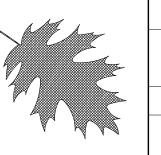
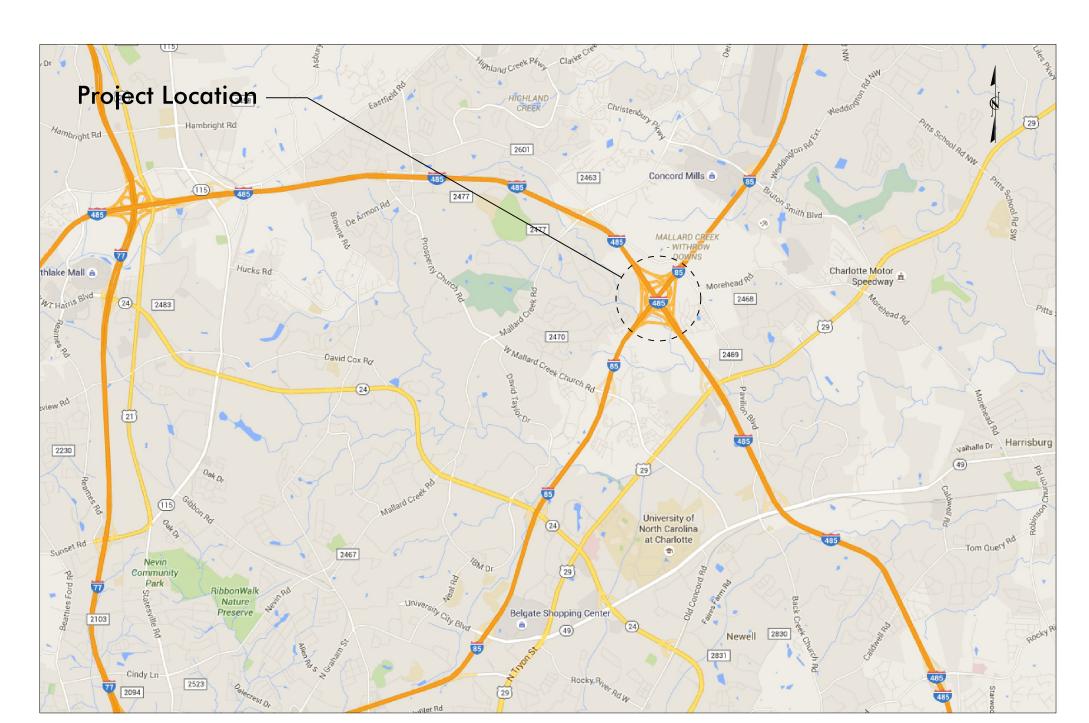
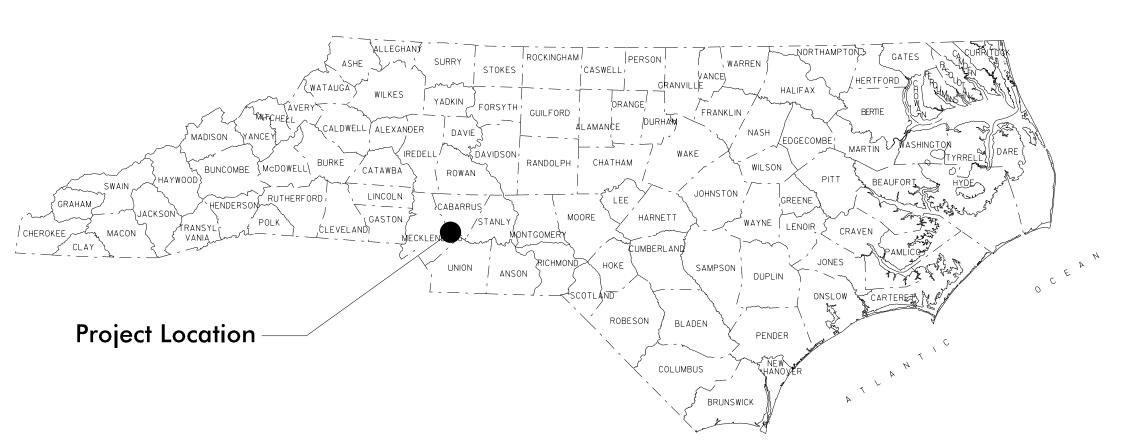


HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



	T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
·	R-2123CE		L1	6
	FED. PROJ. #	DESCRIPTION		DIVISION
	_	TIP		10





