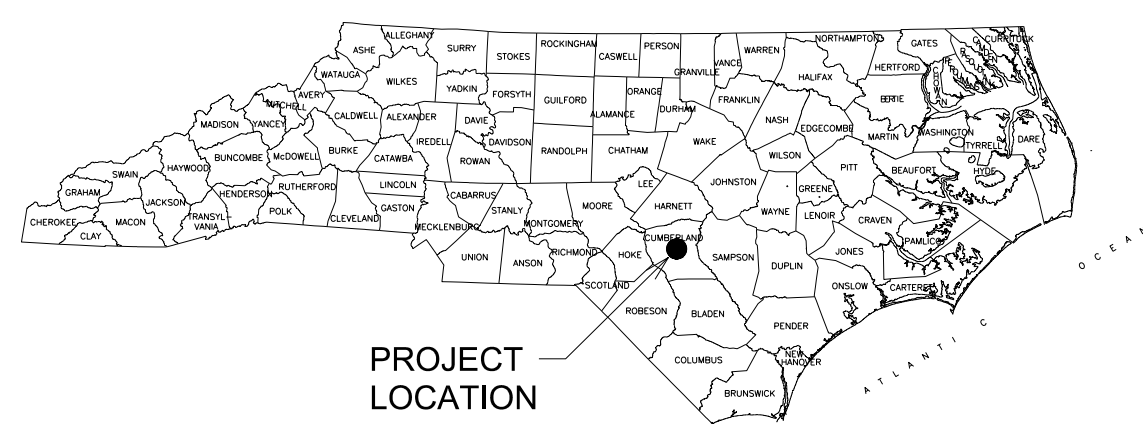


PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



PROJECT: ULTRIS PATRIOT PARK FAYETTEVILLE, NC

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, 34817.3.58, 34817.3.12	L1	11
FED. PROJECT #	DESCRIPTION	DIVISION	
-----	LANDSCAPE	6	



Summary of Project Quantities

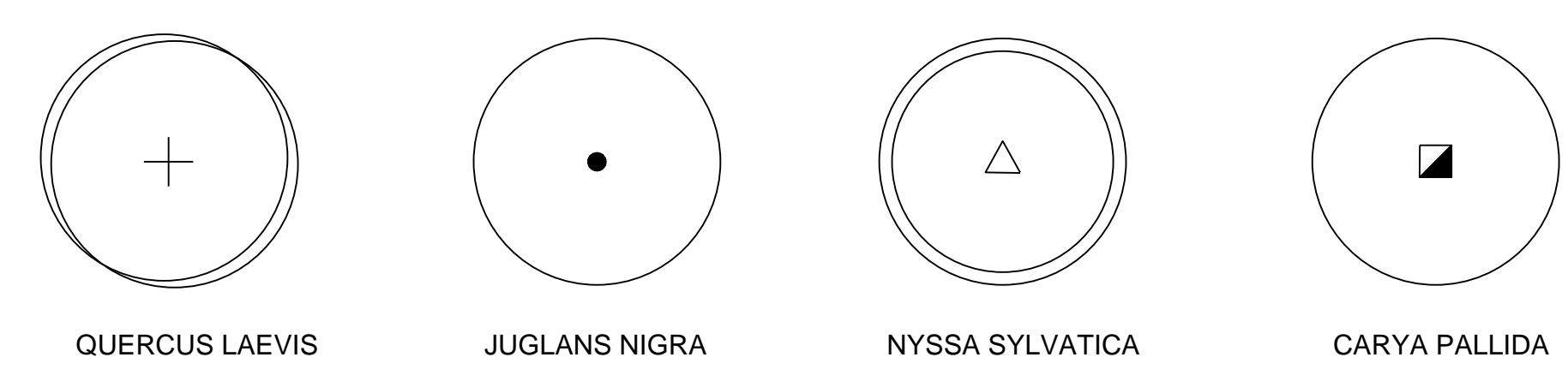
PLANT SCHEDULE							
TREES							
QTY	BOTANICAL NAME	COMMON NAME	FURNISH	CAL	HGT/SPRD	ASNS STD (MIN)	REMARKS
8	CARYA PALLIDA	SAND HICKORY	B&B	3-1/2"	12-14' hgt	28" dia x 17" dep	
55	CERCIS CANADENSIS	EASTERN RED BUD	B&B	2"	8-10' hgt	24" dia x 15" dep	3 CANES MIN., IF MULTI-STEM
62	CORNUS FLORIDA	FLOWERING DOGWOOD	B&B	2"	8-10' hgt	24" dia x 15" dep	3 CANES MIN., IF MULTI-STEM
7	JUGLANS NIGRA	BLACK WALNUT	B&B	3-1/2"	10-12' hgt	28" dia x 17" dep	
107	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	B&B		8-10' hgt	24" dia x 15" dep	
38	MYRICA CERIFERA	WAXMYRTLE	B&B		6-8' hgt	24" dia x 15" dep	
8	NYSSA SYLVATICA	BLACK GUM	B&B	3-1/2"	12-14' hgt	28" dia x 17" dep	
49	PINUS MUGO	MUGO PINE	B&B		6-8' hgt	24" dia x 15" dep	
74	PINUS TAEDA	LOBLOLLY PINE	B&B		8-10' hgt	28" dia x 17" dep	
10	QUERCUS LAEVIS	AMERICAN TURKEY OAK	B&B	3-1/2"	12-14' hgt	28" dia x 17" dep	

CONVENTIONAL SYMBOLS

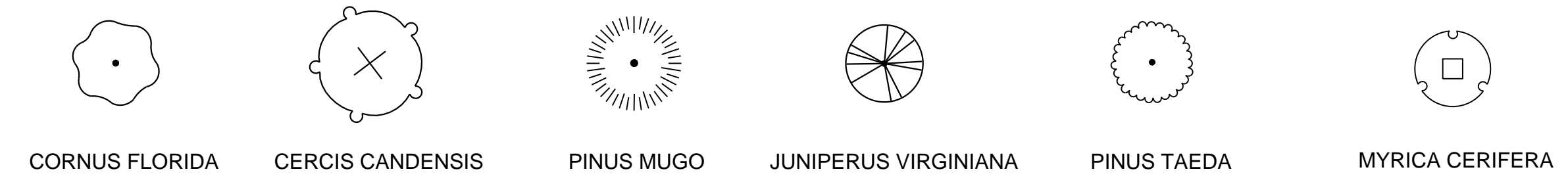
County Line	-----
City or Town Line	-----
Exist. Right of Way Line Marker	-----
Prop. Right of Way Line Marker (By Others)	-----
Prop Right of Way Line Marker (By Contract)	-----
Exist. Control of Access Line	-----
Prop. Control of Access Line	-----
Property Line	-----
Easement Line	-----
Slope Stake 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	-----

PLANT SYMBOLOGY

LARGE TREES



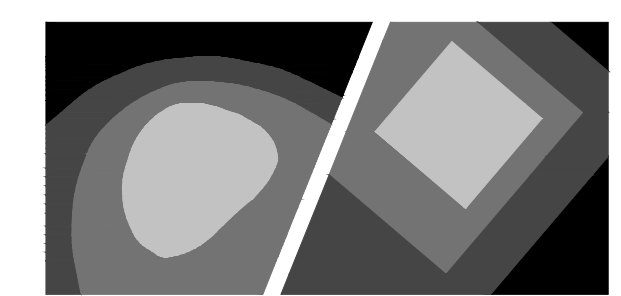
MEDIUM TREES



INDEX OF SHEETS:

- L1 ... TITLE SHEET + QUANTITIES
- L2 ... PLANTING DETAILS
- L3 ... SHEET KEY PLAN
- L4 ... PLANTING PLAN
- L4.1 ... PLANTING LAYOUT PLAN
- L5 ... PLANTING PLAN
- L5.1 ... PLANTING LAYOUT PLAN
- L6 ... PLANTING PLAN
- L6.1 ... PLANTING LAYOUT PLAN
- L7 ... PLANTING PLAN
- L7.1 ... PLANTING LAYOUT PLAN

PREPARED BY:



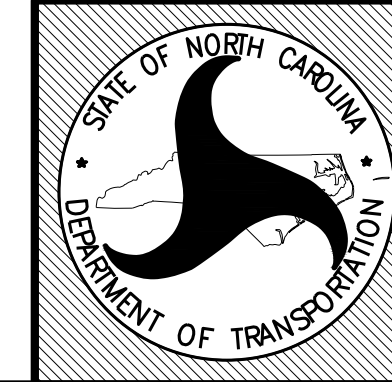
STEWART

421 FAYETTEVILLE ST., STE 400 FIRM LICENSE # C-1051
 RALEIGH, NC 27601 www.stewartinc.com
 T 919.380.8750 PROJECT #: C16071

DATE: 11/13/2017

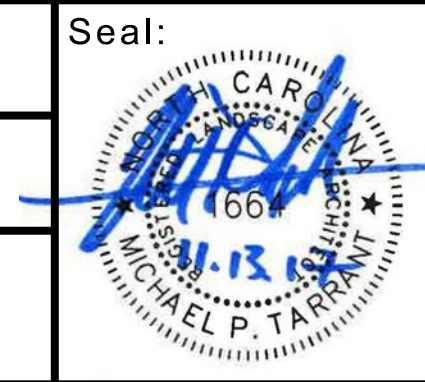
REVISIONS

DATE	DESCRIPTION

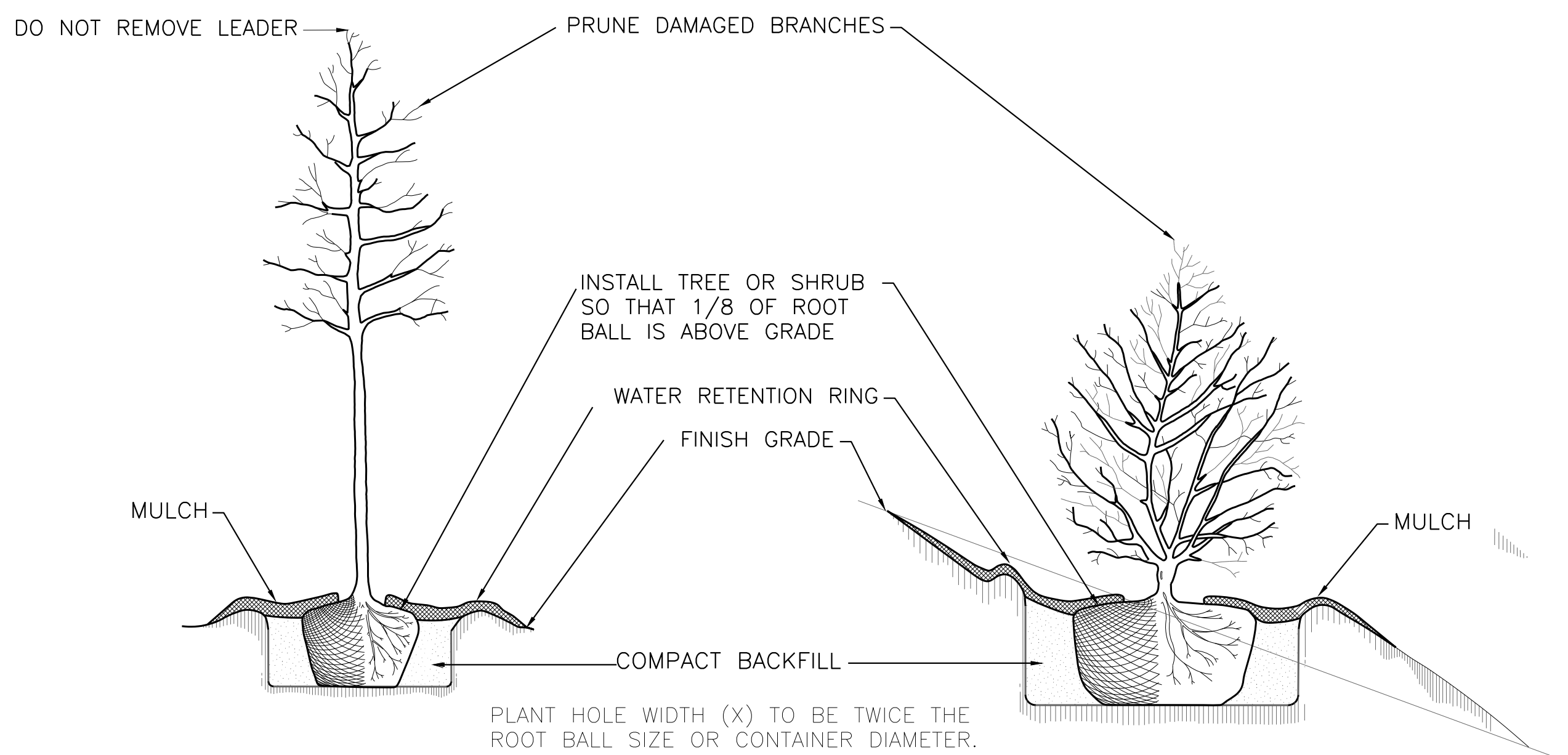
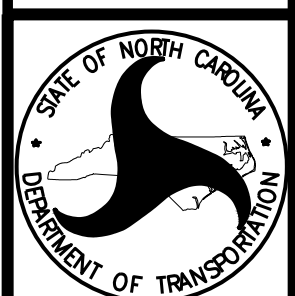


