

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

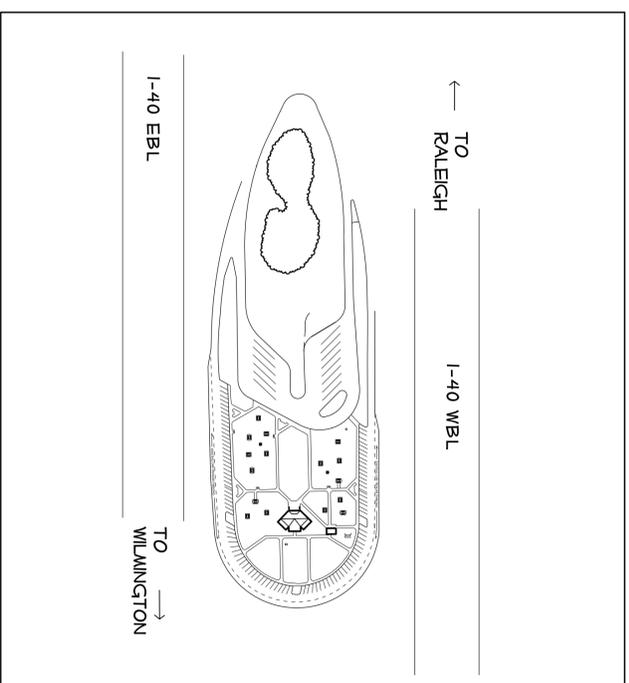
DUPLIN COUNTY

LOCATION: I-40 DUPLIN COUNTY MEDIAN REST AREA

TYPE OF WORK: LANDSCAPE PLANTING, LIGHT GRADING AND DRAINAGE

INDEX OF SHEETS

- L-1 TITLE SHEET
- L-2 SUMMARY OF QUANTITIES
- L-3 PLANTING DETAIL SHEET
- L-4 LANDSCAPE DEMOLITION PLAN
- L-5 DRAINAGE AND GRADING PLAN
- L-6 LANDSCAPE SITE PLAN
- L-7 LANDSCAPE PLAN SHEET
- L-8 LANDSCAPE PLAN SHEET
- L-9 LANDSCAPE PLAN SHEET
- L-10 LANDSCAPE PLAN SHEET



VICINITY MAP

Duplin County / I-40 Rest Area Landscape Renovation

<p>SITE / LANDSCAPE DESIGN</p> <p>LANDSCAPE DESIGN & DEVELOPMENT</p> <p>ROADSIDE ENVIRONMENTAL UNIT 1557 MAIL SERVICE CENTER RALEIGH, NORTH CAROLINA 27699-1557 OFFICE (919) 707-2935 FAX (919) 715-2554</p>	<p>SITE / UTILITY DESIGN</p> <p>REST AREA SECTION</p> <p>ROADSIDE ENVIRONMENTAL UNIT 1557 MAIL SERVICE CENTER RALEIGH, NORTH CAROLINA 27699-1557 OFFICE (919) 733-2920 FAX (919) 715-2554</p>
<p>ARCHITECTURAL / ENGINEERING</p>	

STATE	NC	TIP #		SHEET #	1 of 10
WS #	36059.23	F.A. Project #		Description	
		P.E.		R/W	
		CONST.			

North Carolina Department of Transportation
Division of Highways
1 South Wilmington Street Raleigh, North Carolina



**I-40
DUPLIN COUNTY
REST AREA
LANDSCAPE RENOVATIONS**

Plan :

Plans Drawn By: R. Miller '84

Scale: 1/4" = 1'

Date: 9 / 30 / 12

Letting Date:

2006 Standard Specifications	Sheet #
Sheet Description	L-1 - 10
TITLE SHEET	

SUMMARY OF QUANTITIES

Des	Sec	Qty.	Unit	Key	Botanical Name	Common Name	Size	Caliper	Furnish	A.S.N.S.	Remarks
L	1670	2	EA	AR	<i>Acer palmatum dissectum 'Crimson Queen'</i>	Crimson Queen Japanese Maple	3-4'		# 10 cont.	1.2.4	As Shown
L	1670	11	EA	HA	<i>Hosta 'Montana Auermarginata'</i>	Montana Hosta	3 eye		# 1 cont.	12.2.4	As Shown
L	1670	11	EA	HB	<i>Hydrangea macrophylla 'Bottstein'</i>	Bottstein Hydrangea	15-18"		# 3 cont.	2.2.3	As Shown
L	1670	13	EA	HBM	<i>Hosta 'Blue Mammoth'</i>	Blue Mammoth Hosta	3 eye		# 1 cont.	12.2.4	As Shown
L	1670	1827	EA	HH	<i>Hemerocallis 'Happy Returns'</i>	Happy Returns Daylily			# 1 cont.	12.2.3	As Shown
L	1670	14	EA	I VH	<i>Itea virginica 'Henry's Garnet'</i>	Henry's Garnet Sweetspire	18-24"		# 3 cont.	2.2.2	4 canes
L	1670	20	EA	I VL	<i>Itea virginica 'Sprich'</i>	Little Henry's Dwarf Sweetspire	18-24"		# 3 cont.	2.2.2	4 canes
L	1670	10	EA	LC	<i>Loropetalum chinense 'Purple Pixie'</i>	Purple Pixie Fringe Flower	18-24"		# 3 cont.	4.2.3	As Shown
L	1670	124	EA	LV	<i>Liriope muscari 'Variegata'</i>	Variegated Liriope			# 1 cont.	12.5	As Shown
L	1670	98	EA	PA	<i>Pennisetum alopecuroides 'Hameln'</i>	Dwarf Fountain Grass			# 1 cont.	12.4	As Shown
L	1670	326	EA	PL	<i>Pennisetum alopecuroides 'Little Bunny'</i>	Little Bunny Dwarf Fountain Grass			# 1 cont.	12.4	As Shown
L	1670	7	EA	RE	<i>Raphiolepis umbellata 'Eleanor Tabor'</i>	Eleanor Tabor Hawthorn	18-24"		# 3 cont.	4.2.2	As Shown
L	1670	82	EA	RK	<i>Rosa x Knock - Out 'Radrazz'</i>	Red Knock Out Rose	18-24"		# 3 cont.	5.2	3 canes
L	1670	85	EA	SA	<i>Sedum x 'Autumn Joy'</i>	Autumn Joy Stonecrop			# 1 cont.	6.4.1	As Shown
L	1670	6	EA	TO	<i>Thuja occidentalis 'Rheingold'</i>	Rheingold Arborvitae	15"		# 10 cont.	3.2.3	As Shown
L	1670	5	EA	WW	<i>Weigela florida 'Wine and Roses'</i>	Wine and Roses Weigela	15-18"		# 5 cont.	2.2.3	As Shown
L	1670	168	CY		Mulch for Planting						
L	1670	50	M/G		Water for Planting						
L	1670	1216	SY		Existing Plant Bed Clean-up						
L	1670	21	SY		4" Concrete (Sidewalk)						
L	1670	1494	LF		Commercial Grade Steel Landscape Metal Edging						
L	1670	74	CY		4" wide, 12 ga. Brown powder coat finish						
L	1670	4	CY		Topsoil - 2.5' depth						
L	1670	2	CY		Washed River Rock (2-3" dia) - 3" depth						
L	1670	2	CY		White Pebbles (1-2" dia.) - 3" depth						
33	1670	35	SY		Geotextile Fabric						



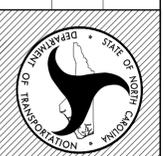
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557
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**I-40 DUPLIN COUNTY
 REST AREA RENOVATION**
 PROJECT #: **36059.23**