	CONVENTIONAL	SYMBOLS
n 🕰		

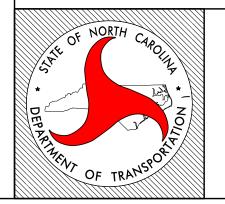
Prop. Right of Way Line Marker	
(By Others)	
Prop Right of Way Line Marker	
(By Contract)	
Exist. Control of Access Line	_(<u>c</u>)
Prop. Control of Access Line	. <u>(c)</u>
Property Line	
Easement Line	
Slope Stake Line	
Exist. Fence	++
Prop. Woven Wire Fence	• • • •
Prop. Chain Link Fence	
Exist. Road Prop. Road	
Guardrail	
Survey Line	
Denotes Line Equality	
Bridge	
Culvert	
Railroad	
Woods	# \$ # \$ OR OR
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	- GAS
Regeneration	
Reforestation	-XXXX

Summary of Quantities 1 year establishment

INDEX OF F SUEE
L 1.0 - Title Sheet
L 2.0 - Planting Details
L 3.0 - Reforestation Details
L 4.0 - Design Plan Quadrant 1
L 5.0 - Design Plan Quadrant 2
L 6.0 - Design Plan Quadrant 3

DES	SEC	QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	SIZE	CALIPER	FURNISH	A.S.N.S.	REMARKS
					Trees						
L	1670	4	еа	AB	Acer buergeranum	Trident Maple		1.5-2"	B&B	2.1	As shown
L	1670	15	еа	AO	Acer rubrum 'October Glory'	October Glory Red Maple		1.5-2"	B&B	2.1	As shown
L	1670	8	ea	BN	Betula nigra'BNMTF' Dura Heat®	Dura Heat® River Birch	7-8'		B&B	2.1	As shown
L	1670	21	ea	KP	Koelreuteria paniculata	Golden Rain Tree		1-1.5"	#25	2.2	40' O.C.
L	1670	92	ea	LM	Lagerstroemia indica x fauriei 'Muskogee'	Muskogee Crape Myrtle	6-7'		#25	2.5	3-5 Stem; 30' O.C.
L	1670	91	ea	LI	Lagerstroemia indica x fauriei 'Natchez'	Natchez Crape Myrtle	7-8'		#25	2.5	3-5 Stem; 30' O.C.
L	1670	35	ea	MG	Magnolia grandiflora 'Claudia Wannamaker'	Claudia Wannamaker Southern Magnolia	7-8'		B&B	2.2	As shown
L	1670	26	ea	ML	Magnolia grandiflora 'Little Gem'	Little Gem Magnolia	6-7'		B&B	2.2	As Shown
L	1670	41	ea	MS	Magnolia soulangeana 'Alexandrina'	Alexander Saucer Magnolia	5-6'		#25	2.4	40' O.C.
L	1670	40	ea	PC	Pistacia chinensis	Chinese Pistache		1.5-2"	B&B	2.1	45' O.C.
L	1670	14	ea	PK	Prunus cerasifera 'Krauter Vesuvius'	Krauter Vesuvius Purple Leaf Plum		1-1.25"	#25	2.3	40' O.C.
L	1670	25	еа	PO	Prunus x 'okame'	Okame Cherry		1-1.25"	B&B	2.3	60' O.C.
L	1670	29	еа	QR	Quercus rubra	Northern Red oak		1.5-2"	B&B	2.1	60' O.C.
L	1670	15	ea	QP	Quercus phellos	Willow Oak		1.5-2"	в&в	2.1	As Shown
L	1670	5	еа	QN	Quercus nuttallii	Nuttall Oak		1.5-2"	в&в	2.1	As Shown
L	1670	49	еа	TD	Taxodium distichum	Baldcypress		1.5-2"	в&в	4.7	As Shown
L	1670	38	еа	TG	Thuja plicata 'Green Giant'	Green Giant Western Arborvitae	7-8'		B&B	4.7	15' O.C.
					Reforestation Plants						
L	1670	7	pack	AP	Aesculus pavia	Red Buckeye	n/a	n/a	50 Bare Root/ pack	11.2	
L	1670	11	pack	AA	Amelanchier arborea	Serviceberry	n/a	n/a	50 Bare Root/ pack	11.2	
L	1670	14	pack	СС	Cercis canadensis	Eastern Red Bud	n/a	n/a	50 Bare Root/ pack	11.2	See Reforestation
L	1670	11	pack	CS	Cornus sp.	Dogwood Tree	n/a	n/a	50 Bare Root/ pack	11.2	Detail
L	1670	14	pack	JV	Juniperus virginiana	Eastern Red Cedar	n/a	n/a	50 Seedlings/ pack	11.2	
L	1670	7	pack	LS	Lagerstroemia sp.	Crape Myrtle	n/a	n/a	50 Bare Root/ pack	11.2	
L	1670	7	pack	RG	Rhus glabra	Smooth Sumac	n/a	n/a	50 Bare Root/ pack	11.2	
			•								
					Other						
L	1670	6.5	acre		Reforestation						
L	1670	315	cuyd		Mulch						Depth of 4"
L	1670	34	m/g		Water for Planting						
L	1670	1700	sqyd		Pre emergence Herbicidal Treatment						
L	1670	1700	sqyd		Post emergence Herbicidal Treatment						
			- ''		, , , , , , , , , , , , , , , , , , ,			1			