STATE OF
NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION

LOCATION: I-295 ULTRIS PATRIOT PARK FAYETTEVILLE, NC
 TYPE of WORK: LANDSCAPE DEVELOPMENT
 COUNTY: CUMBERLAND COUNTY

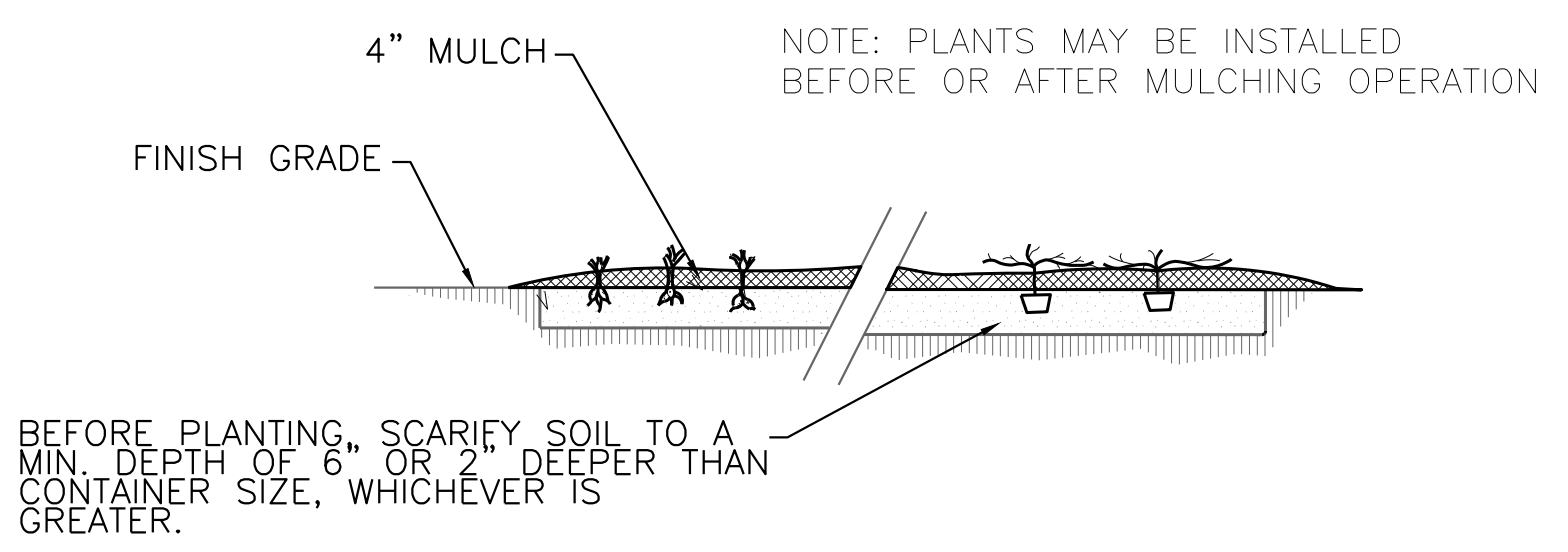


2004 American Standard for Nursery Stock
 2012 NCDOT STANDARD SPECIFICATIONS
 PREPARED FOR THE OFFICE OF:
 NCDOT- ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT SECTION
 1557 MAIL SERVICE CENTER
 RALEIGH NC 27699 919-707-2935

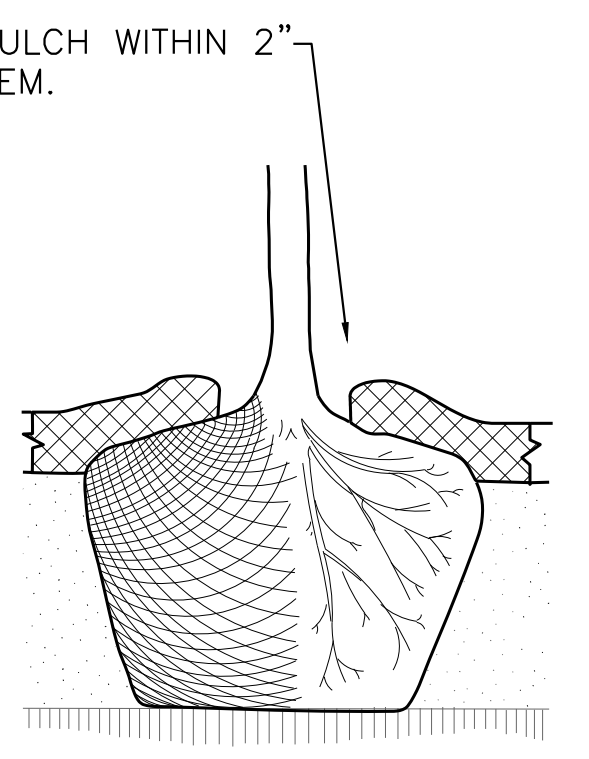


TREE OR SHRUB PLANTING DETAIL (LEVEL GROUND)

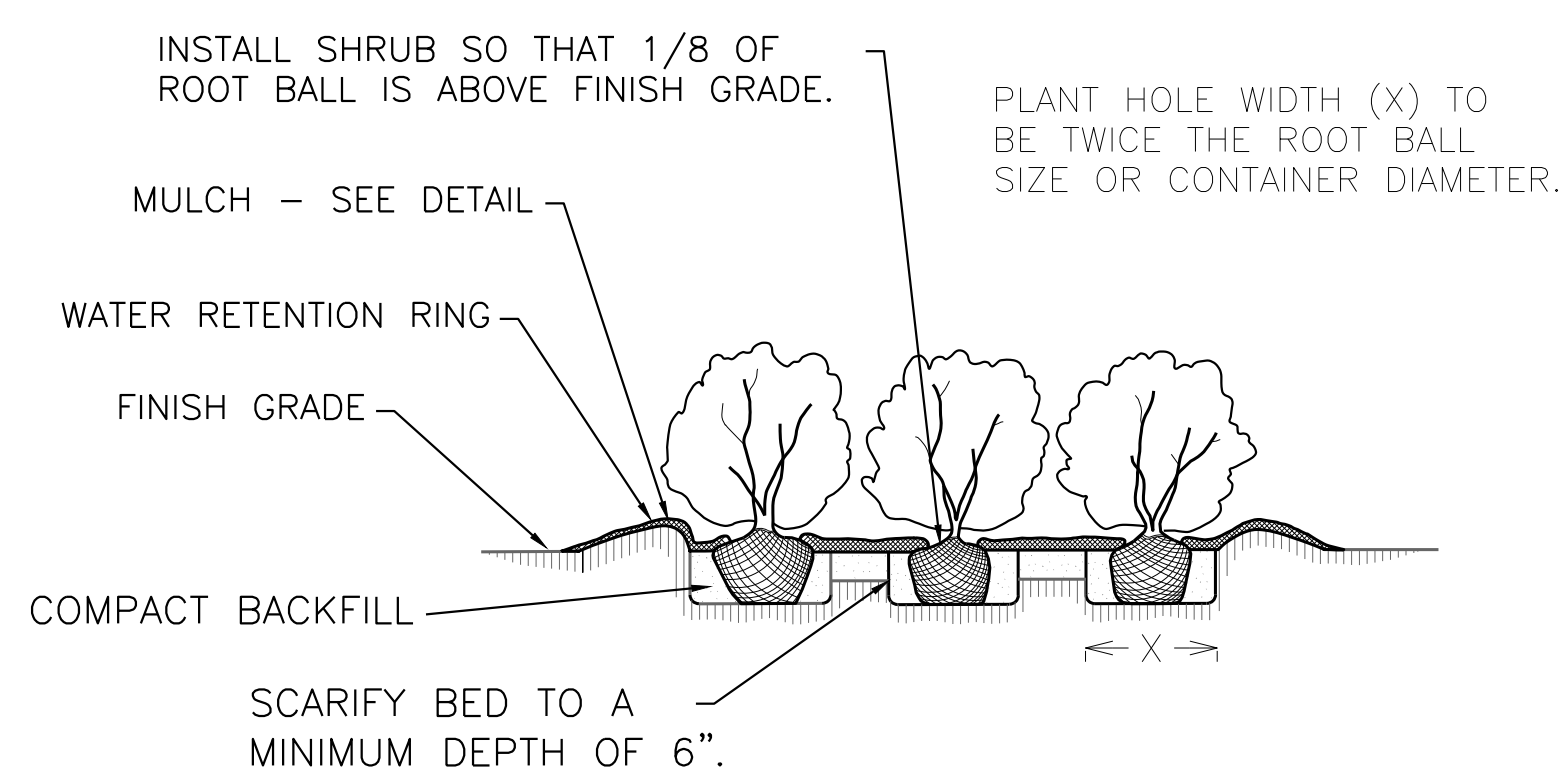
TREE OR SHRUB PLANTING DETAIL (SLOPING GROUND)