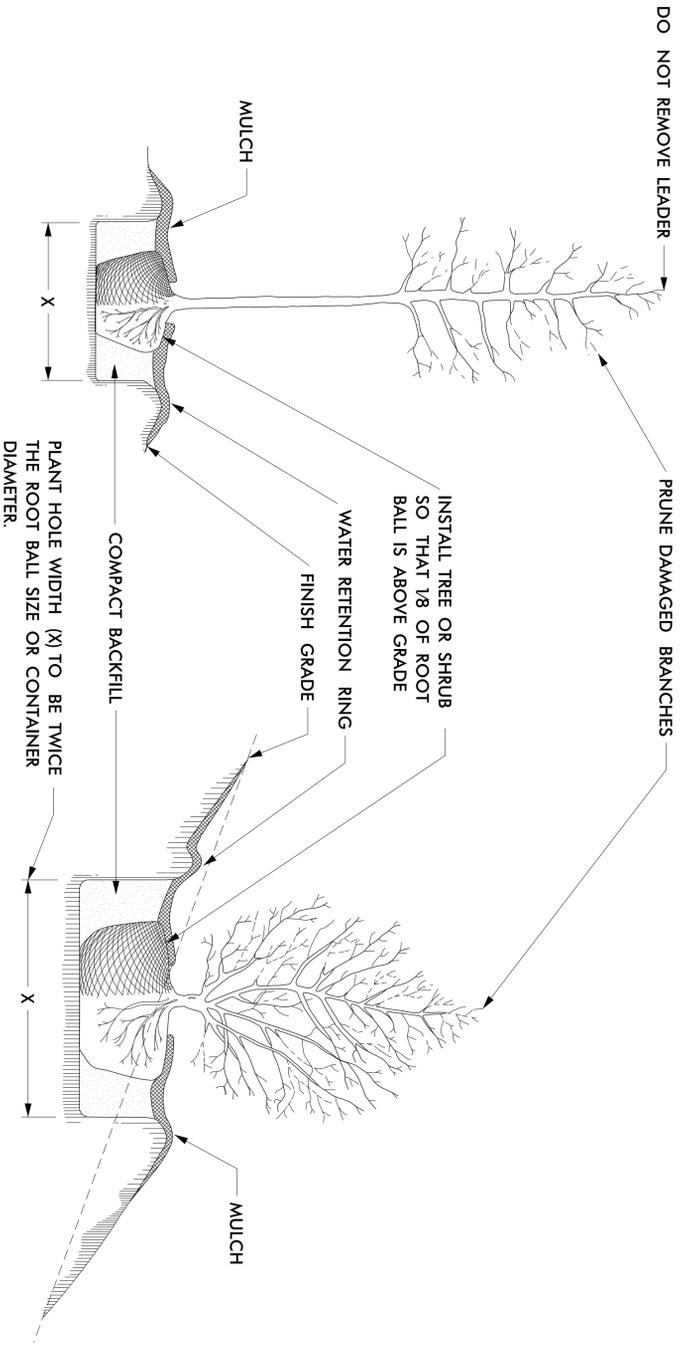


SHEET DESCRIPTION:
**LANDSCAPE DEMOLITION
 PLAN**
REST AREA RENOVATION

PREL DESIGN DATE:
AUG / 2012
 CHECKED BY & DATE:
N. RING
 FINAL DESIGN DATE:
SEPT 2012

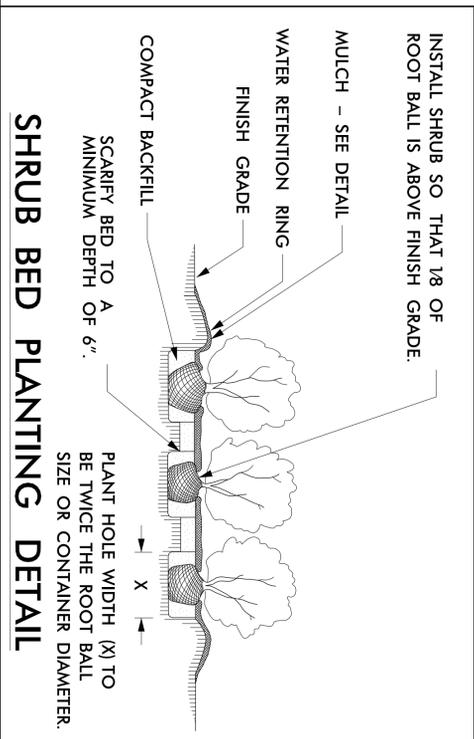
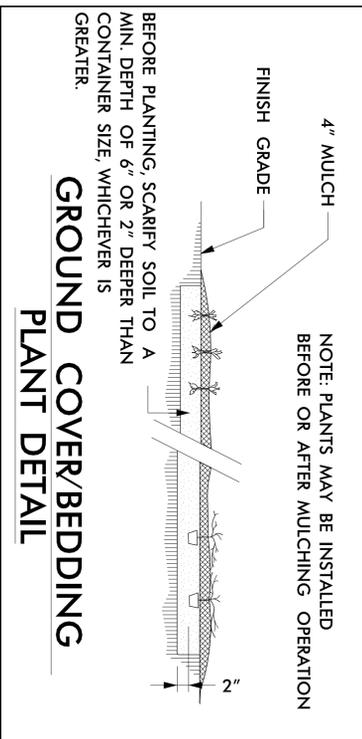


SHEET NO.:
L-2
 TOTAL SHEET NO.:
10



TREE OR SHRUB PLANTING DETAIL (LEVEL GROUND)

TREE OR SHRUB PLANTING DETAIL (SLOPING GROUND)



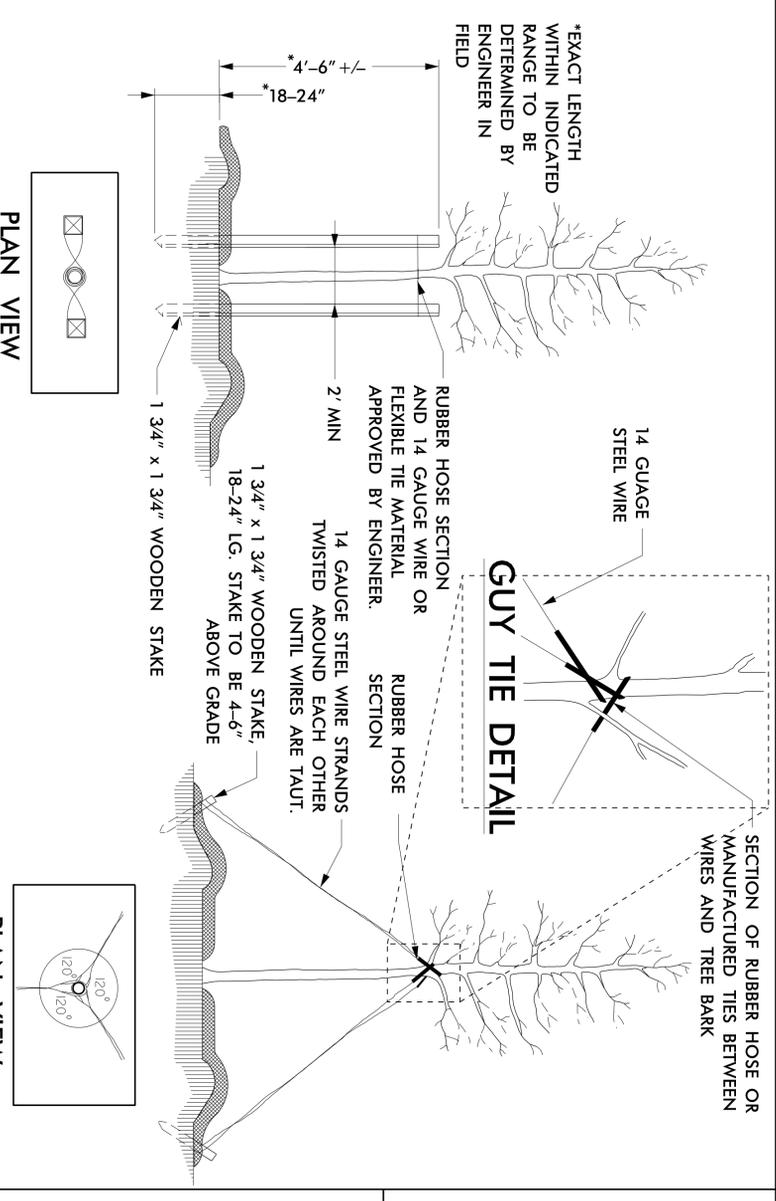
MULCH DETAIL

Labels: 2", 4"

Text: DO NOT PLACE MULCH WITHIN 2" OF TRUNK OR STEM.

