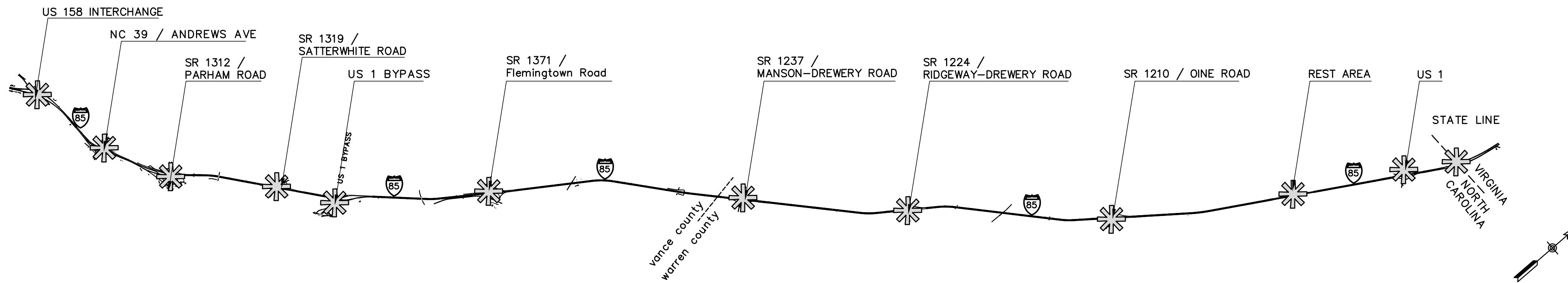
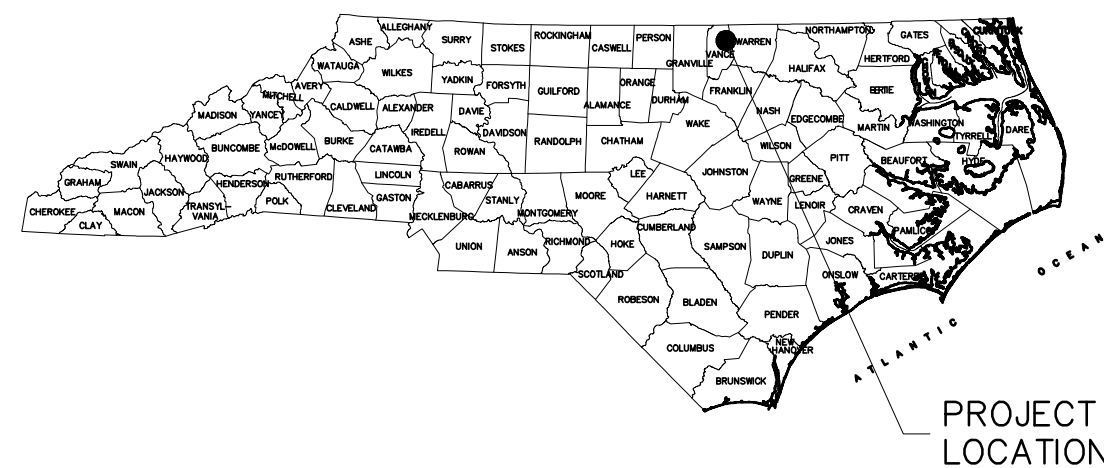


# PROPOSED HIGHWAY LANDSCAPE DEVELOPMENT PROJECT

PROJECT: I-85 VANCE / WARREN COUNTIES LANDSCAPE IMPROVEMENTS



project location (NTS)



PROJECT LOCATION

### PLANT SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	HEIGHT
AA	68	Acer freemanii 'Autumn Blaze' / Autumn Blaze Maple	B & B	2"Cal	10' min.
AG	15	Amelanchier x grandiflora 'Autumn Brilliance' / 'Autumn Brilliance' Serviceberry	25 gal	2"Cal	8' min.
CC	87	Cercis canadensis / Eastern Redbud	25 gal	2"Cal	8' min.
CF	105	Cercis canadensis 'Forest Pansy' TM / Forest Pansy Redbud	25 gal	2"Cal	8' min.
JE	20	Juniperus virginiana / Eastern Red Cedar	B & B		6' Min
LH	63	Liquidambar styraciflua 'Happdell' / Happidaze Sweet Gum	B & B	2"Cal	10' min.
PP	13	Pinus palustris / Longleaf Pine	B & B	3"Cal	
QF	9	Quercus falcata pagodifolia / Cherrybark Oak	B & B	4"Cal	
QP	80	Quercus palustris / Pin Oak	B & B	2"Cal	10' min.
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT	HEIGHT	
AR	54	Aronia arbutifolia / Red Chokeberry	5 gal	24" Min	
IV	16	Ilex vomitoria / Yaupon Holly	5 gal	24" Min	
IV2	27	Ilex vomitoria 'Nana' / Dwarf Yaupon	3 gal	18" Min	
MC	8	Myrica cerifera / Wax Myrtle	B & B	42" Min	
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT		
AT	149	Andropogon ternarius / Split Beard Bluestem	1 gal.		
AV	67,008	Andropogon virginicus / Broomsedge Bluestem	4" plug		

### MISCELLANEOUS

QTY	UNIT	SPEC SECTION	ITEM
13	EA	SP	Select Tree Removal
14.5	AC	SP	Selective undergrowth removal and cleanup
0.3	AC	SP	Clearing and grubbing (Remove all existing vegetation)
70,258	SY	SP	Post-emergent herbicide treatment (kill ex. vegetation in plant beds)
0.5	AC	1660	Seeding and Mulching (erosion control)
575	LF	1605	Temporary Silt Fence - Coir Logs
New Work			
12	EA	SP	Monthly Establishment (tree bed herbicide)
551.25	CY	1670	Double Shredded Hardwood Mulch for planting - 1 year establishment
233,964	SF	1670	Pine Straw Mulch for planting - 1 year establishment
233	M/G	1670	Watering (Initial planting and 1st year establishment)
18,572	SY	1670	Pre-emergent herbicide treatment - Initial install (all plant beds)
6.25	AC	SP	First Year Spring Seeding
6.25	AC	SP	First Year Fall 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	-----E-----
Easement Line	-----E-----
Slope Stake Line	-----
Exist. Fence	-----+-----
Prop. Woven Wire Fence	-----○-----
Prop. Chain Link Fence	-----□-----
Exist. Road	-----
Prop. Road	-----
Guardrail	-----T-----
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	-----SS-----
Water Line	-----
Gas Line	-----GAS-----
Picnic Shelter	-----
Selective Clearing	-----
Remove Vegetation	-----

### SHEET INDEX

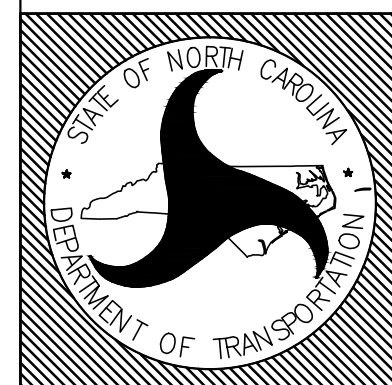
C001	COVER
L010	KEY PLANS & NOTES
L200-295	LANDSCAPE PLANS FOR EACH QUADRANT
L300	PLANTING DETAILS

PREPARED BY:  
Timmons Group  
5410 Trinity Road  
Ste. 102  
Raleigh, NC 27607

DATE: 07/01/21

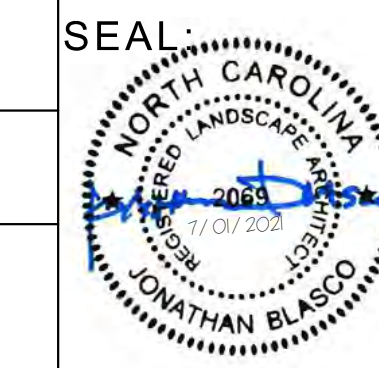
### REVISIONS

DATE	DESCRIPTION
7/01/21	BID SET



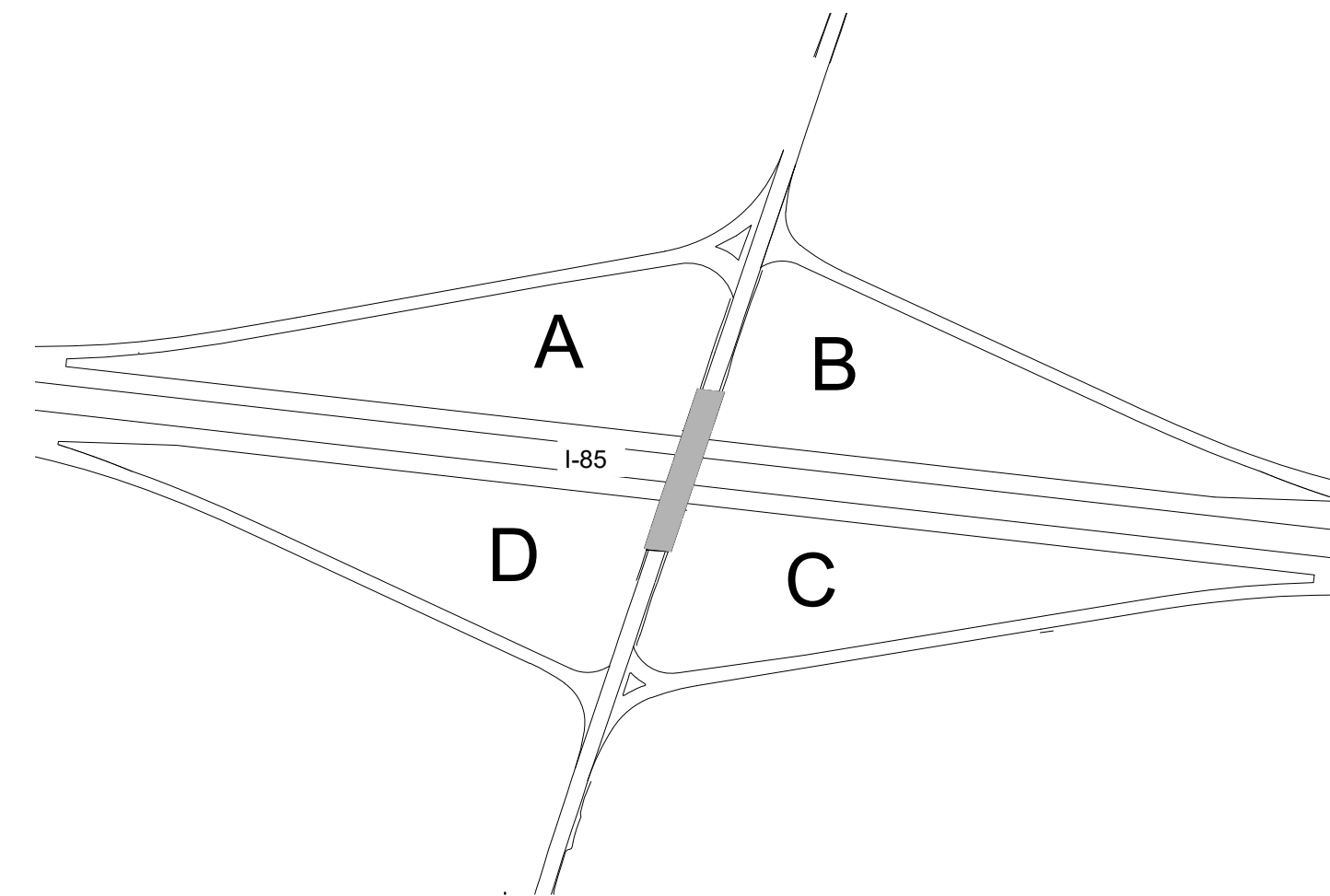
STATE OF  
**NORTH CAROLINA**  
DEPARTMENT OF TRANSPORTATION

LOCATION: I-85 CORRIDOR  
TYPE OF WORK: LANDSCAPE IMPROVEMENTS  
COUNTY: VANCE-WARREN COUNTIES



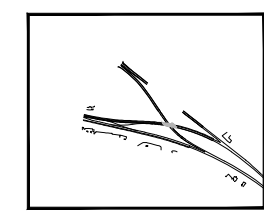
2014 AMERICAN STANDARD FOR NURSERY STOCK  
2018 NCDOT STANDARD SPECIFICATIONS  
PREPARED IN THE OFFICE OF:  
NCDOT- ROADSIDE ENVIRONMENTAL UNIT  
LANDSCAPE DESIGN & DEVELOPMENT SECTION  
1557 MAIL SERVICE CENTER  
RALEIGH NC 27699 919-707-2935



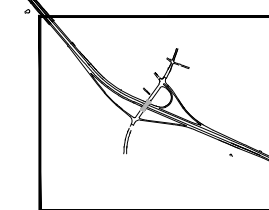


QUADRANT KEY PLAN (NTS)

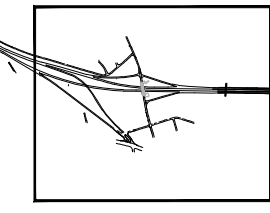
US 158 Interchange  
SHEET L100



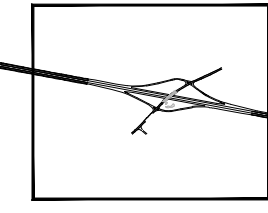
NC 39 /  
Andrews Avenue;  
SHEETS L200-L203



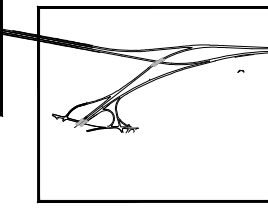
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(US 158)  
SHEETS L210-L212



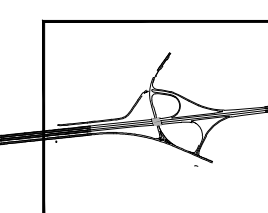
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SHEETS L220-L224



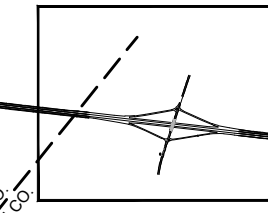
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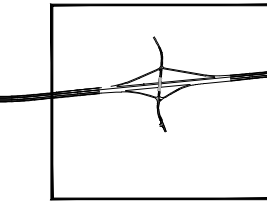
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SHEETS L240-L243



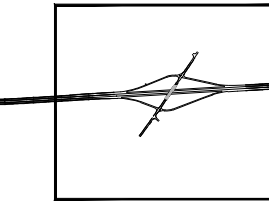
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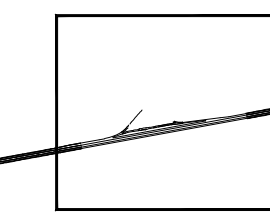
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Ridgeway-Drewery;  
SHEETS L260-L262



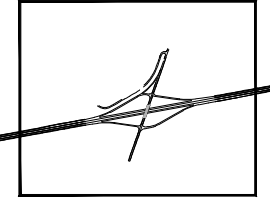
SR 1210 /  
Oine Road;  
SHEETS L270-L274



Rest Area;  
SHEETS L280-L281



US 1;  
SHEETS  
L290-L294

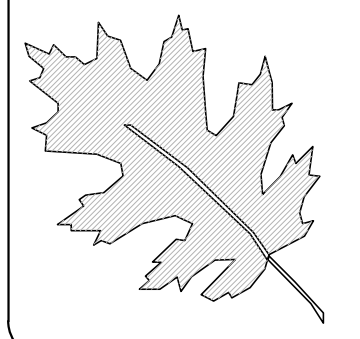


I-85 KEY PLAN (NTS)



**GENERAL PLANTING NOTES:**

1. All plant materials to comply with American Standard for Nursery Stock ANSI.Z60.
2. Substitutions of plant materials specified can only occur with prior approval by Landscape Architect and/or Engineer.
3. Contractor to protect existing drainage structures throughout construction. Any damage to drainage structures shall be repaired in kind by contractor at no additional cost to the Owner.
4. Contractor shall locate all utilities prior to construction. All utilities shall be protected throughout construction and any damage that may occur shall be repaired in kind by the contractor with no additional cost to the Owner.
5. No plant shall be installed closer than 10' to the back of guardrail, or edge of pavement if no guardrail is present.
6. Install all plant materials as defined by details.
7. All trees to be installed before March 30 or after October 15.
8. All planted areas to be mulched per plans and specifications.
9. All trees shall be in a uniform bed of mulch with the bed edge no less than 5' from the trunk of the tree.
10. Contractor to warranty plant materials for a two year period following substantial completion.
11. Contractor to establish and maintain plant material per specifications.
12. Areas damaged by activities of contractor shall be re-established to pre-disturbance condition at no additional cost to the owner.
13. Contractor shall ensure that all plant material is free of fire ants prior to installation.
14. Locations of plants and plant beds to be flagged by contractor and verified in the field by Landscape Architect, Engineer and/or Owner prior to installation.
15. Limits of removal of existing vegetation to be approved in field by Landscape Architect, Engineer and/or Owner prior to any work.
16. Contractor to identify staging areas in each quadrant. Landscape Architect/Engineer and/or Owner to approve locations prior to construction.
17. Areas disturbed that are not noted for plant beds are to be seeded and strawed per specifications.
18. Plant material not noted for removal shall be protected throughout construction.
19. Use herbicides, pesticides, and fertilizer in a manner consistent with the federal insecticide, fungicide, and rodenticide act, NCDOT standards and specifications, and in accordance with label restrictions.



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/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

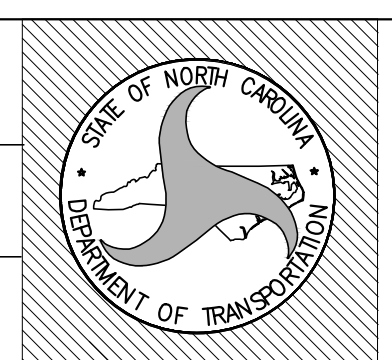
185 LANDSCAPE IMPROVEMENTS  
PROJECT #: 1-0914BA

LANDSCAPE ARCHITECT :



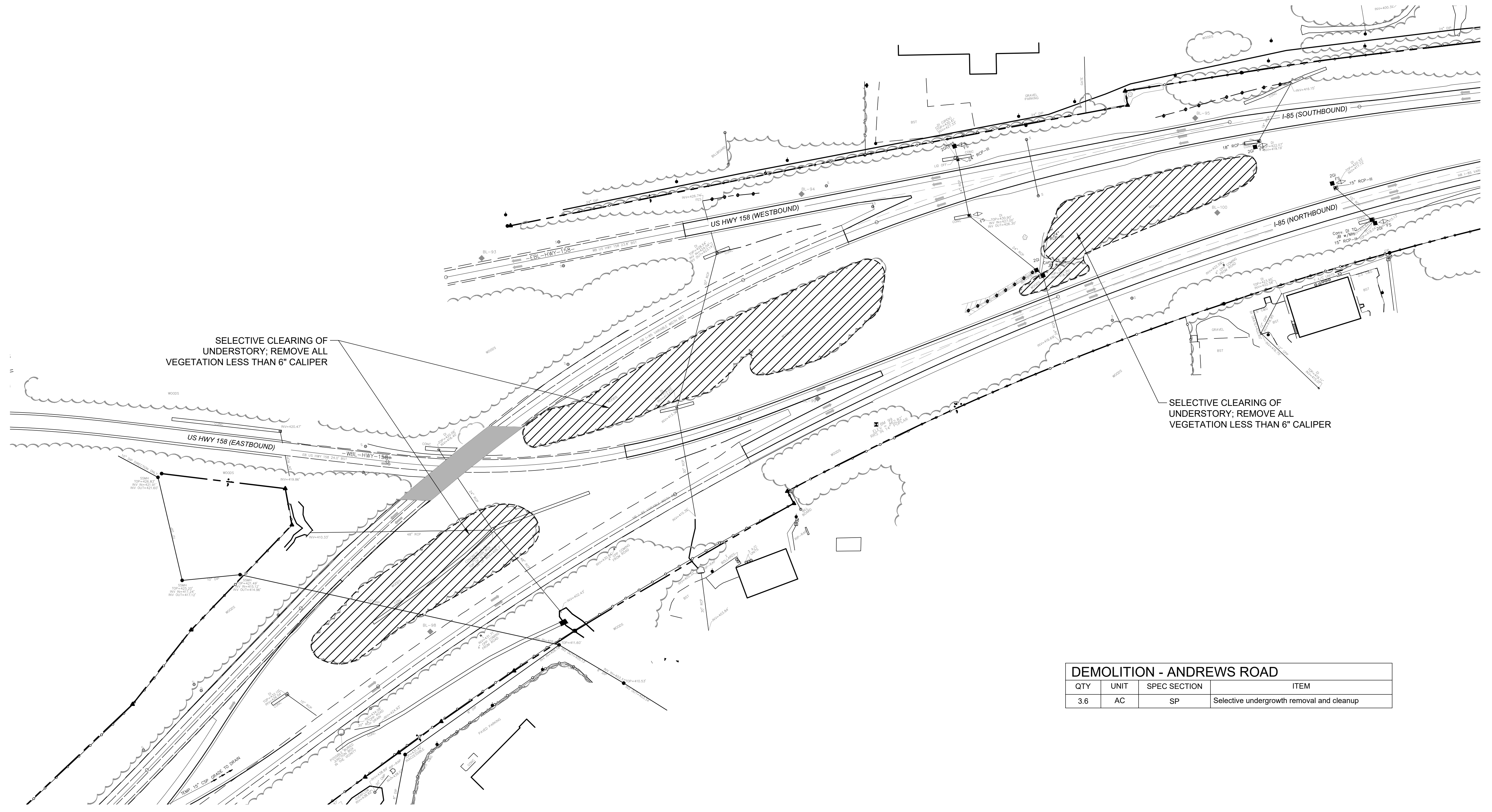
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PREL DESIGN DATE: 12.21.2018
CHECKED BY & DATE : JAB / 07.01.2021
FINAL DESIGN DATE : 07.01.2021



SHEET NO:  
**L010**  
TOTAL NUMBER OF SHEETS: 49

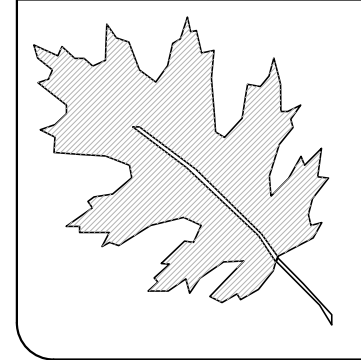
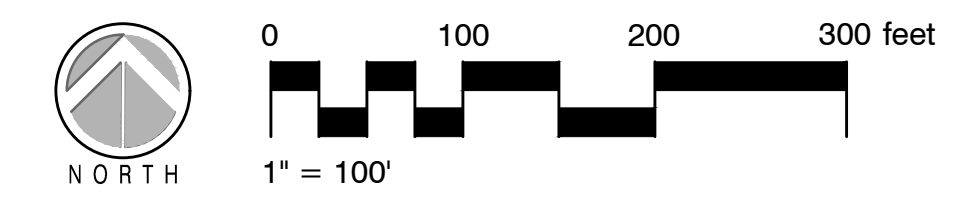




SELECTIVE CLEARING OF UNDERSTORY; REMOVE ALL VEGETATION LESS THAN 6" CALIPER

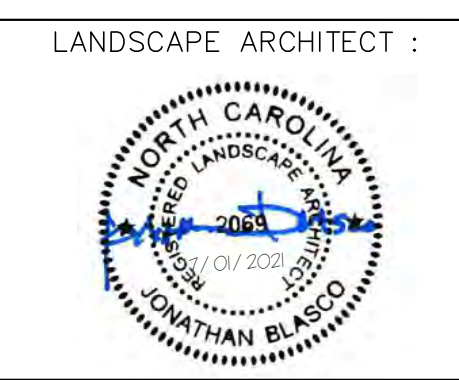
SELECTIVE CLEARING OF UNDERSTORY; REMOVE ALL VEGETATION LESS THAN 6" CALIPER

DEMOLITION - ANDREWS ROAD			
QTY	UNIT	SPEC SECTION	ITEM
3.6	AC	SP	Selective undergrowth removal and cleanup



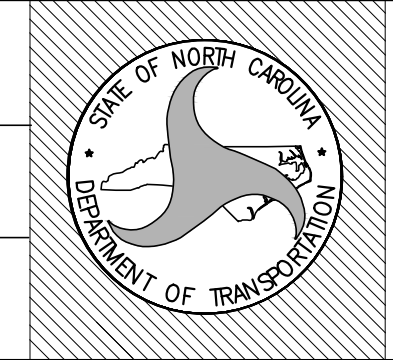
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



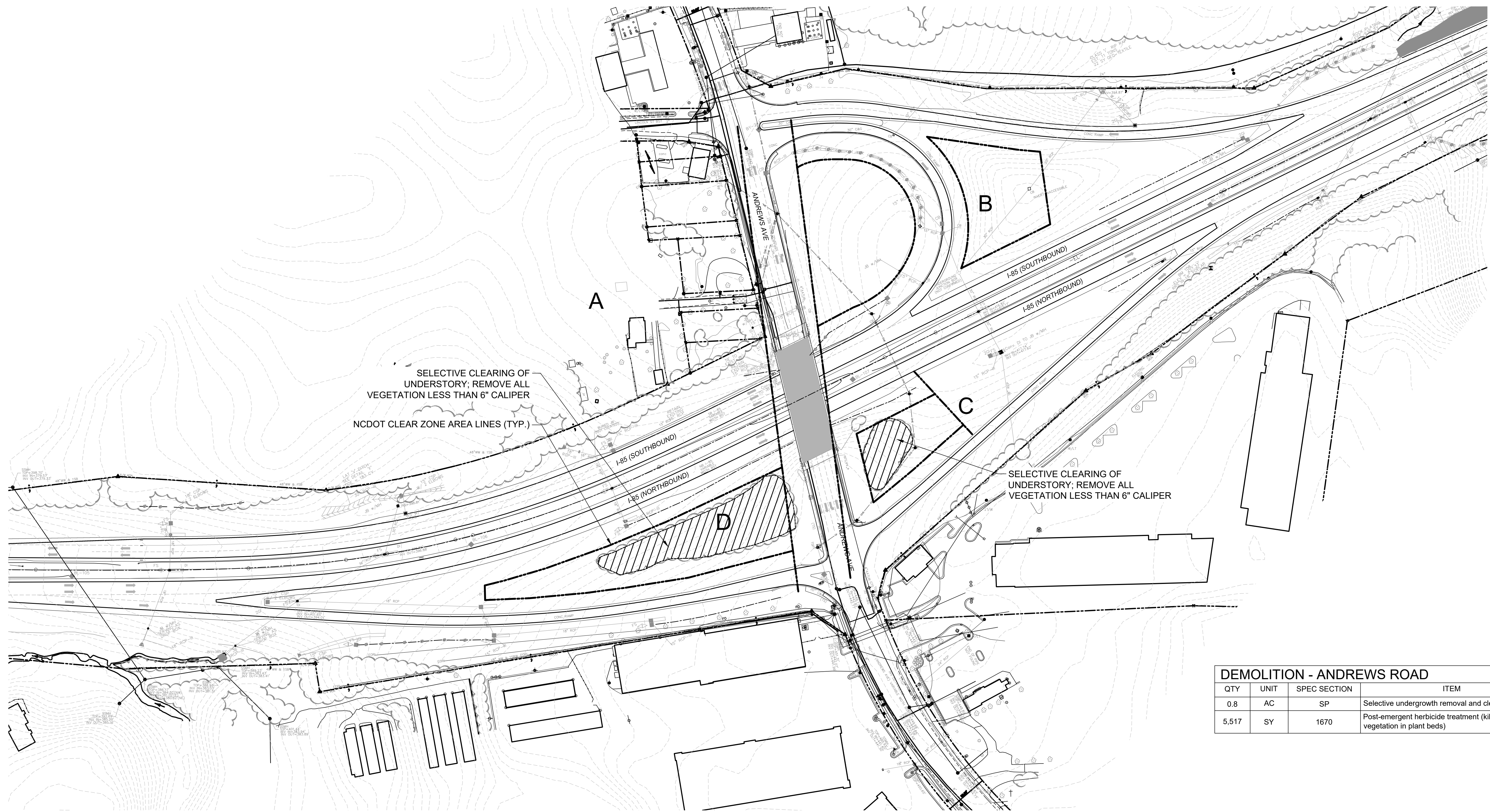
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 US 158 Interchange

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021

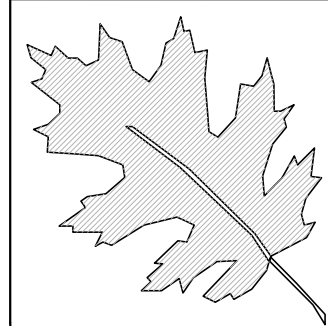
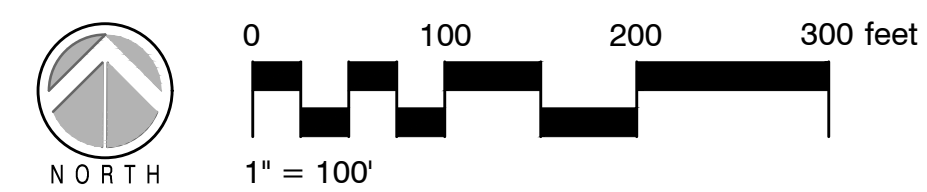


SHEET NO:  
 L100  
 TOTAL NUMBER OF SHEETS: 49





DEMOLITION - ANDREWS ROAD			
QTY	UNIT	SPEC SECTION	ITEM
0.8	AC	SP	Selective undergrowth removal and cleanup
5,517	SY	1670	Post-emergent herbicide treatment (kill ex. vegetation in plant beds)



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 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/)

185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA

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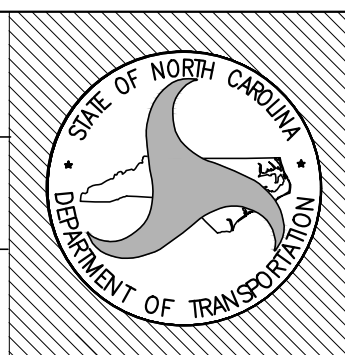
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 NC 39 / ANDREWS AVE  
 EXIT 214

PREL DESIGN DATE:  
12.21.2018

CHECKED BY & DATE :  
JAB / 07.01.2021

FINAL DESIGN DATE :  
07.01.2021



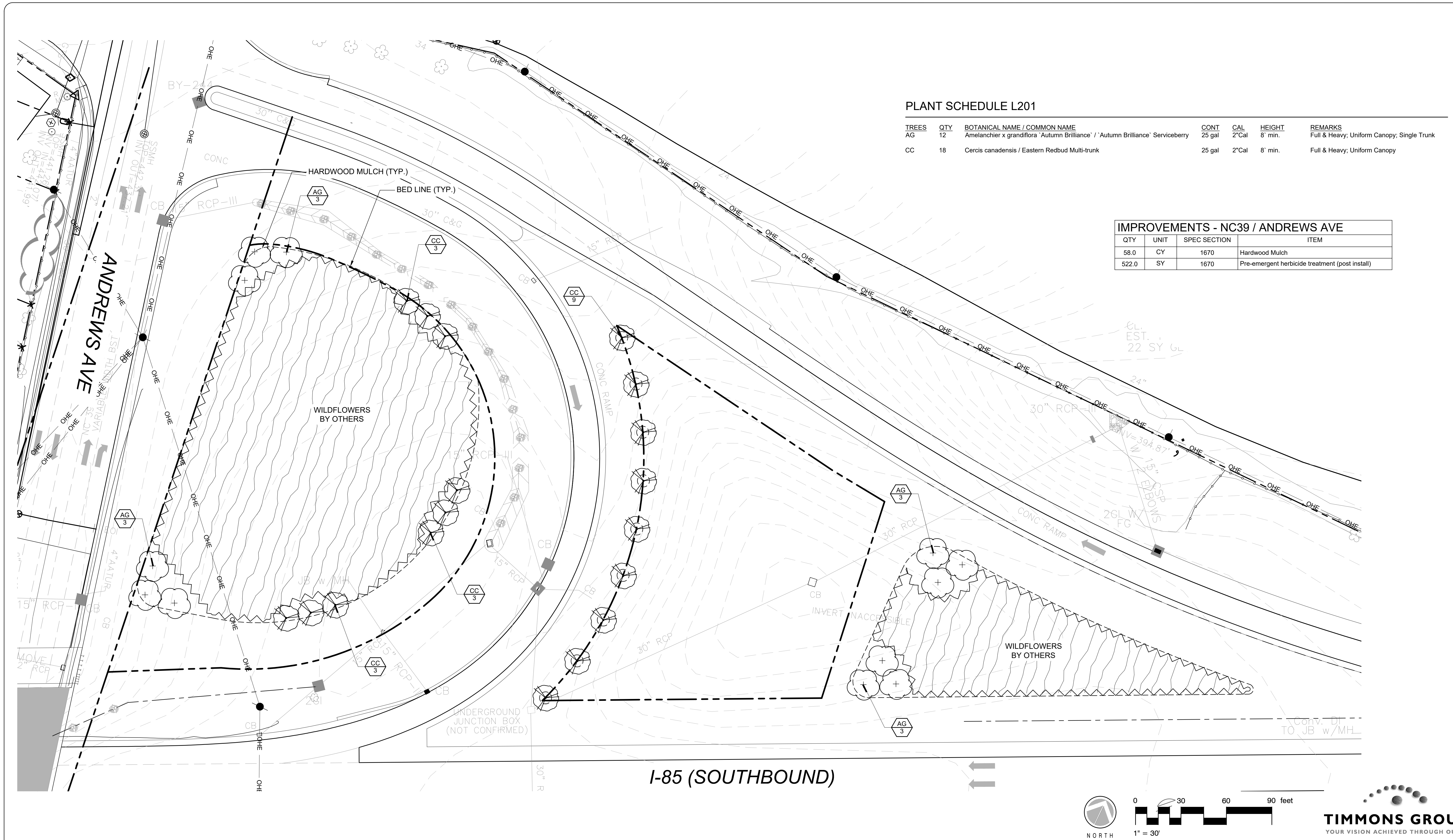
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L200