GROUND COVER/ BEDDING PLANT DETAIL



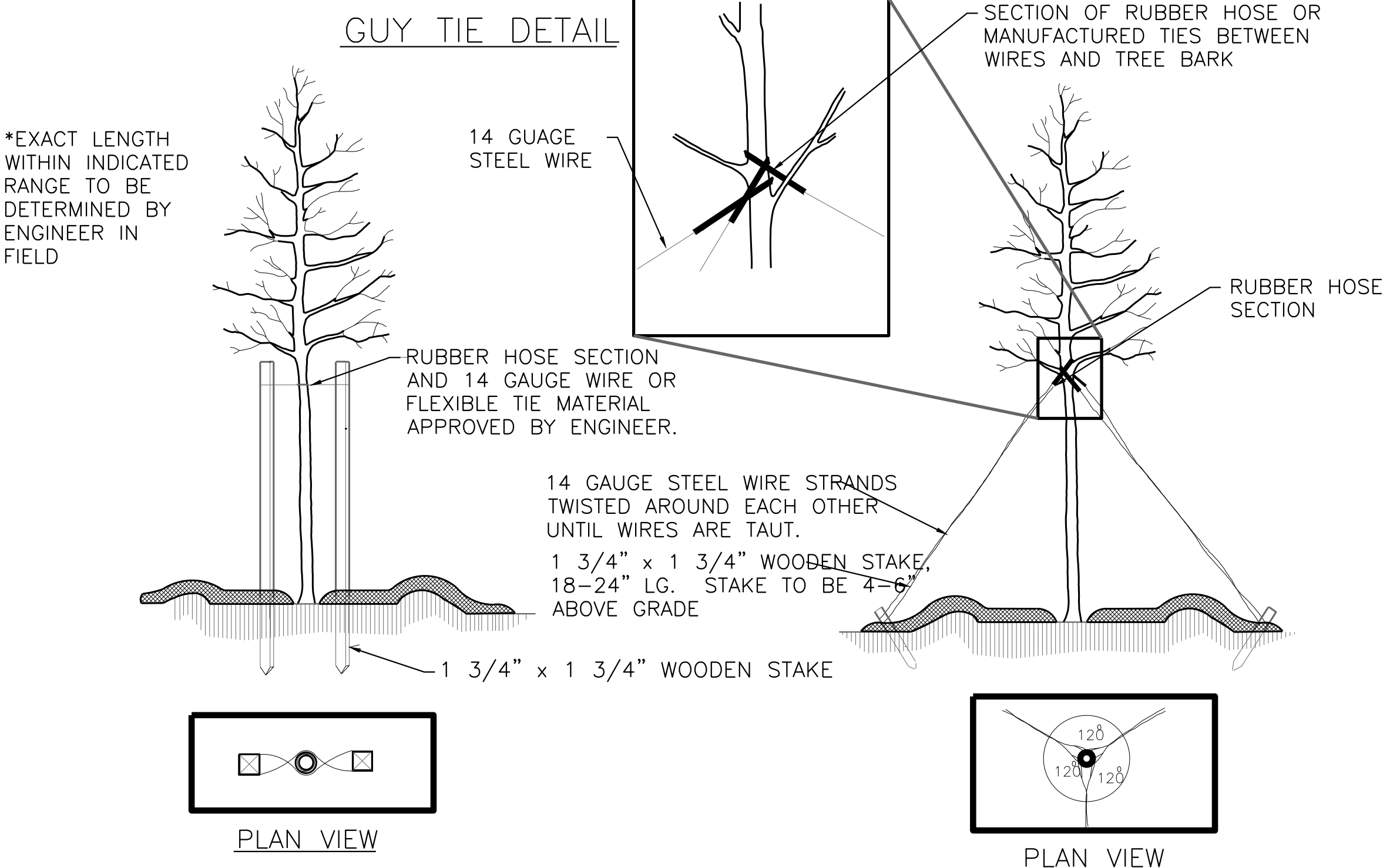
MULCH DETAIL



SHRUB BED PLANTING DETAIL

NOTES:

- SCHEDULE FOR PLANT HOLE SIZE: PLANT HOLE WIDTH (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 PELLETT 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).
- SELECTED VEGETATION REMOVAL (SVR) AND WOODED AREA CLEAN-UP LIMITS 30 FT. FROM OUTER EDGE OF EXISTING VEGETATION.
- QUANTITIES OF MULCH, PRE-EMERGENCE AND POST EMERGENCE HERBICIDAL TREATMENT INCLUDES ALL PROPOSED PLANT BEDS AND SVR/WOODED AREA CLEAN-UP.

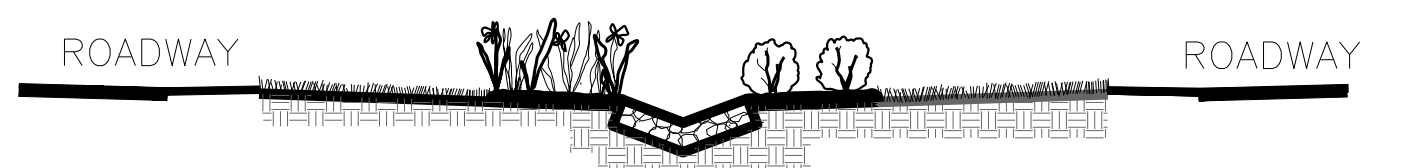


STAKING DETAIL (TREES 6'-10')

USE AS DIRECTED BY FIELD ENGINEER

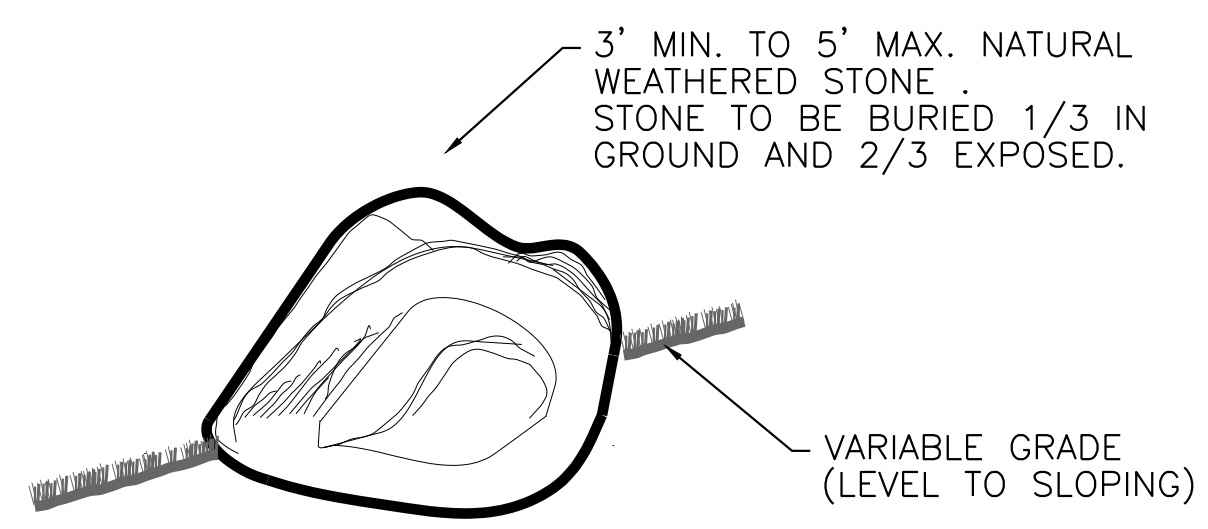
GUYING DETAIL (TREES 10' OR LARGER)