PREPARED BY: KC DATE: 06/2016REVISIONS



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

OCATION: I-85 and I-485 Interchange	
TYPE of WORK: T.I.P.	
COUNTY: Mecklenburg County	

2014 American Standard for Nursery Stock 2012 NCDOT STANDARD SPECIFICATIONS

NCDOT- ROADSIDE ENVIRONMENTAL UNIT LANDSCAPE DESIGN & DEVELOPMENT 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

SPECIFIED BY INTERNATIONAL SOCIETY

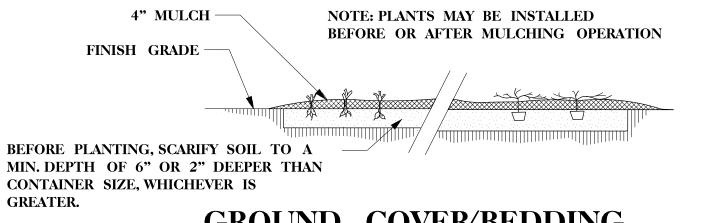
ARBORICULTURAL PRACTICES AS

OF ARBORICULTURE.

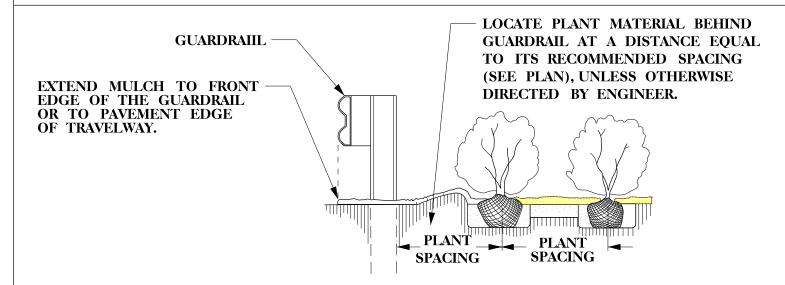
POSITION.