TOTAL NUMBER OF SHEETS: 49

BID SET DRAWINGS





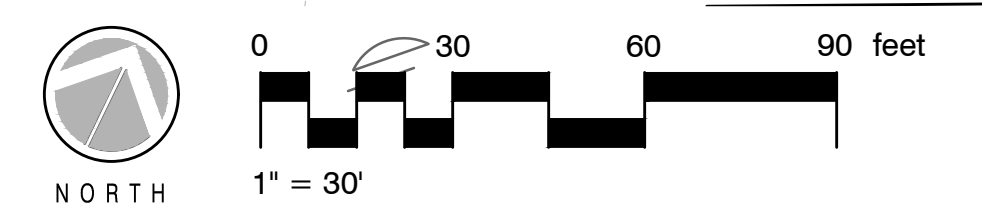
**PLANT SCHEDULE L201**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
AG	12	Amelanchier x grandiflora 'Autumn Brilliance' / 'Autumn Brilliance' Serviceberry	25 gal	2"Cal	8' min.	Full & Heavy; Uniform Canopy; Single Trunk
CC	18	Cercis canadensis / Eastern Redbud Multi-trunk	25 gal	2"Cal	8' min.	Full & Heavy; Uniform Canopy

**IMPROVEMENTS - NC39 / ANDREWS AVE**

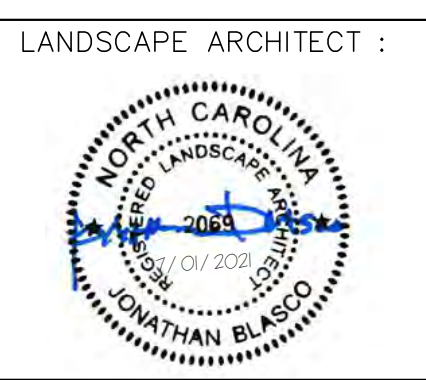
QTY	UNIT	SPEC SECTION	ITEM
58.0	CY	1670	Hardwood Mulch
522.0	SY	1670	Pre-emergent herbicide treatment (post install)

**I-85 (SOUTHBOUND)**



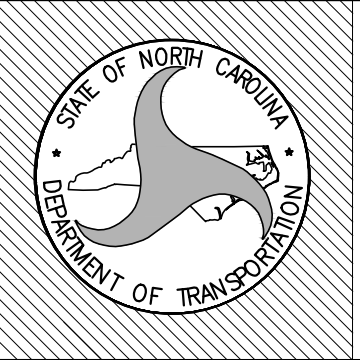
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



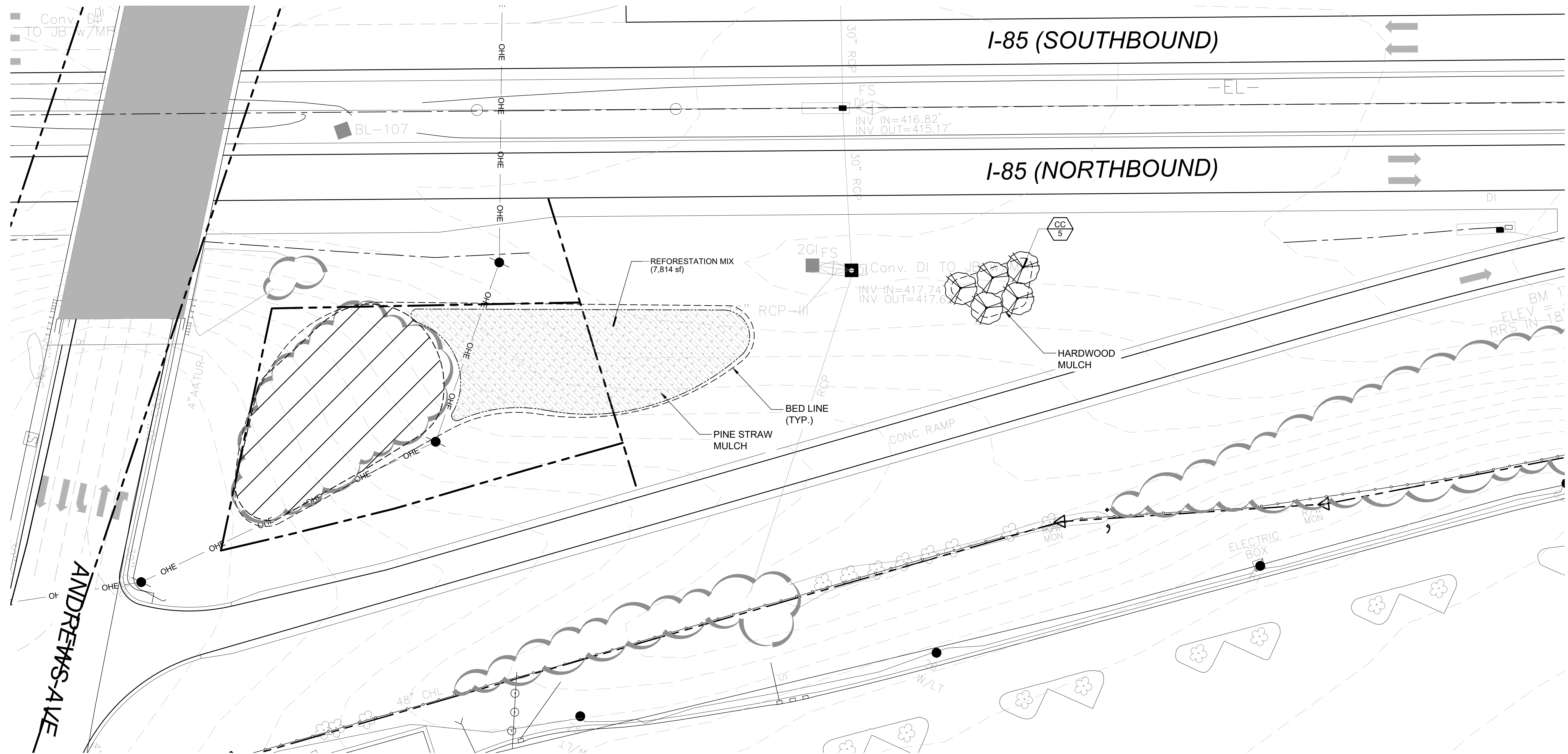
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 PLANTING PLAN  
 NC 39 / ANDREWS AVE  
 QUADRANT B

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE:  
 JAB / 07.01.2021  
 FINAL DESIGN DATE:  
 07.01.2021



SHEET NO:  
**L201**  
 TOTAL NUMBER OF SHEETS: 49





**PLANT SCHEDULE L202**

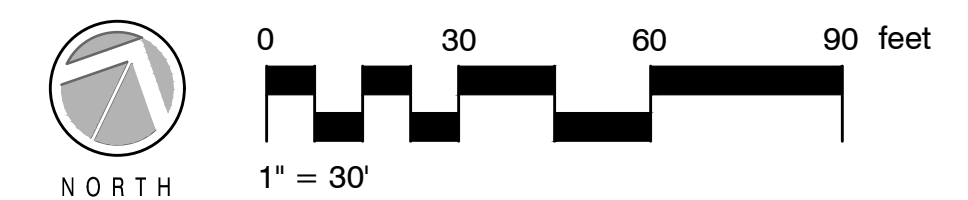
TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	HEIGHT
CC	5	Cercis canadensis / Eastern Redbud	25 gal	2" Cal	8' min.

**CONCEPT PLANT SCHEDULE L202**

REFORESTATION MIX	7,814 sf
Acer rubrum 'Autumn Blaze' / Autumn Blaze Red Maple	8 2" cal 20% @ 180" oc
Liquidambar styraciflua / American Sweet Gum	8 2" cal 20% @ 180" oc
Liriodendron tulipifera / Tulip Tree	8 2" cal 20% @ 180" oc
Pinus taeda / Loblolly Pine	15 10# 40% @ 180" oc

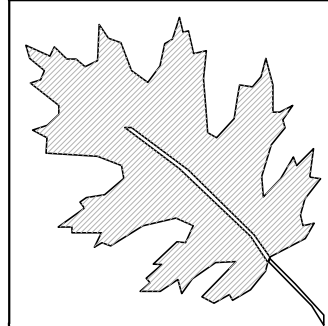
**SEEDING NOTES:**

- All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.



**IMPROVEMENTS - NC39 / ANDREWS AVE**

QTY	UNIT	SPEC SECTION	ITEM
11.0	CY	1670	Hardwood Mulch
7815.0	SF	1670	Pine Straw Mulch (Reforested Areas)
1,039	SY	1670	Pre-emergent herbicide treatment (post install)



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/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

**I85 LANDSCAPE IMPROVEMENTS**

PROJECT #: I-0914BA

LANDSCAPE ARCHITECT :



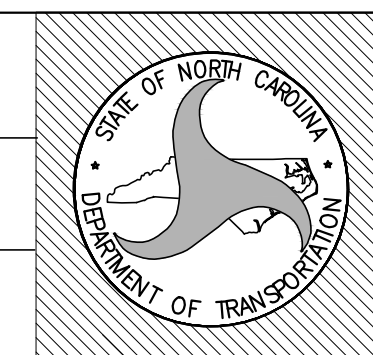
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PLANTING PLAN  
NC 39 / ANDREWS AVE  
QUADRANT C

PREL DESIGN DATE:  
12.21.2018

CHECKED BY & DATE :  
JAB / 07.01.2021

FINAL DESIGN DATE :  
07.01.2021



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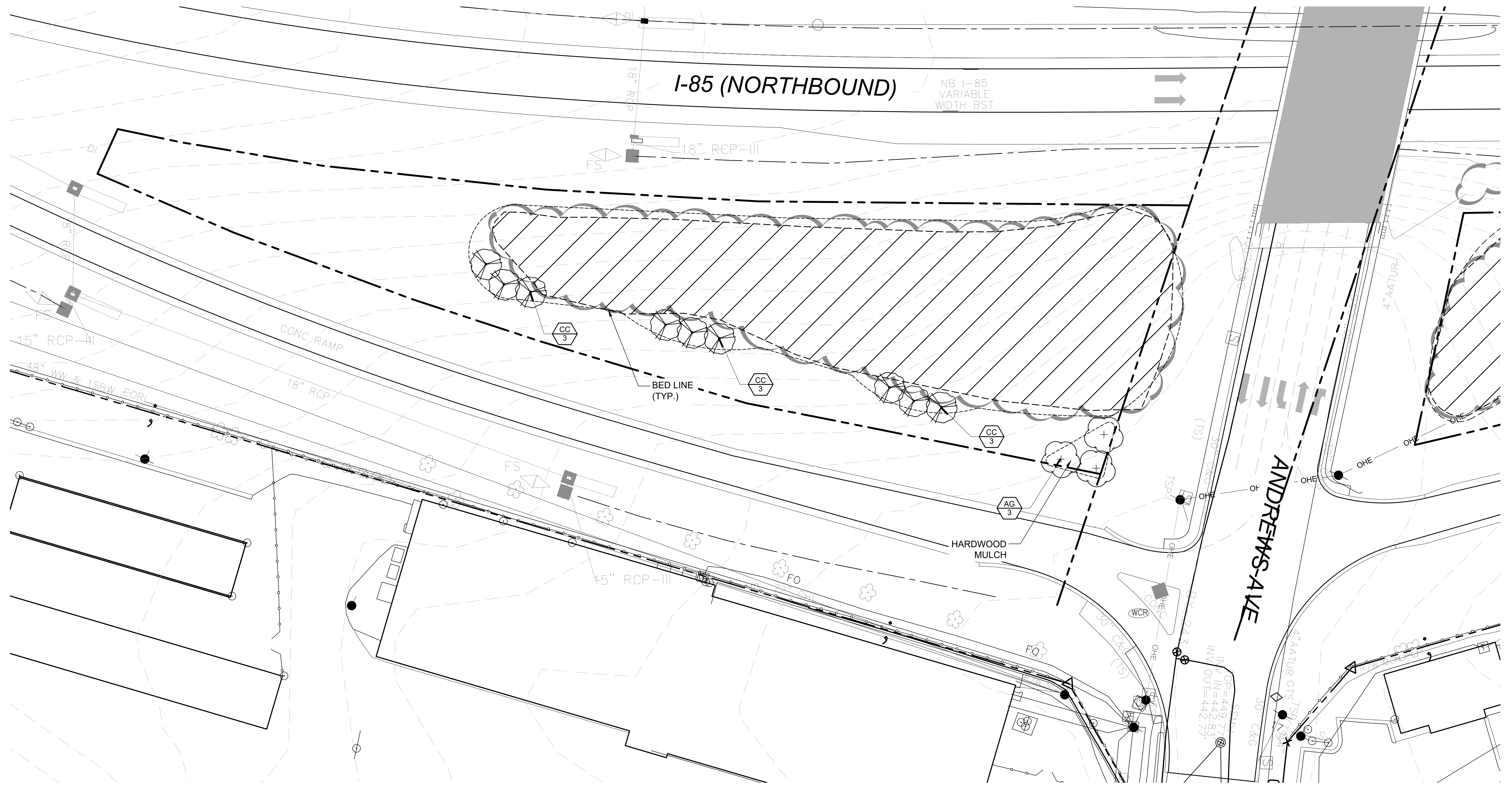
**L202**

TOTAL NUMBER OF SHEETS: 49

BID SET DRAWINGS







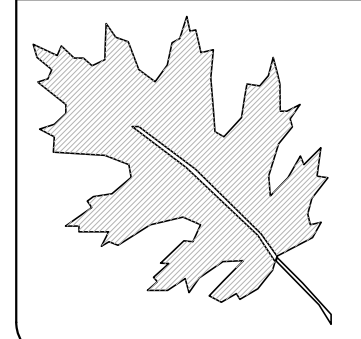
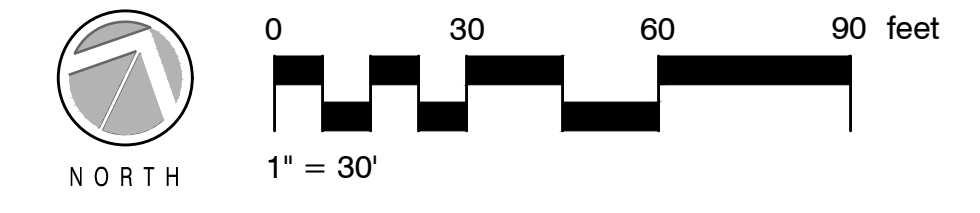
IMPROVEMENTS - NC39 / ANDREWS AVE			
QTY	UNIT	SPEC SECTION	ITEM
29	CY	1670	Hardwood Mulch
259	SY	1670	Pre-emergent herbicide treatment (post install)

**PLANT SCHEDULE L203**

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	HEIGHT
AG	3	Amelanchier x grandiflora 'Autumn Brilliance' / 'Autumn Brilliance' Serviceberry	25 gal	2"Cal	8' min.
CC	9	Cercis canadensis / Eastern Redbud	25 gal	2"Cal	8' min.

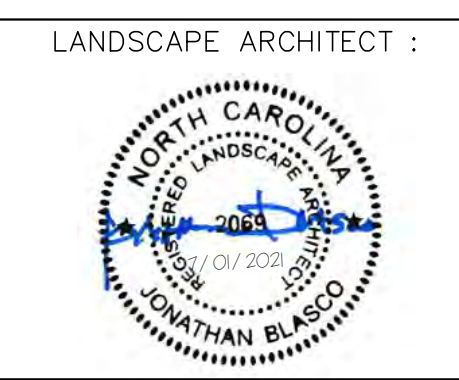
**SEEDING NOTES:**

- All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.



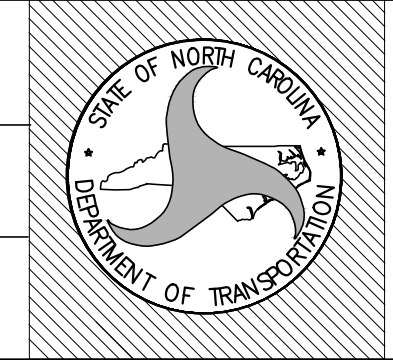
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
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185 LANDSCAPE  
 IMPROVEMENTS  
 PROJECT #: I-0914BA



LANDSCAPE ARCHITECT :  
 SHEET DESCRIPTION:  
 PLANTING PLAN  
 NC 39 / ANDREWS AVE  
 QUADRANT D

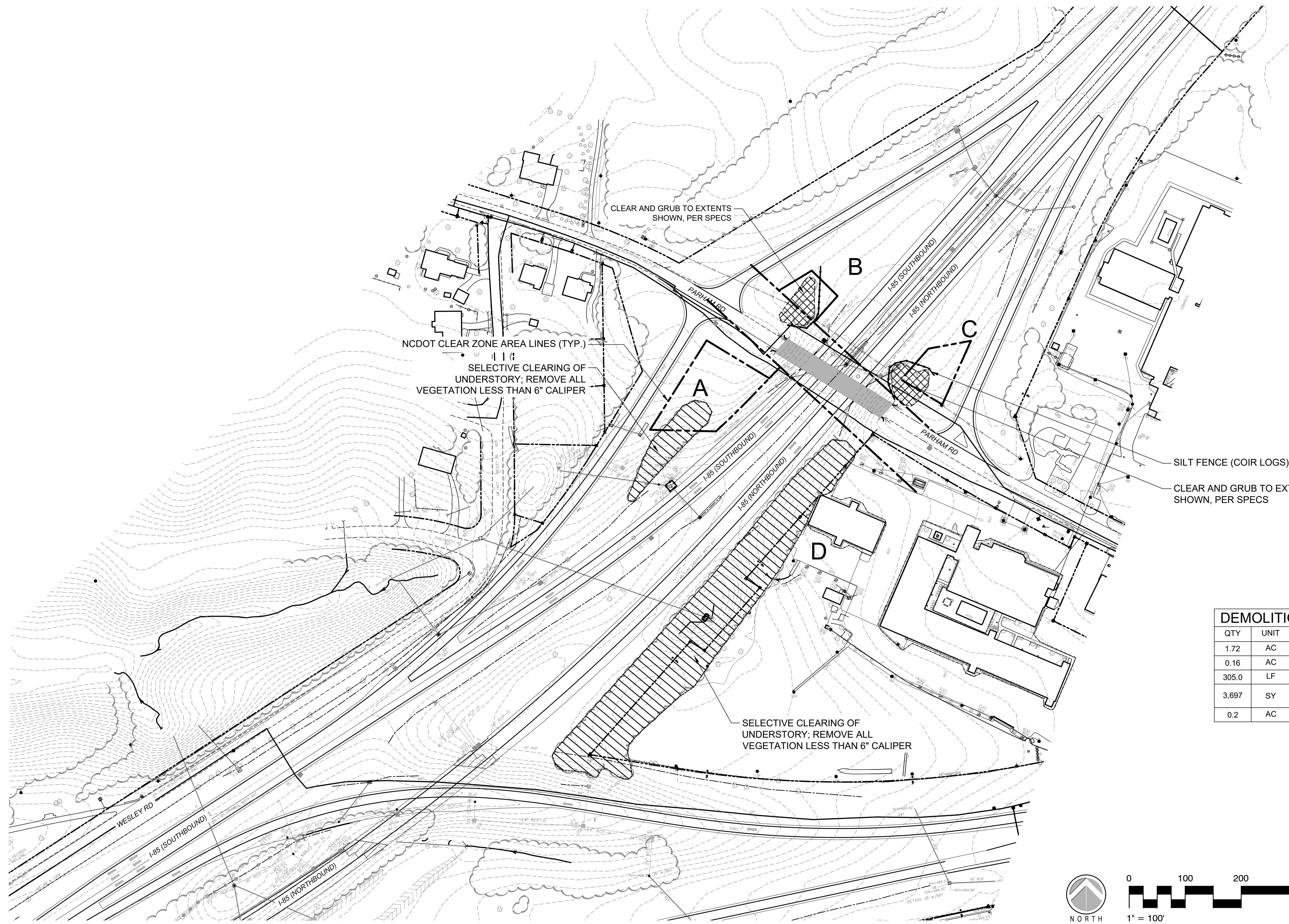
PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



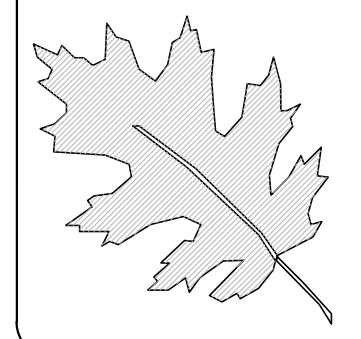
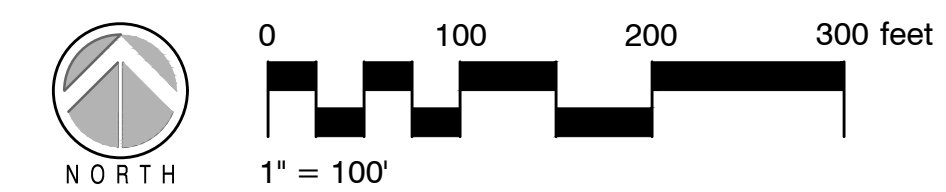
SHEET NO:  
**L203**  
 TOTAL NUMBER OF SHEETS: 49





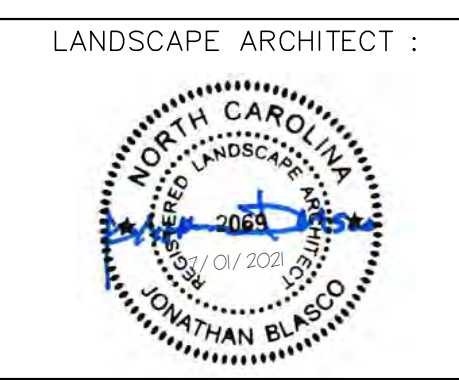


DEMOLITION - SR1312 / PARNHAM ROAD			
QTY	UNIT	SPEC SECTION	ITEM
1.72	AC	SP	Selective undergrowth removal and cleanup
0.16	AC	200	Clearing and grubbing
305.0	LF	1605	Temporary Silt Fence - Coir Logs
3,697	SY	1670	Post-emergent herbicide treatment (kill ex. vegetation in plant beds)
0.2	AC	1660	Seeding and Mulching



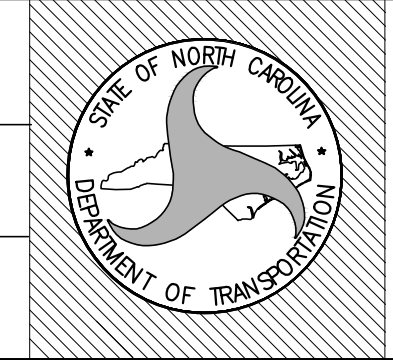
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
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185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



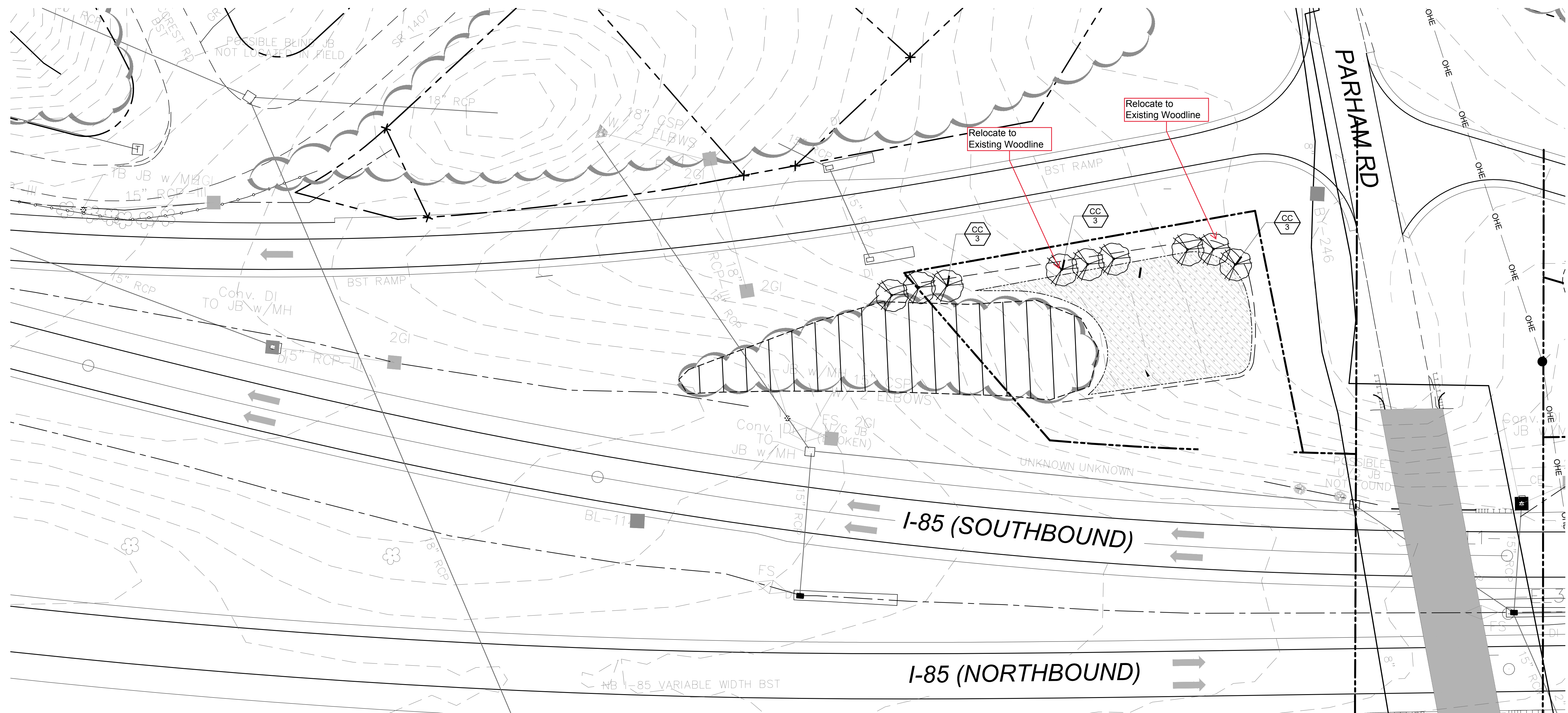
LANDSCAPE ARCHITECT :  
 SHEET DESCRIPTION:  
 DEMOLITION PLAN  
 SR 1312 / PARNHAM RD  
 EXIT 215

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:  
 L210  
 TOTAL NUMBER OF SHEETS: 49





**PLANT SCHEDULE L211**

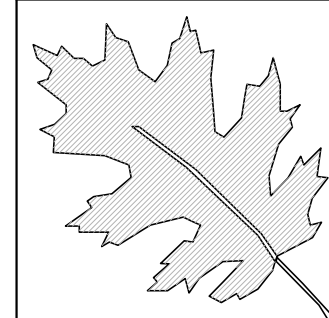
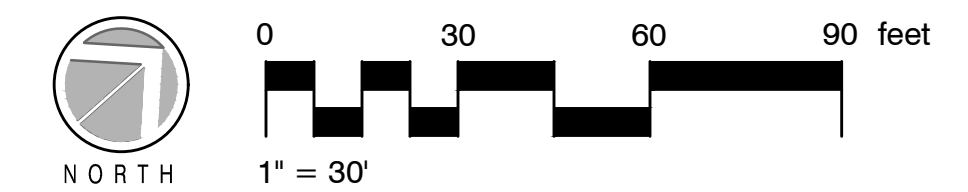
TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
CC	9	Cercis canadensis / Eastern Redbud Multi-trunk	B & B	2\"/>		

**SEEDING NOTES:**

- All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.