USE AS DIRECTED BY FIELD ENGINEER

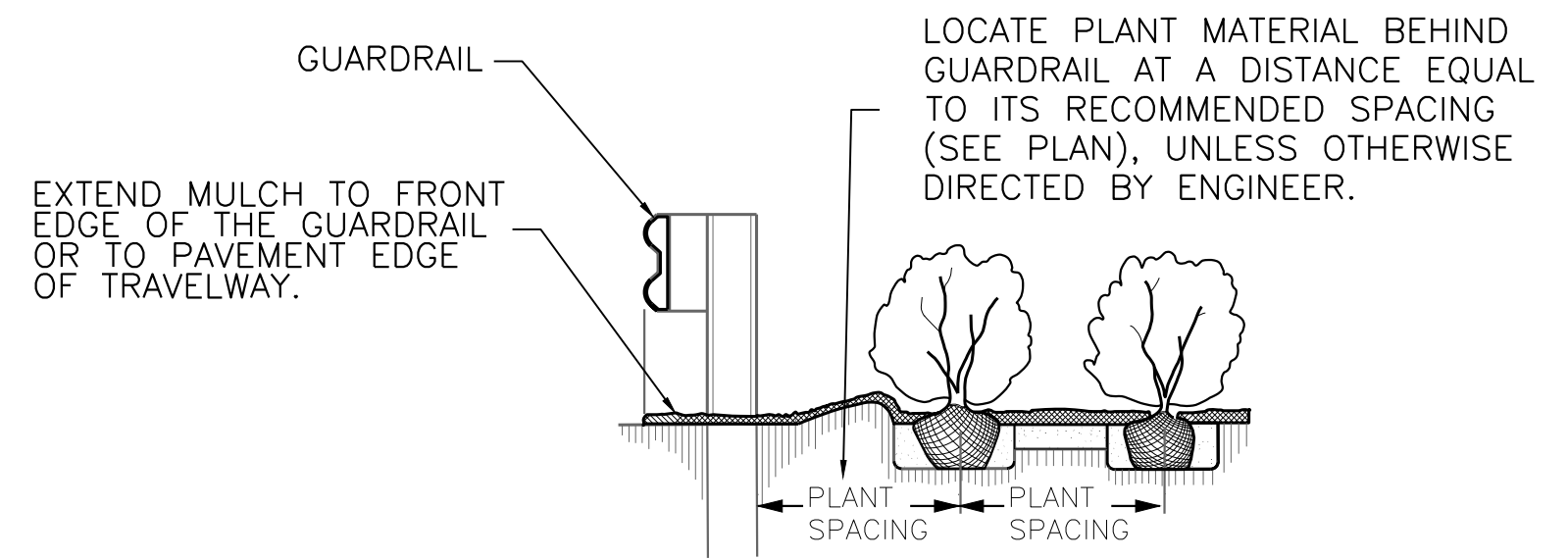


RIVERSTONE DITCH LINING DETAIL

WASHED RIVER STONE (MIN. 2 INCH - MAX 6 INCH DIAM) ON FILTER FABRIC LINER IN DITCH. PLACE STONE FLUSH WITH DITCH GRADE FOR MAXIMUM WATER FLOW.



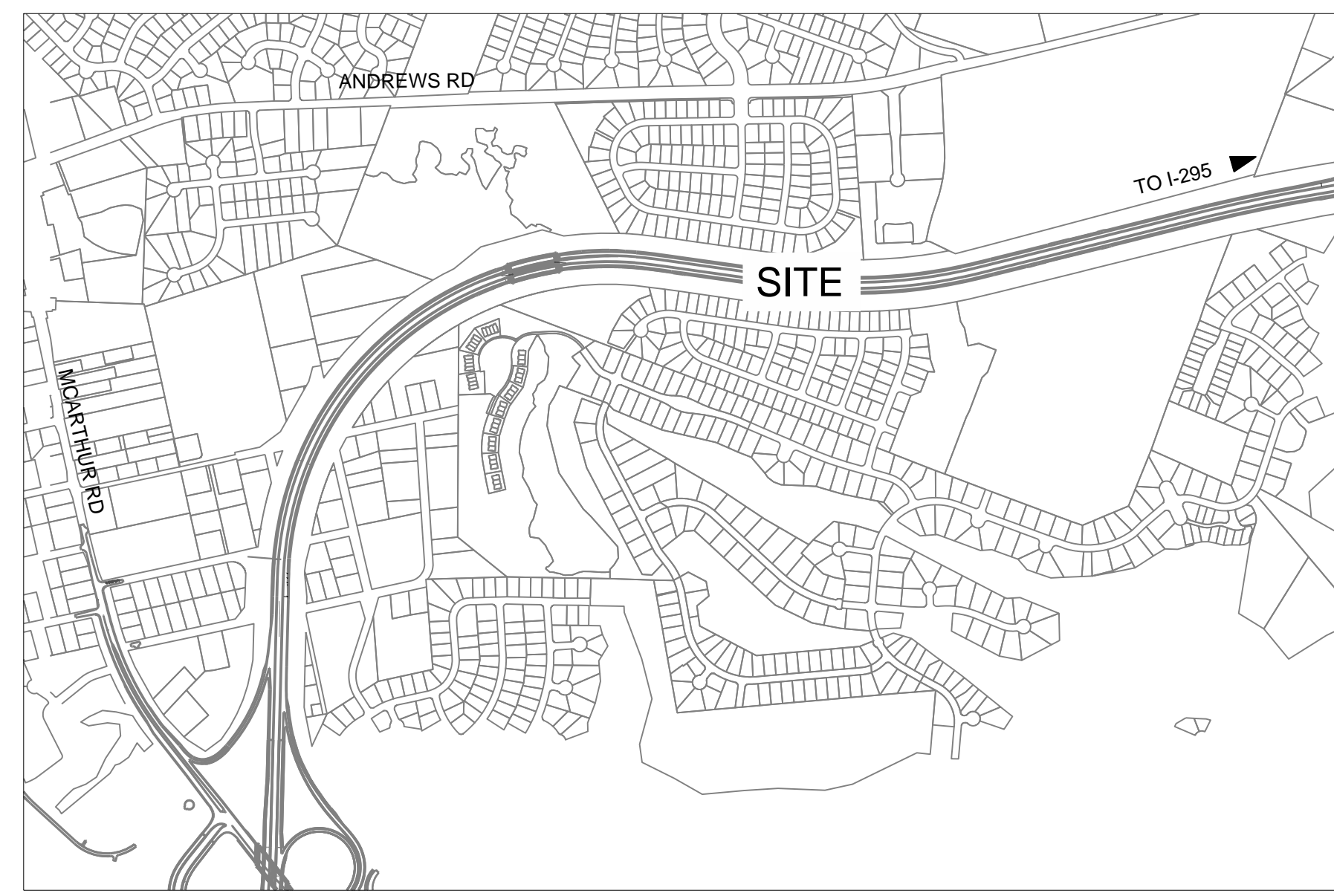
BOULDER PLACEMENT DETAIL TYPICAL



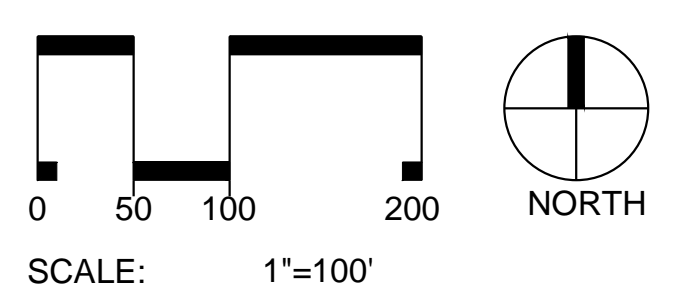
GUARDRAIL MULCHING DETAIL

USE AS DIRECTED BY FIELD ENGINEER

07/09/97



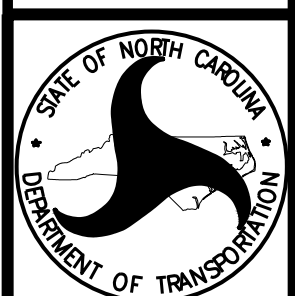
VICINITY MAP SCALE: 1" = 1000'



