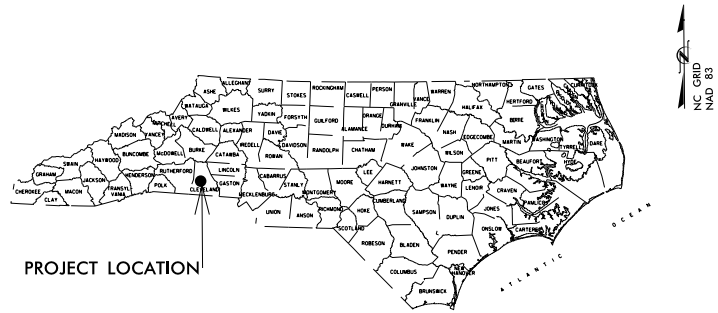


HIGHWAY LANDSCAPE DEVELOPMENT PROJECT

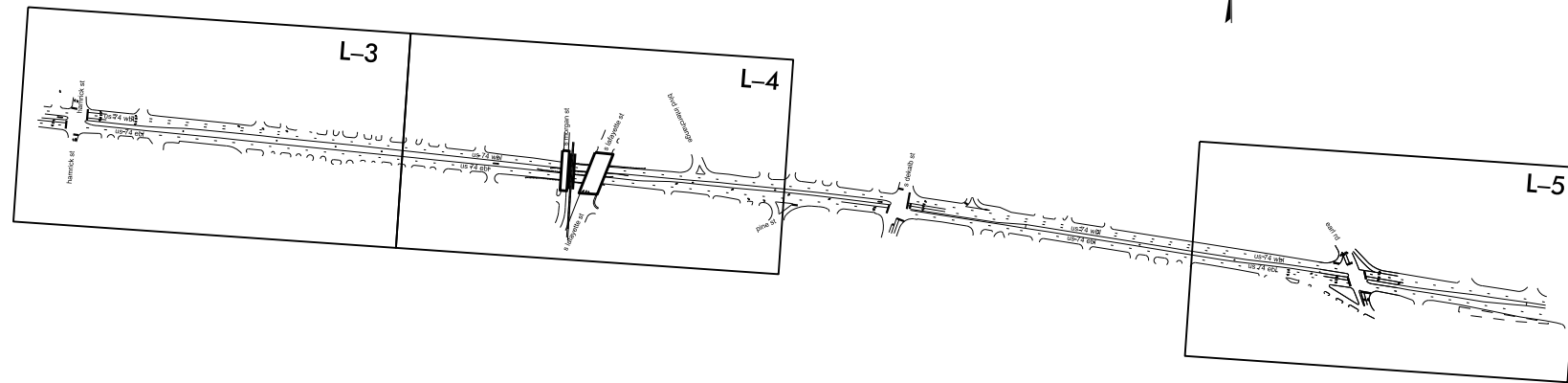


T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
-	3712.3.18	L-1	5
FED. PROJ. #	DESCRIPTION		DIVISION
-	US 74		12