NOTES:

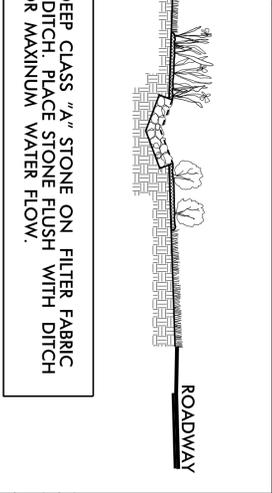
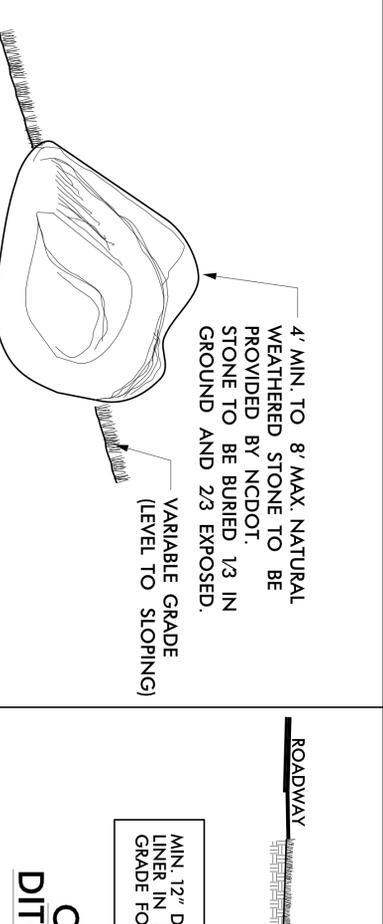
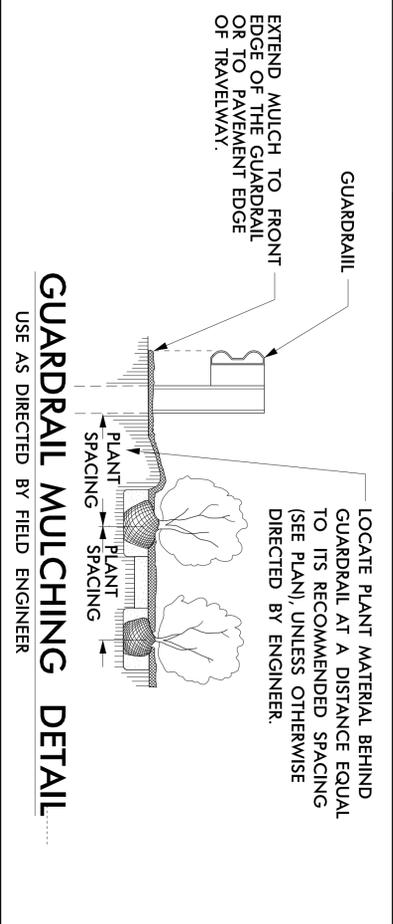
- SCHEDULE FOR PLANT HOLE SIZE: PLANT HOLE WIDTH (X) TO BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.
- SEE STANDARD SPECIFICATIONS FOR PLANT BED FUMIGATION AND HERBICIDAL TREATMENT.
- APPLY FERTILIZER AT PLANTING TIME IN THE FORM OF A SLOW RELEASE PELLETT OR TABLET. APPLY AT RATE RECOMMENDED BY MANUFACTURER. BOTH RATE AND FORMULATION MUST BE APPROVED BY FIELD ENGINEER PRIOR TO APPLICATION.
- REMOVE WIRE BASKET AND FOLD BURGLAP 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.



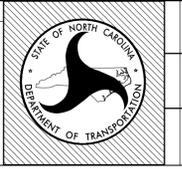
STAKING DETAIL (TREES 6'-10')

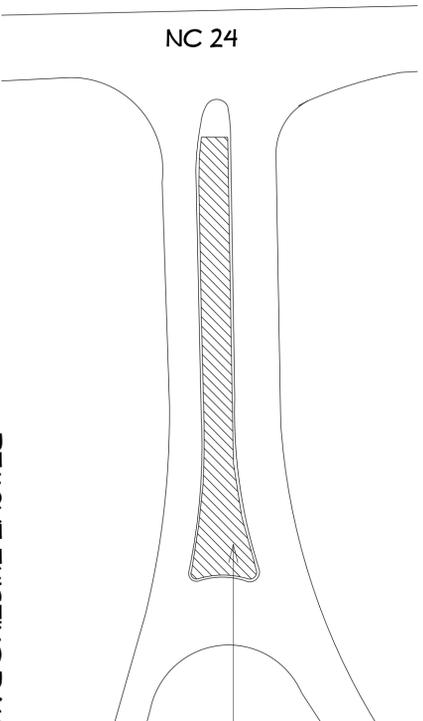
GUYING DETAIL (TREES 10' OR LARGER)

