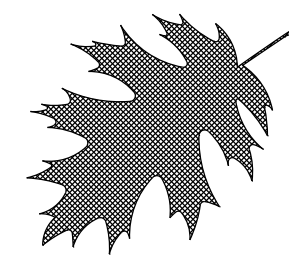


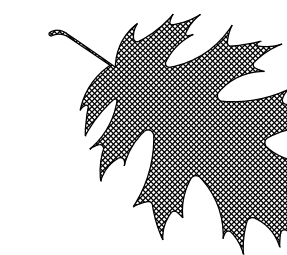
**This electronic collection of documents is provided
for the convenience of the user
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and sealed by the individuals whose names and license
numbers appear on each page, on the dates appearing
with their signature on that page.**

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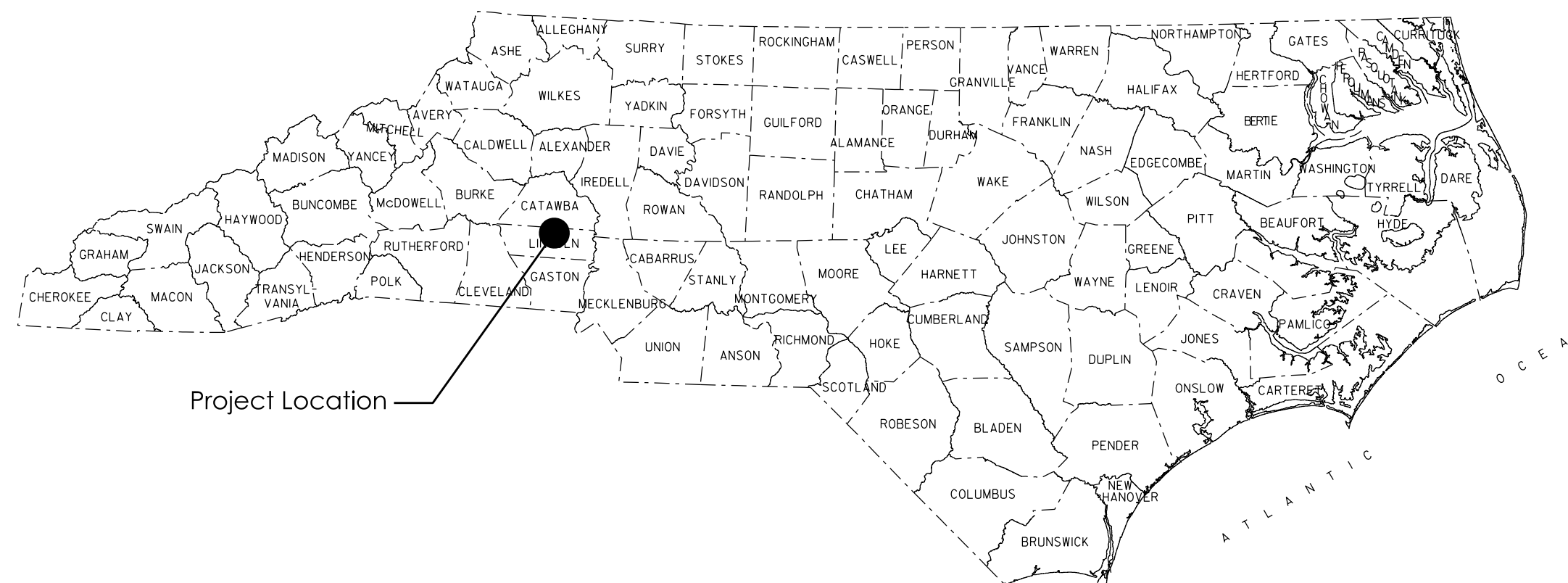
