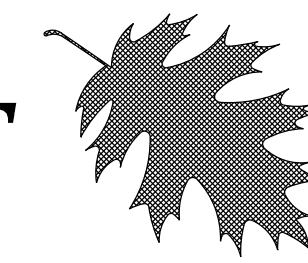
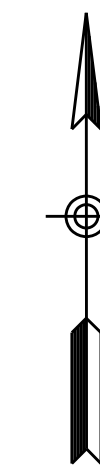
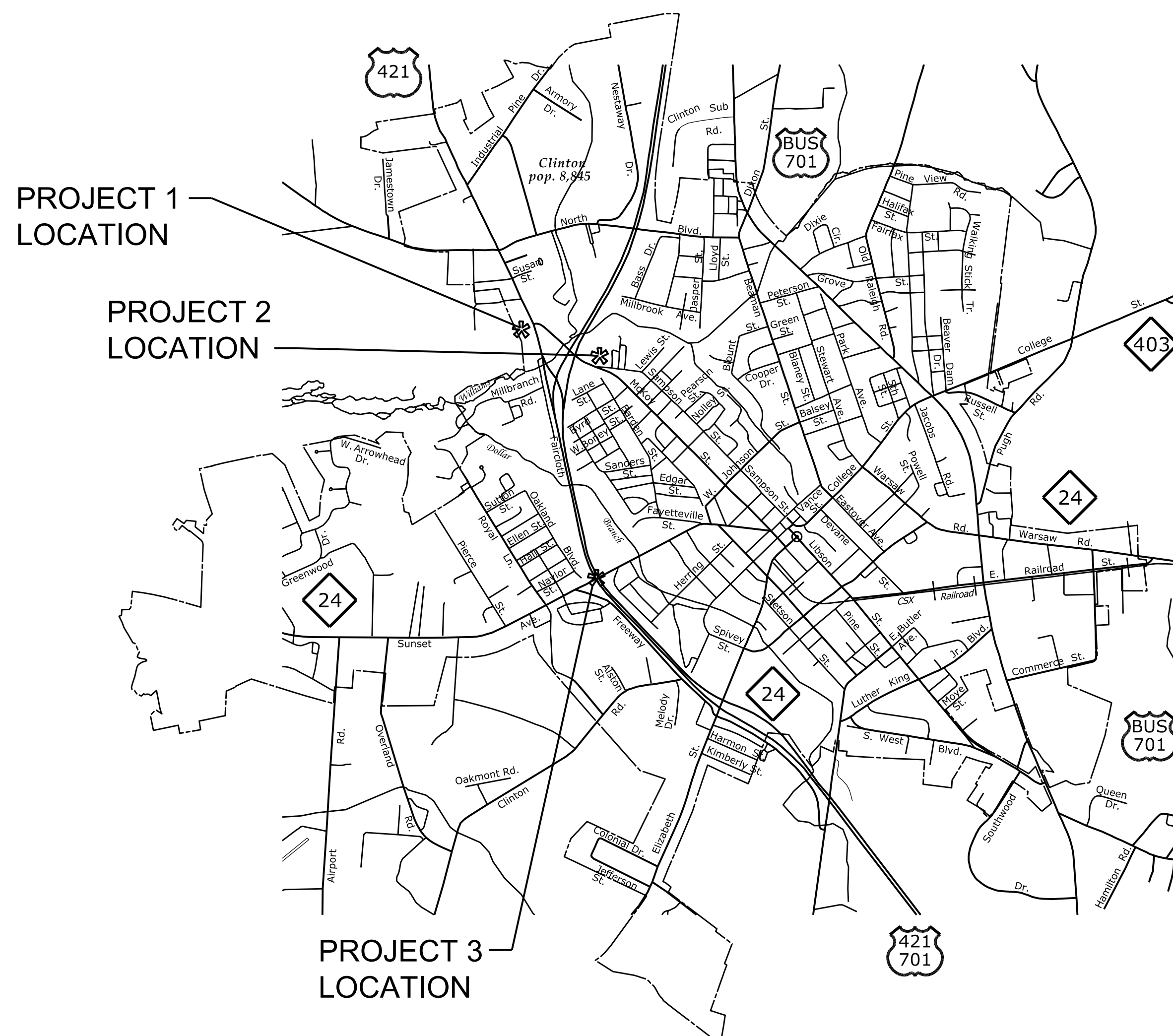
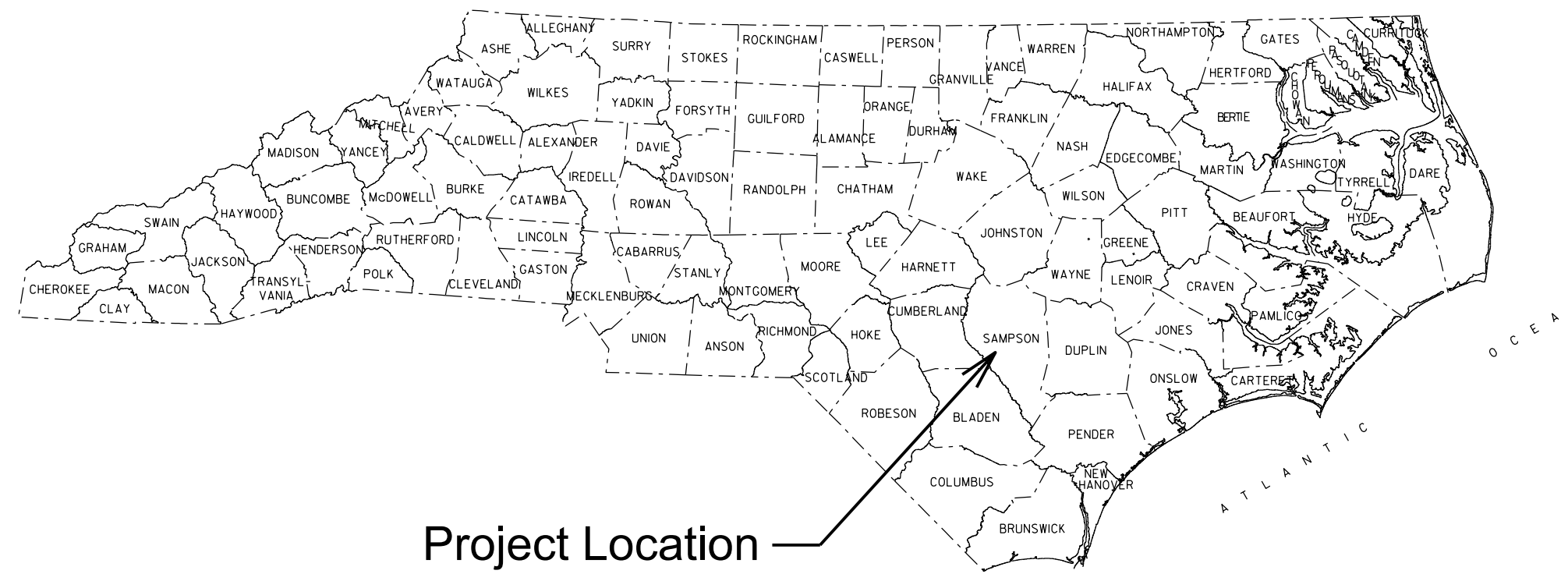


# PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
	3703.3.20	L1	9
FED. PROJ. #	DESCRIPTION		DIVISION
	landscape		3

PROJECT: Landscape Enhancement Projects, Clinton, North Carolina



### 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	-----○-----

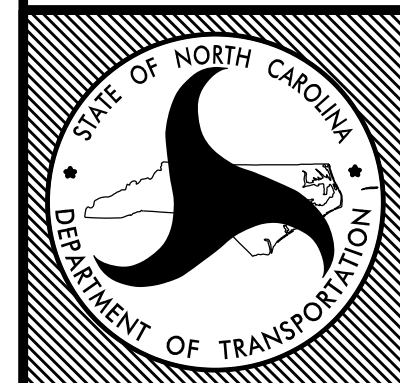
### INDEX OF SHEETS:

- L1 ... TITLE SHEET
- L2 ... PROJECT 1
- L3 ... PROJECT 2
- L4... PROJECT 3 OVERALL LAYOUT
- L5 ... PROJECT 3 - QUADRANT 1
- L6... PROJECT 3 - QUADRANT 2
- L7... PROJECT 3 - QUADRANT 3
- L8... PROJECT 3 - QUADRANT 4
- L9... DETAILS

