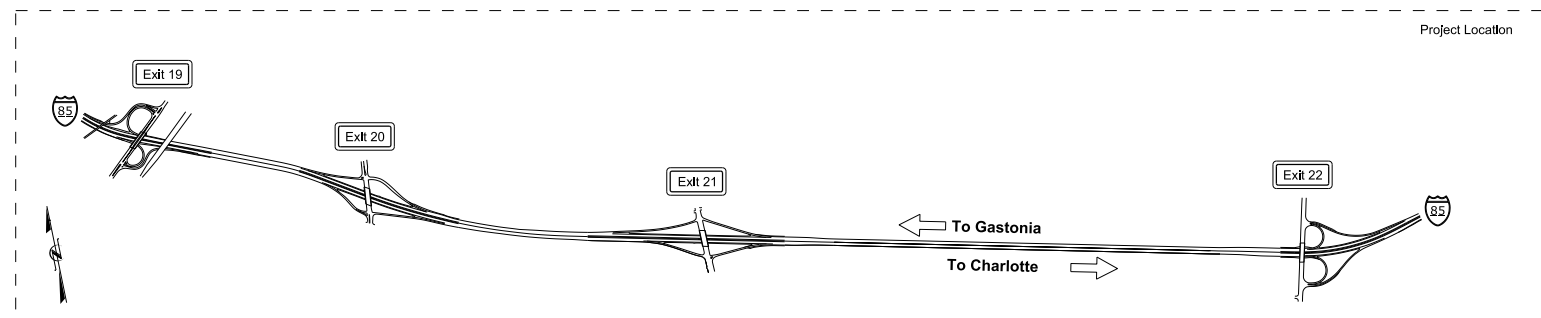
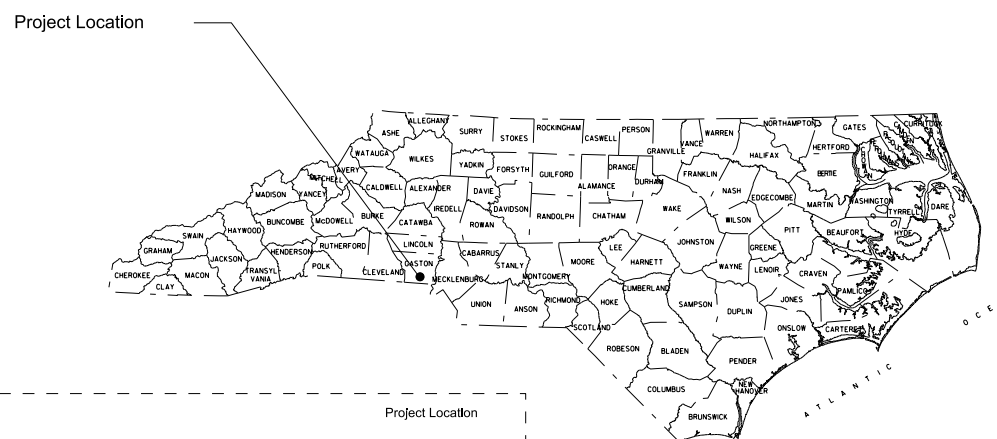
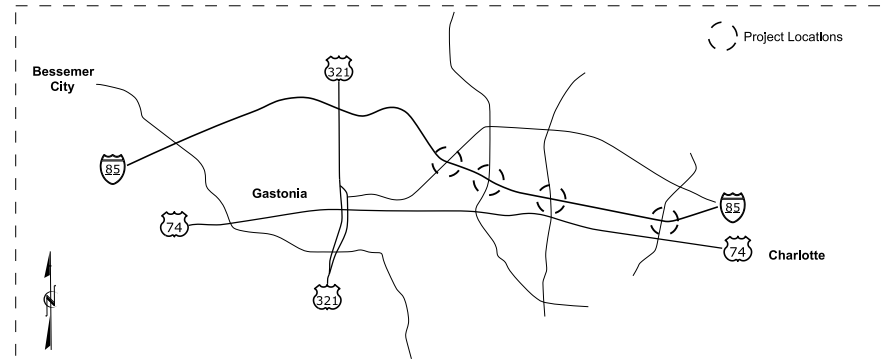




HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



| | | | |
|--------------|------------------------|---------|---------------|
| T.I.P. # | STATE PROJECT W.B.S. # | SHEET # | SHEET # TOTAL |
| - | 3712.3.19 | L1 | 10 |
| FED. PROJ. # | DESCRIPTION | | DIVISION |
| - | Enhancement | | 12 |