USE AS DIRECTED BY FIELD ENGINEER

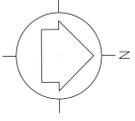


Planting Details

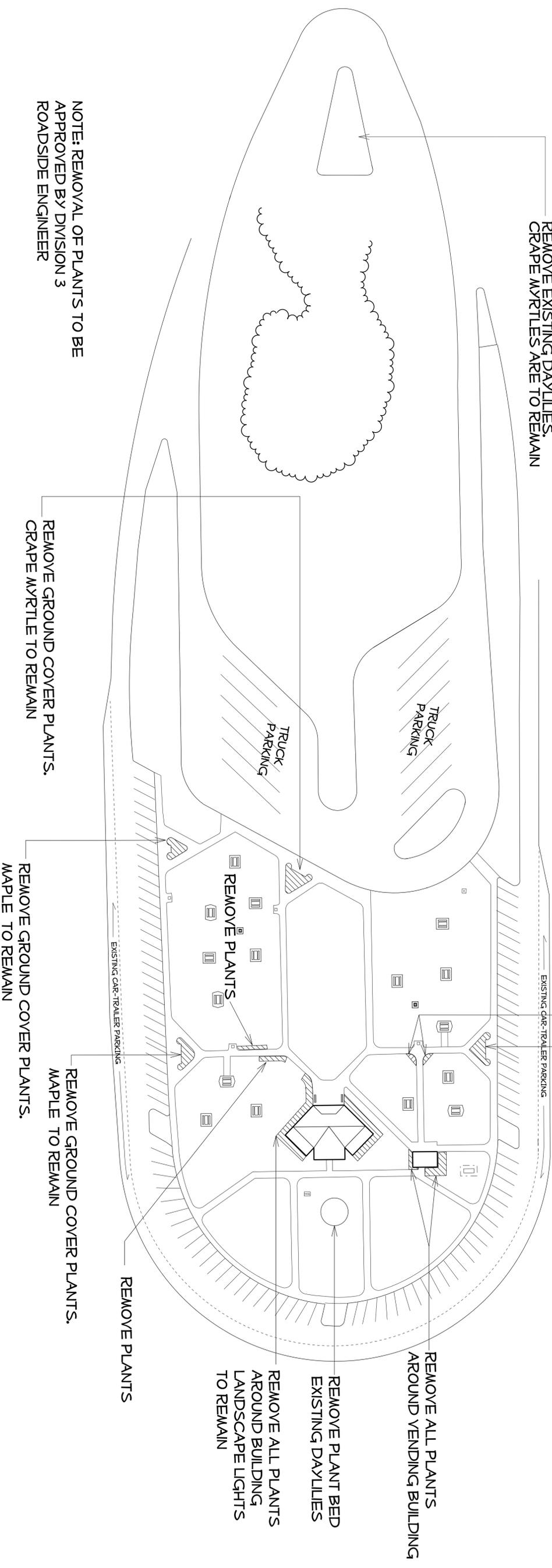




REMOVE EXISTING DAYLILIES



REMOVE EXISTING DAYLILIES,
GRAPE MYRTLES ARE TO REMAIN



NOTE: REMOVAL OF PLANTS TO BE
APPROVED BY DIVISION 3
ROADSIDE ENGINEER



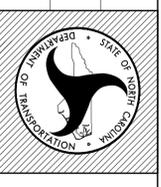
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LANDSCAPE DESIGN & DEVELOPMENT
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I-40 DUPLIN COUNTY
REST AREA RENOVATION
PROJECT #: 36059.23



SHEET DESCRIPTION:

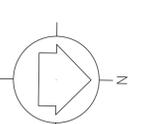
LANDSCAPE DEMOLITION PLAN	PREL DESIGN DATE: AUG / 2012
REST AREA RENOVATION	CHECKED BY & DATE: N. RING
	FINAL DESIGN DATE: SEPT 2012