PREPARED BY: NN DATE: DEC/2012

### REVISIONS

DATE	DESCRIPTION

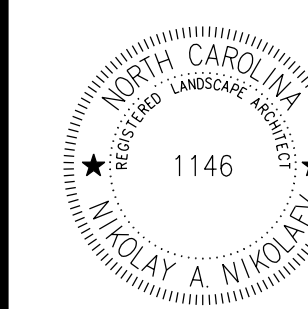


STATE OF  
**NORTH CAROLINA**  
DEPARTMENT OF TRANSPORTATION

LOCATION: Clinton, North Carolina

TYPE of WORK: Landscape Enhancement Projects

COUNTY: Sampson



2004 American Standard for Nursery Stock  
2012 NCDOT STANDARD SPECIFICATIONS

PREPARED IN THE OFFICE OF:

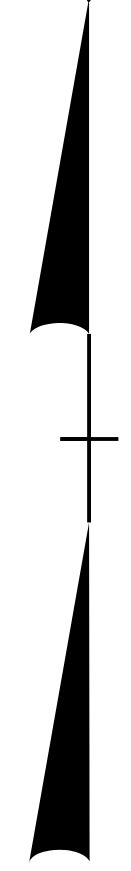


801 Corporate Center Drive, Suite 300  
Raleigh, NC 27607-5073  
Tel: 919/854-1282 Fax: 919/854-5448 NC License No. C-1869

\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$USERNAM\$\$\$\$\$

### SUMMARY OF PROJECT QUANTITIES

QUANTITY	UNIT	SEC	SYMBOL	BOTANICAL NAME	COMMON NAME	CALIPER	HEIGHT	SPREAD	ROOT	COMMENTS
6	EA	1670	LI	<i>Lagerstroemia Indica</i> <i>'Natchez'</i>	Natchez Crape Myrtle		12' - 14'	B & B		MULTI-STEM
				DESCRIPTIONS						
552	SY	1664		SODDING						AS SHOWN ON PLANS



NORTHWEST BOULEVARD

MCKOY STREET (SR 1839)

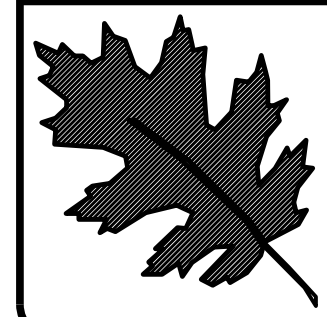
EXISTING MEDIAN ISLAND

SODDED LAWN

EXISTING EDGE OF PAVEMENT

6  
LI

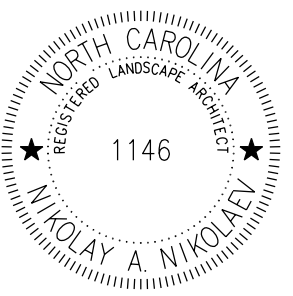
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NCDOT - Division 3 - Roadside  
Environmental Unit  
803 Penderlea Highway Burgaw, NC 28425  
Ph: 910-259-4919 Fax: 910-259-2781  
Contact: Joe Chance

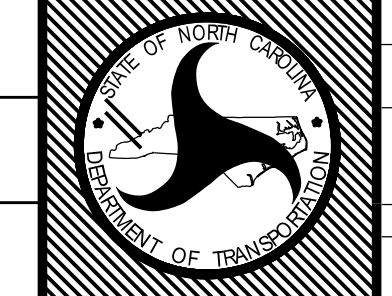
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801 Corporate Center Drive, Suite 300  
Raleigh, NC 27607-5073  
Tel: 919/854-1282 Fax: 919/854-5448  
NC License No. C-1869  
Contact: Nick Nikolaev

Project 1  
McKOY STREET (SR 1839) and NORTHWEST BLVD.  
Clinton, NC  
contract #:



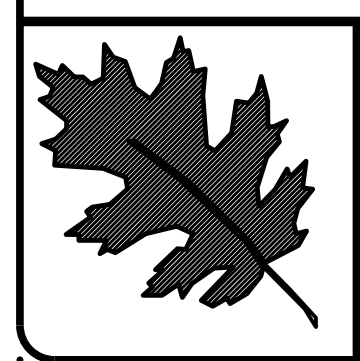
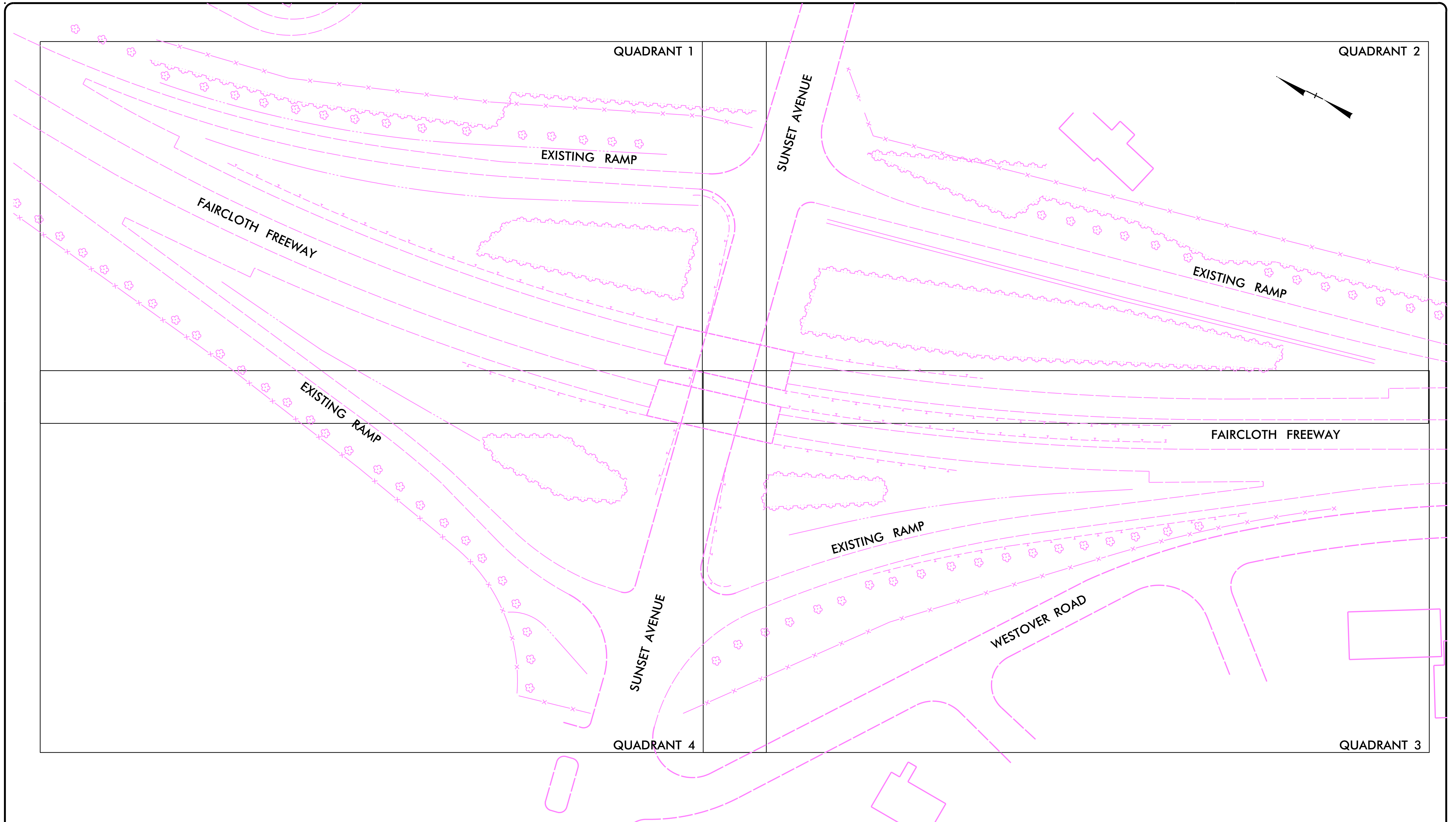
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checked by & date :  
final design date :

Planting Plan  
Scale: 1" = 20'



T.I.P. #  
WBS # 3703.3.20  
FED I.D. #  
sheet no : total sheet no :  
**L2 9**





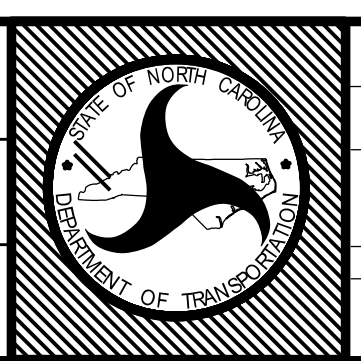
NCDOT - Division 3 - Roadside  
 Environmental Unit  
 803 Penderlea Highway Burgaw, NC 28425  
 Ph: 910-259-4919 Fax: 910-259-2781  
 Contact: Joe Chance

