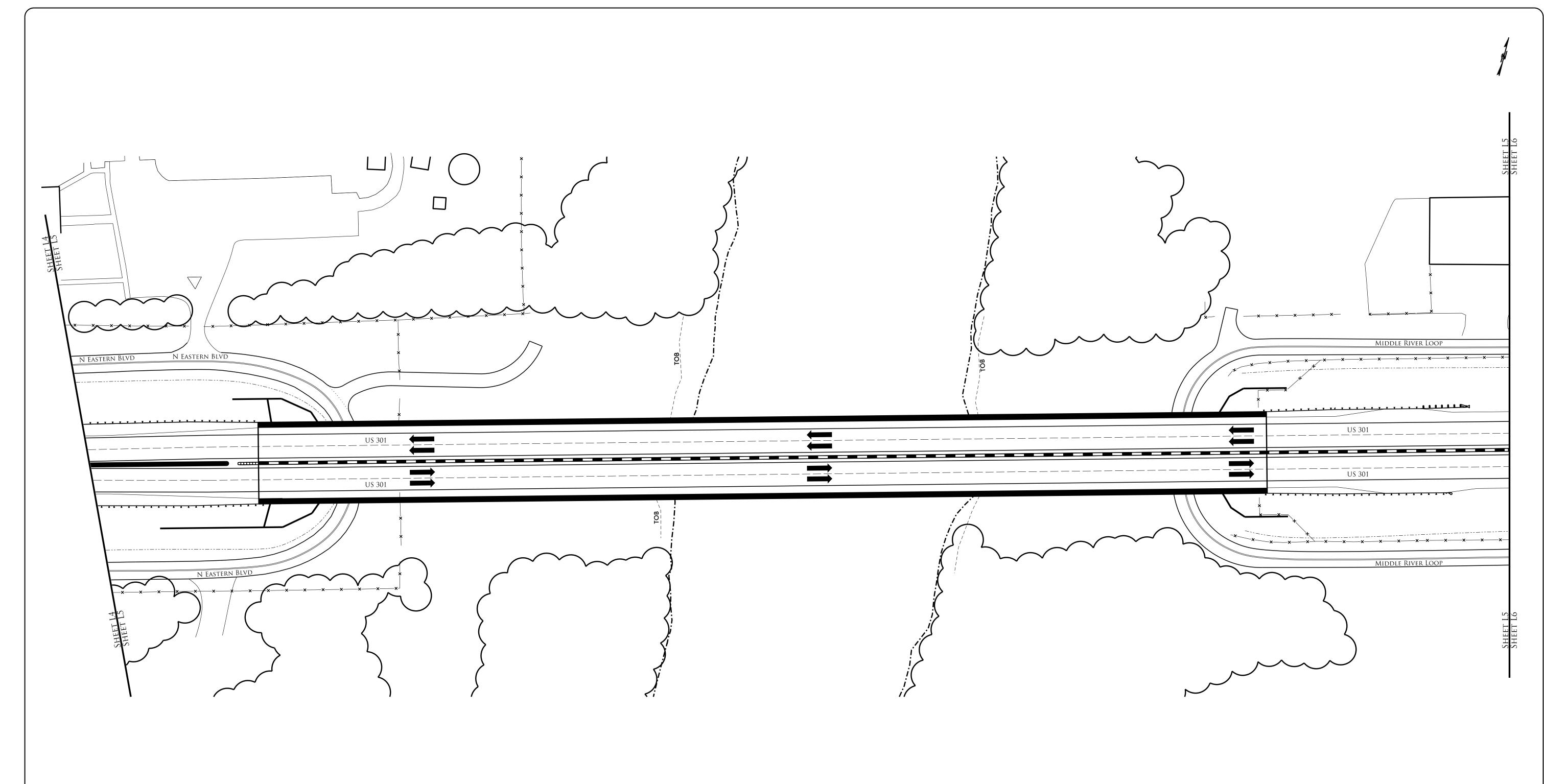
PTION:	PREL. DESIGN DATE :	DEC. 2016	Planting Plan	
DESCRIE	CHECKED BY & DATE :		LANDSCAPE PLAN SHEET	
неет і	FINAL DESIGN DATE :	Jan. 12, 2017		



	T.I.P. # B-40	91
OF THE PERSON NAMED IN	WBS #	
	FED I.D. #	
Xe.	SHEET NO :	TOTAL SHEET NO :

SHEET NO: TOTAL SHEET NO:

L-4 18

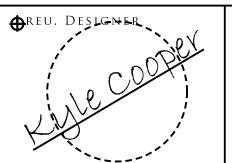




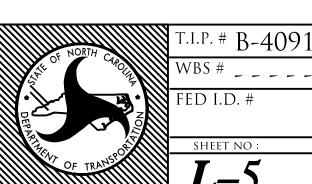


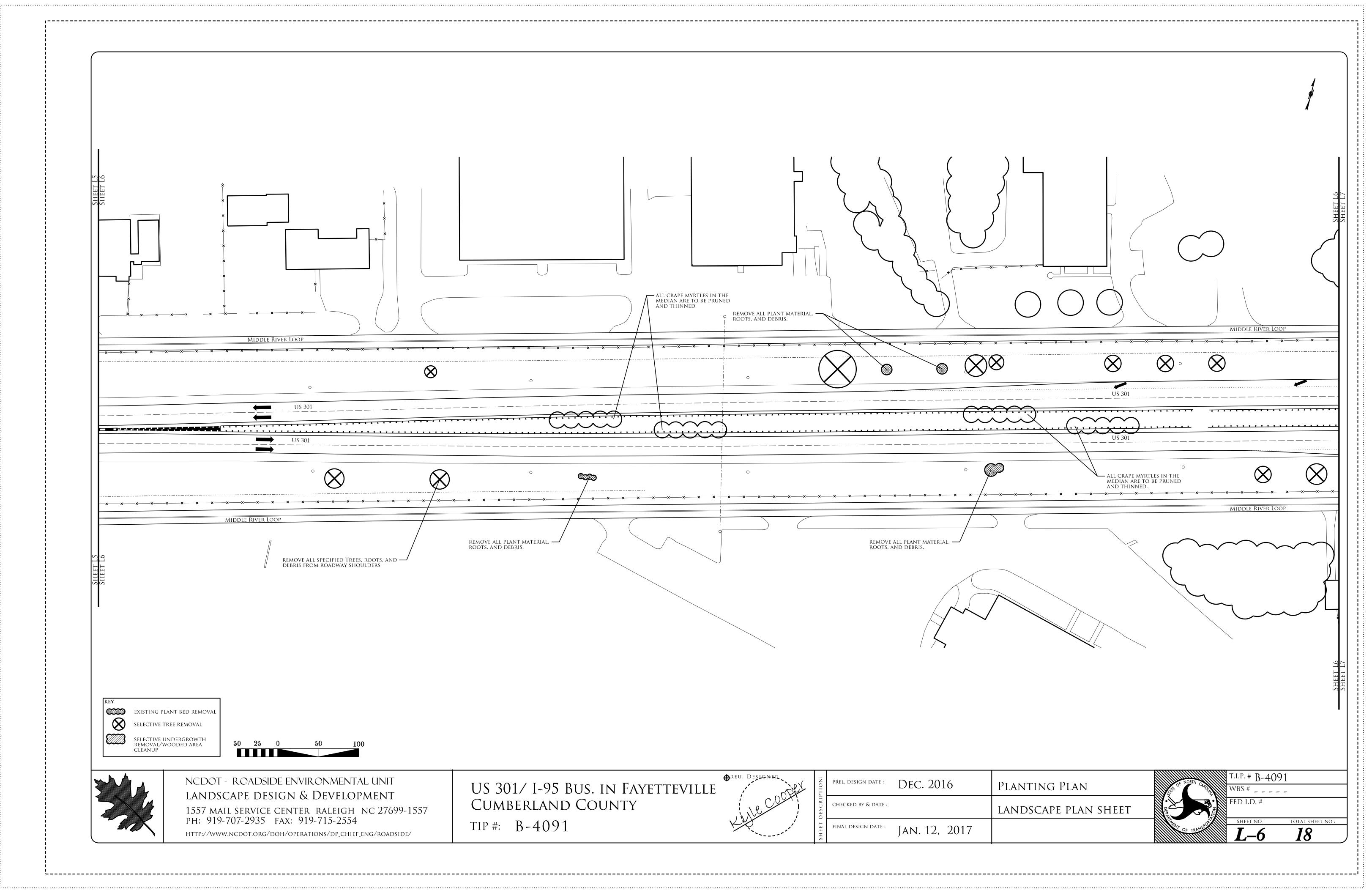
HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\_CHIEF\_ENG/ROADSIDE/

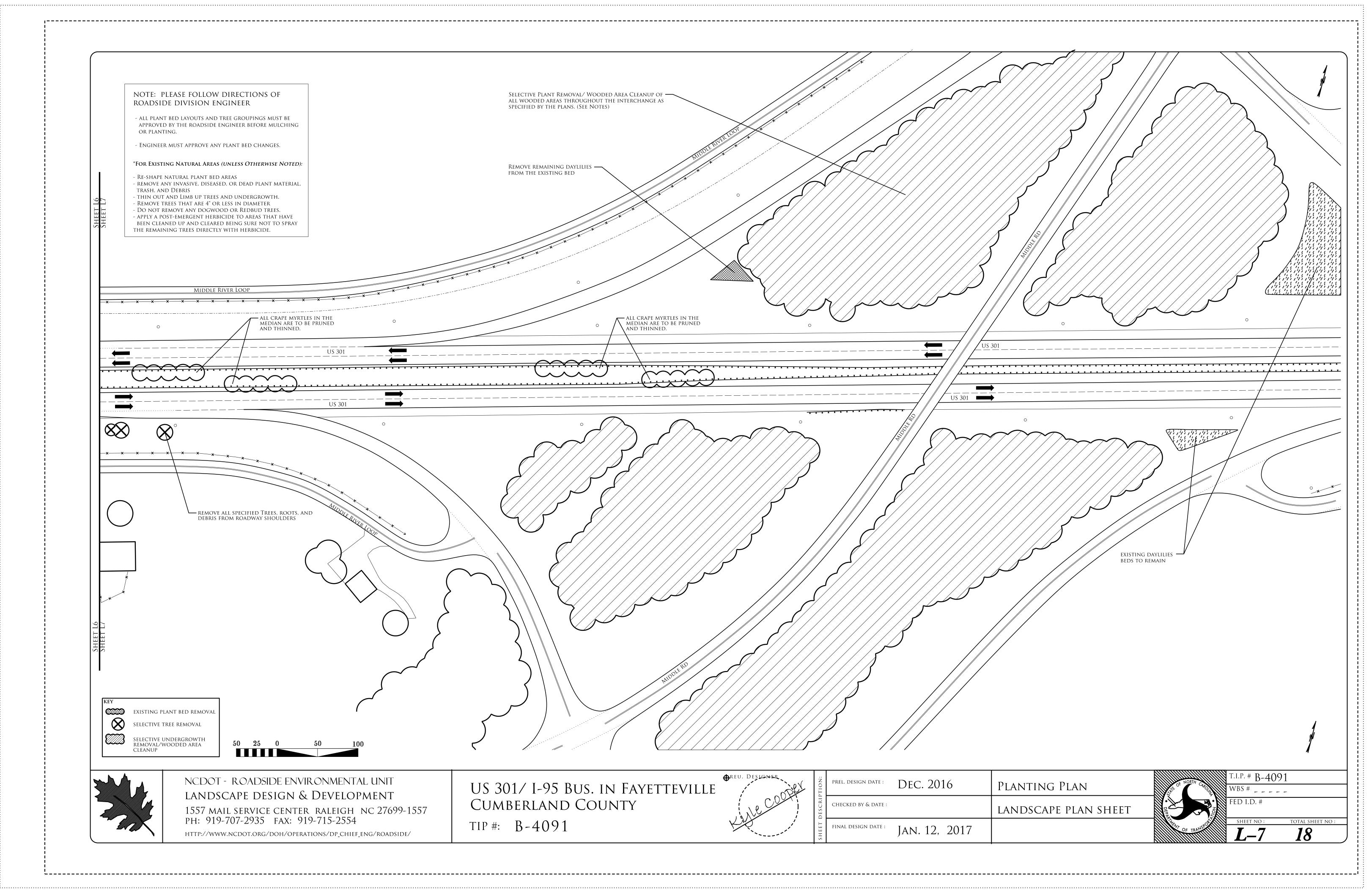
US 301/ I-95 Bus. In Fayetteville Cumberland County TIP #: B-4091

