

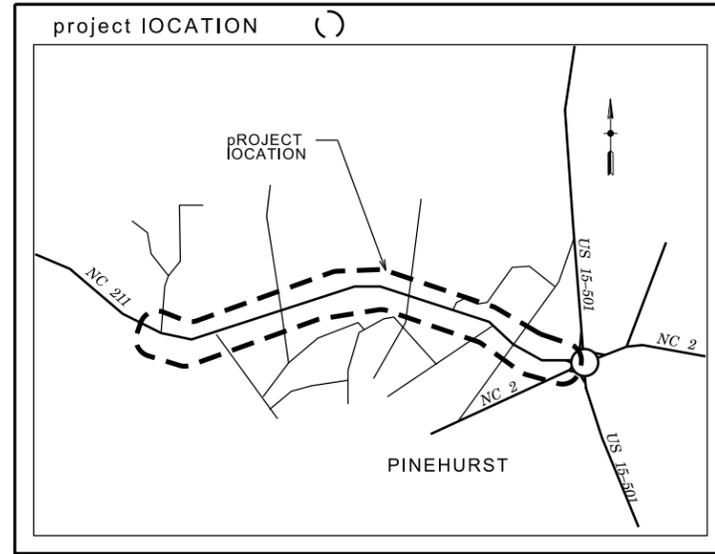


PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
R-2812	34504.3.3	L1	10
FED. PROJ. #	DESCRIPTION		DIVISION
	landscape		8

Project: Landscape Development ALONG NC 211



summary of project quantities

QTY.	UNIT	KEY	BOTANICAL NAME	COMMON NAME	FURNISH	REMARKS
Trees						
4	EA	APB	<i>Cercis canadensis</i>	Eastern Redbud	6-8', B&B	As Shown
8	EA	APT	<i>Cornus kousa</i>	Kousa (Chinese) Dogwood	6-8', B&B	As Shown
53	EA	CI	<i>Ilex x 'Nellie R. Stevens'</i>	Nellie R. Stevens Holly	6-8', B&B	8' O.C.
104	EA	CF	<i>Juniperus virginiana</i>	Red Cedar	5-6', B&B	As Shown
142	EA	LI	<i>Magnolia grandiflora</i> 'Little Gem'	Little Gem Southern Magnolia	6-8', B&B	As Shown
93	EA	PT	<i>Pinus palustris</i>	Longleaf Pine	8-10', B&B	As Shown
36	EA	PB	<i>Thuja plicata</i> 'Green Giant'	Green Giant Arborvitae	5-6', B&B	8' O.C.
Shrubs						
60	EA	IC	<i>Ilex verticillata</i>	Winterberry Holly	18-24", #3 Cont	6' O.C.
DESCRIPTION						
210	SY		Existing Plant Bed Renovation			
310	CY		Mulch for Planting			
60	MG		Water for Planting			
2,200	SY		Pre emergence Herbicidal Treatment			
2,200	SY		Post emergence Herbicidal Treatment			

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

 SUMMARY OF QUANTITIES

L2..... PLANTING DETAILS

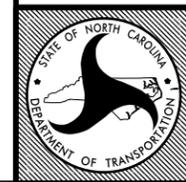
L3..... Landscape Detail

L4- L8..... LANDSCAPE Plan Sheets

PREPARED BY: BK DATE: SEPT/2015

REVISIONS

DATE	DESCRIPTION



STATE OF
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

LOCATION: US 211 Near Pinehurst

TYPE of WORK: Landscape Development

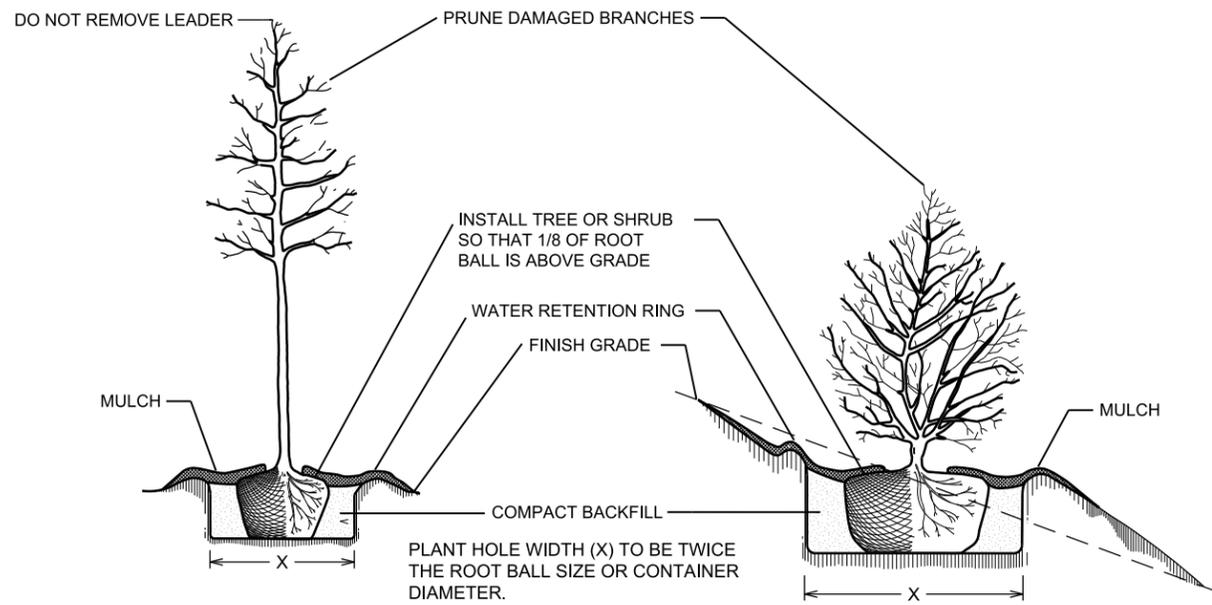
COUNTY: Moore

2004 American Standard for Nursery Stock

2012 NCDOT STANDARD SPECIFICATIONS

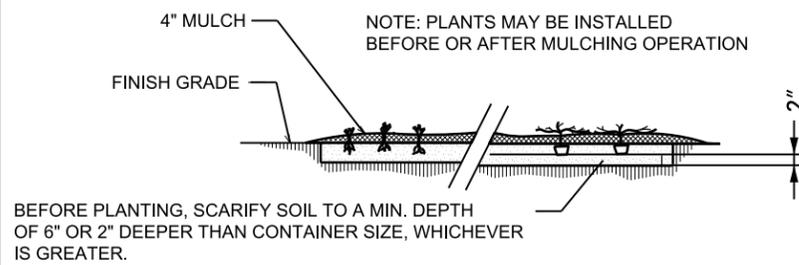
PREPARED IN THE OFFICE OF:
NCDOT- ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT SECTION
1557 MAIL SERVICE CENTER
RALEIGH NC 27699 919-707-2935