CONVENTIONAL SYMBOLS

| | |
|--|-------------|
| County Line | ----- |
| City or Town Line | ----- |
| Exist. Right of Way Line Marker | -----▲----- |
| Prop. Right of Way Line Marker (By Others) | -----▲----- |
| Prop. Right of Way Line Marker (By Contract) | -----▲----- |
| Exist. Control of Access Line | -----○----- |
| Prop. Control of Access Line | -----○----- |
| Property Line | ----- |
| Easement Line | ----- |
| Slope Stake Line | ----- |
| Exist. Fence | ----- |
| Prop. Woven Wire Fence | ----- |
| Prop. Chain Link Fence | ----- |
| Exist. Road | ===== |
| Prop. Road | ===== |
| Guardrail | ----- |
| Survey Line | ----- |
| Denotes Line Equality | ----- |
| Bridge | ----- |
| Culvert | ----- |
| Railroad | ----- |
| Woods | ----- |
| Exist. Telephone Pole | ----- |
| Prop. Telephone Pole | ----- |
| Tower Pole and Line | ----- |
| Exist. Power Pole | ----- |
| Prop. Power Pole | ----- |
| Sanitary Sewer Line | ----- |
| Water Line | ----- |
| Gas Line | ----- |
| Picnic Shelter | ----- |
| Regeneration | ----- |
| Reforestation | ----- |

Summary of Quantities

| SEC | QTY | UNIT | KEY | BOTANICAL NAME | COMMON NAME | SIZE | CALIPER | FURNISH | A.S.N.S. | REMARKS |
|------|------|------|-----|--|------------------------------|--------|---------|----------|----------|----------------|
| 1670 | 4 | ea | AB | <i>Acer buergerianam</i> | Trident Maple | | 2"-2.5" | B&B | 1.2.1 | As Shown |
| 1670 | 4 | ea | AR | <i>Acer rubrum 'October Glory'</i> | October Glory Red Maple | 8-10' | 2"-2.5" | B&B | 1.2.1 | As Shown |
| 1670 | 307 | ea | CP | <i>Chamaecyparis pisifera 'Golden Mop'</i> | Golden Mop False Cypress | 18-24" | | #3 cont. | 3.2.3 | 6' O.C. |
| 1670 | 2 | ea | GB | <i>Ginkgo biloba</i> | Ginkgo (Maidenhair Tree) | | 2-2.5" | B&B | | As Shown |
| 1670 | 7352 | ea | HB | <i>Hemerocallis 'Buttered Popcorn'</i> | Buttered Popcorn Daylily | | | #1 cont. | 12.2.3 | 2' O.C. |
| 1670 | 1760 | ea | HR | <i>Hemerocallis 'Russian Rhapsody'</i> | Russian Rhapsody Daylily | | | #1 cont. | 12.2.3 | 2' O.C. |
| 1670 | 43 | ea | LN | <i>Lagerstroemia indica 'Natchez'</i> | Natchez Crape Myrtle | 8-10' | | B&B | 1.3 | 3-4 stem |
| 1670 | 608 | ea | LC | <i>Loropetalum chinense var. rubrum 'ZhuZhou Fuchsia'</i> | ZhuZhou Fuchsia Fringe Flowe | 15-18" | | #3 cont. | 4.2.4 | 9' O.C. |
| 1670 | 1954 | ea | MC | <i>Muhlenbergia capillaris</i> | Pink Muhly Grass | 18-24" | | #3 cont. | 12.4 | 3.5' O.C. |
| 1670 | 2 | ea | QP | <i>Quercus palustris</i> | Pin Oak | 10-12' | 1.75-2" | B&B | 1.2.1 | As Shown |
| 1670 | 1228 | ea | RR | <i>Rosa x 'Radtko'</i> | Double Knockout Rose | 18-24" | | #3 cont. | 5.2 | 3 canes/6' O.C |
| 1670 | 2067 | CY | | Double Hammered Pine Bark Mulch for Planting | | | | | | Depth of 4" |
| 1670 | 135 | M/G | | Water for Initial Planting | | | | | | As Shown |
| SP | 1 | LS | | Selective Tree & Existing Vegetation Removal & Preparation of New Beds | | | | | | |
| SP | 1 | LS | | Plant Bed Establishment Period (12 Months) - Paid Quarterly | | | | | | |

INDEX OF L SHEETS:

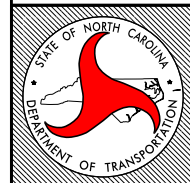
- L 1.0 - Title Sheet
- L 2.0 - Planting Details
- L 3.0 - Exit 19 Demolition Plan
- L 4.0 - Exit 19 Enhancement Plan
- L 5.0 - Exit 20 Demolition Plan
- L 6.0 - Exit 20 Enhancement Plan
- L 7.0 - Exit 21 Demolition Plan
- L 8.0 - Exit 21 Enhancement Plan
- L 9.0 - Exit 22 Demolition Plan
- L 10.0 - Exit 22 Enhancement Plan