CLEVELAND COUNTY

PROJECT LOCATION: US HIGHWAY 74 IN SHELBY NC
 TYPE OF WORK: LANDSCAPE ENHANCEMENT PLANTING



summary of quantities

DES	SEC	QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	SIZE	FURNISH	A.S.N.S	REMARKS
L	1670	468	EA	AK	Abelia x grandiflora 'Kaleidoscope'	Kaleidoscope Abelia	18-24"	#3 cont.	4.2.3	4' o.c.
L	1670	6	EA	CC	Cercis canadensis 'Forest Pansy'	Forest Pansy Redbud	6-8'	B&B	1.3	As shown
L	1670	90	EA	CP	Chamaecyparis pisifera 'Kings Gold'	Kings Gold Japanese False Cypress	18-24"	#3 cont.		8' o.c.
L	1670	63	EA	EA	Euonymus alatus 'Compacta'	Compact Burning Bush	18-24"	#3 cont.	2.2.3	5' o.c.
L	1670	5073	EA	HM	Hemerocallis 'Mary Todd'	Mary Todd Daylily		#1 cont.	12.2.3	2' o.c.
L	1670	94	EA	IM	Ilex x meserveae 'China Girl Holly'	China Girl Holly	18-24"	#3 cont.	4.2.2	10' o.c.
L	1670	1249	EA	JP	Juniperus horizontalis 'Prince of Wales'	Prince of Wales Juniper		#1 cont.	3.2.2	3' o.c.
L	1670	125	EA	LC	Lagerstroemia indica 'Cherry Dazzle'	Cherry Dazzle Crape Myrtle	24-30"	#5 cont.	2.2.3	4' o.c.
L	1670	60	EA	LD	Lagerstroemia indica 'Diamond Dazzle'	Diamond Dazzle Crape Myrtle	24-30"	#5 cont.	2.2.3	4' o.c.
L	1670	40	EA	RD	Rosa x 'Double Knock Out'	Double Red Knock Out Rose	18-24"	#3 cont.	5.2	4' o.c.
L	1670	680	CY		Mulch for Planting					
L	1670	50	M/G		Water for Planting					
L		1	LS		Establishment Period - 12 Months					
L		1	LS		Plant Bed Preparation					

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

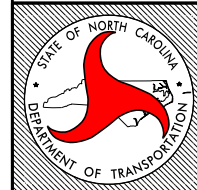
INDEX OF L SHEETS:
 L-1 ... TITLE, DESCRIPTION, LOCATION
 L-2 ... PLANTING DETAILS
 L-3 - L-6 ... LANDSCAPE PLANTING PLANS

PREPARED BY: BM DATE: 11-2014

REVISIONS

DATE	DESCRIPTION

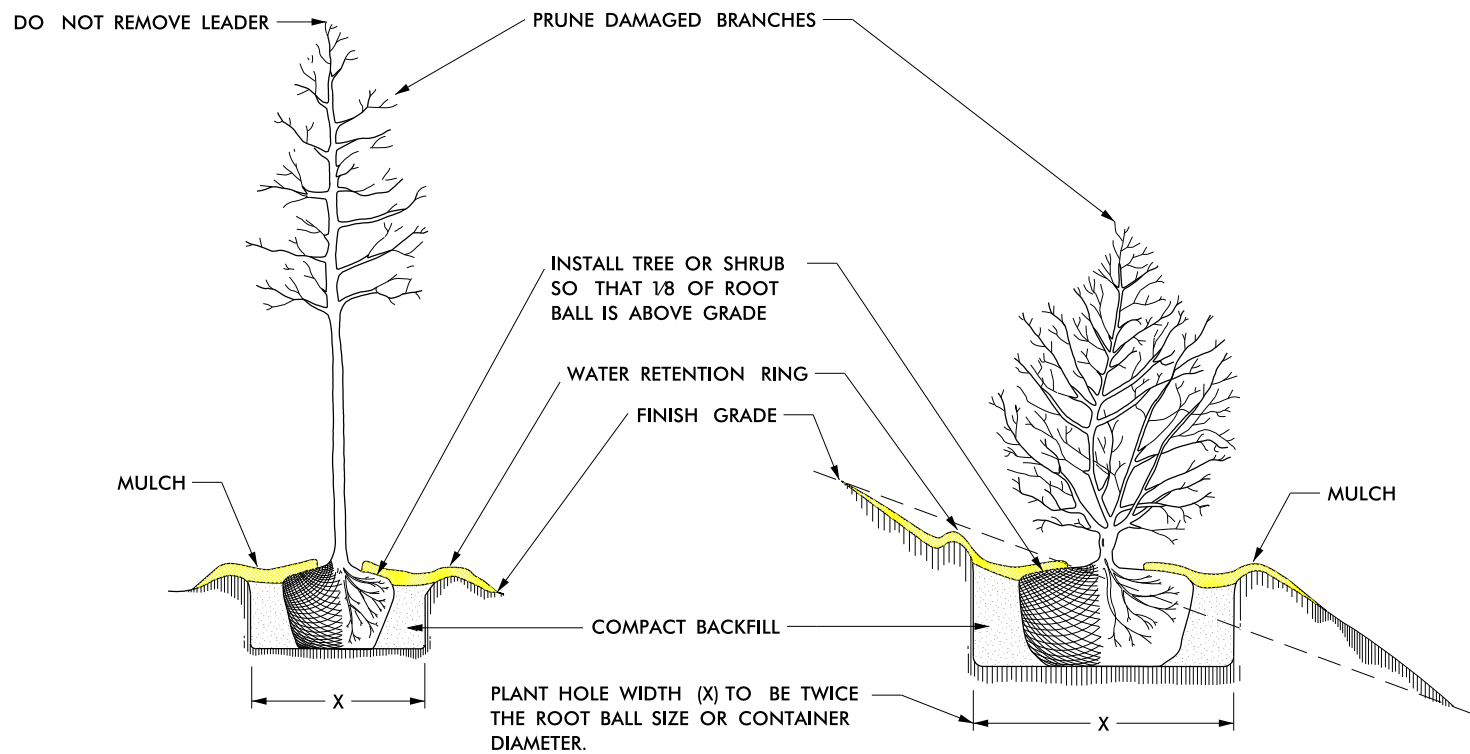
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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION

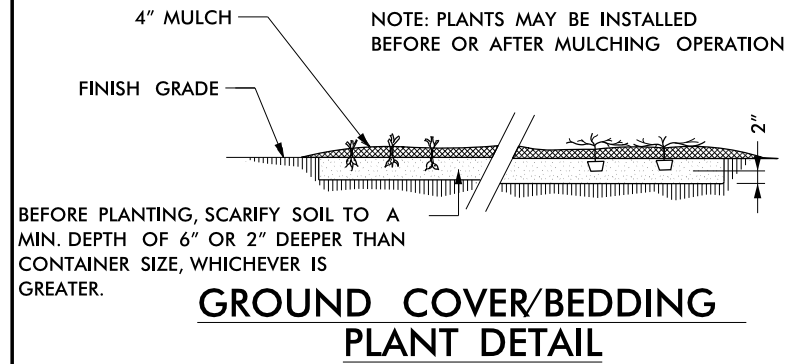
LOCATION:	US HIGHWAY 74
TYPE OF WORK:	Landscape Enhancement Planting
COUNTY:	Cleveland County

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 919-707-2920

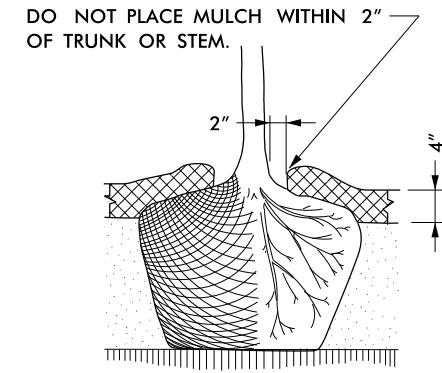


TREE OR SHRUB PLANTING DETAIL
(LEVEL GROUND)

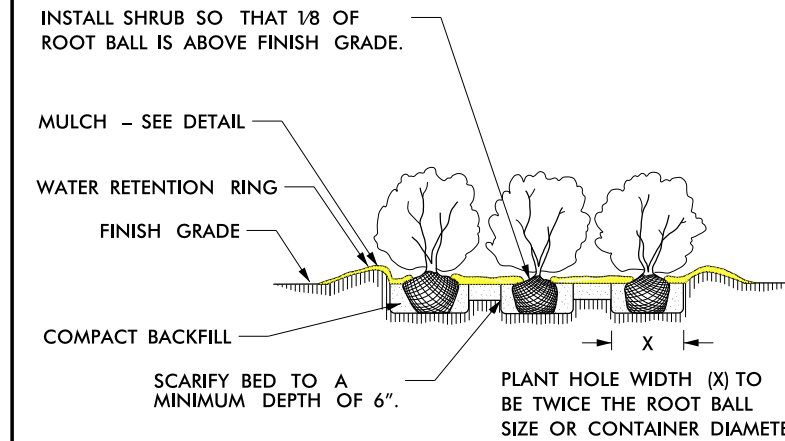
TREE OR SHRUB PLANTING DETAIL
(SLOPING GROUND)