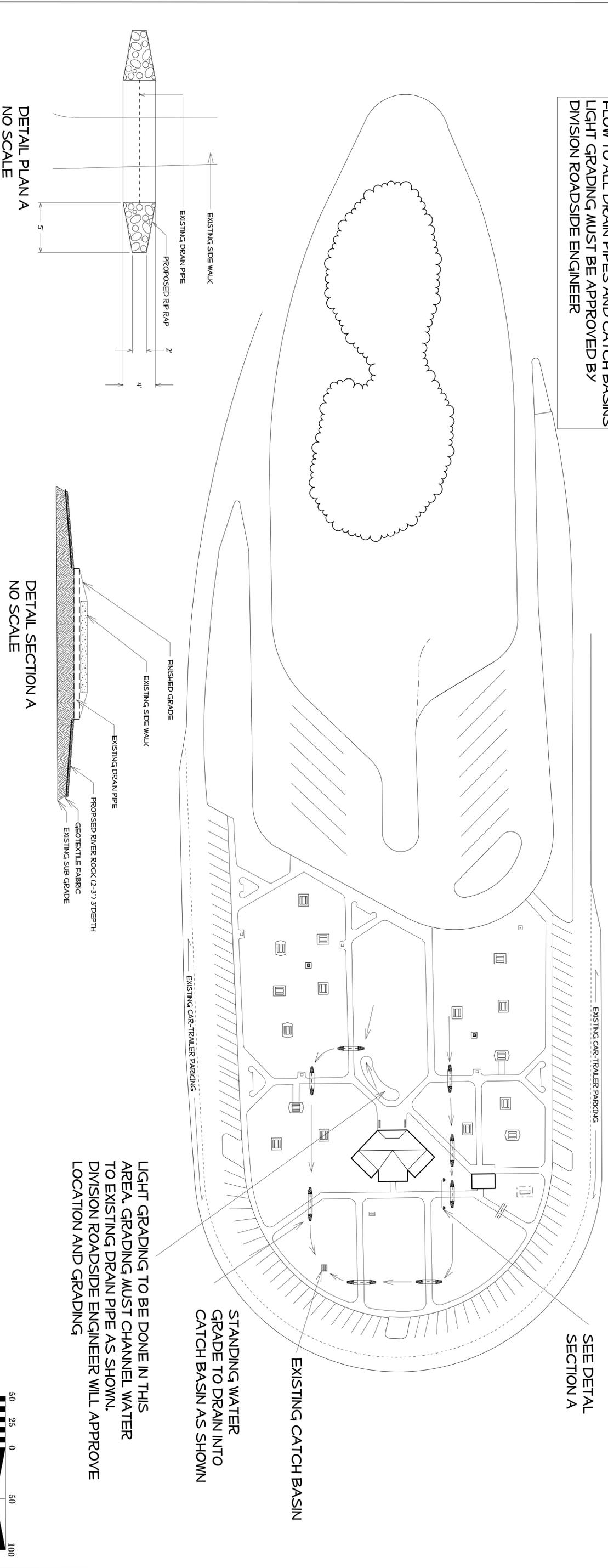
SHEET NO.:
L-4
TOTAL SHEET NO.:
10



- KEY**
-  EXISTING DRAIN PIPES
 -  EXISTING CATCH BASIN



NOTE: CLEAN OUT ALL EXISTING DRAIN PIPES CONTRACTOR IS TO PERFORM LIGHT GRADING AT DRAIN INLETS TO ENSURE PROPER WATER FLOW TO ALL DRAIN PIPES AND CATCH BASINS LIGHT GRADING MUST BE APPROVED BY DIVISION ROADSIDE ENGINEER

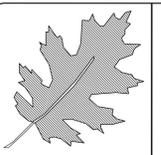


**DETAIL PLAN A
NO SCALE**

**DETAIL SECTION A
NO SCALE**

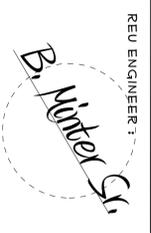


LIGHT GRADING TO BE DONE IN THIS AREA. GRADING MUST CHANNEL WATER TO EXISTING DRAIN PIPE AS SHOWN. DIVISION ROADSIDE ENGINEER WILL APPROVE LOCATION AND GRADING



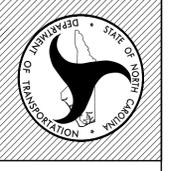
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**I-40 DUPLIN COUNTY
 REST AREA RENOVATION**
 PROJECT #: **36059.23**