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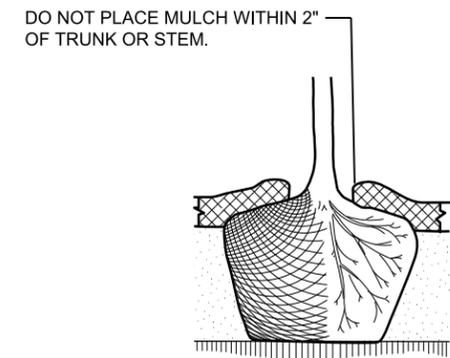


TREE OR SHRUB PLANTING DETAIL
(LEVEL GROUND)

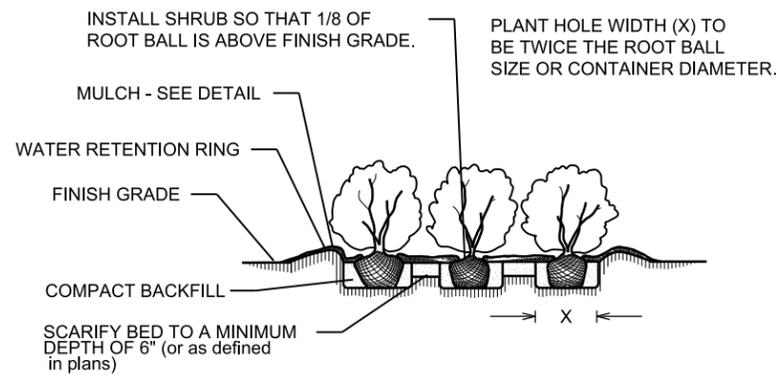
TREE OR SHRUB PLANTING DETAIL
(SLOPING GROUND)



GROUND COVER/ BEDDING
PLANT DETAIL

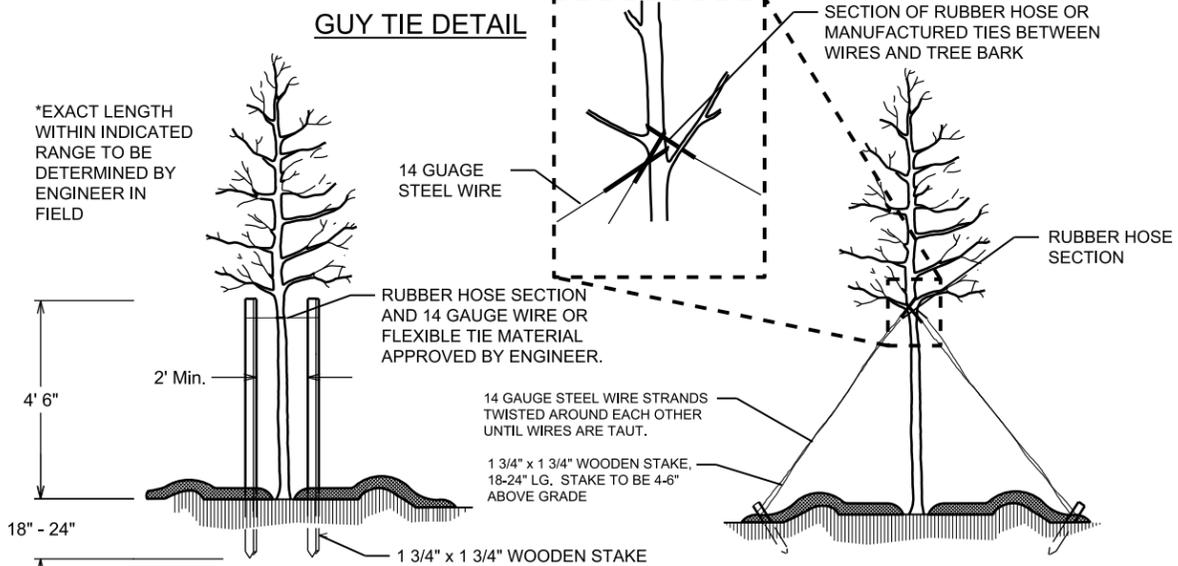


MULCH DETAIL



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 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.



GUY TIE DETAIL

STAKING DETAIL
(TREES 6'-10')

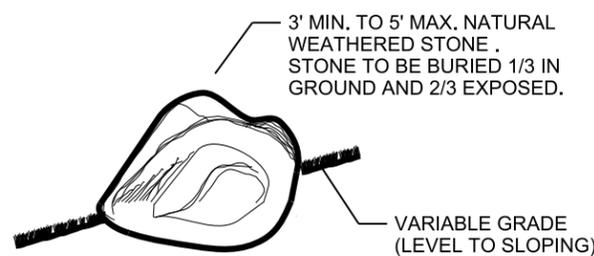
USE AS DIRECTED BY FIELD ENGINEER

GUYING DETAIL
(TREES 10' OR LARGER)

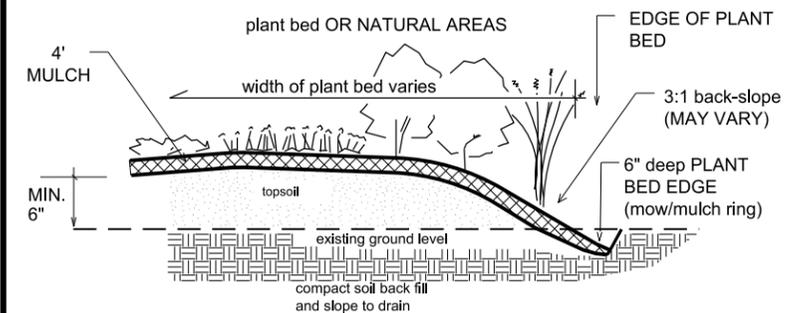
USE AS DIRECTED BY FIELD ENGINEER



RIVERSTONE
DITCH LINING DETAIL



BOULDER PLACEMENT DETAIL
TYPICAL



PLANT BED EDGE DETAIL



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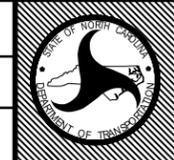
NC-211 in Pinehurst
Moore County