**IMPROVEMENTS - NC39 / ANDREWS AVE**

QTY	UNIT	SPEC SECTION	ITEM
6,589	SF	1670	Pine Straw Mulch (Reforested Areas)
802	SY	1670	Pre-emergent herbicide treatment (post install)



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185 LANDSCAPE  
 IMPROVEMENTS

PROJECT #: I-0914BA

LANDSCAPE ARCHITECT :



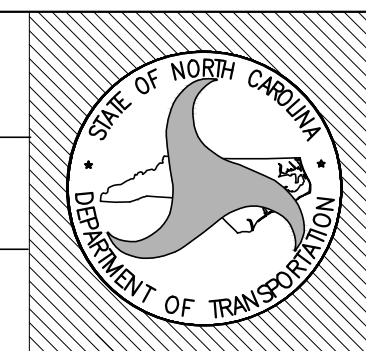
SHEET DESCRIPTION:

PLANTING PLAN  
 SR 1312 / PARNHAM RD  
 QUADRANT A

PREL DESIGN DATE:  
 12.21.2018

CHECKED BY & DATE :  
 JAB / 07.01.2021

FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:

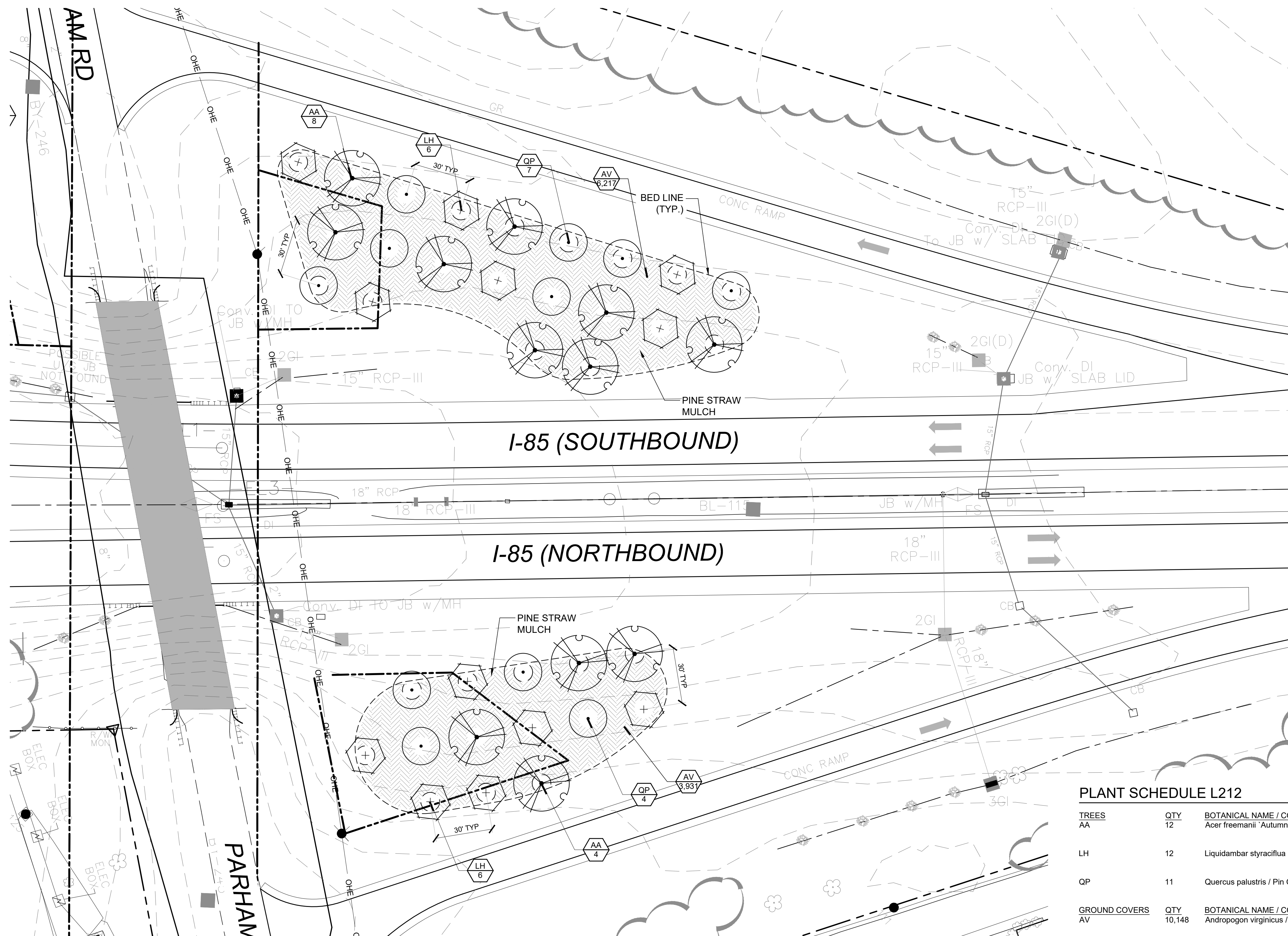
L211

TOTAL NUMBER OF SHEETS: 49

BID SET DRAWINGS







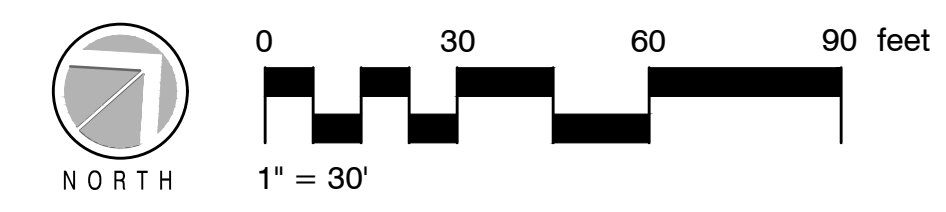
**SEEDING NOTES:**

- All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.

IMPROVEMENTS - NC39 / ANDREWS AVE			
QTY	UNIT	SPEC SECTION	ITEM
24,534	SF	1670	Pine Straw Mulch (Reforested Areas)

**PLANT SCHEDULE L212**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
AA	12	Acer freemanii 'Autumn Blaze' / Autumn Blaze Maple	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader, Uniform Canopy
LH	12	Liquidambar styraciflua 'Happdell' / Happidaze Sweet Gum	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader; Uniform Canopy
QP	11	Quercus palustris / Pin Oak	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader, Uniform Canopy
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	CONT	SPACING	REMARKS	
AV	10,148	Andropogon virginicus / Broomsedge Bluestem	4" plug	18" o.c.	Full & Heavy	



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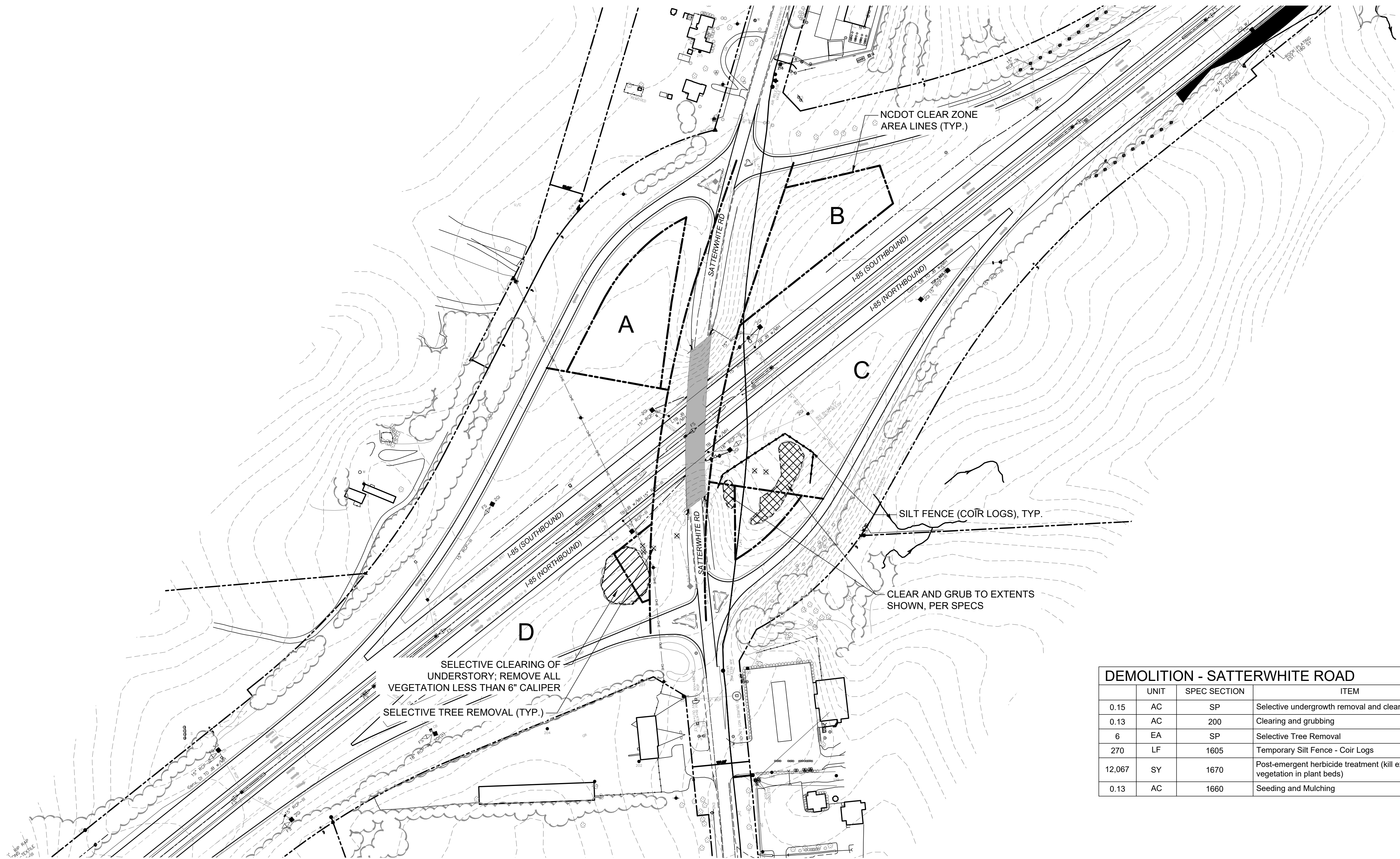
LANDSCAPE ARCHITECT :  
**185 LANDSCAPE IMPROVEMENTS**  
 PROJECT #: 1-0914BA

SHEET DESCRIPTION:  
**PLANTING PLAN**  
 SR 1312 / PARNHAM RD  
 QUADRANT B, C

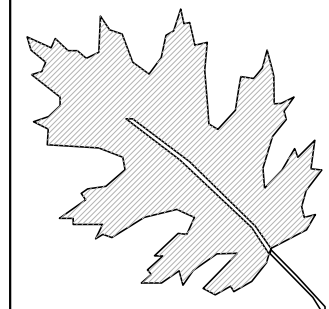
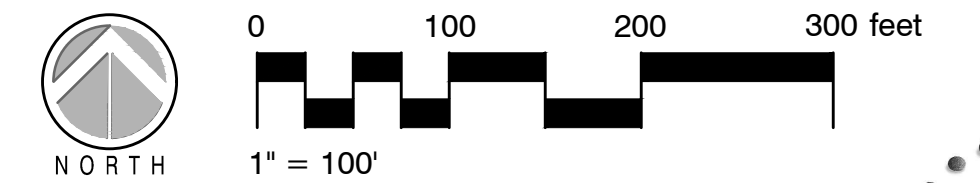
PREL DESIGN DATE:  
12.21.2018  
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 FINAL DESIGN DATE :  
07.01.2021

SHEET NO:  
**L212**  
 TOTAL NUMBER OF SHEETS: 49





DEMOLITION - SATTERWHITE ROAD			
UNIT	SPEC SECTION	ITEM	
0.15	AC	SP	Selective undergrowth removal and cleanup
0.13	AC	200	Clearing and grubbing
6	EA	SP	Selective Tree Removal
270	LF	1605	Temporary Silt Fence - Coir Logs
12.067	SY	1670	Post-emergent herbicide treatment (kill ex. vegetation in plant beds)
0.13	AC	1660	Seeding and Mulching



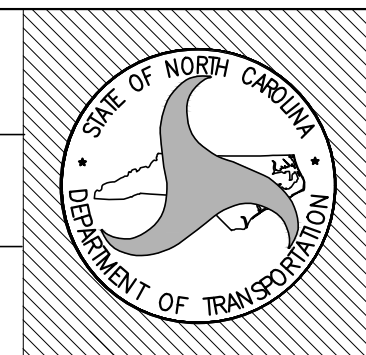
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 PROJECT #: I-0914BA



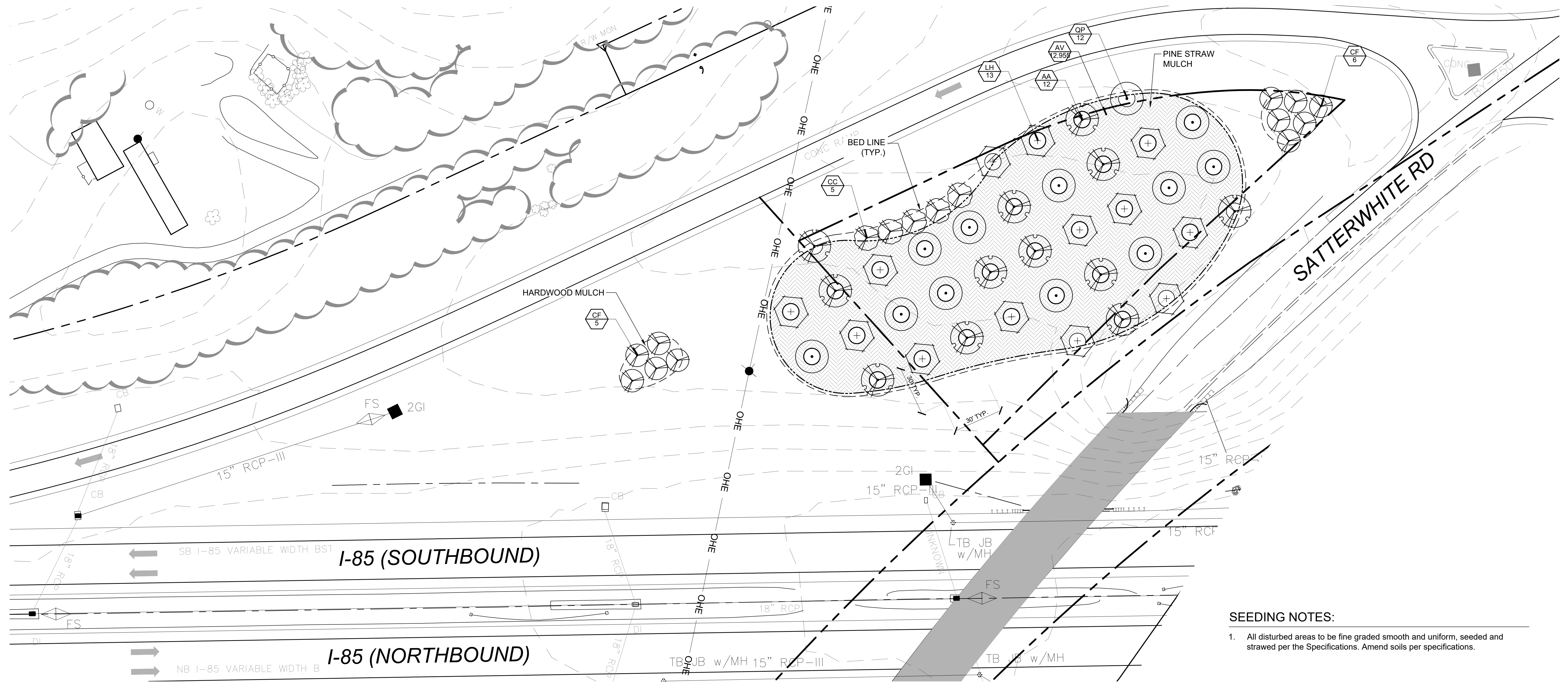
SHEET DESCRIPTION:  
 DEMOLITION PLAN  
 SR 1319 / SATTERWHITE RD  
 EXIT 217

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:  
 L220  
 TOTAL NUMBER OF SHEETS: 49





**SEEDING NOTES:**

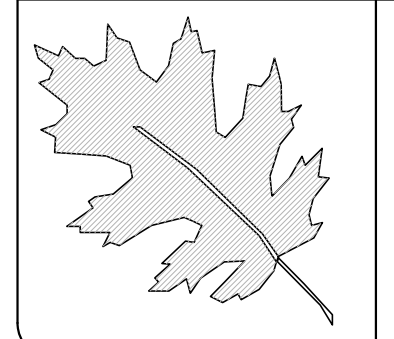
- All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.

**PLANT SCHEDULE L221**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
AA	12	Acer freemanii 'Autumn Blaze' / Autumn Blaze Maple	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader, Uniform Canopy
CC	5	Cercis canadensis / Eastern Redbud Multi-trunk	B & B	2"Cal	8' min.	Full & Heavy; Uniform Canopy
CF	11	Cercis canadensis 'Forest Pansy' TM / Forest Pansy Redbud	B & B	2"Cal	8' min.	Full & Heavy; Single Straight Leader
LH	13	Liquidambar styraciflua 'Happdell' / Happidaze Sweet Gum	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader; Uniform Canopy
QP	12	Quercus palustris / Pin Oak	B & B	2"Cal	10' min.	Full & Heavy, Single Straight Leader, Uniform Canopy
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	CONT	SPACING	REMARKS	
AV	12,955	Andropogon virginicus / Broomsedge Bluestem	4" plug	18" o.c.	Full & Heavy	

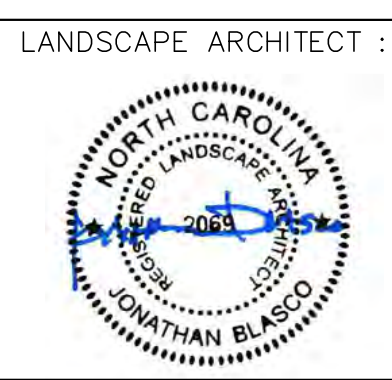
**IMPROVEMENTS - SR1319 / SATTERWHITE**

	UNIT	SPEC SECTION	ITEM
23	CY	1670	Hardwood Mulch
31,716	SF	1670	Pine Straw Mulch (Reforested Areas)
206	SY	1670	Pre-emergent herbicide treatment (post install)



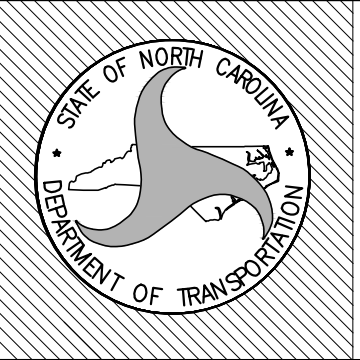
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LANDSCAPE ARCHITECT :  
**185 LANDSCAPE IMPROVEMENTS**  
 PROJECT #: 1-0914BA



SHEET DESCRIPTION:  
**PLANTING PLAN**  
**SR 1319 / SATTERWHITE RD**  
**QUADRANT A**

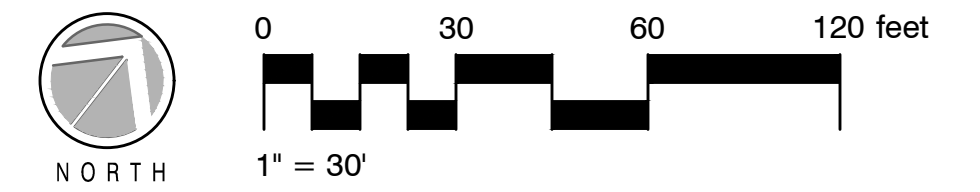
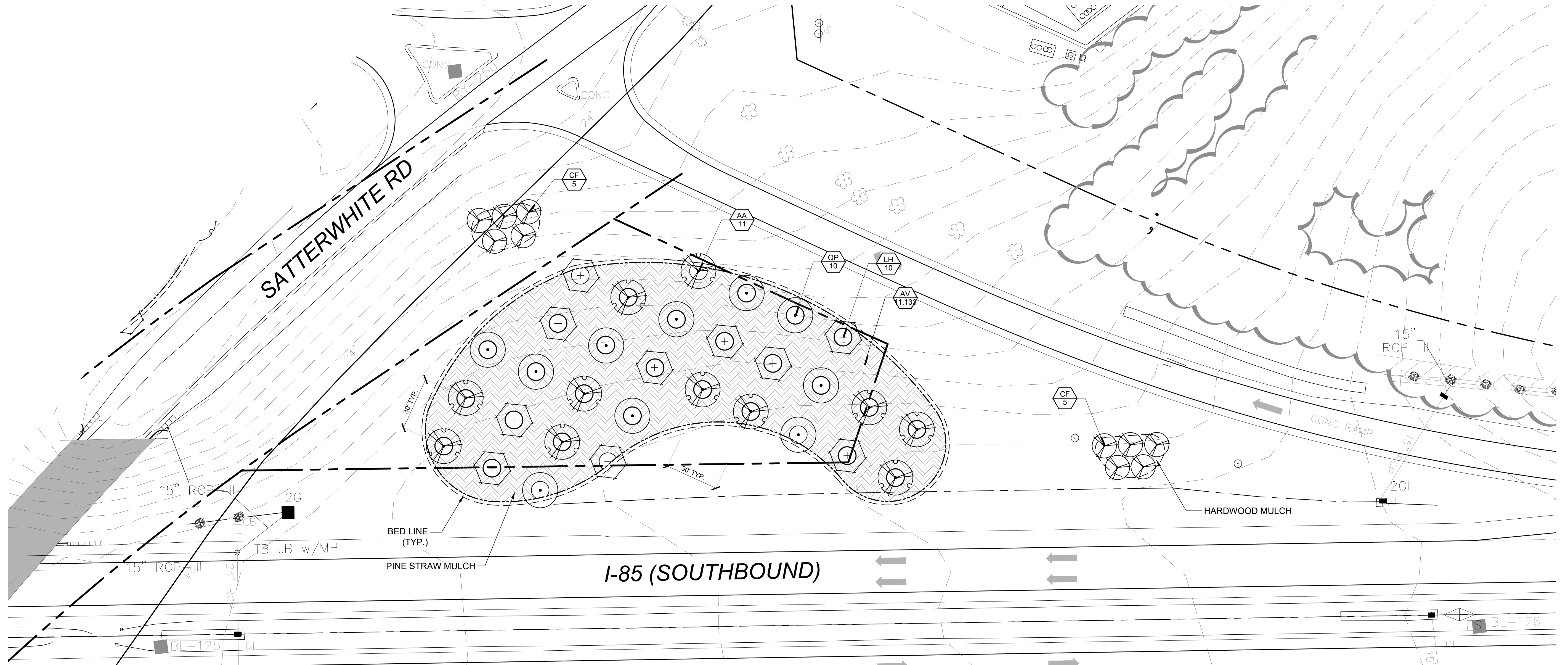
PREL DESIGN DATE:  
12.21.2018  
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 FINAL DESIGN DATE :  
07.01.2021



SHEET NO:  
**L221**  
 TOTAL NUMBER OF SHEETS: 49







**PLANT SCHEDULE L222**

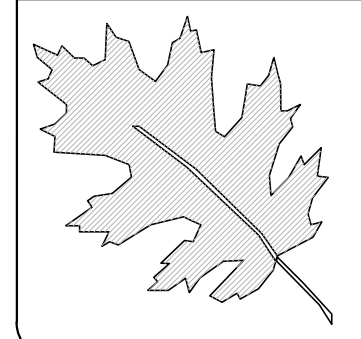
TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
AA	11	Acer freemanii 'Autumn Blaze' / Autumn Blaze Maple	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader, Uniform Canopy
CF	10	Cercis canadensis 'Forest Pansy' TM / Forest Pansy Redbud	B & B	2"Cal	8' min.	Full & Heavy; Single Straight Leader
LH	10	Liquidambar styraciflua 'Happdell' / Happidaze Sweet Gum	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader; Uniform Canopy
QP	10	Quercus palustris / Pin Oak	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader, Uniform Canopy
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	CONT	SPACING	REMARKS	
AV	11,133	Andropogon virginicus / Broomsedge Bluestem	4" plug	18" o.c.	Full & Heavy	

**IMPROVEMENTS - SR1319 / SATTERWHITE**

UNIT	SPEC SECTION	ITEM
19	CY 1670	Hardwood Mulch
26,487	SF 1670	Pine Straw Mulch (Reforested Areas)
170	SY 1670	Pre-emergent herbicide treatment (post install)

**SEEDING NOTES:**

- All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.



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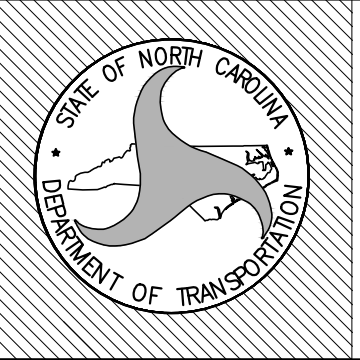
185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: 1-0914BA

LANDSCAPE ARCHITECT :



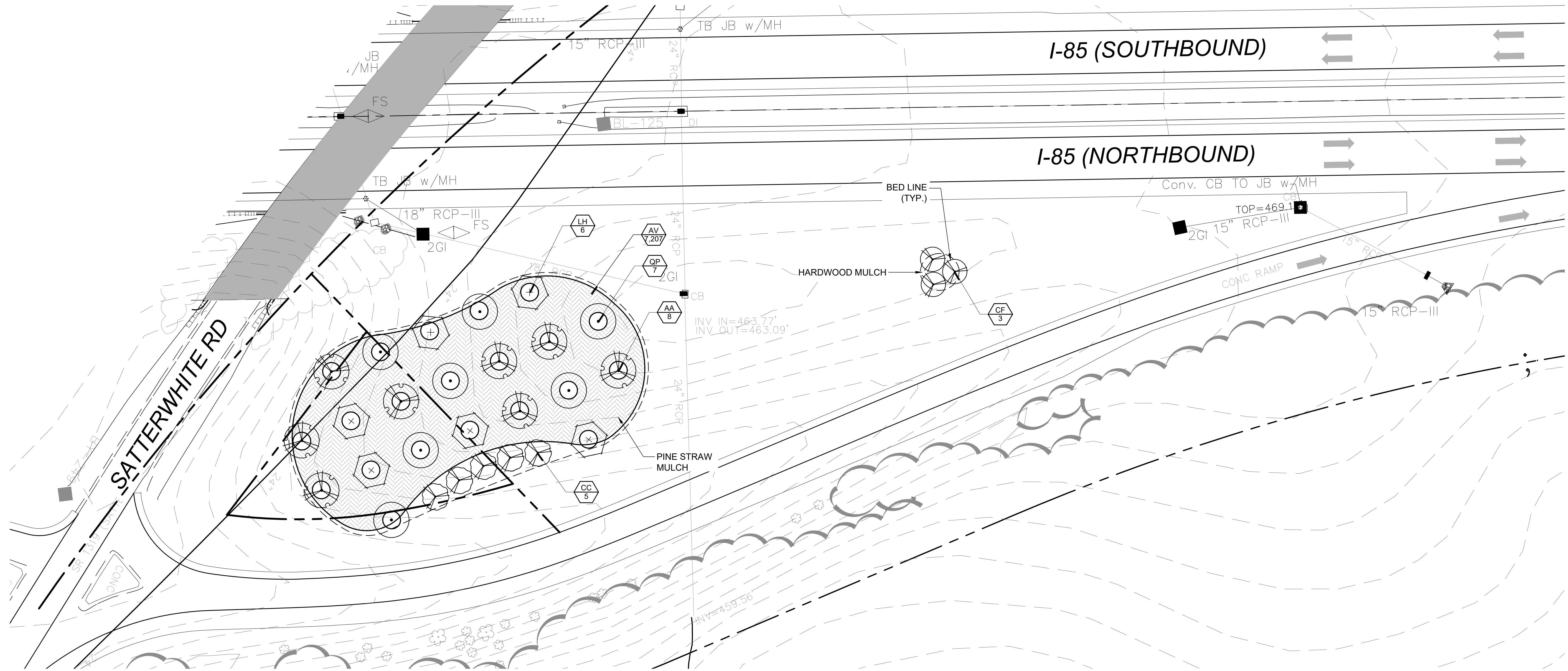
SHEET DESCRIPTION:  
 PLANTING PLAN  
 SR 1319 / SATTERWHITE RD  
 QUADRANT B

PREL DESIGN DATE:  
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SHEET NO:  
 L222  
 TOTAL NUMBER OF SHEETS: 49

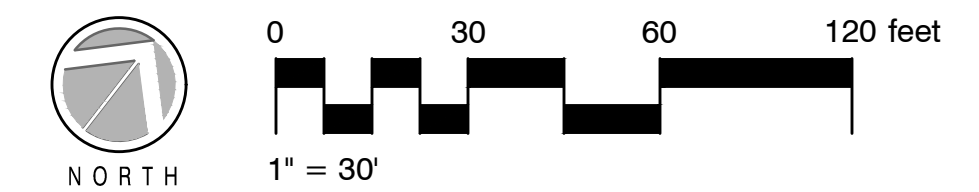




IMPROVEMENTS - SR1319 / SATTERWHITE			
QTY	UNIT	SPEC SECTION	ITEM
4.5	CY	1670	Hardwood Mulch
18,572	SF	1670	Pine Straw Mulch (Reforested Areas)
40	SY	1670	Pre-emergent herbicide treatment (post install)

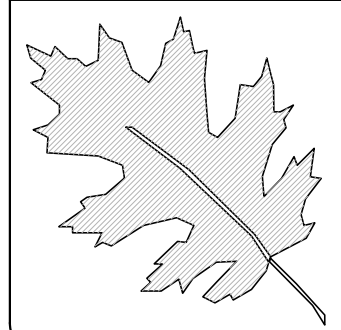
**PLANT SCHEDULE L223**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
AA	8	Acer freemanii 'Autumn Blaze' / Autumn Blaze Maple	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader, Uniform Canopy
CC	5	Cercis canadensis / Eastern Redbud Multi-trunk	B & B	2"Cal	8' min.	Full & Heavy; Uniform Canopy
CF	3	Cercis canadensis 'Forest Pansy' TM / Forest Pansy Redbud	B & B	2"Cal	8' min.	Full & Heavy; Single Straight Leader
LH	6	Liquidambar styraciflua 'Happdell' / Happidaze Sweet Gum	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader, Uniform Canopy
QP	7	Quercus palustris / Pin Oak	B & B	2"Cal	10' min.	Full & Heavy, Single Straight Leader, Uniform Canopy
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	CONT	SPACING	REMARKS	
AV	7,207	Andropogon virginicus / Broomsedge Bluestem	4" plug	18" o.c.	Full & Heavy	



**SEEDING NOTES:**

- All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.



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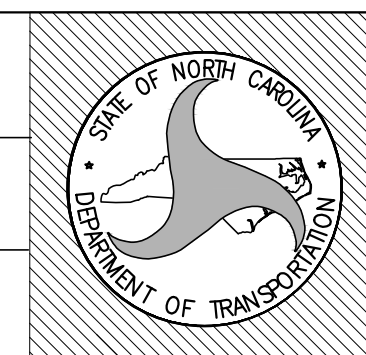
185 LANDSCAPE  
 IMPROVEMENTS  
 PROJECT #: I-0914BA

LANDSCAPE ARCHITECT :



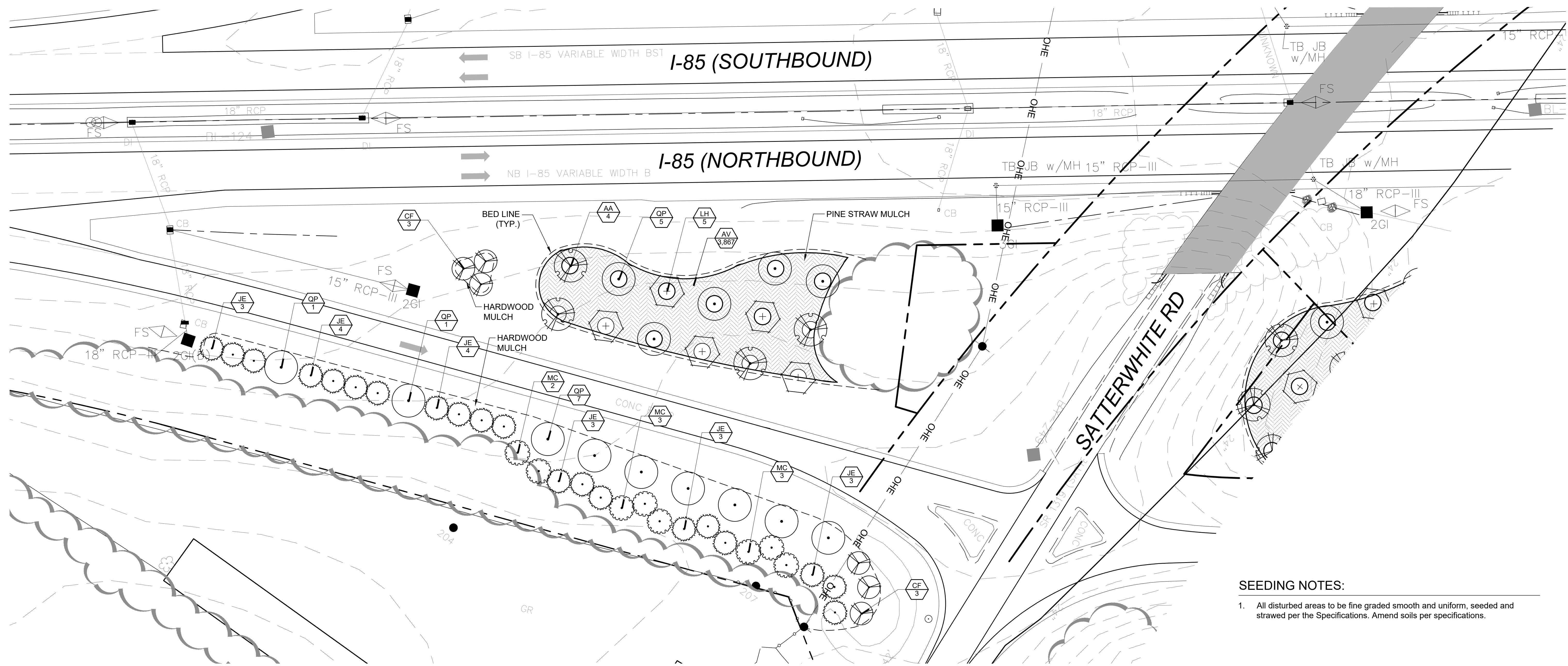
SHEET DESCRIPTION:  
 PLANTING PLAN  
 SR 1319 / SATTERWHITE RD  
 QUADRANT C

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:  
 L223  
 TOTAL NUMBER OF SHEETS: 49



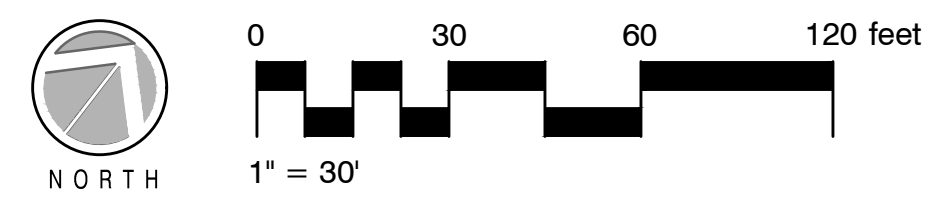


**SEEDING NOTES:**

- All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.