SHEET NO. L3

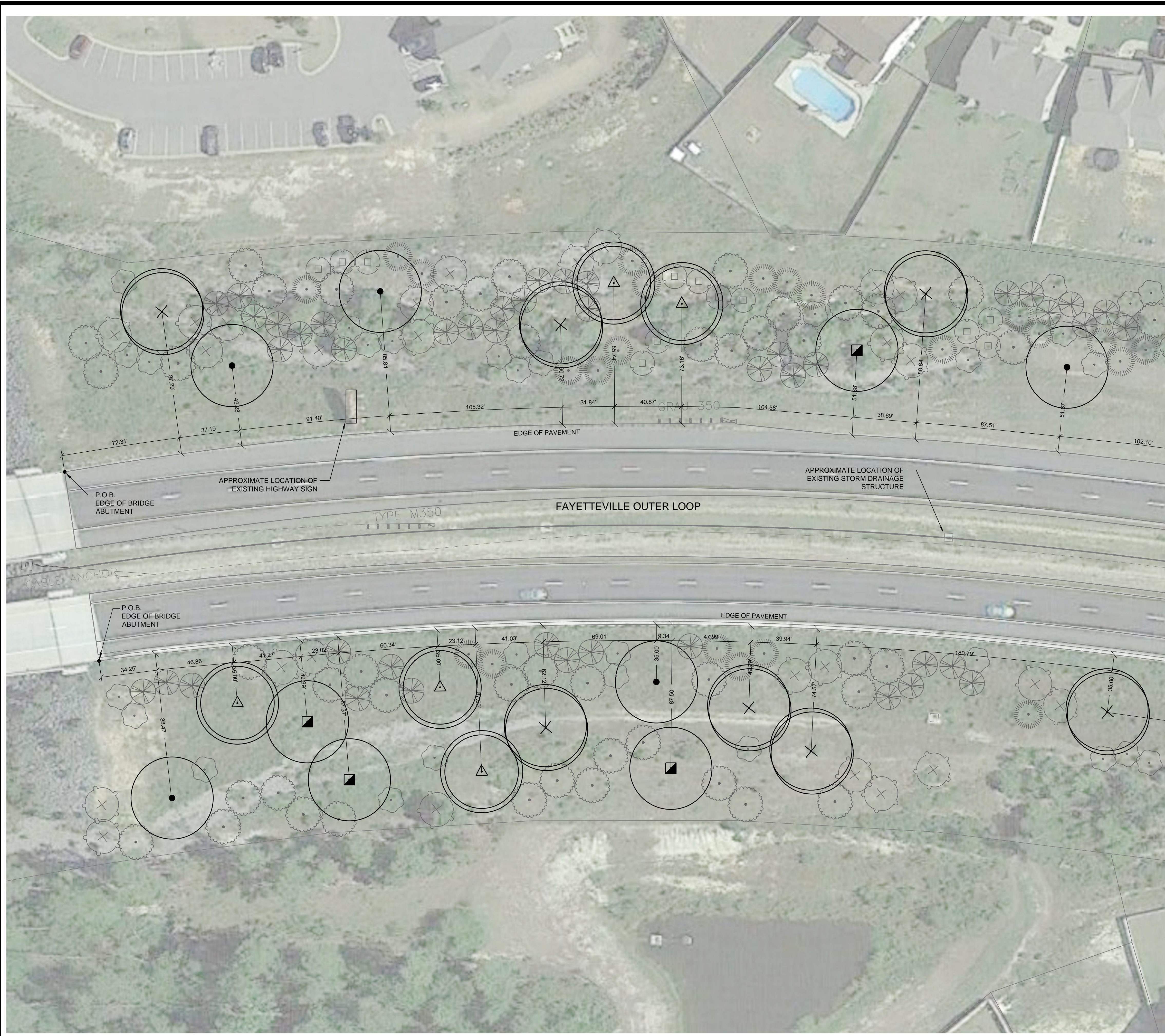
PROJECT REF. NO.

Sustainable Landscape Design & Development Fayetteville, North Carolina, All American Hwy From Owen Rd to Fort Bragg



N.C. Department of Transportation Roadside Environmental Unit - Design Section SHEET KEY PLAN

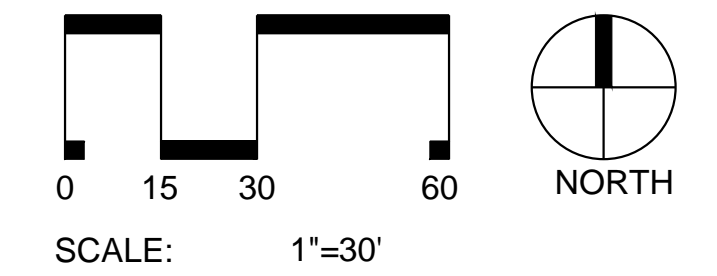
L3



PLANT LIST		
SYMBOL	SCIENTIFIC NAME	COMMON NAME
	CARYA PALLIDA	SAND HICKORY
	CERCIS CANDENSIS	EASTERN RED BUD
	CORNUS FLORIDA	FLOWERING DOGWOOD
	JUGLANS NIGRA	BLACK WALNUT
	JUNIPERUS VIRGINANA	EASTERN RED CEDAR
	MYRICA CERIFERA	WAXMYRTLE
	NYSSA SYLVATICA	BLACK GUM
	PINUS MUGO	MUGO PINE
	PINUS TAEDA	LOBLOLLY PINE
	QUERCUS LAEVIS	AMERICAN TURKEY OAK

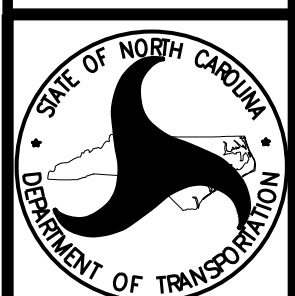
- PLANTING NOTES:**
1. DIMENSIONS SHOWN FOR APPROXIMATE TREE LOCATION.
 2. ALL DIMENSIONS SHOWN TO CENTER OF TREE TRUNK.
 3. CONTRACTOR SHALL PLACE TREE IN APPROXIMATE LOCATION SHOWN. IF THE SITE CONDITIONS CONFLICT WITH TREE LOCATION, CONTRACTOR SHALL PLACE TREE TO HIS BEST JUDGEMENT OR CONTACT LANDSCAPE ARCHITECT.
 4. ALL DIMENSIONS PARALLEL TO ROAD ARE CONTINUOUS FROM POINT OF BEGINNING (P.O.B.). ALL DIMENSIONS PERPENDICULAR TO ROAD ARE TAKEN FROM EDGE OF PAVEMENT.