GROUND COVER/BEDDING PLANT DETAIL



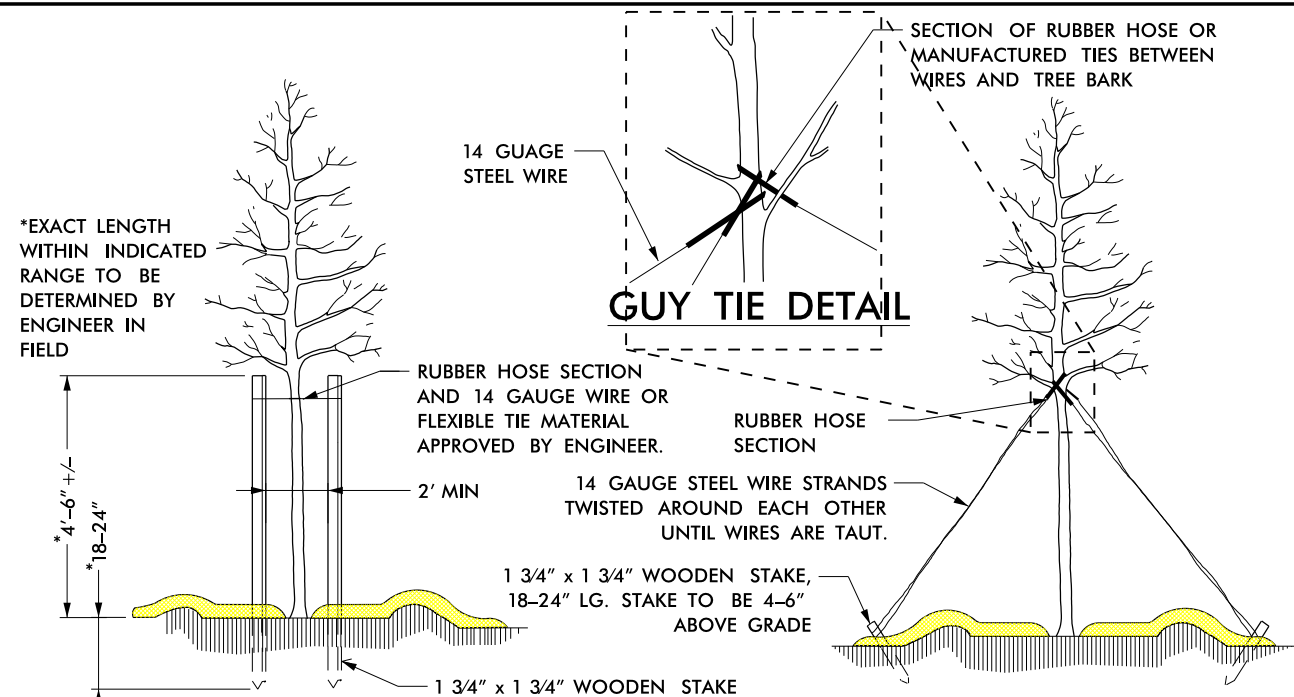
MULCH DETAIL



SHRUB BED PLANTING DETAIL

NOTES:

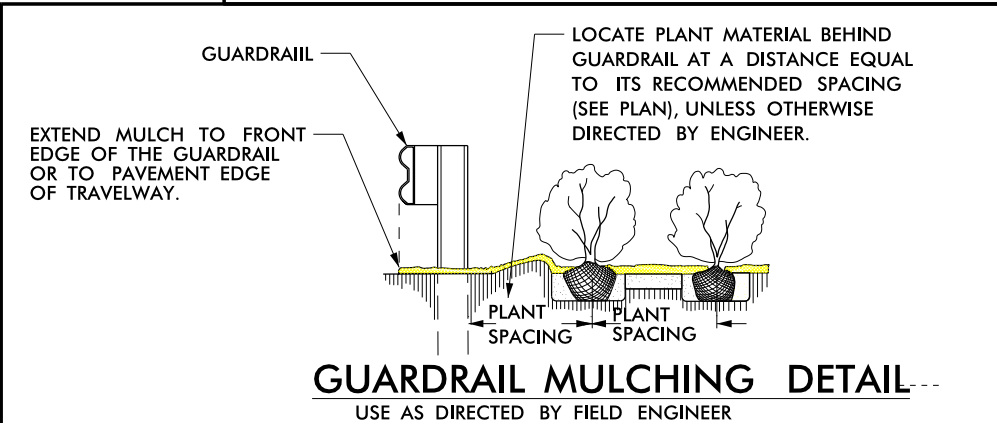
- SCHEDULE FOR PLANT HOLE SIZE: PLANT HOLE WIDTH (X) TO BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.
- SEE STANDARD SPECIFICATIONS FOR PLANT BED FUMIGATION AND HERBICIDAL TREATMENT.
- APPLY FERTILIZER AT PLANTING TIME IN THE FORM OF A SLOW RELEASE PELLET OR TABLET. APPLY AT RATE RECOMMENDED BY 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.



