

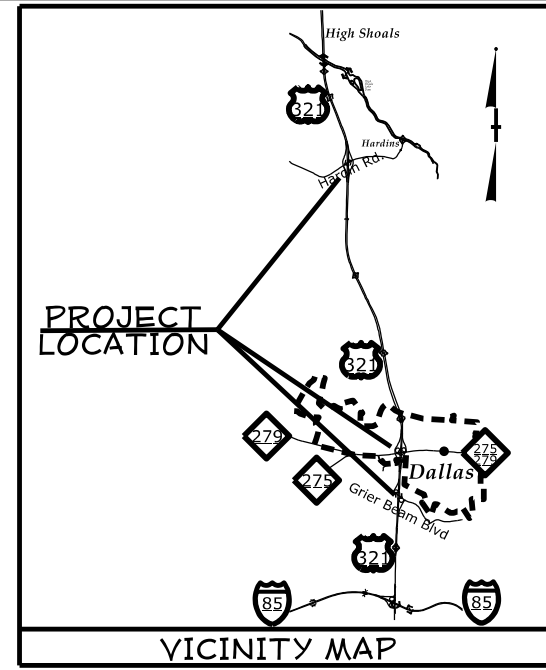
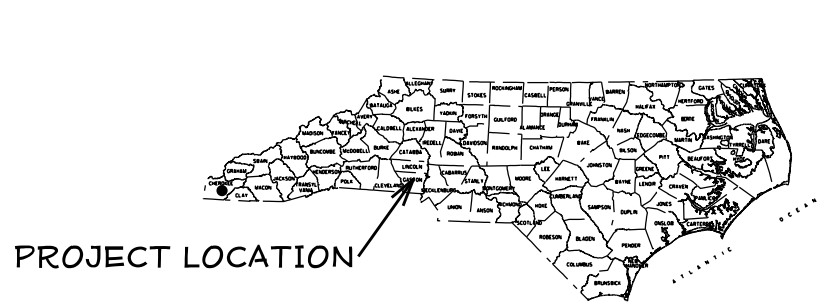
PROJECT: LANDSCAPE PLANTING US 321 GASTON COUNTY



PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
	3712.3.10	L1	11
FED. PROJ. #	DESCRIPTION		DIVISION
-	Planting		12



CONVENTIONAL SYMBOLS

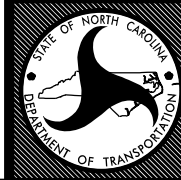
County Line	-----
City or Town Line	-----
Exist. Right of Way Line Marker	-----▲-----
Prop. Right of Way Line Marker (By Others)	-----▲-----
Prop Right of Way Line Marker (By Contract)	-----▲-----
Exist. Control of Access Line	-----⊕-----
Prop. Control of Access Line	-----⊕-----
Property Line	-----
Easement 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	-----

SUMMARY OF QUANTITIES											
Item	Sec	Qty.	Unit	KEY	Botanical Name	Common Name	Size	Caliper	Furnish	A.S.N.S.	Remarks
0008000000	SP	Lump Sum	L.S.			Existing Vegetation Removal & Preparation of New Bed Areas - Clearing, Grubbing and Repair					
	SP	Lump Sum	L.S.			Plant Bed Establishment (12 Months) - Paid Quarterly					
6640000000	1670	316	ea	AG	<i>Abelia grandiflora</i> x ' <i>Little Richard</i> '	Little Richard Dwarf Abelia	15-18"		#3 cont. min.	4.0	5' o.c. nom.
6640000000	1670	61	ea	CP	<i>Chamaecyparis pisifera</i> ' <i>Filifera</i> '	Green Thread Cypress	15-18"		#3 cont. min.	3.2.4	5' o.c. nom.
6640000000	1670	4055	ea	HB	<i>Hemerocallis</i> ' <i>Buttered Popcorn</i> '	Buttered Popcorn Daylily			2-3 fan BR	12.3	30" o.c. nom.
6640000000	1670	6	ea	IA	<i>Ilex attenuata</i> x ' <i>Nellie R. Stevens</i> '	Nellie R. Stevens Holly	6-7'		B&B	4.2.5	as shown
6640000000	1670	228	ea	IG	<i>Ilex glabra</i> ' <i>Shamrock</i> '	Shamrock Inkberry Holly	18-24"		#3 cont. min.	4.2.3	5' o.c. nom.
6640000000	1670	365	ea	IS	<i>Iris sibirica</i> ' <i>Caesar's Brother</i> '	Caesar's Brother Siberian Iris			2-3 fan BR	12.2.5	24" o.c. nom.
6640000000	1670	50	ea	IVR	<i>Ilex verticillata</i> ' <i>Red Sprite</i> '	Red Sprite Deciduous Holly	15-18"		#3 cont. min.	2.2.3	5' o.c. nom.
6640000000	1670	8	ea	IVJ	<i>Ilex verticillata</i> ' <i>Jim Dandy</i> '	Jim Dandy Deciduous Holly	18-24"		#3 cont. min.	2.2.3	5' o.c. nom.
6640000000	1670	18	ea	JC	<i>Juniperus chinensis</i> ' <i>Torulosa</i> '	Hollywood Juniper	3-4'		#5 cont. min.	3.2.5	as shown
6640000000	1670	6	ea	LD	<i>Lagerstroemia</i> x ' <i>Dynamite</i> '	Dynamite Crape Myrtle	8-10'		B&B	1.3.2.1	as shown
6640000000	1670	1254	ea	MC	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass			#2 cont. No. 1 Grade	5.6	5' o.c. nom.
6640000000	1670	194	ea	RM	<i>Rosa</i> ' <i>Mejioca</i> '	Pink Drift Rose	15-18"		#2 cont. No. 1 Grade	5.6	5' o.c. nom.
6640000000	1670	279	ea	RR	<i>Rosa</i> ' <i>Radtko</i> '	Red Knockout Rose	15-18"		SP#4 cont. min.	12.4	5' o.c. nom.
6650000000	1670	1198	CY			Mulch for Initial Planting					
6655000000	1670	38	M/G			Water for Initial Planting					