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 NC License No. C-1869  
 Contact: Nick Nikolaev

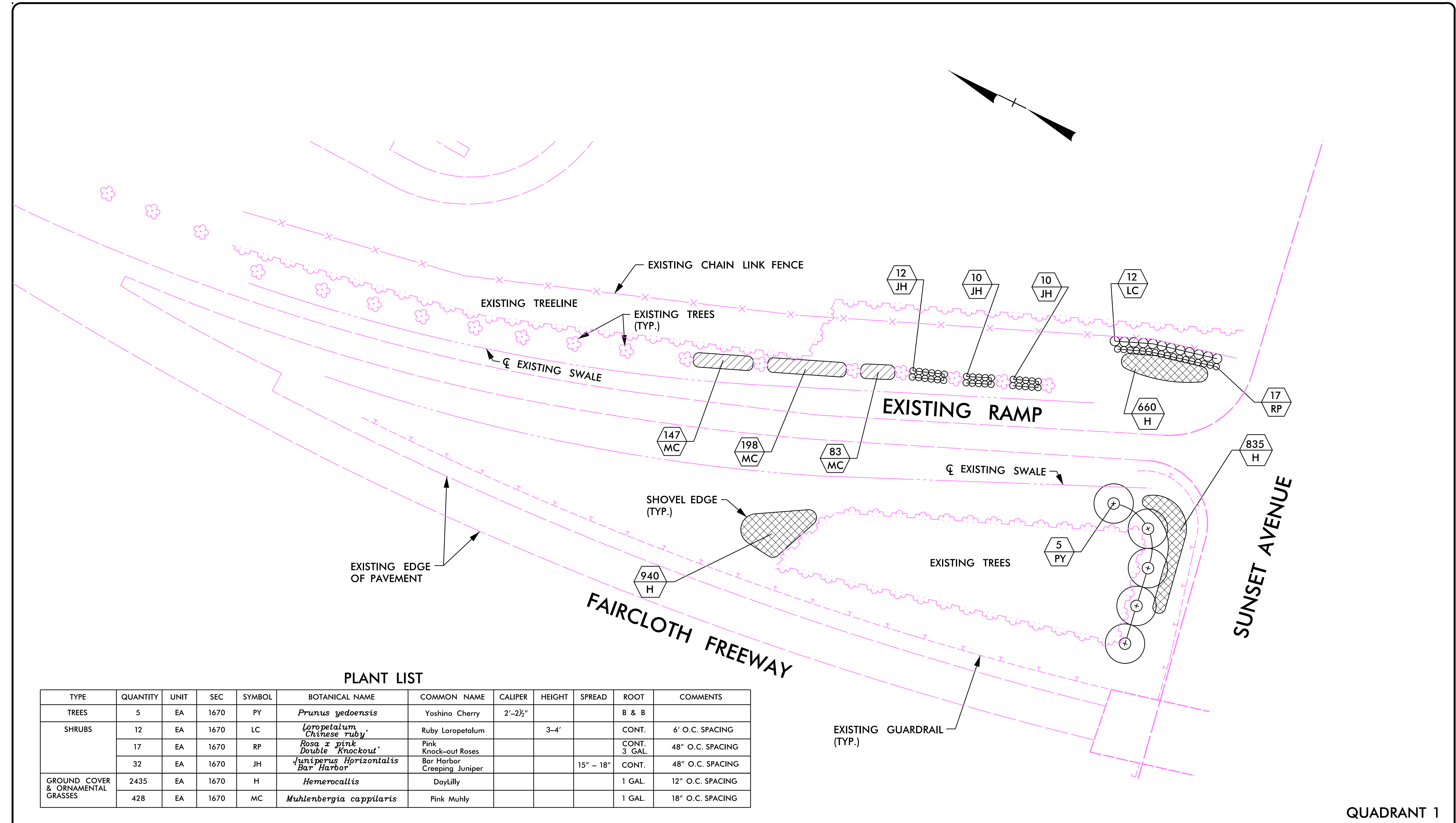
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**FAIRCLOTH FREEWAY AND SUNSET AVENUE**  
 Clinton, NC  
 contract #:

sheet description:  
 prel. design date : December/2012  
 checked by & date :  
 final design date :

Planting Plan  
 Scale: 1" = 50'



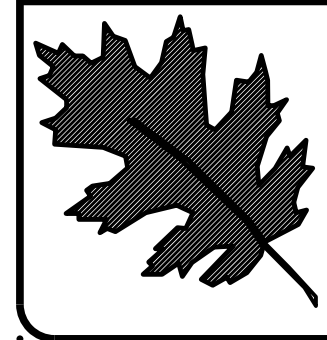
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 WBS # 3703.3.20  
 FED I.D. #  
 sheet no : total sheet no :  
**L4 9**



**PLANT LIST**

TYPE	QUANTITY	UNIT	SEC	SYMBOL	BOTANICAL NAME	COMMON NAME	CALIPER	HEIGHT	SPREAD	ROOT	COMMENTS
TREES	5	EA	1670	PY	<i>Prunus yedoensis</i>	Yoshino Cherry	2'-2½"			B & B	
SHRUBS	12	EA	1670	LC	<i>Loropetalum Chinese ruby</i>	Ruby Loropetalum		3-4'		CONT.	6' O.C. SPACING
	17	EA	1670	RP	<i>Rosa x pink Double Knockout</i>	Pink Knock-out Roses				CONT. 3 GAL.	48" O.C. SPACING
	32	EA	1670	JH	<i>Juniperus Horizontalis Bar Harbor</i>	Bar Harbor Creeping Juniper			15" - 18"	CONT.	48" O.C. SPACING
GROUND COVER & ORNAMENTAL GRASSES	2435	EA	1670	H	<i>Hemerocallis</i>	DayLilly				1 GAL.	12" O.C. SPACING
	428	EA	1670	MC	<i>Muhlenbergia capillaris</i>	Pink Muhly				1 GAL.	18" O.C. SPACING

QUADRANT 1



NCDOT - Division 3 - Roadside  
 Environmental Unit  
 803 Penderlea Highway Burgaw, NC 28425  
 Ph: 910-259-4919 Fax: 910-259-2781  
 Contact: Joe Chance

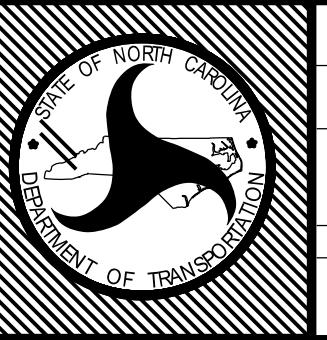
ARCADIS  
 G & M of North Carolina, Inc.  
 WWW.ARCADIS-US.COM  
 801 Corporate Center Drive, Suite 300  
 Raleigh, NC 27607-5073  
 Tel: 919/854-1282 Fax: 919/854-5448  
 NC License No. C-1869  
 Contact: Nick Nikolaev

Project 3  
 FAIRCLOTH FREEWAY AND SUNSET AVENUE  
 Clinton, NC  
 contract #:

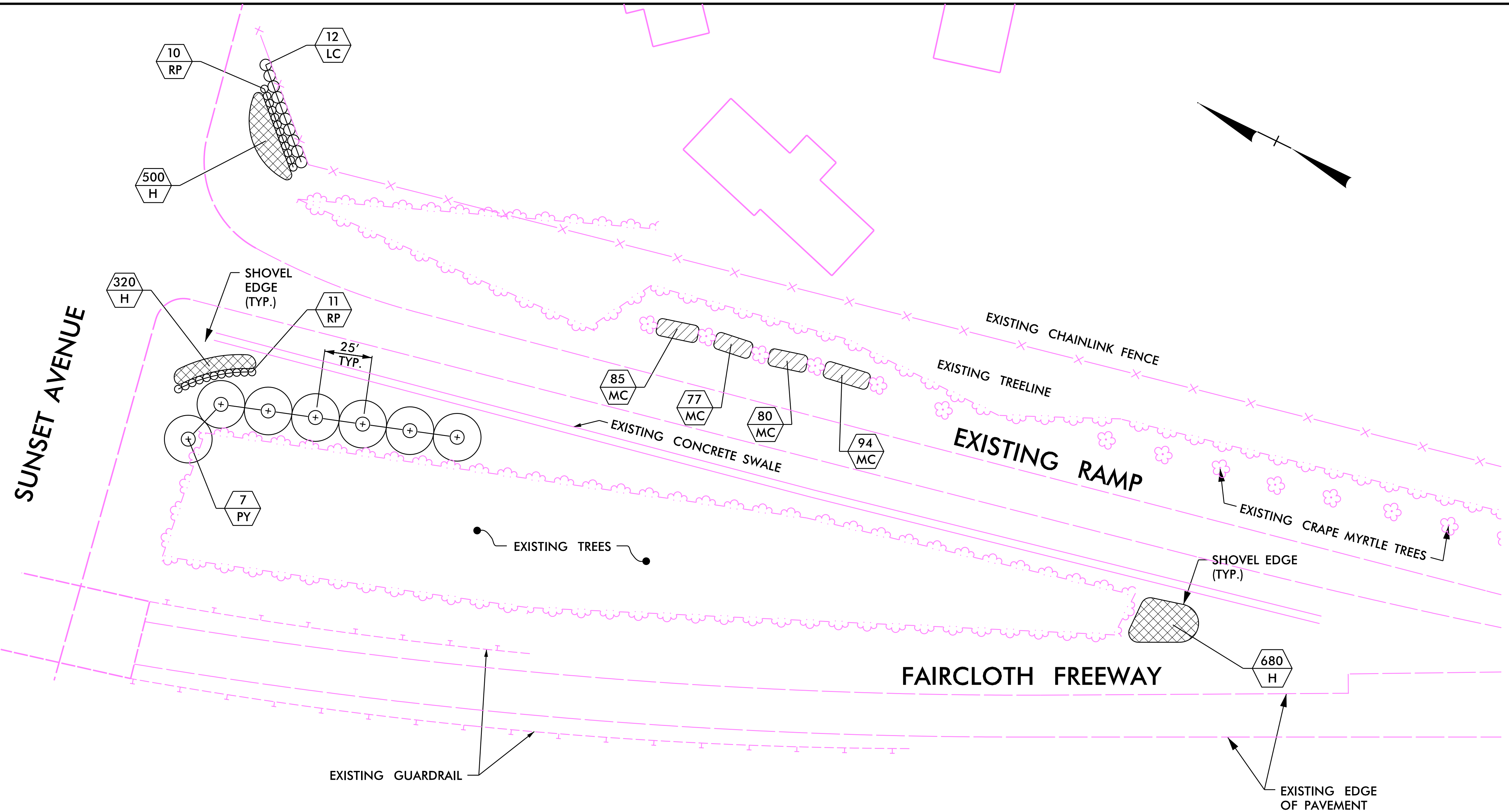


prel. design date : December/2012  
 checked by & date :  
 final design date :

Planting Plan  
 Scale: 1" = 30'



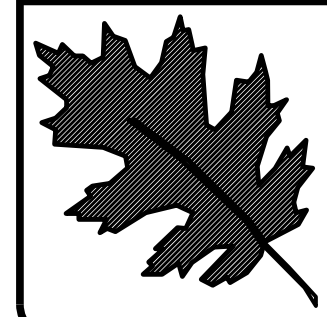
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 FED I.D. #  
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**L5 9**



**PLANT LIST**

TYPE	QUANTITY	UNIT	SEC	SYMBOL	BOTANICAL NAME	COMMON NAME	CALIPER	HEIGHT	SPREAD	ROOT	COMMENTS
TREES	7	EA	1670	PY	<i>Prunus yedoensis</i>	Yoshino Cherry	2'-2½"			B & B	
SHRUBS	12	EA	1670	LC	<i>Loropetalum Chinese ruby</i>	Ruby Loropetalum		3-4'		CONT.	6' O.C. SPACING
	21	EA	1670	RP	<i>Rosa x pink double 'Knockout'</i>	Pink Knock-out Roses				CONT. 3 GAL.	48" O.C. SPACING
GROUND COVER & ORNAMENTAL GRASSES	1500	EA	1670	H	<i>Hemerocallis</i>	DayLilly				1 GAL.	12" O.C. SPACING
	336	EA	1670	MC	<i>Muhlenbergia capillaris</i>	Pink Muhly				1 GAL.	18" O.C. SPACING

QUADRANT 2



NCDOT - Division 3 - Roadside Environmental Unit  
 803 Penderlea Highway Burgaw, NC 28425  
 Ph: 910-259-4919 Fax: 910-259-2781  
 Contact: Joe Chance

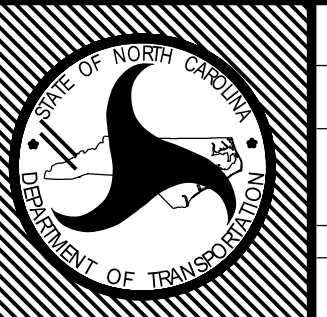
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 Tel: 919/854-1282 Fax: 919/854-5448  
 NC License No. C-1869  
 Contact: Nick Nikolaev

Project 3  
**FAIRCLOTH FREEWAY AND SUNSET AVENUE**  
 Clinton, NC  
 contract #:



prel. design date : December/2012  
 checked by & date :  
 final design date :

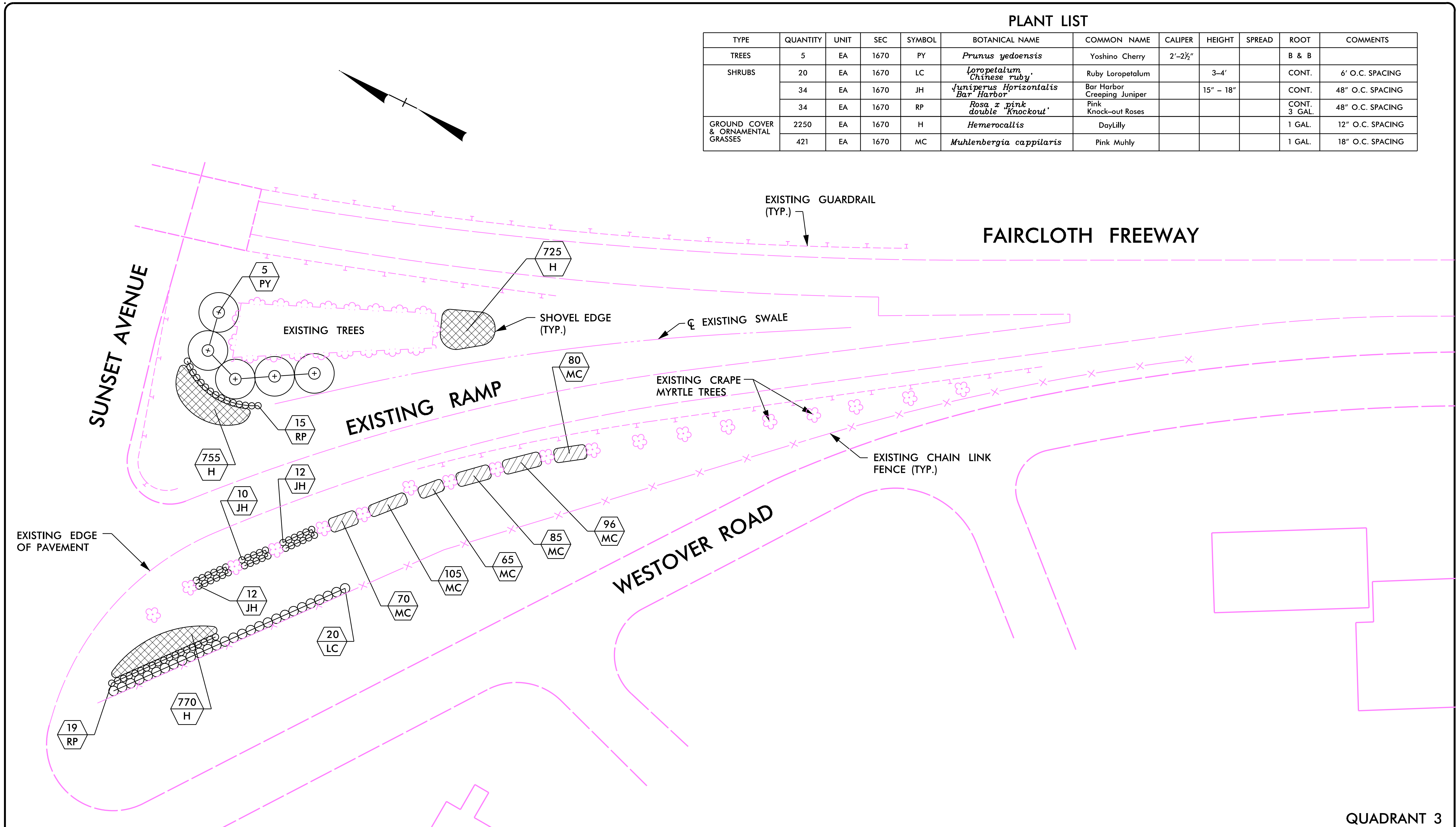
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T.I.P. #  
 WBS # 3703.3.20  
 FED I.D. #  
 sheet no : total sheet no :  
**L6 9**