34504.3.3

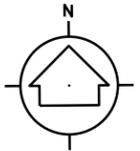
re u engineer
B. Kopetsky

prel. design date : Nov. 2014
checked by & date :
final design date :

planting DETAILS



T.I.P. # R-2812
WBS # 34504.3.3
FED I.D. # STP-0211(30)
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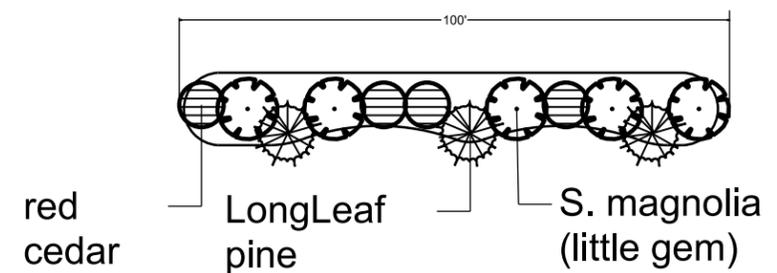


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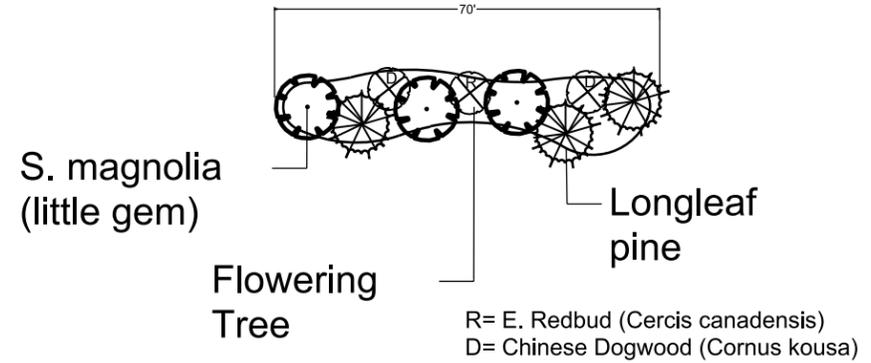
Not to Scale

- Green Giant Arborvitae
- Nellie R. Stevens Holly
- Winterberry Holly

Evergreen Screen Bed Detail



Accent Screen Bed Detail



***Note:** Stake and Adjust location of plantings in the field as directed by the engineer. treat area with herbicides as directed by the Engineer. Prepare plan beds prior to planting; Stagger plants, edge plant bed, and add 4" of Pine Straw mulch.

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NC-211 in Pinehurst
 Moore County
 contract #: 34504.3.3

Bob Kopetsky

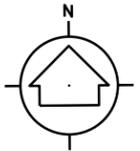
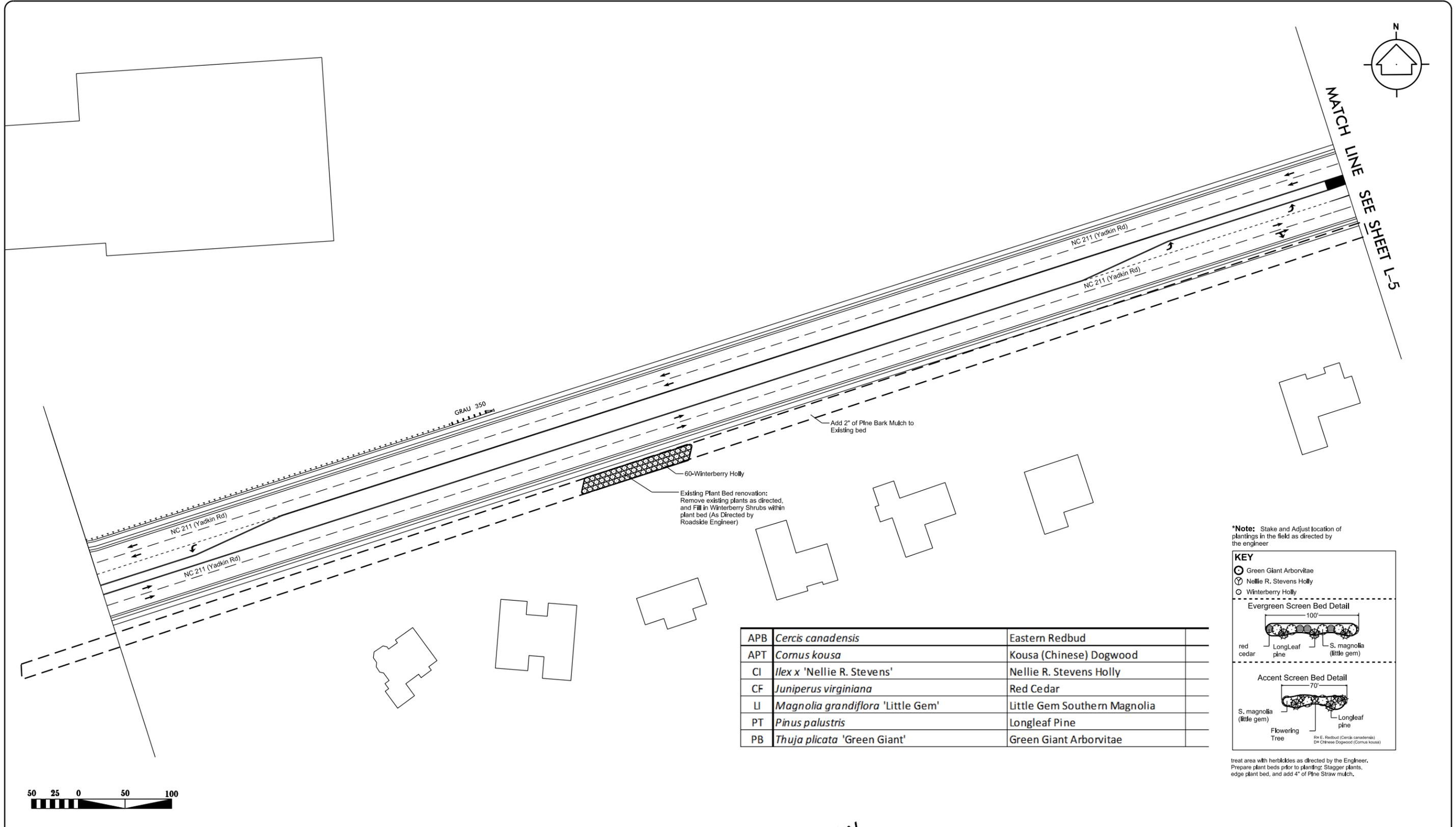
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	final design date :