PREPARED BY: KC DATE: 01/2015

REVISIONS

| DATE | DESCRIPTION |
|------|-------------|
| | |
| | |
| | |

PROJECT: Gastonia I-85 Exits 19-22



STATE OF
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

LOCATION: Gastonia I-85 Exits 19-22

TYPE of WORK: Enhancement Plan

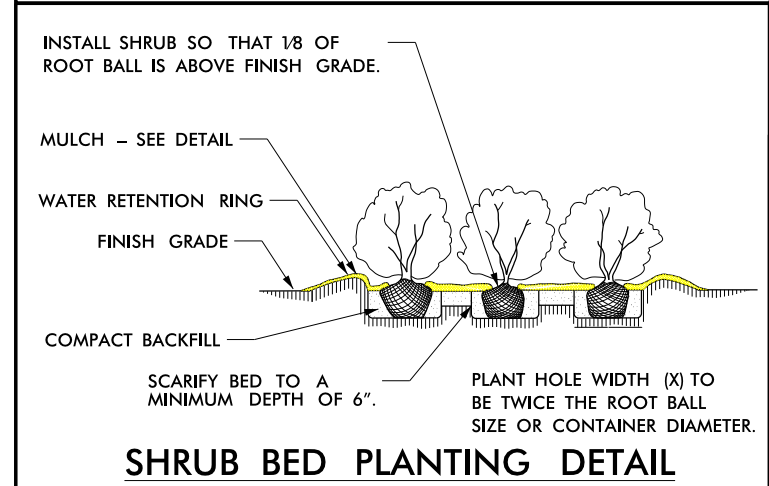
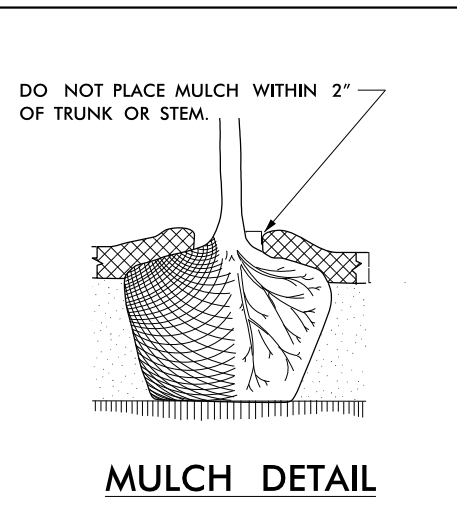
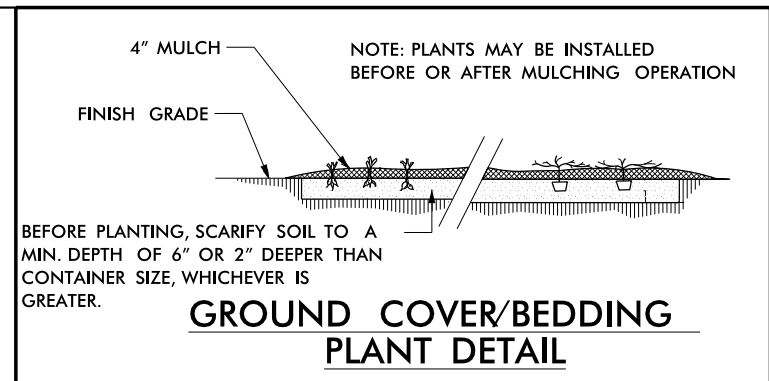
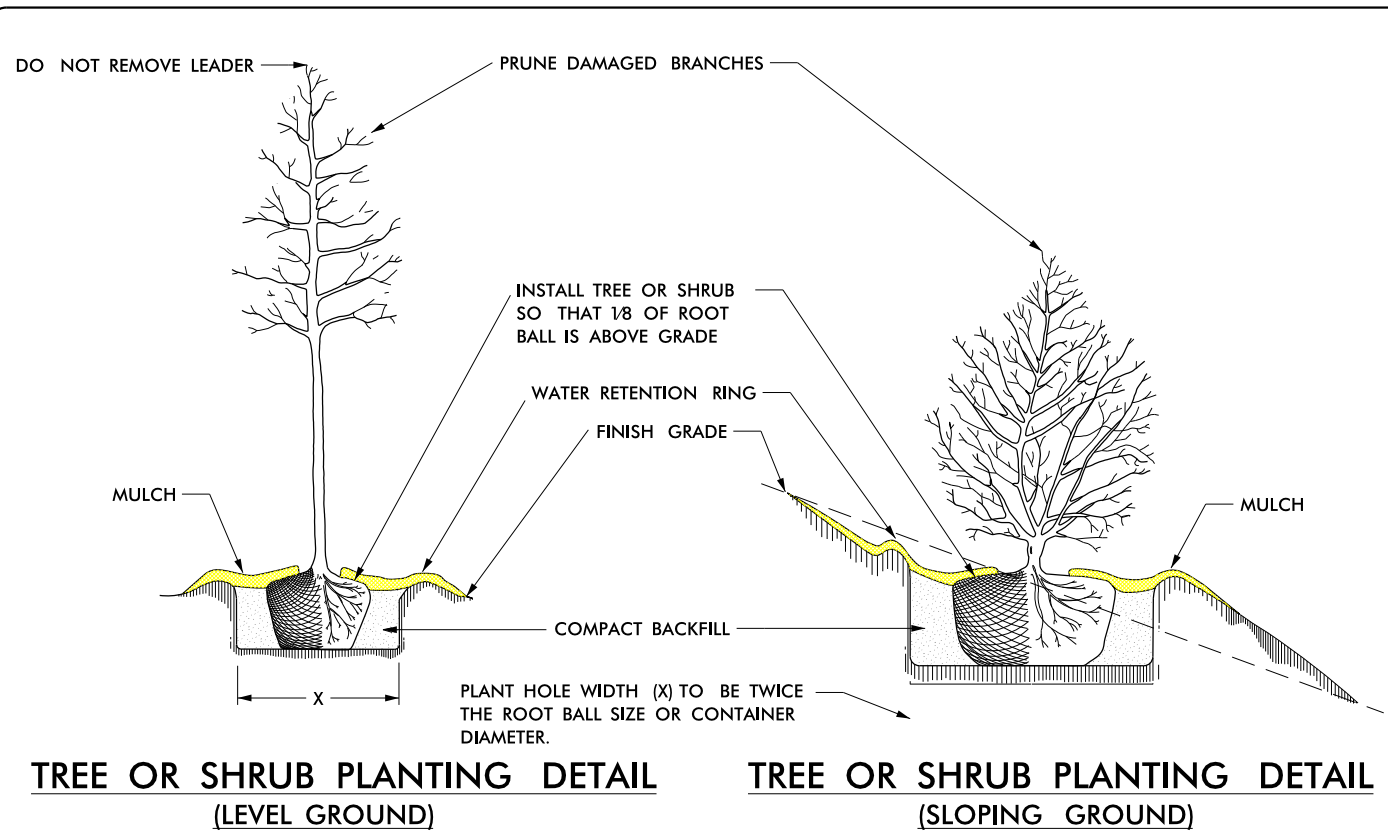
COUNTY: Gaston County