SEE SHEET L5.1 FOR CONTINUATION

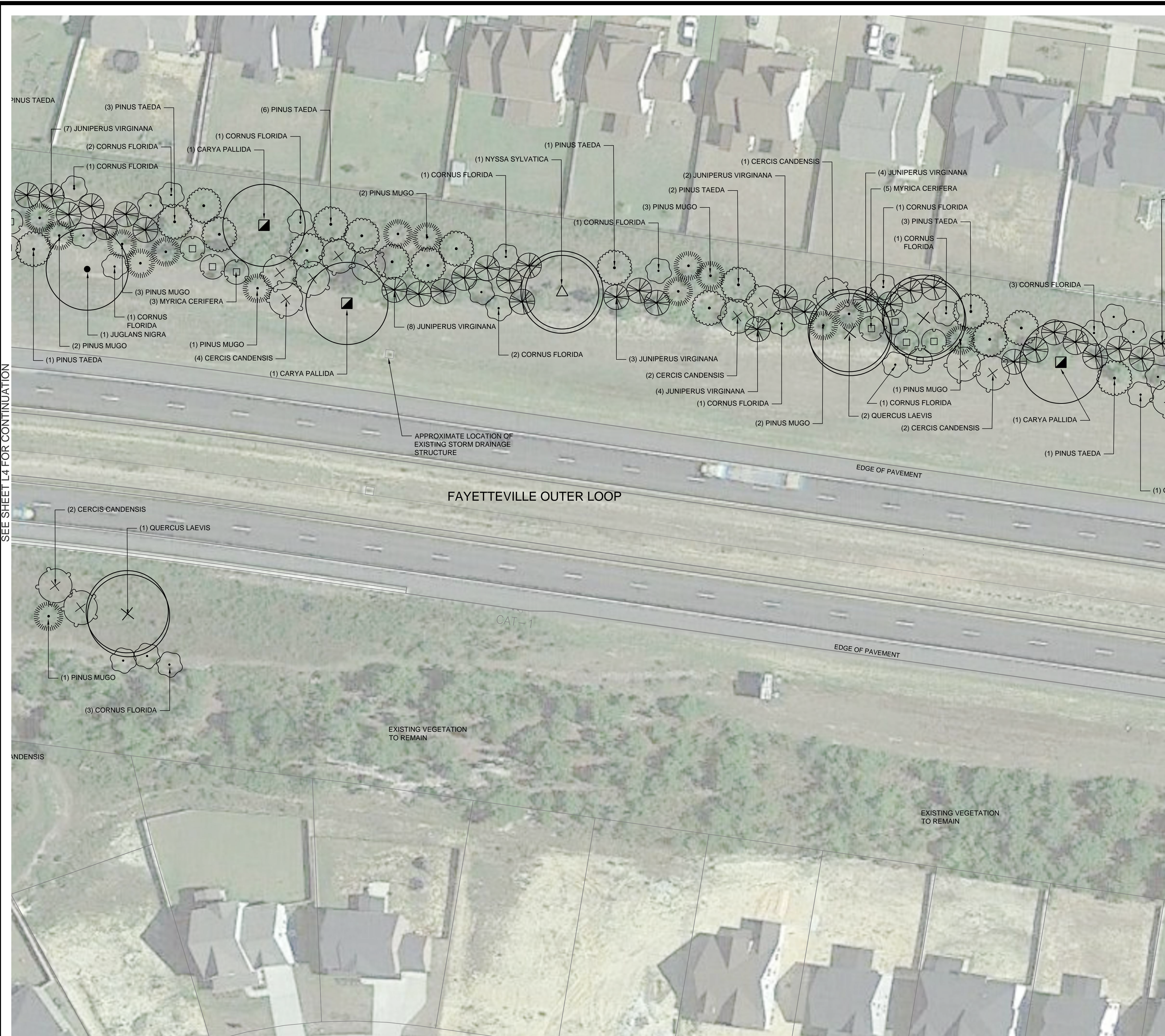


SHEET NO. L4.1
 PROJECT REF. NO. WBS 34877.3.10, 34877.3.06, 35796.3.10 & 34750.1.10

Sustainable Landscape Design & Development
 Fayetteville, North Carolina, All American Hwy From Owen Rd to Fort Bragg



N.C. Department of Transportation
 Roadside Environmental Unit - Design Section
 PLANTING LAYOUT PLAN



PLANT LIST		
SYMBOL	SCIENTIFIC NAME	COMMON NAME
	CARYA PALLIDA	SAND HICKORY
	CERCIS CANDENSIS	EASTERN RED BUD
	CORNUS FLORIDA	FLOWERING DOGWOOD
	JUGLANS NIGRA	BLACK WALNUT
	JUNIPERUS VIRGINANA	EASTERN RED CEDAR
	MYRICA CERIFERA	WAXMYRTLE
	NYSSA SYLVATICA	BLACK GUM
	PINUS MUGO	MUGO PINE
	PINUS TAEDA	LOBLOLLY PINE
	QUERCUS LAEVIS	AMERICAN TURKEY OAK

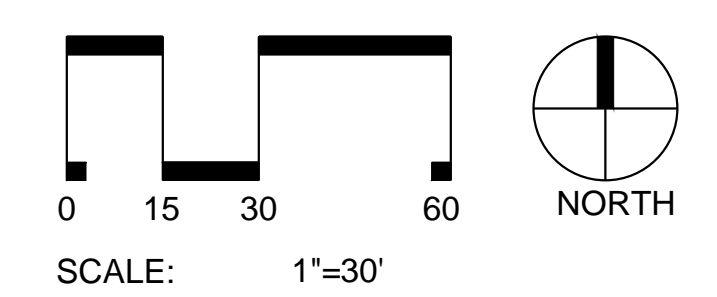
SEE SHEET L4 FOR CONTINUATION

SEE SHEET L6 FOR CONTINUATION

Sustainable Landscape Design & Development Fayetteville, North Carolina, All American Hwy From Owen Rd to Fort Bragg



N.C. Department of Transportation Roadside Environmental Unit - Design Section PLANTING PLAN



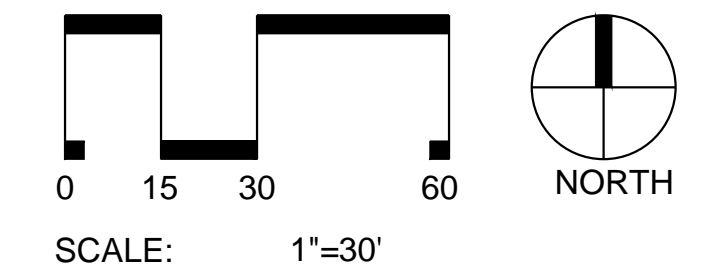
SEE SHEET L4.1 FOR CONTINUATION



PLANT LIST		
SYMBOL	SCIENTIFIC NAME	COMMON NAME
	CARYA PALLIDA	SAND HICKORY
	CERCIS CANDENSIS	EASTERN RED BUD
	CORNUS FLORIDA	FLOWERING DOGWOOD
	JUGLANS NIGRA	BLACK WALNUT
	JUNIPERUS VIRGINANA	EASTERN RED CEDAR
	MYRICA CERIFERA	WAXMYRTLE
	NYSSA SYLVATICA	BLACK GUM
	PINUS MUGO	MUGO PINE
	PINUS TAEDA	LOBLOLLY PINE
	QUERCUS LAEVIS	AMERICAN TURKEY OAK

- PLANTING NOTES:**
1. DIMENSIONS SHOWN FOR APPROXIMATE TREE LOCATION.
 2. ALL DIMENSIONS SHOWN TO CENTER OF TREE TRUNK.
 3. CONTRACTOR SHALL PLACE TREE IN APPROXIMATE LOCATION SHOWN. IF THE SITE CONDITIONS CONFLICT WITH TREE LOCATION, CONTRACTOR SHALL PLACE TREE TO HIS BEST JUDGEMENT OR CONTACT LANDSCAPE ARCHITECT.
 4. ALL DIMENSIONS PARALLEL TO ROAD ARE CONTINUOUS FROM POINT OF BEGINNING (P.O.B.). ALL DIMENSIONS PERPENDICULAR TO ROAD ARE TAKEN FROM EDGE OF PAVEMENT.