INDEX OF L SHEETS:
 L 1 ... TITLE, DESCRIPTION, LOCATION
 L 2 ... PLANTING DETAILS
 L 3-11 ... LANDSCAPE PLANS

PREPARED BY: DW DATE: 3/28/2013

REVISIONS	
DATE	DESCRIPTION

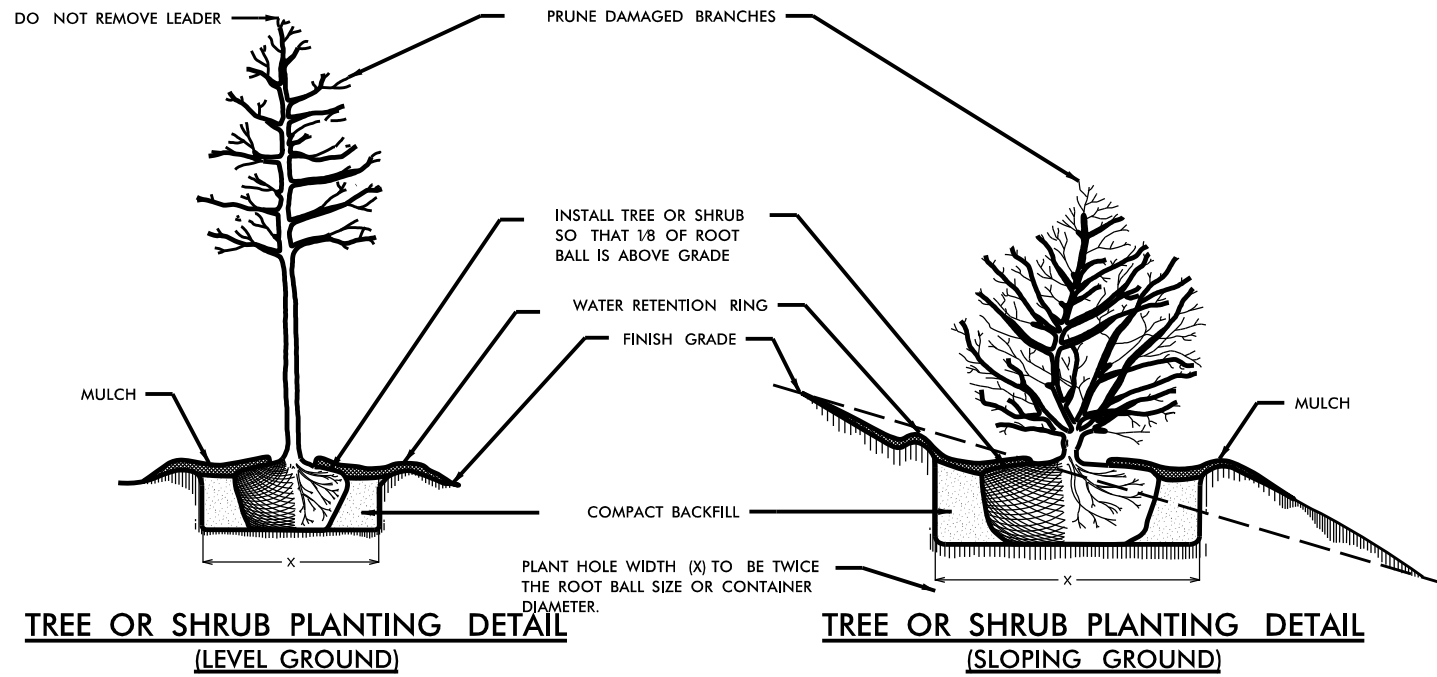


STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION

LOCATION: US 321 Interchanges near Dallas
 TYPE of WORK: Landscape Planting
 COUNTY: Gaston County

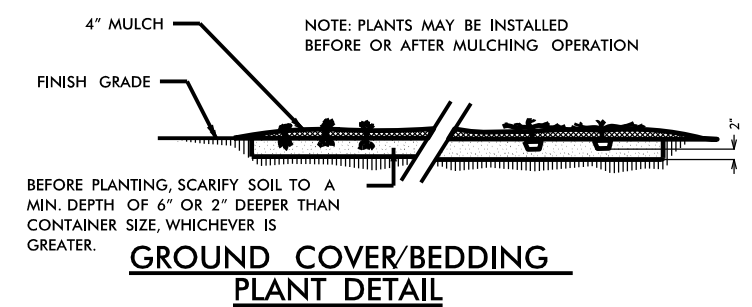
D Wilson

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

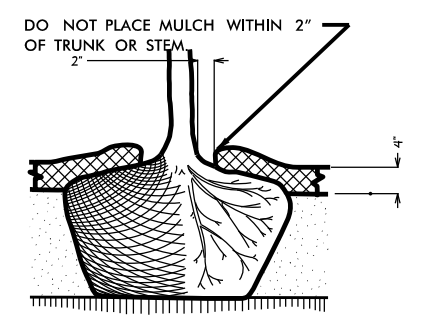


TREE OR SHRUB PLANTING DETAIL
(LEVEL GROUND)

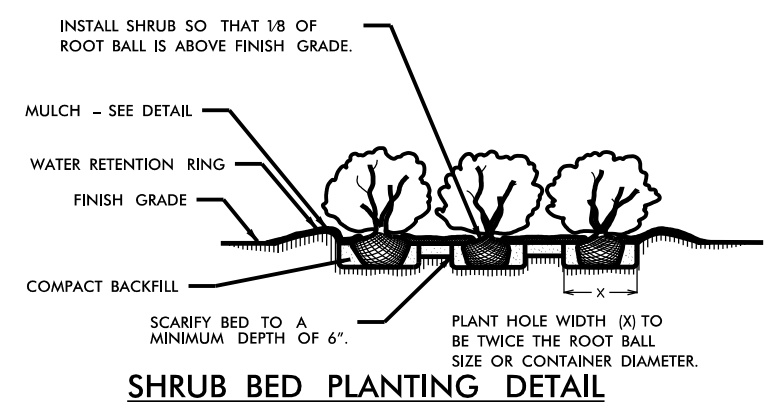
TREE OR SHRUB PLANTING DETAIL
(SLOPING GROUND)



GROUND COVER/BEDDING PLANT DETAIL

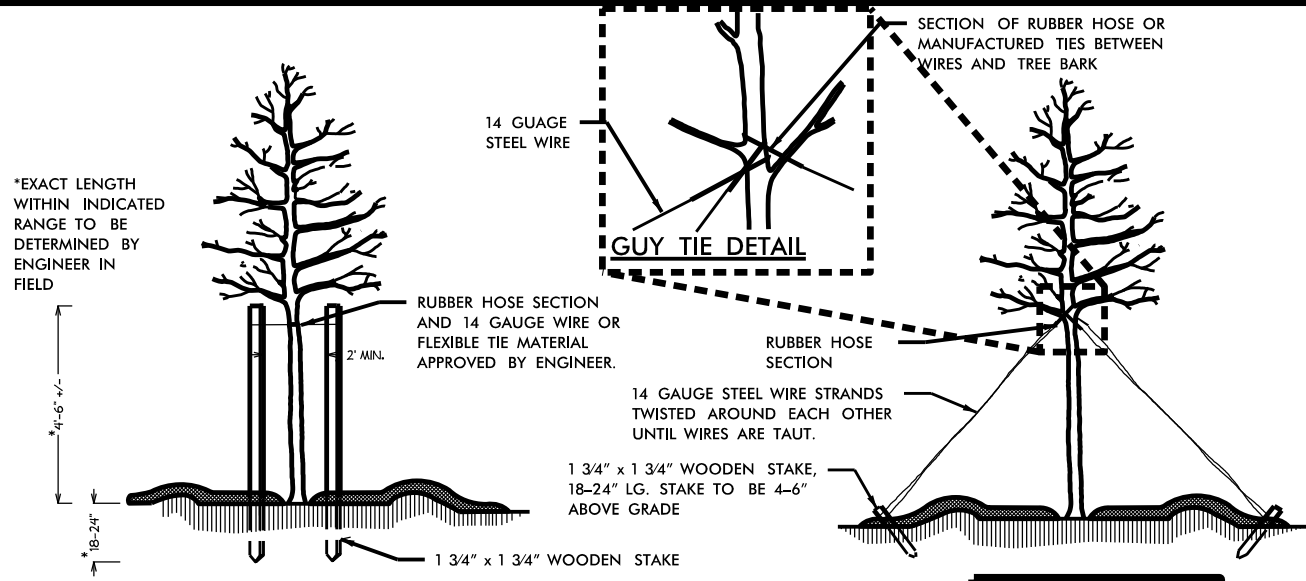


MULCH DETAIL



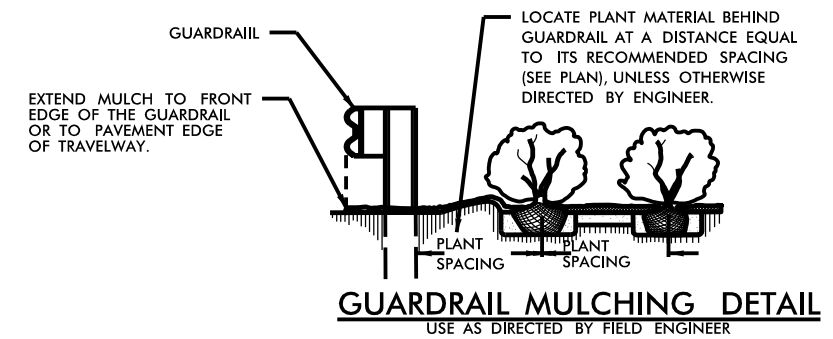
SHRUB BED PLANTING DETAIL

- 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.