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

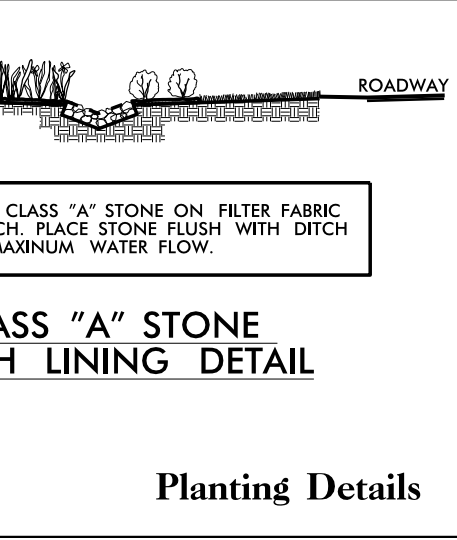
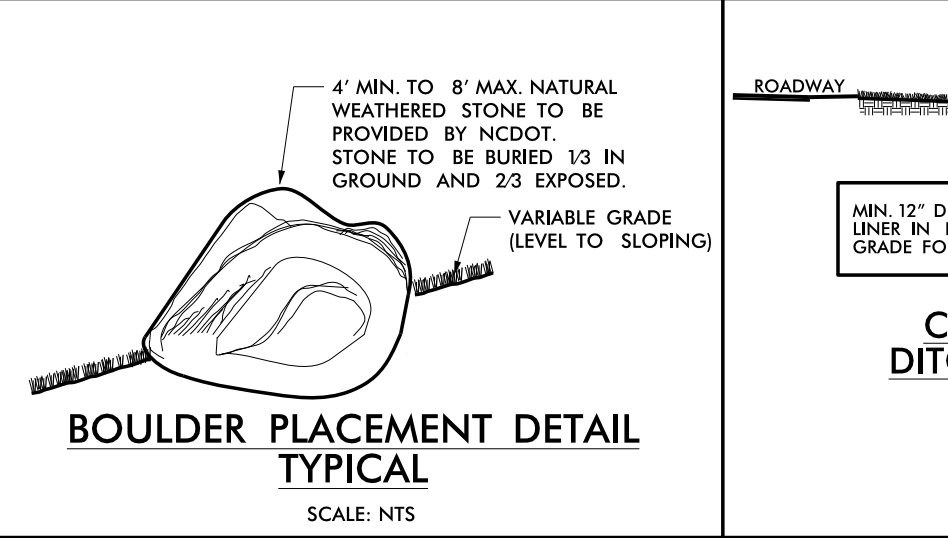