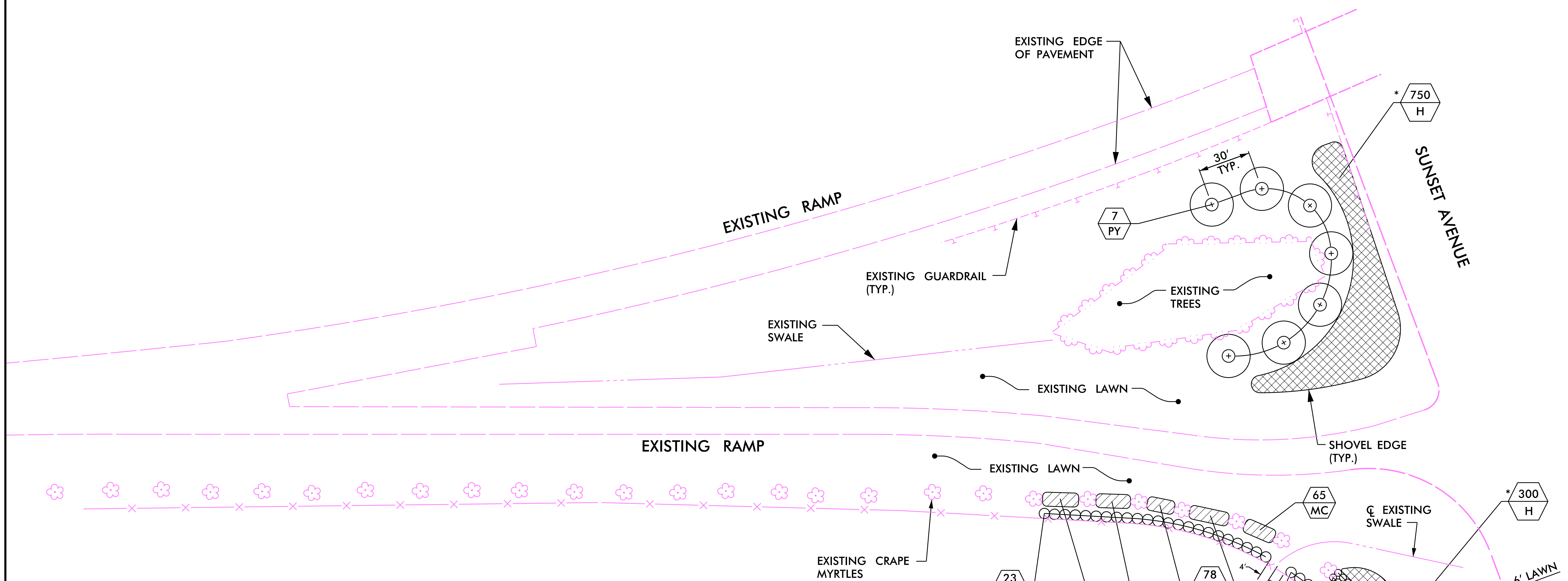
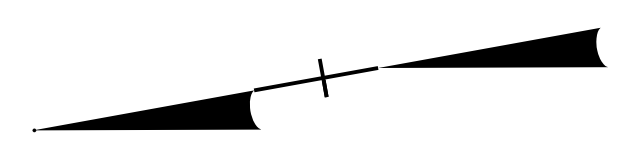
**PLANT LIST**

TYPE	QUANTITY	UNIT	SEC	SYMBOL	BOTANICAL NAME	COMMON NAME	CALIPER	HEIGHT	SPREAD	ROOT	COMMENTS
TREES	5	EA	1670	PY	<i>Prunus yedoensis</i>	Yoshino Cherry	2'-2½"			B & B	
SHRUBS	20	EA	1670	LC	<i>Loropetalum Chinese ruby</i>	Ruby Loropetalum		3-4'		CONT.	6' O.C. SPACING
	34	EA	1670	JH	<i>Juniperus Horizontalis Bar Harbor</i>	Bar Harbor Creeping Juniper		15" - 18"		CONT.	48" O.C. SPACING
	34	EA	1670	RP	<i>Rosa x pink double 'knockout'</i>	Pink Knock-out Roses				CONT. 3 GAL.	48" O.C. SPACING
GROUND COVER & ORNAMENTAL GRASSES	2250	EA	1670	H	<i>Hemerocallis</i>	DayLilly				1 GAL.	12" O.C. SPACING
	421	EA	1670	MC	<i>Muhlenbergia cappilaris</i>	Pink Muhly				1 GAL.	18" O.C. SPACING



QUADRANT 3

<p>NCDOT - Division 3 - Roadside Environmental Unit 803 Penderlea Highway Burgaw, NC 28425 Ph: 910-259-4919 Fax: 910-259-2781 Contact: Joe Chance</p>	<p>ARCADIS 6 &amp; M of North Carolina, Inc. WWW.ARCADIS-US.COM 801 Corporate Center Drive, Suite 300 Raleigh, NC 27607-5073 Tel: 919/854-1282 Fax: 919/854-5448 NC License No. C-1869 Contact: Nick Nikolaev</p>	<p>Project 3 FAIRCLOTH FREEWAY AND SUNSET AVENUE Clinton, NC contract #:</p>		<p>prel. design date : December/2012</p>	<p>Planting Plan</p>		<p>T.I.P. #</p>
				<p>checked by &amp; date :</p>			<p>Scale: 1" = 30'</p>
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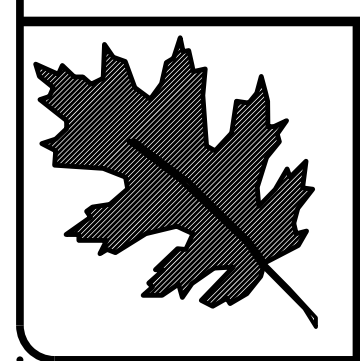


**PLANT LIST**

TYPE	QUANTITY	UNIT	SEC	SYMBOL	BOTANICAL NAME	COMMON NAME	CALIPER	HEIGHT	SPREAD	ROOT	COMMENTS
TREES	7	EA	1670	PY	<i>Prunus yedoensis</i>	Yoshino Cherry	2'-2½"			B & B	
SHRUBS	48	EA	1670	LC	<i>Loropetalum 'Chinese ruby'</i>	Ruby Loropetalum		3-4'		CONT.	6' O.C. SPACING
	24	EA	1670	JH	<i>Juniperus Horizontalis 'Bar Harbor'</i>	Bar Harbor Creeping Juniper		15" - 18"		CONT.	48" O.C. SPACING
	16	EA	1670	RP	<i>Rosa x 'pink double "Knockout"</i>	Pink Knock-out Roses				CONT. 3 GAL.	48" O.C. SPACING
GROUND COVER & ORNAMENTAL GRASSES	1050	EA	1670	H	<i>Hemerocallis</i>	DayLilly				1 GAL.	12" O.C. SPACING
	335	EA	1670	MC	<i>Muhlenbergia cappilaris</i>	Pink Muhly				1 GAL.	18" O.C. SPACING

\* NOTE: FILL EXISTING DAY LILY BEDS AS PER PROPOSED PLANTING BED DESIGN.

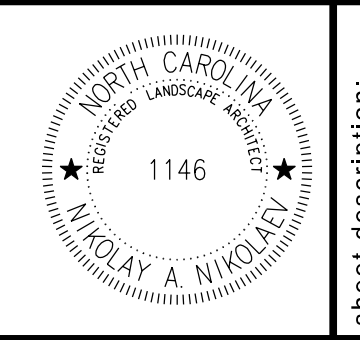
QUADRANT 4



NCDOT - Division 3 - Roadside Environmental Unit  
 803 Penderlea Highway Burgaw, NC 28425  
 Ph: 910-259-4919 Fax: 910-259-2781  
 Contact: Joe Chance

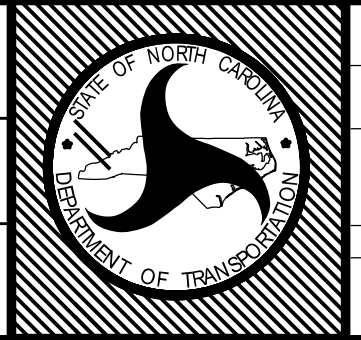
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 Raleigh, NC 27607-5073  
 Tel: 919/854-1282 Fax: 919/854-5448  
 NC License No. C-1869  
 Contact: Nick Nikolaev

Project 3  
**FAIRCLOTH FREEWAY AND SUNSET AVENUE**  
 Clinton, NC  
 contract #:



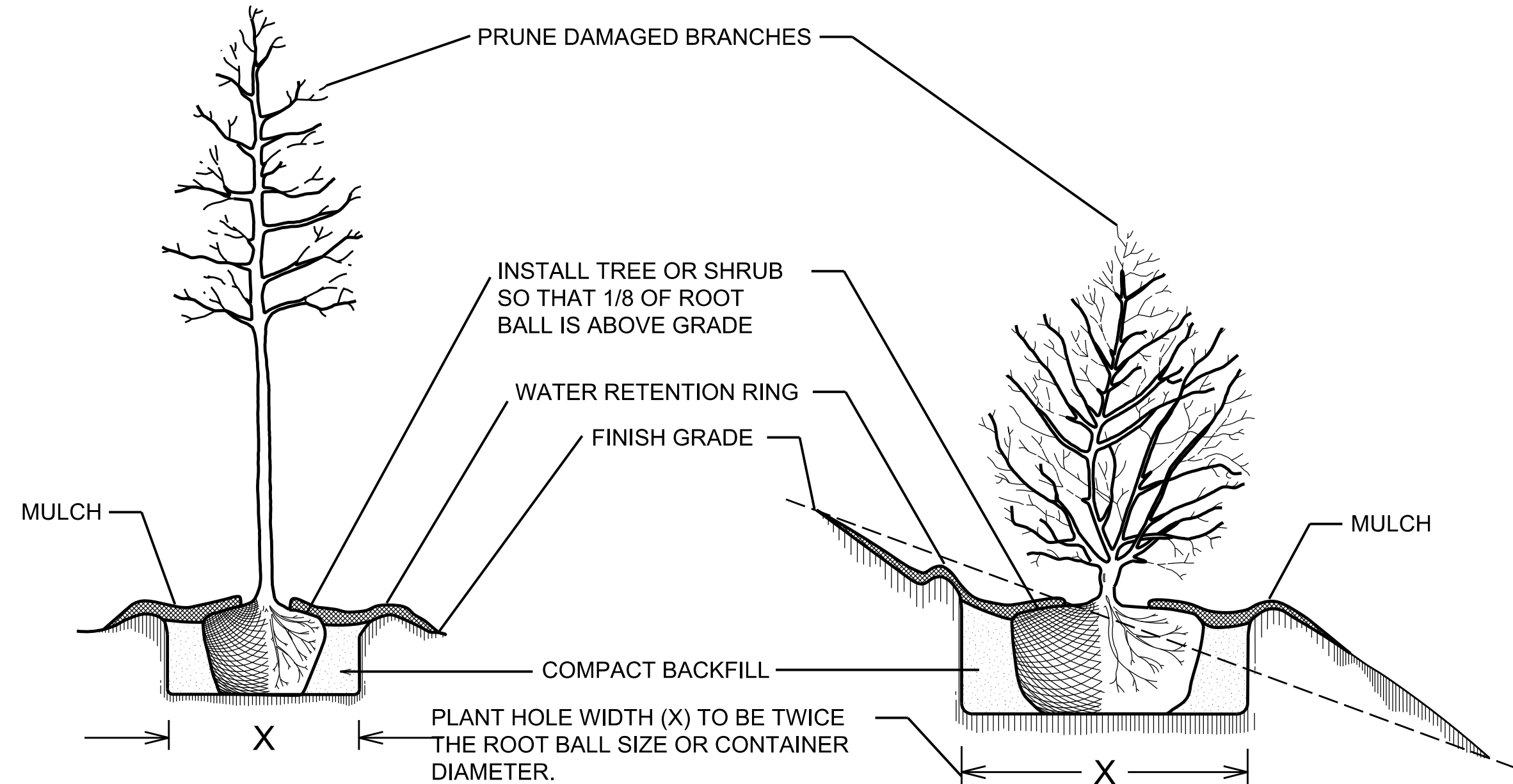
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 checked by & date :  
 final design date :

Planting Plan  
 Scale: 1" = 30'



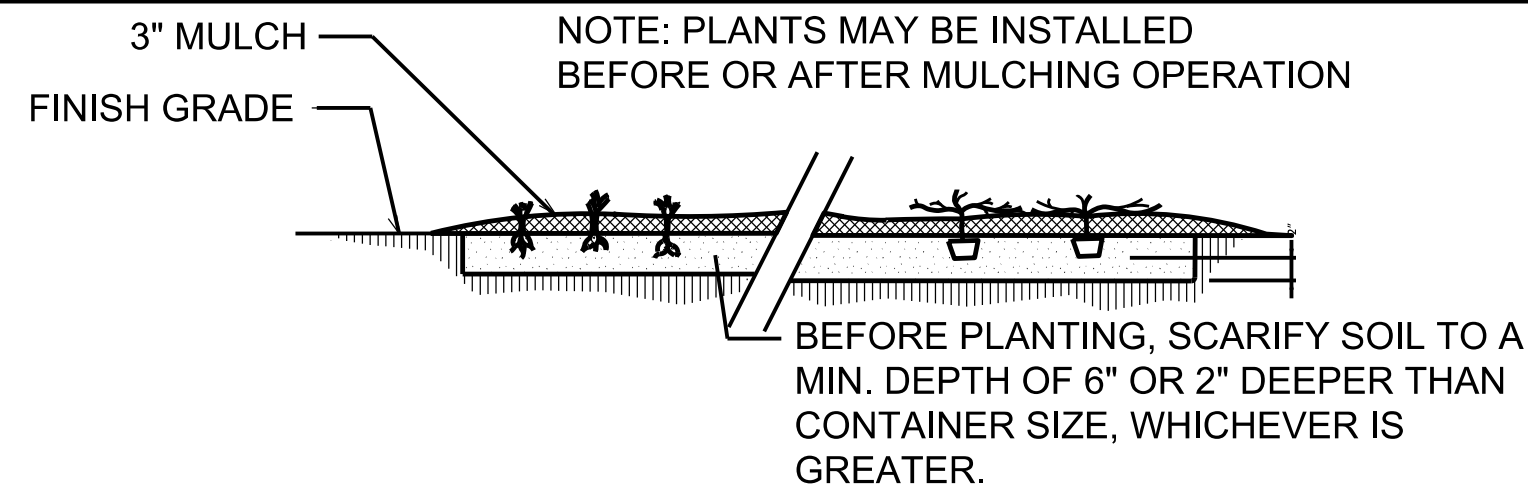
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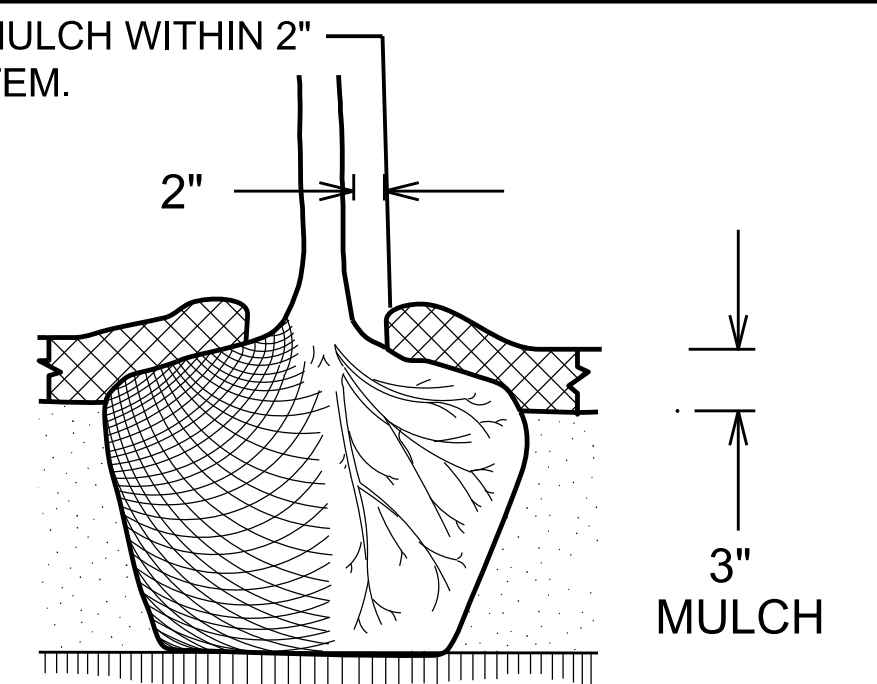