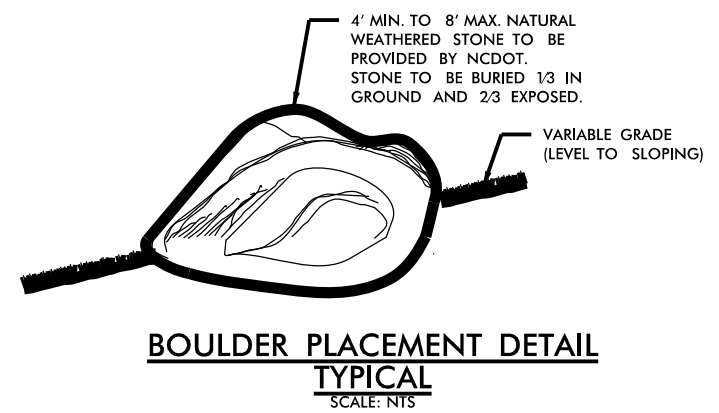


PLAN VIEW
STAKING DETAIL
(TREES 6'-10')
USE AS DIRECTED BY FIELD ENGINEER

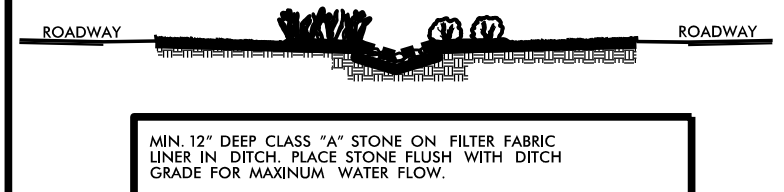
PLAN VIEW
GUYING DETAIL
(TREES 10' OR LARGER)
USE AS DIRECTED BY FIELD ENGINEER



GUARDRAIL MULCHING DETAIL
USE AS DIRECTED BY FIELD ENGINEER



BOULDER PLACEMENT DETAIL
TYPICAL
SCALE: NTS



CLASS "A" STONE DITCH LINING DETAIL



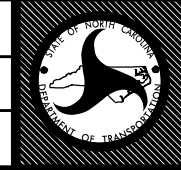
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LANDSCAPE DESIGN & DEVELOPMENT
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US 321 Interchanges
Gaston County
PROJECT #: 3712.3.10

REV DESIGNER:
D Wilson

SHEET DESCRIPTION:	PLANTING DETAILS
	USE AS APPLICABLE




PREL DESIGN DATE:	OCT. 26, 2012
CHECKED BY & DATE:	
FINAL DESIGN DATE:	MAR. 28, 2013

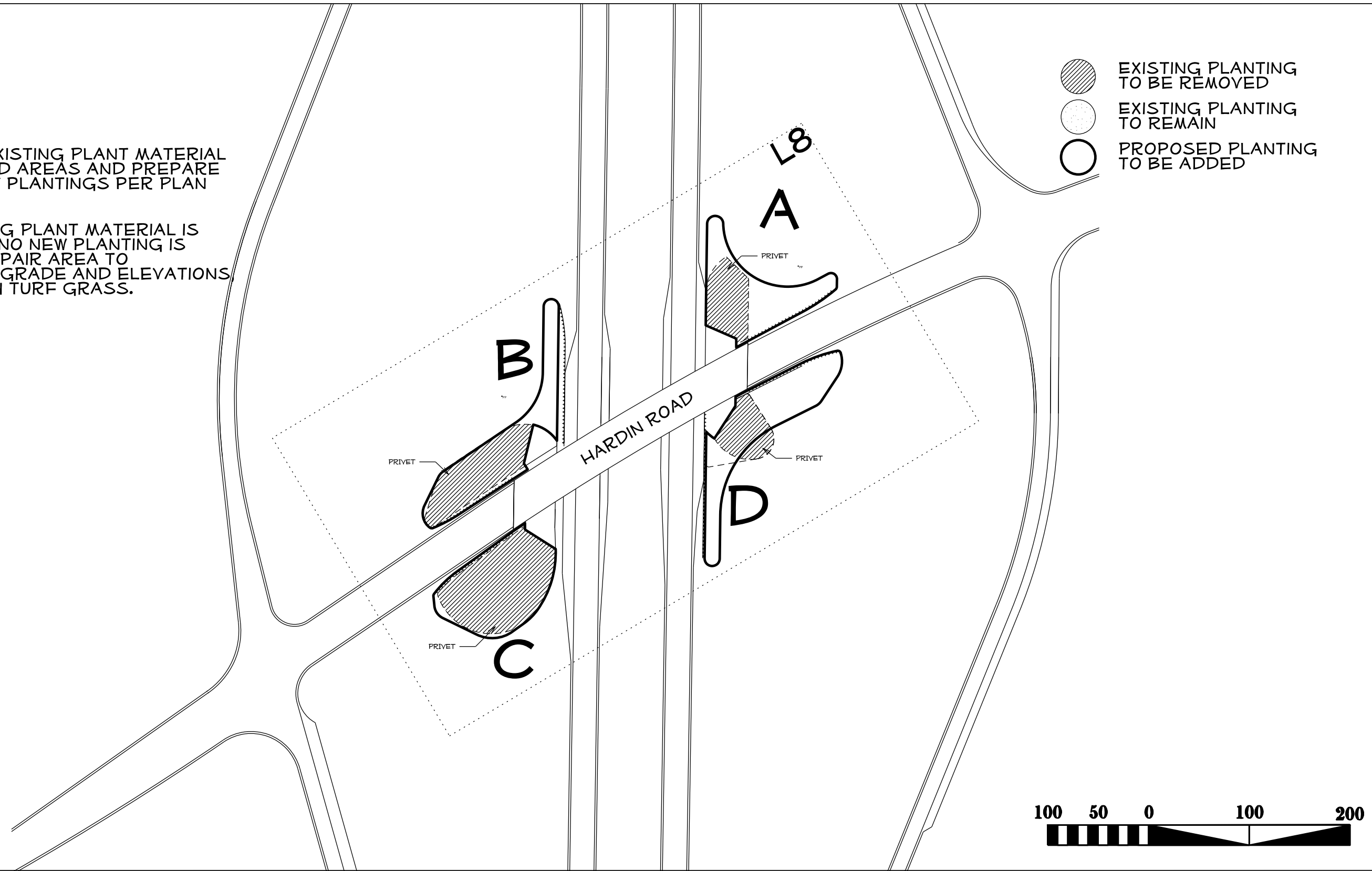


SHEET NO:
L 2
TOTAL SHEET NO:
11

REMOVE ALL EXISTING PLANT MATERIAL WITHIN HATCHED AREAS AND PREPARE BEDS FOR NEW PLANTINGS PER PLAN SHEET L8.

WHERE EXISTING PLANT MATERIAL IS REMOVED BUT NO NEW PLANTING IS PROPOSED, REPAIR AREA TO SURROUNDING GRADE AND ELEVATIONS AND SEED WITH TURF GRASS.

-  EXISTING PLANTING TO BE REMOVED
-  EXISTING PLANTING TO REMAIN
-  PROPOSED PLANTING TO BE ADDED



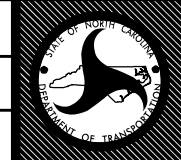
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US 321 Interchanges
 Gaston County
 PROJECT #: 3712.3.10

REV DESIGNER:


SHEET DESCRIPTION:	LANDSCAPE IMPROVEMENTS
	US 321 @ HARDIN ROAD
	REMOVALS







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CHECKED BY & DATE:	
FINAL DESIGN DATE:	MAR. 28, 2013

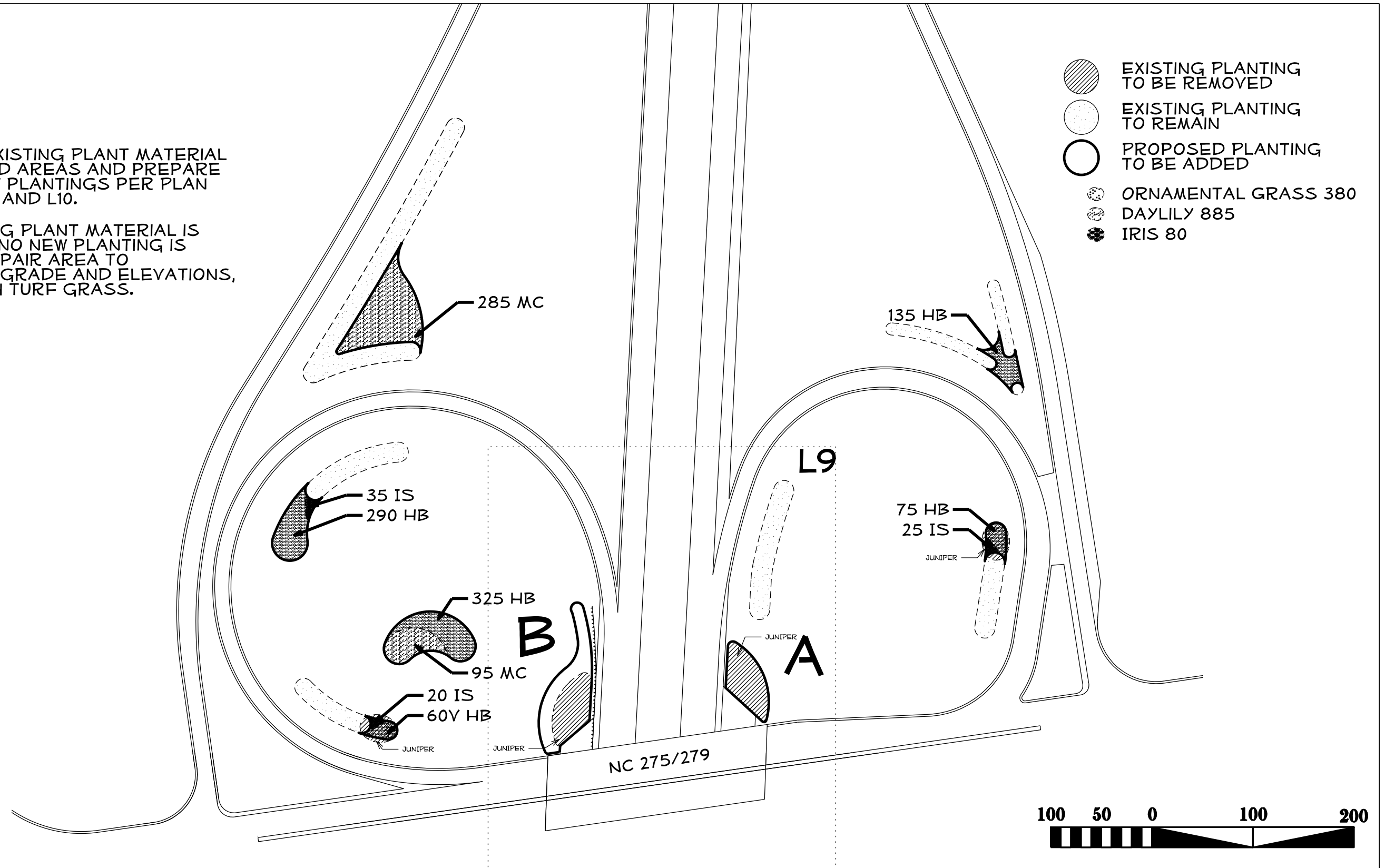


SHEET NO: **L-3**
 TOTAL SHEET NO: **11**

REMOVE ALL EXISTING PLANT MATERIAL WITHIN HATCHED AREAS AND PREPARE BEDS FOR NEW PLANTINGS PER PLAN SHEETS L4, L9, AND L10.

WHERE EXISTING PLANT MATERIAL IS REMOVED BUT NO NEW PLANTING IS PROPOSED, REPAIR AREA TO SURROUNDING GRADE AND ELEVATIONS, AND SEED WITH TURF GRASS.

-  EXISTING PLANTING TO BE REMOVED
-  EXISTING PLANTING TO REMAIN
-  PROPOSED PLANTING TO BE ADDED
-  ORNAMENTAL GRASS 380
-  DAYLILY 885
-  IRIS 80



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US 321 Interchanges
 Gaston County
 PROJECT #: 3712.3.10

REV DESIGNER:


SHEET DESCRIPTION:	LANDSCAPE IMPROVEMENTS
	US 321 @ NC 279
	REMOVALS

PREL DESIGN DATE:	OCT. 26, 2012
CHECKED BY & DATE:	
FINAL DESIGN DATE:	MAR. 28, 2013

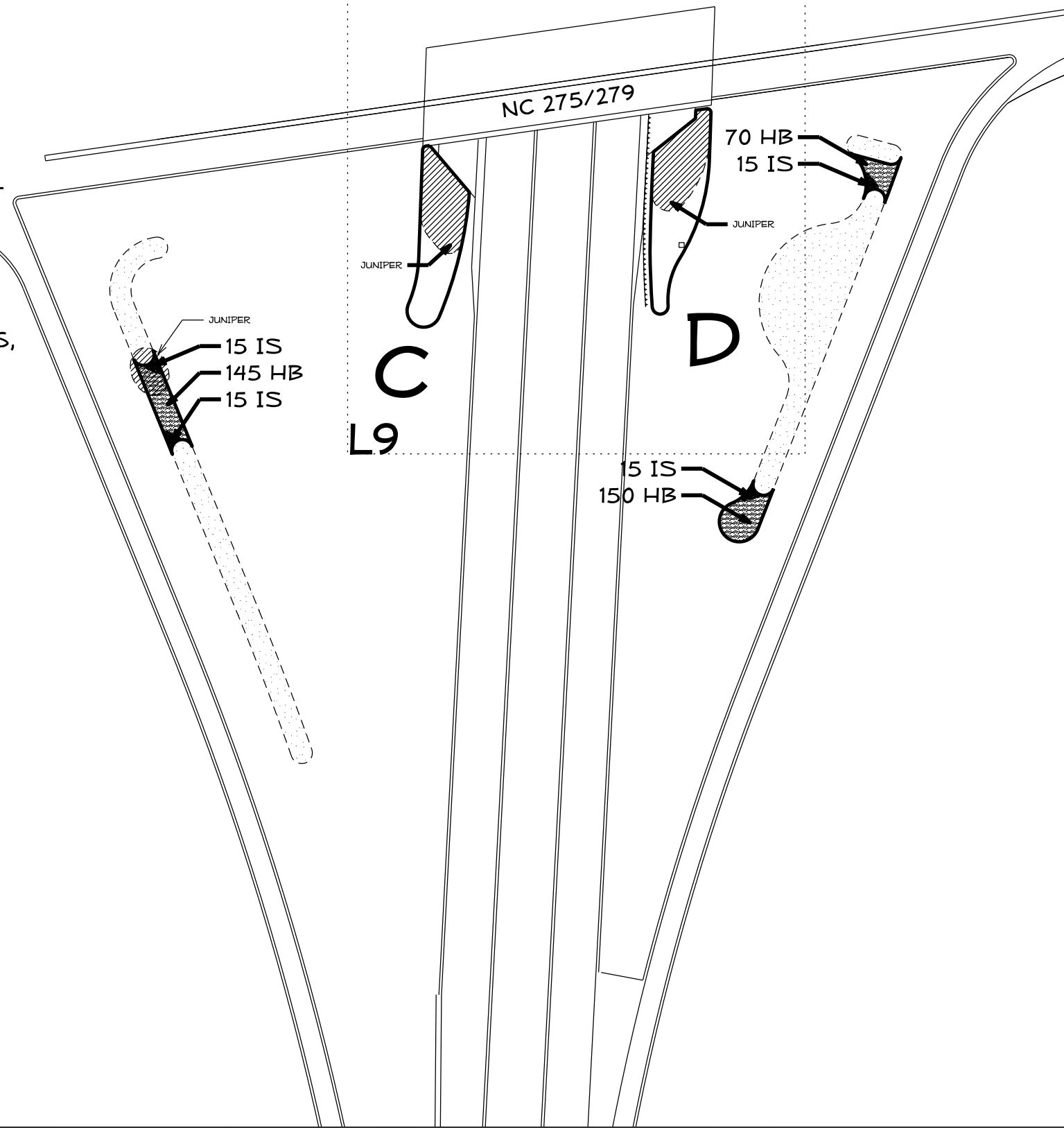








SHEET NO.:
L-4
 TOTAL SHEET NO.:
 II



REMOVE ALL EXISTING PLANT MATERIAL WITHIN HATCHED AREAS AND PREPARE BEDS FOR NEW PLANTINGS PER PLAN SHEETS L5 AND L9.

WHERE EXISTING PLANT MATERIAL IS REMOVED BUT NO NEW PLANTING IS PROPOSED, REPAIR AREA TO SURROUNDING GRADE AND ELEVATIONS, AND SEED WITH TURF GRASS.



-  EXISTING PLANTING TO BE REMOVED
-  EXISTING PLANTING TO REMAIN
-  PROPOSED PLANTING TO BE ADDED
-  ORNAMENTAL GRASS
-  DAYLILY 365
-  IRIS 60



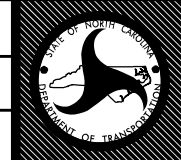
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US 321 Interchanges
 Gaston County
 PROJECT #: 3712.3.10

REV DESIGNER:


LANDSCAPE IMPROVEMENTS
US 321 @ NC 279
REMOVALS

PREL DESIGN DATE:	OCT. 26, 2012
CHECKED BY & DATE:	
FINAL DESIGN DATE:	MAR. 28, 2013









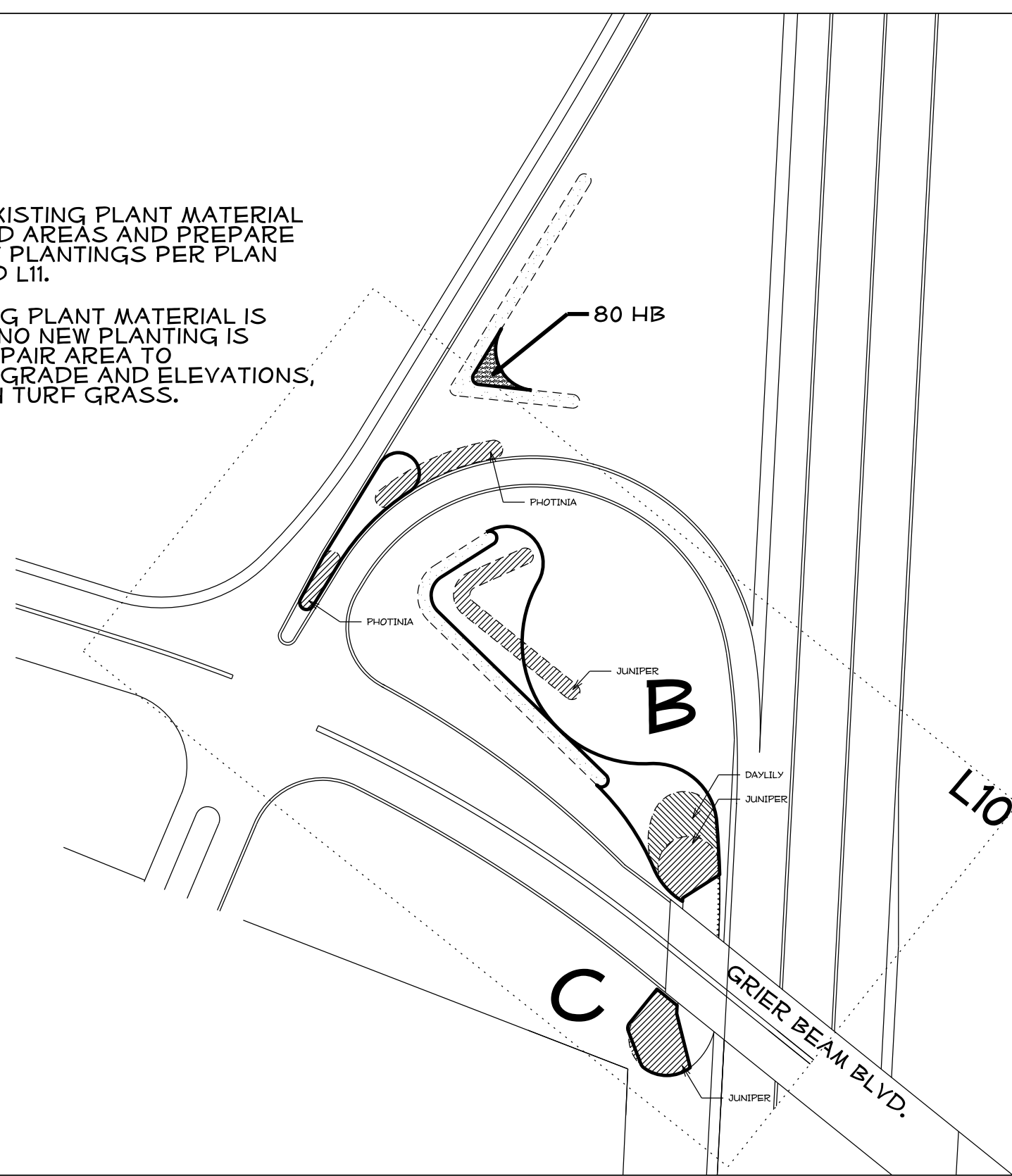
SHEET NO: **L-5**
 TOTAL SHEET NO: **11**



REMOVE ALL EXISTING PLANT MATERIAL WITHIN HATCHED AREAS AND PREPARE BEDS FOR NEW PLANTINGS PER PLAN SHEETS L6 AND L11.


WHERE EXISTING PLANT MATERIAL IS REMOVED BUT NO NEW PLANTING IS PROPOSED, REPAIR AREA TO SURROUNDING GRADE AND ELEVATIONS, AND SEED WITH TURF GRASS.

-  EXISTING PLANTING TO BE REMOVED
-  EXISTING PLANTING TO REMAIN
-  PROPOSED PLANTING TO BE ADDED
-  ORNAMENTAL GRASS
-  DAYLILY 80
-  IRIS



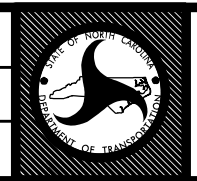
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US 321 Interchanges
 Gaston County
 PROJECT #: 3712.3.10

REU DESIGNER:


SHEET DESCRIPTION:	LANDSCAPE IMPROVEMENTS
	US 321 @ GRIER BEAM ROAD
	REMOVALS







PREL DESIGN DATE:	OCT. 26, 2012
CHECKED BY & DATE:	
FINAL DESIGN DATE:	MAR. 28, 2013

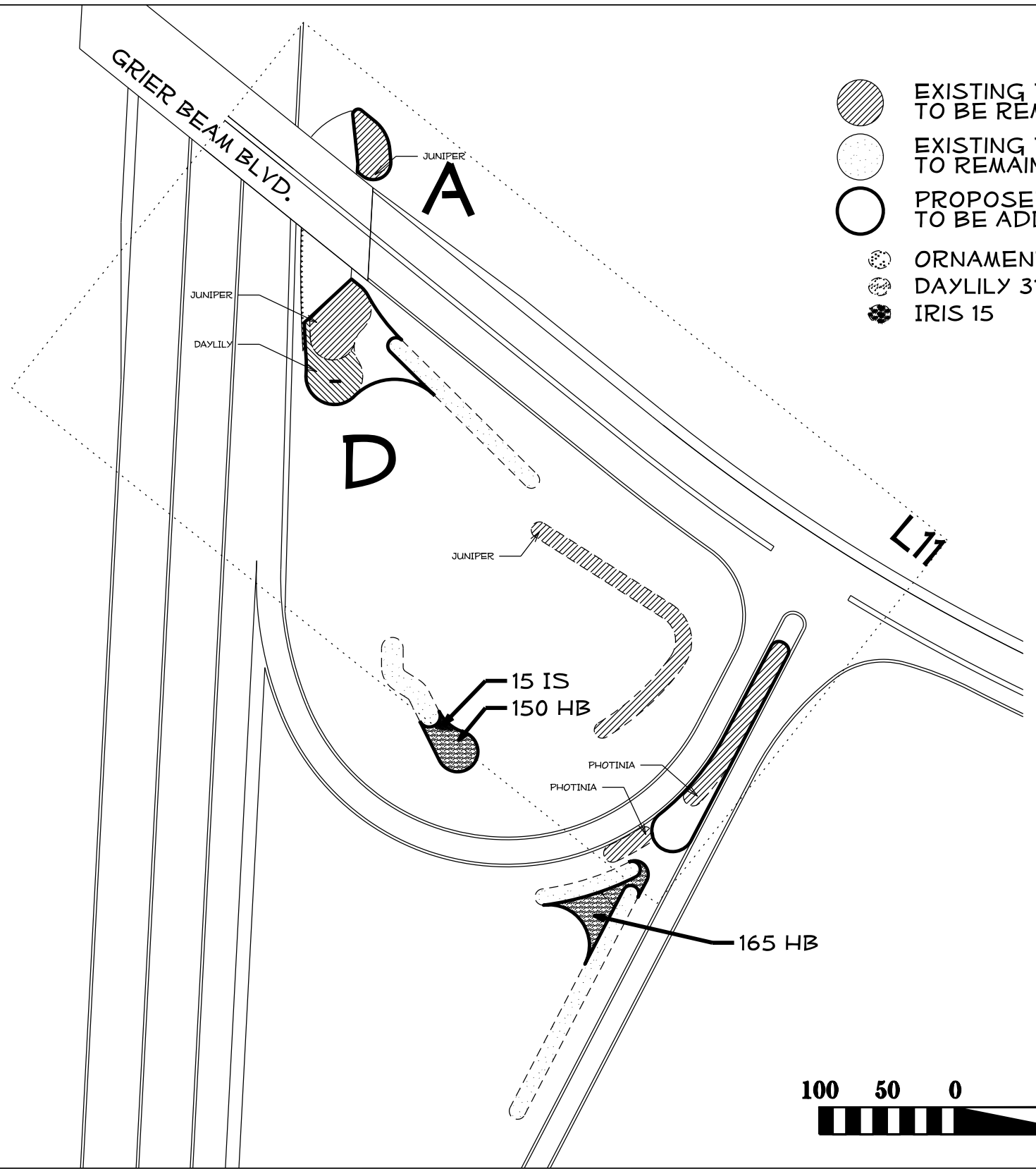


SHEET NO: **L-6**
 TOTAL SHEET NO: **11**

REMOVE ALL EXISTING PLANT MATERIAL WITHIN HATCHED AREAS AND PREPARE BEDS FOR NEW PLANTINGS PER PLAN SHEETS L7 AND L12.

WHERE EXISTING PLANT MATERIAL IS REMOVED BUT NO NEW PLANTING IS PROPOSED, REPAIR AREA TO SURROUNDING GRADE AND ELEVATIONS AND SEED

-  EXISTING PLANTING TO BE REMOVED
-  EXISTING PLANTING TO REMAIN
-  PROPOSED PLANTING TO BE ADDED
-  ORNAMENTAL GRASS
-  DAYLILY 315
-  IRIS 15



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US 321 Interchanges
 Gaston County
 PROJECT #: 3712.3.10

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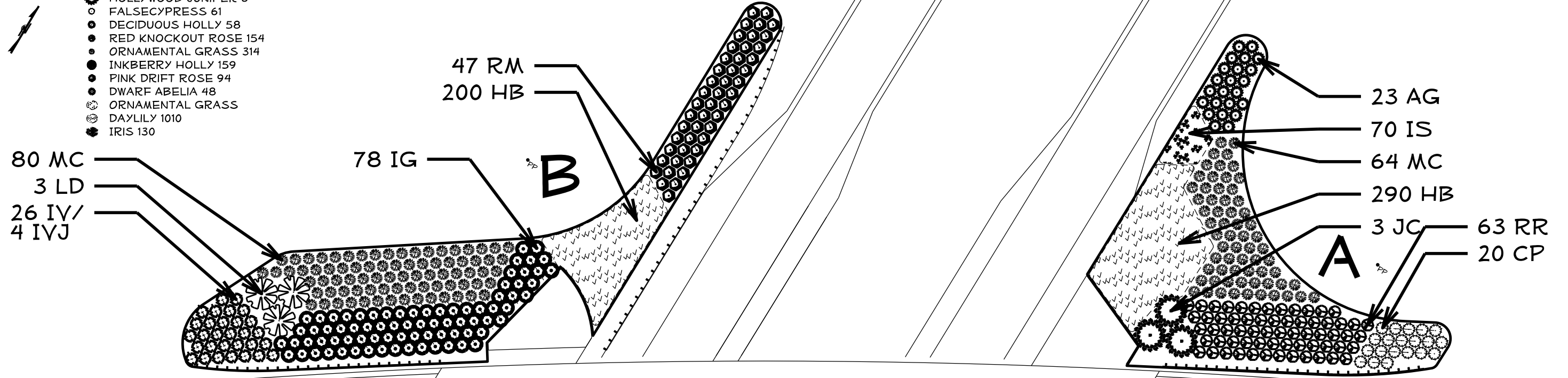

LANDSCAPE IMPROVEMENTS
US 321 @ GRIER BEAM ROAD
REMOVALS

PREL DESIGN DATE:	OCT. 26, 2012
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FINAL DESIGN DATE:	MAR. 28, 2013

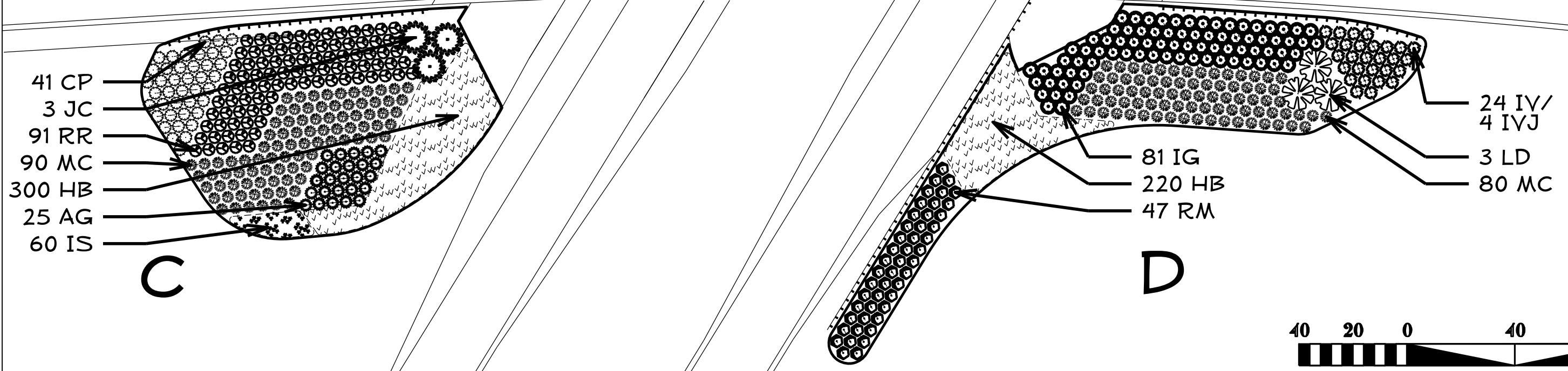


SHEET NO: **L-7**
 TOTAL SHEET NO: **11**

-  DYNAMITE CRAPE MYRTLE 6
-  NELLIE R. STEVENS HOLLY
-  HOLLYWOOD JUNIPER 6
-  FALSECYPRESS 61
-  DECIDUOUS HOLLY 58
-  RED KNOCKOUT ROSE 154
-  ORNAMENTAL GRASS 314
-  INKBERRY HOLLY 159
-  PINK DRIFT ROSE 94
-  DWARF ABELIA 48
-  ORNAMENTAL GRASS
-  DAYLILY 1010
-  IRIS 130




HARDIN ROAD



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US 321 Interchanges
 Gaston County
 PROJECT #: 3712.3.10














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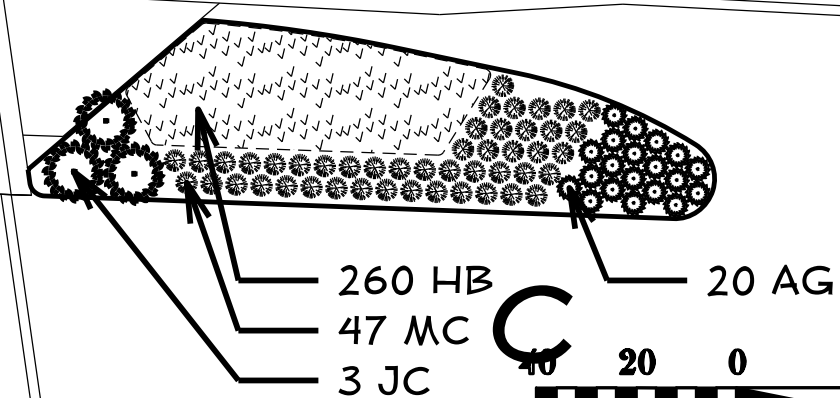
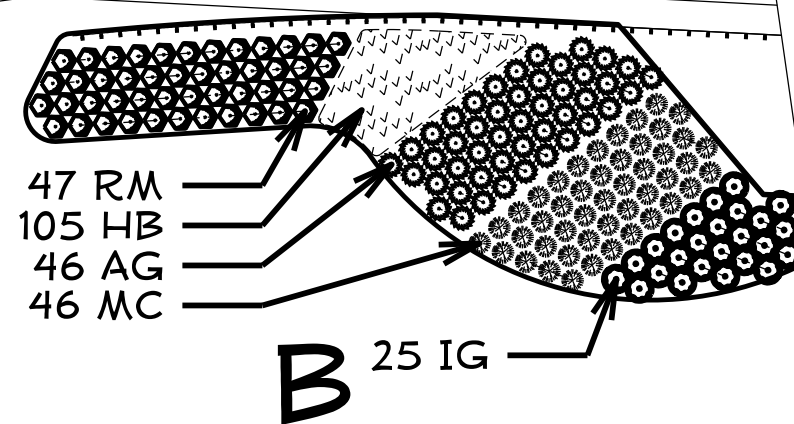
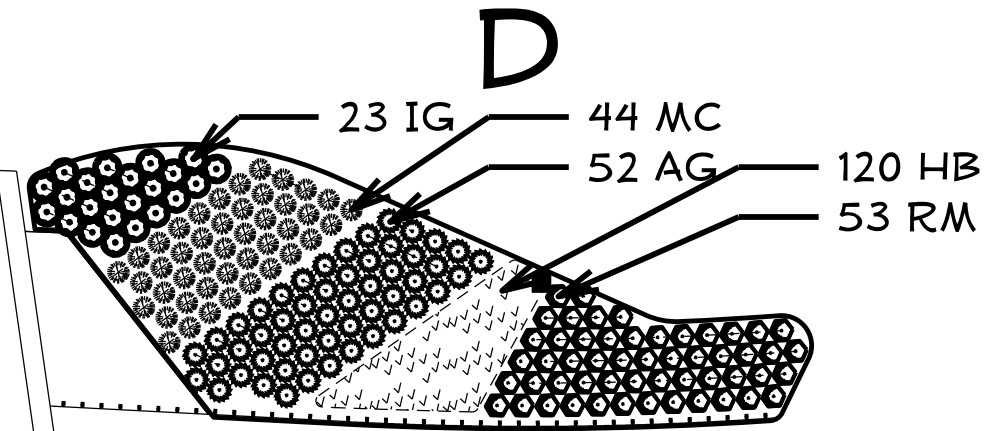
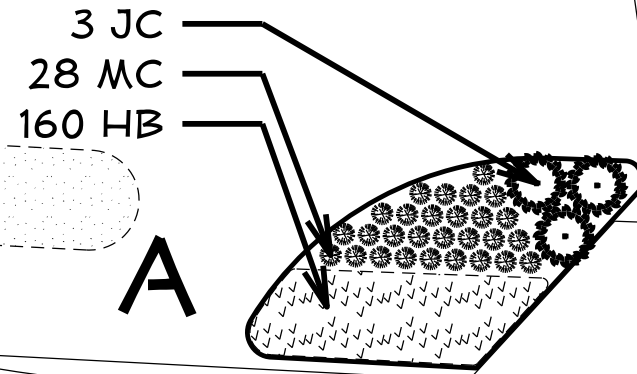
SHEET DESCRIPTION:
 LANDSCAPE IMPROVEMENTS
 US 321 @ HARDIN ROAD

PREL DESIGN DATE: OCT. 26, 2012
 CHECKED BY & DATE:
 FINAL DESIGN DATE: MAR. 28, 2013



SHEET NO: **L-8**
 TOTAL SHEET NO: 11

-  DYNAMITE CRAPE MYRTLE
-  NELLIE R. STEVENS HOLLY
-  HOLLYWOOD JUNIPER 6
-  FALSECYPRESS
-  DECIDUOUS HOLLY
-  RED KNOCKOUT ROSE
-  ORNAMENTAL GRASS 165
-  INKBERRY HOLLY 48
-  PINK DRIFT ROSE 100
-  DWARF ABELIA 118
-  ORNAMENTAL GRASS
-  DAYLILY 645
-  IRIS



NC 275/279



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 LANDSCAPE DESIGN & DEVELOPMENT
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US 321 Interchanges
 Gaston County
 PROJECT #: 3712.3.10

REU DESIGNER

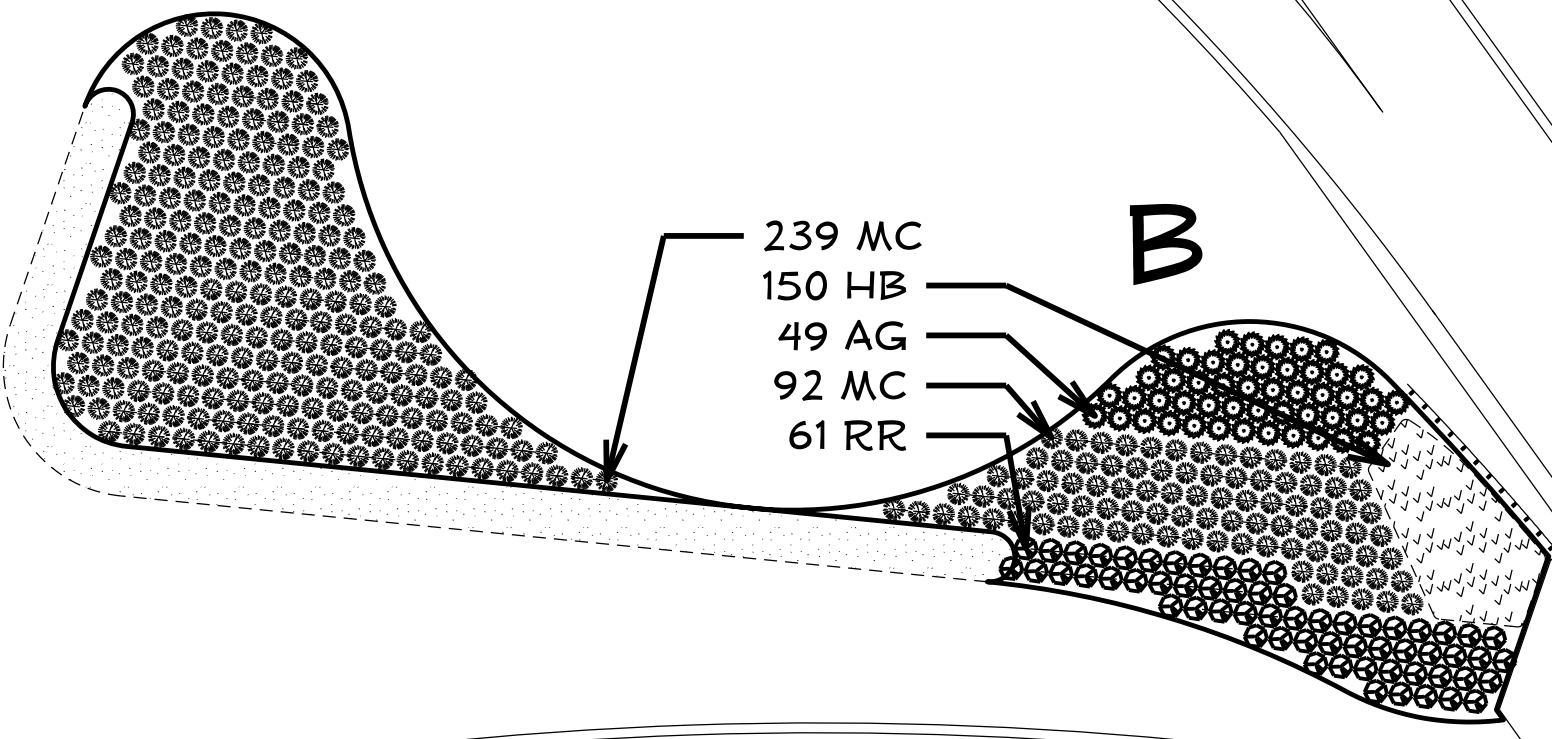
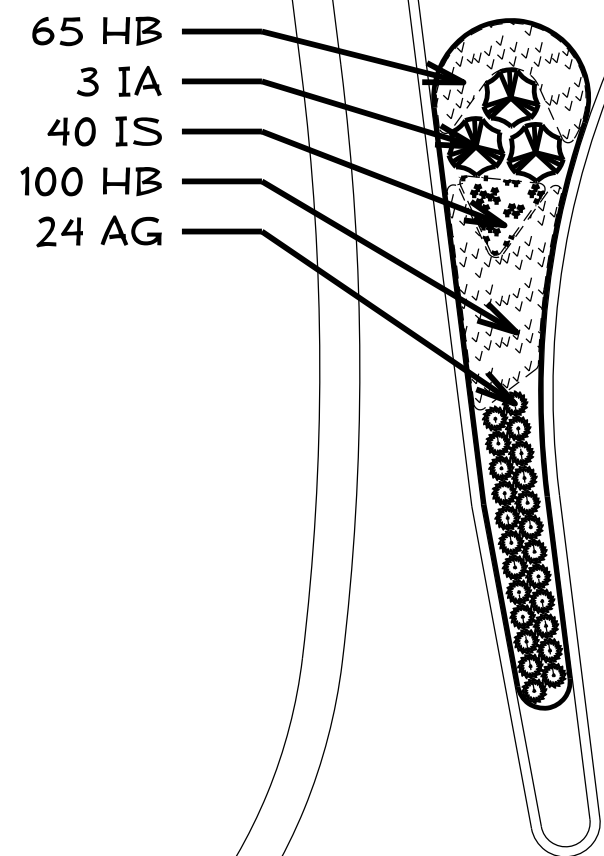

SHEET DESCRIPTION:
 LANDSCAPE IMPROVEMENTS
 US 321 @ NC 275/279

PREL DESIGN DATE: OCT. 26, 2012
 CHECKED BY & DATE:
 FINAL DESIGN DATE: MAR. 28, 2013



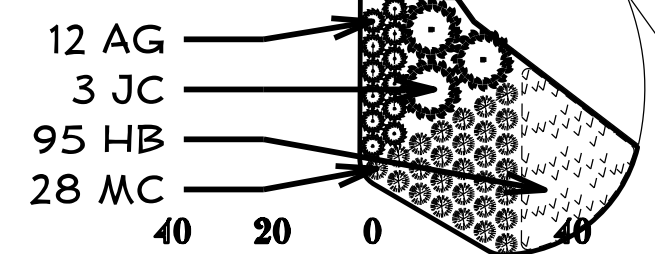
SHEET NO: **L-9**
 TOTAL SHEET NO: 11

-  DYNAMITE GRAPE MYRTLE
-  NELLIE R. STEVENS HOLLY 3
-  HOLLYWOOD JUNIPER 3
-  FALSECYPRESS
-  DECIDUOUS HOLLY
-  RED KNOCKOUT ROSE 61
-  ORNAMENTAL GRASS 359
-  INKBERRY HOLLY
-  PINK DRIFT ROSE
-  DWARF ABELIA 85
-  ORNAMENTAL GRASS
-  DAYLILY 410
-  IRIS 40




GRIER BEAM BLVD.

C



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 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/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

US 321 Interchanges
 Gaston County
 PROJECT #: 3712.3.10

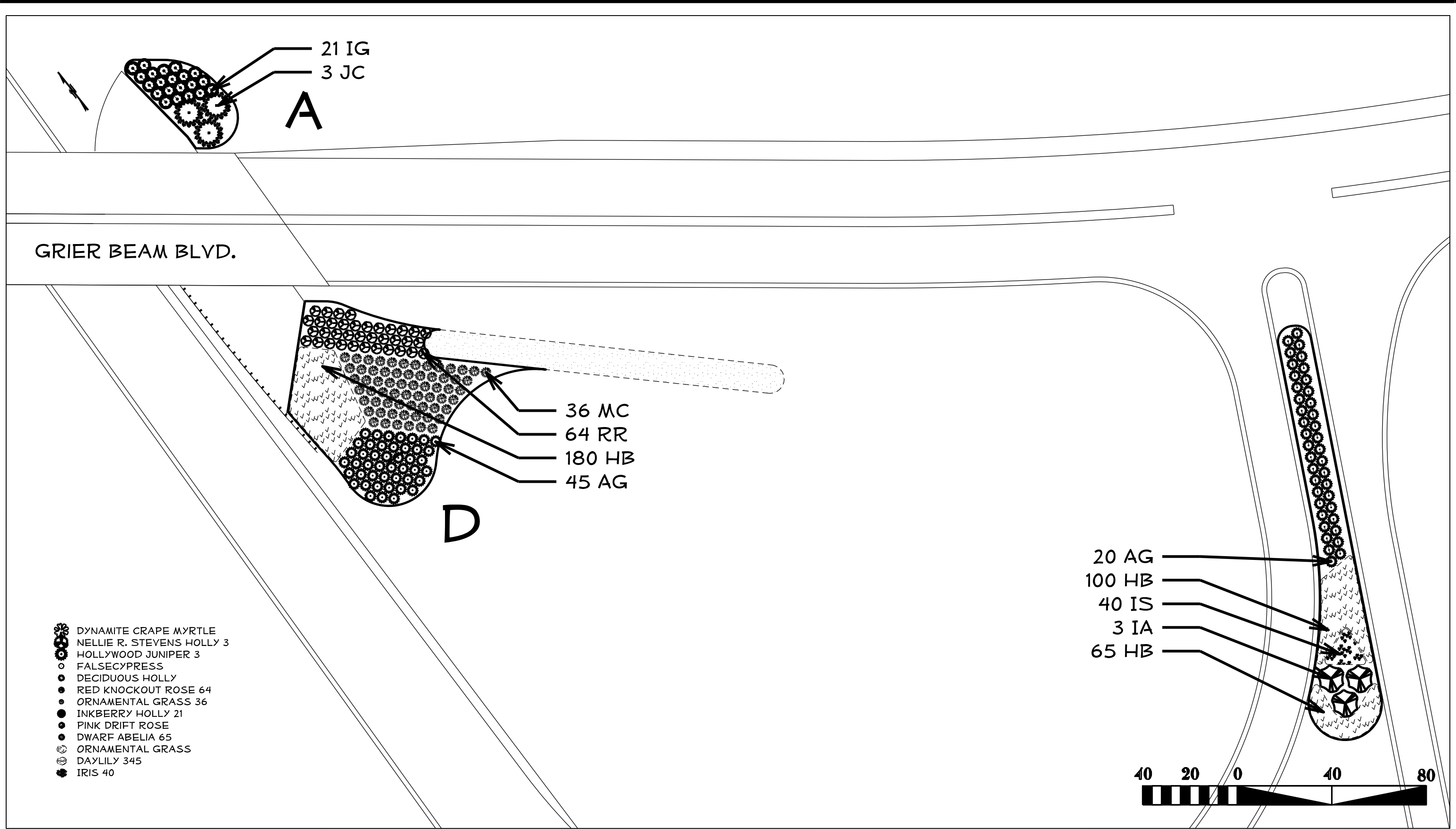
REU DESIGNERT


SHEET DESCRIPTION:
 LANDSCAPE IMPROVEMENTS
 US 321 @ GRIER BEAM BLVD.

PREL DESIGN DATE: OCT. 26, 2012
 CHECKED BY & DATE:
 FINAL DESIGN DATE: MAR. 28, 2013



SHEET NO: **L-10**
 TOTAL SHEET NO: 11



GRIER BEAM BLVD.

21 IG
3 JC

A

36 MC
64 RR
180 HB
45 AG

D

20 AG
100 HB
40 IS
3 IA
65 HB

- DYNAMITE CRAPE MYRTLE
- NELLIE R. STEVENS HOLLY 3
- HOLLYWOOD JUNIPER 3
- FALSECYPRESS
- DECIDUOUS HOLLY
- RED KNOCKOUT ROSE 64
- ORNAMENTAL GRASS 36
- INKBERRY HOLLY 21
- PINK DRIFT ROSE
- DWARF ABELIA 65
- ORNAMENTAL GRASS
- DAYLILY 345
- IRIS 40



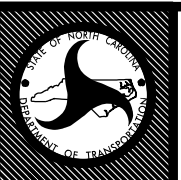
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557
 PH: 919-707-2920 FAX: 919-715-2554
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US 321 Interchanges
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SHEET NO: **L-11**
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