Plant Key Detail
landscape plan sheet



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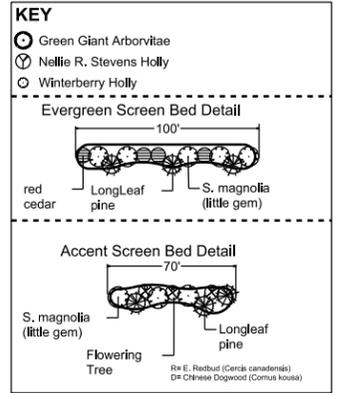
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MATCH LINE SEE SHEET L-5

APB	<i>Cercis canadensis</i>	Eastern Redbud	
APT	<i>Cornus kousa</i>	Kousa (Chinese) Dogwood	
CI	<i>Ilex x 'Nellie R. Stevens'</i>	Nellie R. Stevens Holly	
CF	<i>Juniperus virginiana</i>	Red Cedar	
LI	<i>Magnolia grandiflora 'Little Gem'</i>	Little Gem Southern Magnolia	
PT	<i>Pinus palustris</i>	Longleaf Pine	
PB	<i>Thuja plicata 'Green Giant'</i>	Green Giant Arborvitae	

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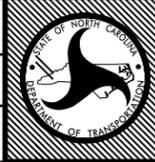
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NC-211 in Pinehurst
 Moore County
 contract #: 34504.3.3

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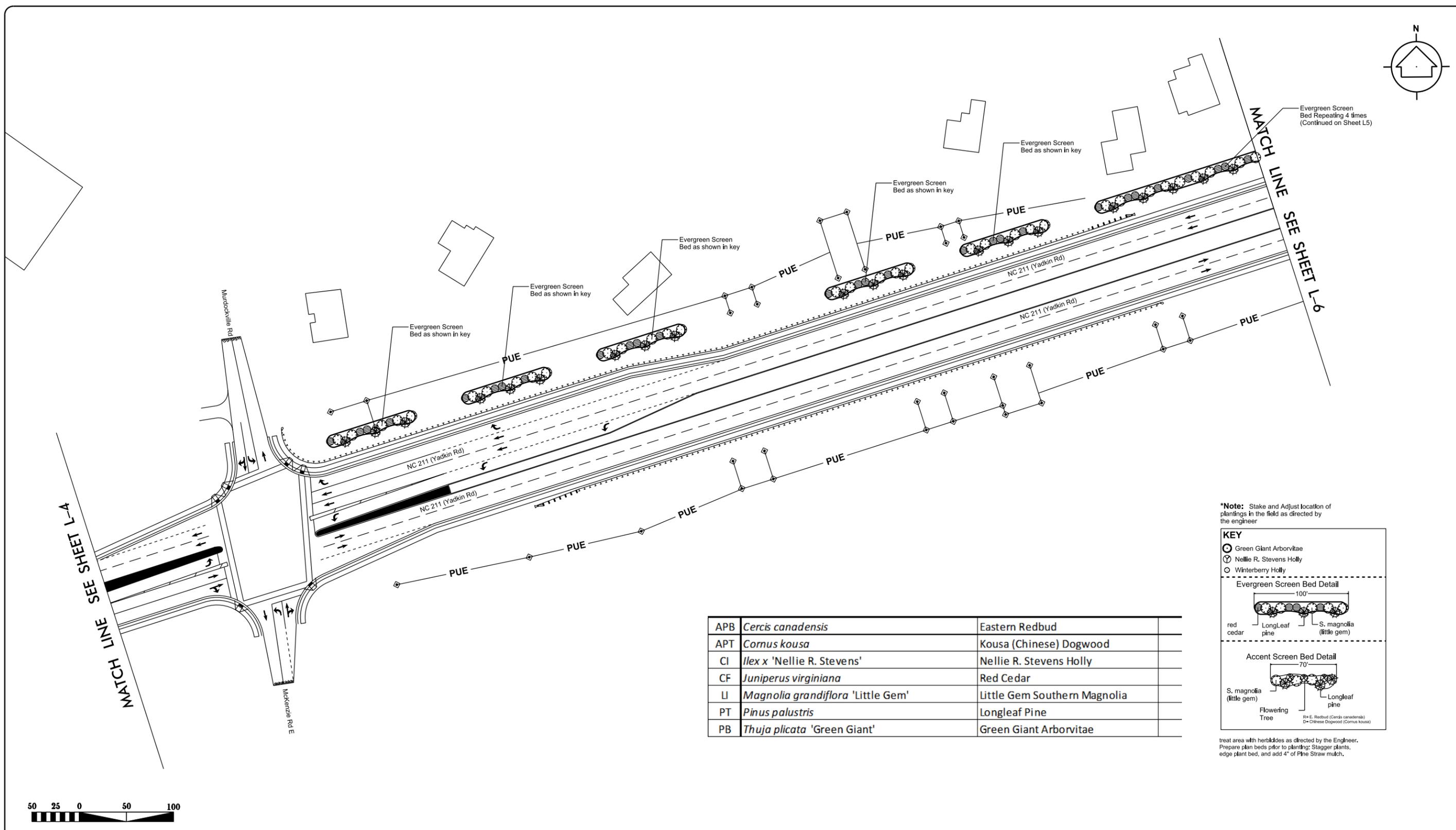
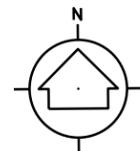
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Development Plan
landscape plan sheet



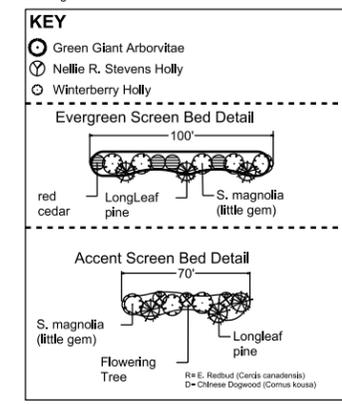
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total sheet no : 10