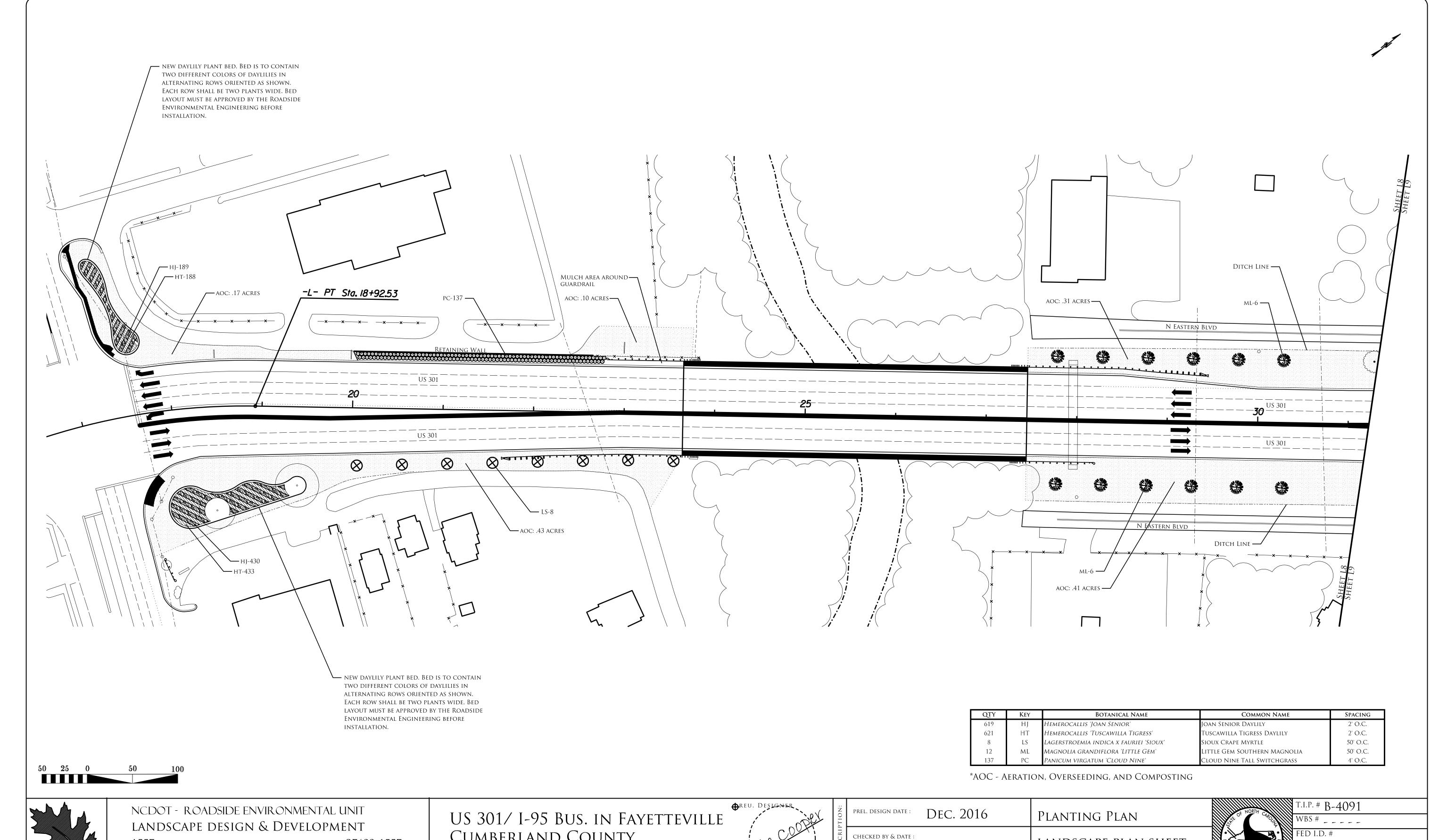


HEET DESCRIPTION:	TION	PREL. DESIGN DATE :	DEC. 2016	Planting Plan
	ESCRI	CHECKED BY & DATE :		LANDSCAPE PLAN SHEET
	ET	FINAL DESIGN DATE :	Jan. 12, 2017	







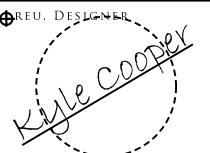




1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557 PH: 919-707-2935 FAX: 919-715-2554

HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP\_CHIEF\_ENG/ROADSIDE/

Cumberland County TIP #: B-4091

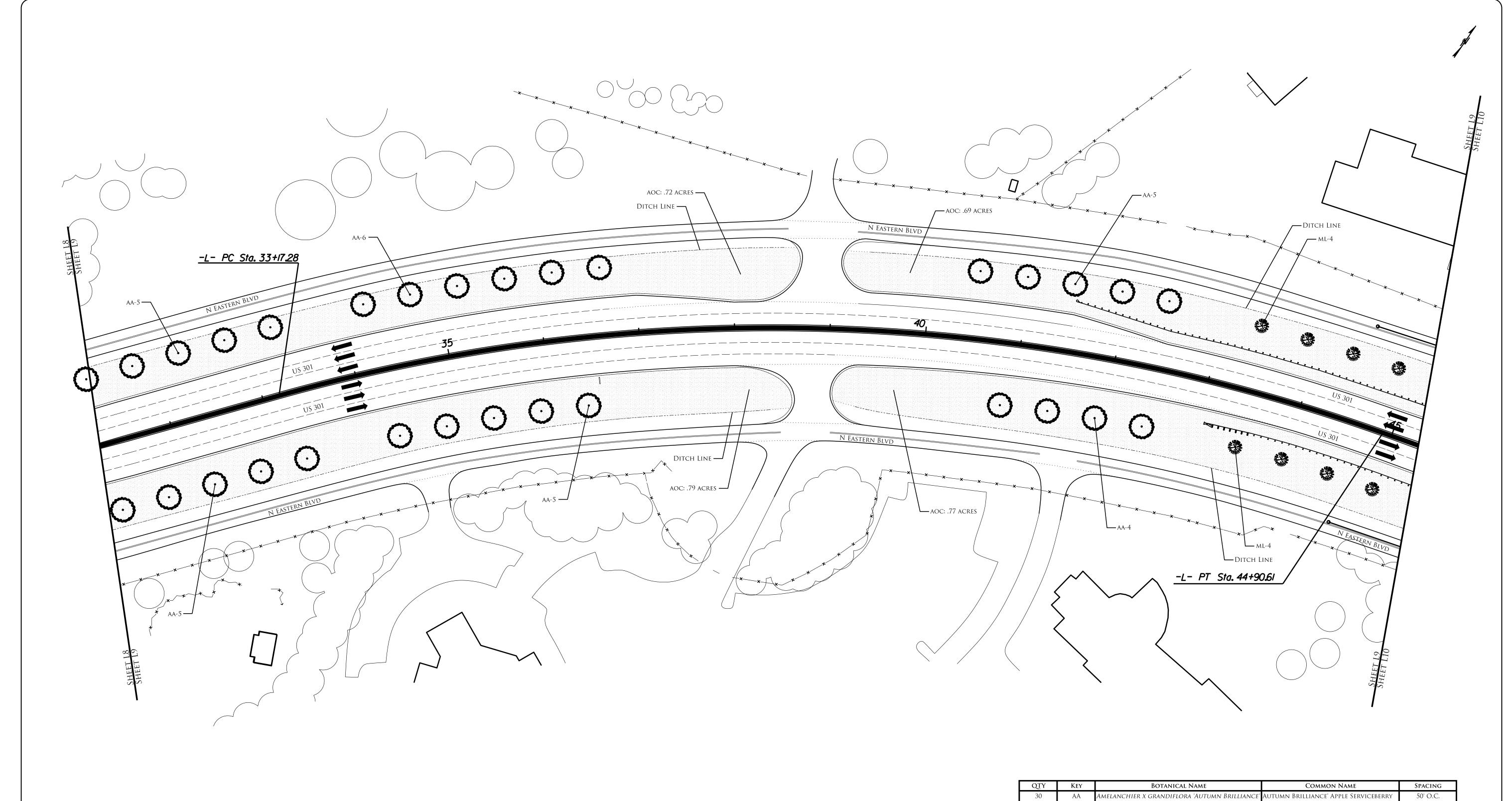


`-----'

	TION:	PREL. DESIGN DATE :	DEC. 2016	Planting Plan
DESCRIP	SCRI	CHECKED BY & DATE :		LANDSCAPE PLAN SHEET
	HEET 1	FINAL DESIGN DATE :	Jan. 12, 2017	



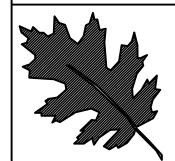
	T.I.P. # B-40	)91
SA POLIT	WBS #	
Z z	FED I.D. #	
<b>→</b>		
	SHEET NO :	TOTAL SHEET NO :





QTY	Key	Botanical Name	Common Name	SPACING
30	AA	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance <sup>®</sup> Apple Serviceberry	50' O.C.
8	ML	Magnolia grandiflora 'Little Gem'	Little Gem Southern Magnolia	50' O.C.

