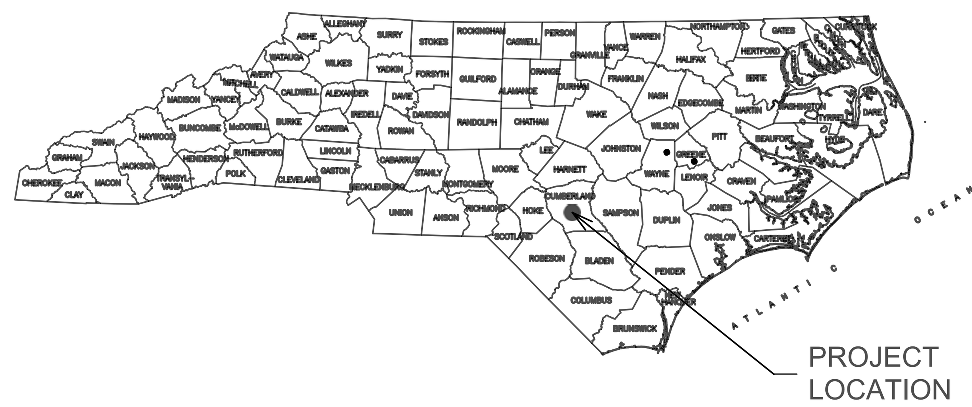
PROJECT: FAYETTEVILLE OUTER LOOP (I - 295), FAYETTEVILLE, NC

PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT

T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
X-002BC & CA, X-0002B & U-2519E, U-2519CB, U-2159DA	35196.3.18, 35196.3.23, 34817.3.S8, 34817.3.12	L1	8

FED. PROJECT #	DESCRIPTION	DIVISION
-----	LANDSCAPE	6

SUMMARY_OF_PROJECT_QUANTITIES



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
- Wetland Area
- Stream or Body of Water Mitigation
- Erosion Control Fencing

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	MINIMUM CAL	SIZE
	CC	144	CERCIS CANADENSIS	EASTERN REDBUD	B & B	2.5"CAL	
	CP	25	CARYA PALLIDA	SAND HICKORY	B & B	2.5"CAL	12`-14`
	CJ	18	CRYPTOMERIA JAPONICA	JAPANESE CEDAR	B & B		10`-12`
	JN	26	JUGLANS NIGRA	BLACK WALNUT	B & B	2.5"CAL	12`-14`
	JUN EAS	35	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	B & B		8`-10`
	LO	44	LAGERSTROEMIA INDICA X FAURIEI HOPI	HOPI CRAPE MYRTLE	B & B		6`
	PT1	57	PINUS TAEDA	LOBLOLLY PINE	B & B	1.5"CAL	8`-10`
	PT2	35	PINUS TAEDA	LOBLOLLY PINE	B & B	2.5"CAL	10 -12`
	QW	25	QUERCUS LAEVIS	TURKEY OAK	B & B	2.5"CAL	12`-14`
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	HGT..SPRD	
	EUO CO	214	EUONYMUS ALATUS `COLES COMPACT`	BURNING BUSH	B&B	48"	
	MD	399	MYRICA CERIFERA `DON`S DWARF`	DON`S DWARF WAX MYRTLE	7 GAL	36" - 48"	
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME			REMARK
	HE	2,232	HEMEROCALLIS 'RED'	DAYLILLIES	BR	8" - 10" HGT; 3-6 FANS	18" O.C.
	NA	2,232	NARCISSUS ' JACK SNIPE'	DAFFODIL	BULB		18" O.C.

INDEX OF SHEETS:

PREPARED BY:

STEWART

223 S. WEST ST, SUITE 1100,
RALEIGH, NC 27603
T 919.380.8750

FIRM LICENSE #: C-1051
www.stewartinc.com
PROJECT #: C16071

DATE: 11/09/2018

REVISIONS

DATE	DESCRIPTION

STATE OF
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

LOCATION: I - 295 & BRAGG BLVD, FAYETTEVILLE, NC

TYPE of WORK: LANDSCAPE DEVELOPMENT

COUNTY: CUMBERLAND COUNTY

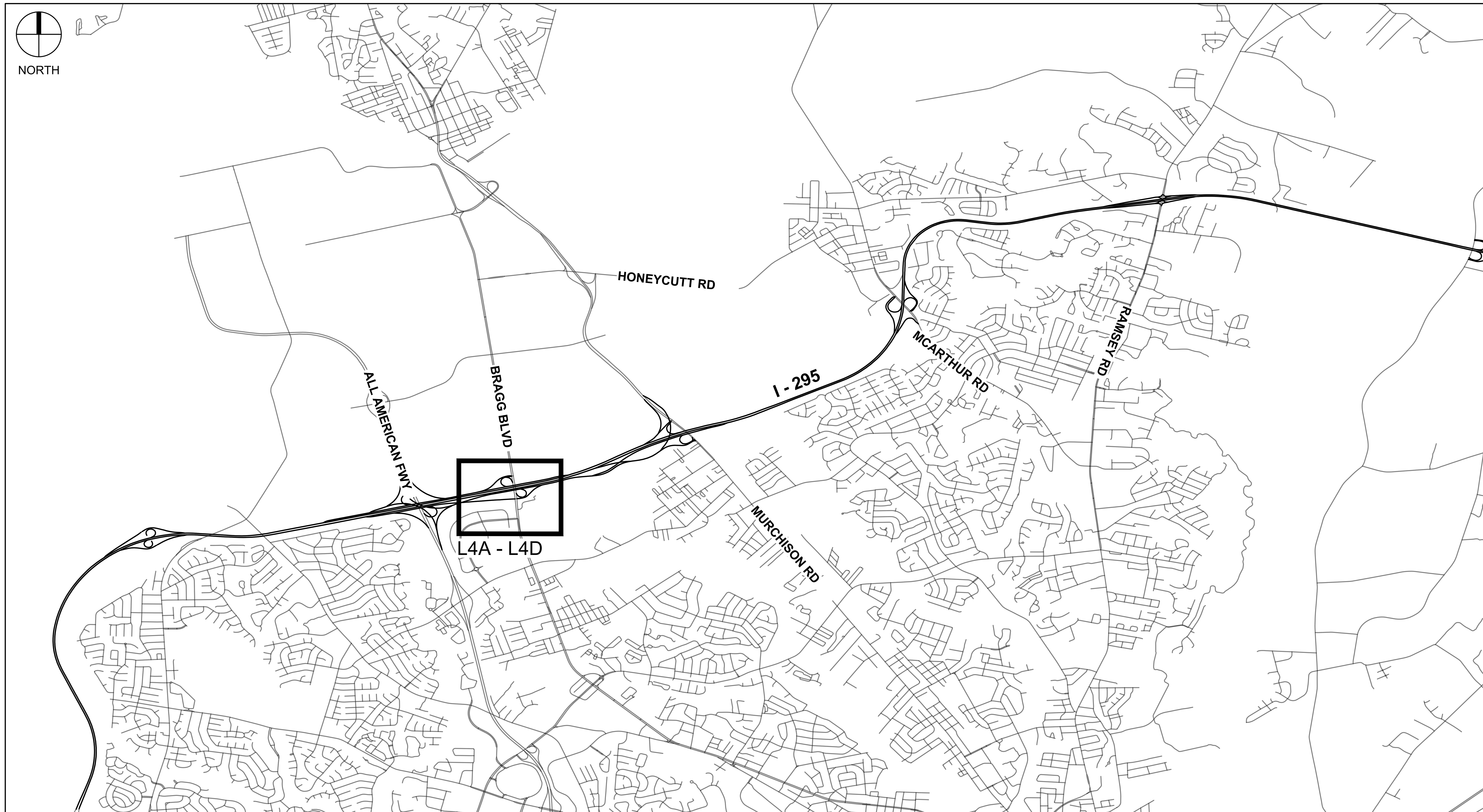
Seal:

2004 American Standard for Nursery Stock

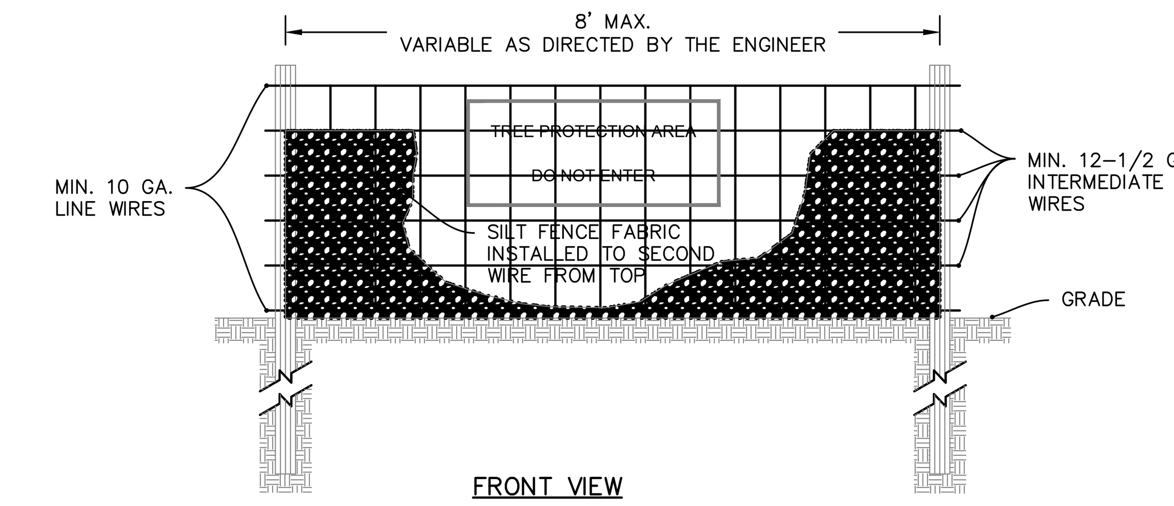
2012 NCDOT STANDARD SPECIFICATIONS

PREPARED FOR THE OFFICE OF:
NCDOT- ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT SECTION
1557 MAIL SERVICE CENTER
RALEIGH NC 27699 919-707-2935

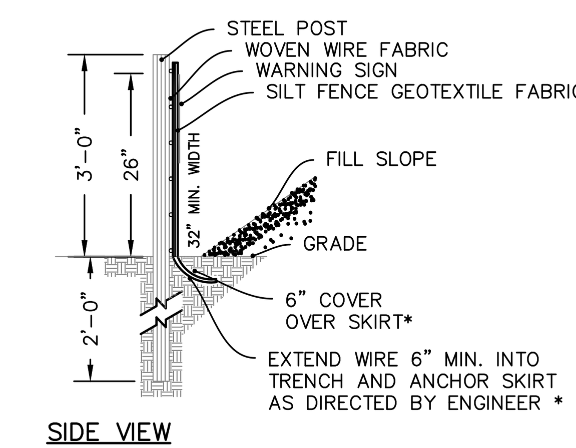
Fayetteville Outer Loop (I - 295), Fayetteville, NC
Sustainable Landscape Design & Development



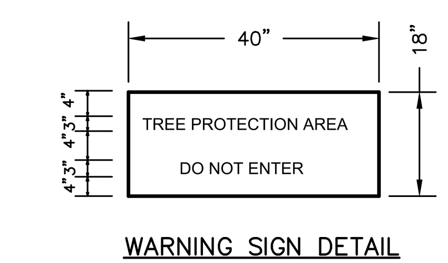
VICINITY AND PLAN KEY MAP
SCALE: N.T.S



FRONT VIEW



SIDE VIEW



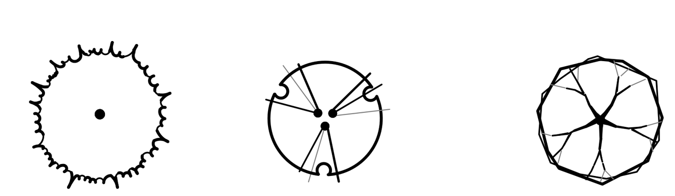
WARNING SIGN DETAIL

NOTES:
- USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW
- END OF SILT FENCE NEEDS TO BE TURNED UPHILL.
- FOR REPAIR OF SILT FENCE FAILURES, USE No. 57 WASHED STONE.
- FOR ANCHOR WHEN SILT FENCE IS PROTECTING CATCH BASIN.
- WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL.
- LETTERS TO BE 3" HIGH MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
- SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER.
- FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTION AREA.
- ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE THROUGHOUT DURATION OF PROJECT. ADDITIONAL SIGNS MAY BE REQUIRED BY LOCAL JURISDICTIONAL INSPECTIONS DEPARTMENT BASED ON ACTUAL FIELD CONDITIONS.
- PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER.

1 STANDARD TEMPORARY SILT / TREE PROTECTION FENCE
NTS

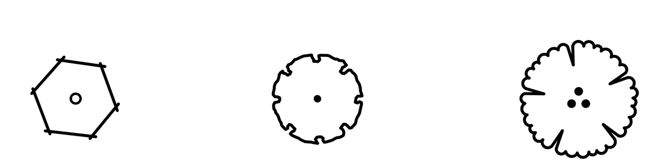
PLANT SYMBOLOGY:

SMALL DECIDUOUS TREES



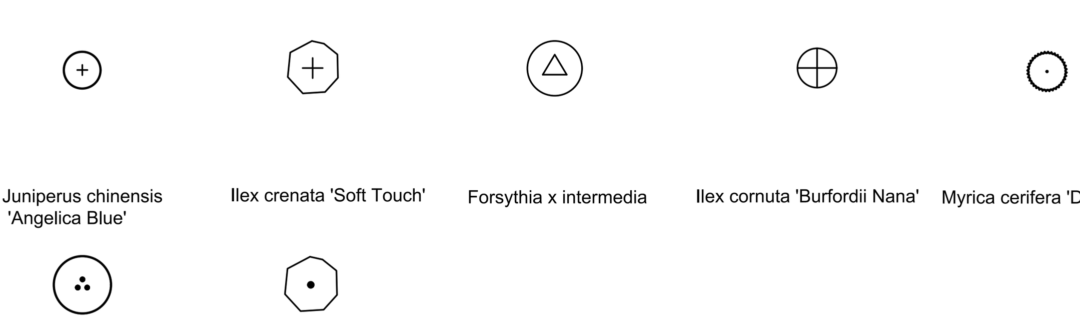
Cercis canadensis
Lagerstroemia indica x fauriei Hopi
Lagerstroemia indica x fauriei `Muskogee`

SMALL EVERGREEN TREES



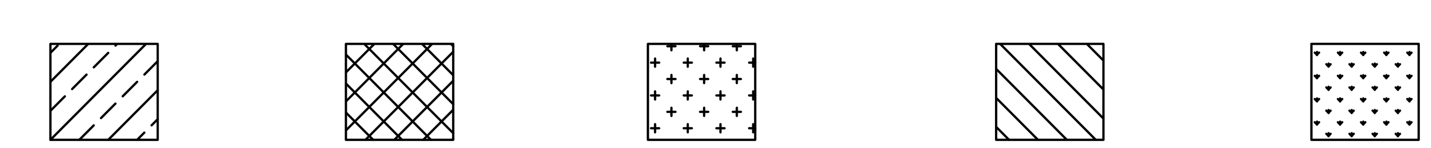
Juniperus virginiana
Cryptomeria japonica "Yoshino"
Ilex 'Nellie R. Stevens'