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



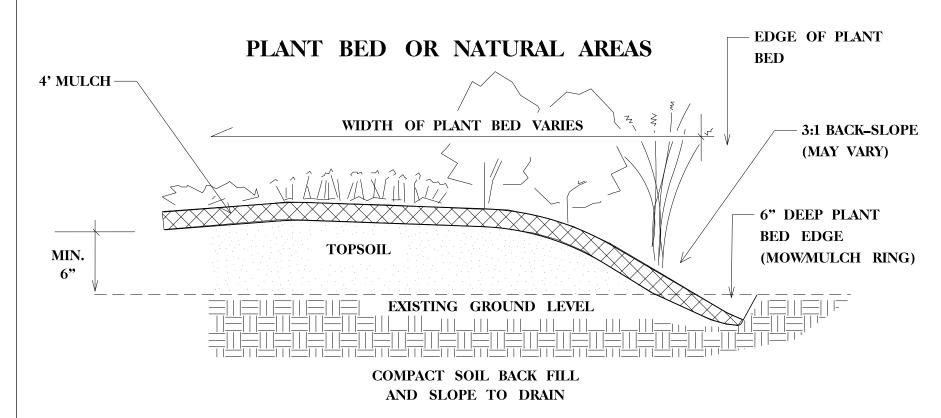
GROUND COVER/BEDDING PLANT DETAIL



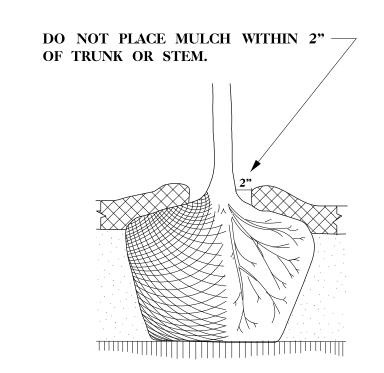
GUARDRAIL MULCHING DETAIL USE AS DIRECTED BY FIELD ENGINEER

INSTALL SHRUB SO THAT 1/8 OF ROOT BALL IS ABOVE FINISH GRADE. MULCH - SEE DETAIL -WATER RETENTION RING FINISH GRADE COMPACT BACKFILI PLANT HOLE WIDTH (X) TO SCARIFY BED TO A MINIMUM DEPTH OF 6". BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.

SHRUB BED PLANTING DETAIL



PLANT BED EDGE DETAIL



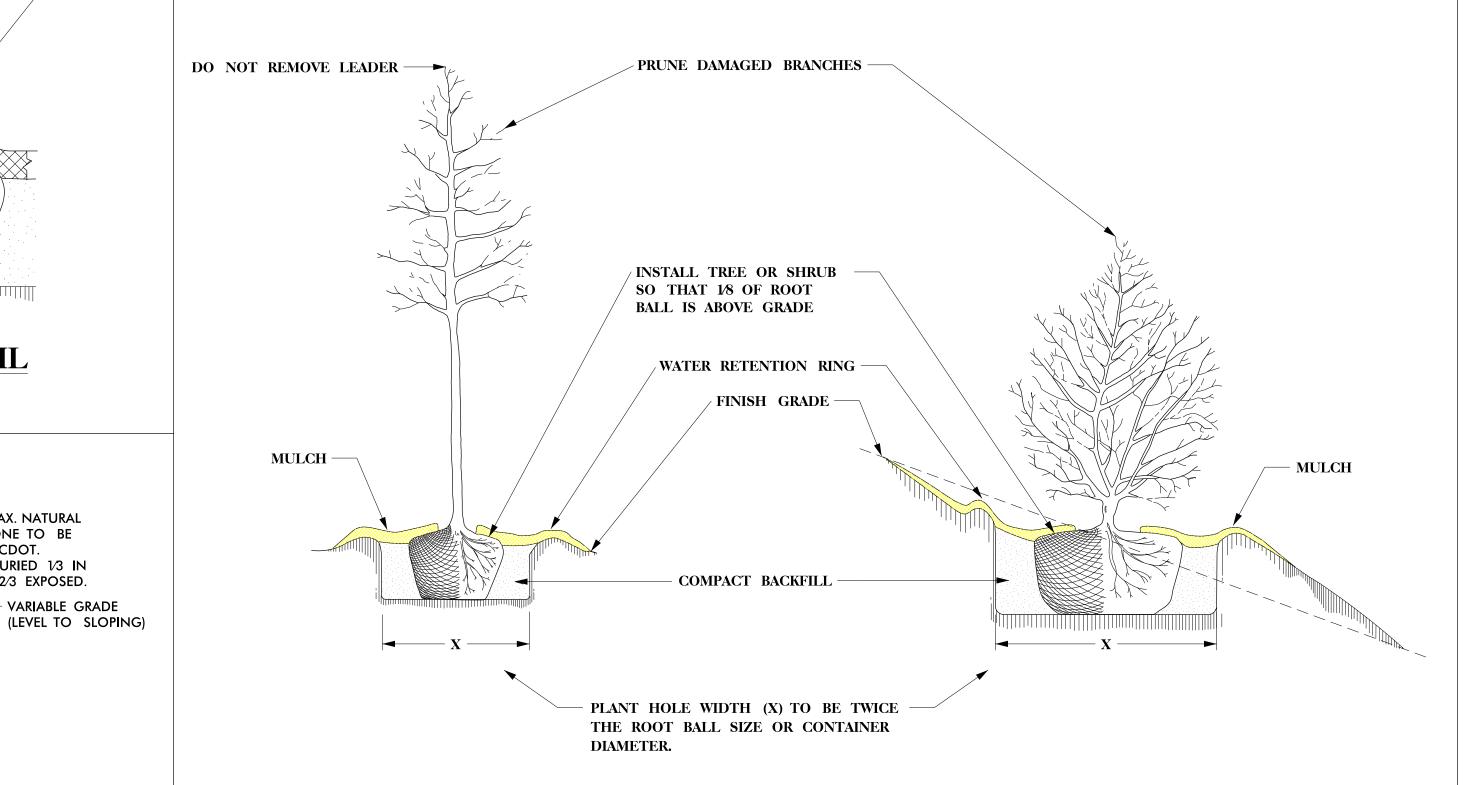
MULCH DETAIL

WEATHERED STONE TO BE

STONE TO BE BURIED 1/3 IN

GROUND AND 2/3 EXPOSED.