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APB	<i>Cercis canadensis</i>	Eastern Redbud
APT	<i>Cornus kousa</i>	Kousa (Chinese) Dogwood
CI	<i>Ilex x 'Nellie R. Stevens'</i>	Nellie R. Stevens Holly
CF	<i>Juniperus virginiana</i>	Red Cedar
LI	<i>Magnolia grandiflora</i> 'Little Gem'	Little Gem Southern Magnolia
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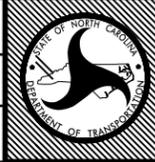
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NC-211 in Pinehurst
 Section 28
 contract #: 34504.3.3

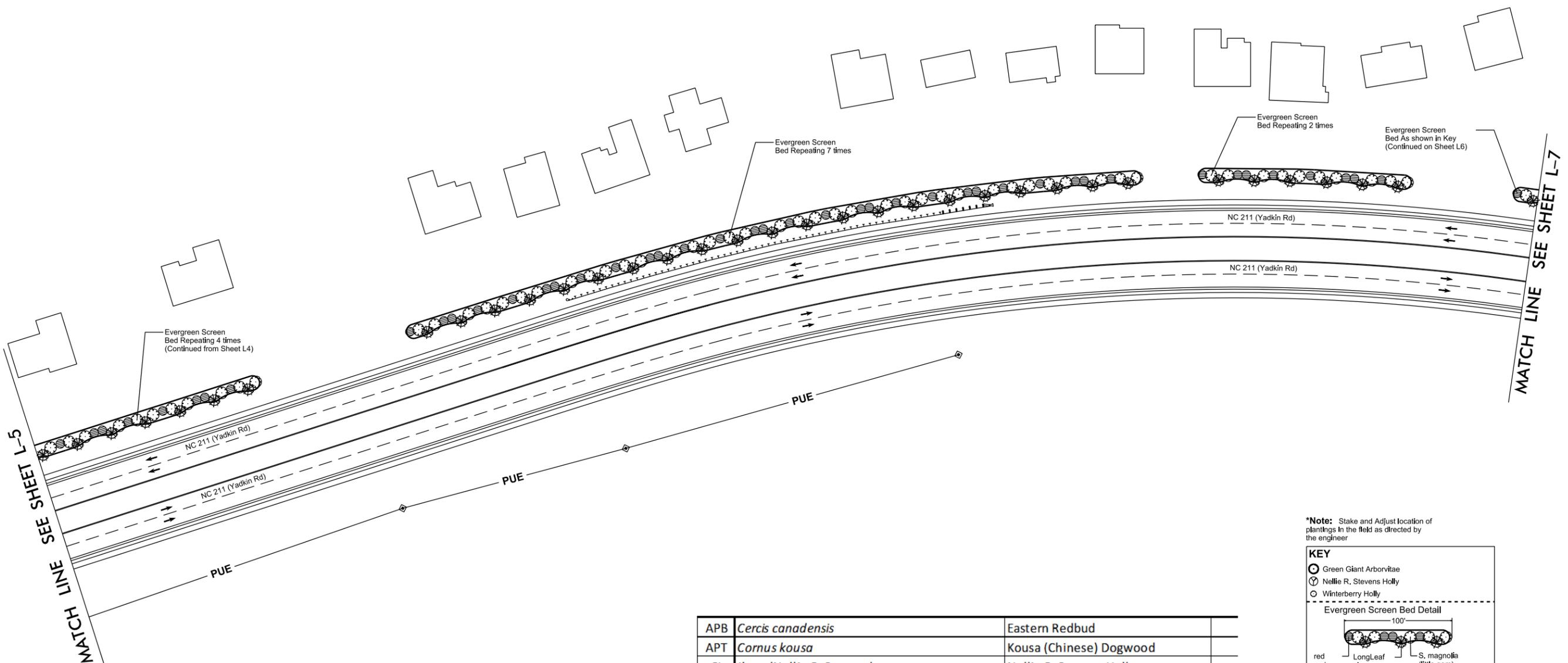
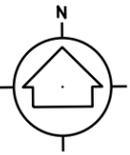
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 FED I.D. # STP-0211(30)
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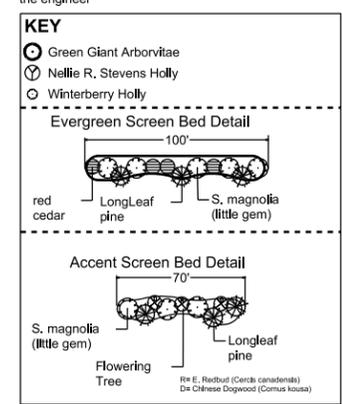


MATCH LINE SEE SHEET L-5

MATCH LINE SEE SHEET L-7

APB	<i>Cercis canadensis</i>	Eastern Redbud	
APT	<i>Cornus kousa</i>	Kousa (Chinese) Dogwood	
CI	<i>Ilex x 'Nellie R. Stevens'</i>	Nellie R. Stevens Holly	
CF	<i>Juniperus virginiana</i>	Red Cedar	
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PB	<i>Thuja plicata</i> 'Green Giant'	Green Giant Arborvitae	

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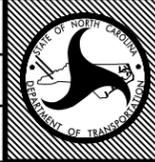
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NC-211 in Pinehurst
 Section 29
 contract #: 34504.3.3