SHRUBS



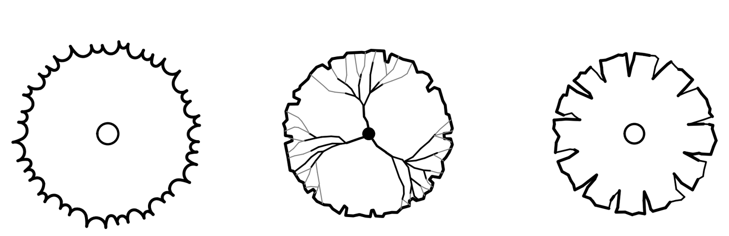
Juniperus chinensis 'Angelica Blue'
Ilex crenata 'Soft Touch'
Forsythia x intermedia
Ilex cornuta 'Burfordii Nana'
Myrica cerifera 'Don's Dwarf'
Euonymus alatus 'Coles Compact'
Ilex cornuta 'Burfordii'

GRASSES



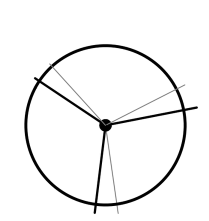
Panicum virgatum 'Rostrahlbusch'
Muhlenbergia capillaris
Vinca major
Panicum virgatum 'Shenendoah'
Pollinator mix

LARGE DECIDUOUS TREES



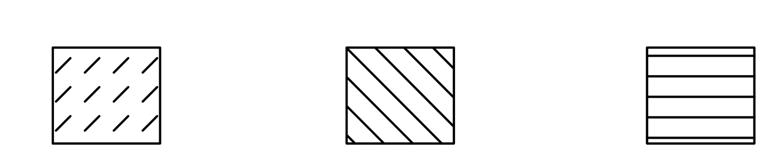
Juglans nigra
Quercus laevis
Carya pallida

LARGE EVERGREEN TREES



Pinus taeda

PERENNIALS

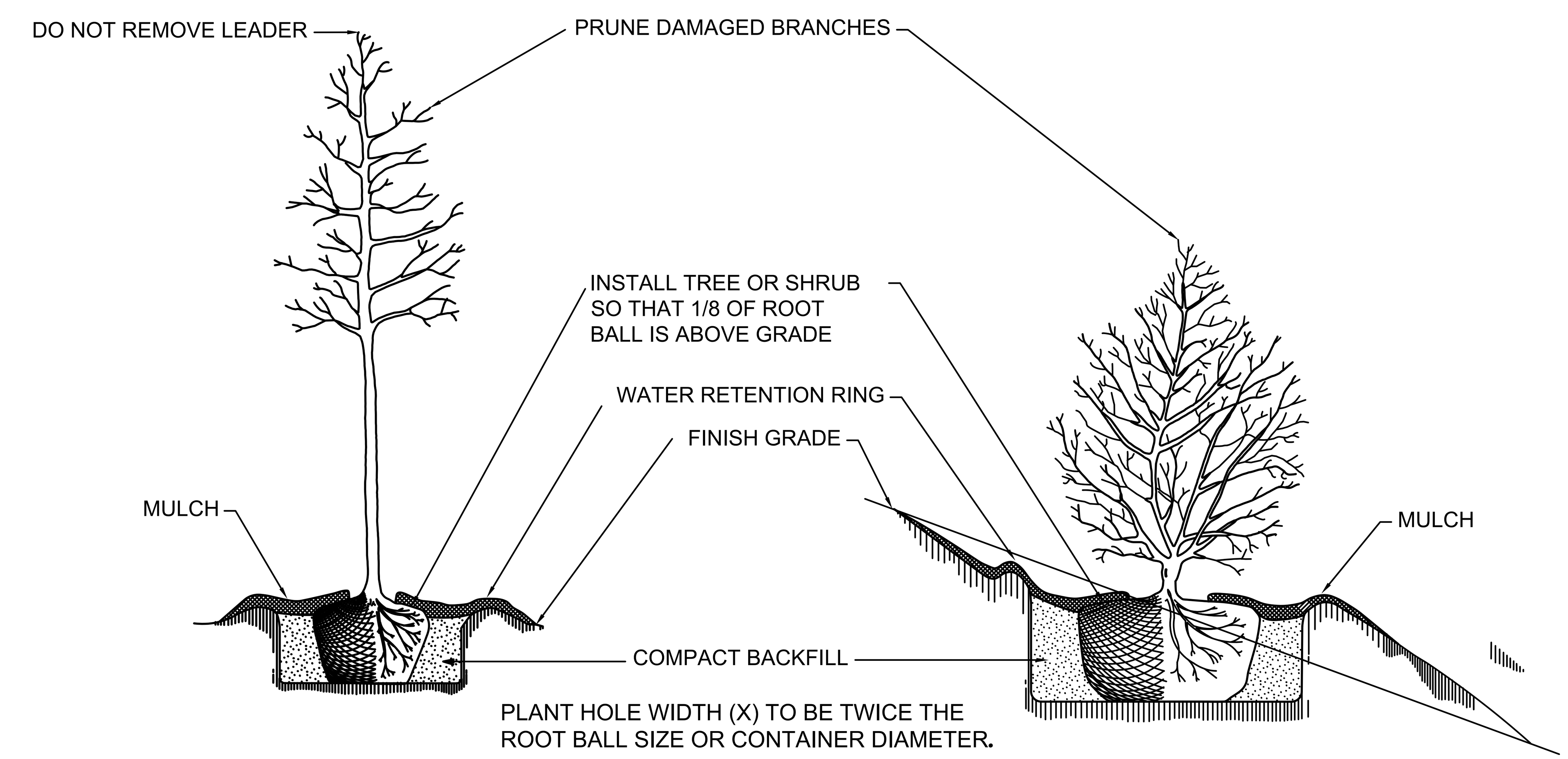


Not Used
Not Used
Not Used

MISCELLANEOUS

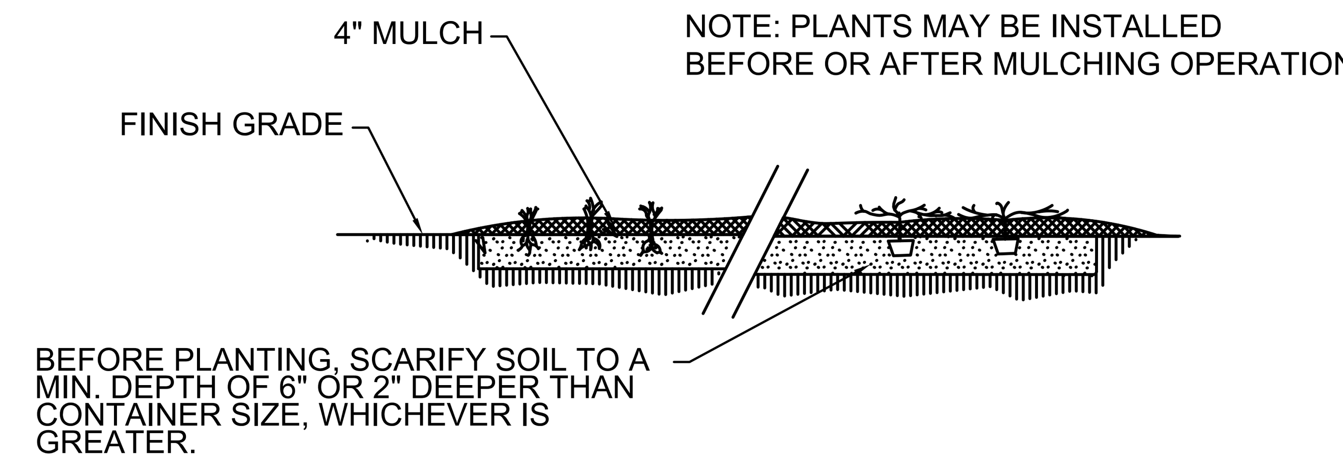
Not Used
Not Used

N.C. Department of Transportation
Roadside Environmental Unit - Design Section
Sheet Layout Plan + Symbology