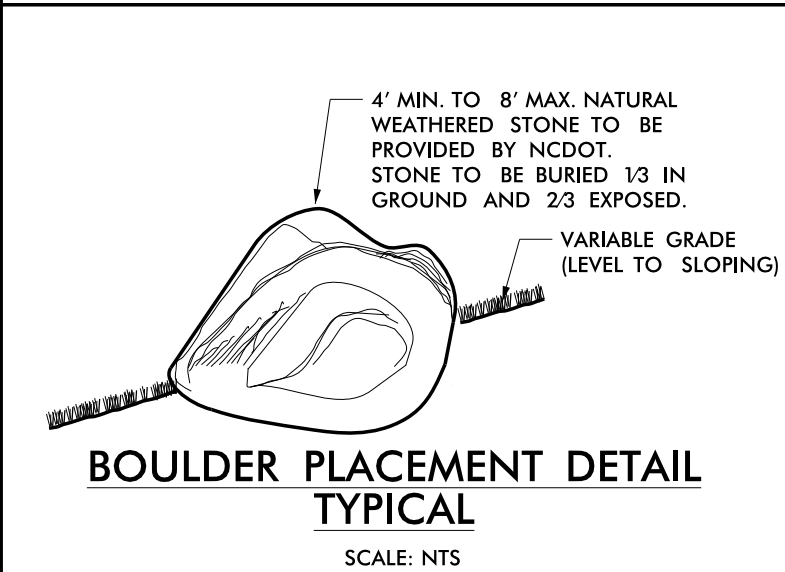
GUY TIE DETAIL

STAKING DETAIL

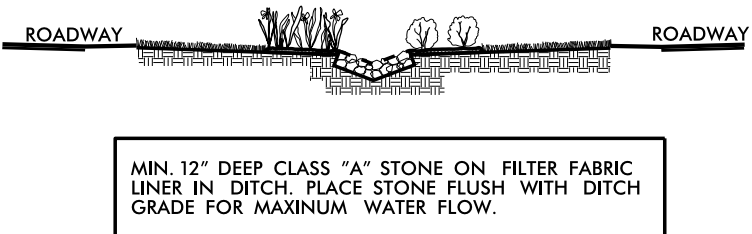
GUYING DETAIL



GUARDRAIL MULCHING DETAIL



BOULDER PLACEMENT DETAIL
TYPICAL



CLASS "A" STONE DITCH LINING DETAIL

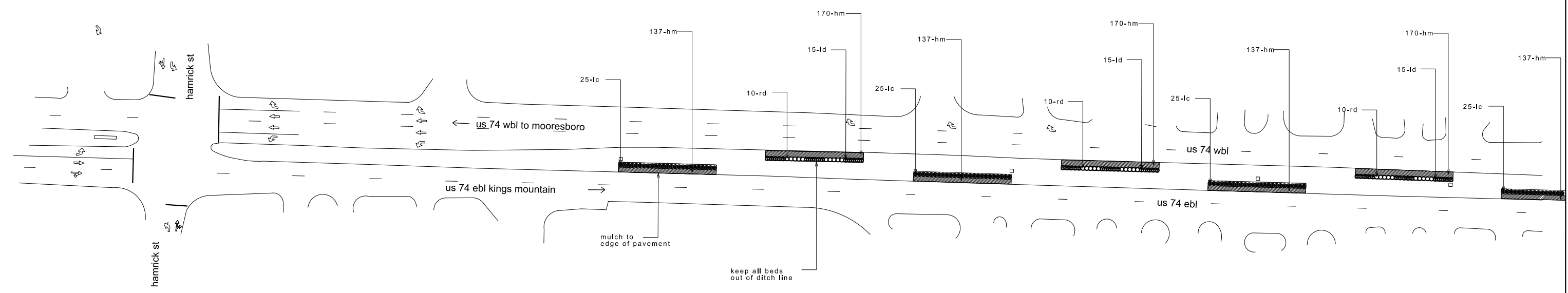
Planting Details

North Carolina Department of Transportation
 Roadside Environmental Unit
 Landscape Design & Development Section



PROJECT TITLE :
US 74 HIGHWAY SHELBY CLEVELAND COUNTY

Plans Drawn By:	BM
Scale:	
Date:	12 / 19 / 2014
Sheet Description:	
T.I.P. #:	
Sheet #:	L-2



plant list

QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	REMARKS
	EA	AK	Abelia x grandiflora 'Kaleidoscope'	Kaleidoscope Abelia	4'
	EA	CC	Cercis canadensis 'Forest Pansy'	Forest Pansy Red Bud	As Shown
	EA	CP	Chamaecyparis pisifera 'Kings Gold'	Kings Gold Japanese False Cypress	8'
	EA	EA	Euonymus alatus 'Compacta'	Compact Burning Bush	5'
1058	EA	HM	Hemerocallis 'Mary Todd'	Mary Todd Daylily	2' o.c.
	EA	IM	Ilex x meserveae 'China Girl Holly'	China Girl Holly	10'
	EA	JP	Juniperus horizontalis 'Prince of Wales'	Prince of wales Juniper	3' o.c.
100	EA	LC	Lagerstroemia indica 'Cherry Dazzle'	Cherry Dazzle Crape Myrtle	4' o.c.
45	EA	LD	Lagerstroemia indica 'Diamond Dazzle'	Diamond Dazzle Crape Myrtle	4' o.c.
30	EA	RD	Rosa x 'Double Knock Out'	Double Red Knock Out Rose	4' o.c.

note: follow direction of division roadside engineer.
all field revision must be approved by engineer
before planting. take extra caution when planting
on slopes. make sure all plants are in ground properly



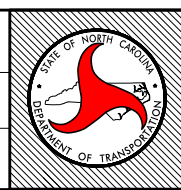
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT
1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557
PH: 919-707-2920 FAX: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