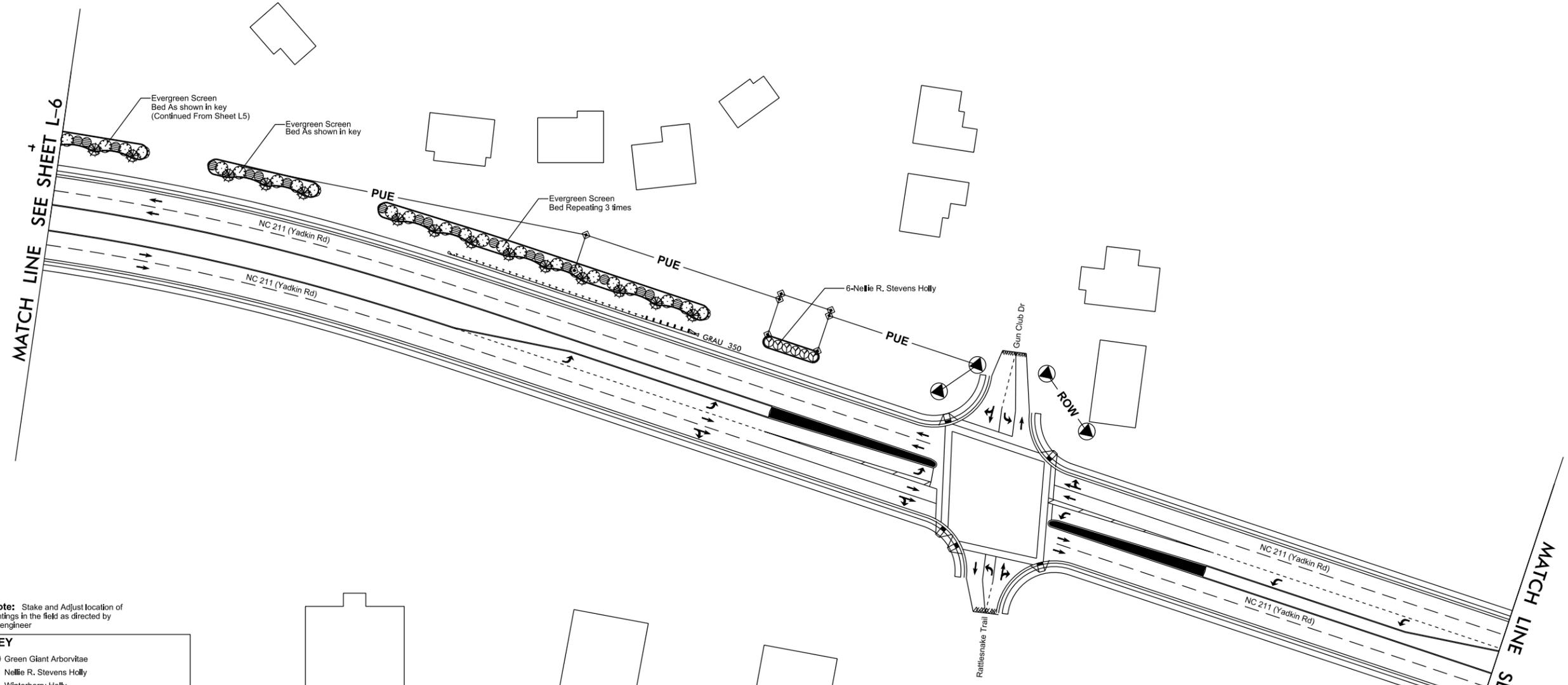
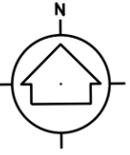
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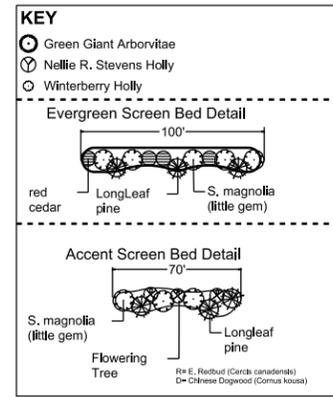
Development Plan
landscape plan sheet



T.I.P. # R-2812
WBS # 34504.3.3
FED I.D. # STP-0211(30)
sheet no: L-6
total sheet no: 10



***Note:** Stake and Adjust location of plantings in the field as directed by the engineer



treat area with herbicides as directed by the Engineer. Prepare plan beds prior to planting. Stagger plants, edge plant bed, and add 4" of Pine Straw mulch.

APB	<i>Cercis canadensis</i>	Eastern Redbud	
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PT	<i>Pinus palustris</i>	Longleaf Pine	
PB	<i>Thuja plicata 'Green Giant'</i>	Green Giant Arborvitae	



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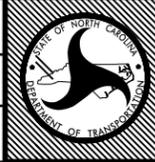
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NC-211 in Pinehurst
 Section 30
 contract #: 34504.3.3

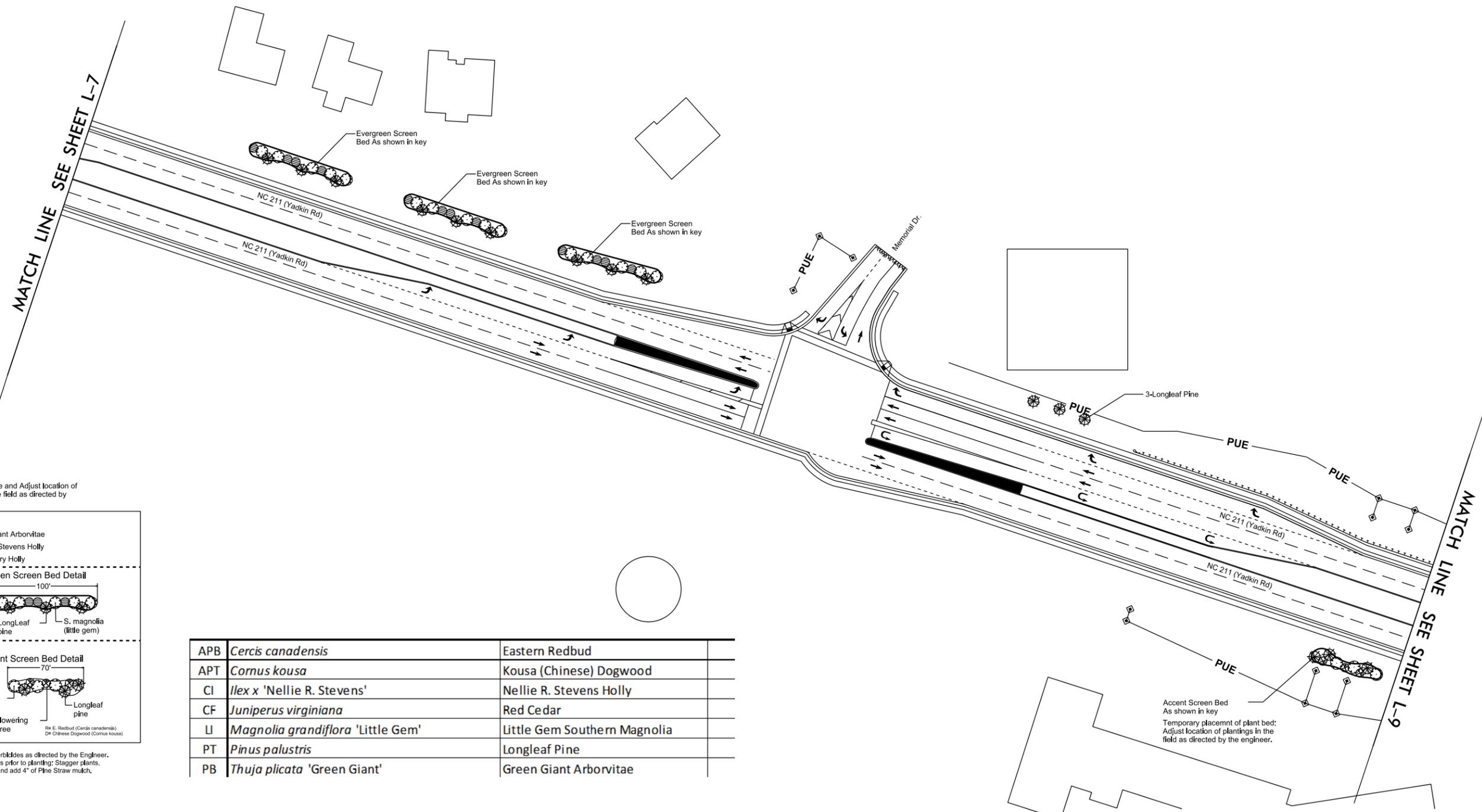
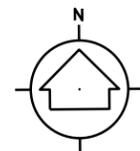
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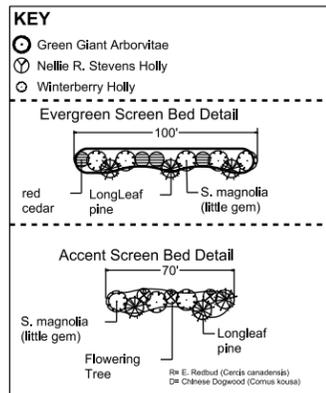
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T.I.P. # R-2812
WBS # 34504.3.3
FED I.D. # STP-0211(30)
sheet no: L-7 total sheet no: 10