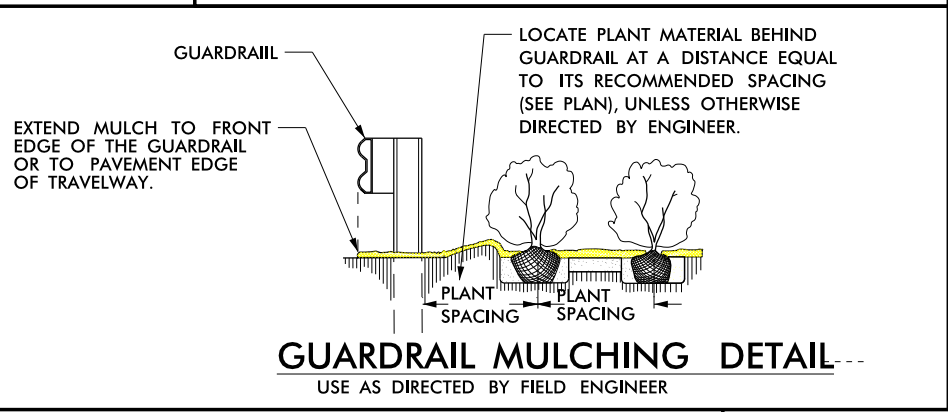
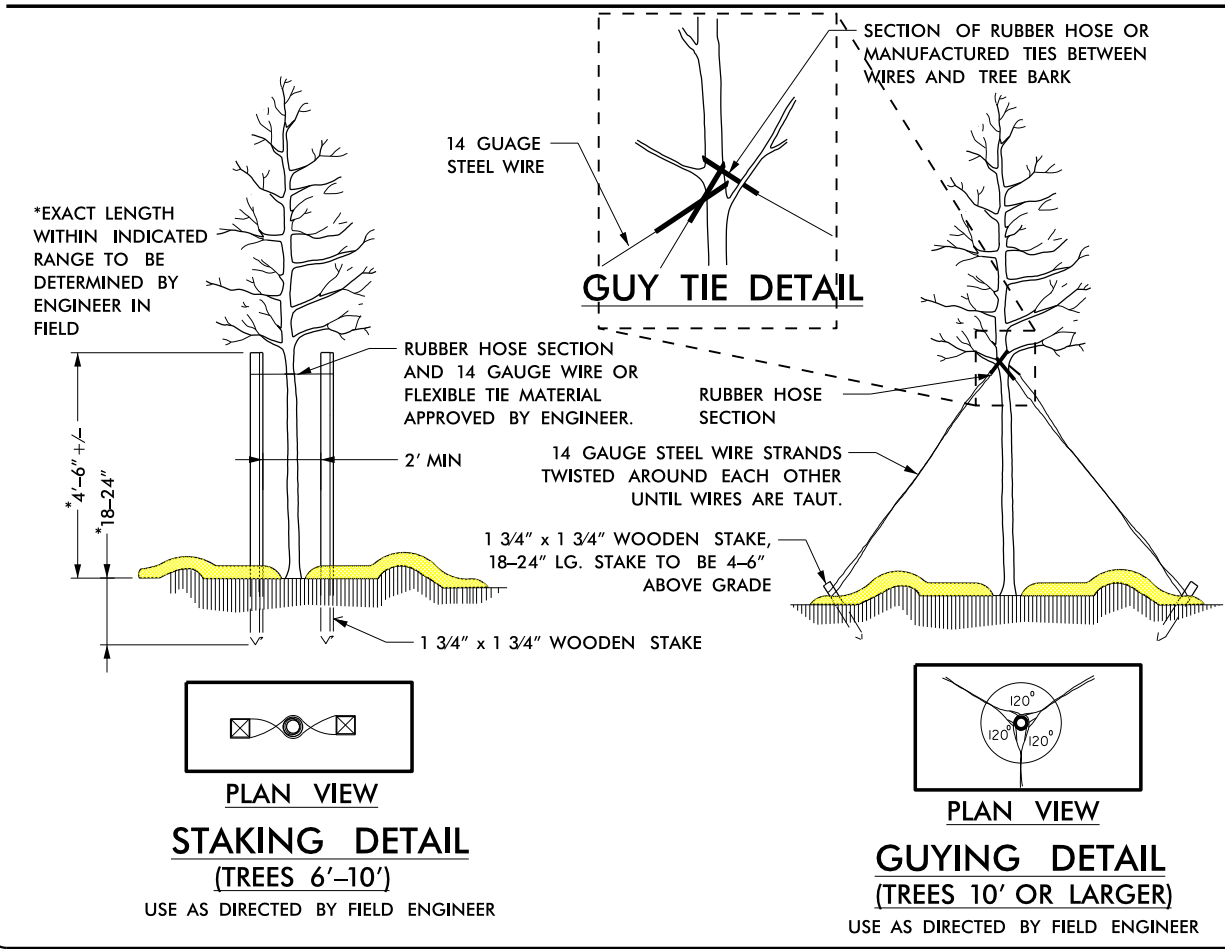
\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$SERNAME\$\$\$\$\$