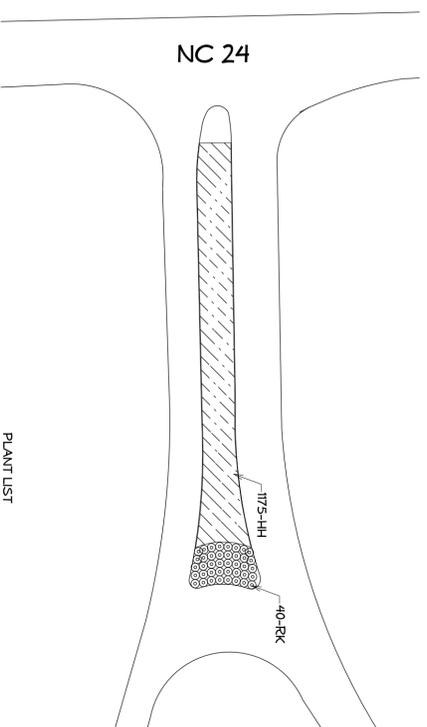
SHEET DESCRIPTION:	
DRAINAGE & GRADING PLAN	REST AREA RENOVATION

PREL DESIGN DATE: AUG / 2012	CHECKED BY & DATE: N. RING
FINAL DESIGN DATE: SEPT 2012	



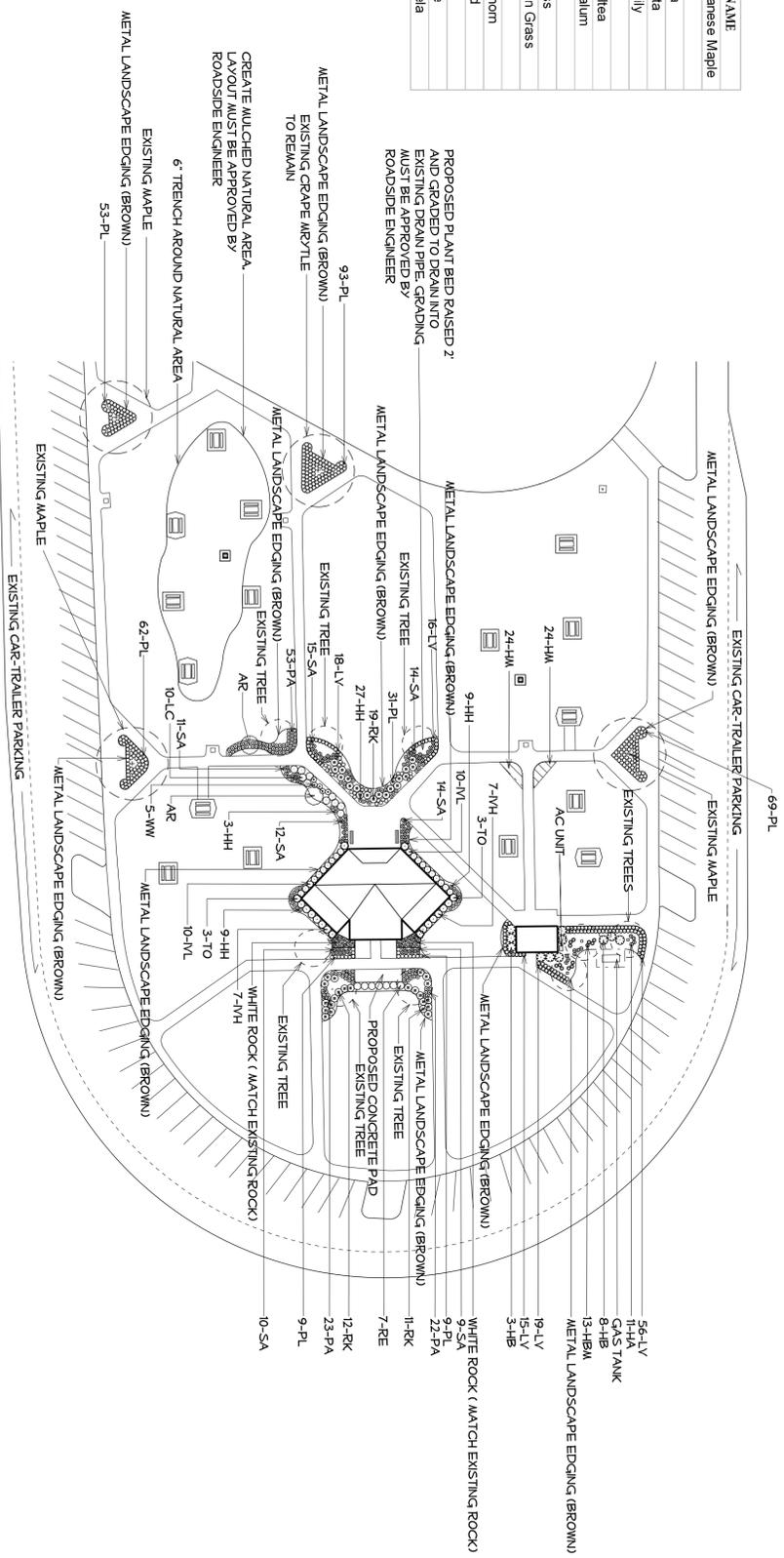
SHEET NO.:
L-5

TOTAL SHEET NO.:
10

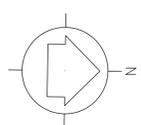


PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME
AR	Acer palmatum 'Crimson Queen'	Crimson Queen Japanese Maple
HA	Hosta 'Montana Aureomarginata'	Montana Hosta
HB	Hydrangea macrophylla 'Botsstein'	Botsstein Hydrangea
HBM	Hosta 'Blue Mammoth'	Blue Mammoth Hosta
HH	Hemimacalis 'Happy Returns'	Happy Returns Daylily
IHH	Itea virginica 'Henry's Garnet'	Henry's Garnet Itea
IHL	Itea virginica 'Little Henry's Dwarf'	Little Henry's Dwarf Itea
LC	Loropetalum chinensis 'Purple Pixie'	Purple Pixie Loropetalum
LV	Liriope muscari 'Variegata'	Variegated Liriope
PA	Pennisetum alopecuroides 'Hameln'	Dwarf Fountain Grass
PL	Pennisetum alopecuroides 'Little Bunny'	Little Bunny Fountain Grass
PT	Pittosporum tobira 'Wheeler's Dwarf'	Dwarf Pittosporum
RE	Raphiolepis umbellata 'Eleanor Taber'	Eleanor Taber Hawthorn
RK	Rosa x 'Knock Out Radrazz'	Knock out Rose Red
SA	Sedum x 'Autumn Joy'	Autumn Joy Sedum
TO	Thuja occidentalis 'Rheingold'	Rheingold Arborvitae
WW	Weigelia florida 'Wine & Rose'	Wine & Rose Weigelia