\*AOC - AERATION, OVERSEEDING, AND COMPOSTING



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/

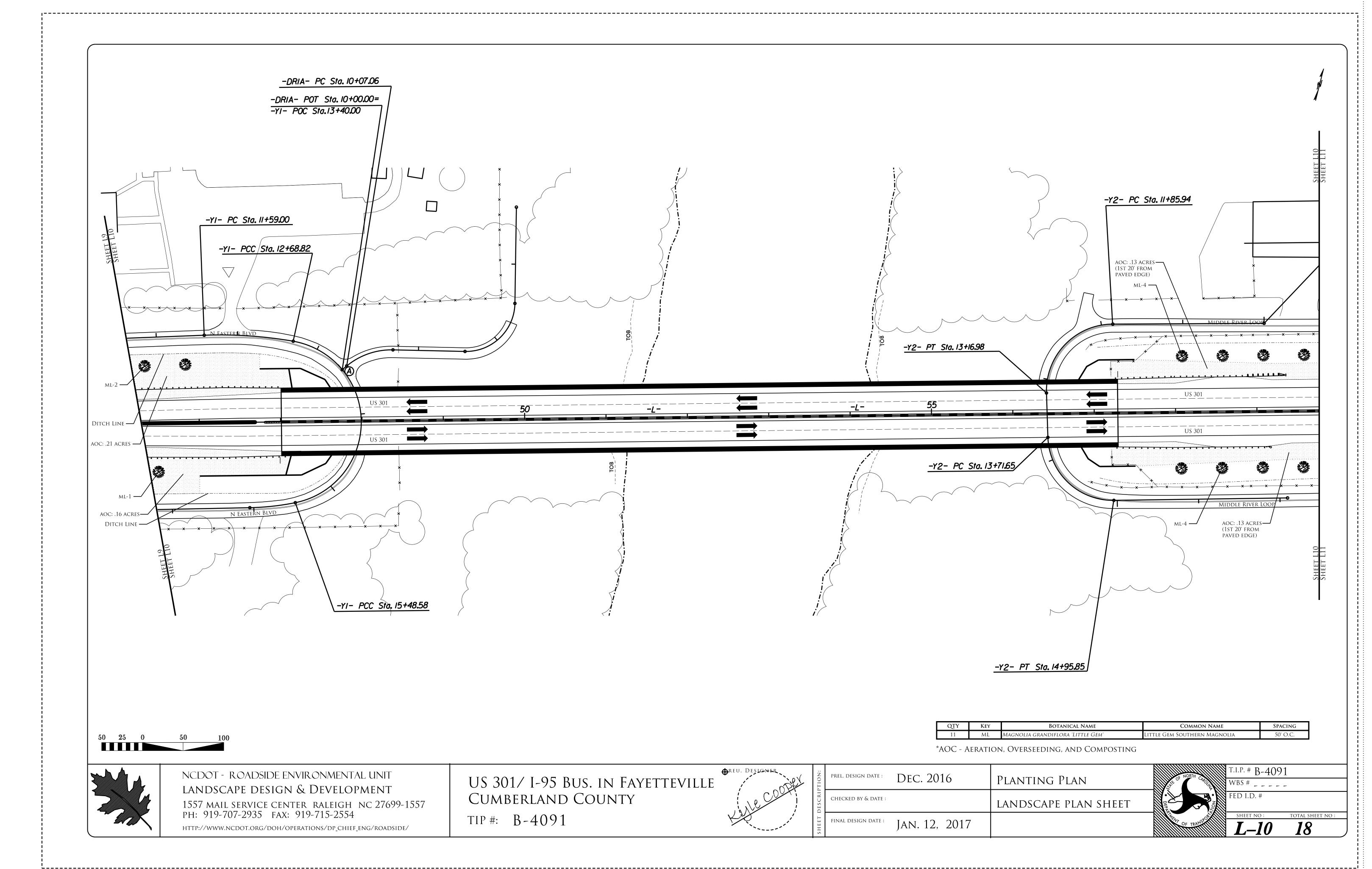
US 301/ I-95 Bus. In Fayetteville CUMBERLAND COUNTY TIP #: B-4091