| | |
|--------------------|--------------|
| Plans Drawn By: | Kyle Cooper |
| Scale: | AS NOTED |
| Date: | 01 / 27 / 15 |
| Sheet Description: | |
| T.I.P. #: | |
| Sheet #: | 1-2 |



- 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.



Clean up understory up to Railroad tracks
(Fallen limbs, debris, weeds, etc.)

Remove Existing Cherry Tree

Clean up understory up to Railroad tracks
(Fallen limbs, debris, weeds, etc.)

remove all plants and roots From Existing bed

Remove all plant Material and roots
From existing beds

remove all plants Material and roots at
corner of bridge as specified by plan

Remove existing Privet and other
plant material as shown

remove all plant Material and roots at
corner of bridge as specified by plan

remove Existing
Trees as Noted

Leave exiting trees and
re-mulch tree rings

Remove all plant material and roots
at corner of bridge

Remove all plant Material and roots
From existing bed

note: please follow directions of roadside division engineer

Key

- (---) Existing Tree
- (X) Remove Existing Tree
- (---) catch basin
- (---) swale
- (---) Remove Existing plant material
- (---) New plant Bed
- (---) Existing Plant Bed



2015 SYSTEMS DESIGN CONSULTANTS



ncdot - Roadside environmental unit
landscape design & Development
1557 mail service center raleigh nc 27699-1557
ph: 919-707-2935 fax: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Gastonia I-85 Exit 19
Gaston County
contract #: 3712.3.19

