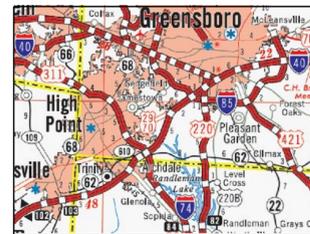
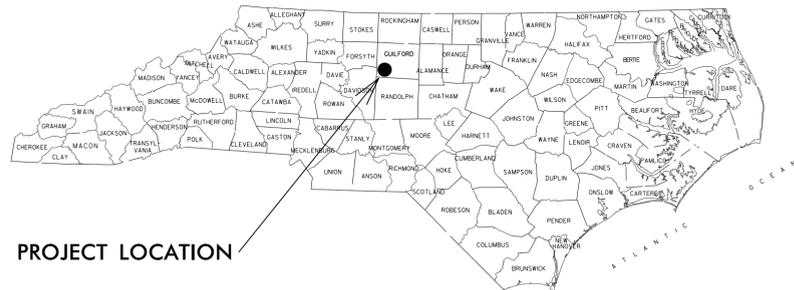
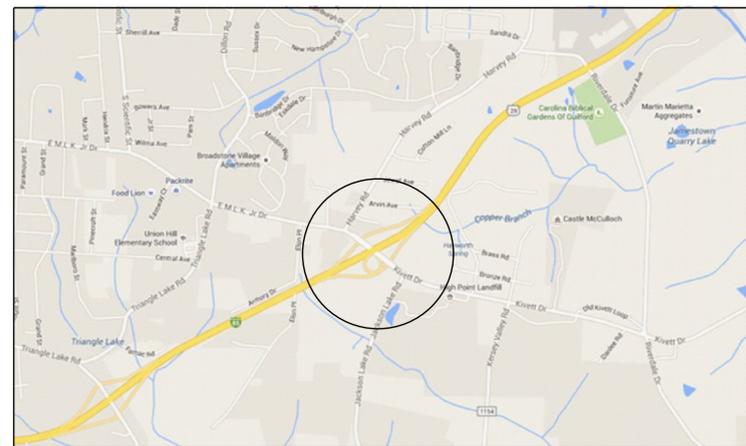




PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



Vicinity Maps



Summary of Quantities

Plant Materials							
Quan.	Key	Unit	Botanical Name	Common Name	Furnish	ASNS	Spacing
22	CH	EA	<i>Camellia hiemalis</i> 'Kanjiro'	Kanjiro Camellia	6-7', B&B, Heavy, Branched to the Ground	5.8.2	To be Field Staked
12	CO	EA	<i>Chamaecyparis obtusa</i> 'Crippsii'	Crippsi Hinoki False Cypress	6-7', B&B, Heavy	4.7.2	To be Field Staked
25	CV	EA	<i>Chionanthus virginicus</i> 'Emerald Knight'	Emerald Knight Fringetree	6-7', B&B, Clump	2.4.2	To be Field Staked
8	GB	EA	<i>Ginkgo biloba</i> 'Autumn Gold'	Autumn Gold Maidenhair Tree	3 - 3.5" Cal., B&B, Straight Single Trunk, Heavily Branched	2.1.2	As shown
30	LS	EA	<i>Lagerstroemia x 'Sioux'</i>	Sioux Crape Myrtle	10-12', B&B, 3-5 Stem, Matched Specimens, Limbed up to 4'	2.4.2	30' Grid
40	PC	EA	<i>Pistacia chinensis</i>	Chinese Pistachio	2 1/2 - 3" Cal., B&B, Straight Single Trunk	2.2.2	40' OC
51	QN	EA	<i>Quercus nuttallii</i>	Nuttall Oak	3 - 3.5" Cal., B&B, Matched Specimens, Straight Trunk, Heavily Branched	2.1.2	45' Grid
22	TD	EA	<i>Taxodium distichum</i> 'Mickelson'	Shawnee Brave Bald Cypress	3 - 3.5" Cal., B&B, Matched Specimens, Straight Trunk, Heavily Branched	2.2.2	50' OC
Other Items							
Quan.	Unit	Description					
0.5	Acre	Selective Undergrowth Removal					
5	EA	Selective Tree Removal, 6"					
1	EA	Selective Tree Removal, 10"					
54	CY	Soil Amendment					
1,564	SY	Post-Emergent Herbicidal Treatment for Plant Beds					
1,564	SY	Pre-Emergent Herbicidal Treatment for Plant Beds					
173	CY	Mulch for Planting (Shredded Pine Bark)					
6	MG	Water for Planting					
8	EA	Quarterly Establishment Period					