HWY US 74 CLEVELAND CO
CITY OF SHELBY
project #: 3712.3.18

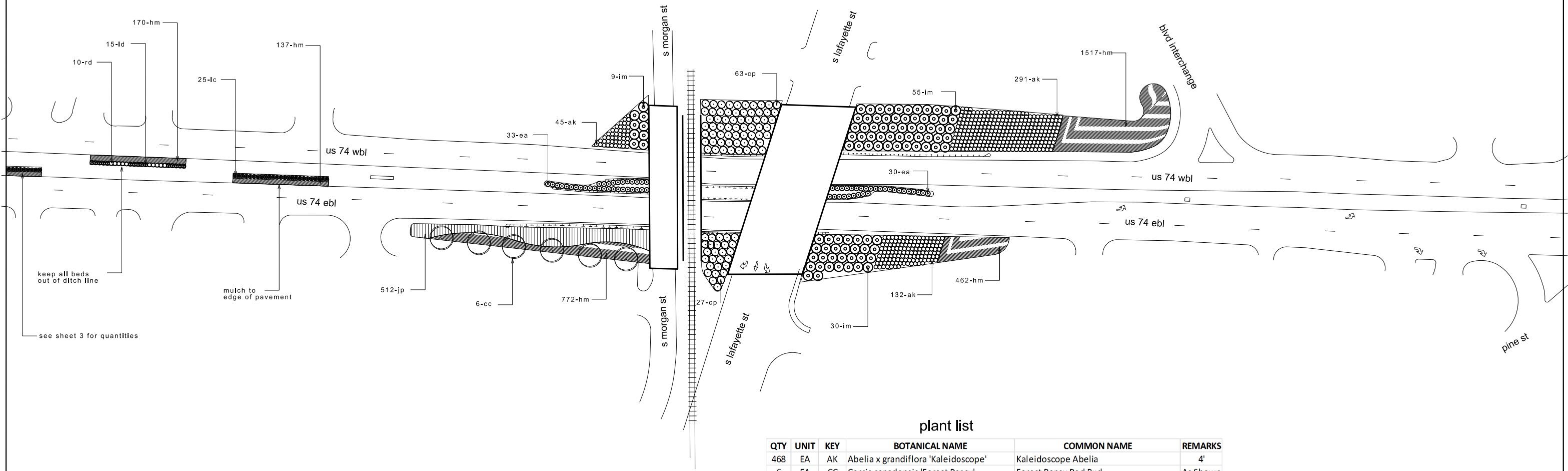
reu engineer:
B. Minter Sr.

sheet description:
planting plan
enhancement planting

pret design date: oct-2014
checked by & date:
final design date: dec-2014



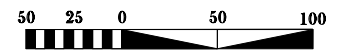
sheet no :
L-3
total sheet no :
5



note: follow direction of division roadside engineer.
 all field revision must be approved by engineer
 before planting. take extra caution when planting
 on slopes. make sure all plants are in ground properly

plant list

QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	REMARKS
468	EA	AK	Abelia x grandiflora 'Kaleidoscope'	Kaleidoscope Abelia	4'
6	EA	CC	Cercis canadensis 'Forest Pansy'	Forest Pansy Red Bud	As Shown
90	EA	CP	Chamaecyparis pisifera 'Kings Gold'	Kings Gold Japanese False Cypress	8'
63	EA	EA	Euonymus alatus 'Compacta'	Compact Burning Bush	5'
3058	EA	HM	Hemerocallis 'Mary Todd'	Mary Todd Daylily	2' o.c.
94	EA	IM	Ilex x meserveae 'China Girl Holly'	China Girl Holly	10'
512	EA	JP	Juniperus horizontalis 'Prince of Wales'	Prince of wales Juniper	3' o.c.
25	EA	LC	Lagerstroemia indica 'Cherry Dazzle'	Cherry Dazzle Crape Myrtle	4' o.c.
15	EA	LD	Lagerstroemia indica 'Diamond Dazzle'	Diamond Dazzle Crape Myrtle	4' o.c.
10	EA	RD	Rosa x 'Double Knock Out'	Double Red Knock Out Rose	4' o.c.