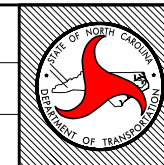
eu. Designer

Kyle Cooper

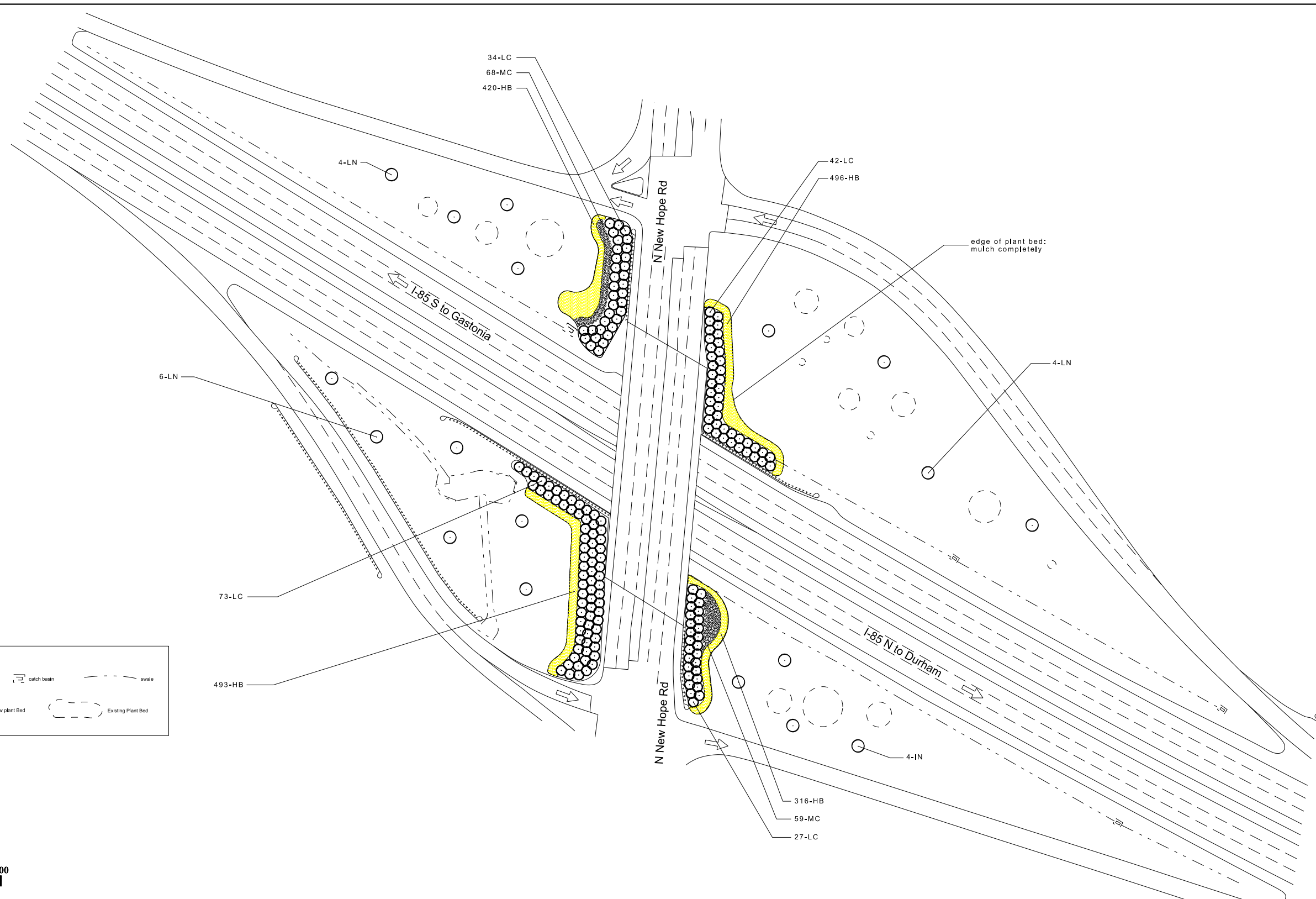
sheet description:

pref. design date : Nov. 2014
checked by & date : b. Minter
final design date : Jan. 2015

Demolition Plan
landscape plan sheet



T.I.P. #
WBS # 3712.3.19
FED I.D. #
sheet no : L-3
total sheet no : 10

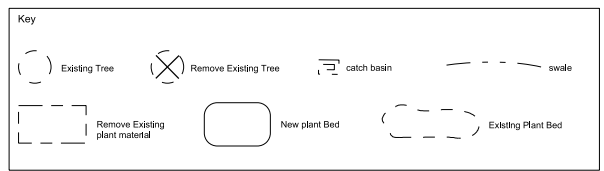


Notes

*all plant bed layouts must be approved by roadside engineer before planting. Engineer must approve plant bed changes as well.

* If guard rails fall into plant beds, mulch should be applied 4" thick under the guard rail all the way to the road in the same manner as the rest of the bed.

* All new trees and existing trees in the designated areas should receive 4" of Mulch and new tree rings.



Exit 20 plant List



2015 SYSTEMS DESIGN CONSULTANTS, LLC
 2015 SYSTEMS DESIGN CONSULTANTS, LLC
 2015 SYSTEMS DESIGN CONSULTANTS, LLC



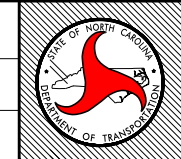
ncdot - Roadside environmental unit
 landscape design & Development
 1557 mail service center raleigh nc 27699-1557
 ph: 919-707-2935 fax: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Gastonia I-85 Exit 20
Gaston County
 contract #: 3712.3.19