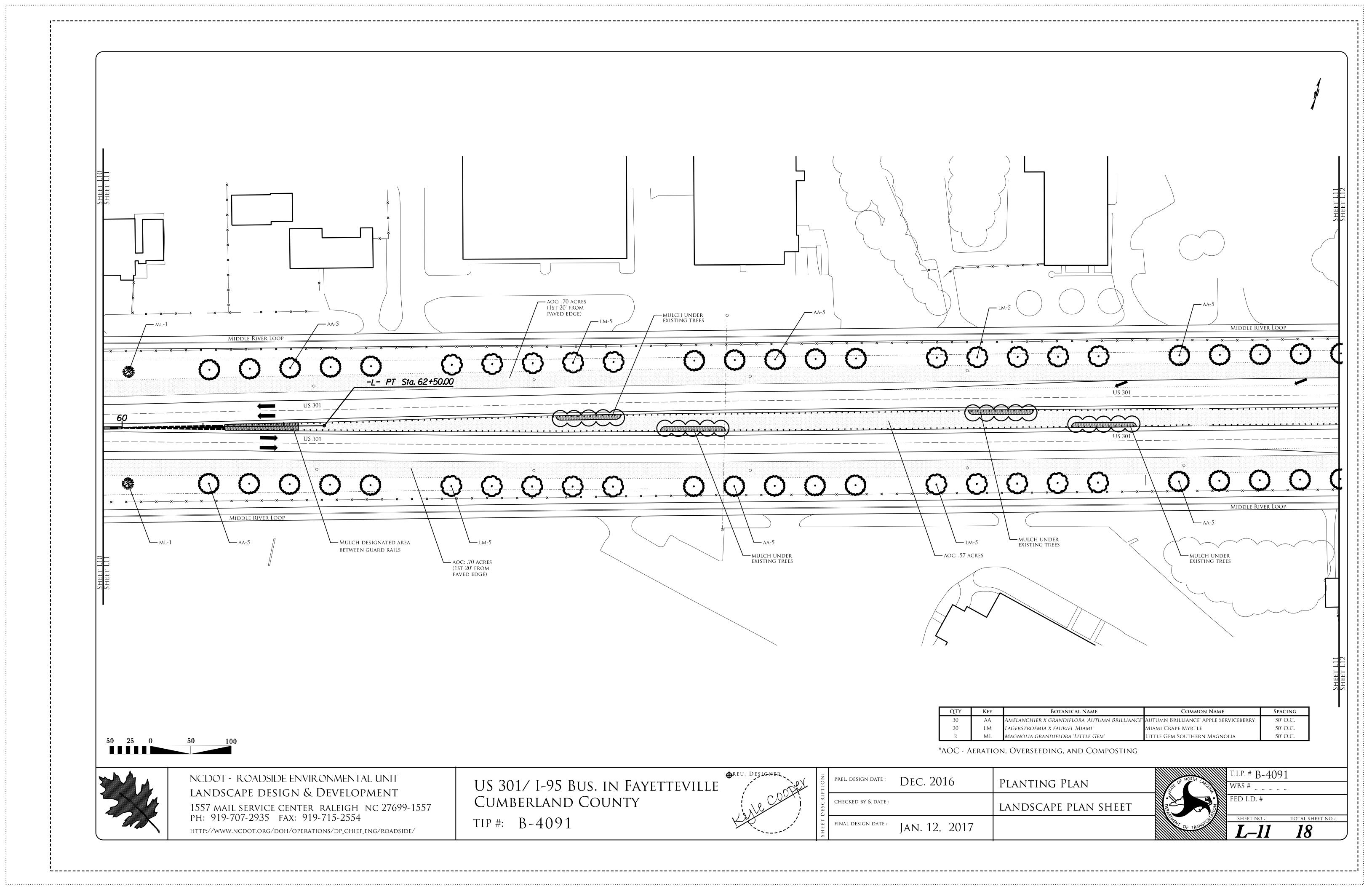


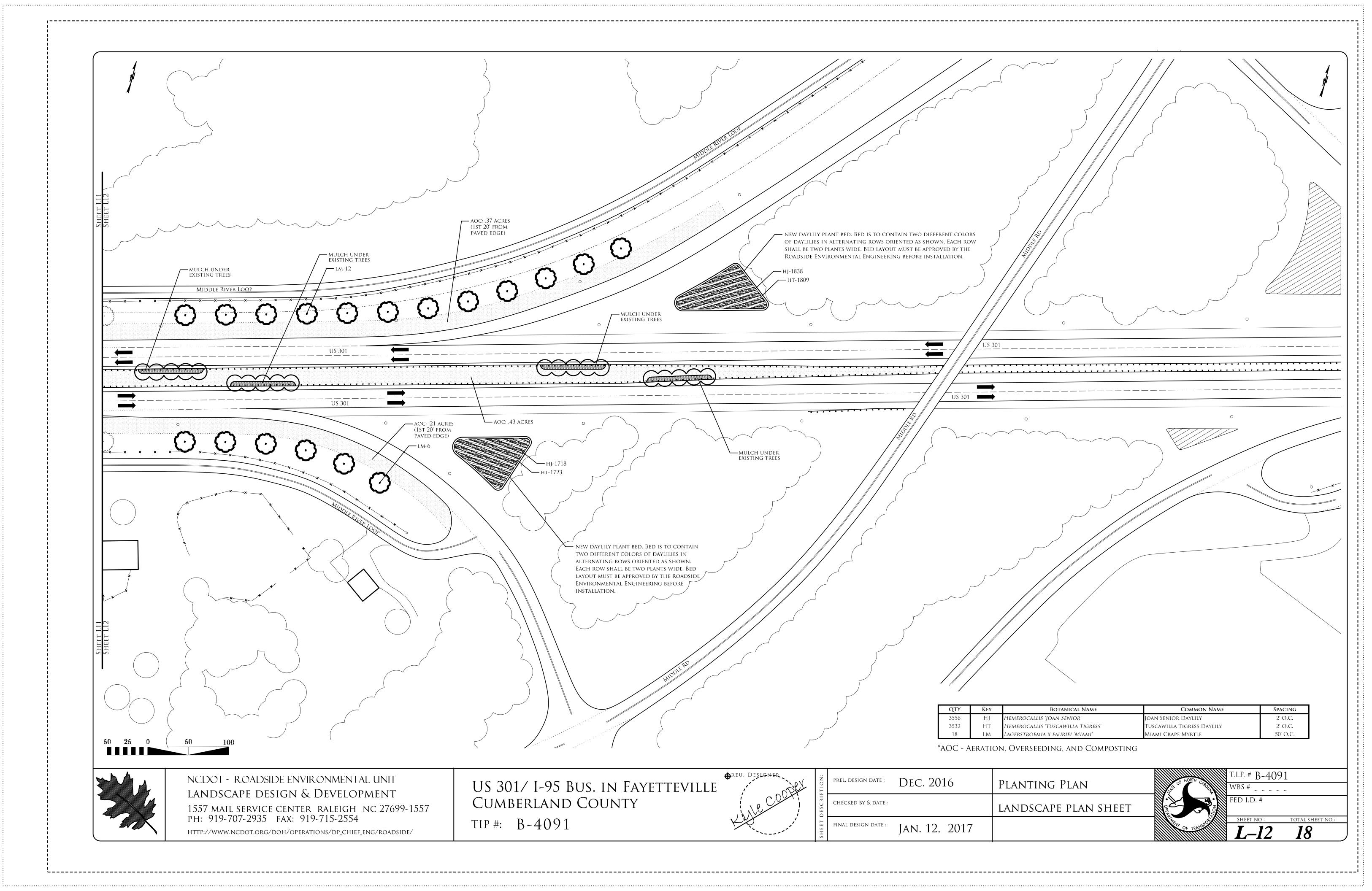
HEET DESCRIPTION:	PREL. DESIGN DATE :	DEC. 2016	Planting Plan
	CHECKED BY & DATE :		LANDSCAPE PLAN SHEET
	FINAL DESIGN DATE :	Jan. 12, 2017	



	ORTH C	T.I.P. # B-409	1
	A POLIT	WBS #	-
	- 3 ·	FED I.D. #	
N P			
TEN.	166-64	SHEET NO :	TOTAL SHEET NO :







# IRRIGATION NOTES & LEGEND

\*IRRIGATION CONTRACTOR MUST BE LICENSED BY THE NCICLB UNDER CHAPTER (2008-177, S.1; 2013-383, S.3). \*ALL MATERIALS MAY BE OF COMPARABLE MANUFACTURE AND PERFORMANCE TO THE BRAND LISTED.

#### **GENERAL NOTES**

- THE IRRIGATION DESIGN PROVIDED IN THE PLANS IS SCHEMATIC IN NATURE, AND THE IRRIGATION CONTRACTOR MAY BE REQUIRED TO MAKE MINOR ADJUSTMENTS IN THE FIELD AS NECESSARY. THESE ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER AND SHALL BE MADE ONLY AFTER NOTIFICATION IS MADE TO THE OWNER (NCDOT).
- THE CONTRACTOR(S) SHALL FAMILIARIZE THEMSELVES WITH THE SITE SO THAT THEY ARE AWARE OF ANY SPECIAL CONDITIONS THAT MAY EXIST THAT COULD AFFECT THEIR BID PROPOSAL AND SHALL HEREAFTER BE RESPONSIBLE FOR ALL COST INCURRED BY THEMSELVES IN RELATION TO THE INSTALLATION.
- PLACE VALVES & BOXES IN PLANT BEDS WHERE-EVER POSSIBLE.
- THE CONTRACTOR IS TO MINIMIZE DISTURBANCE IN SOD AREAS (CUT AND REPLACE SOD WHEN NECESSARY).
- Place pressure reducing valves in discreet locations.
- ALL IRRIGATION PRODUCTS ARE TO BE HUNTER OR COMPARABLE BRAND (AS APPROVED BY THE DIVISION ROADSIDE ENVIRONMENTAL ENGINEER).
- IF THERE IS AN EXISTING SYSTEM IN PLACE, BE SURE TO USE IRRIGATION HEADS THAT ARE CONSISTENT WITH THE EXISTING SYSTEM.
- The Contractor is responsible for providing 'as built' plans TO THE OWNER (NCDOT) AT THE TIME OF PROJECT APPROVAL. THE PLANS SHALL BE CLEAR, CONCISE, AND SHOW ALL ELEMENTS OF THE IRRIGATION SYSTEM, THE LOCATION OF ALL EQUIPMENT, IRRIGATION LINES, NUMBERED ZONES, CONTROLLER(S), HEADS AND VALVES.