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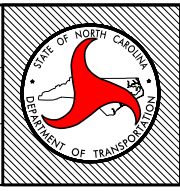
HWY US 74 CLEVELAND CO
 CITY OF SHELBY
 project #: 3712.3.18

reu engineer:

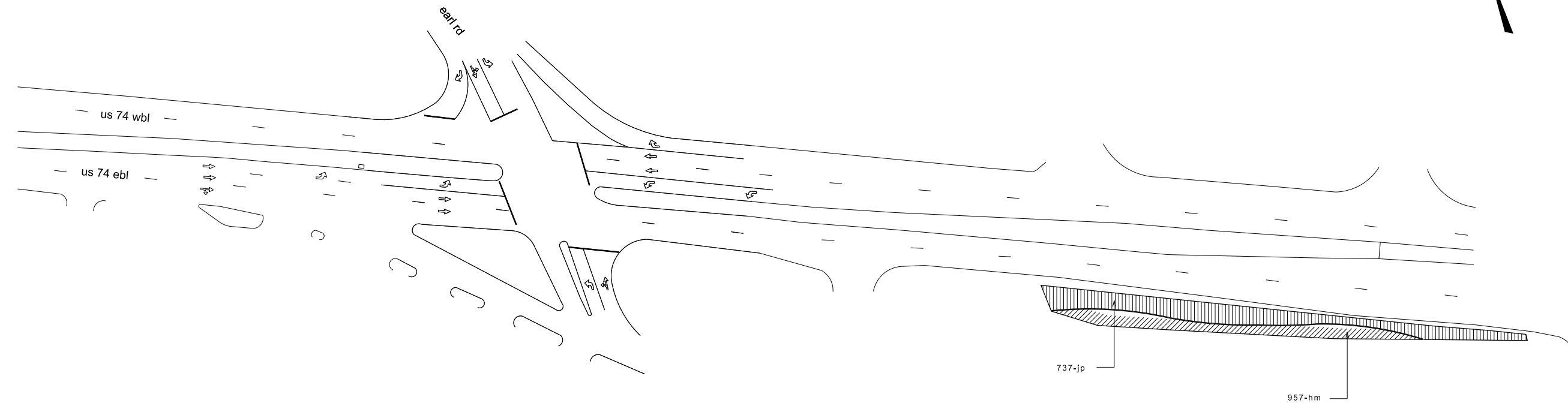
 B. Minter Sr.

sheet description:
 planting plan
 enhancement planting

prel design date: oct-2014
 checked by & date:
 final design date: dec-2014



sheet no :
L-4
 total sheet no :
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note: follow direction of division roadside engineer.
 all field revision must be approved by engineer
 before planting. take extra caution when planting
 on slopes. make sure all plants are in ground properly

plant list

QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	REMARKS
	EA	AK	Abelia x grandiflora 'Kaleidoscope'	Kaleidoscope Abelia	4'
	EA	CC	Cercis canadensis 'Forest Pansy'	Forest Pansy Red Bud	As Shown
	EA	CP	Chamaecyparis pisifera 'Kings Gold'	Kings Gold Japanese False Cypress	8'
	EA	EA	Euonymus alatus 'Compacta'	Compact Burning Bush	5'
957	EA	HM	Hemerocallis 'Mary Todd'	Mary Todd Daylily	2' o.c.
	EA	IM	Ilex x meserveae 'China Girl Holly'	China Girl Holly	10'
737	EA	JP	Juniperus horizontalis 'Prince of Wales'	Prince of wales Juniper	3' o.c.
	EA	LC	Lagerstroemia indica 'Cherry Dazzle'	Cherry Dazzle Crape Myrtle	4' o.c.
	EA	LD	Lagerstroemia indica 'Diamond Dazzle'	Diamond Dazzle Crape Myrtle	4' o.c.
	EA	RD	Rosa x 'Double Knock Out'	Double Red Knock Out Rose	4' o.c.



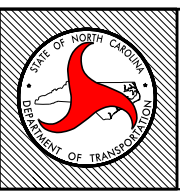
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HWY US 74 CLEVELAND CO
 CITY OF SHELBY
 project #: 3712.3.18

reu engineer: B. Minter Sr.
 sheet description:

planting plan
 enhancement planting

prel design date: oct-2014
 checked by & date :
 final design date : dec-2014



sheet no : L-5
 total sheet no : 5