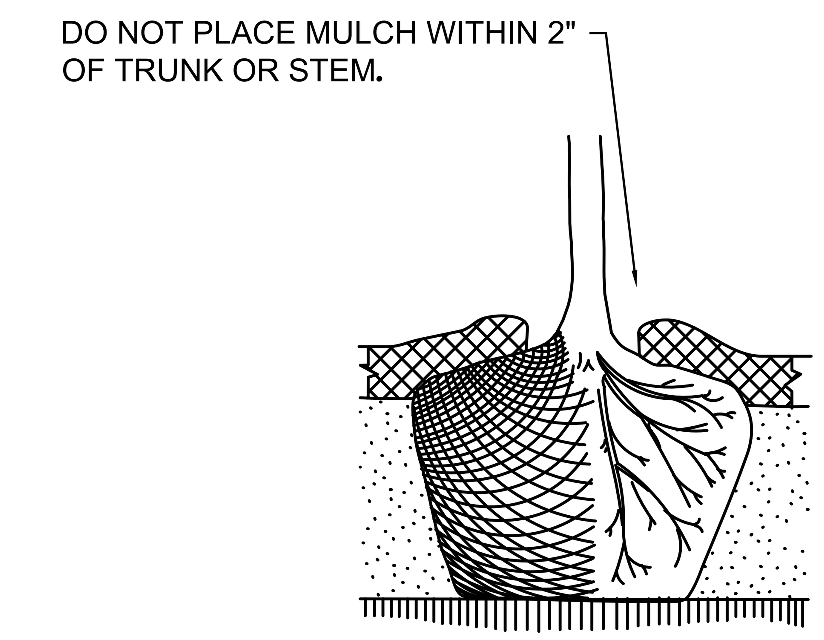


TREE OR SHRUB PLANTING DETAIL
(LEVEL GROUND)

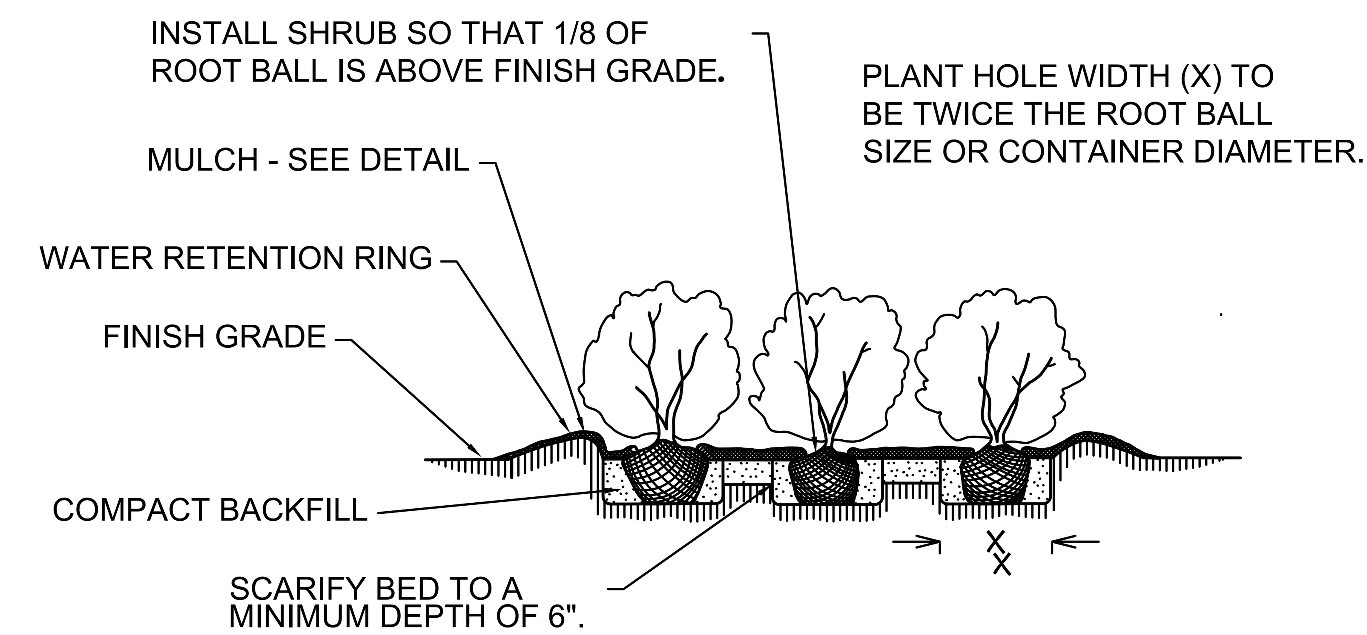
TREE OR SHRUB PLANTING DETAIL
(SLOPING GROUND)