VARIABLE GRADE

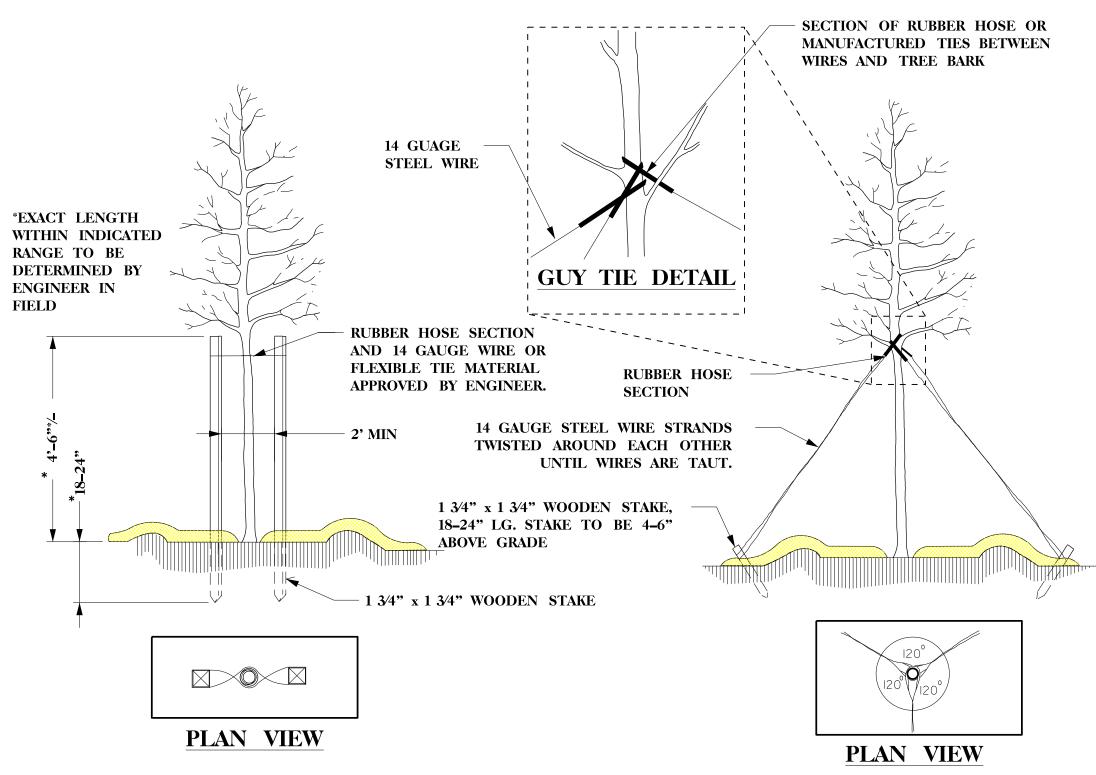


BOULDER PLACEMENT DETAIL **TYPICAL**

SCALE: NTS

TREE OR SHRUB PLANTING DETAIL (LEVEL GROUND)

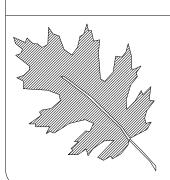
TREE OR SHRUB PLANTING DETAIL (SLOPING GROUND)



STAKING DETAIL (TREES 6'-10')

USE AS DIRECTED BY FIELD ENGINEER

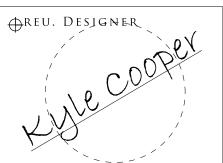
GUYING DETAIL (TREES 10' OR LARGER) USE AS DIRECTED BY FIELD ENGINEER



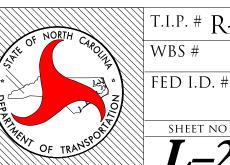
NCDOT - ROADSIDE ENVIRONMENTAL UNIT LANDSCAPE DESIGN & DEVELOPMENT 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557 PH: 919-707-2935 FAX: 919-715-2554

HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP CHIEF ENG/ROADSIDE/

I-85 & I-485 INTERCHANGE MECKLENBURG COUNTY TIP #: R-2123CE



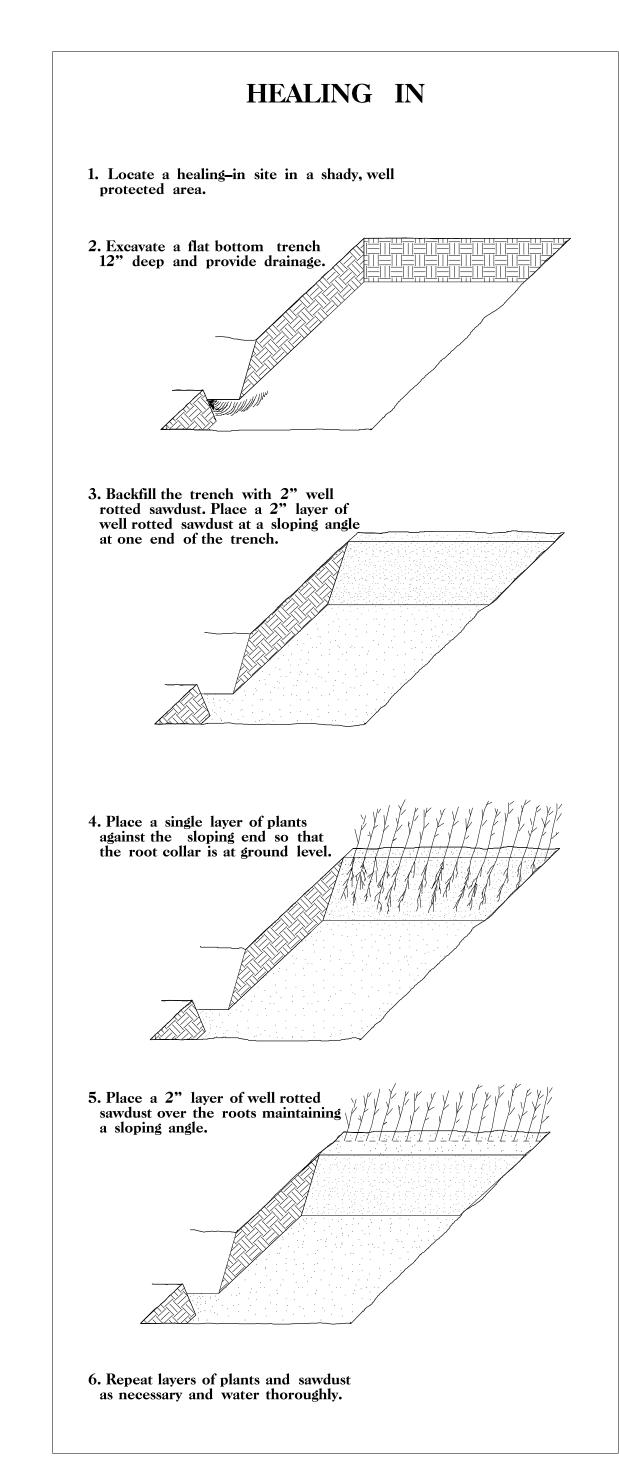
SHEET DESCRIPTION:	PREL. DESIGN DATE :	March 2016	Planting Details
	CHECKED BY & DATE :		
	FINAL DESIGN DATE :	June 10, 2016	