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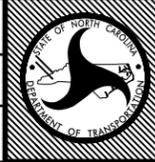
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NC-211 in Pinehurst
 Section 31
 contract #: 34504.3.3

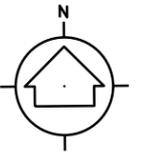
Bob Kopetsky

sheet description:	prel. design date : Dec. 2014
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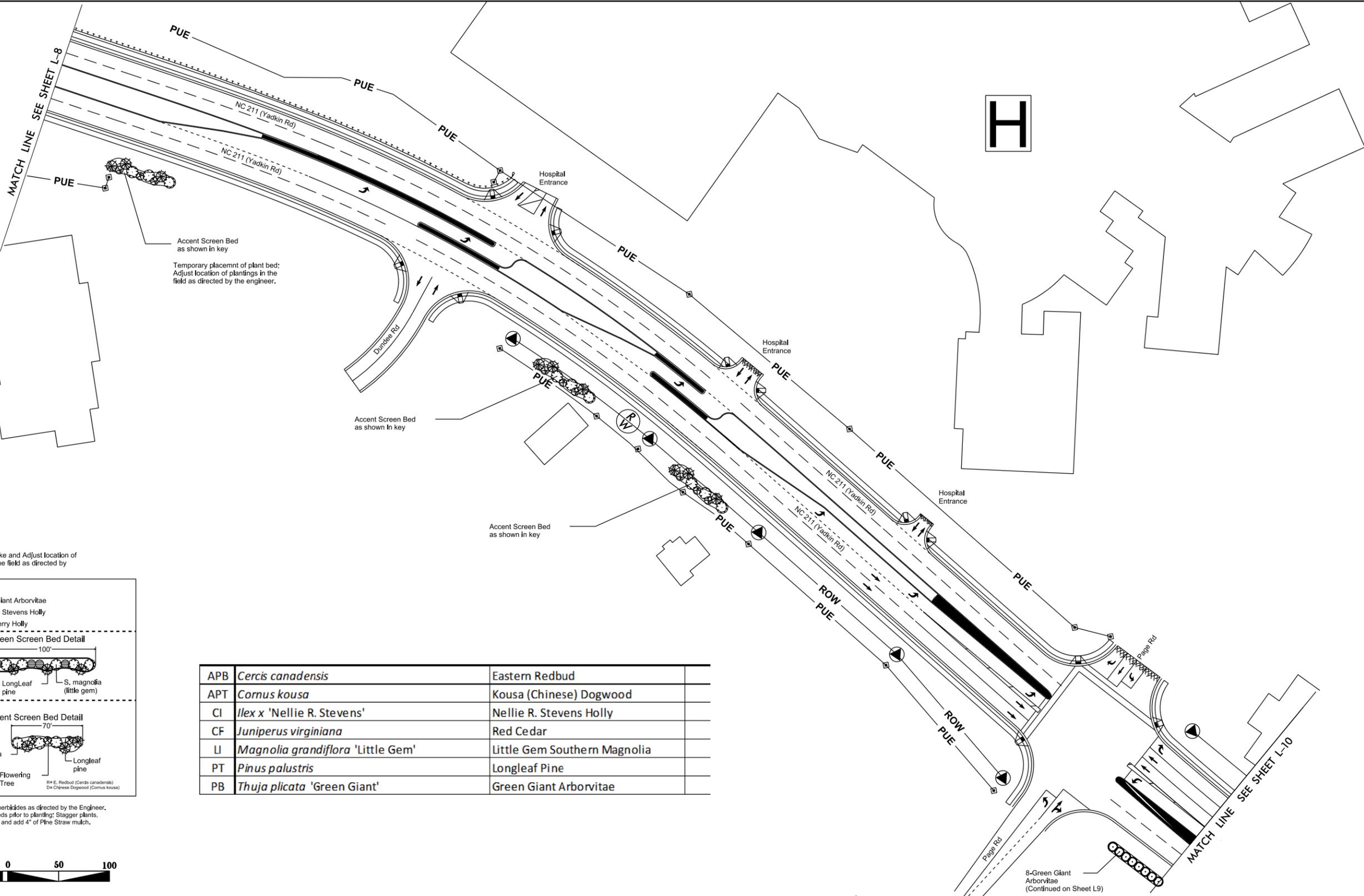
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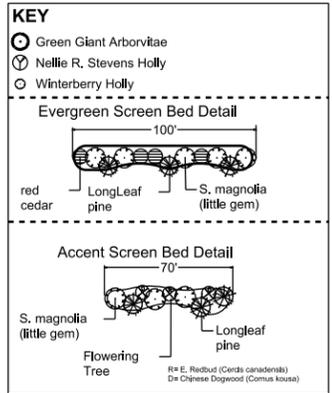
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WBS # 34504.3.3
FED I.D. # STP-0211(30)
sheet no : L-8 total sheet no : 10



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***Note:** Stake and Adjust location of plantings in the field as directed by the engineer



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treat area with herbicides as directed by the Engineer.
Prepare plan beds prior to planting; Stagger plants, edge plant bed, and add 4" of Pine Straw mulch.