GROUND COVER/BEDDING PLANT DETAIL



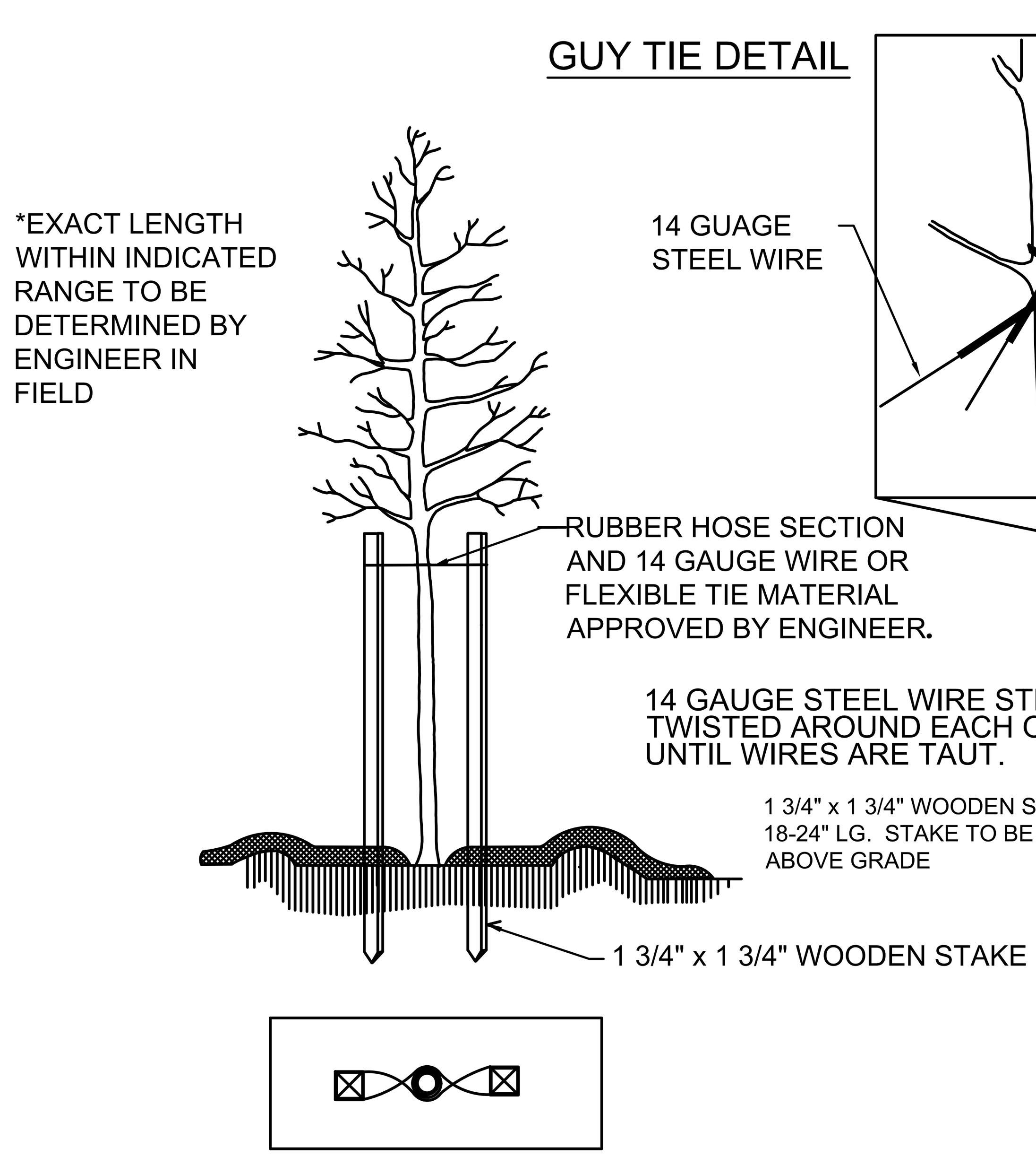
MULCH DETAIL



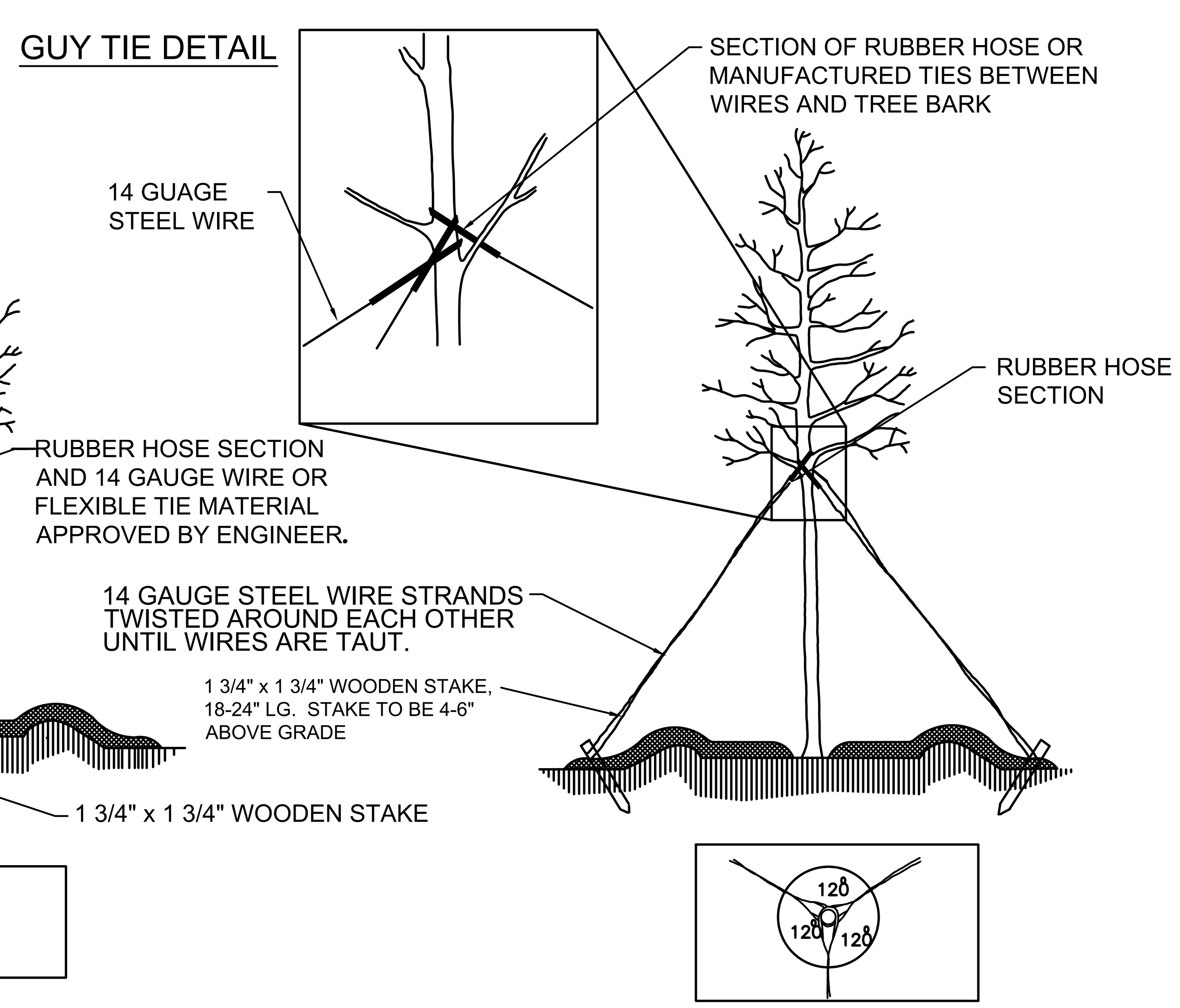
SHRUB BED PLANTING DETAIL

NOTES:

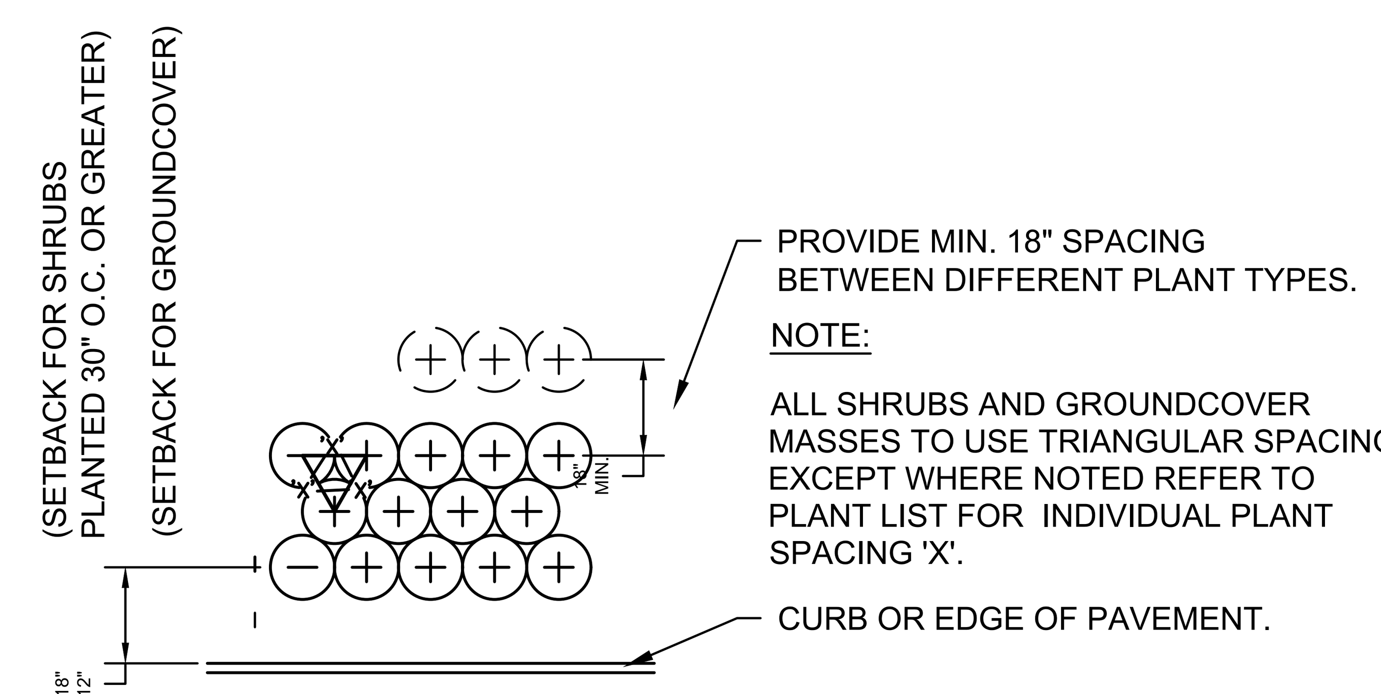
- SCHEDULE FOR PLANT HOLE SIZE: PLANT HOLE WIDTH TO BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.
- SEE STANDARD SPECIFICATIONS FOR PLANT BED FUMIGATION AND HERBICIDAL TREATMENT.
- APPLY FERTILIZER AT PLANTING TIME IN THE FORM OF A SLOW RELEASE PELLET OR TABLET. APPLY AT RATE RECOMMENDED BY MANUFACTURER. 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.
- ALL WORK TO BE IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES (JANUARY 2012).
- QUANTITIES OF MULCH, PRE-EMERGENCE AND POST EMERGENCE HERBICIDAL TREATMENT INCLUDES ALL PROPOSED PLANT BEDS AND SVR/WOODED AREA CLEAN-UP.



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



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



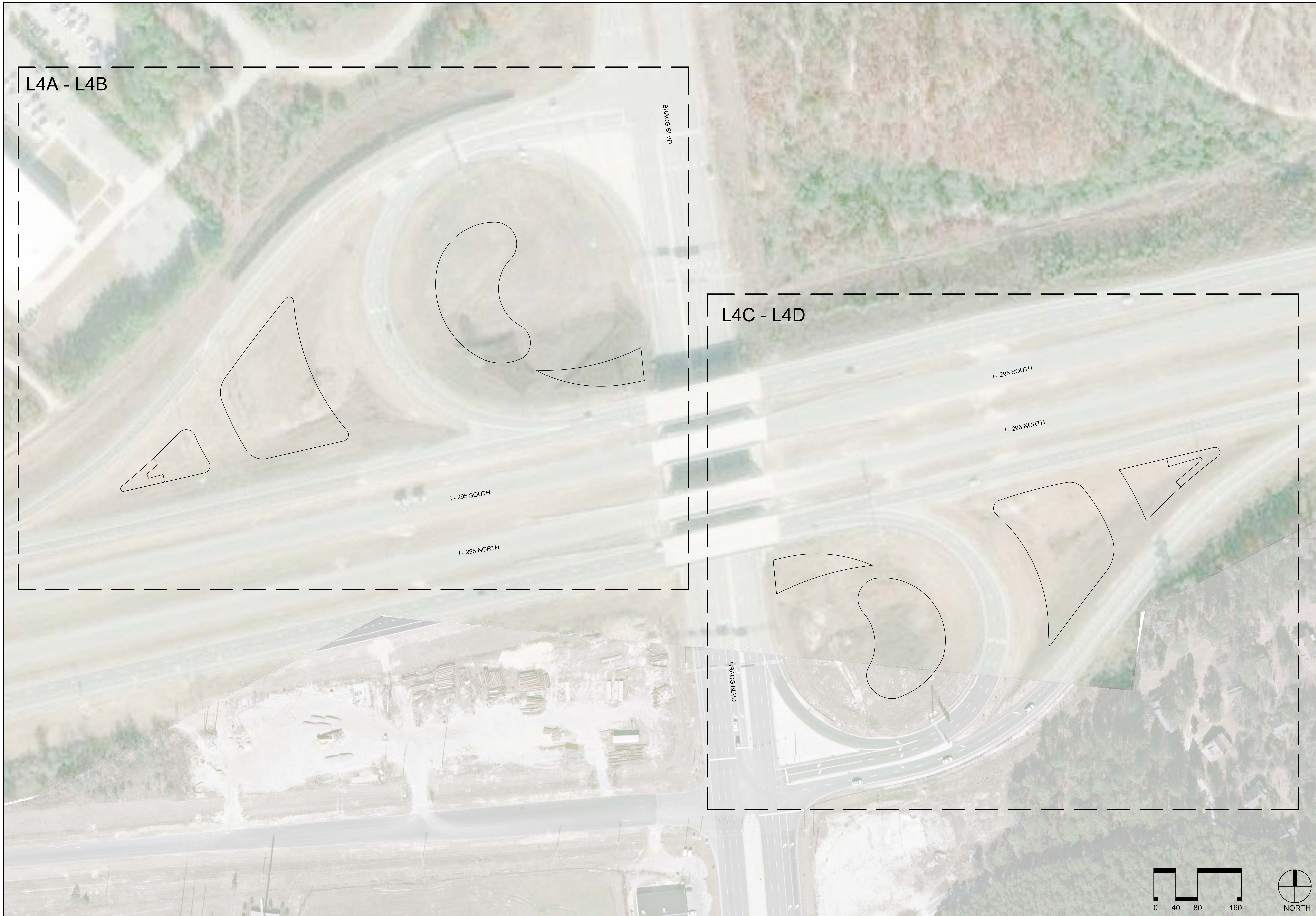
TYPICAL PLANT SPACING

SHEET NO.
L3
PROJECT REF. NO.
WBS 35196.3.18, 35196.3.23, 34817.3.58, 34817.3.12

Fayetteville Outer Loop (I - 295), Fayetteville, NC
Sustainable Landscape Design & Development

N.C. Department of Transportation
Roadside Environmental Unit - Design Section
Planting Details