## **ESTIMATED IRRIGATION QUANTITIES**

METER LOCATIONS - 6 BACKFLOW PREVENTERS - 6 BATTERY POWERED CONTROLLERS - 6 Zones Valves - 28 Main Line Pipe - 3352 lf LATERAL PIPE - 7152 LF SPRAY HEADS - 348 6' R - 101 8' R - 17 10' R - 90 12' R - 54 17' R - 86 ROTOR HEADS (35' R) - 103

## **BACKFLOW PREVENTION**

- The reduced pressure backflow preventer assembly shall be the RESPONSIBILITY OF THE IRRIGATION CONTRACTOR. THE BACKFLOW SHALL BE 1.5" IN SIZE. THE BACKFLOW ASSEMBLY SHALL BE INSTALLED DOWNSTREAM OF THE IRRIGATION METER. THE UNIT MUST BE INSTALLED IN ACCORDANCE WITH ALL LOCAL AND STATE CODE REQUIREMENTS AND SHALL HAVE AN APPROVED COVER.

### CONTROLLER W/ BATTERY POWERED TIMER

- Controller may be of comparable manufacture and performance TO THE BRAND NAMED.
  - -The Controller shall be a Hunter I-core Modular unit. The CONTROLLER SHALL INCORPORATE A 24 VAC WITH THE APPROXIMATE LOCATION SHOWN ON THE PLANS. LOCATION MUST BE APPROVED BY THE NCDOT ENVIRONMENTAL ROADSIDE ENGINEER.
  - The Battery operated controller is to be placed in Carson VALVE BOXES MODEL #910-1 WITH #910-2 COVERS.
  - ALL 120 VAC WIRING SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE ELECTRICAL CODE REQUIREMENTS.
  - The contractor shall install a wired Hunter rain sensor that IS COMPATIBLE WITH THE MAKE AND MODEL OF THE CONTROLLER. THE RAIN SENSOR MOUNT IS TO BE PAINTED A DARK HUNTER GREEN IN ORDER TO BLEND INTO THE LANDSCAPE.

# DRIP IRRIGATION



Drip irrigation is to be 1/2" Netafim Techline DL tubing (or COMPARABLE MANUFACTURE AND PERFORMANCE) WITH EMITTERS SPACED AT 18" INTERVALS AT 1 GPM. AN APPROVED INLINE EMITTER DRIP LINE IS TO BE INSTALLED UNDER MULCH IN LANDSCAPE AREAS AS SHOWN ON THE IRRIGATION PLAN. (INSTALL DRIP LINE BEFORE MULCH IS INSTALLED.)

Drip Valve Assembly, which includes a hunter pcz-101 remote CONTROL VALVE WITH FLOW CONTROL FEATURE, A MESH FILTER, AND A PRESSURE REGULATOR. THE FLOW CONTROL VALVES SHALL BE NOTED ON BOXES WITH LIDS MOUNTED AT GRADE LEVEL.

- A MINIMUM OF 2 EMITTERS PER SHRUB AND 3 EMITTERS PER TREE SHALL BE INSTALLED.

#### **HEADS**

M.P.T.

- Hunter I-20 Pop-up 180° Rotor Head Fitted with I-20 Blue Standard 2.5 (35' R) Nozzle.
- ► HUNTER PRO-SPRAY POP-UP SPRAY HEAD FITTED WITH PRO ADJUSTABLE
- Nozzles or 90°, 180°, 270°, and 360° Pro-spray fixed arc nozzles with the following radii: 6', 8', 10', 12', and 17'.
- ALL HEADS WITH A 6"-12" POP-UP STROKE, IF INSTALLED WITH LESS THAN 1/3 OF THE SPRINKLER BODY EXPOSED ABOVE GRADE, SHALL BE INSTALLED ON POLYETHYLENE FLEX SWING JOINT POLY PIPE FITTED WITH ELBOWS (3/8" INSERT BY 1/2" M.P.T. AND/OR 3/8" INSERT BY 3/4"
  - -IF GREATER THAN 1/3 OF THE SPRINKLER BODY IS EXPOSED, THEN THE 6"-12" POP-UP HEAD SHALL BE MOUNTED ON A SCHEDULE 40 PVC PIPE RISER AS DESCRIBED BELOW IN RELATION TO MOUNTING SHRUB HEAD MODELS. IN MOUNTING 6"-12" POP-UP HEADS ON SHRUB TYPE RISERS, CARE SHALL BE TAKEN TO INSTALL THE HEAD IN SUCH A MANNER THAT THE SURROUNDING PLANT MATERIAL (PLANNED OR EXISTING) WILL HIDE THE BODY OF THE SPRINKLER.
  - ALL POP-UP IRRIGATION HEADS DESIGNED ADJACENT TO CURBS OR PAVEMENT SHALL BE INSTALLED WITH A CLEARANCE OF 1 1/2" FROM THE EDGES OF ALL PAVED AREAS TO PROVIDE FOR EDGING AND MAINTENANCE OPERATIONS. HEADS INSTALLED ON SHRUB RISERS OR WITH THE TOP OF The head more than  $1 \frac{1}{2}$  above the grade shall be installed WITH A MINIMUM 6" CLEARANCE FROM PAVED AREAS.
  - ALL THREADED PIPE CONNECTIONS SHALL BE ASSEMBLED USING TEFLON THREAD SEALING TAPE.