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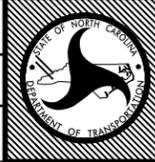
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NC-211 in Pinehurst
Section 32

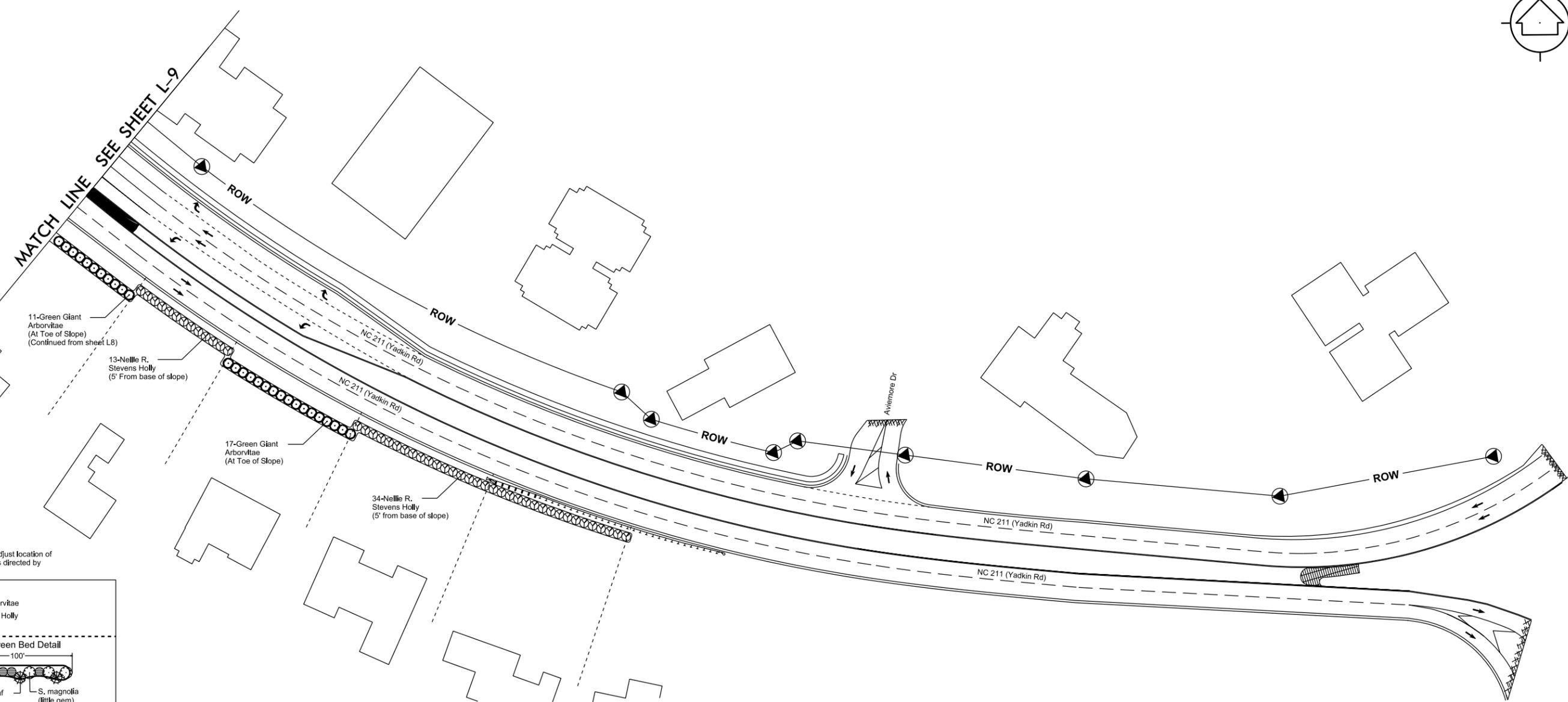
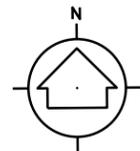
contract #: 34504.3.3

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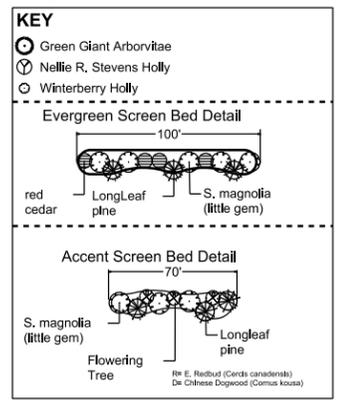
sheet description:	prel. design date: Dec. 2014	Development Plan
	checked by & date:	landscape plan sheet
	final design date:	



T.I.P. # R-2812
WBS # 34504.3.3
FED I.D. # STP-0211(30)
sheet no: L-9 total sheet no: 10

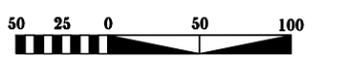


***Note:** Stake and Adjust location of plantings in the field as directed by the engineer



treat area with herbicides as directed by the Engineer. Prepare plan beds prior to planting; Stagger plants, edge plant bed, and add 4" of Pine Straw mulch.

APB	<i>Cercis canadensis</i>	Eastern Redbud
APT	<i>Cornus kousa</i>	Kousa (Chinese) Dogwood
CI	<i>Ilex x 'Nellie R. Stevens'</i>	Nellie R. Stevens Holly
CF	<i>Juniperus virginiana</i>	Red Cedar
LI	<i>Magnolia grandiflora 'Little Gem'</i>	Little Gem Southern Magnolia
PT	<i>Pinus palustris</i>	Longleaf Pine
PB	<i>Thuja plicata 'Green Giant'</i>	Green Giant Arborvitae



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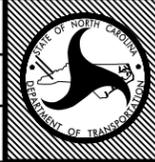
ncdot - Roadside environmental unit
 landscape design & Development
 1557 mail service center raleigh nc 27699-1557
 ph: 919-707-2935 fax: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

NC-211 in Pinehurst
 Section 33
 contract #: 34504.3.3

Bob Kopetsky

sheet description:	prel. design date : Dec. 2014
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	final design date :

Development Plan
landscape plan sheet



T.I.P. # R-2812
WBS # 34504.3.3
FED I.D. # STP-0211(30)
sheet no : L-10 total sheet no : 10