L3



SHEET NO.
L4

PROJECT REF. NO.
WBS 35196.3.18, 35196.3.23, 34817.3.S8, 34817.3.12

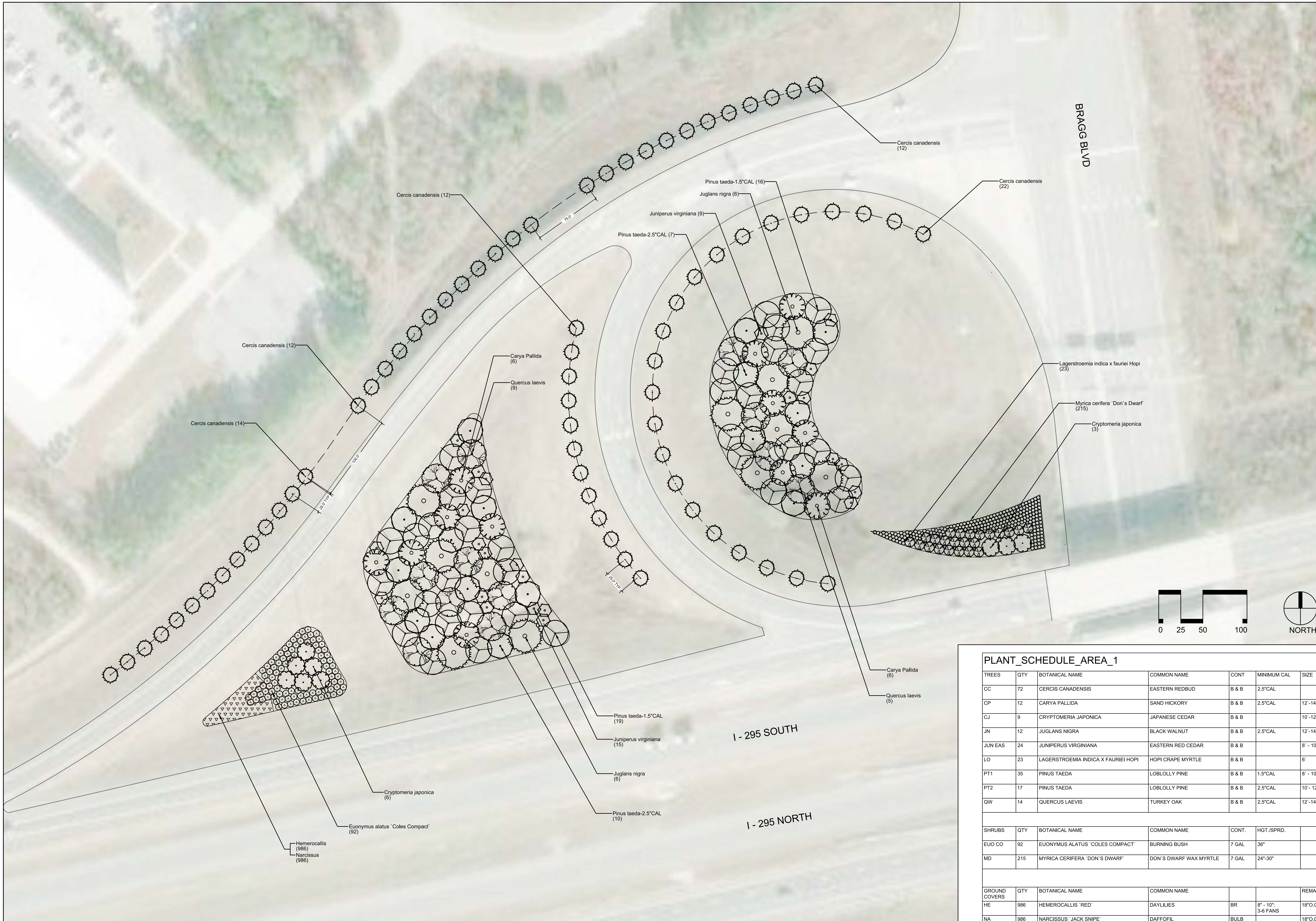
Fayetteville Outer Loop (I - 295), Fayetteville, NC
Sustainable Landscape Design & Development

N.C. Department of Transportation
Roadside Environmental Unit - Design Section
Bragg Blvd Sheet Layout Plan

L4

SHEET NO.
L4A
PROJECT REF. NO.
WBS 35196.3.18, 35196.3.23, 34817.3.S8, 34817.3.12

Fayetteville Outer Loop (I - 295), Fayetteville, NC
Sustainable Landscape Design & Development



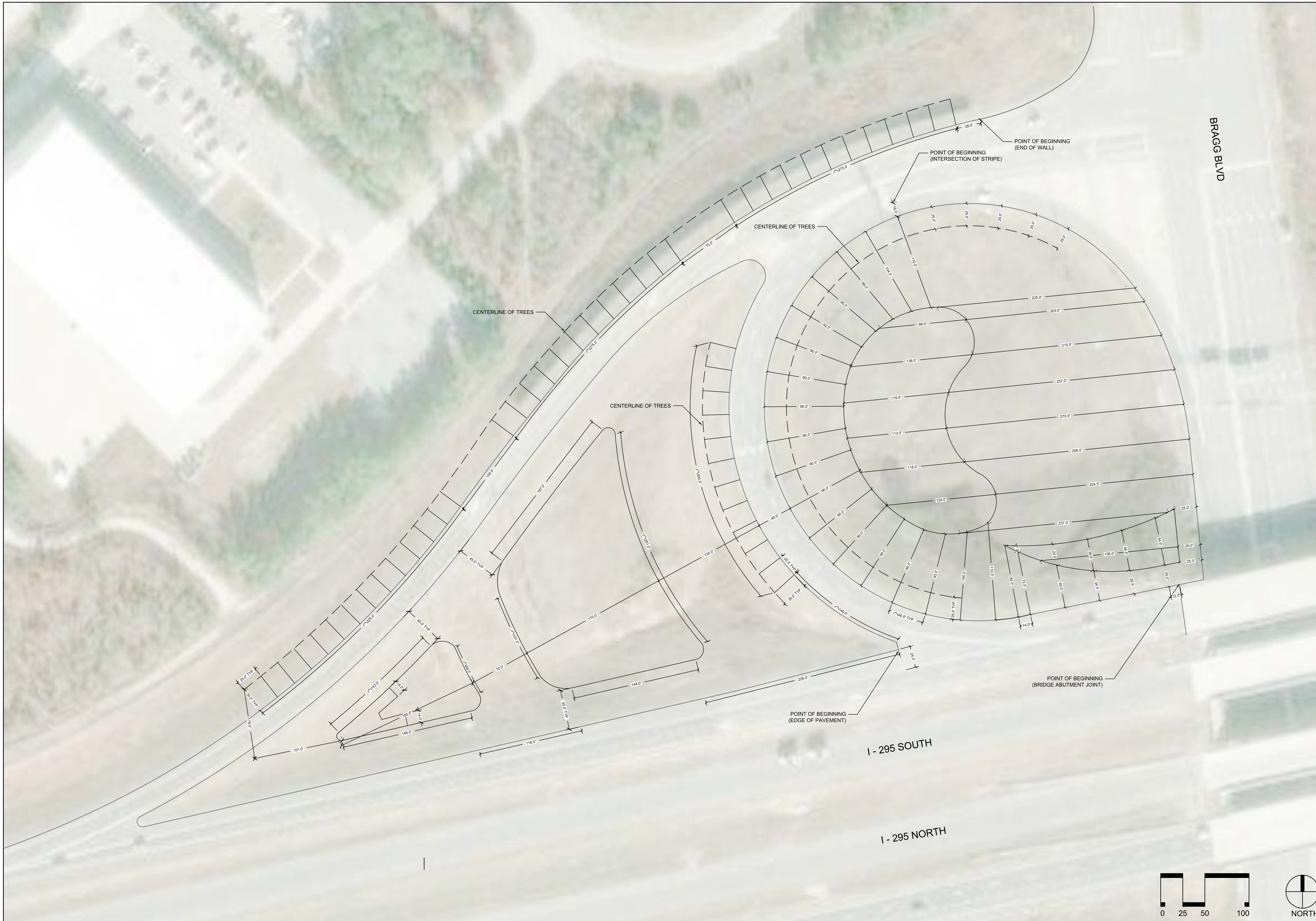
PLANT_SCHEDULE_AREA_1

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	MINIMUM CAL	SIZE
CC	72	CERCIS CANADENSIS	EASTERN REDBUD	B & B	2.5"CAL	
CP	12	CARYA PALLIDA	SAND HICKORY	B & B	2.5"CAL	12`-14`
CJ	9	CRYPTOMERIA JAPONICA	JAPANESE CEDAR	B & B		10`-12`
JN	12	JUGLANS NIGRA	BLACK WALNUT	B & B	2.5"CAL	12`-14`
JUN EAS	24	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	B & B		8` - 10`
LO	23	LAGERSTROEMIA INDICA X FAURIEI HOPI	HOPI CRAPE MYRTLE	B & B		6`
PT1	35	PINUS TAEDA	LOBLOLLY PINE	B & B	1.5"CAL	8` - 10`
PT2	17	PINUS TAEDA	LOBLOLLY PINE	B & B	2.5"CAL	10`- 12`
QW	14	QUERCUS LAEVIS	TURKEY OAK	B & B	2.5"CAL	12`-14`
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT.	HGT./SPRD.	
EUO CO	92	EUONYMUS ALATUS `COLES COMPACT`	BURNING BUSH	7 GAL	36"	
MD	215	MYRICA CERIFERA `DON`S DWARF`	DON`S DWARF WAX MYRTLE	7 GAL	24"-30"	
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME			REMARKS
HE	986	HEMEROCALLIS `RED`	DAYLILIES	BR	8" - 10"; 3-6 FANS	18"O.C.
NA	986	NARCISSUS `JACK SNIPE`	DAFFOFIL	BULB		18"O.C