### PIPE

- PR 200 PVC LATERAL PIPING
- -MINIMUM DEPTH OF COVER OVER LATERAL PIPING TO BE 12". LATERAL PIPE SIZING SCHEDULE AND SUMMATION OF GALLONAGE DEMAND ON A PARTICULAR BRANCH OF PIPE WITHIN A CONTROL SECTION SHALL BE DETERMINED BY USING THE GPM FOR A NOZZLE BASED ON A 50 PSI BASE OF HEAD PRESSURE AND FULL RADIUS AT THAT PRESSURE AS REPORTED IN THE TORO IRRIGATION PRODUCTS' CATALOG. PIPE SIZES FOR THE LATERAL LINES SHALL BE AS FOLLOWS:
- FOR 0 TO 15 GPM ACCUMULATED FLOW USE 3/4" PR 200 PVC PIPE.
- FOR 15 UP TO 35 GPM USE 1" PVC PIPE.
- ALLOW FOR FRICTION LOSS.
- -- PR 200 MAIN LINE PIPING.
  - Size of Pipe to be a minimum of 1 1/2" - Depth of Cover of Mainline Piping to be 18"

  - Piping shall be PR 200 solvent weld PVC pipe with schedule 40 PVC SOLVENT WELD FITTINGS UNLESS OTHERWISE NOTED.
  - THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGING EXISTING PLANTINGS AND THEIR ROOTS DURING THE INSTALLATION OF THE IRRIGATION SYSTEM AND SHALL COORDINATE THEIR EFFORTS WITH THE LANDSCAPE CONTRACTOR TO OPTIMIZE THE EFFICIENCY AND THE AESTHETIC QUALITY OF THE INSTALLATION.

#### **SLEEVES**

- SLEEVES SHALL BE 4" PVC. THE IRRIGATION CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE CONTRACTOR TO INSURE PROPER INSTALLATION OF THE IRRIGATION SYSTEM WITH THE LANDSCAPE AND HARDSCAPE.

## ELECTRIC CONTROL VALVE

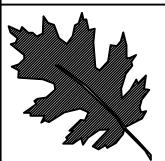
- Valves may be of comparable manufacture and performance to THE BRAND NAMED.
- LOCATION OF ELECTRIC 24 VAC REMOTE CONTROL VALVE WITH FLOW CONTROL FEATURE (HUNTER PGV-ASV VALVES)
- ALL REMOTE CONTROL VALVES SHALL BE INSTALLED IN CARSON VALVE BOXES WITH LIDS MOUNTED AT GRADE LEVEL. SINGLE VALVES MAY BE installed in a Carson model #910-1 valve box with cover, while MULTIPLE VALVES (UP TO, 2 - 1" VALVES OR 1 - 1 1/2") SHALL BE INSTALLED IN CARSON MODEL #1419-1 BOX WITH #1419-2 COVER.

## | | WATER SUPPLY/METER

- THE METER SHALL BE THE OWNER'S/TOWN'S RESPONSIBILITY.
- The meter is 1.5" in size. Since the water supply for the SYSTEM WILL BE POTABLE WATER, THE CONTRACTOR WILL BE REQUIRED TO INSTALL A BACKFLOW PREVENTION DEVICE WHICH WILL BE LOCATED DOWNSTREAM OF THE IRRIGATION METER.
- This irrigation system shall be capable of delivering 33 gpm MINIMUM WITH ONE CONTROL STATION OPERATING AT A TIME AT 60 PSI AT THE BASE OF THE HEAD FOR OPTIMUM PERFORMANCE OF THE IRRIGATION SYSTEM.

## 24 VAC CONTROLLER WIRING

- ALL 24 VAC CONTROL WIRING SHALL BE SINGLE STRAND COPPER WIRE WITH POLYETHYLENE PE DIRECT BURIAL INSULATION RATED FOR 300 VAC VALVE "COMMON" WIRES SHALL HAVE WHITE INSULATION WHILE VALVE "HOT" WIRES SHALL HAVE RED INSULATION. BOTH THE "COMMON" AND "HOT" WIRES SHALL BE #14 AWG. VALVE WIRING SHALL FOLLOW MAINLINE PIPING WHERE FEASIBLE AND SHALL BE LAID IN THE BOTTOM OF THE TRENCH LINE WITH THE MAINLINE PIPING. WIRING SHALL BE "BUNDLED" AND TAPED AT INTERVALS OF APPROXIMATELY TEN FEET. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS.
- Wire splices shall be kept to an absolute minimum. Where major CONCENTRATIONS OF SPLICES ARE NECESSARY, THEY SHALL BE PLACED IN A APPROVED VALVE BOX, WITH #910-2 COVER INSTALLED AT GRADE LEVEL. SPLICES AT VALVE LOCATIONS SHALL BE MADE INSIDE OF THE VALVE BOX. ALL SPLICE LOCATIONS SHALL BE NOTED ON THE AS BUILT
- WIRE RUNS SHALL BE INSTALLED WITH ENOUGH SLACK AND/OR EXPANSION LOOPS TO PREVENT EXCESSIVE STRAIN DUE TO THERMAL CONTRACTION.
- ALL WIRE SPLICES SHALL BE MADE USING UL APPROVED DIRECT BURIAL CONNECTORS AND WATERPROOF MATERIALS. ALL ELECTRICAL WORK SHALL BE INSTALLED ACCORDING TO CODE



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 301/ I-95 BUS. IN FAYETTEVILLE CUMBERLAND COUNTY TIP #: B-4091



**IRRIGATION NOTES** PREL. DESIGN DATE : DEC. 2016 CHECKED BY & DATE : FINAL DESIGN DATE : JAN. 12, 2017



Г.І.Р. # В-4091 WBS # \_ \_ \_ \_ \_ TOTAL SHEET NO : 18