SEE SHEET L6.1 FOR CONTINUATION



Sustainable Landscape Design & Development Fayetteville, North Carolina, All American Hwy From Owen Rd to Fort Bragg



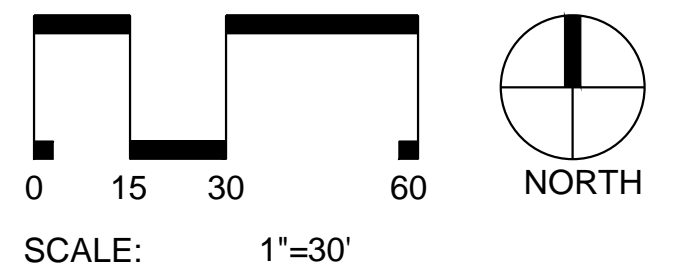
N.C. Department of Transportation Roadside Environmental Unit - Design Section PLANTING LAYOUT PLAN

SEE SHEET L5 FOR CONTINUATION



PLANT LIST		
SYMBOL	SCIENTIFIC NAME	COMMON NAME
	CARYA PALLIDA	SAND HICKORY
	CERCIS CANDENSIS	EASTERN RED BUD
	CORNUS FLORIDA	FLOWERING DOGWOOD
	JUGLANS NIGRA	BLACK WALNUT
	JUNIPERUS VIRGINANA	EASTERN RED CEDAR
	MYRICA CERIFERA	WAXMYRTLE
	NYSSA SYLVATICA	BLACK GUM
	PINUS MUGO	MUGO PINE
	PINUS TAEDA	LOBLOLLY PINE
	QUERCUS LAEVIS	AMERICAN TURKEY OAK

SEE SHEET L7 FOR CONTINUATION



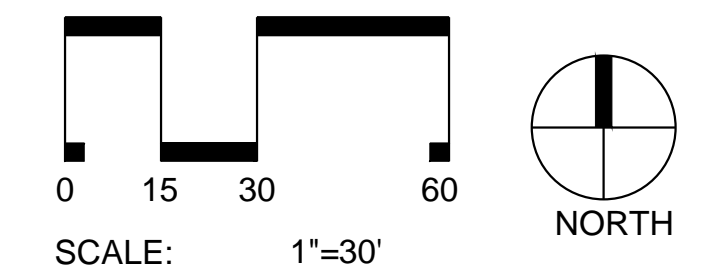
SEE SHEET L5.1 FOR CONTINUATION



PLANT LIST		
SYMBOL	SCIENTIFIC NAME	COMMON NAME
	CARYA PALLIDA	SAND HICKORY
	CERCIS CANDENSIS	EASTERN RED BUD
	CORNUS FLORIDA	FLOWERING DOGWOOD
	JUGLANS NIGRA	BLACK WALNUT
	JUNIPERUS VIRGINANA	EASTERN RED CEDAR
	MYRICA CERIFERA	WAXMYRTLE
	NYSSA SYLVATICA	BLACK GUM
	PINUS MUGO	MUGO PINE
	PINUS TAEDA	LOBLOLLY PINE
	QUERCUS LAEVIS	AMERICAN TURKEY OAK

- PLANTING NOTES:**
1. DIMENSIONS SHOWN FOR APPROXIMATE TREE LOCATION.
 2. ALL DIMENSIONS SHOWN TO CENTER OF TREE TRUNK.
 3. CONTRACTOR SHALL PLACE TREE IN APPROXIMATE LOCATION SHOWN. IF THE SITE CONDITIONS CONFLICT WITH TREE LOCATION, CONTRACTOR SHALL PLACE TREE TO HIS BEST JUDGEMENT OR CONTACT LANDSCAPE ARCHITECT.
 4. ALL DIMENSIONS PARALLEL TO ROAD ARE CONTINUOUS FROM POINT OF BEGINNING (P.O.B.). ALL DIMENSIONS PERPENDICULAR TO ROAD ARE TAKEN FROM EDGE OF PAVEMENT.

SEE SHEET L7.1 FOR CONTINUATION



Sustainable Landscape Design & Development
Fayetteville, North Carolina, All American Hwy From
Owen Rd to Fort Bragg



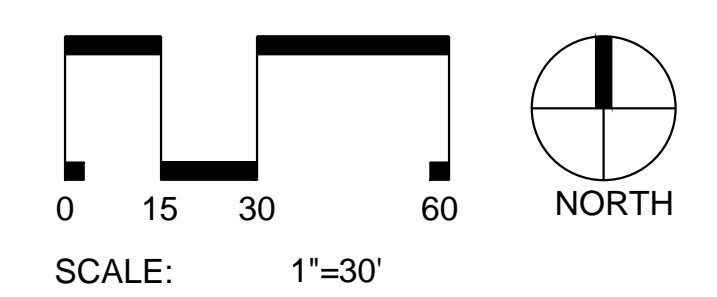
N.C. Department of Transportation
Roadside Environmental Unit - Design Section
PLANTING LAYOUT PLAN

SEE SHEET L6.1 FOR CONTINUATION



PLANT LIST		
SYMBOL	SCIENTIFIC NAME	COMMON NAME
	CARYA PALLIDA	SAND HICKORY
	CERCIS CANDENSIS	EASTERN RED BUD
	CORNUS FLORIDA	FLOWERING DOGWOOD
	JUGLANS NIGRA	BLACK WALNUT
	JUNIPERUS VIRGINANA	EASTERN RED CEDAR
	MYRICA CERIFERA	WAXMYRTLE
	NYSSA SYLVATICA	BLACK GUM
	PINUS MUGO	MUGO PINE
	PINUS TAEDA	LOBLOLLY PINE
	QUERCUS LAEVIS	AMERICAN TURKEY OAK

- PLANTING NOTES:**
1. DIMENSIONS SHOWN FOR APPROXIMATE TREE LOCATION.
 2. ALL DIMENSIONS SHOWN TO CENTER OF TREE TRUNK.
 3. CONTRACTOR SHALL PLACE TREE IN APPROXIMATE LOCATION SHOWN. IF THE SITE CONDITIONS CONFLICT WITH TREE LOCATION, CONTRACTOR SHALL PLACE TREE TO HIS BEST JUDGEMENT OR CONTACT LANDSCAPE ARCHITECT.
 4. ALL DIMENSIONS PARALLEL TO ROAD ARE CONTINUOUS FROM POINT OF BEGINNING (P.O.B.). ALL DIMENSIONS PERPENDICULAR TO ROAD ARE TAKEN FROM EDGE OF PAVEMENT.



SHEET NO. L7.1

PROJECT REF. NO. WBS 34817.3.10, 34817.3.06, 34816.3.18 & 34816.3.19

Sustainable Landscape Design & Development
Fayetteville, North Carolina, All American Hwy From Owen Rd to Fort Bragg

N.C. Department of Transportation
Roadside Environmental Unit - Design Section
PLANTING LAYOUT PLAN

L7.1