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

N.C. Department of Transportation
Roadside Environmental Unit - Design Section
Bragg Blvd Area 1 Planting Plan

L4A

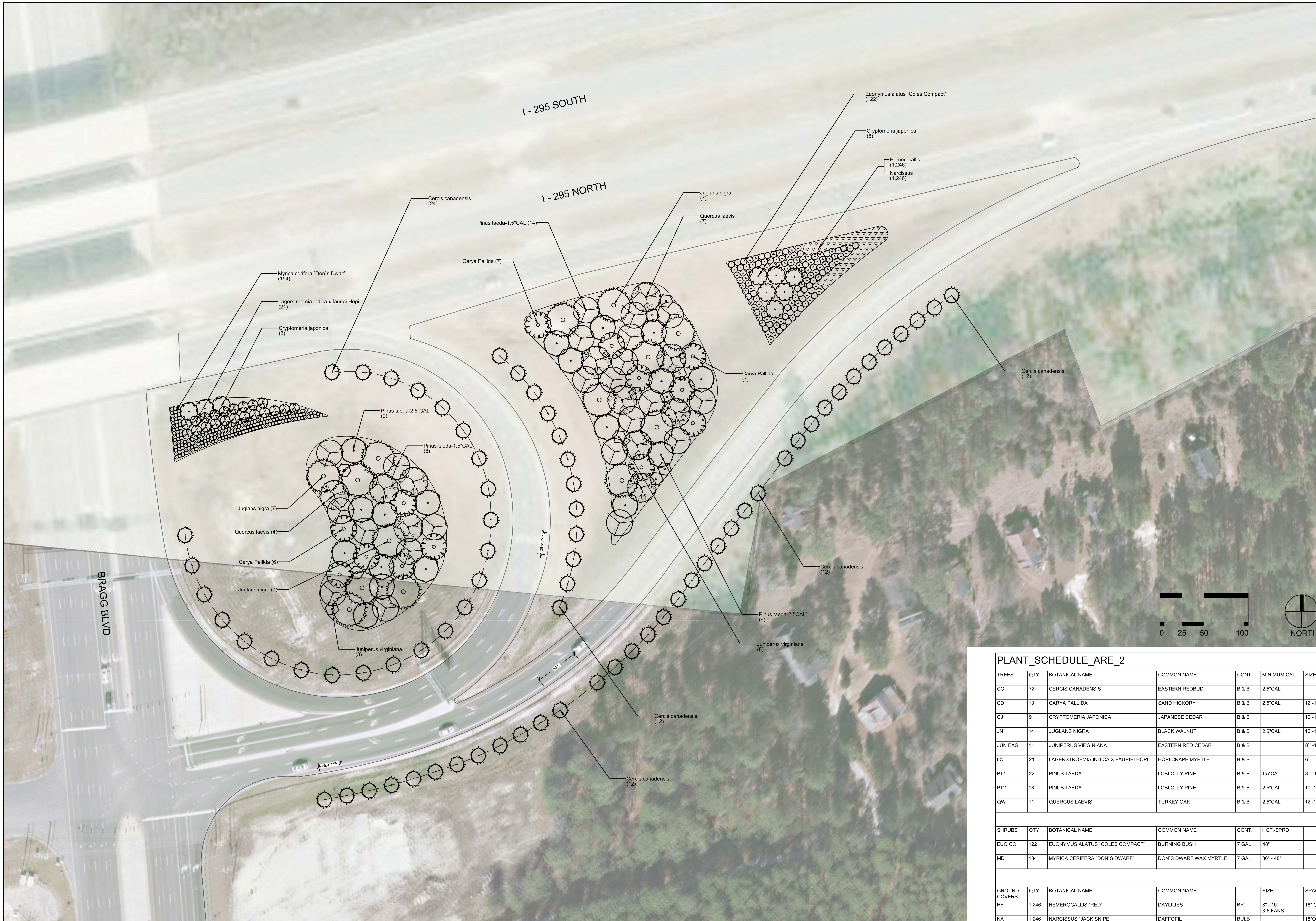


SHEET NO.
L4B
PROJECT REF. NO.

Fayetteville Outer Loop (I - 295), Fayetteville, NC
Sustainable Landscape Design & Development

N.C. Department of Transportation
Roadside Environmental Unit - Design Section
Bragg Blvd Area 1 Layout Plan

L4B



PLANT_SCHEDULE_ARE_2

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	MINIMUM CAL	SIZE
CC	72	CERCIS CANADENSIS	EASTERN REDBUD	B & B	2.5"CAL	
CD	13	CARYA PALLIDA	SAND HICKORY	B & B	2.5"CAL	12`-14`
CJ	9	CRYPTOMERIA JAPONICA	JAPANESE CEDAR	B & B		10`-12`
JN	14	JUGLANS NIGRA	BLACK WALNUT	B & B	2.5"CAL	12`-14`
JUN EAS	11	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	B & B		8` -10`
LO	21	LAGERSTROEMIA INDICA X FAURIEI HOPI	HOPI CRAPE MYRTLE	B & B		6`
PT1	22	PINUS TAEDA	LOBLOLLY PINE	B & B	1.5"CAL	8` - 10`
PT2	18	PINUS TAEDA	LOBLOLLY PINE	B & B	2.5"CAL	10 -12`
QW	11	QUERCUS LAEVIS	TURKEY OAK	B & B	2.5"CAL	12 -14`
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT.	HGT./SPRD	
EUO CO	122	EUONYMUS ALATUS `COLES COMPACT`	BURNING BUSH	7 GAL	48"	
MD	184	MYRICA CERIFERA `DON`S DWARF`	DON`S DWARF WAX MYRTLE	7 GAL	36" - 48"	
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME		SIZE	SPACING
HE	1,246	HEMEROCALLIS `RED`	DAYLILIES	BR	8" - 10"; 3-6 FANS	18" O.C.
NA	1,246	NARCISSUS `JACK SNIPE`	DAFFOFIL	BULB		18"O.C

SHEET NO.
L4C

PROJECT REF. NO.
WBS 35196.3.18, 35196.3.23, 34817.3.S8, 34817.3.12

Fayetteville Outer Loop (I - 295), Fayetteville, NC
Sustainable Landscape Design & Development

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

N.C. Department of Transportation
Roadside Environmental Unit - Design Section
Bragg Blvd Area 2 Planting Plan

L4C

SHEET NO.
L4D
PROJECT REF. NO.

Fayetteville Outer Loop (I - 295), Fayetteville, NC
Sustainable Landscape Design & Development

N.C. Department of Transportation
Roadside Environmental Unit - Design Section
Bragg Blvd Area 2 Layout Plan

L4D