CONVENTIONAL SYMBOLS

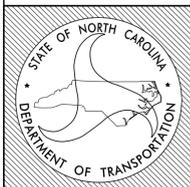
County Line.....	-----
City or Town Line.....	-----
Exist. Right of Way Line Marker.....	----- Δ -----
Prop. Right of Way Line Marker (By Others).....	----- ▲ -----
Prop Right of Way Line Marker (By Contract).....	----- ▲ -----
Exist. Control of Access Line.....	----- (A) -----
Prop. Control of Access Line.....	----- (A) -----
Property Line.....	----- E -----
Easement Line.....	----- E -----
Slope Stake Line.....	----- S -----
Exist. Fence.....	----- + -----
Prop. Woven Wire Fence.....	----- ○ -----
Prop. Chain Link Fence.....	----- □ -----
Exist. Road.....	=====
Prop. Road.....	=====
Guardrail.....	----- T -----
Survey Line.....	----- T -----
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.....	----- SS -----
Water Line.....	----- W -----
Gas Line.....	----- GAS -----
Picnic Shelter.....	----- □ -----
Regeneration.....	----- X -----
Reforestation.....	----- X -----

INDEX OF L SHEETS:

- 1..... Title, Description and Summary of Quantities
- 2..... Details
- 3..... Planting Plan

PREPARED BY: CSM
 PRELIMINARY DESIGN DATE: June 14, 2016
 FINAL DESIGN DATE: July 22, 2016
 LAST REVISION DATE:

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

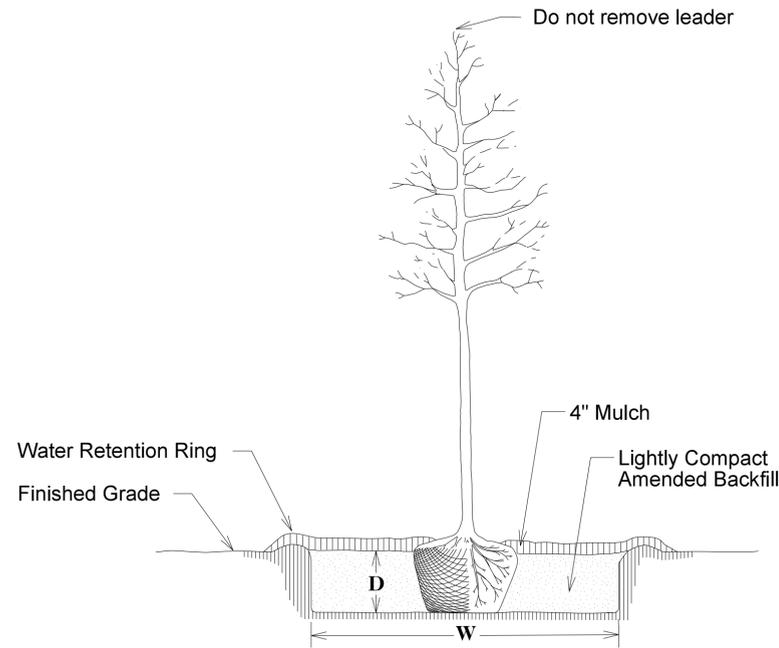


STATE OF
NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION

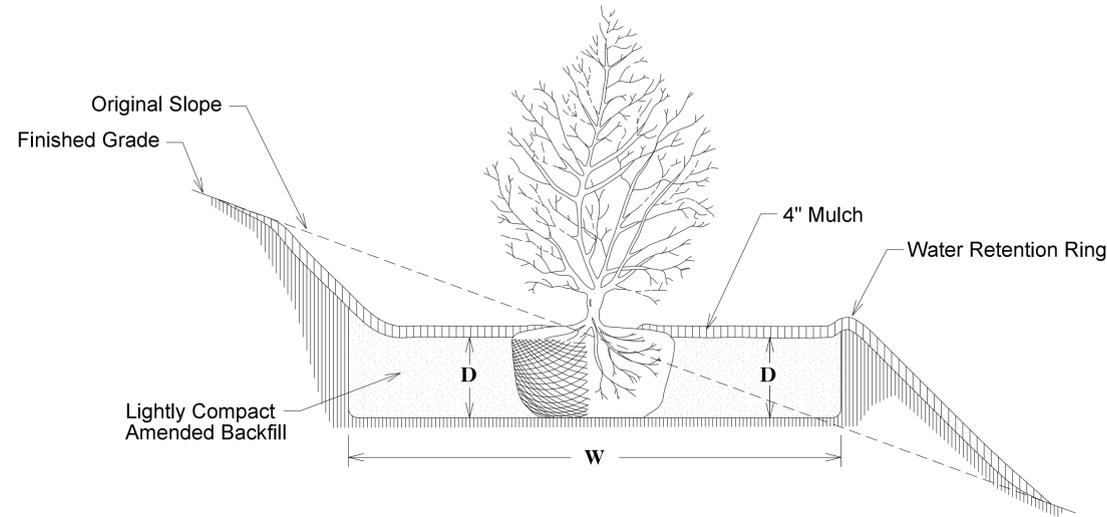
LOCATION: I-85B and Kivet Dr./US 70&29 Interchange
 TYPE of WORK: Landscape Planting
 COUNTY: Guilford County

DIVISION
 7

2014 American Standard for Nursery Stock
 2012 NCDOT STANDARD SPECIFICATIONS
 SHEET
 1 of 3



**Tree or Shrub Planting Detail
(Level Ground)**

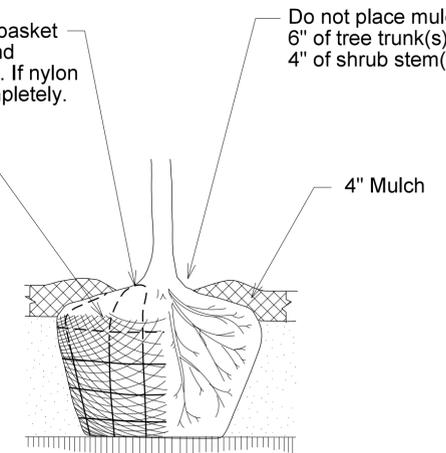


**Tree or Shrub Planting Detail
(Sloping Ground)**

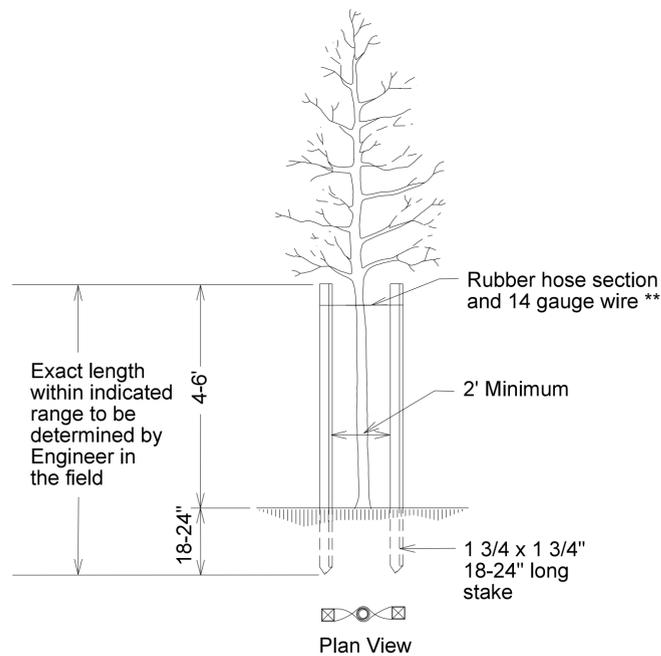
Cut and remove the top 1/3 of wire basket (or synthetic roping) after placing and securing the root ball into plant hole. If nylon straps have been used remove completely.

Do not place mulch within 6" of tree trunk(s) or within 4" of shrub stem(s)

Remove burlap from top of root ball. If synthetic burlap has been used, remove it completely if possible, if not cut an 'x' pattern in the synthetic burlap between each hole of the wire basket or nylon straps.

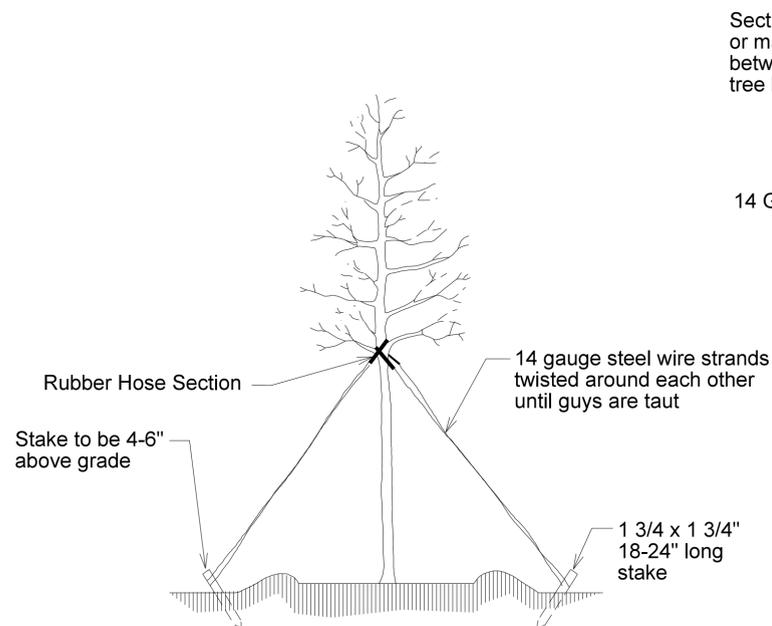


Mulch and Root Ball Detail



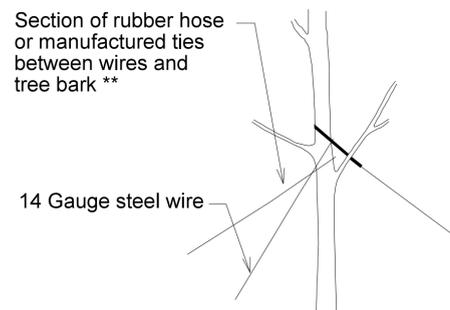
**Staking Detail
(for trees 6' to 10')**

* Utilize staking detail only if requested by the Engineer.

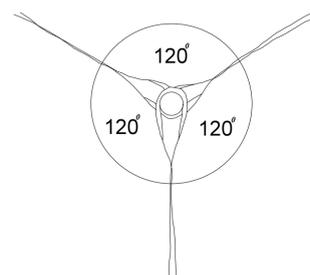


**Tree Guying Detail
(for trees 10' or larger)**

* Utilize guying detail only if requested by the Engineer.



Guy Tying Detail



Guy Spacing Detail

Planting Detail Notes:

- Plant Hole Width 'W' = a min. of 3 times the diameter of the container or root ball
- Plant Hole Depth 'D' = depth of root ball, and no deeper (if directed to set root ball slightly higher due to soil type, adjust depth of hole accordingly).
- See Standard Specifications for Plant Bed preparation and herbicidal treatment
- Fertilizer shall be applied at time of planting. Fertilizer shall be a slow release pellet or tablet. Formulation shall be approved by engineer in field. Rates shall be per manufacturer's recommendations and approved by engineer in field. Thoroughly mix with topsoil, backfill or scarified soil.
- ** Polypropylene with all edges rounded may be used in lieu of steel wire and rubber hose for staking or guying if approved by the Engineer.
- Cut and remove wire basket, synthetic roping, burlap and/or synthetic burlap as shown and directed in detail. Set root ball so that root flare is at grade or slightly above as directed by the Engineer depending on soil type at installation site. Do not place backfill or mulch within 6" of tree trunk or 4" of shrub trunk.
- Any pruning necessary shall follow current standard arboricultural practices and International Society of Arboriculture recommendations
- Do not attempt to straighten a tree that has been planted at an angle with the use of staking or guying. Dig tree and reset root ball to achieve an upright, plumb position.
- Amend backfill with 10% by volume of approved soil amendment prior to backfilling plant hole.



NCDOT - Roadside Environmental Unit
Aesthetic Engineering
1557 Mail Service Center Raleigh NC 27699-1557
Ph: 919-707-2920 Fax: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

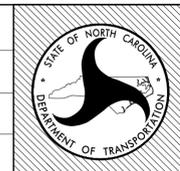
I-85 Bus & Kivett Dr. Interchange
Landscape Planting
High Point, Guilford County



sheet description:

Landscape Development
PLANTING DETAILS

preliminary design: June 14, 2016	final design date: July 22, 2016	revision date:
division and county: Division 7 - Guilford County		
division engineer: Mike Mills, PE		
division roadside environmental engineer: Ken Taffer		



wbs #: 3707.3.24
sheet no: 2
total sheet no: 3