**TREE OR SHRUB PLANTING DETAIL**  
(LEVEL GROUND)

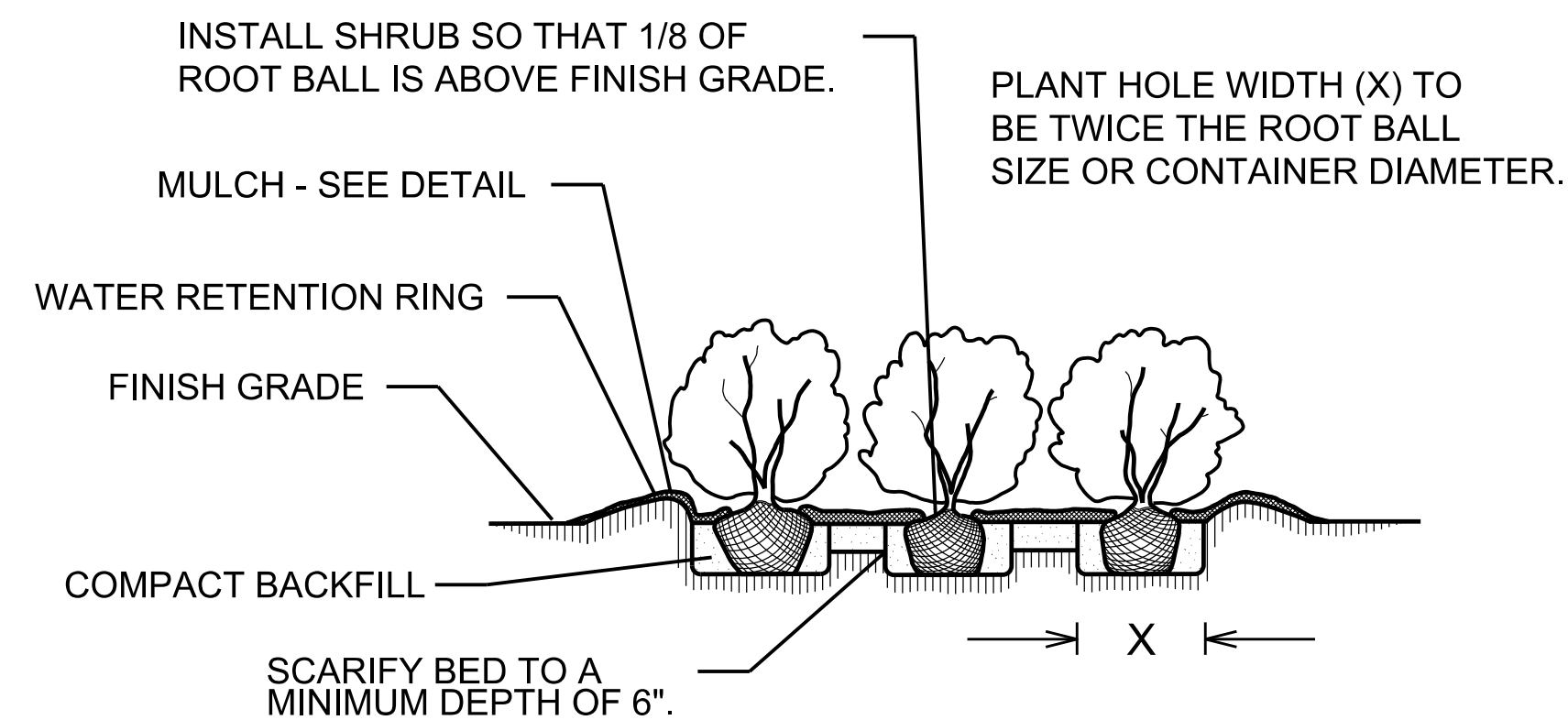
**TREE OR SHRUB PLANTING DETAIL**  
(SLOPING GROUND)