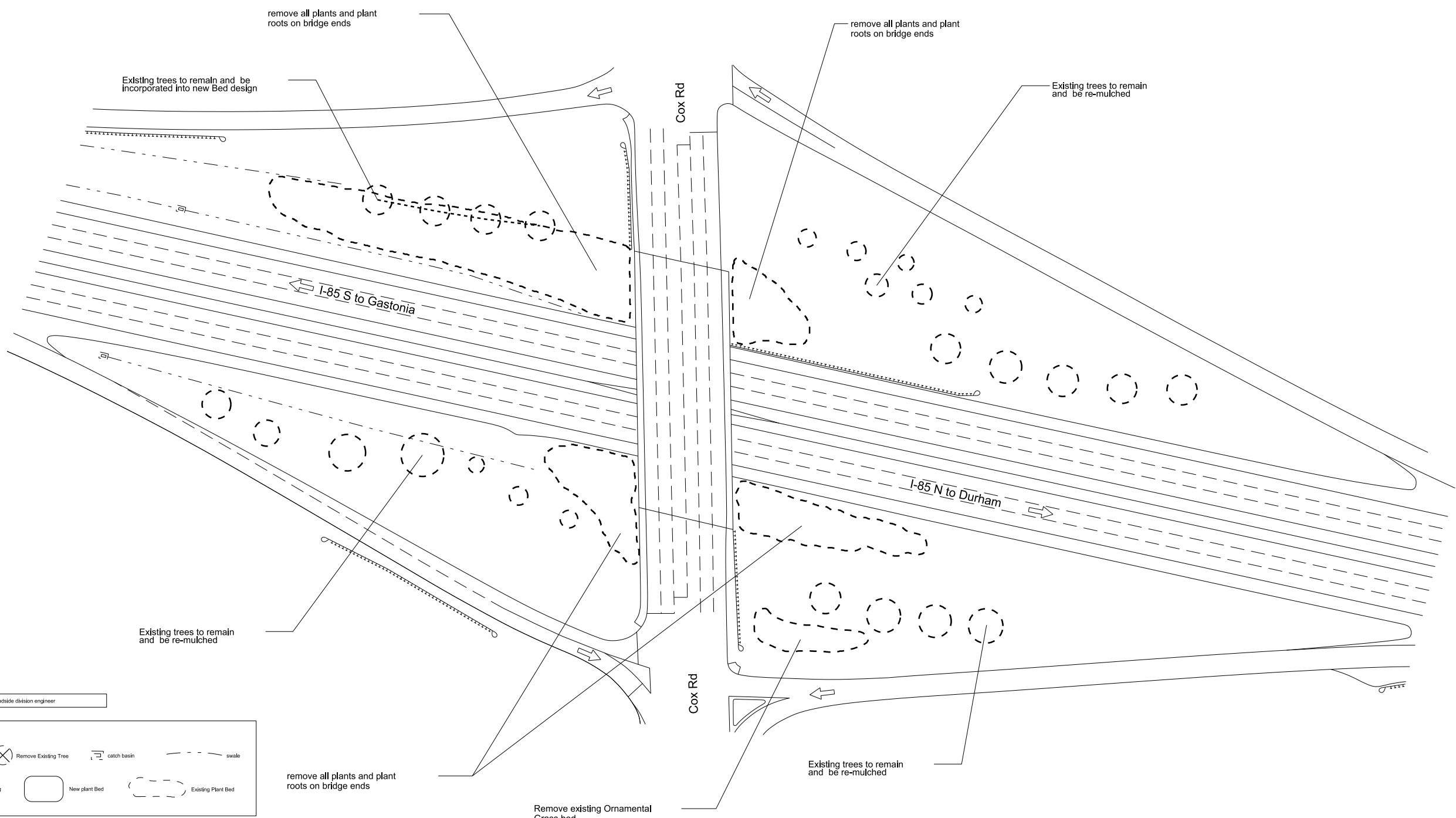
Prep. Designer
Kyle Cooper

| | | |
|--------------------|---------------------|-----------|
| sheet description: | pref. design date : | Nov. 2014 |
| | checked by & date : | B. Minter |
| | final design date : | Jan. 2015 |

Enhancement plan
 Landscape Plan Sheet



| | |
|------------|------------------|
| T.I.P. # | |
| WBS # | 3712.3.19 |
| FED I.D. # | |
| sheet no : | total sheet no : |
| L-6 | 10 |



note: please follow directions of roadside division engineer

Key

- Existing Tree
- Remove Existing Tree
- catch basin
- swale
- Remove Existing plant material
- New plant Bed
- Existing Plant Bed



SYSTEMS
 DESIGN
 CONSULTANTS
 LLC
 2015



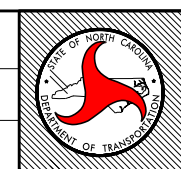
ncdot - Roadside environmental unit
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 1557 mail service center raleigh nc 27699-1557
 ph: 919-707-2935 fax: 919-715-2554
http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/

Gastonia I-85 Exit 21
Gaston County
 contract #: 3712.3.19

Pre. Designer

| | | |
|--------------------|---------------------|-----------|
| sheet description: | prel. design date : | Nov. 2014 |
| | checked by & date : | B. Minter |
| | final design date : | Jan. 2015 |

Demolition Plan
 Landscape Plan Sheet



| | |
|-------------|-------------------|
| T.I.P. # | |
| WBS # | 3712.3.19 |
| FED I.D. # | |
| sheet no. : | total sheet no. : |
| L-7 | 10 |