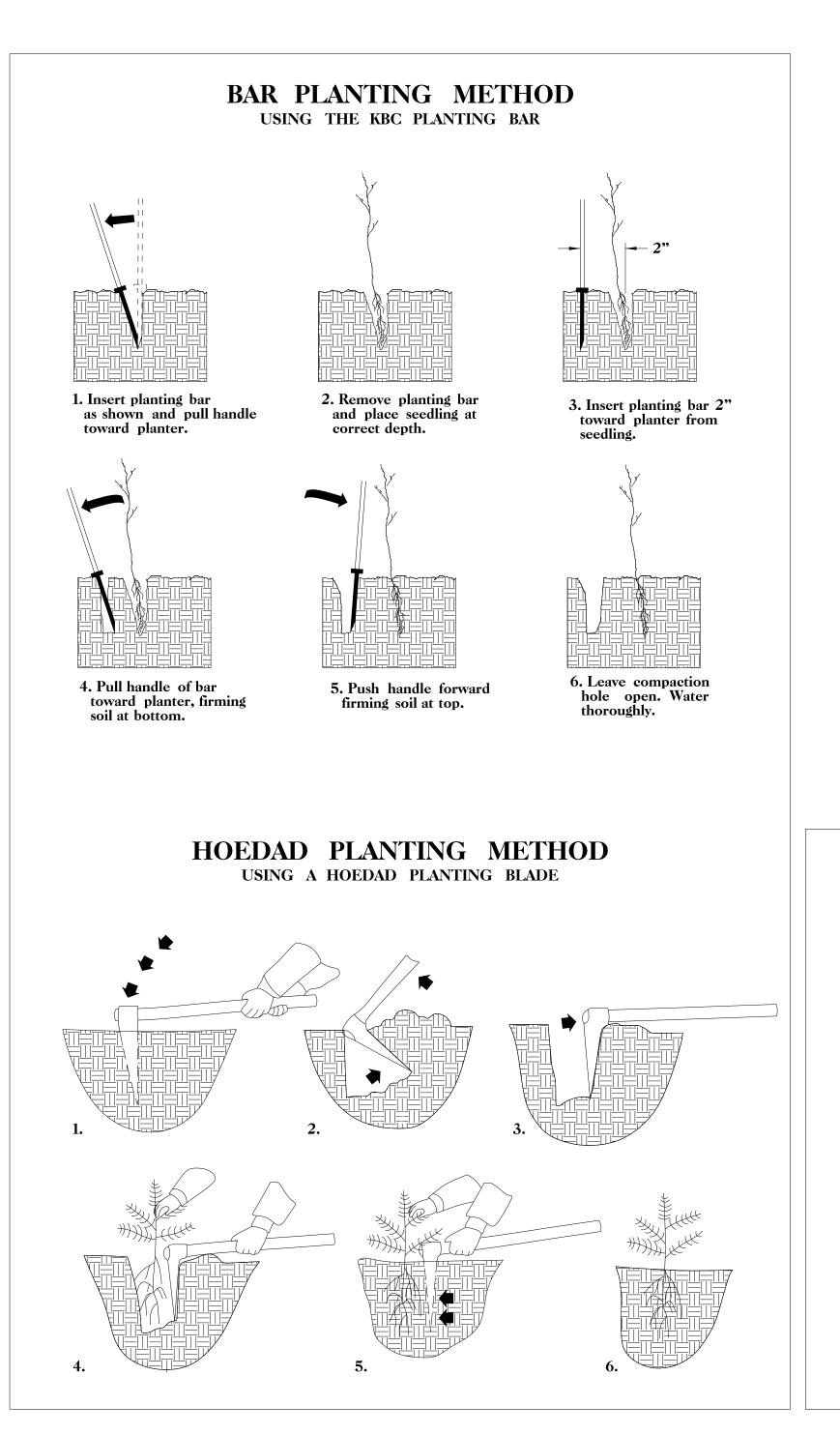


T.I.P. # R-2123CE FED I.D. # TOTAL SHEET NO :