**GROUND COVER/ BEDDING PLANT DETAIL**



**MULCH DETAIL**

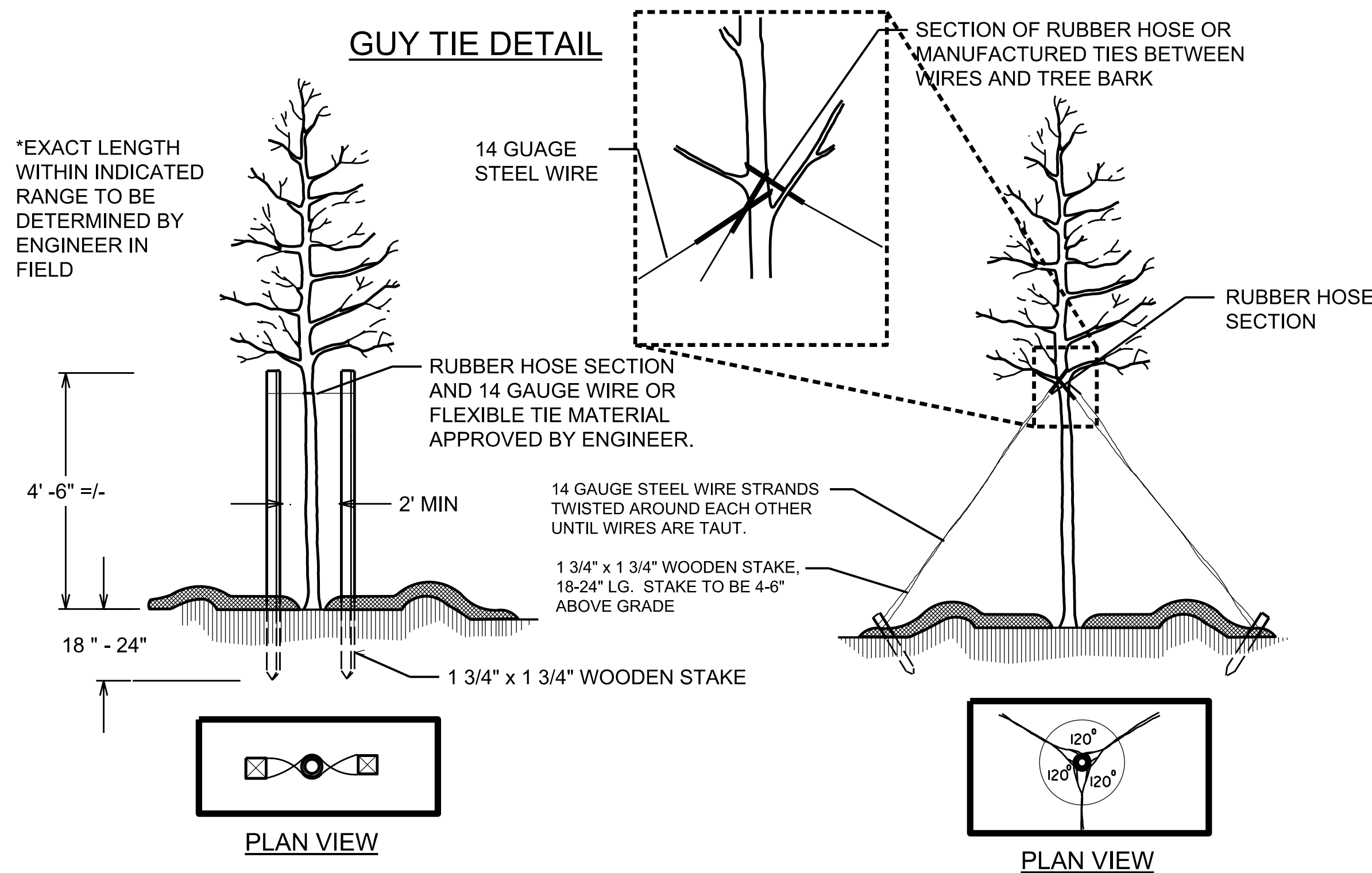


**SHRUB BED PLANTING DETAIL**

**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 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.

**GUY TIE DETAIL**

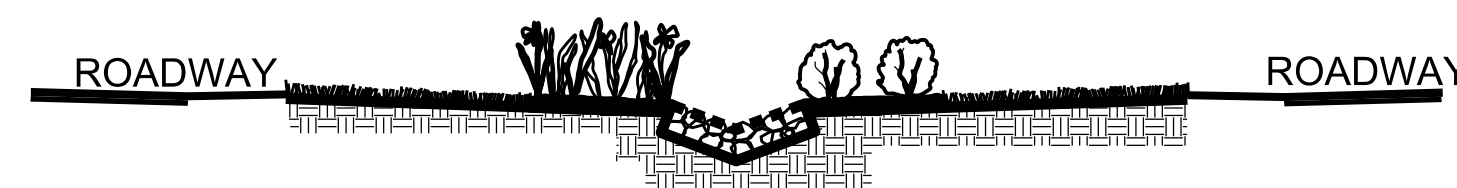


**STAKING DETAIL**  
(TREES 6'-10')

USE AS DIRECTED BY FIELD ENGINEER

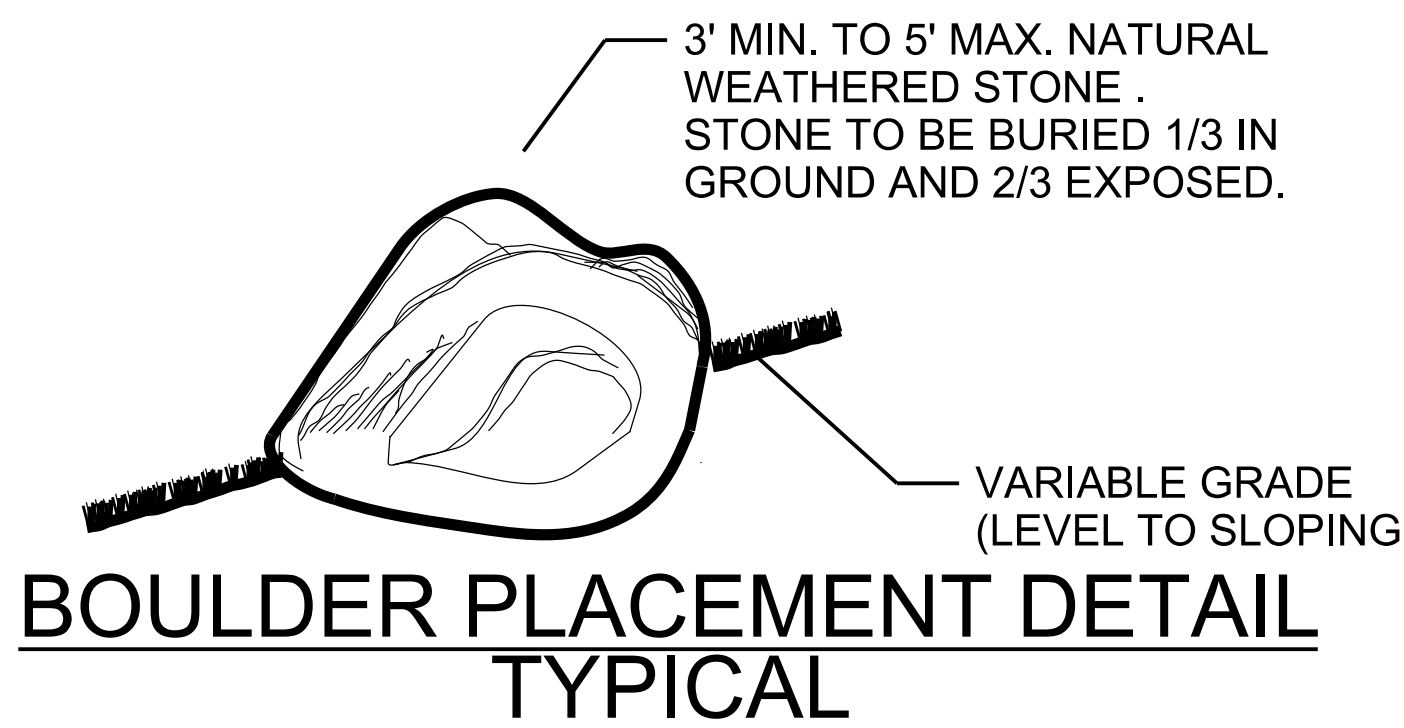
**GUYING DETAIL**  
(TREES 10' OR LARGER)

USE AS DIRECTED BY FIELD ENGINEER

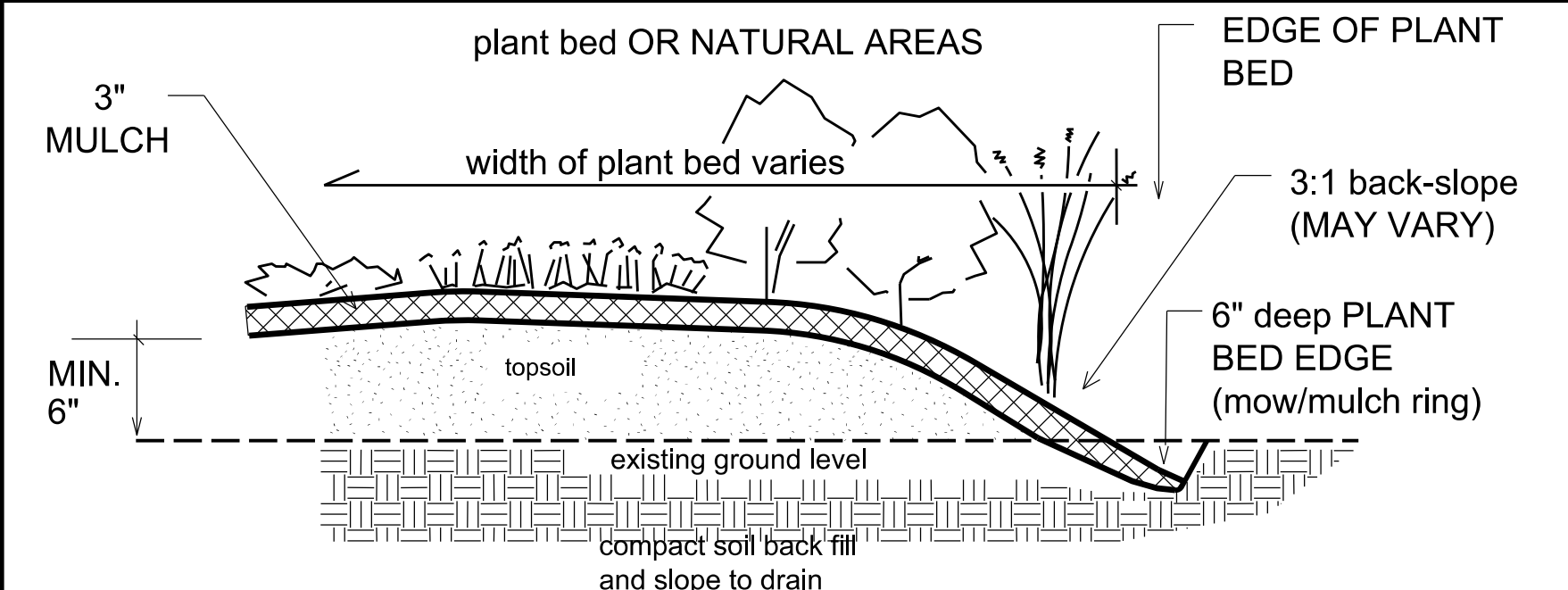


WASHED RIVER STONE (MIN. 2 INCH - MAX 6 INCH DIAM) ON FILTER FABRIC LINER IN DITCH. PLACE STONE FLUSH WITH DITCH GRADE FOR MAXIMUM WATER FLOW.

**RIVERSTONE DITCH LINING DETAIL**

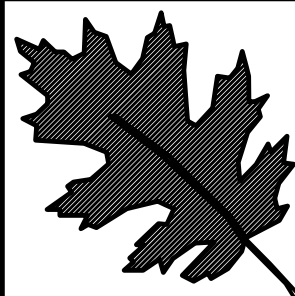


**BOULDER PLACEMENT DETAIL TYPICAL**



**PLANT BED EDGE DETAIL**

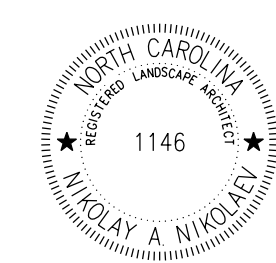
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\$\$\$\$\$SUSPERMIA\$\$\$\$\$



NCDOT - Division 3 - Roadside Environmental Unit  
803 Penderlea Highway Burgaw, NC 28425  
Ph: 910-259-4919 Fax: 910-259-2781  
Contact: Joe Chance

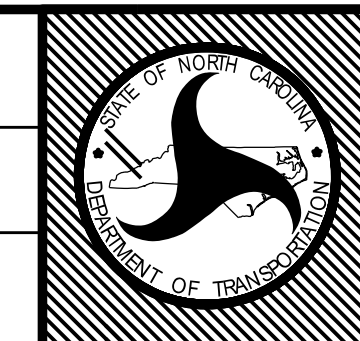
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Tel: 919/854-1282 Fax: 919/854-5448  
NC License No. C-1869  
Contact: Nick Nikolaev

Landscape Enhancement Projects  
Clinton, North Carolina  
Sampson County  
contract #:



prel. design date : December/2012  
checked by & date :  
final design date :

Details



T.I.P. #  
WBS # 3703.3.20  
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sheet no : L9  
total sheet no : 9