NOTE: SEE SHEETS L-7 THROUGH L-10 FOR LARGER SCALE LAYOUT



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I-40 DUPLIN COUNTY
 REST AREA RENOVATION
 PROJECT #: 36059.23



SHEET DESCRIPTION:
 LANDSCAPE SITE PLAN
 REST AREA RENOVATION

PREL. DESIGN DATE:
 AUG / 2012
 CHECKED BY & DATE:
 N. RING
 FINAL DESIGN DATE:
 SEPT 2012

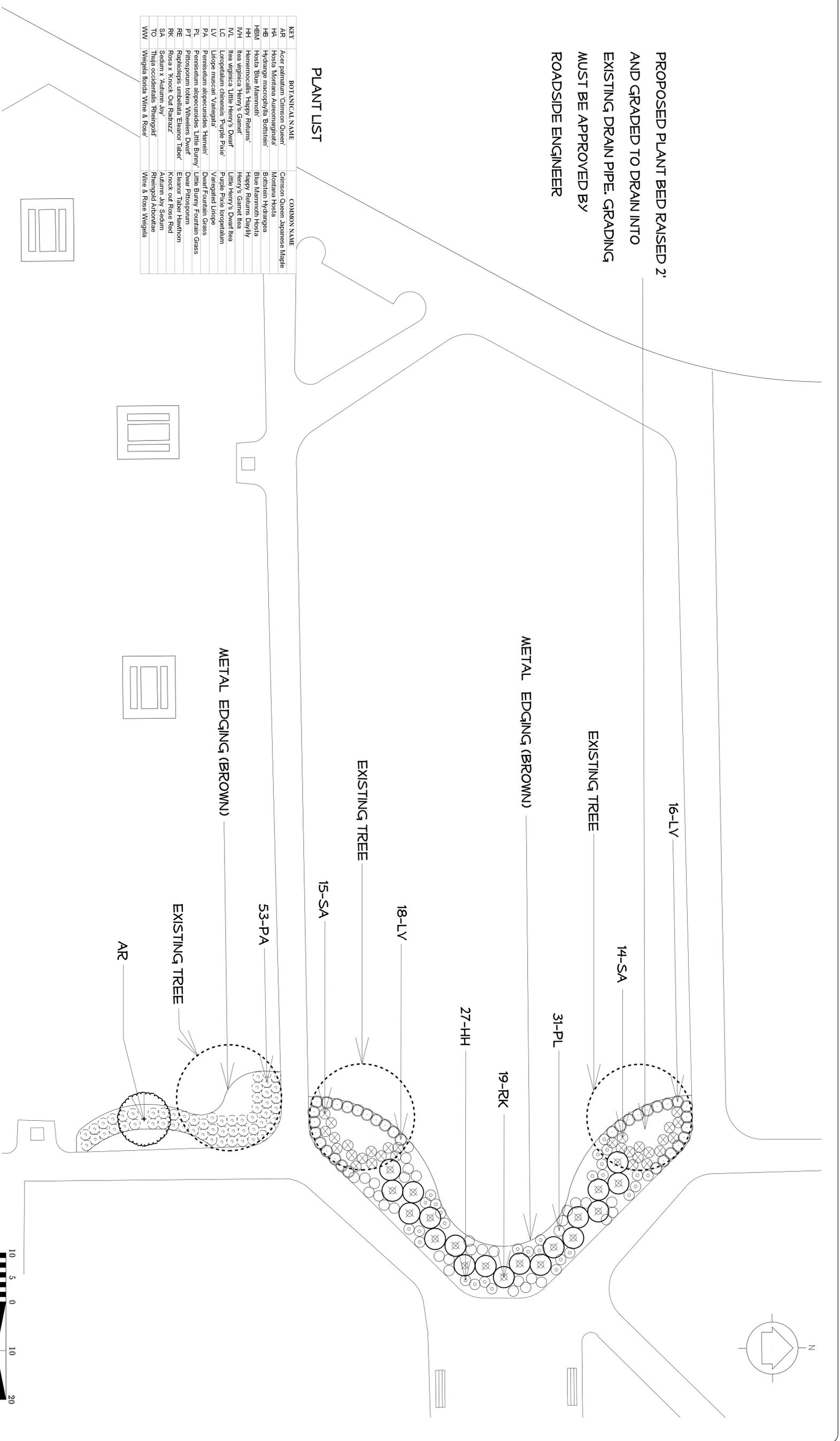


SHEET NO.:
L-6
 TOTAL SHEET NO.:
 10

PROPOSED PLANT BED RAISED 2'
AND GRADED TO DRAIN INTO
EXISTING DRAIN PIPE. GRADING
MUST BE APPROVED BY
ROADSIDE ENGINEER

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME
AR	Acer palmatum Ginnon Queen'	Ginnon Queen Japanese Maple
HA	Hosta Montana Autumngladiol	Montana Hosta
HB	Hydrangea macrophylla Botstein	Botstein Hydrangea
HEB	Hosta Blue Mammoth	Blue Mammoth Hosta
HT	Hamamelis 'Happy Returns'	Happy Returns Dogwood
IV	Ilex virginica Henry's Garnet'	Henry's Garnet Ilex
IVL	Ilex virginica Little Henry's Dwarf'	Little Henry's Dwarf Ilex
LC	Lonicera chinensis Purple Flame'	Purple Flame Lonicera
LV	Liriodendron variegata	Variegated Liriodendron
PA	Persea nana 'Variegata'	Dwarf Fountain Grass
PL	Persea nana 'Little Bunny'	Little Bunny Fountain Grass
PL	Pittosporum tobira Winebars Dwarf'	Winebars Dwarf Pittosporum
RE	Raphanostrepis umbellata Eleanor Taber'	Eleanor Taber Hawthorn
RK	Rosa x Knock Out Radrazz'	Knock Out Rose Red
SA	Stedum x Autumn Joy'	Autumn Joy Sedum
TO	Tinnea occidentalis Rlangenfeld'	Rlangenfeld Autumnkiss
WW	Wiegelia nonda Wine & Rose'	Wine & Rose Wiegelia



\$\$\$\$\$SYSTIME\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$



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LANDSCAPE DESIGN & DEVELOPMENT
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I-40 DUPLIN COUNTY
REST AREA RENOVATION
CONTRACT #: 36059.23



SHEET DESCRIPTION:

PREL DESIGN DATE:	AUG / 2012	I-40 RENOVATION
CHECKED BY & DATE:	N. RING	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE:	SEPT 2012	



TIP #
WBS # 36059.23
FED ID. #
SHEET NO.: L-8
TOTAL SHEET NO.: 10