REFORESTATION DETAILS

SEEDLING / LINER BAREROOT PLANTING DETAIL

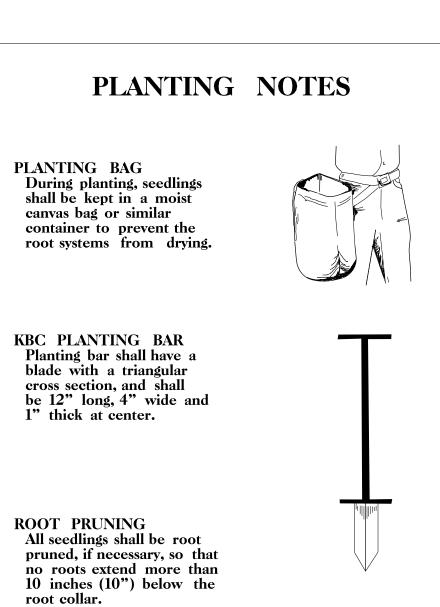


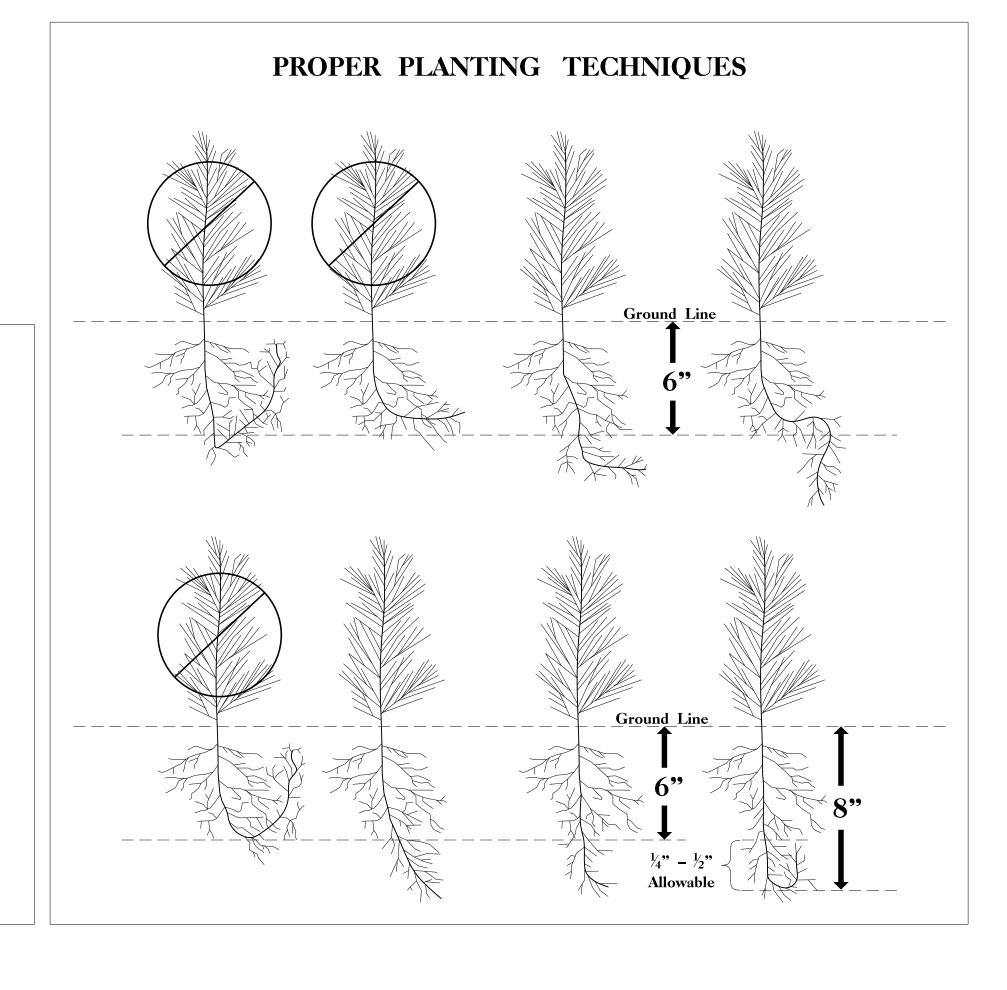


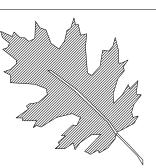
REFORESTATION SCHEDULE

EXACT AREAS TO BE REFORESTED WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. QUANTITIES GIVEN ARE ESTIMATES ONLY, ADJUST ACCORDING TO FIELD CONDITIONS.

MIXTURE, TYPE, SIZE, AND FURNISH SHALL CONFORM TO THE FOLLOWING:					
Percent Bo	tanical Name	Common Name	Furnish	A.S.N.S	
10% Aes	sculus pavia	Red Buckeye	18 - 24" See	dling 11.2	
15% * Am	nelanchier arborea	Serviceberry	18 - 24" See	dling 11.2	
20% * Ce	rcis canadensis	Eastern Red Bud	18 - 24" See	dling 11.2	
15% * Co	rnus sp.	Dogwood Tree	18 - 24" See	dling 11.2	
20% Jui	niperus virginiana	Eastern Red Cedar	18 - 24" See	dling 11.2	
10% Lag	gerstroemia sp.	Crape Myrtle	18 - 24" See	dling 11.2	
10% Rh	us glabra	Smooth Sumac	18 - 24" See	dling 11.2	



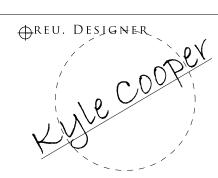




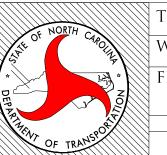
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I-85 & I-485 Interchange MECKLENBURG COUNTY TIP #: R-2123CE



TION:	PREL. DESIGN DATE :	March 2016	REFORESTATION DETAILS
DESCRIP	CHECKED BY & DATE :		
HEET	FINAL DESIGN DATE :	June 10, 2016	



T.I.P. # R-2123CE FED I.D. # TOTAL SHEET NO:

