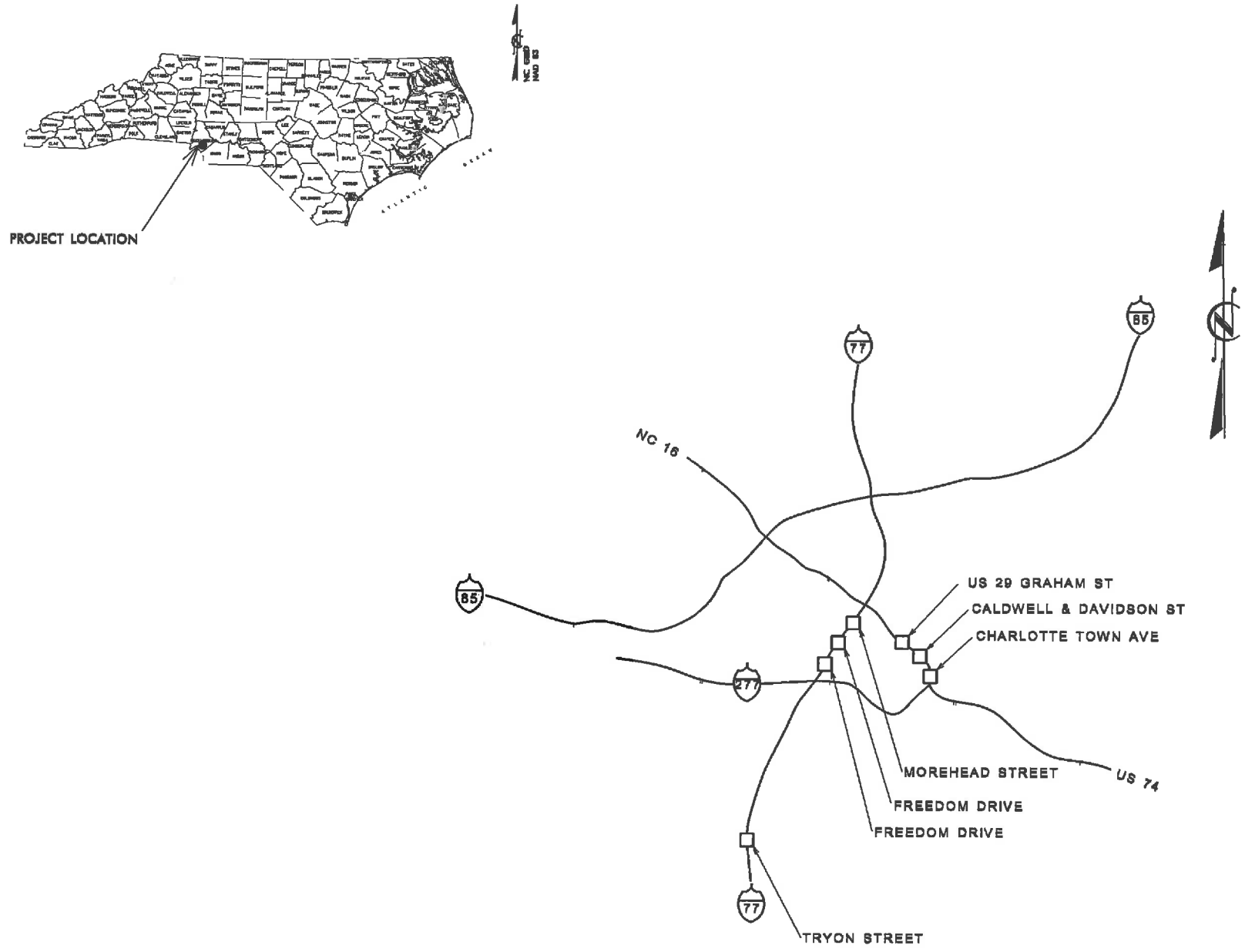


HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
-	3710.3.01	L1.0	17
FED. PROJ. #	DESCRIPTION		DIVISION
-	INTERCHANGES		10

PROJECT: MECKLENBURG CO. 3710.3.01



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	-----
Basement 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	-----

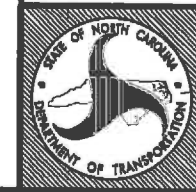
INDEX OF L SHEETS:

L 1.0	... TITLE, DESCRIPTION, LOCATION
L 2.0	... PLANTING DETAILS
L 3.0	... SUMMARY OF QUANTITIES
L 4.0 -10	... DEMOLITION PLANS PLANTING PLANS

PREPARED BY: BM DATE: 11/2012

REVISIONS

DATE	DESCRIPTION

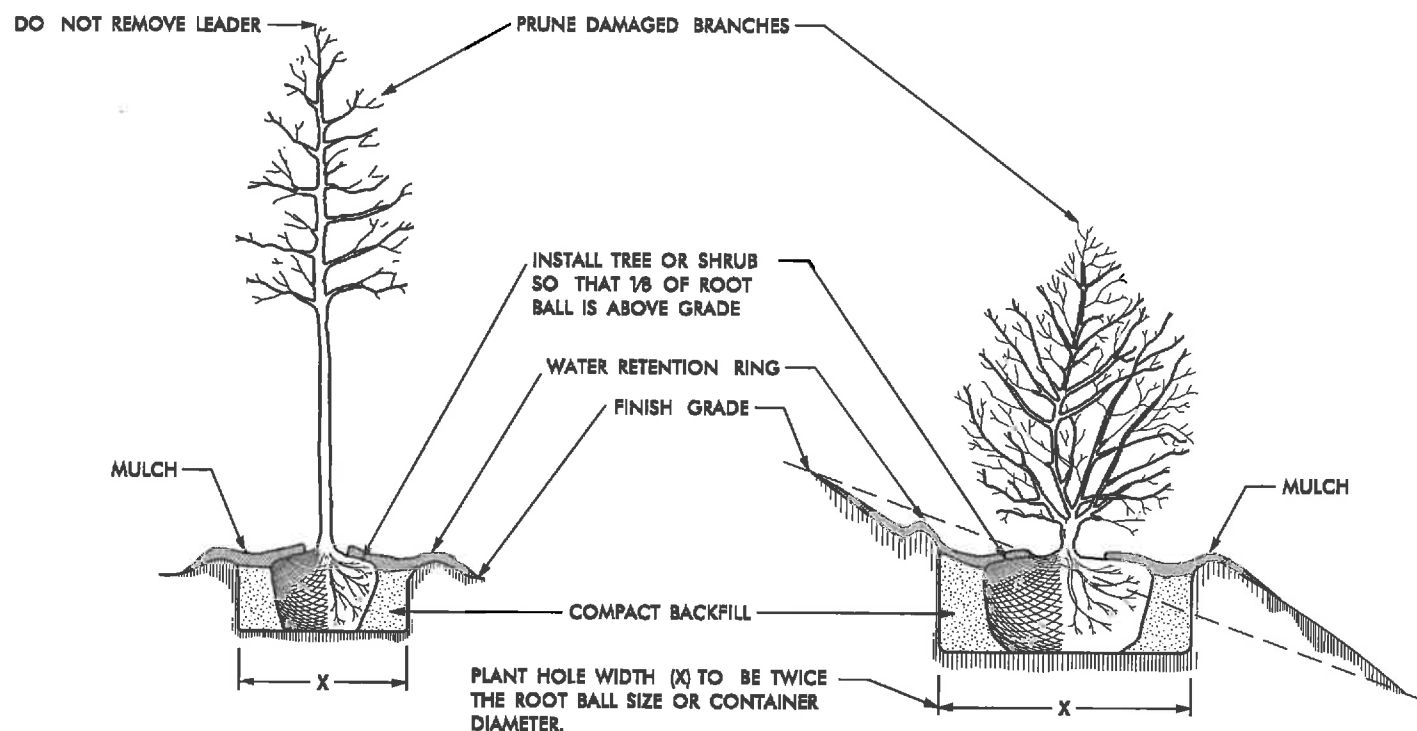


STATE OF
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

LOCATION: I-77 / I-277 / US 74 Interchanges
TYPE OF WORK: Landscape Planting Renovations
COUNTY: Mecklenburg County

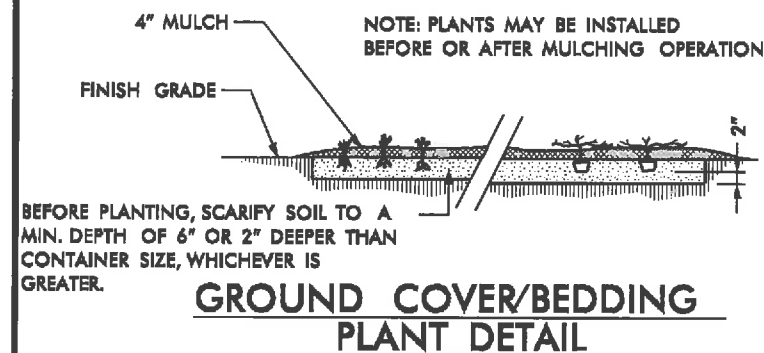
2004 American Standard for Nursery Stock
2012 NCDOT STANDARD SPECIFICATIONS
PREPARED IN THE OFFICE OF:
NCDOT- ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT SECTION
1557 MAIL SERVICE CENTER
RALEIGH NC 27699 919-707-2920

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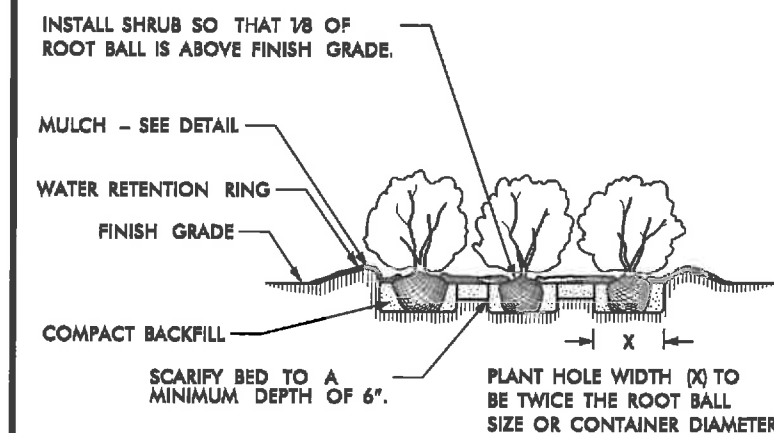


TREE OR SHRUB PLANTING DETAIL
(LEVEL GROUND)

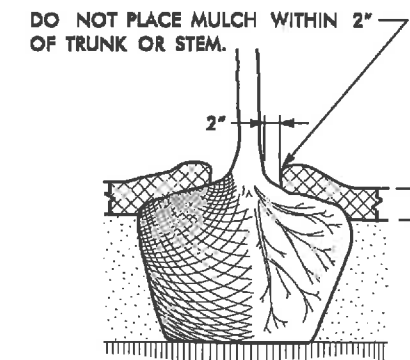
TREE OR SHRUB PLANTING DETAIL
(SLOPING GROUND)



GROUND COVER/BEDDING PLANT DETAIL



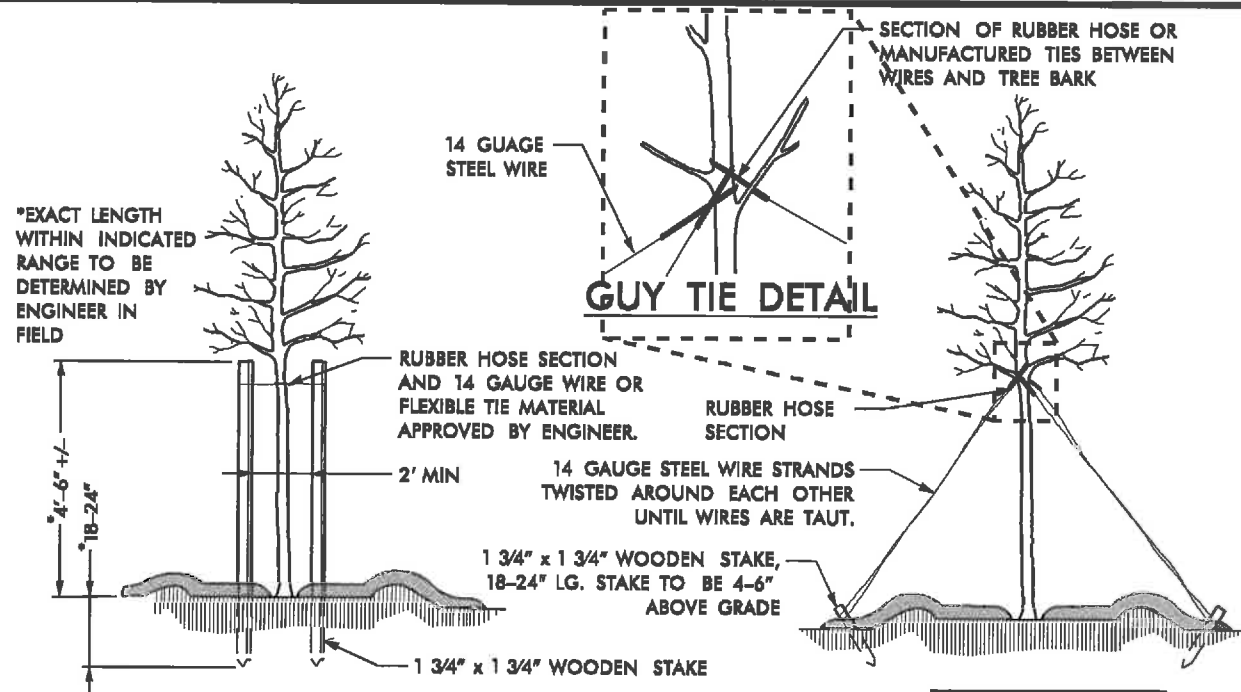
SHRUB BED PLANTING DETAIL



MULCH DETAIL

NOTES:

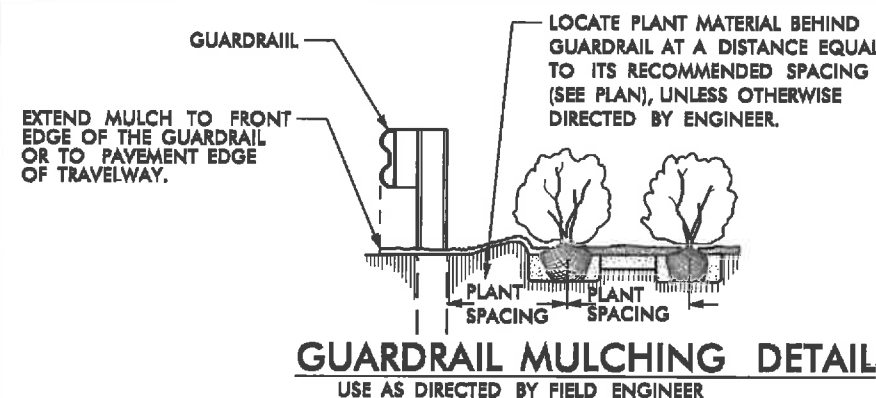
- SCHEDULE FOR PLANT HOLE SIZE: PLANT HOLE WIDTH (X) TO BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.
- SEE STANDARD SPECIFICATIONS FOR PLANT BED FUMIGATION AND HERBICIDAL TREATMENT.
- APPLY FERTILIZER AT PLANTING TIME IN THE FORM OF A SLOW RELEASE PELLET OR TABLET. APPLY AT RATE RECOMMENDED BY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



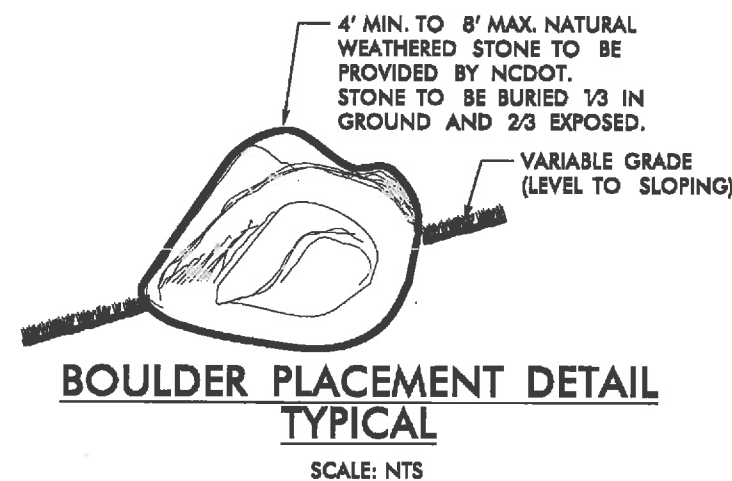
GUY TIE DETAIL

STAKING DETAIL
(TREES 6'-10')

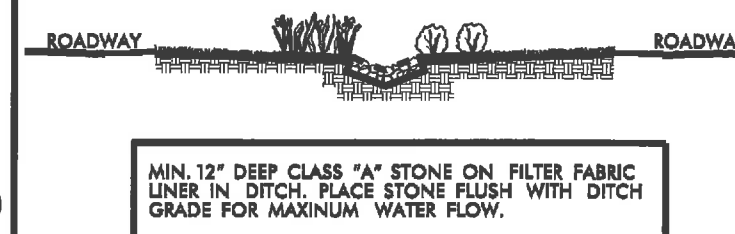
GUYING DETAIL
(TREES 10' OR LARGER)



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:
 I-77 / I-277 / US-74
 Interchanges Mecklenburg Co.

Plans Drawn By:	BM
Soils	
Date	11 / 30 / 2012
Sheet Description	Planting Details
T.I.P. #	3710.3.01
Sheet #	2

17-SEP-2013 09:41
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 Simpson (dr 10 [2].dgn)

Summary of Quantities

Des	Sec	Qty.	Unit	Key	Botanical Name	Common Name	Size	Caliper	Furnish	A.S.N.S.	Remarks
L	1670	16	ea	CF	<i>Cornus florida</i>	Flowering Dogwood	5-6'		#15 cont.	1.2.4	as shown
L	1670	1450	ea	HM	<i>Hemerocallis 'Mary Todd'</i>	Mary Todd Daylily			#1 cont.	12.2.3	3' o.c.
L	1670	16	ea	LD	<i>Lagerstroemia indica 'Whitt II Dynamite'</i>	Dynamite Crape Myrtle	5-6'		B&B	1.3	as shown
L	1670	2084	ea	MC	<i>Muhlenbergia capillaris</i>	Pink Muhley Grass	18-24"		#3 cont.	12.4	4' o.c.
L	1670	2318	ea	MW	<i>Muhlenbergia capillaris 'White Cloud'</i>	White Muhley Grass	18-24"		#3 cont.	12.4	5' o.c.
L	1670	702	ea	PA	<i>Pennisetum alopecuroides 'Hamlin'</i>	Dwarf Fountain Grass			#1 cont.	12.4	4' o.c.
L	1670	2317	ea	RK	<i>Rosa x 'Double Knock-out' Radrazz</i>	Double Knock Out Red Rose	18-24"		#3 cont.	12.4	5' o.c.
L	1670	1161	ea	WF	<i>Weigela florida 'Wine and Roses'</i>	Wine and Roses Weigela	15-18"		#3 cont.	12.4	6' o.c.
2729	1670	2312	CY		Mulch for Planting						
2731	1670	671	M/G		Water for Planting						
L	1670	25225	SY		Existing Plant Bed Clean-up - See Special Provision						
L	1670	25225	SY		Pre emergence Herbicidal Treatment						
L	1670	25225	SY		Post emergence Herbicidal Treatment						



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http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Mecklenburg County
 interchanges
 project #: 3710.3.01

res. engineer:

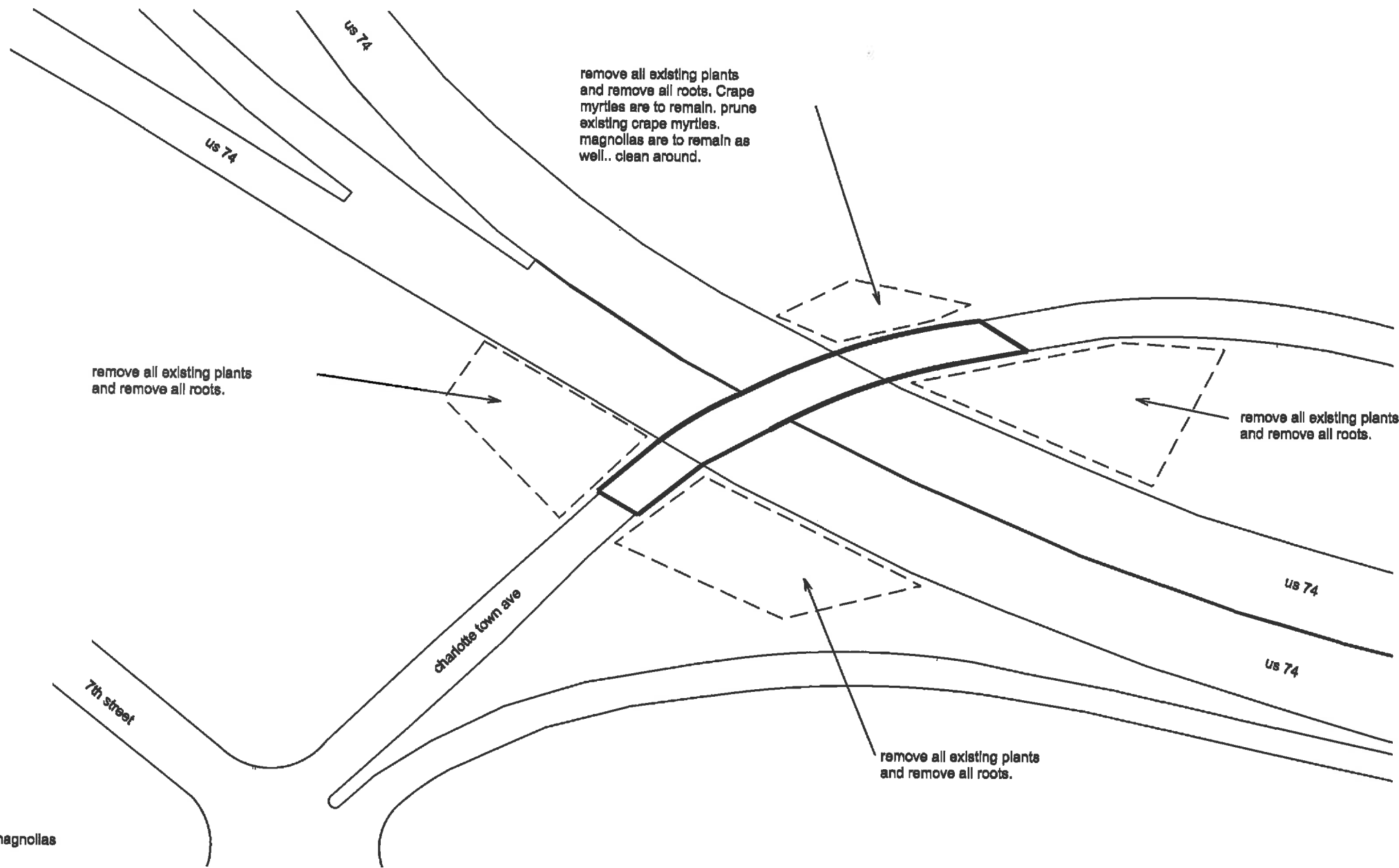
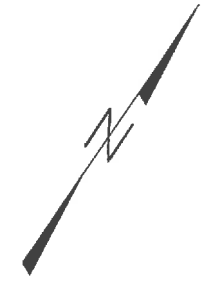
 B. Minter Sr.

summary of quantities
 enhancement planting

prel design date: 11 / 2012
 checked by & date: n. ring
 final design date: 01 / 2013



sheet no:
L-3
 total sheet no:
 17



remove all existing plants and remove all roots. Crape myrtles are to remain. prune existing crape myrtles. magnolias are to remain as well.. clean around.

remove all existing plants and remove all roots.

remove all existing plants and remove all roots.

remove all existing plants and remove all roots.

note: take caution not to disturb root zones of crape myrtles and magnolias all work must be approved by division roadside engineer before removal.



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Mecklenburg County
I-277 - US 74 - Charlotte Ave
project #: 3710.3.01

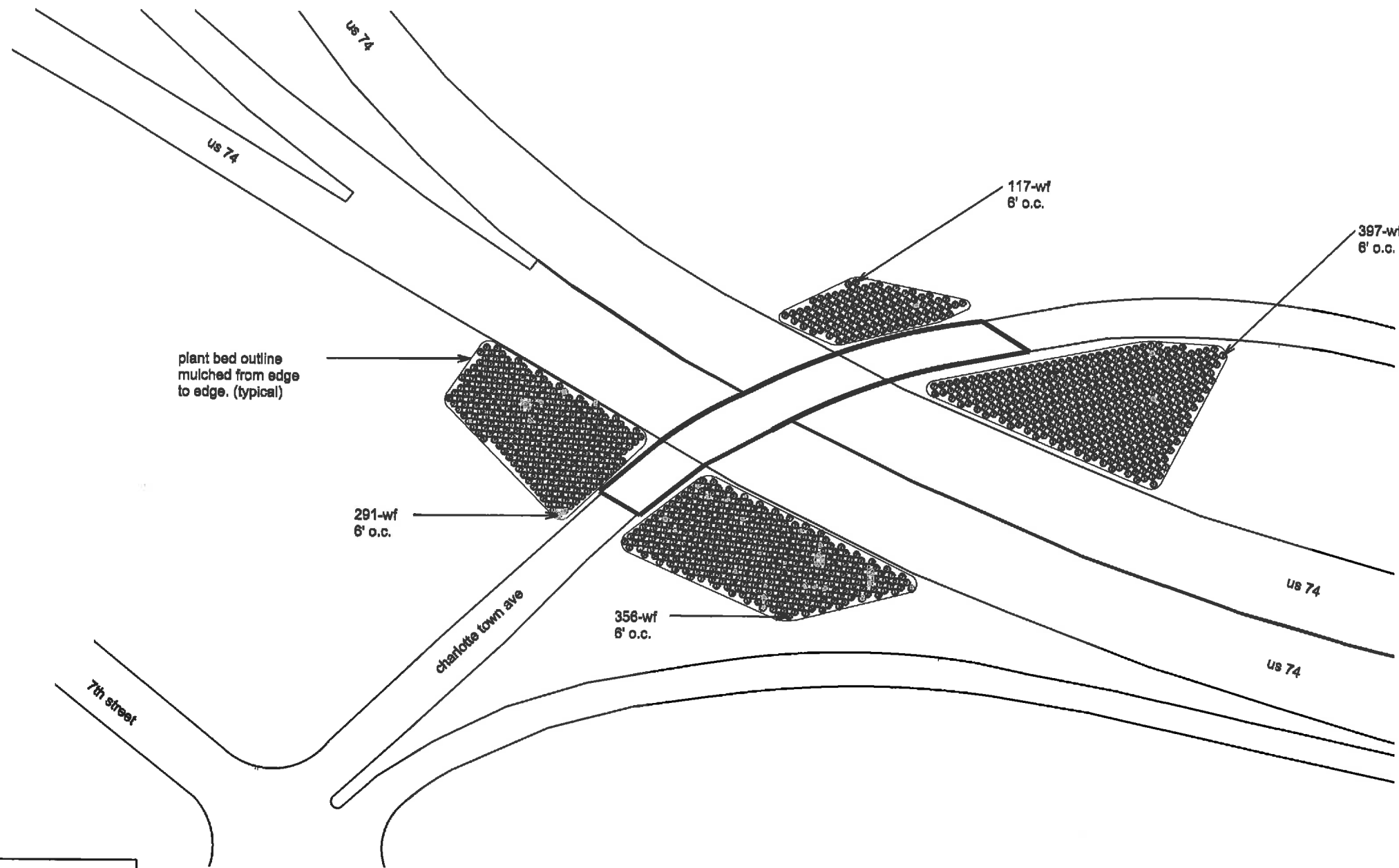
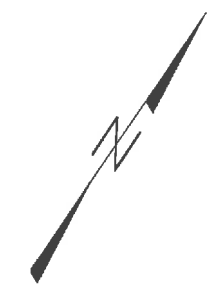
revised by: **B. Minter Sr.**
sheet description:

demolition plan
enhancement planting

prel design date:	11 / 2012
checked by & date:	n. ring
final design date:	01 / 2013



sheet no: **L-4**
total sheet no: 17



note: all proposed plants are to be adjusted to complement existing trees and beds. division roadside engineer must approve plant bed layout before installation is to begin.

PLANT LIST					
QUAN	UNIT	KEY	BOTANICAL NAME	COMMON NAME	REMARKS
1581	sq	wf	Walgala Sorbus Wine and rose	wine and rose walgala	6' o.c.



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http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Mecklenburg County
 I-277 - US 74 - Charlotte Ave
 project #: 3710.3.01

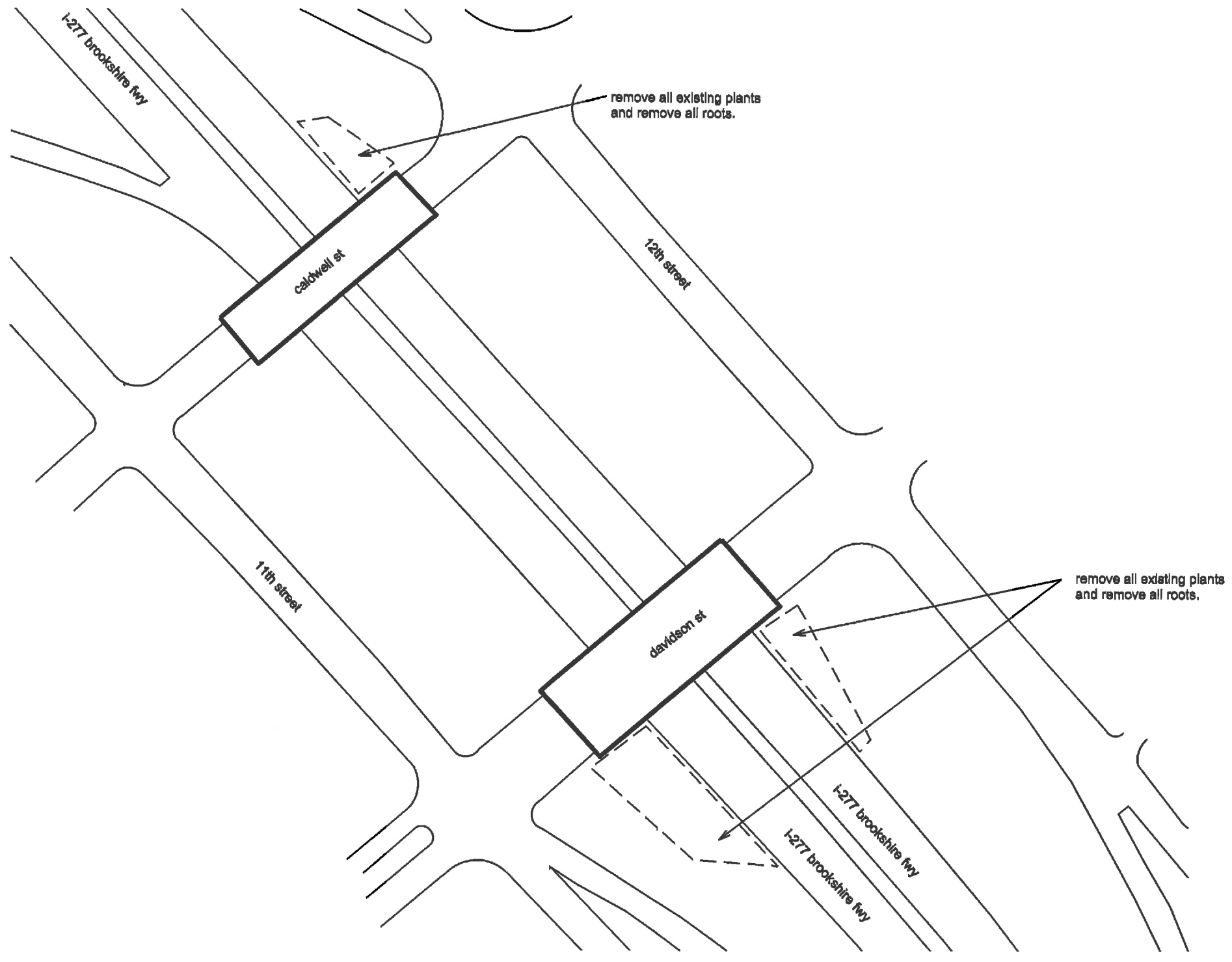
re: engineer: **B. Minter Sr.**

sheet description:	planting plan
	enhancement planting

prel design date:	11 / 2012
checked by & date:	n. ring
final design date:	01 / 2013



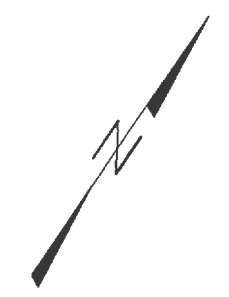
sheet no: **L-4P**
 total sheet no: 17



remove all existing plants and remove all roots.

remove all existing plants and remove all roots.

note: all work must be approved by division roadside engineer before removal.



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http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Mecklenburg County
 I-277 Caldwell and Davidson St
 project #: 3710.3.01

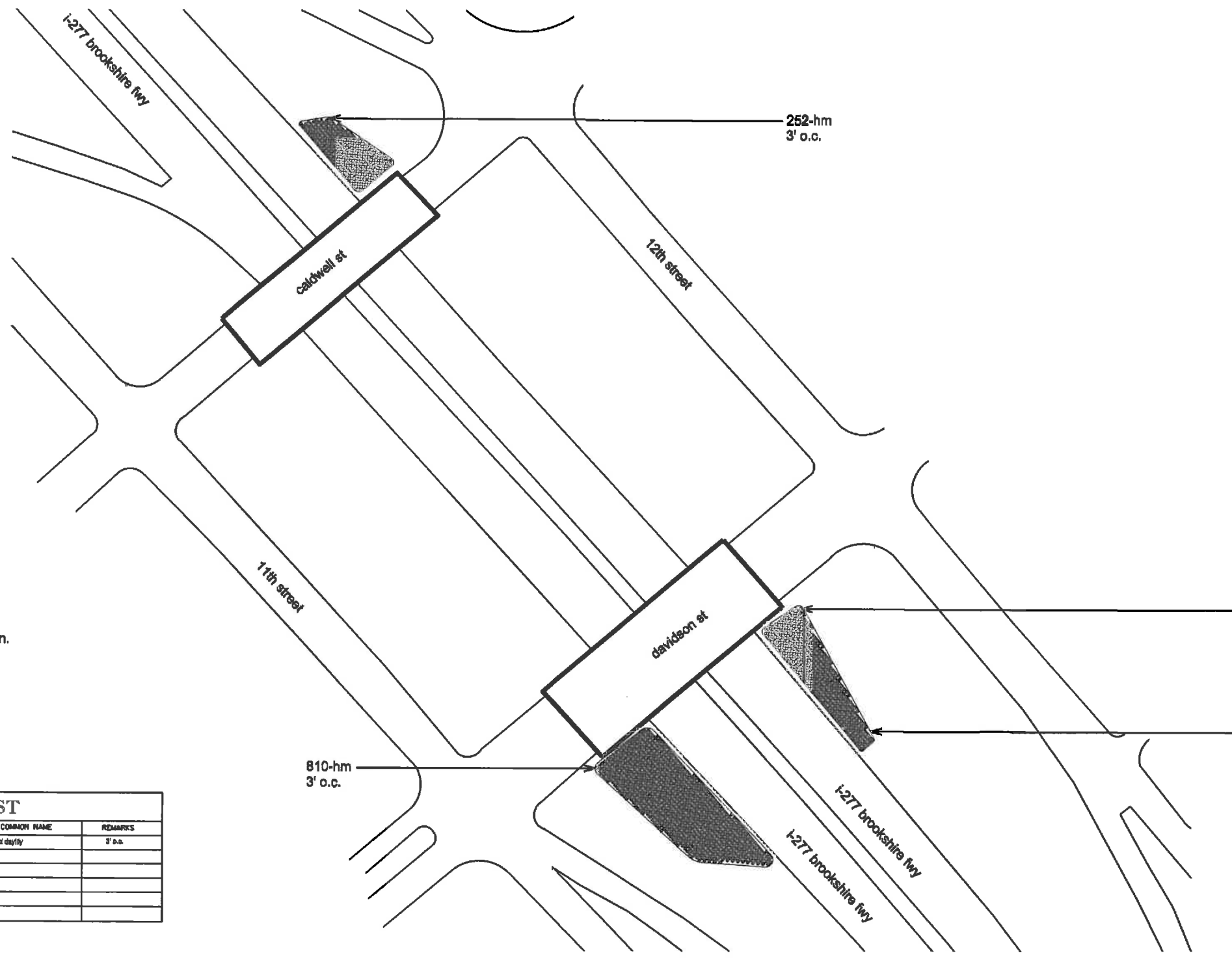
reu engineer:
B. Minter St

demolition plan
 enhancement planting

prel design date: 11 / 2012
 checked by & date: n. ring
 final design date: 01 / 2013

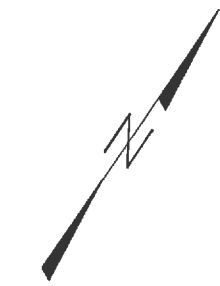


sheet no:
L-5
 total sheet no:
 17



note: all proposed plants are to be adjusted to complement existing trees and beds. division roadside engineer must approve plant bed layout before installation is to begin.

PLANT LIST					
QUAN	UNIT	KEY	BOTANICAL NAME	COMMON NAME	REMARKS
1480	sq	hm	hamamelis 'mary gold'	mary gold dogwood	3' o.c.



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http://www.ncdot.org/dot/operations/dp_chief_eng/roadsides/

Mecklenburg County
 I-277 Caldwell and Davidson St.
 project #: 3710.3.01

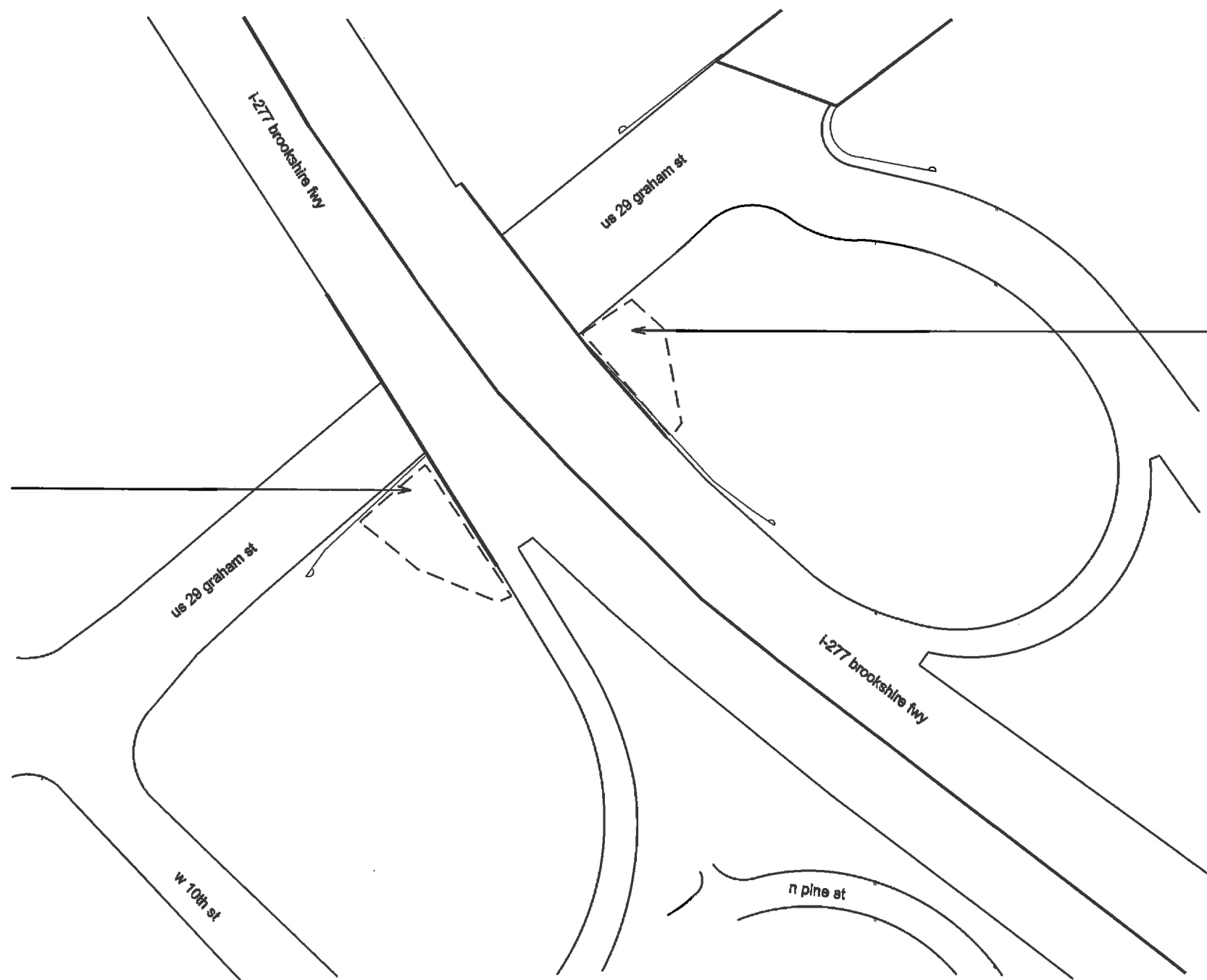
reu engineer
 B. Minter Sr.

sheet description:
 planting plan
 enhancement planting

prel design date: 11 / 2012
 checked by & date: n. ring
 final design date: 01 / 2013



sheet no:
L-5P
 total sheet no:
 17



remove all existing plants
and remove all roots.

remove all existing plants
and remove all roots.

note: all work must be approved by
division roadside engineer
before removal.



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http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Mecklenburg County
I-277 US 29 Graham St.

project #: 3710.3.01

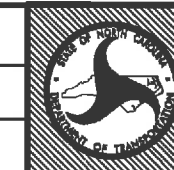
res. engineer:
B. Minter Sr.

demolition plan
enhancement planting

prel design date: 11 / 2012

checked by & date: n. ring

final design date: 01 / 2013



sheet no:

L-6

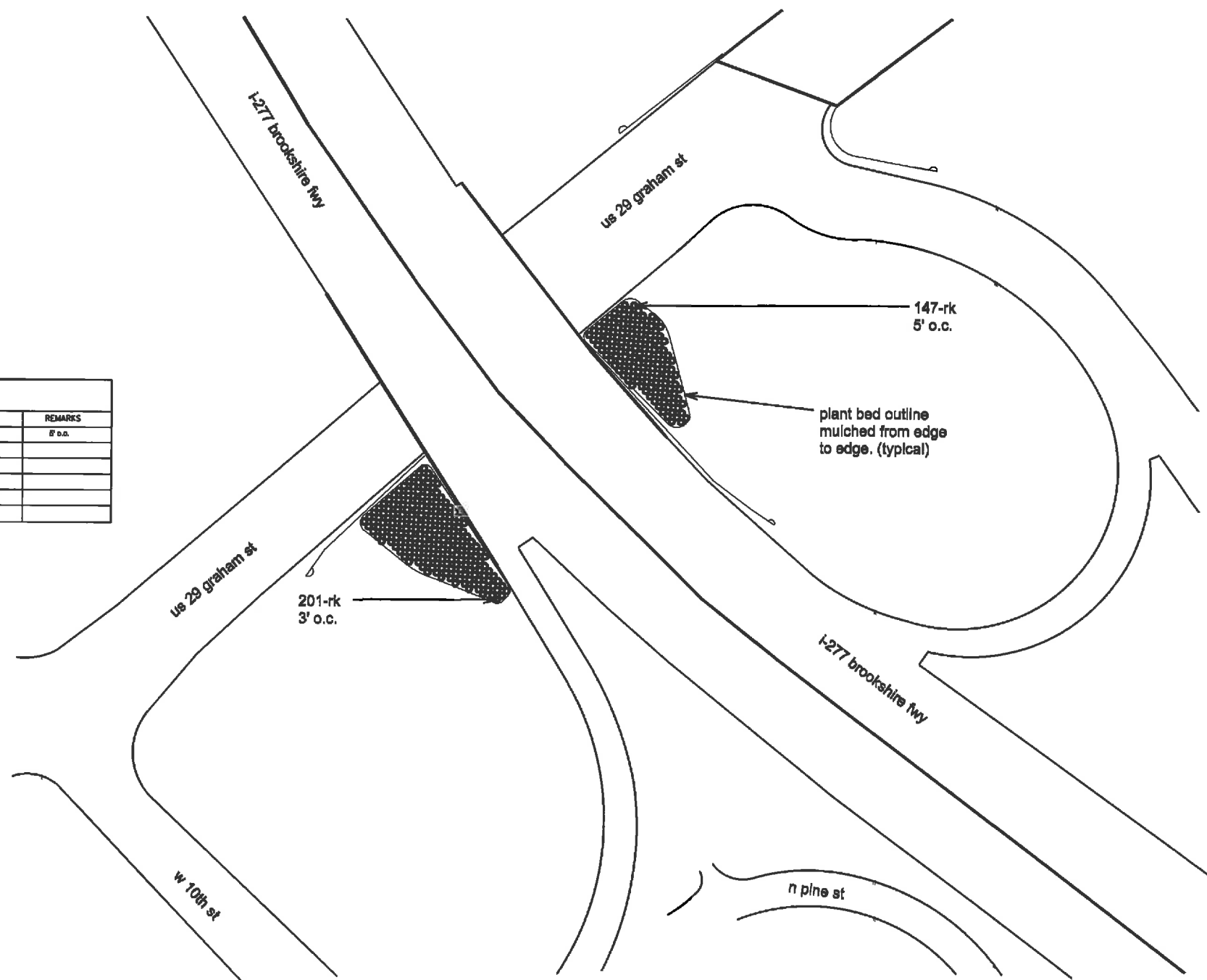
total sheet no:

17

note: all proposed plants are to be adjusted to complement existing trees and beds. division roadside engineer must approve plant bed layout before installation is to begin.



PLANT LIST					
QUAN	UNIT	KEY	BOTANICAL NAME	COMMON NAME	REMARKS
342	sq	rk	misc: 'double knock-out restraint'	double knock out rd rose	5' o.c.



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http://www.ncdot.org/doh/operations/dp_chief_eng/roadsides/

Mecklenburg County
 I-277 US 29 Graham St.
 project #: 3710.3.01

reu engineer:
B. Minter St

planting plan
 enhancement planting

prel design date: 11 / 2012
 checked by & date: n. ring
 final design date: 01 / 2013

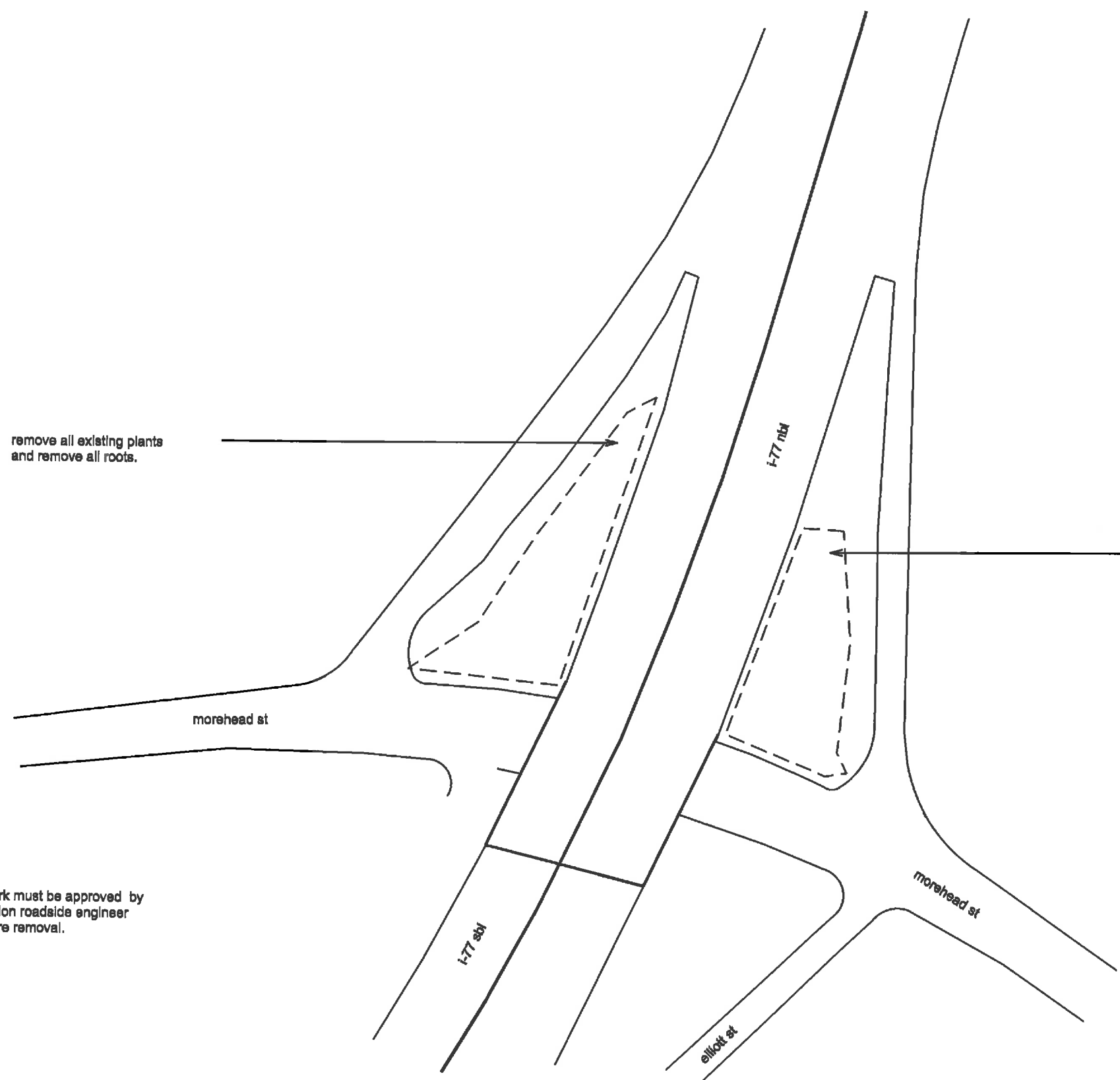


sheet no:
L-6P
 total sheet no:
 17

remove all existing plants
and remove all roots.

remove all existing plants
and remove all roots.

note: all work must be approved by
division roadside engineer
before removal.



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http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Mecklenburg County
I-77 and Morehead Street
 project #: 3710.3.01

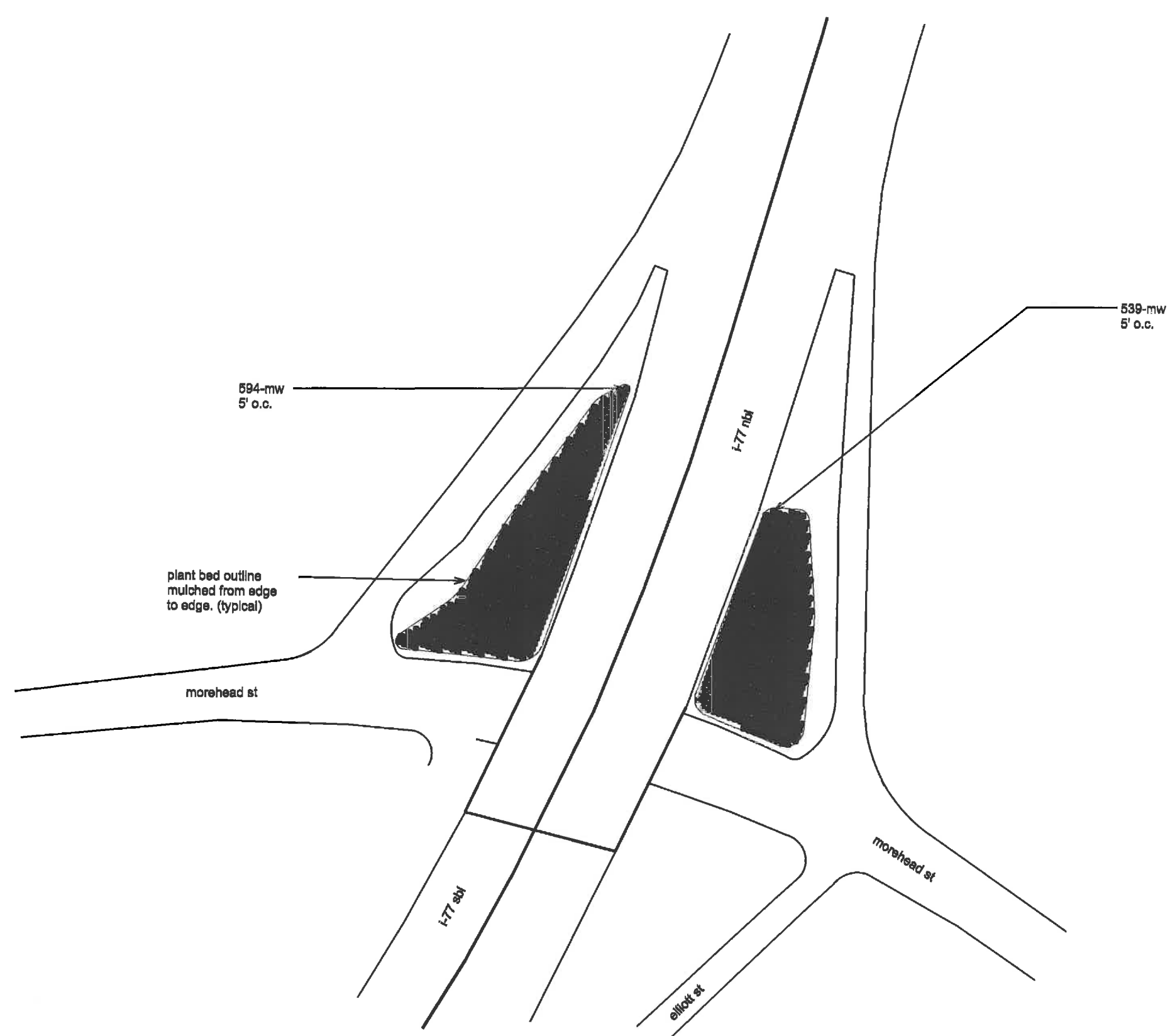
reu engineer:
B. Minter Sr.

demolition plan
enhancement planting

prel design date:	11 / 2012
checked by & date:	n. ring
final design date:	01 / 2013






sheet no:
L-7
 total sheet no:
 17

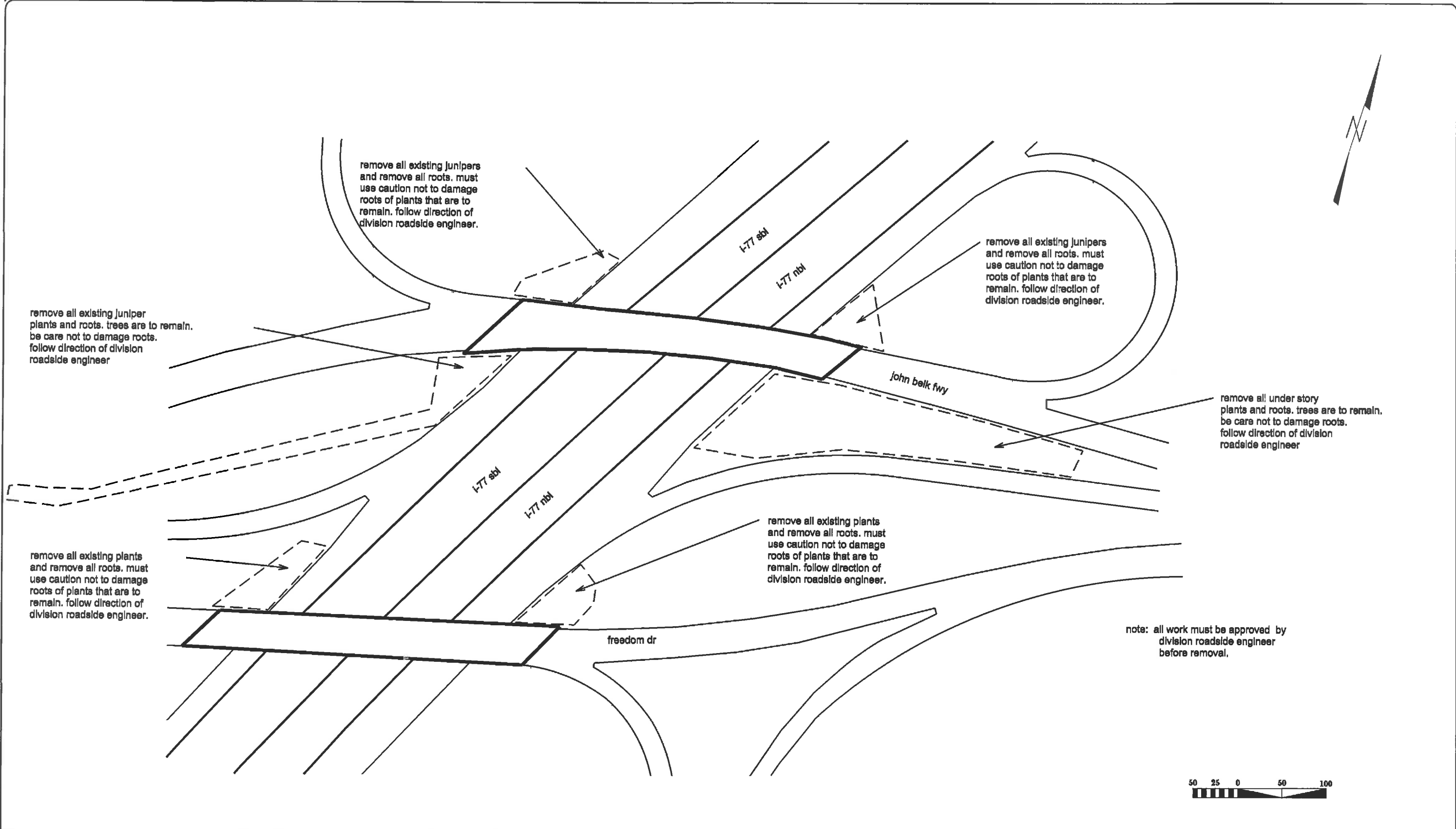


note: all proposed plants are to be adjusted to complement existing trees and beds. division roadside engineer must approve plant bed layout before installation is to begin.

PLANT LIST					
QUAN	UNIT	KEY	BOTANICAL NAME	COMMON NAME	REMARKS
1100	sq	mw	multiberberis ocellaris white cloud	white cloud multiflora rose	5' o.c.



 <p>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/</p>	<p>Mecklenburg County I-77 and Morehead Street project #: 3710.3.01</p>	<p>reu engineer: </p>	planting plan	prel design date: 11 / 2012 checked by & date: n. ring final design date: 01 / 2013	 <p>sheet no: L-7P total sheet no: 17</p>
			sheet description: enhancement planting		



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http://www.ncdot.org/doh/operations/dp_chief_eng/roadsides/

Mecklenberg County
 I-77 and Freedom Drive
 project #: 3710.3.01

re: engineer: **B. Minter Sr.**

demolition plan
enhancement planting

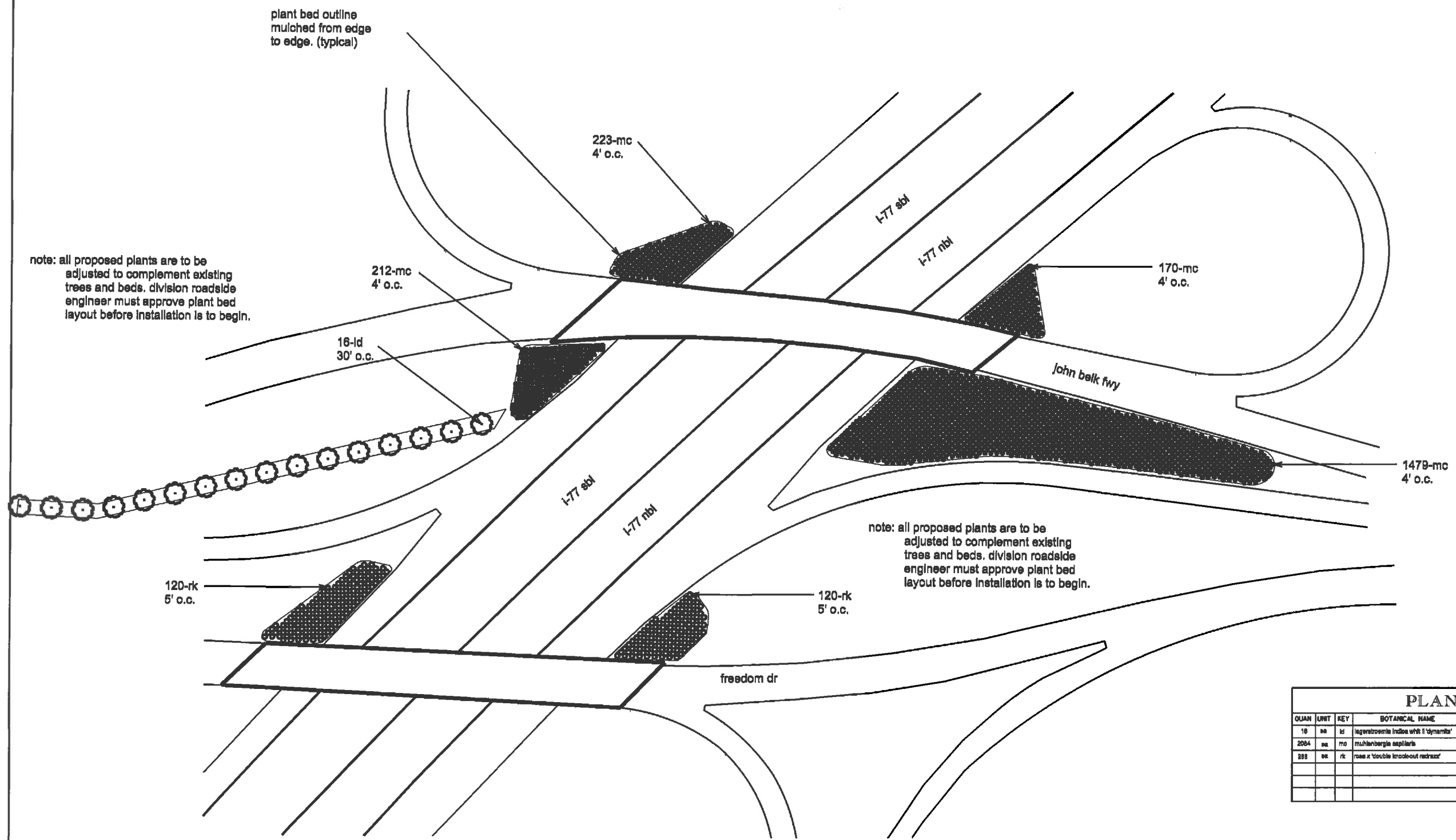
prel design date:	11 / 2012
checked by & date:	n. ring
final design date:	01 / 2013



sheet no: **L-8**
 total sheet no: 17

plant bed outline
mulched from edge
to edge. (typical)

note: all proposed plants are to be
adjusted to complement existing
trees and beds. division roadside
engineer must approve plant bed
layout before installation is to begin.



note: all proposed plants are to be
adjusted to complement existing
trees and beds. division roadside
engineer must approve plant bed
layout before installation is to begin.

PLANT LIST

QUAN	UNIT	KEY	BOTANICAL NAME	COMMON NAME	REMARKS
10	sq	ld	Isopogon sp. Indica var. 'dynamis'	dynamis crepe myrtle	30' o.c.
2004	sq	mc	Muhlenbergia capillaris	pink Muhlenberg grass	4' o.c.
288	sq	rk	Rosa x 'double knockout redrose'	double red knockout rose	5' o.c.



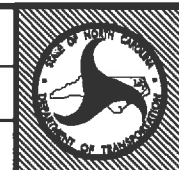
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT
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PH: 919-707-2920 FAX: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Mecklenberg County
I-77 and Freedom Drive
project #: 3710.3.01

re: engineer: **B. Minter Sr.**
sheet description:

landscape plan
enhancement planting

prel design date: 11 / 2012
checked by & date: n. ring
final design date: 01 / 2013



sheet no: **L-8P**
total sheet no: 17

remove all existing plants and remove all roots. follow direction of division roadside engineer.

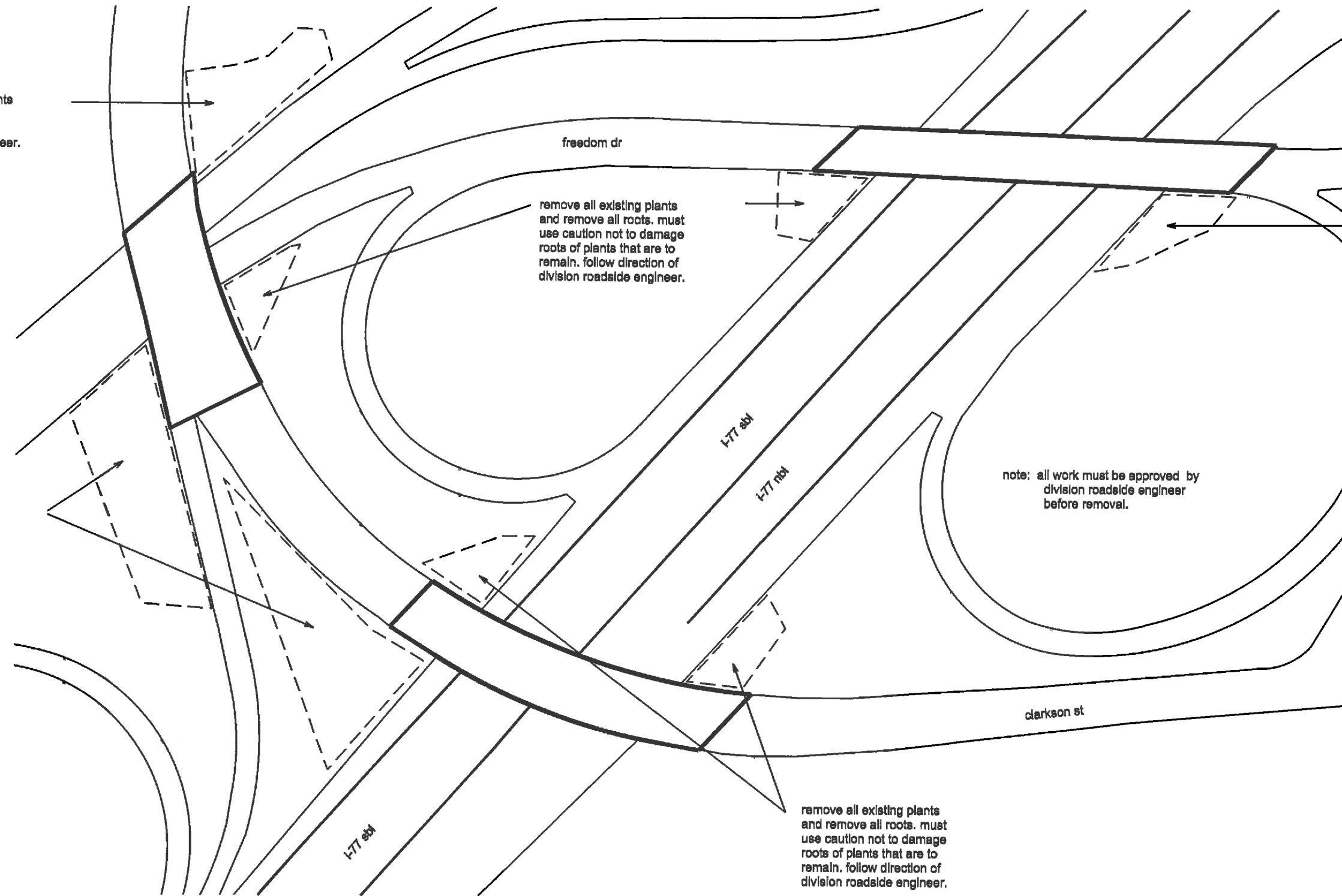
remove all existing plants and remove all roots. must use caution not to damage roots of plants that are to remain. follow direction of division roadside engineer.

remove all existing plants and remove all roots. must use caution not to damage roots of plants that are to remain. follow direction of division roadside engineer.

remove all existing plants and remove all roots. follow direction of division roadside engineer.

note: all work must be approved by division roadside engineer before removal.

remove all existing plants and remove all roots. must use caution not to damage roots of plants that are to remain. follow direction of division roadside engineer.



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LANDSCAPE DESIGN & DEVELOPMENT
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PH: 919-707-2920 FAX: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Mecklenburg County
I-77 and Freedom Drive
project #: 3710.3.01

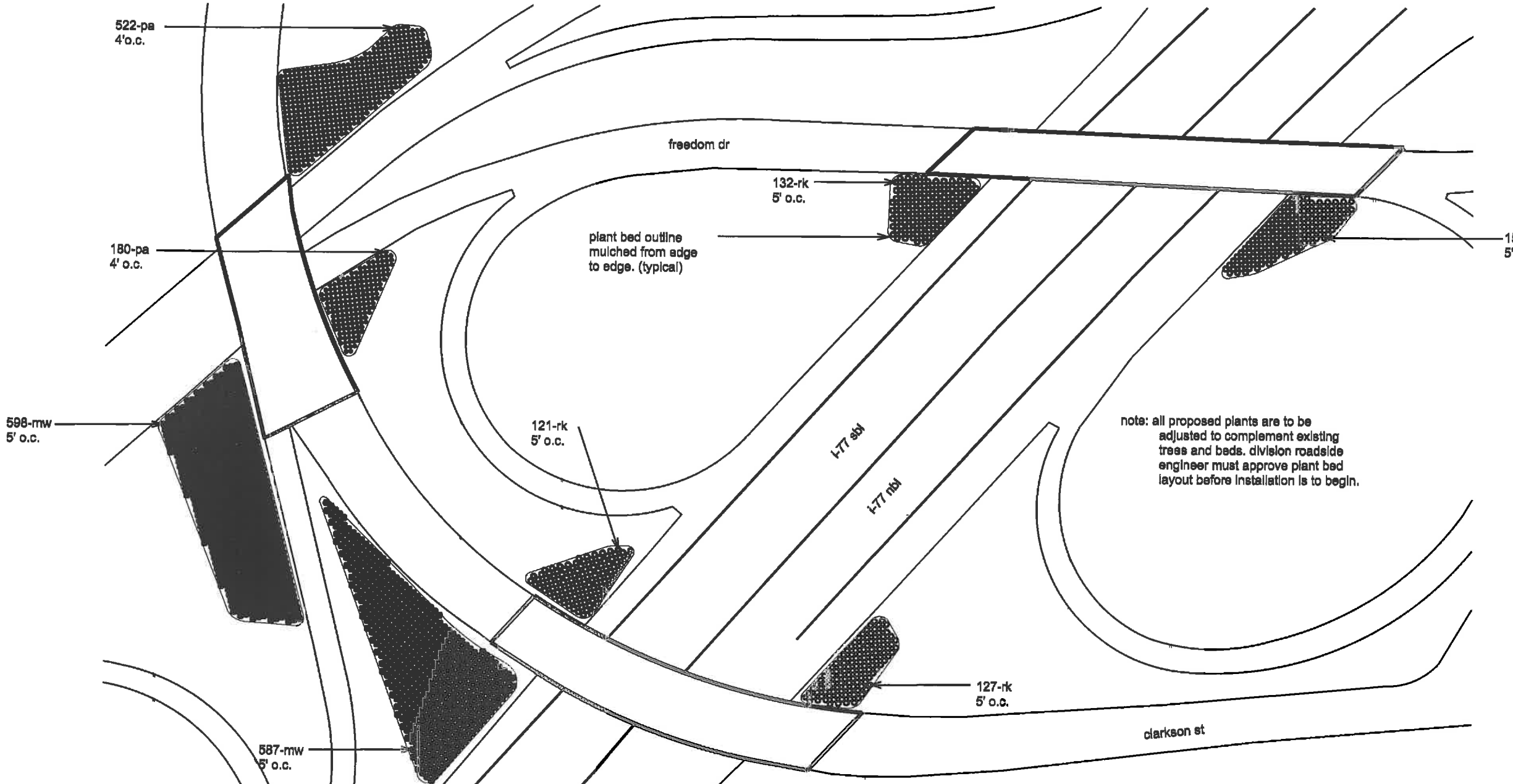
reu engineer:
B. Minter Sr.

demolition plan
enhancement planting

prel design date: 11 / 2012
checked by & date: n. ring
final design date: 01 / 2013



sheet no:
L-9
total sheet no:
17



note: all proposed plants are to be adjusted to complement existing trees and beds. division roadside engineer must approve plant bed layout before installation is to begin.

PLANT LIST					
QUAN	UNIT	KEY	BOTANICAL NAME	COMMON NAME	REMARKS
1100	sq	mw	multiberberis capillaris 'white cloud'	white cloud mahogany	8' o.c.
700	sq	pa	parthenoclematis slopedensis 'hamlet'	everest fountain grass	4' o.c.
800	sq	rk	rosa x 'double red knockout'	double red knockout rose	8' o.c.



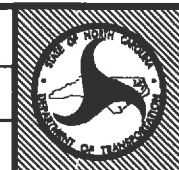
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557
 PH: 919-707-2920 FAX: 919-715-2554
http://www.ncdot.org/dohv/operations/dp_chief_eng/roadside/

Mecklenburg County
 I-77 and Freedom Drive
 project #: 3710.3.01

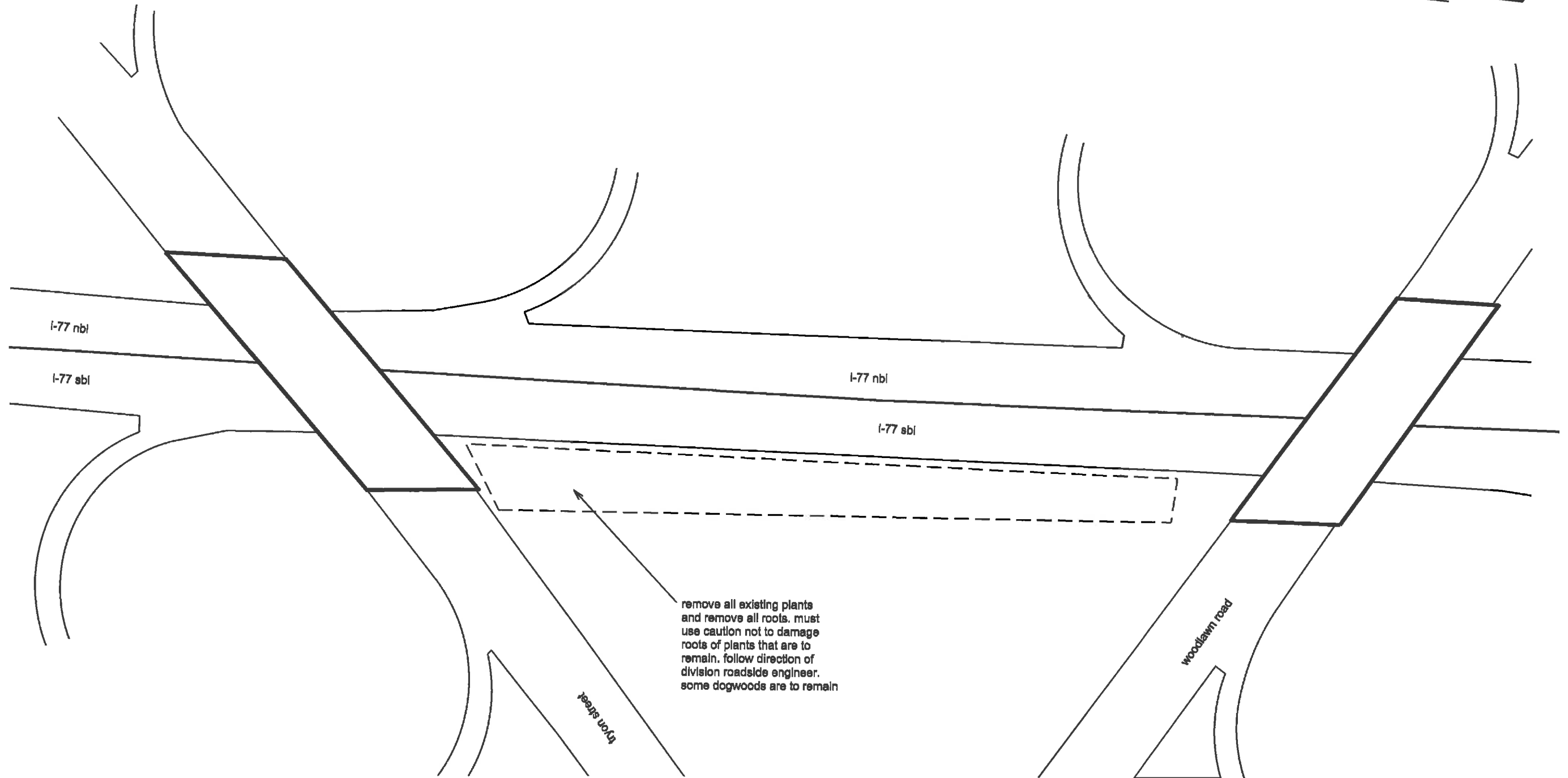
re: engineer
 B. Minter Sr.
 sheet description:

landscape plan
 enhancement planting

prel design date: 11 / 2012
 checked by & date: n. ring
 final design date: 01 / 2013



sheet no: L-9P
 total sheet no: 17



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/

Mecklenburg County
 I-77 - Tryon Street/Woodlawn
 project #: 3710.3.01

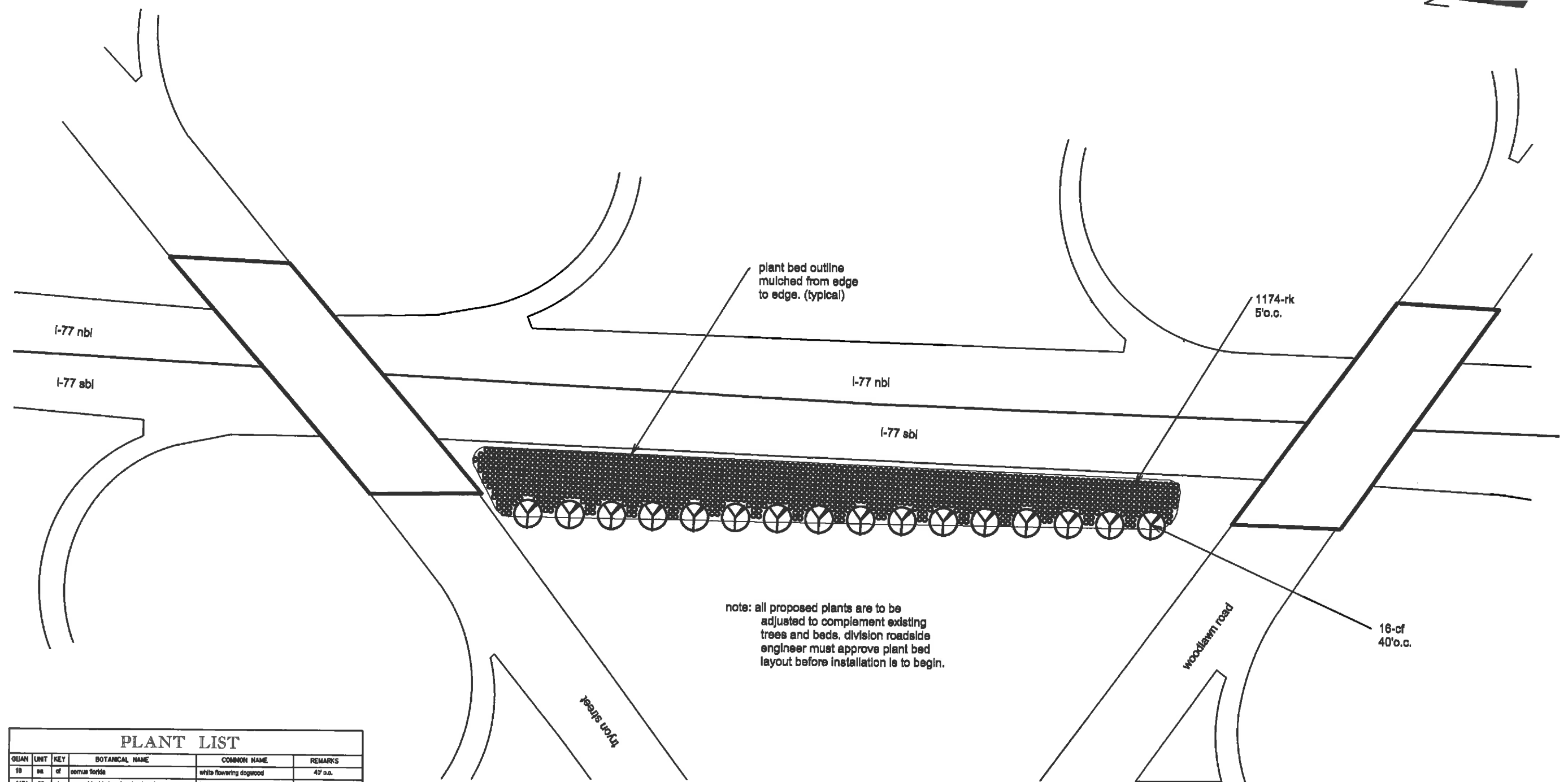
reu engineer:
B. Minter Sr.

demolition plan
enhancement planting

prel design date: 11 / 2012
 checked by & date: n. ring
 final design date: 01 / 2013



sheet no:
L-10
 total sheet no:
 17



PLANT LIST

QPLAN	UNIT	KEY	BOTANICAL NAME	COMMON NAME	REMARKS
1174	00	rk	cornus florida	white flowering dogwood	40' o.c.
1174	00	rk	rosa 'double knock-out redmax'	double red knock out rose	8' o.c.



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reu engineer:

 sheet description:

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