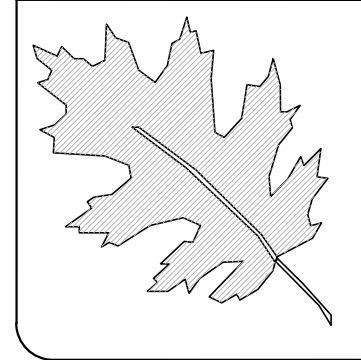
**PLANT SCHEDULE L224**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
AA	4	Acer freemanii 'Autumn Blaze' / Autumn Blaze Maple	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader, Uniform Canopy
CF	6	Cercis canadensis 'Forest Pansy' TM / Forest Pansy Redbud	B & B	2"Cal	8' min.	Full & Heavy; Single Straight Leader
JE	20	Juniperus virginiana / Eastern Red Cedar	B & B		6' Min	Full & Heavy; Single Straight Leader
LH	5	Liquidambar styraciflua 'Happdell' / Happidaze Sweet Gum	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader; Uniform Canopy
QP	14	Quercus palustris / Pin Oak	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader, Uniform Canopy
SHRUBS	QTY	BOTANICAL NAME / COMMON NAME	CONT	HEIGHT	REMARKS	
MC	8	Myrica cerifera / Wax Myrtle	B & B	42" Min		Full & Heavy
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	CONT	SPACING	REMARKS	
AV	3,867	Andropogon virginicus / Broomsedge Bluestem	4" plug	18" o.c.		Full & Heavy



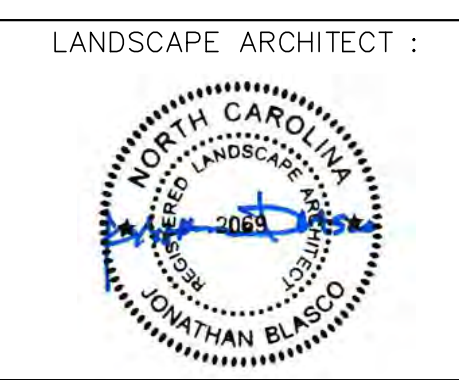
**IMPROVEMENTS - SR1319 / SATTERWHITE**

QTY	UNIT	SPEC SECTION	ITEM
171	CY	1670	Hardwood Mulch
9,388	SF	1670	Pine Straw Mulch (Reforested Areas)
1,536	SY	1670	Pre-emergent herbicide treatment (post install)



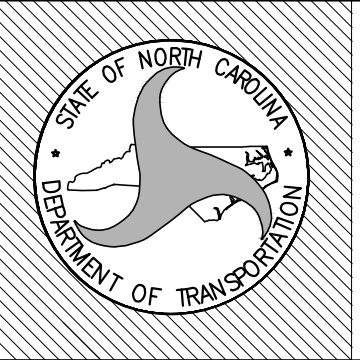
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185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



LANDSCAPE ARCHITECT :  
 PLANTING PLAN  
 SR 1319 / SATTERWHITE RD  
 QUADRANT D

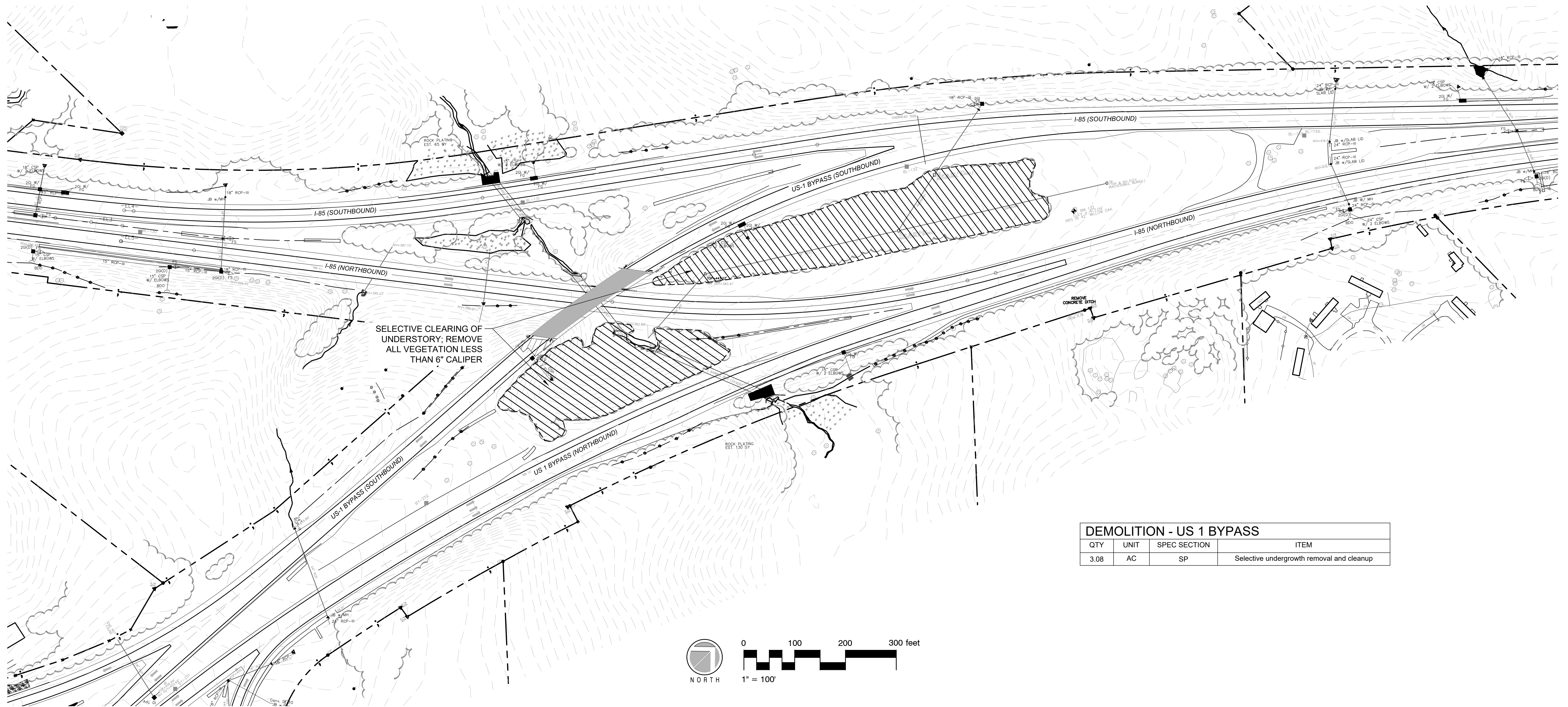
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12.21.2018  
 CHECKED BY & DATE :  
JAB / 07.01.2021  
 FINAL DESIGN DATE :  
07.01.2021



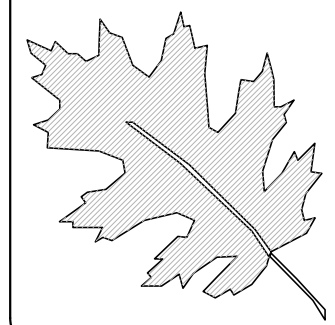
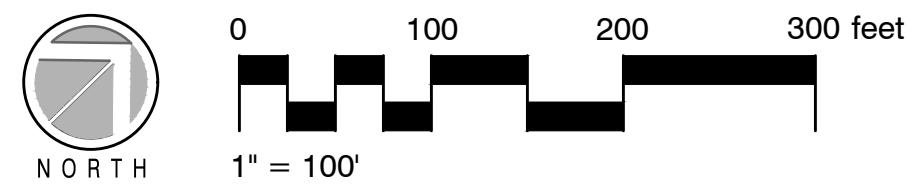
SHEET NO:  
**L224**  
 TOTAL NUMBER OF SHEETS: 49







DEMOLITION - US 1 BYPASS			
QTY	UNIT	SPEC SECTION	ITEM
3.08	AC	SP	Selective undergrowth removal and cleanup



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185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA

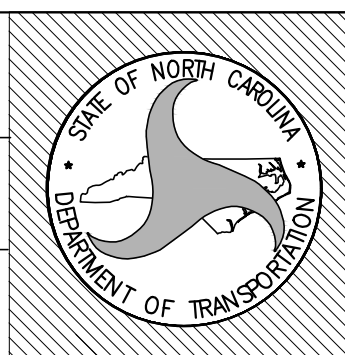
LANDSCAPE ARCHITECT :



SHEET DESCRIPTION:

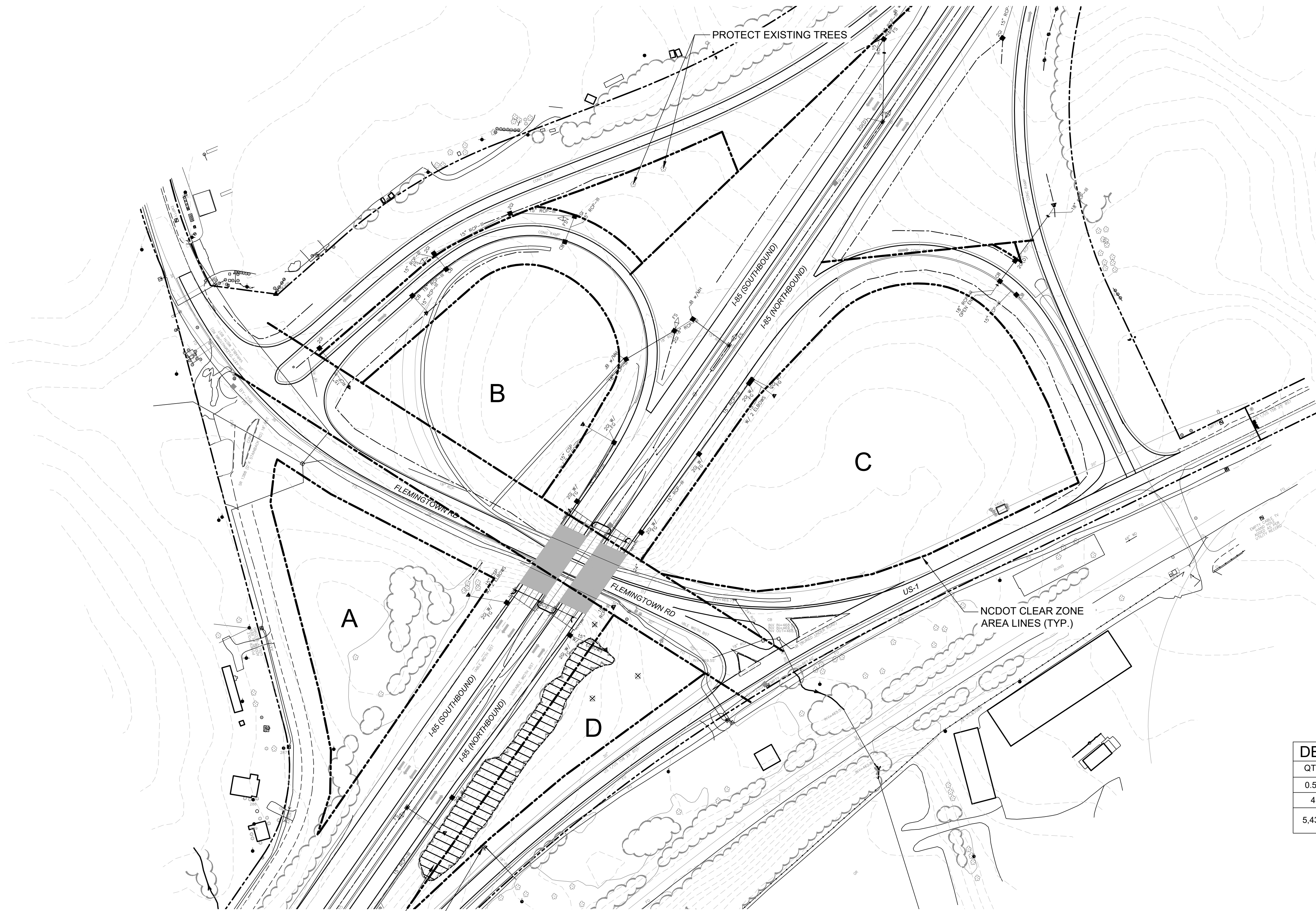
DEMOLITION PLAN  
 US 1 BYPASS  
 EXIT 218

PREL DESIGN DATE:  
12.21.2018  
 CHECKED BY & DATE :  
JAB / 07.01.2021  
 FINAL DESIGN DATE :  
07.01.2021

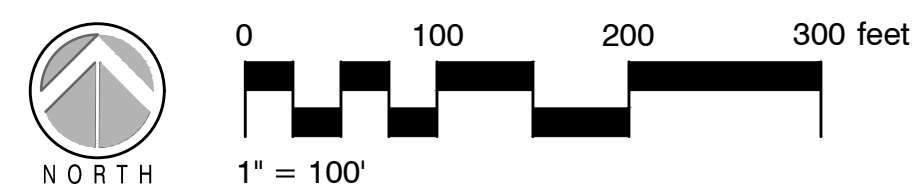


SHEET NO:  
 L230  
 TOTAL NUMBER OF SHEETS: 49

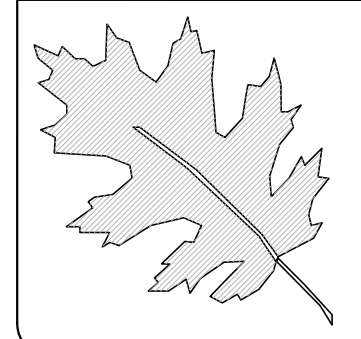




SELECTIVE CLEARING OF UNDERSTORY; REMOVE ALL VEGETATION LESS THAN 6" CALIPER  
 SELECTIVE TREE REMOVAL (TYP.)

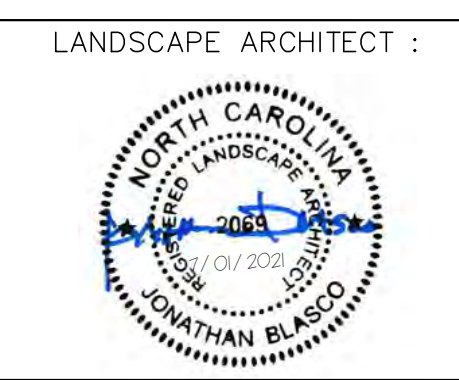


DEMOLITION - SR1371 / FLEMINGTOWN ROAD			
QTY	UNIT	SPEC SECTION	ITEM
0.52	AC	SP	Selective undergrowth removal and cleanup
4	EA	SP	Selective Tree Removal
5,433	SY	1670	Post-emergent herbicide treatment (kill ex. vegetation in plant beds)



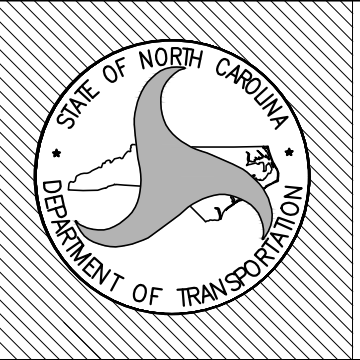
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



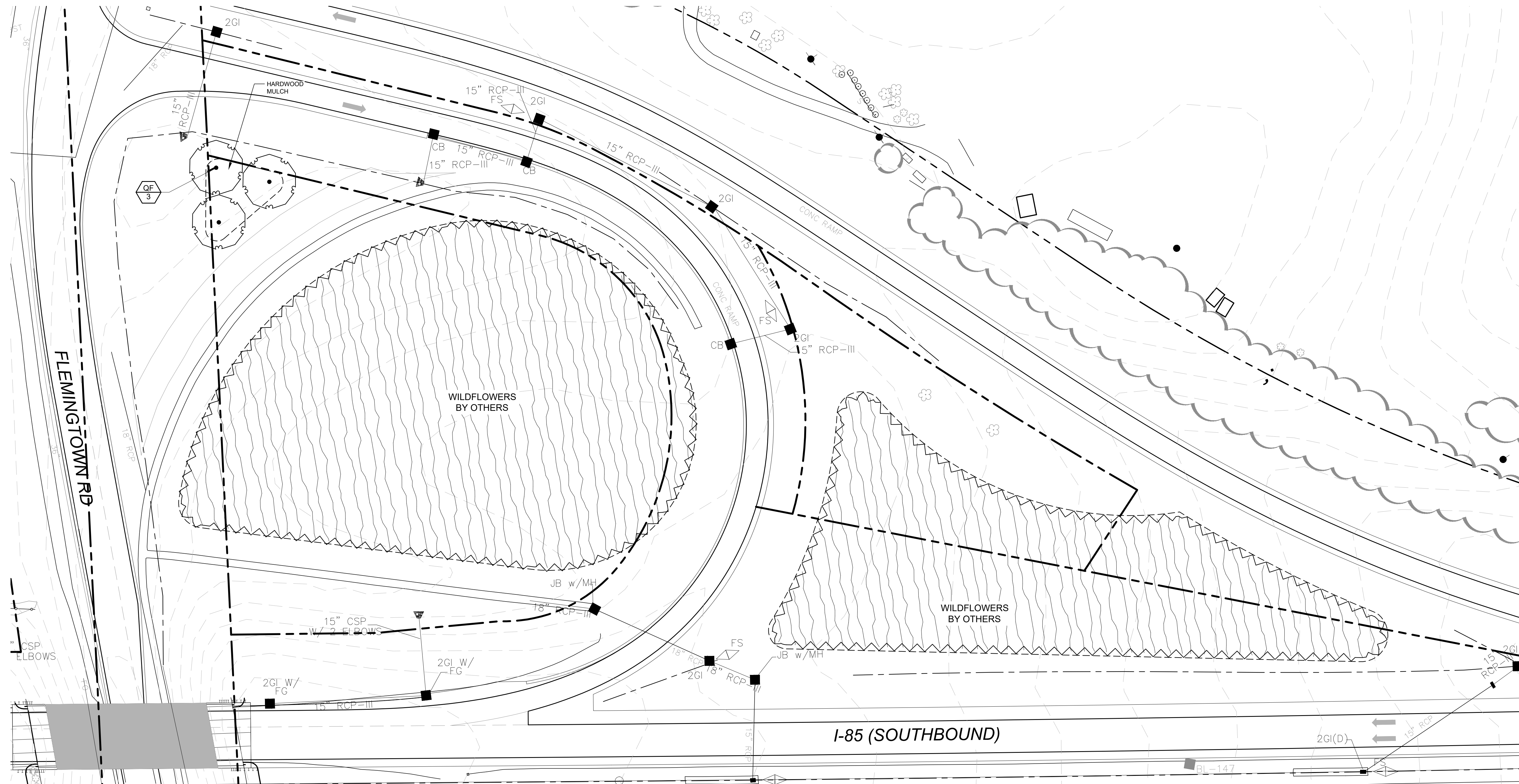
LANDSCAPE ARCHITECT :  
 SHEET DESCRIPTION:  
 DEMOLITION PLAN  
 SR 1371 / FLEMINGTOWN RD  
 EXIT 220

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:  
 L240  
 TOTAL NUMBER OF SHEETS: 49





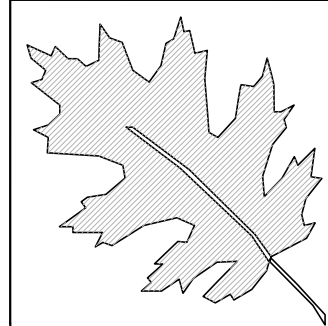
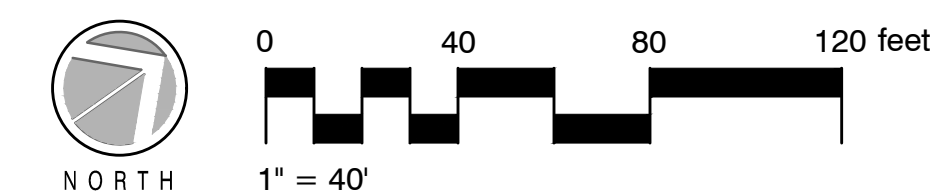
IMPROVEMENTS - SR1371 / FLEMINGTOWN RD			
QTY	UNIT	SPEC SECTION	ITEM
21	CY	1670	Hardwood Mulch
183	SY	1670	Pre-emergent herbicide treatment (post install)

**PLANT SCHEDULE L241**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	REMARKS
QF	3	Quercus falcata pagodifolia / Cherrybark Oak	B & B	4\"/>	

**SEEDING NOTES:**

- All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.



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[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

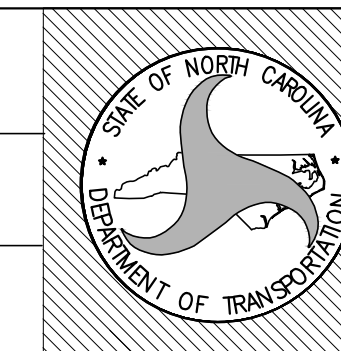
185 LANDSCAPE  
 IMPROVEMENTS  
 PROJECT #: I-0914BA

LANDSCAPE ARCHITECT :



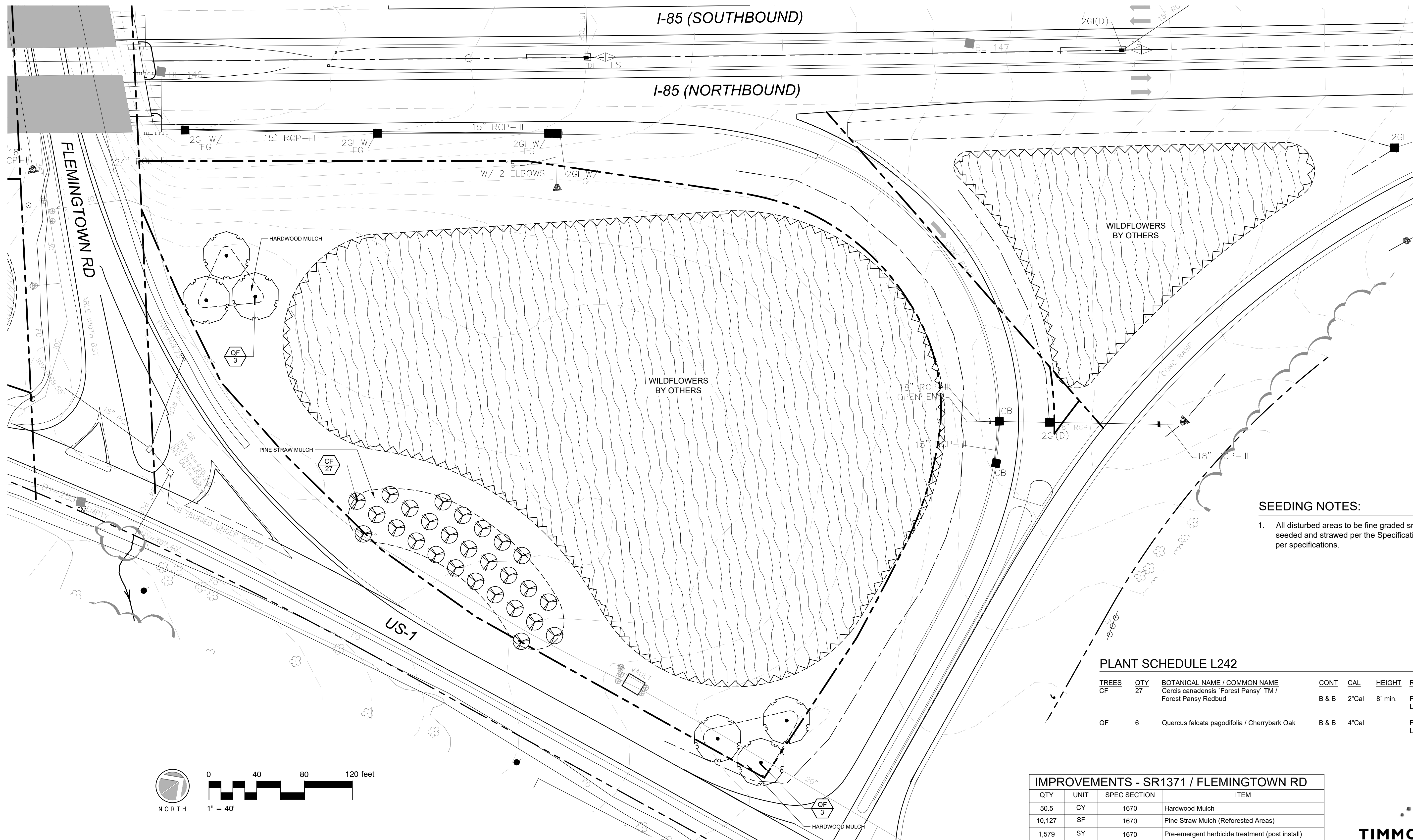
SHEET DESCRIPTION:  
 PLANTING PLAN  
 SR 1371 / FLEMINGTOWN RD  
 QUADRANT B

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:  
 L241  
 TOTAL NUMBER OF SHEETS: 49





**SEEDING NOTES:**

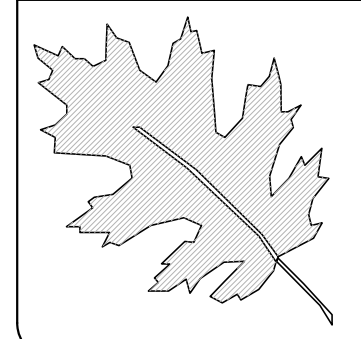
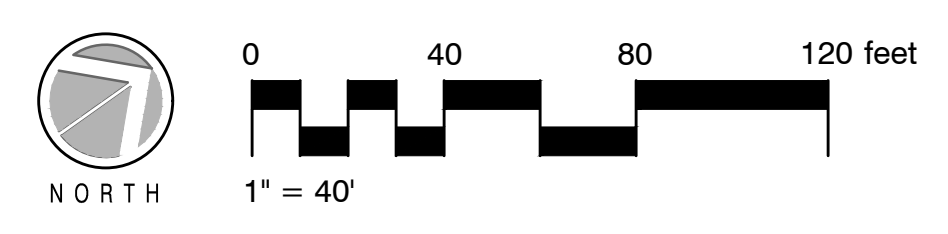
- All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.

**PLANT SCHEDULE L242**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
CF	27	Cercis canadensis 'Forest Pansy'™ / Forest Pansy Redbud	B & B	2"Cal	8' min.	Full & Heavy; Single Straight Leader
QF	6	Quercus falcata pagodifolia / Cherrybark Oak	B & B	4"Cal		Full & Heavy; Single Straight Leader, Uniform Canopy

**IMPROVEMENTS - SR1371 / FLEMINGTOWN RD**

QTY	UNIT	SPEC SECTION	ITEM
50.5	CY	1670	Hardwood Mulch
10,127	SF	1670	Pine Straw Mulch (Reforested Areas)
1,579	SY	1670	Pre-emergent herbicide treatment (post install)



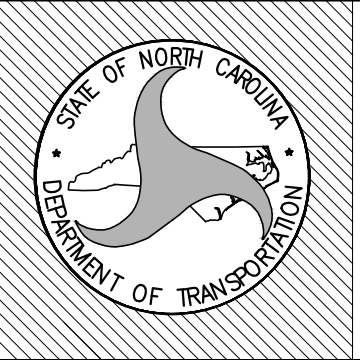
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557  
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185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



LANDSCAPE ARCHITECT :  
 PLANTING PLAN  
 SR 1371 / FLEMINGTOWN RD  
 QUADRANT C

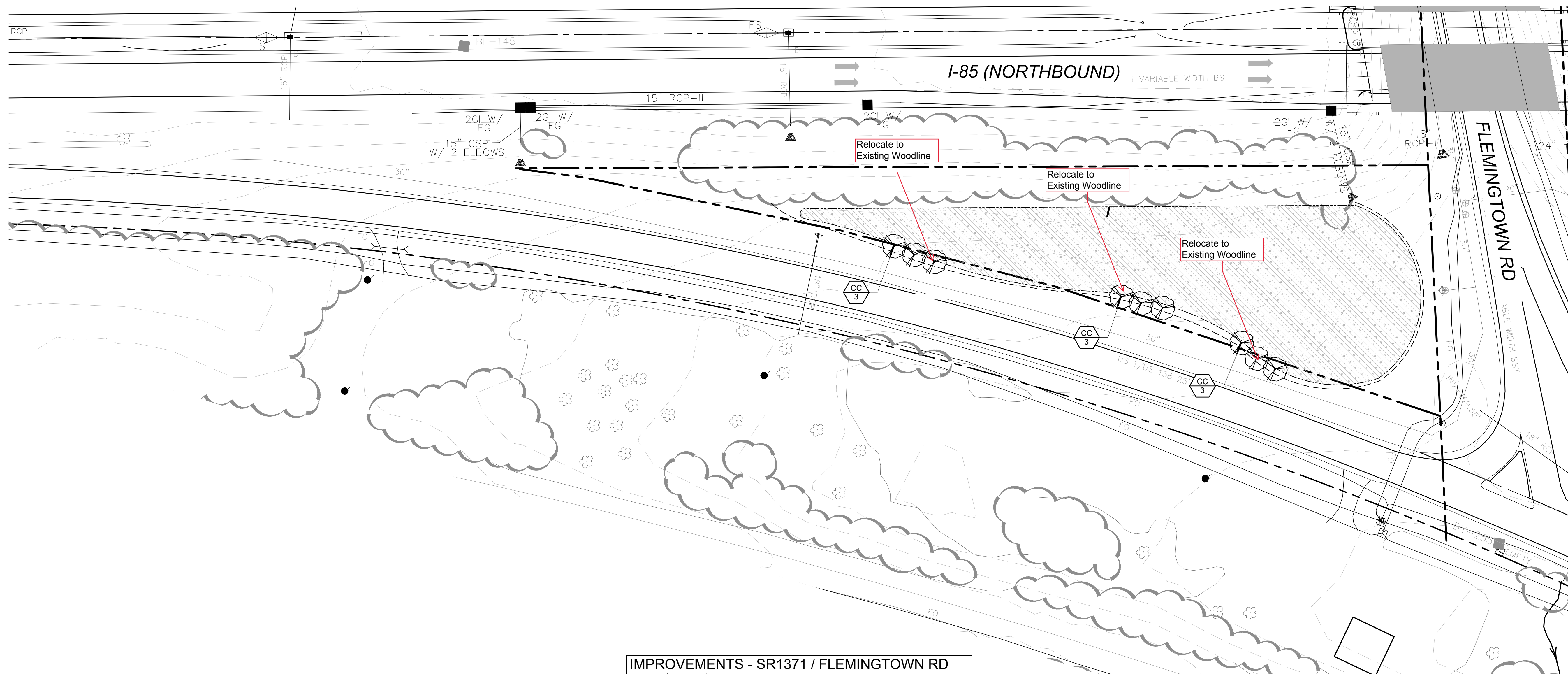
PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:  
**L242**  
 TOTAL NUMBER OF SHEETS: 49





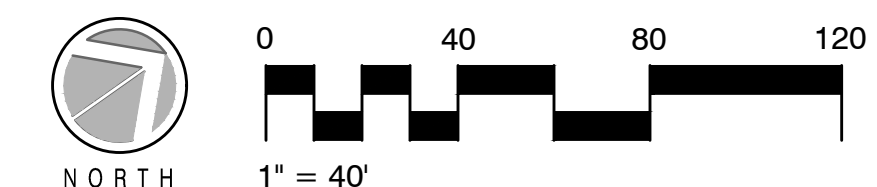


**PLANT SCHEDULE L243**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
CC	9	Cercis canadensis / Eastern Redbud Multi-trunk	B & B	2" Cal	8' min.	Full & Heavy; Uniform Canopy

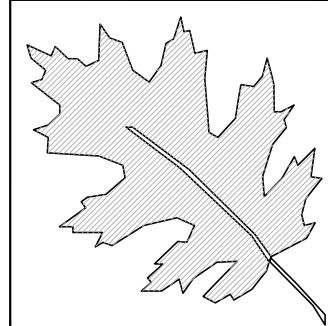
**IMPROVEMENTS - SR1371 / FLEMINGTOWN RD**

QTY	UNIT	SPEC SECTION	ITEM
30,714	SF	1670	Pine Straw Mulch (Reforested Areas)
3,413	SY	1670	Pre-emergent herbicide treatment (post install)



**SEEDING NOTES:**

- All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.



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[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

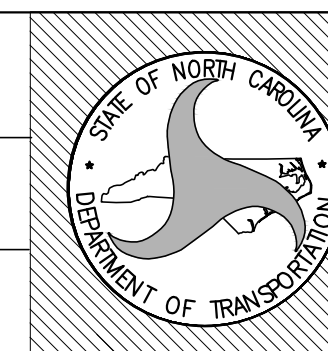
185 LANDSCAPE  
 IMPROVEMENTS  
 PROJECT #: I-0914BA

LANDSCAPE ARCHITECT :



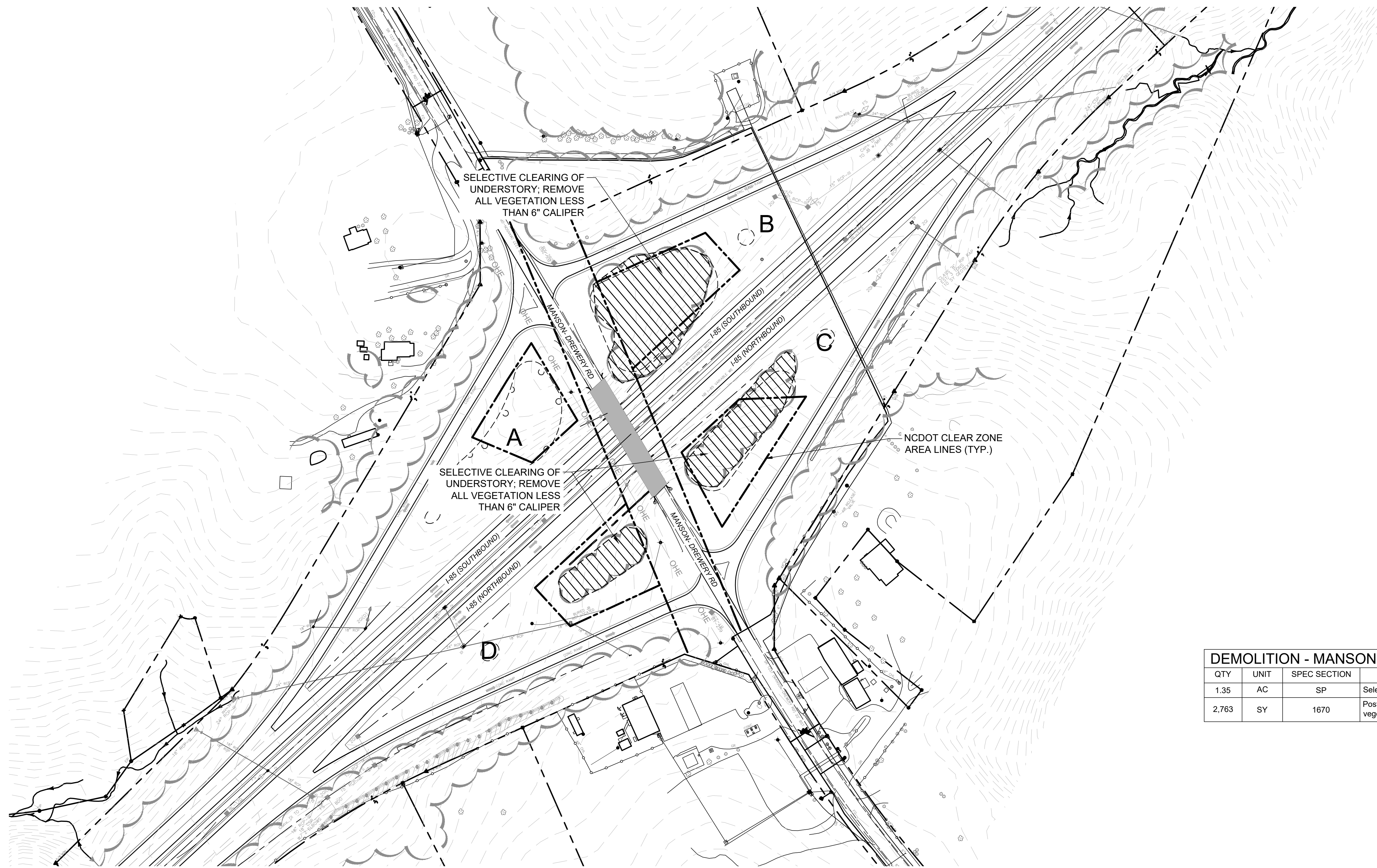
SHEET DESCRIPTION:  
 PLANTING PLAN  
 SR 1371 / FLEMINGTOWN RD  
 QUADRANT D

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021

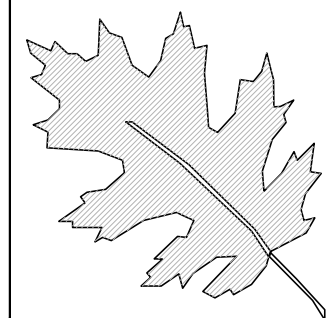
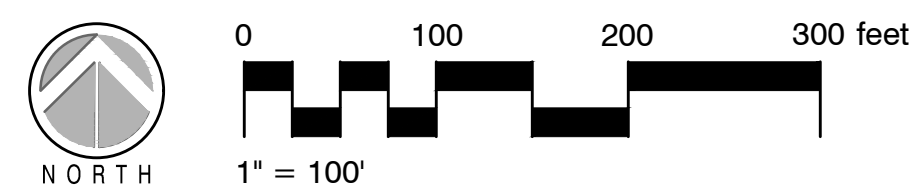


SHEET NO:  
 L243  
 TOTAL NUMBER OF SHEETS: 49





DEMOLITION - MANSON-DREWERY ROAD			
QTY	UNIT	SPEC SECTION	ITEM
1.35	AC	SP	Selective undergrowth removal and cleanup
2,763	SY	1670	Post-emergent herbicide treatment (kill ex. vegetation in plant beds)



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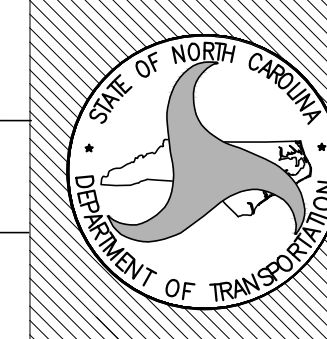
185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: 1-0914BA

LANDSCAPE ARCHITECT :



SHEET DESCRIPTION:  
 DEMOLITION PLAN  
 MANSON-DREWERY RD  
 EXIT 223

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:  
**L250**  
 TOTAL NUMBER OF SHEETS: 49



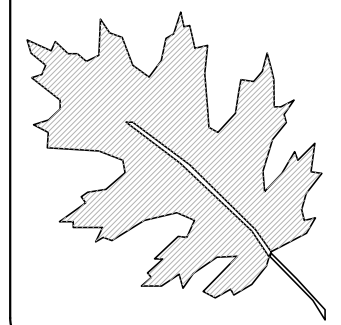
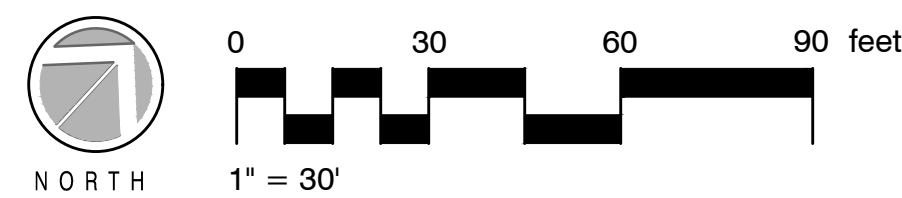
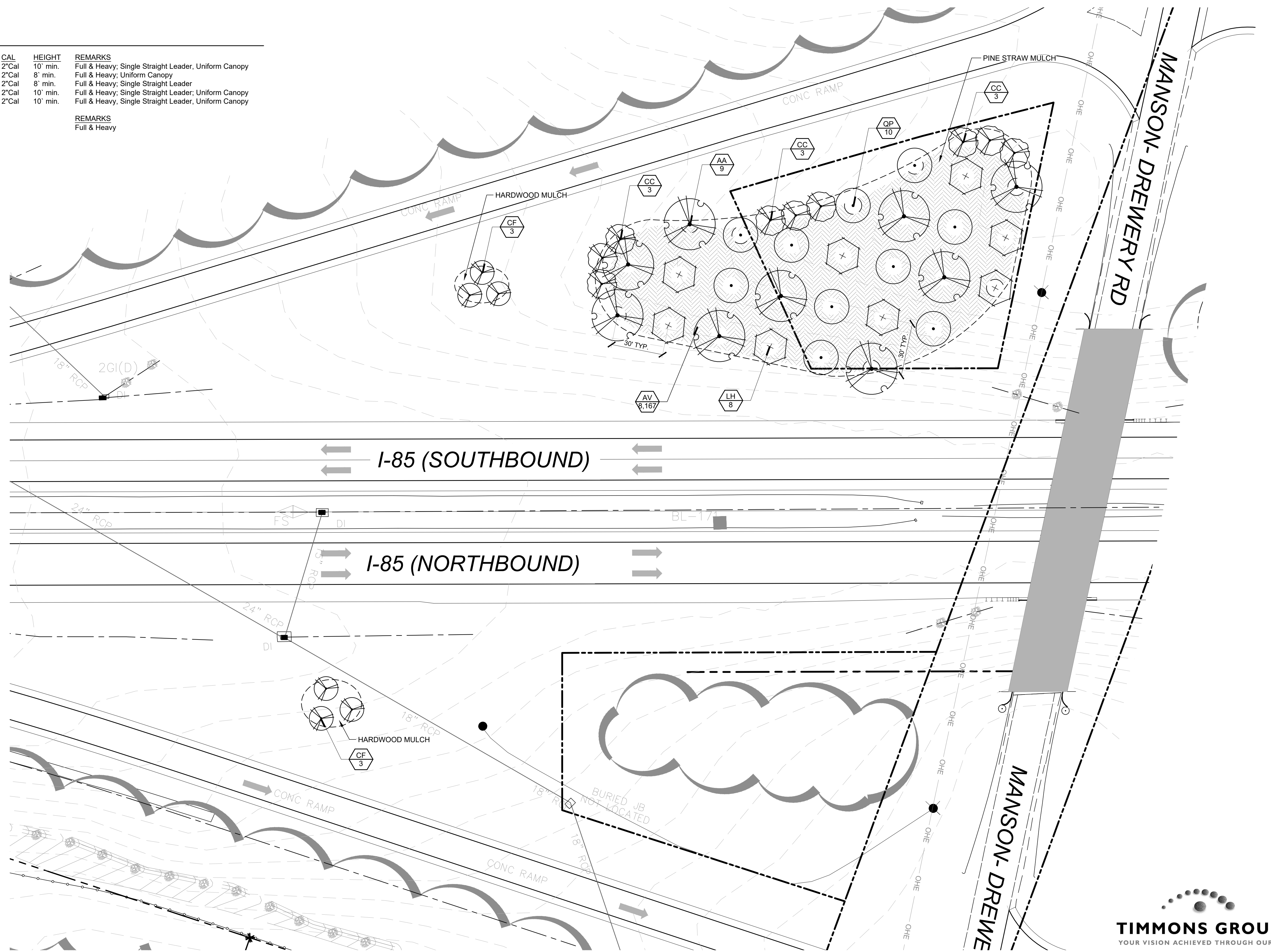
**PLANT SCHEDULE L251**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
AA	9	Acer freemanii 'Autumn Blaze' / Autumn Blaze Maple	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader, Uniform Canopy
CC	9	Cercis canadensis / Eastern Redbud Multi-trunk	25 gal	2"Cal	8' min.	Full & Heavy; Uniform Canopy
CF	6	Cercis canadensis 'Forest Pansy' TM / Forest Pansy Redbud	25 gal	2"Cal	8' min.	Full & Heavy; Single Straight Leader
LH	8	Liquidambar styraciflua 'Happdell' / Happidaze Sweet Gum	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader; Uniform Canopy
QP	10	Quercus palustris / Pin Oak	B & B	2"Cal	10' min.	Full & Heavy; Single Straight Leader, Uniform Canopy
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	CONT	REMARKS		
AV	8,167	Andropogon virginicus / Broomsedge Bluestem	4" plug	Full & Heavy		

IMPROVEMENTS - MANSON-DREWERY RD.			
QTY	UNIT	SPEC SECTION	ITEM
16	CY	1670	Hardwood Mulch
21,278	SF	1670	Pine Straw Mulch (Reforested Areas)
141	SY	1670	Pre-emergent herbicide treatment (post install)

**SEEDING NOTES:**

- All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.



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[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

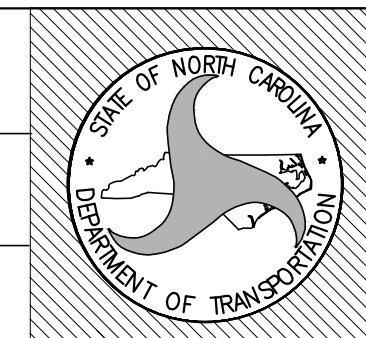
LANDSCAPE ARCHITECT :  
 185 LANDSCAPE  
 IMPROVEMENTS  
 PROJECT #: I-0914BA

LANDSCAPE ARCHITECT :



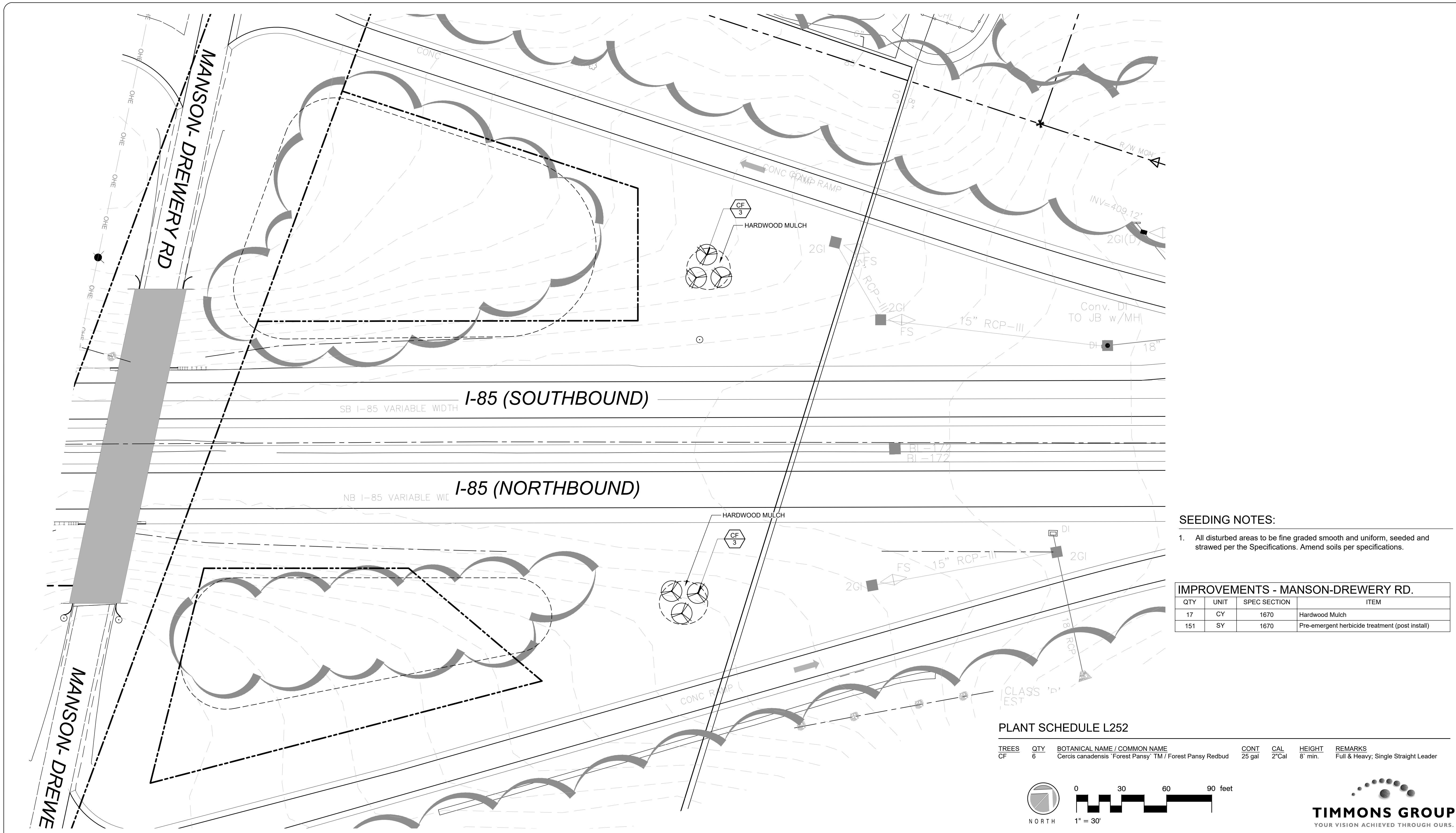
SHEET DESCRIPTION:  
 PLANTING PLAN  
 MANSON-DREWERY RD  
 QUADRANT A & D

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:  
**L251**  
 TOTAL NUMBER OF SHEETS: 49





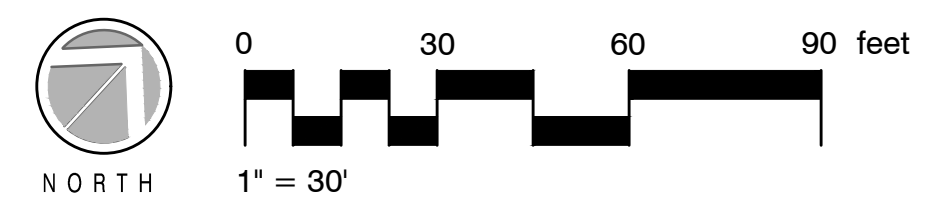
**SEEDING NOTES:**  
 1. All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.

**IMPROVEMENTS - MANSON-DREWERY RD.**

QTY	UNIT	SPEC SECTION	ITEM
17	CY	1670	Hardwood Mulch
151	SY	1670	Pre-emergent herbicide treatment (post install)

**PLANT SCHEDULE L252**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
CF	6	Cercis canadensis 'Forest Pansy'™ / Forest Pansy Redbud	25 gal	2" Cal	8' min.	Full & Heavy; Single Straight Leader



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[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

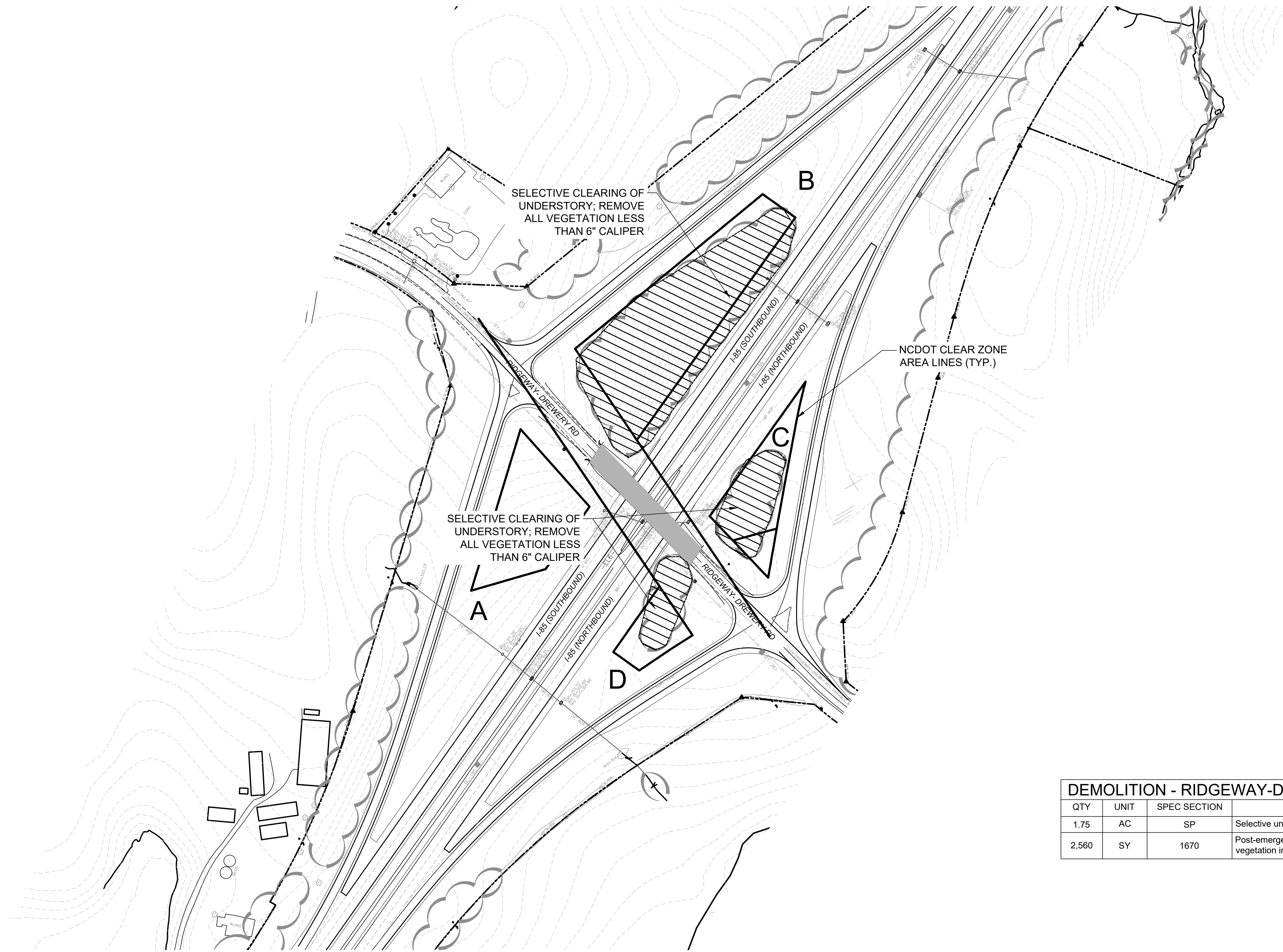
LANDSCAPE ARCHITECT :  
  
 185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA

SHEET DESCRIPTION:  
 PLANTING PLAN  
 MANSON-DREWERY RD  
 QUADRANT B & C

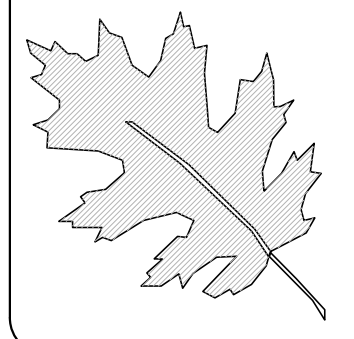
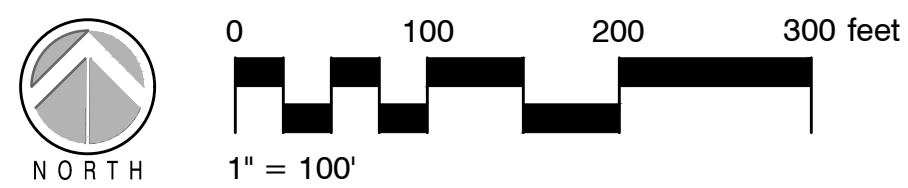
PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021

SHEET NO:  
**L252**  
 TOTAL NUMBER OF SHEETS: 49





DEMOLITION - RIDGEWAY-DREWERY ROAD			
QTY	UNIT	SPEC SECTION	ITEM
1.75	AC	SP	Selective undergrowth removal and cleanup
2,560	SY	1670	Post-emergent herbicide treatment (kill ex. vegetation in plant beds)



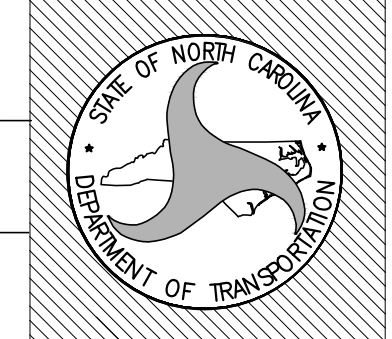
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
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 PH: 919-707-2920 FAX: 919-715-2554  
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I85 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



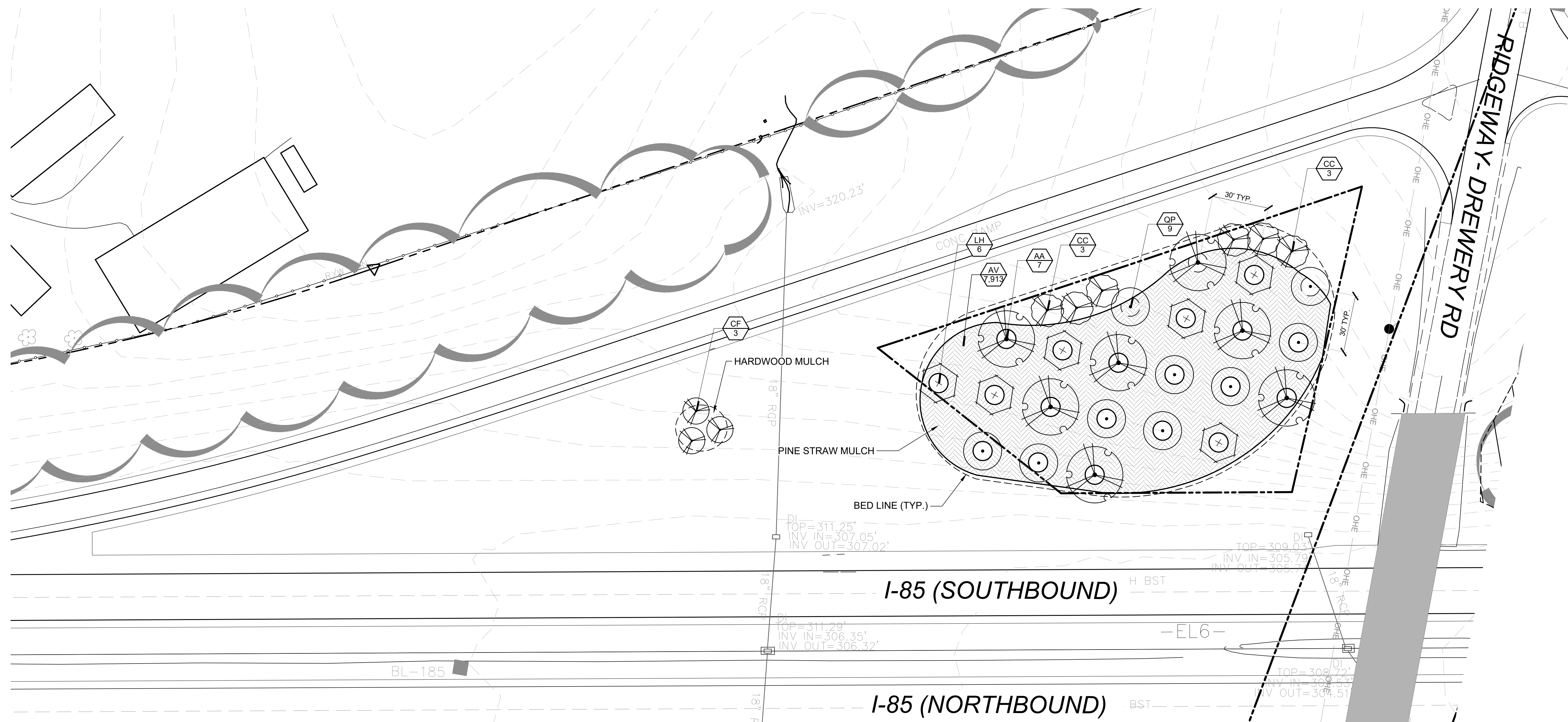
LANDSCAPE ARCHITECT :  
 SHEET DESCRIPTION:  
 DEMOLITION PLAN  
 RIDGEWAY-DREWERY RD  
 EXIT 226

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:  
 L260  
 TOTAL NUMBER OF SHEETS: 49



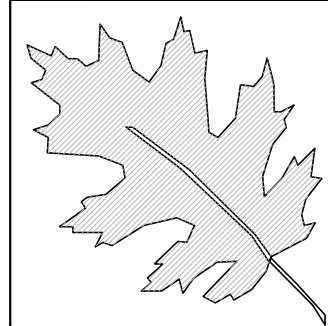
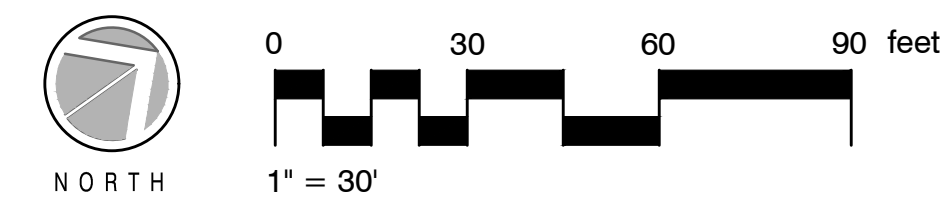


IMPROVEMENTS - RIDGEWAY-DREWERY RD.			
QTY	UNIT	SPEC SECTION	ITEM
6.5	CY	1670	Hardwood Mulch
20,385	SF	1670	Pine Straw Mulch (Reforested Areas)
57	SY	1670	Pre-emergent herbicide treatment (post install)

PLANT SCHEDULE						
TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
AA	7	Acer freemanii 'Autumn Blaze' / Autumn Blaze Maple	B & B	2" Cal	10' min.	Full & Heavy; Single Straight Leader, Uniform Canopy
CC	6	Cercis canadensis / Eastern Redbud Multi-trunk	B & B	2" Cal	8' min.	Full & Heavy; Uniform Canopy
CF	3	Cercis canadensis 'Forest Pansy'™ / Forest Pansy Redbud	B & B	2" Cal	8' min.	Full & Heavy; Single Straight Leader
LH	6	Liquidambar styraciflua 'Happdell' / Happidaze Sweet Gum	B & B	2" Cal	10' min.	Full & Heavy; Single Straight Leader, Uniform Canopy
QP	9	Quercus palustris / Pin Oak	B & B	2" Cal	10' min.	Full & Heavy, Single Straight Leader, Uniform Canopy
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	CONT	SPACING	REMARKS	
AV	7,913	Andropogon virginicus / Broomsedge Bluestem	4" plug	18" o.c.	Full & Heavy	

**SEEDING NOTES:**

- All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.



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[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

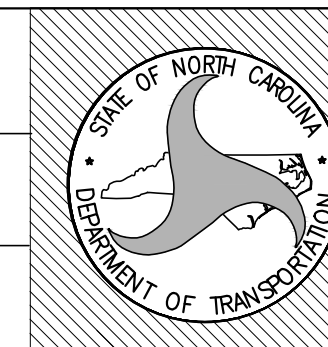
185 LANDSCAPE  
 IMPROVEMENTS  
 PROJECT #: I-0914BA

LANDSCAPE ARCHITECT :



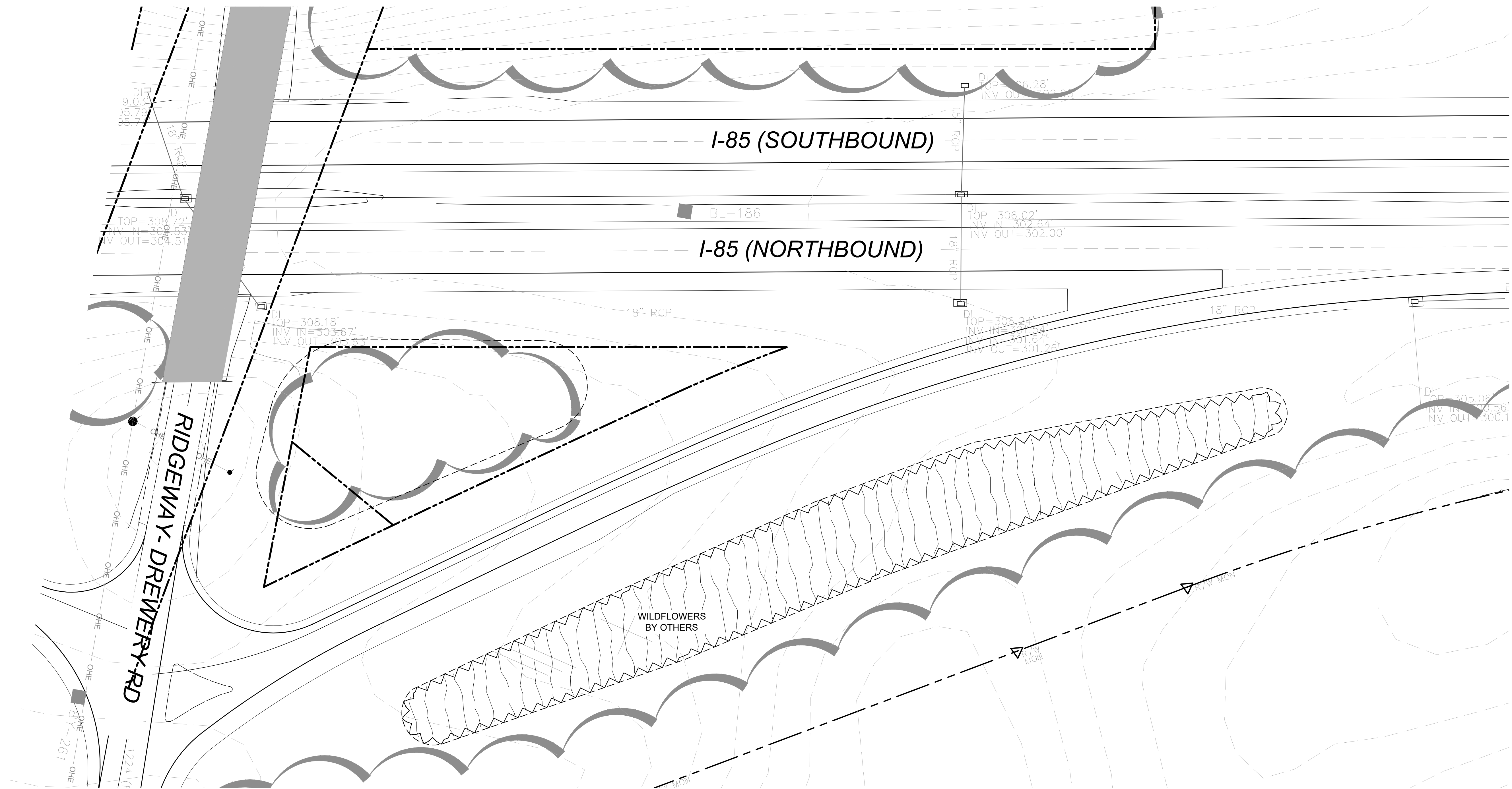
SHEET DESCRIPTION:  
 PLANTING PLAN  
 RIDGEWAY-DREWERY RD  
 QUADRANT A

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



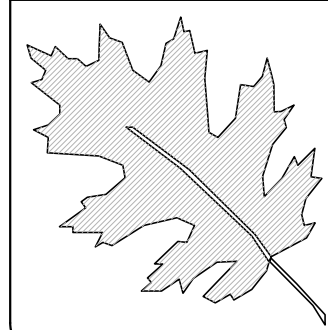
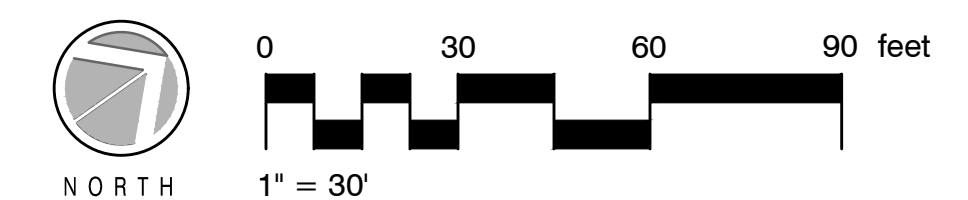
SHEET NO:  
 L261  
 TOTAL NUMBER OF SHEETS: 49





**SEEDING NOTES:**

1. All disturbed areas to be fine graded smooth and uniform, seeded and strawed per the Specifications. Amend soils per specifications.



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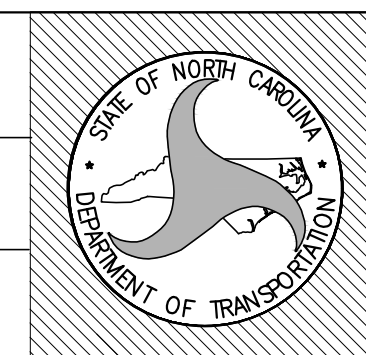
185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA

LANDSCAPE ARCHITECT :



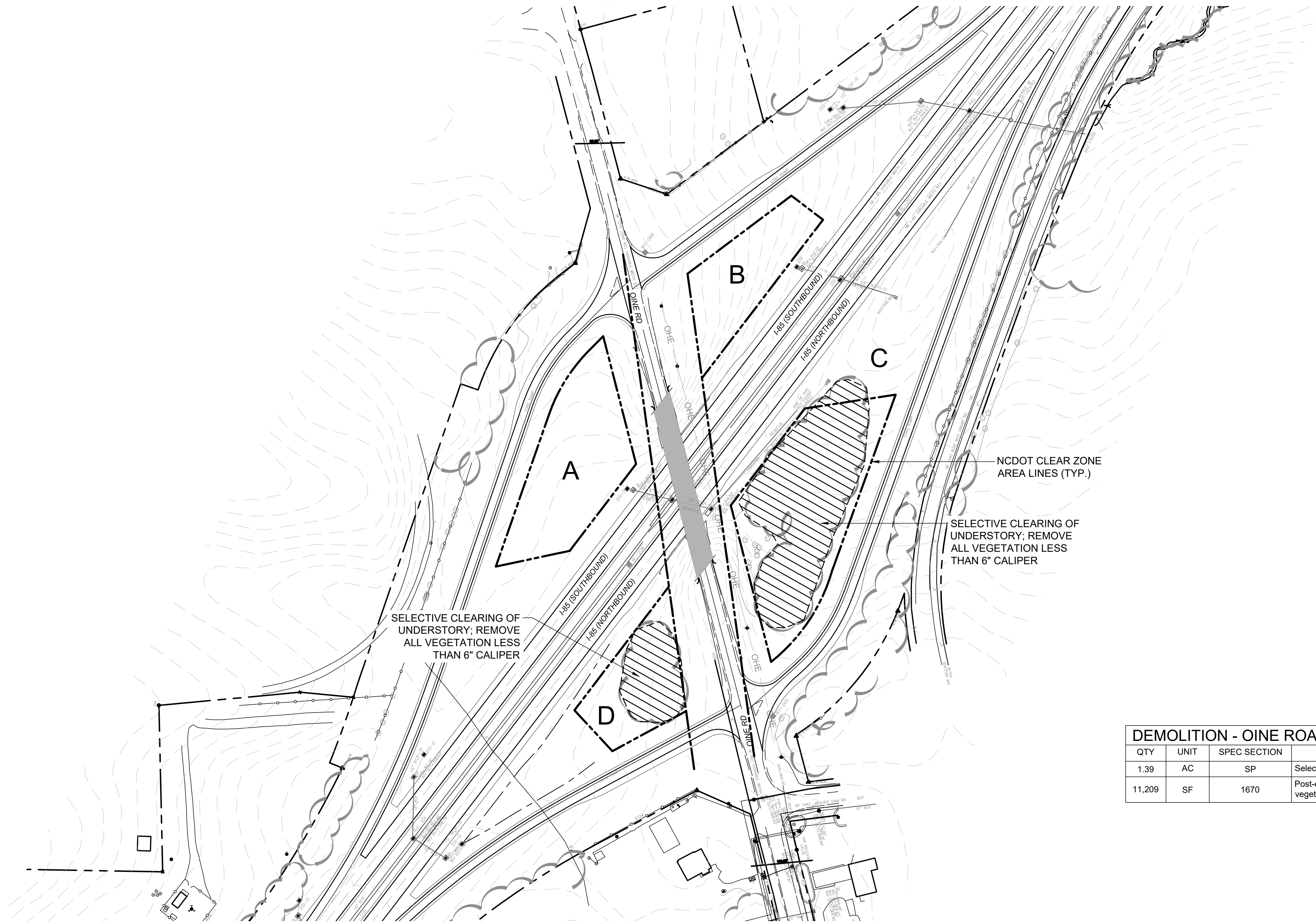
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 PLANTING PLAN  
 RIDGEWAY-DREWERY RD  
 QUADRANT B & C

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021

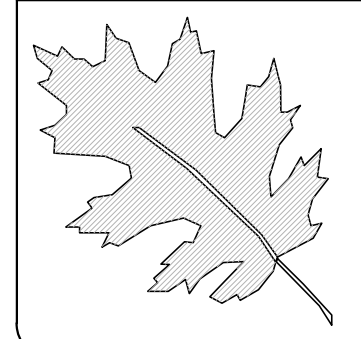
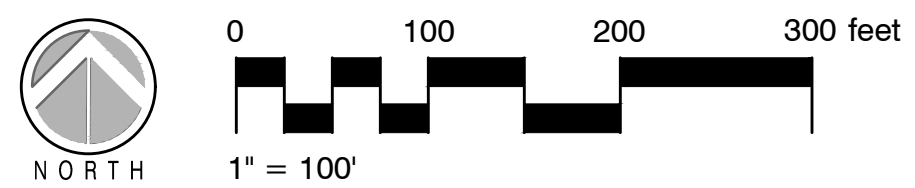


SHEET NO:  
 L262  
 TOTAL NUMBER OF SHEETS: 49



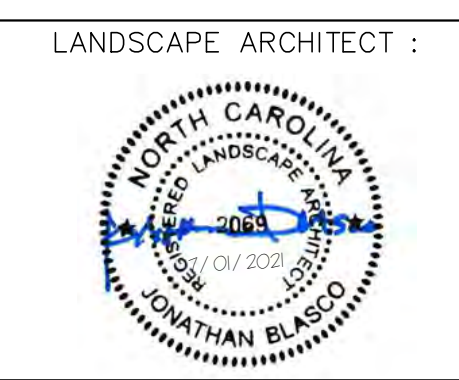


DEMOLITION - OINE ROAD			
QTY	UNIT	SPEC SECTION	ITEM
1.39	AC	SP	Selective undergrowth removal and cleanup
11,209	SF	1670	Post-emergent herbicide treatment (kill ex. vegetation in plant beds)



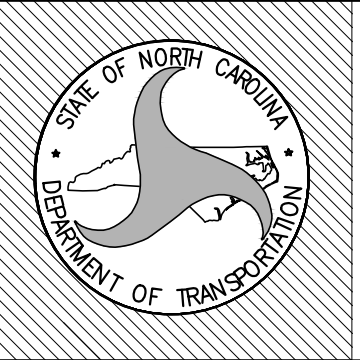
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



LANDSCAPE ARCHITECT :  
 SHEET DESCRIPTION:  
 DEMOLITION PLAN  
 OINE RD  
 EXIT 229

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021

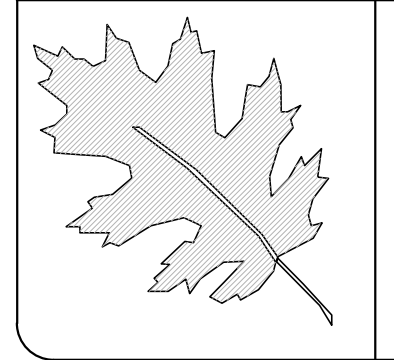
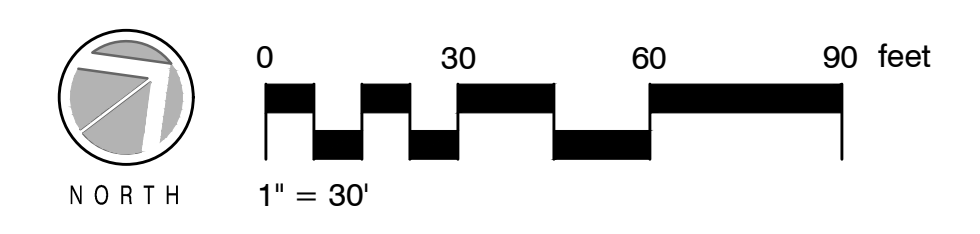
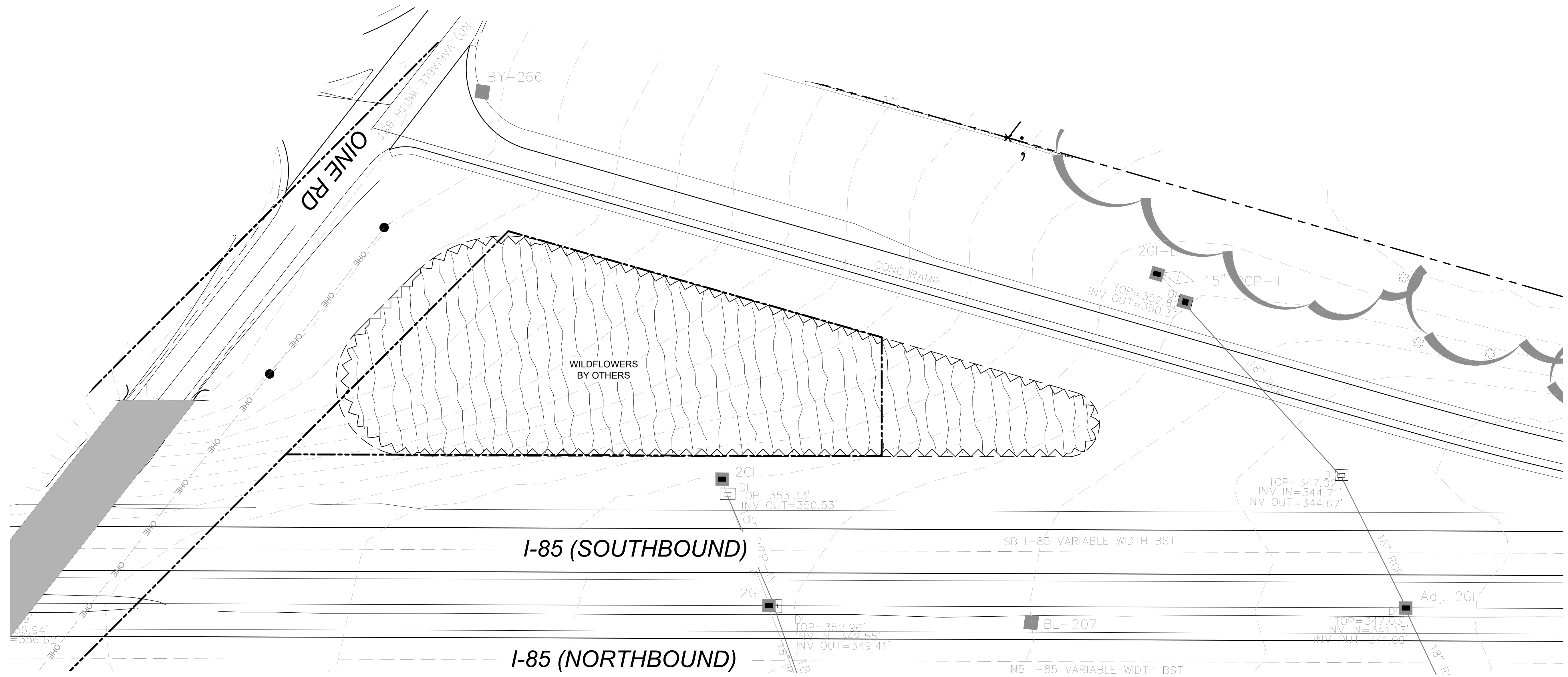


SHEET NO:  
 L270  
 TOTAL NUMBER OF SHEETS: 49









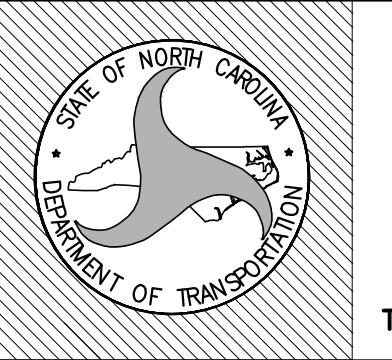
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



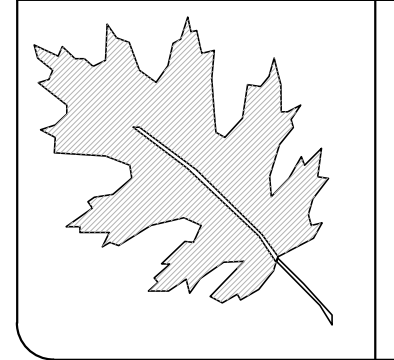
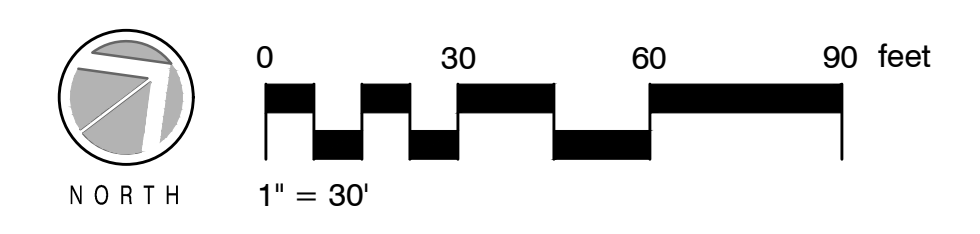
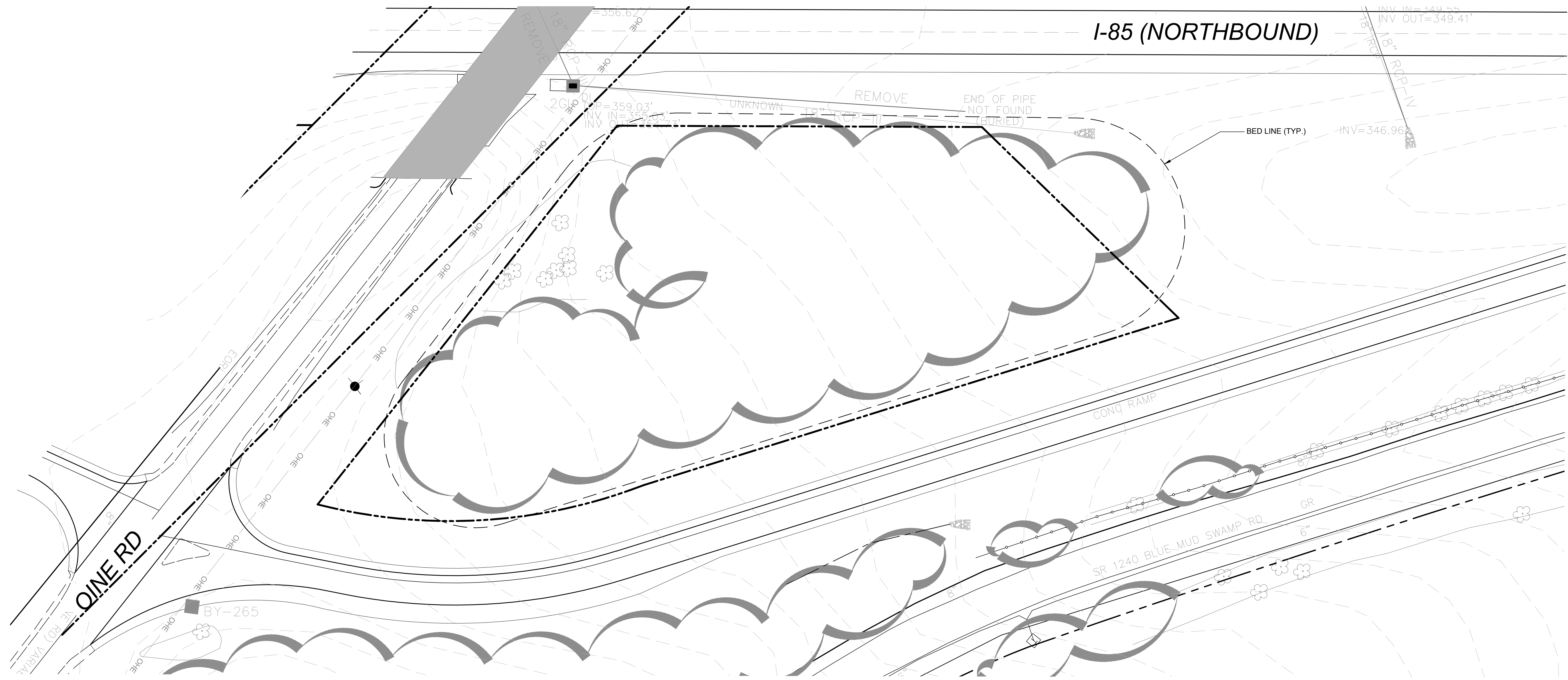
SHEET DESCRIPTION:  
 PLANTING PLAN  
 OINE RD  
 QUADRANT B

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



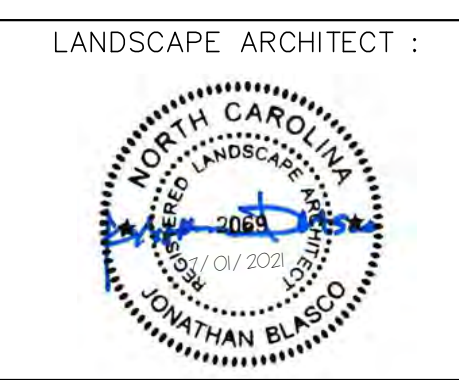
SHEET NO:  
 L272  
 TOTAL NUMBER OF SHEETS: 49





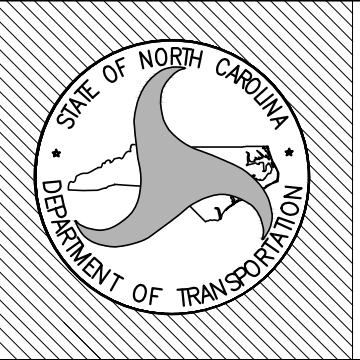
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
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185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



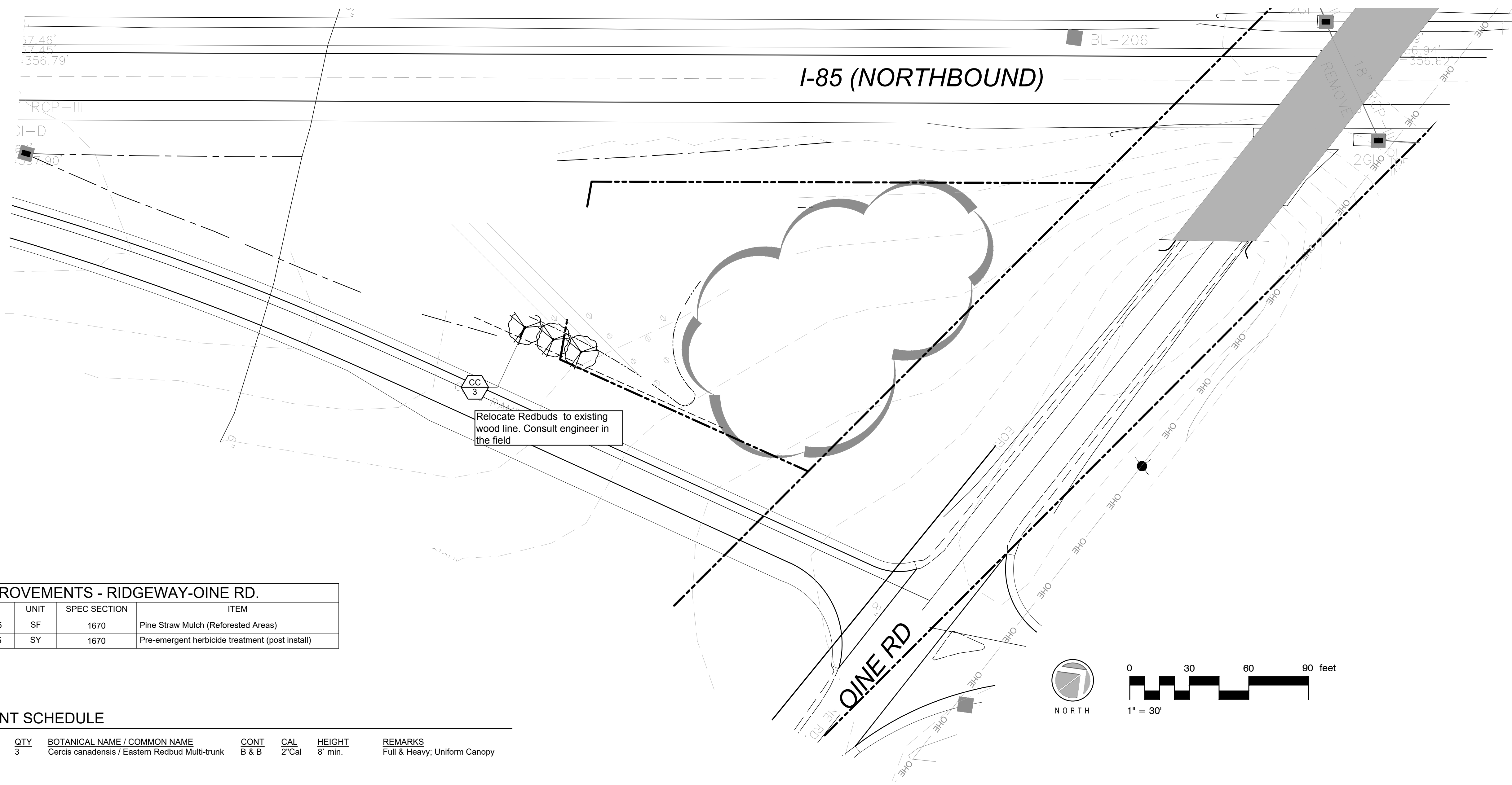
SHEET DESCRIPTION:  
 PLANTING PLAN  
 OINE RD  
 QUADRANT C

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:  
 L273  
 TOTAL NUMBER OF SHEETS: 49

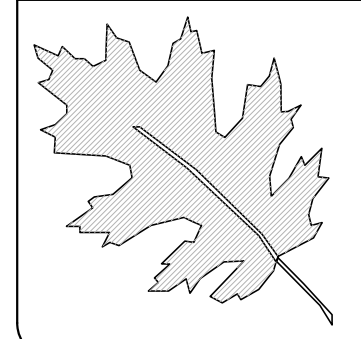
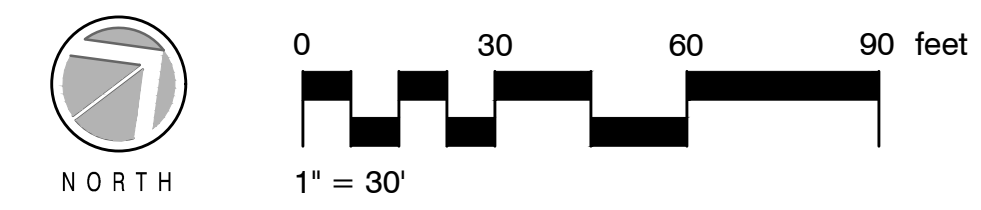




IMPROVEMENTS - RIDGEWAY-OINE RD.			
QTY	UNIT	SPEC SECTION	ITEM
9,525	SF	1670	Pine Straw Mulch (Reforested Areas)
1,245	SY	1670	Pre-emergent herbicide treatment (post install)

**PLANT SCHEDULE**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
CC	3	Cercis canadensis / Eastern Redbud Multi-trunk	B & B	2" Cal	8' min.	Full & Heavy; Uniform Canopy

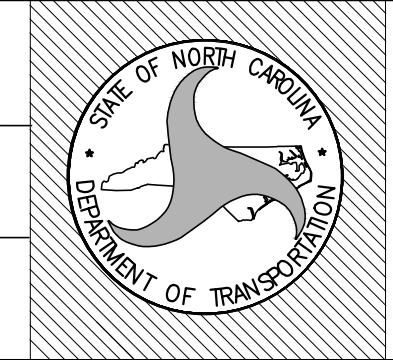


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 PH: 919-707-2920 FAX: 919-715-2554  
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185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA

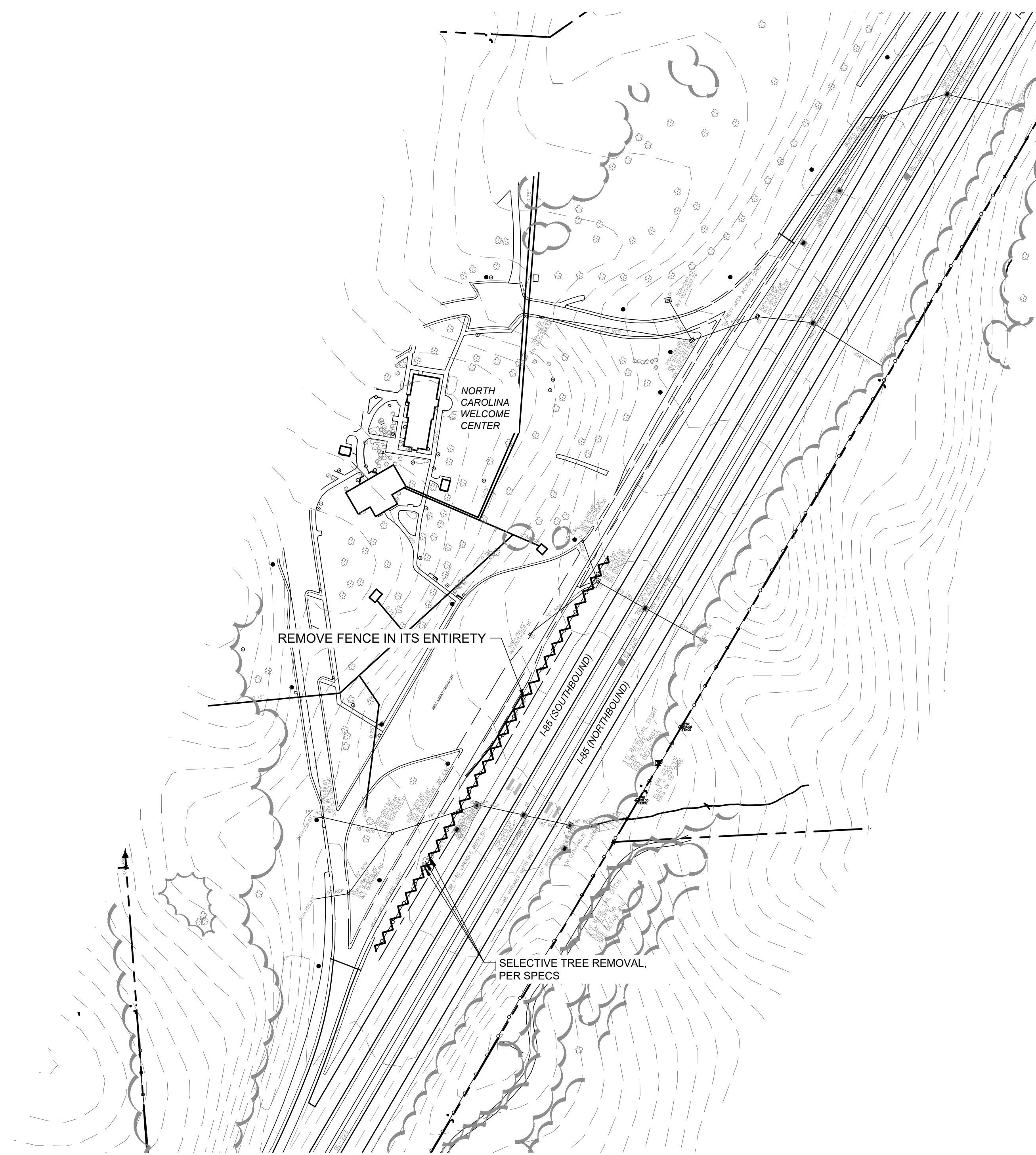


SHEET DESCRIPTION:	PLANTING PLAN	PREL DESIGN DATE: 12.21.2018
	OINE RD	CHECKED BY & DATE : JAB / 07.01.2021
	QUADRANT D	FINAL DESIGN DATE : 07.01.2021

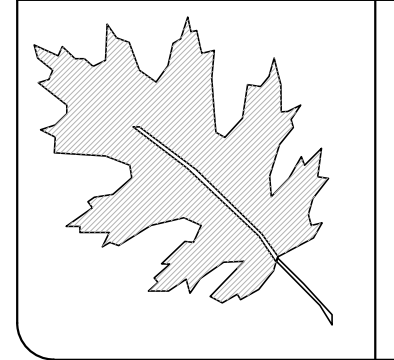
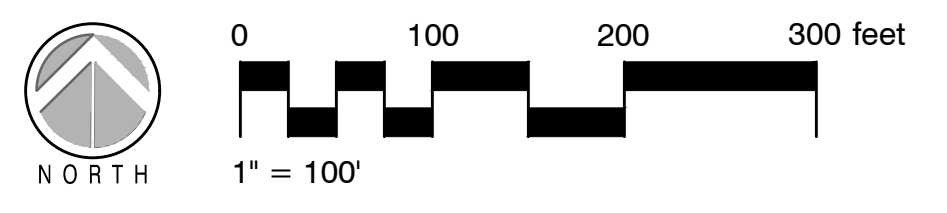


SHEET NO:  
 L274  
 TOTAL NUMBER OF SHEETS: 49





DEMOLITION - REST AREA			
QTY	UNIT	SPEC SECTION	ITEM
602	LF	SP	Fence Removal
3	EA	SP	Selective Tree Removal
25,800	SF	1670	Post-emergent herbicide treatment (kill ex. vegetation in plant beds)



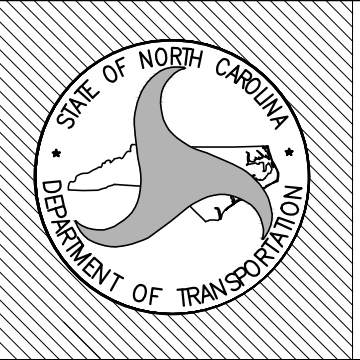
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

LANDSCAPE ARCHITECT :  
 I85 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



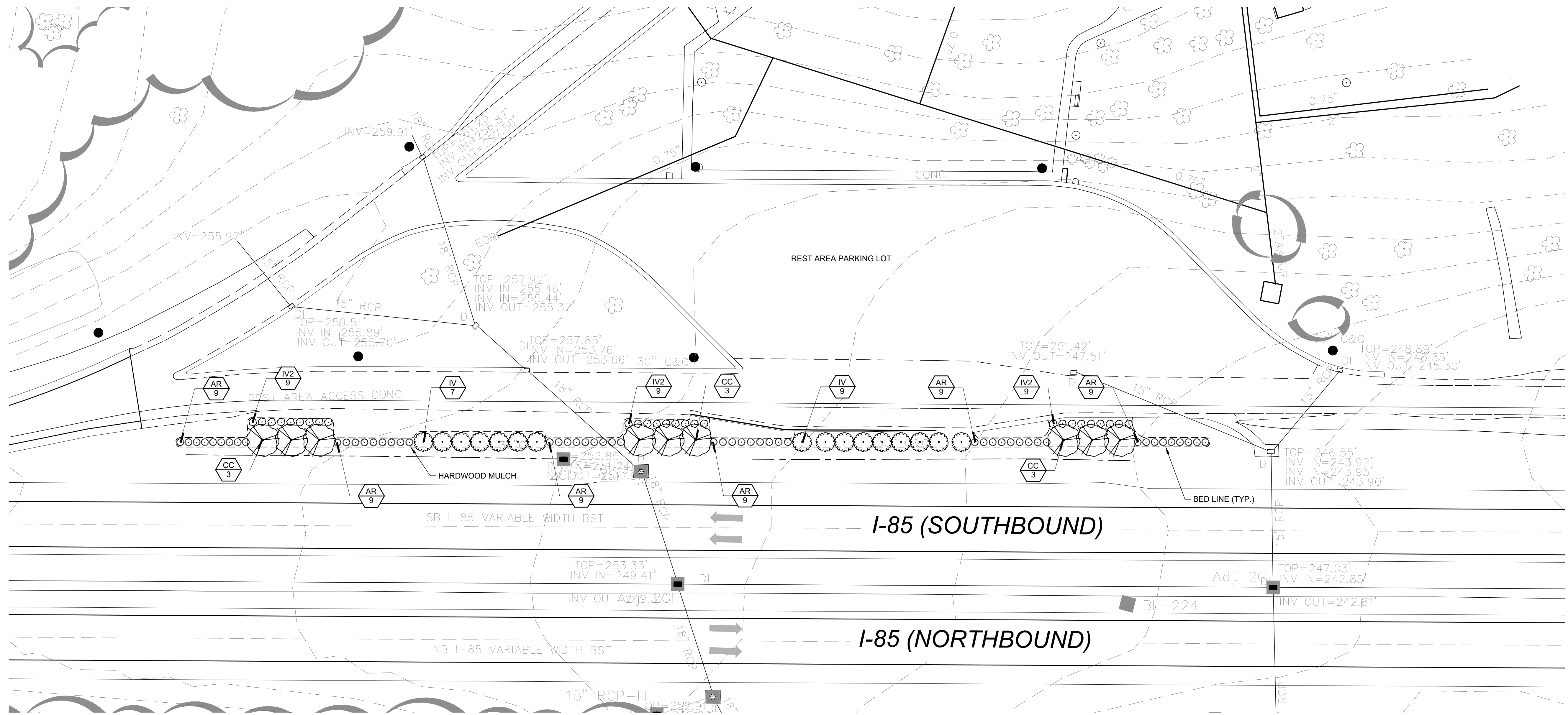
SHEET DESCRIPTION:  
 DEMOLITION PLAN  
 REST AREA

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:  
 L280  
 TOTAL NUMBER OF SHEETS: 49



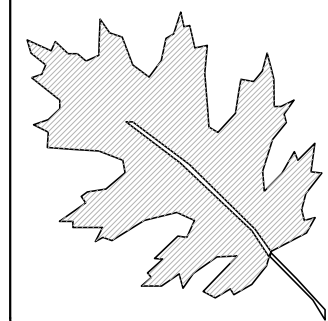
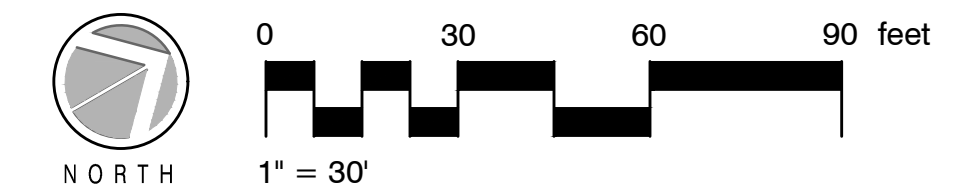


**PLANT SCHEDULE L281**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
CC	9	Cercis canadensis / Eastern Redbud Multi-trunk	B & B	2" Cal	8' min.	Full & Heavy; Uniform Canopy
SHRUBS	QTY	BOTANICAL NAME / COMMON NAME	CONT	HEIGHT	REMARKS	
AR	54	Aronia arbutifolia / Red Chokeberry	5 gal	24" Min	Full & Heavy	
IV	16	Ilex vomitoria / Yaupon Holly	5 gal	24" Min	Full & Heavy; Provide at least one male plant per 6 female plants	
IV2	27	Ilex vomitoria 'Nana' / Dwarf Yaupon	3 gal	18" Min	Full & Heavy	

**IMPROVEMENTS - REST AREA**

QTY	UNIT	SPEC SECTION	ITEM
54	CY	1670	Hardwood Mulch
500	SY	1670	Pre-emergent herbicide treatment (post install)
0.5	AC	SP	First Year Spring Seeding (Turf)
0.5	AC	SP	First Year Fall Treatment (Turf)



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[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

185 LANDSCAPE  
 IMPROVEMENTS  
 PROJECT #: I-0914BA

LANDSCAPE ARCHITECT :

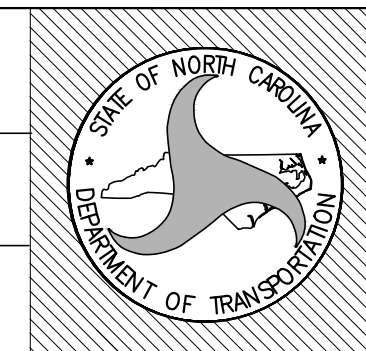


PLANTING PLAN  
 REST AREA

PREL DESIGN DATE:  
 12.21.2018

CHECKED BY & DATE :  
 JAB / 07.01.2021

FINAL DESIGN DATE :  
 07.01.2021



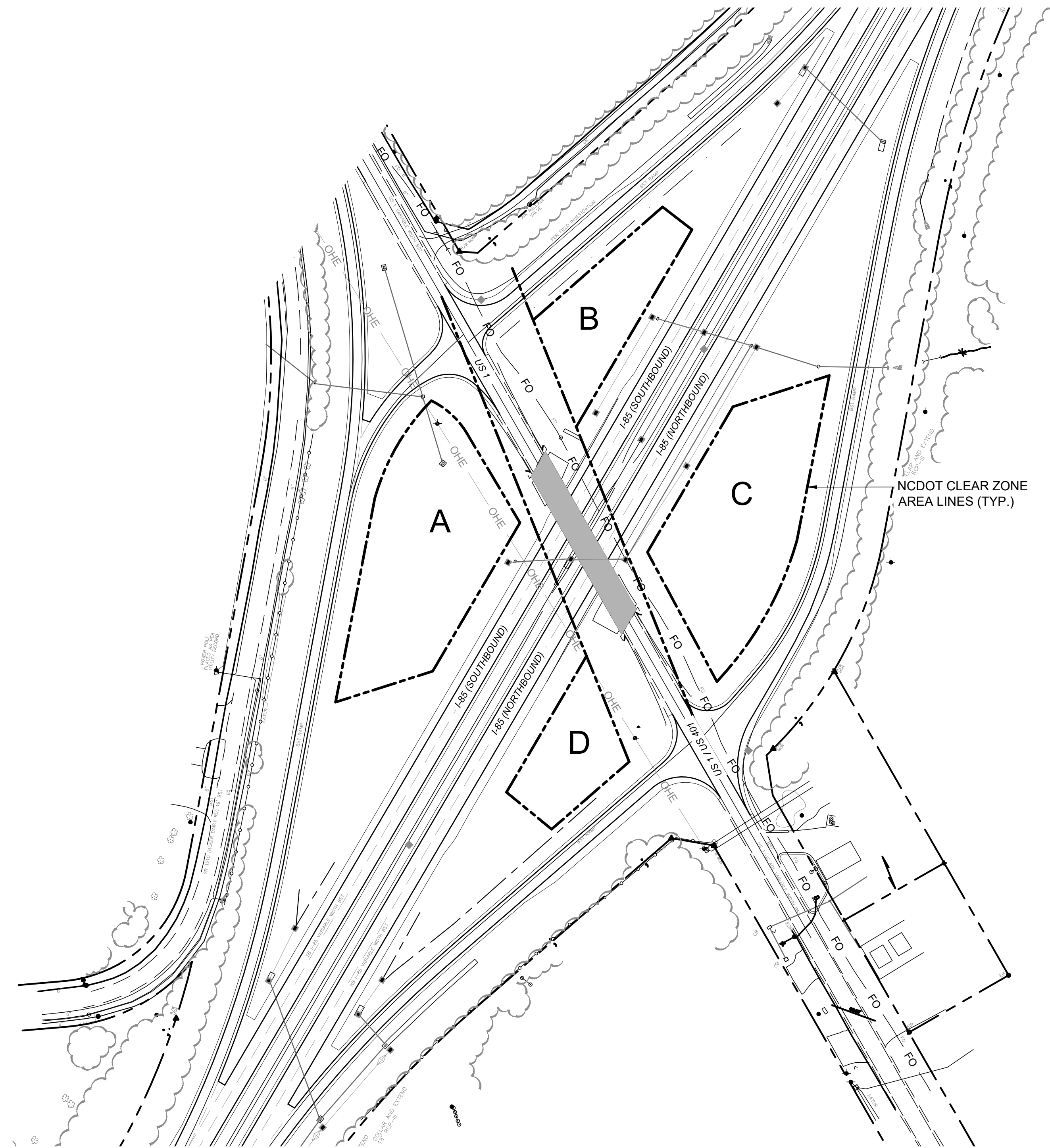
SHEET NO:  
 L281

TOTAL NUMBER OF SHEETS: 49

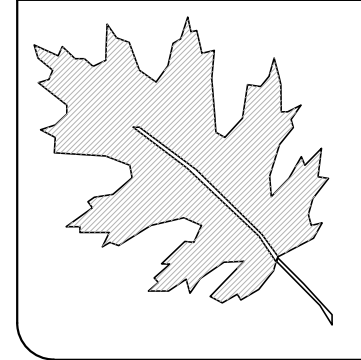
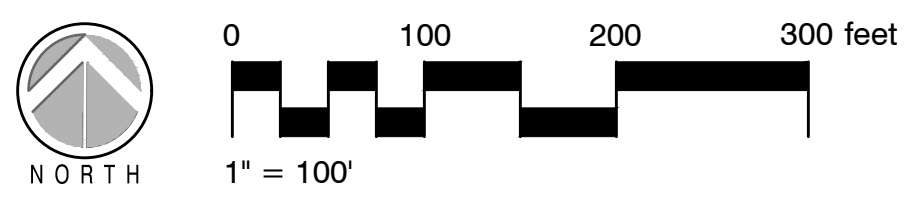
BID SET DRAWINGS







DEMOLITION - US 1			
QTY	UNIT	SPEC SECTION	ITEM
1,212	SY	1670	Post-emergent herbicide treatment (kill ex. vegetation in plant beds)



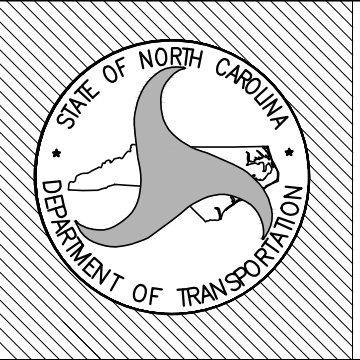
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
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185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



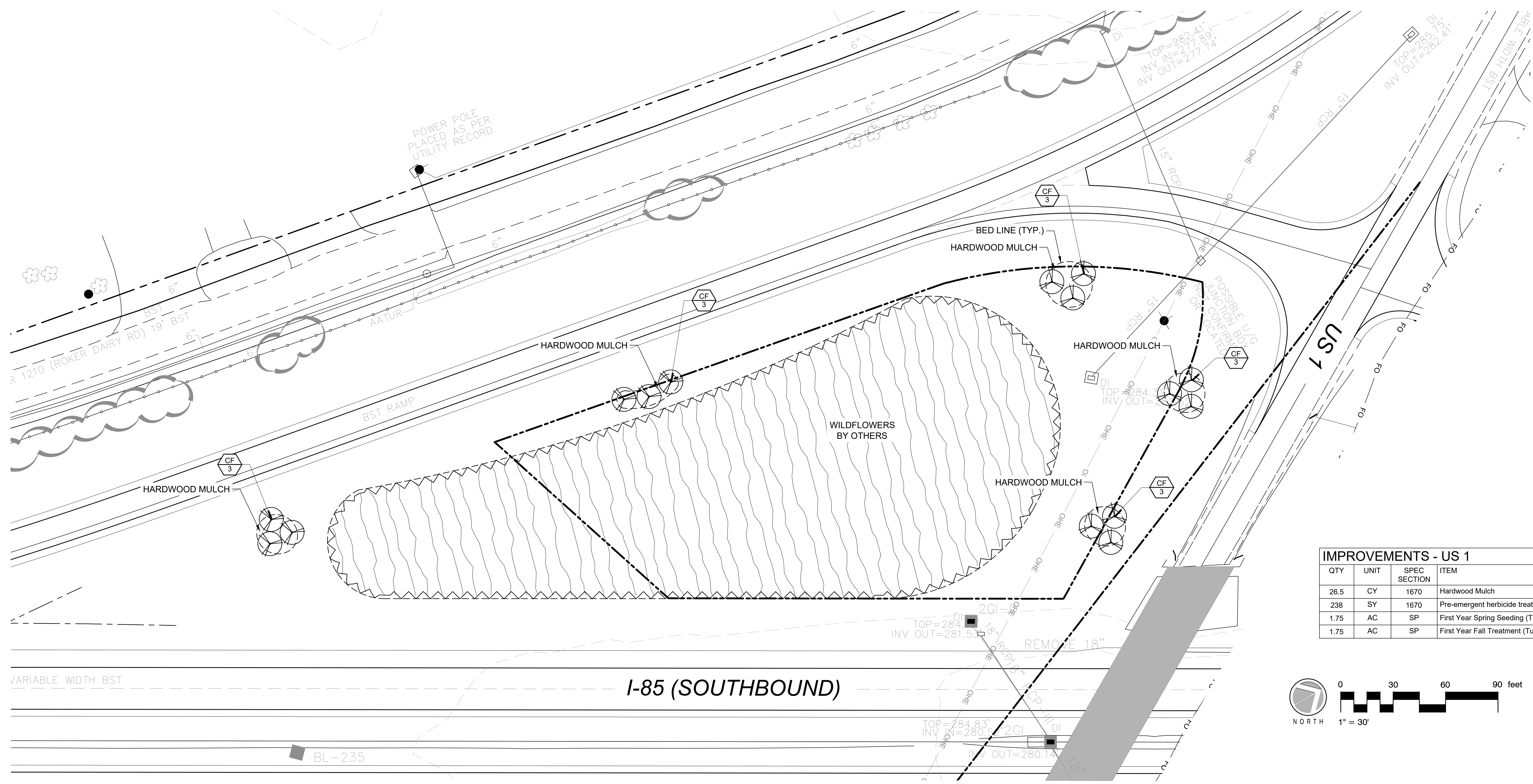
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 DEMOLITION PLAN  
 US 1  
 EXIT 233

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021

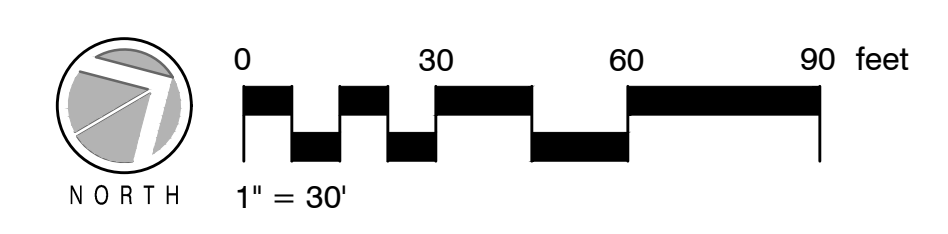


SHEET NO:  
 L290  
 TOTAL NUMBER OF SHEETS: 49



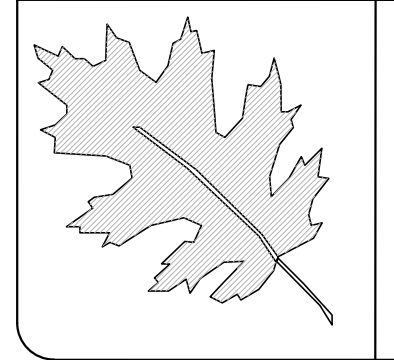


IMPROVEMENTS - US 1			
QTY	UNIT	SPEC SECTION	ITEM
26.5	CY	1670	Hardwood Mulch
238	SY	1670	Pre-emergent herbicide treatment (post install)
1.75	AC	SP	First Year Spring Seeding (Turf)
1.75	AC	SP	First Year Fall Treatment (Turf)



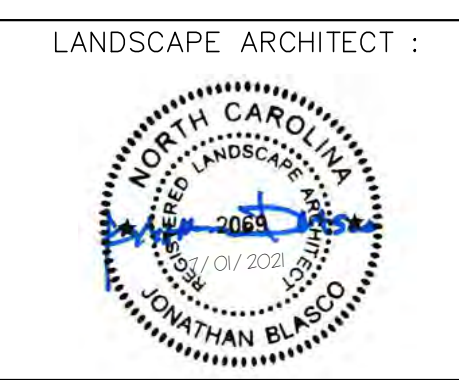
**PLANT SCHEDULE L291**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
CF	15	Cercis canadensis 'Forest Pansy'™ / Forest Pansy Redbud	B & B	2" Cal	8' min.	Full & Heavy; Single Straight Leader



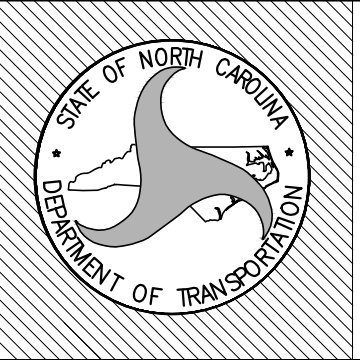
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



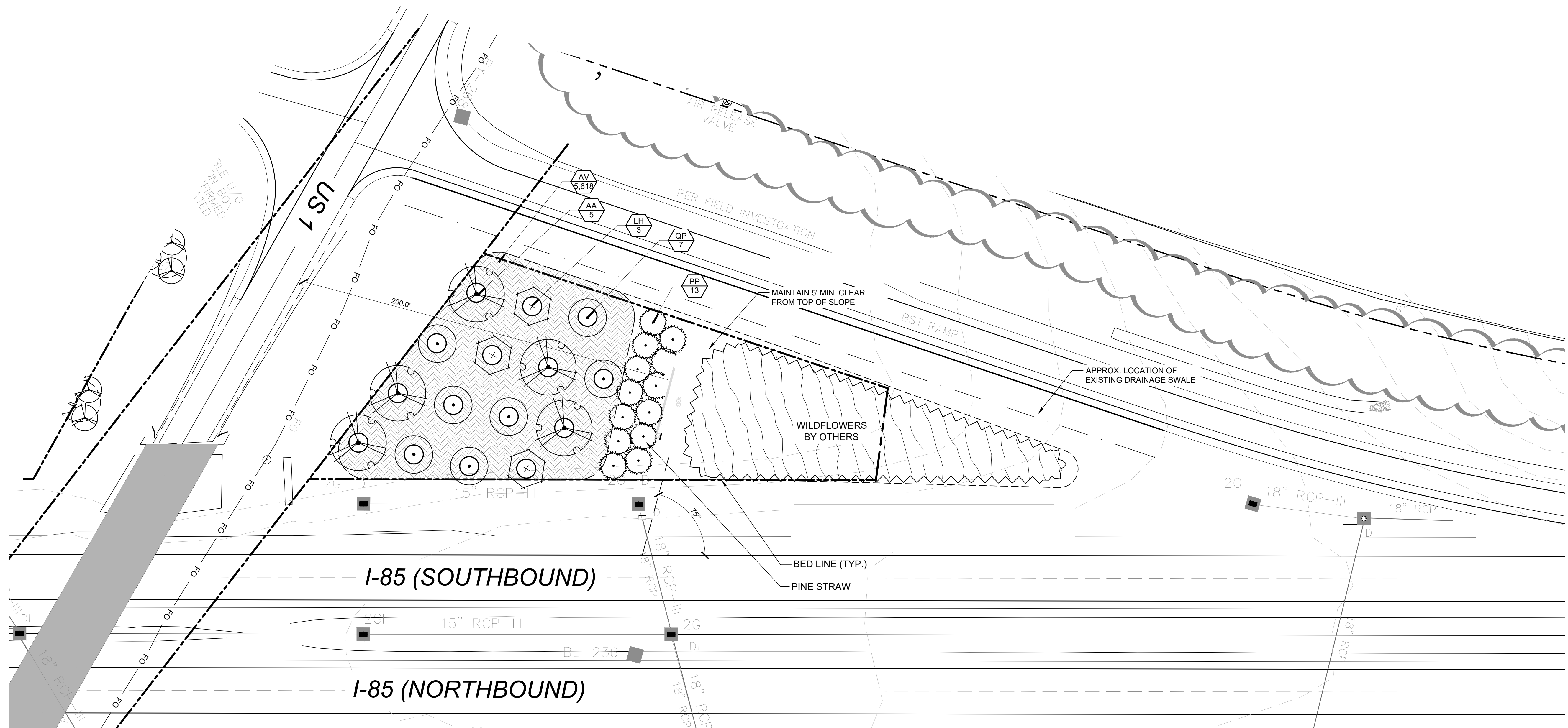
LANDSCAPE ARCHITECT :  
 SHEET DESCRIPTION:  
 PLANTING PLAN  
 US 1  
 QUADRANT a

PREL DESIGN DATE:  
12.21.2018  
 CHECKED BY & DATE :  
JAB / 07.01.2021  
 FINAL DESIGN DATE :  
07.01.2021



SHEET NO:  
**L291**  
 TOTAL NUMBER OF SHEETS: 49

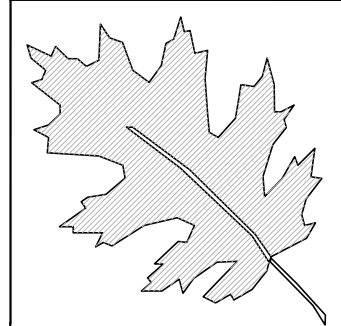
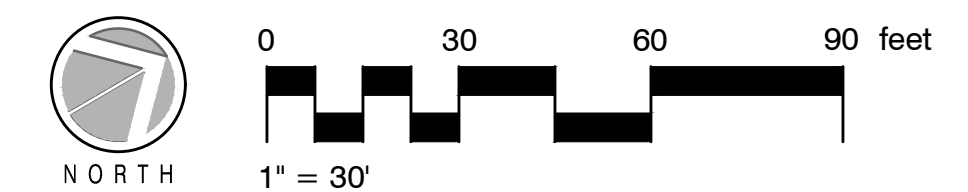




**PLANT SCHEDULE L292**

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
AA	5	Acer freemanii / Autumn Blaze Maple	B & B	2" Cal	10' min.	Full & Heavy, Single Straight Leader, Uniform Canopy
LH	3	Liquidambar styraciflua / Hoppdell / Hoppidaze Sweet Gum	B & B	2" Cal	10' min.	Full & Heavy, Single Straight Leader, Uniform Canopy
QP	7	Quercus palustris / Pin Oak	B & B	3" Cal		Full & Heavy
QP	7	Quercus palustris / Pin Oak	B & B	2" Cal	10' min.	Full & Heavy, Single Straight Leader, Uniform Canopy
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT			
AV	5,618	Andropogon virginicus / Broomsedge Bluestem	4" plug	Full & Heavy		

IMPROVEMENTS - US 1			
QTY	UNIT	SPEC SECTION	ITEM
16,837	SF	1670	Pine Straw Mulch (Reforested Areas)
554	SY	1670	Pre-emergent herbicide treatment (post install)
1	AC	SP	First Year Spring Seeding (Turf)
1	AC	SP	First Year Fall Treatment (Turf)



NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
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[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

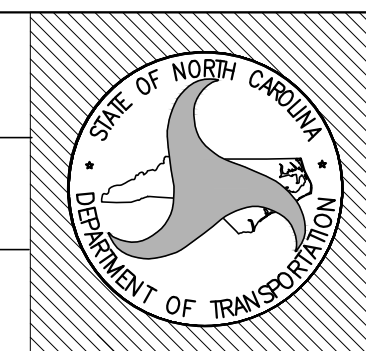
185 LANDSCAPE  
 IMPROVEMENTS  
 PROJECT #: 1-0914BA

LANDSCAPE ARCHITECT :



SHEET DESCRIPTION:  
 PLANTING PLAN  
 US 1  
 QUADRANT B

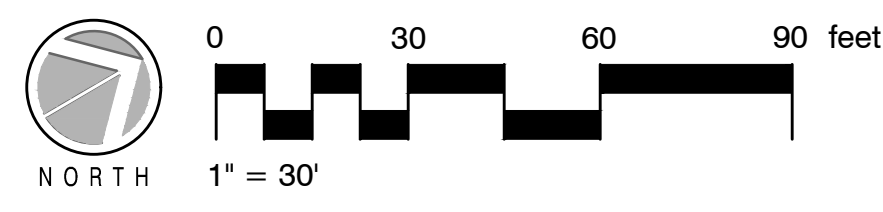
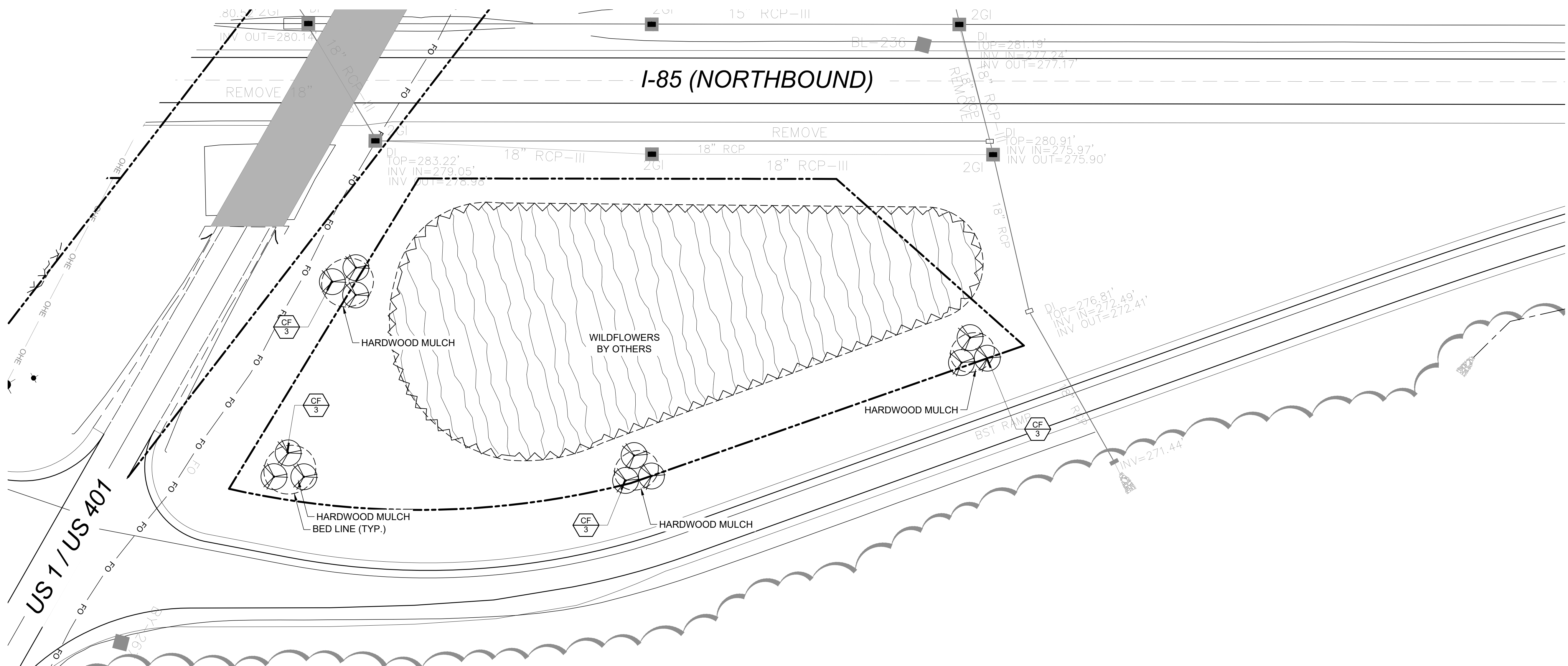
PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:  
 L292  
 TOTAL NUMBER OF SHEETS: 49





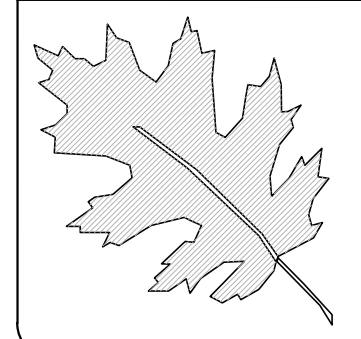


**PLANT SCHEDULE L293**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
CF	12	Cercis canadensis 'Forest Pansy' TM / Forest Pansy Redbud	B & B	2" Cal	8' min.	Full & Heavy; Single Straight Leader

**IMPROVEMENTS - US 1**

QTY	UNIT	SPEC SECTION	ITEM
23.25	CY	1670	Hardwood Mulch
209	SY	1670	Pre-emergent herbicide treatment (post install)
2.00	AC	SP	First Year Spring Seeding (Turf)
2.00	AC	SP	First Year Fall Treatment (Turf)



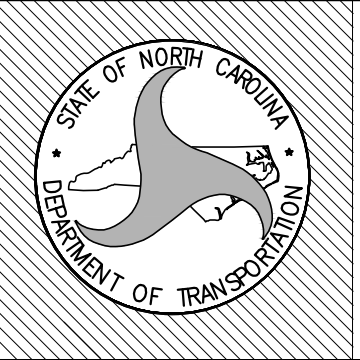
NCDOT – ROADSIDE ENVIRONMENTAL UNIT  
 LANDSCAPE DESIGN & DEVELOPMENT  
 1557 MAIL SERVICE CENTER, RALEIGH, NC 27699-1557  
 PH: 919-707-2920 FAX: 919-715-2554  
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185 LANDSCAPE IMPROVEMENTS  
 PROJECT #: I-0914BA



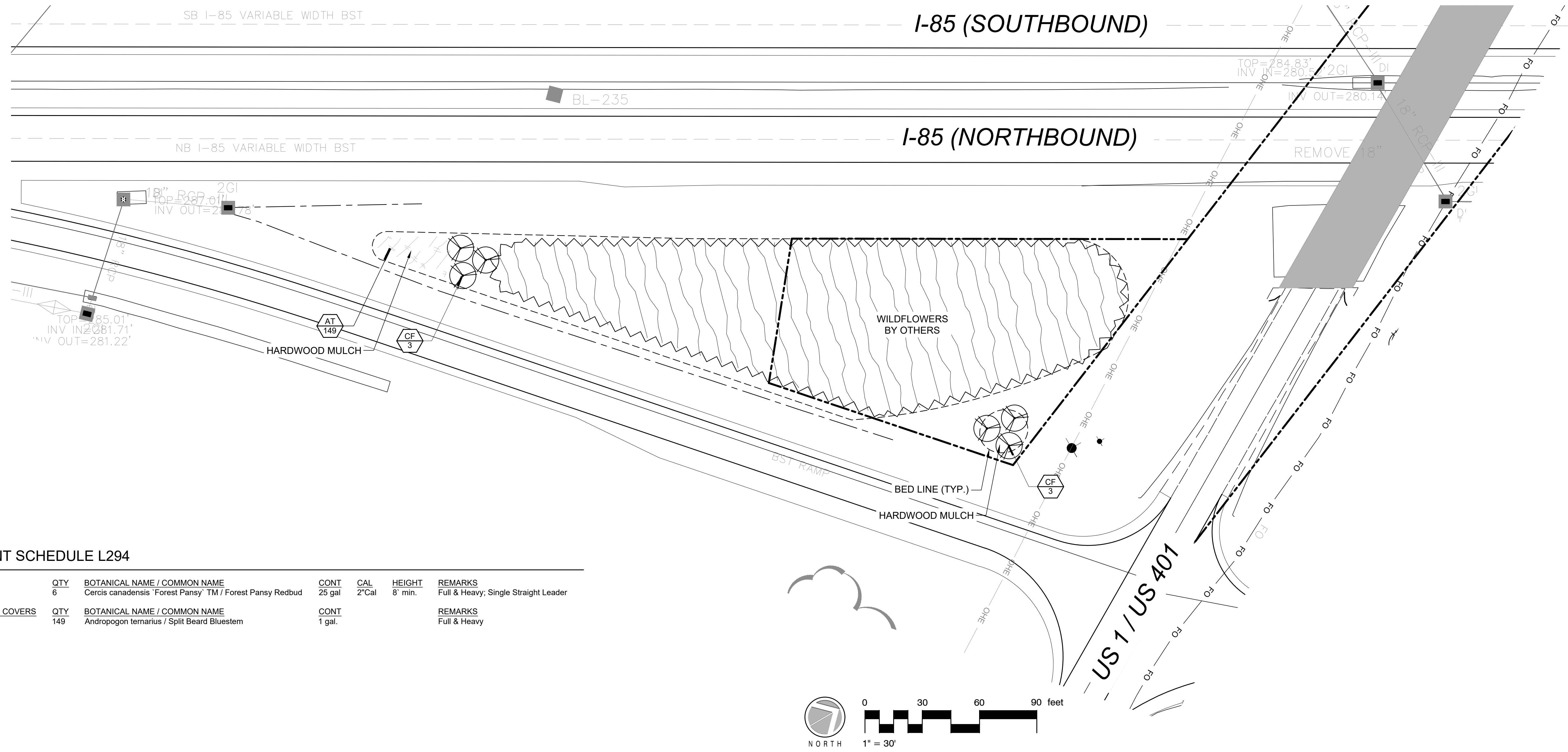
LANDSCAPE ARCHITECT :  
 SHEET DESCRIPTION:  
 PLANTING PLAN  
 US 1  
 QUADRANT C

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
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 FINAL DESIGN DATE :  
 07.01.2021



SHEET NO:  
**L293**  
 TOTAL NUMBER OF SHEETS: 49



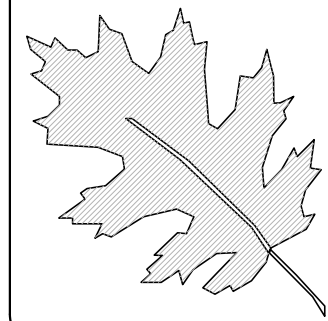


**PLANT SCHEDULE L294**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	HEIGHT	REMARKS
CF	6	Cercis canadensis 'Forest Pansy' TM / Forest Pansy Redbud	25 gal	2" Cal	8' min.	Full & Heavy; Single Straight Leader
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	CONT	REMARKS		
AT	149	Andropogon ternarius / Split Beard Bluestem	1 gal.	Full & Heavy		

**IMPROVEMENTS - US 1**

QTY	UNIT	SPEC SECTION	ITEM
21.00	CY	1670	Hardwood Mulch
211	SY	1670	Pre-emergent herbicide treatment (post install)
1.00	AC	SP	First Year Spring Seeding (Turf)
1.00	AC	SP	First Year Fall Treatment (Turf)



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[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

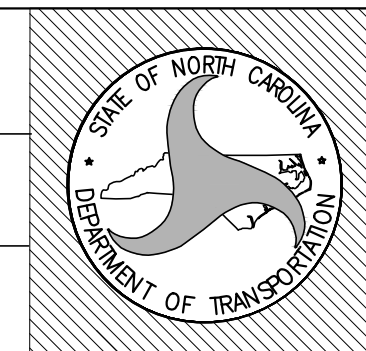
185 LANDSCAPE  
 IMPROVEMENTS  
 PROJECT #: 1-0914BA

LANDSCAPE ARCHITECT :



SHEET DESCRIPTION:  
 PLANTING PLAN  
 US 1  
 QUADRANT D

PREL DESIGN DATE:  
 12.21.2018  
 CHECKED BY & DATE :  
 JAB / 07.01.2021  
 FINAL DESIGN DATE :  
 07.01.2021

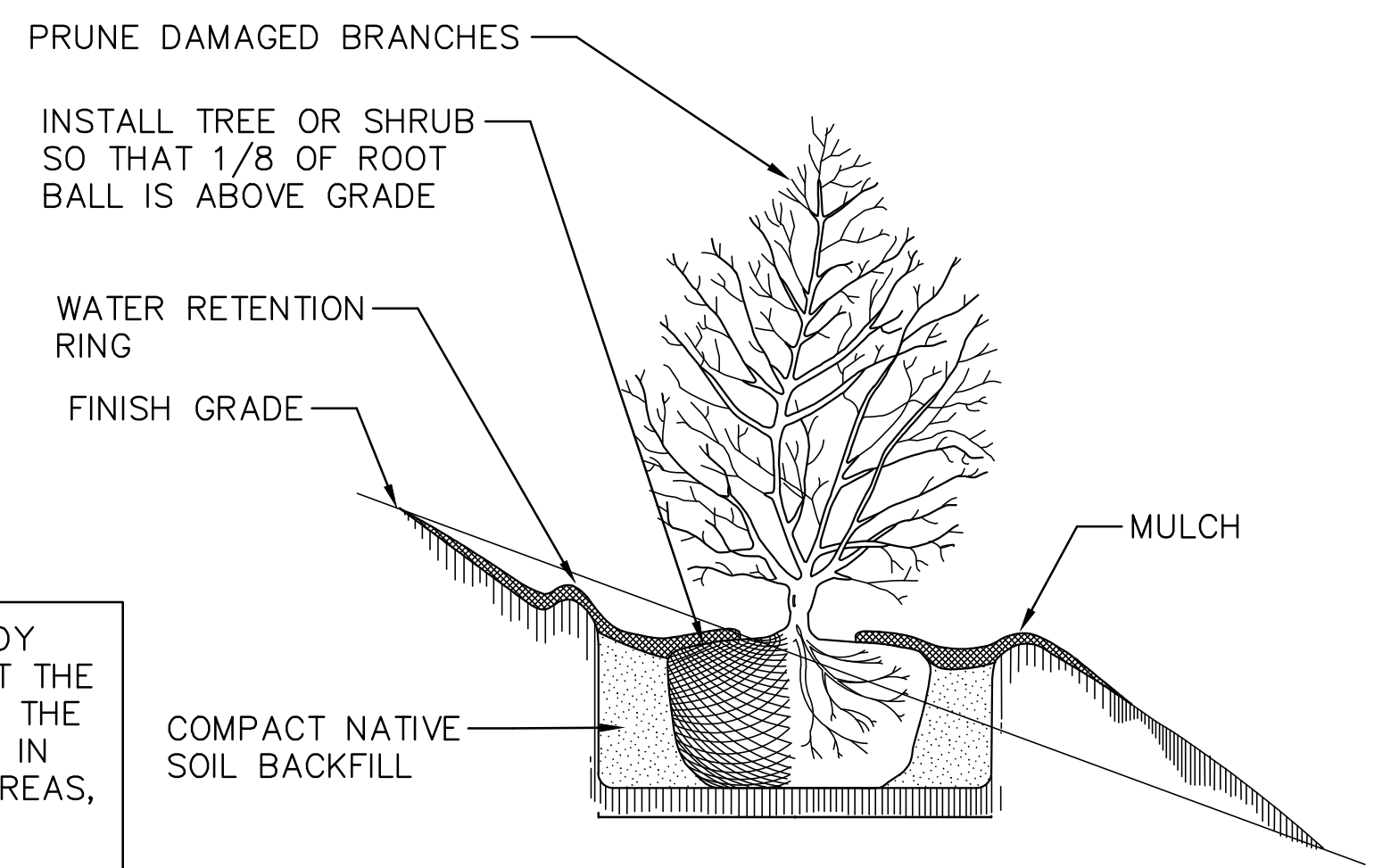
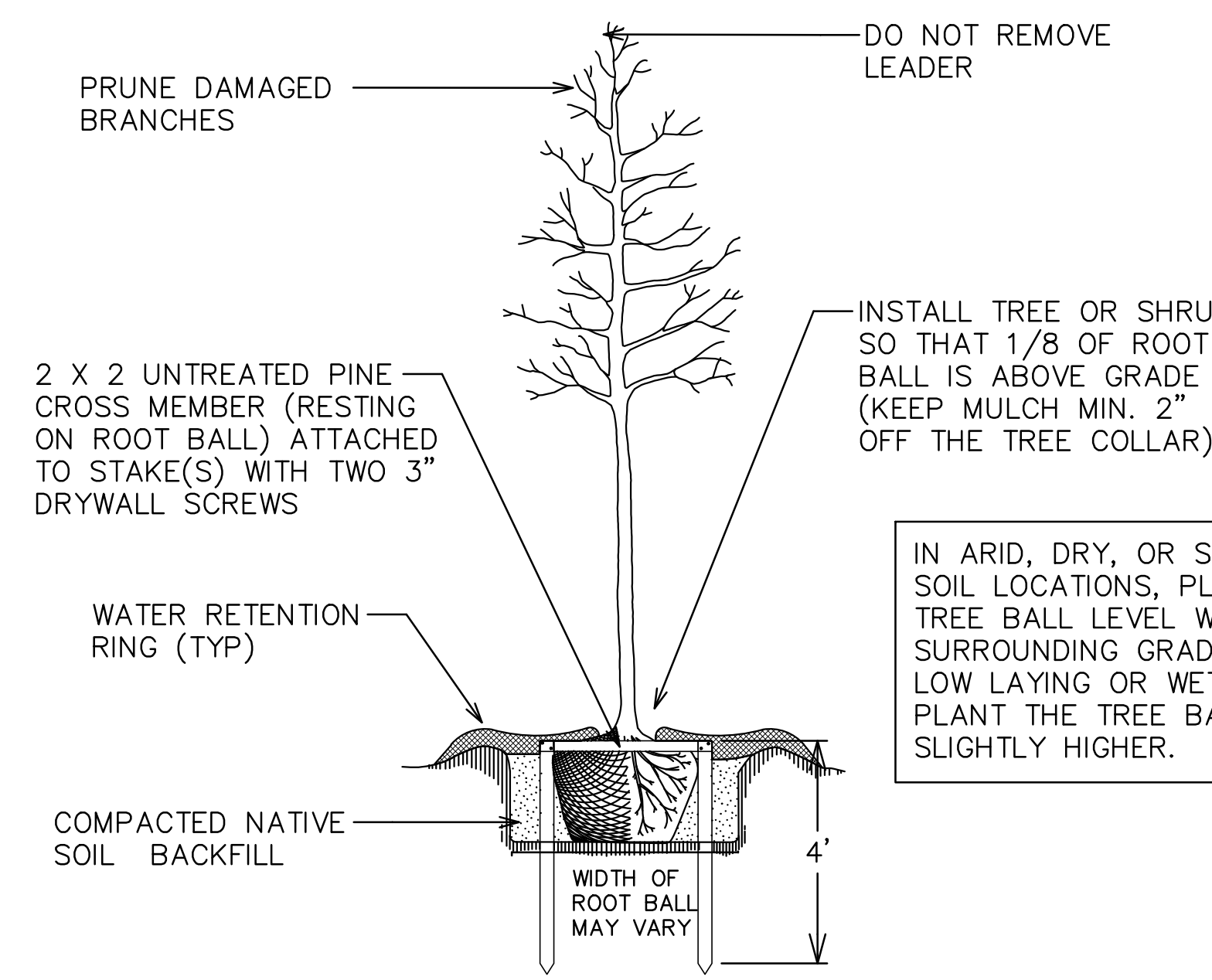


SHEET NO:  
 L294

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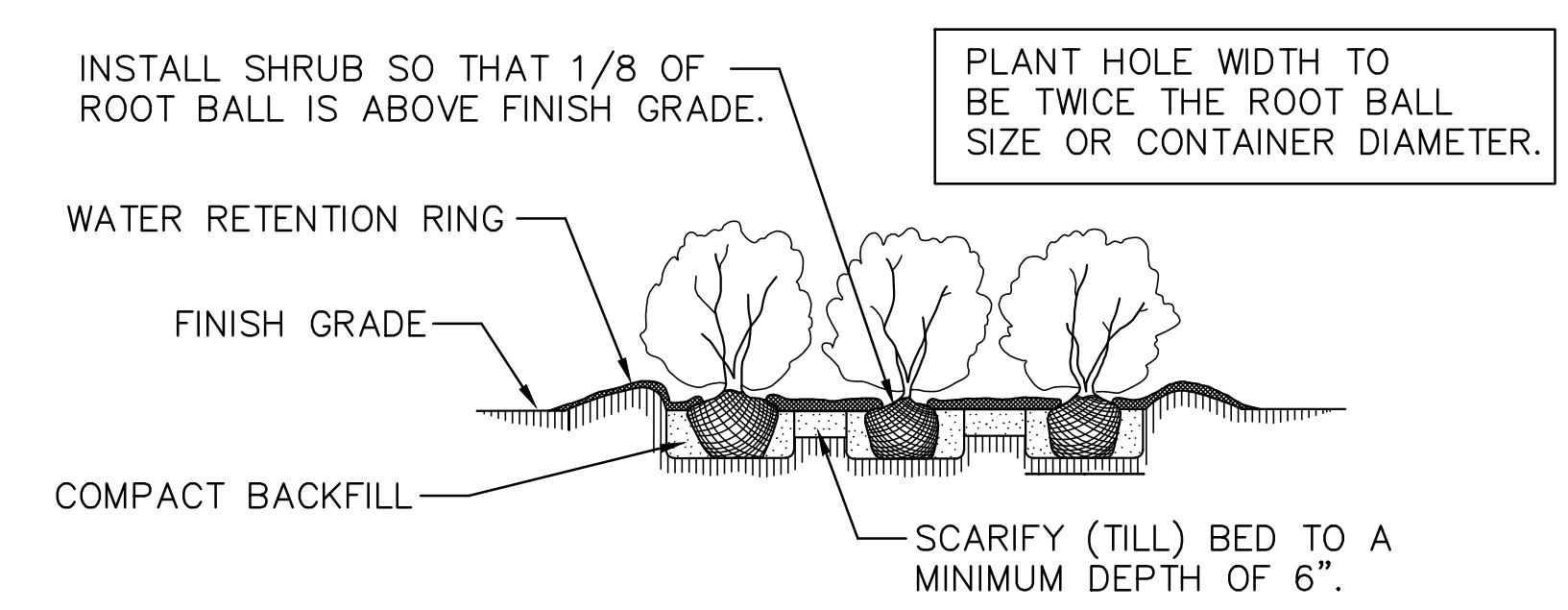
BID SET DRAWINGS



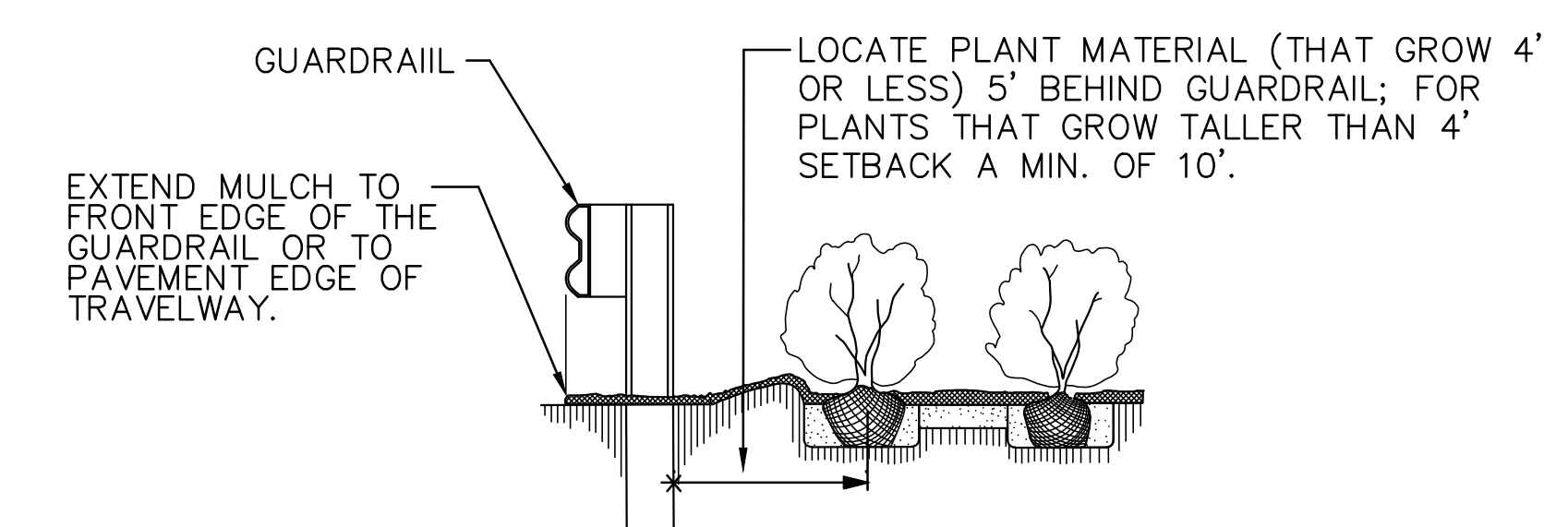


IN ARID, DRY, OR SANDY SOIL LOCATIONS, PLANT THE TREE BALL LEVEL WITH THE SURROUNDING GRADE. IN LOW LAYING OR WET AREAS, PLANT THE TREE BALL SLIGHTLY HIGHER.

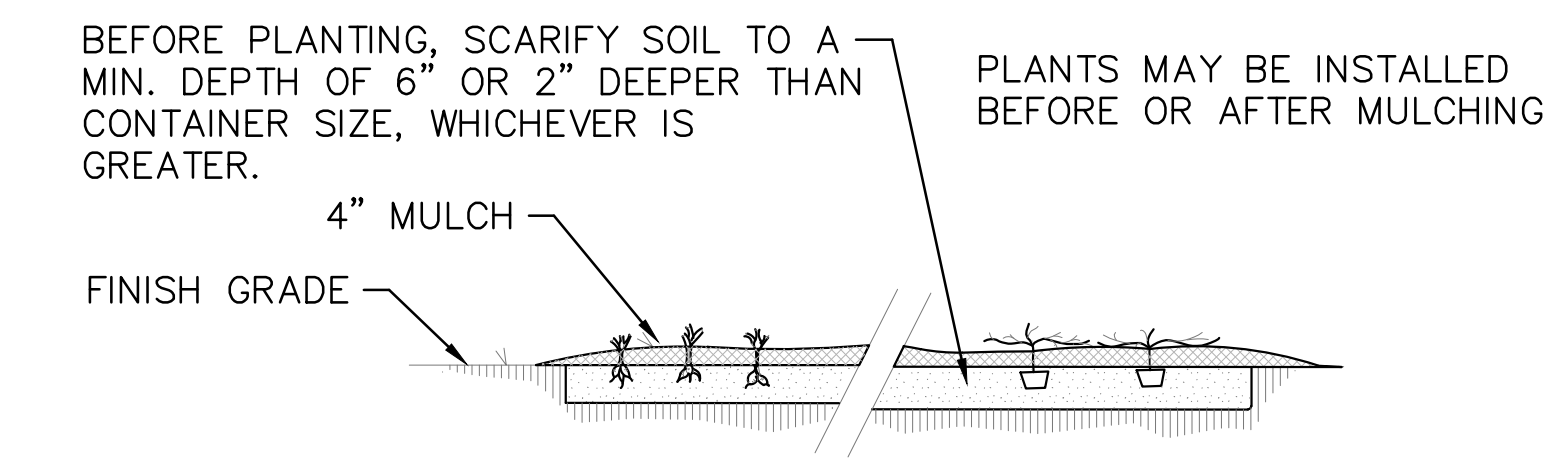
TREE OR SHRUB PLANTING DETAIL (SLOPING GROUND)



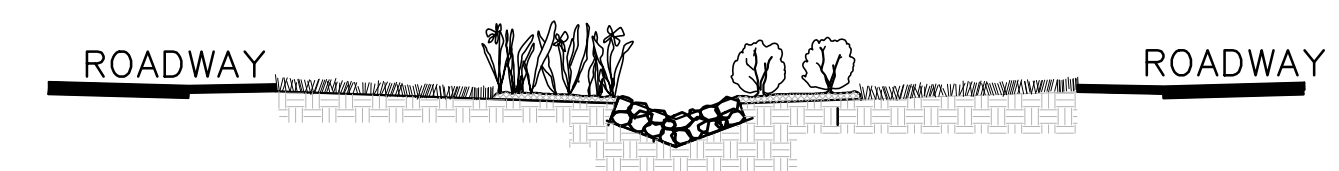
SHRUB BED PLANTING DETAIL



GUARDRAIL MULCHING DETAIL  
USE AS DIRECTED BY FIELD ENGINEER

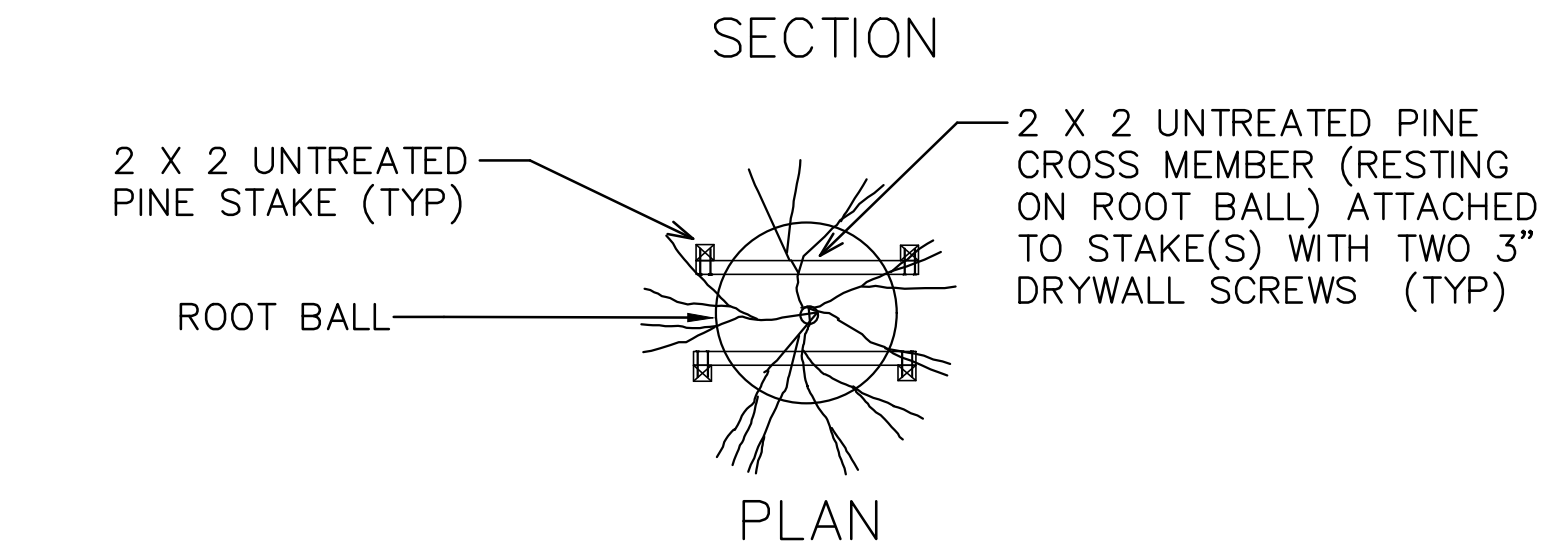


GROUND COVER/ BEDDING PLANT DETAIL

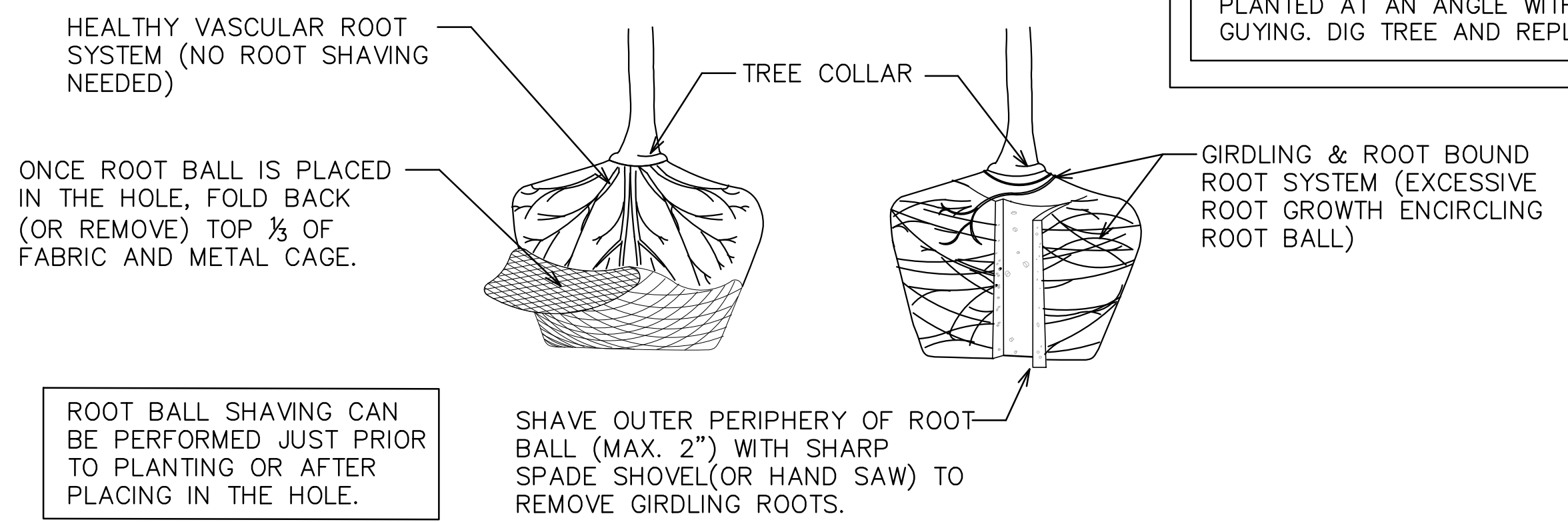


MIN. 12" DEEP CLASS "A" STONE ON FILTER FABRIC LINER IN DITCH. PLACE STONE FLUSH WITH DITCH GRADE FOR MAXIMUM WATER FLOW.

CLASS "A" STONE DITCH LINING DETAIL



TREE PLANTING & ROOT BALL STAKING DETAIL (STAKE TREES 8' OR TALLER)

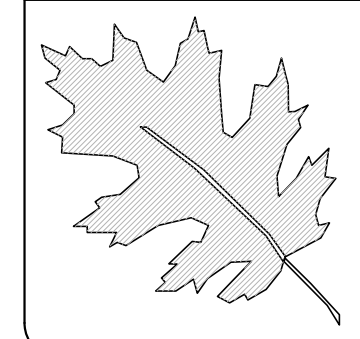


ROOT BALL SHAVING CAN BE PERFORMED JUST PRIOR TO PLANTING OR AFTER PLACING IN THE HOLE.

TREE PLANTING INSTRUCTIONS (FOR CONTAINER OR BALLED & BURLAPPED TREES)

NOTES:

- PLANT HOLE WIDTH TO BE 3 TIMES THE ROOT BALL SIZE OR CONTAINER DIAMETER.
- ADD COMPOST AT 25-30% BY VOLUME TO BACKFILL SOIL.
- APPLY HERBICIDES A MIN. OF 7 DAYS PRIOR TO PLANTING, BY LABEL INSTRUCTIONS, OR AS DIRECTED BY THE NCDOT ENGINEER.
- 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.
- 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.



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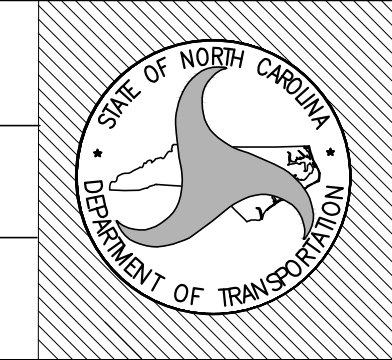
185 LANDSCAPE IMPROVEMENTS  
PROJECT #: 1-0914BA

LANDSCAPE ARCHITECT :



SHEET DESCRIPTION:	PLANTING DETAILS

PREL DESIGN DATE: 12.21.2018
CHECKED BY & DATE : JAB / 07.01.2021
FINAL DESIGN DATE : 07.01.2021



SHEET NO:  
**L300**  
TOTAL NUMBER OF SHEETS: 49