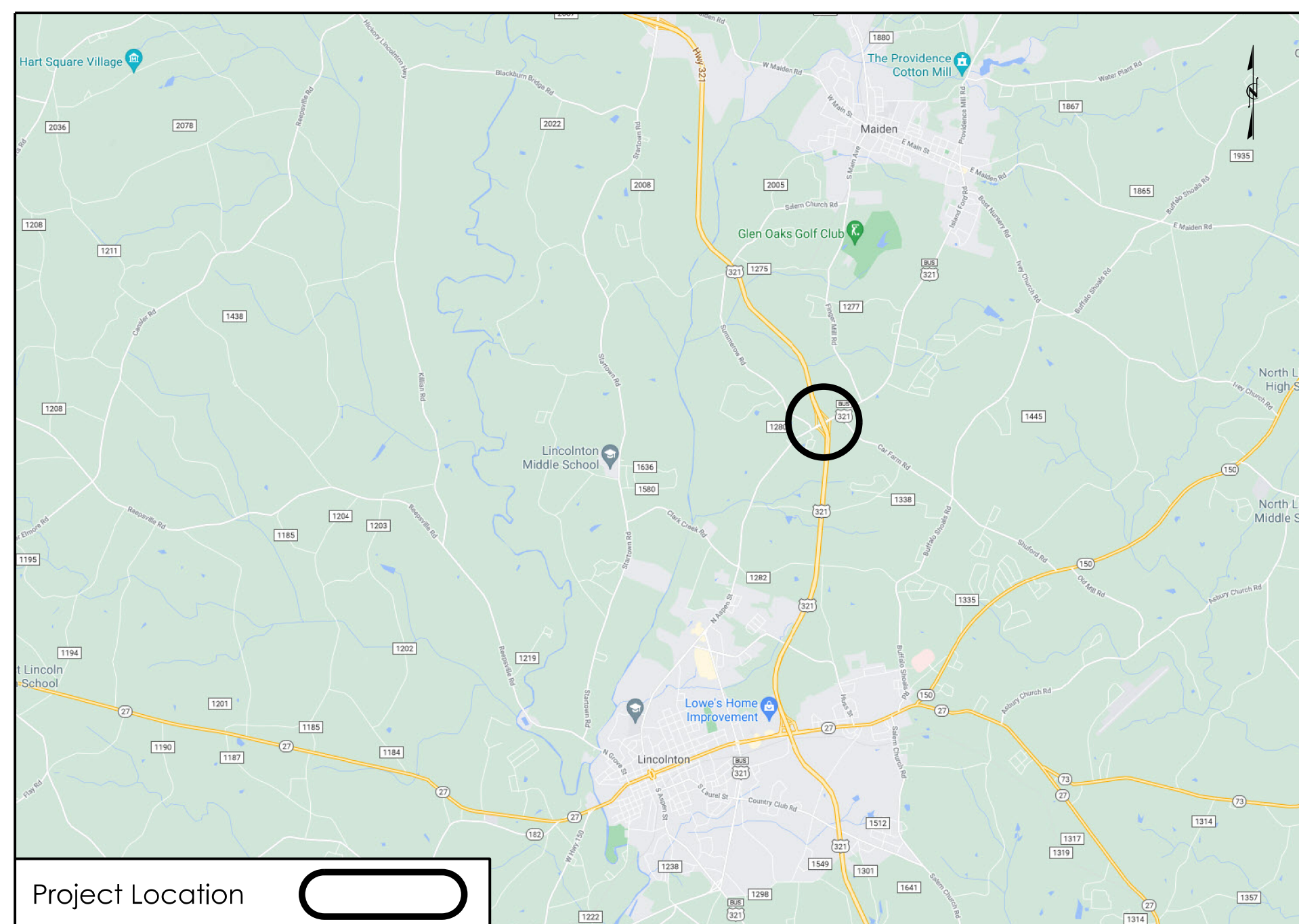


HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



US-321 & Maiden Hwy, Exit 28 Landscape Renovation in Lincolnton

| | | | |
|--------------|------------------------|---------|---------------|
| T.I.P. # | STATE PROJECT W.B.S. # | SHEET # | SHEET # TOTAL |
| ----- | 46305.3.78 | L1 | 6 |
| FED. PROJ. # | DESCRIPTION | | DIVISION |
| ----- | Enhancement | | 12 |



Summary of Quantities
1 Year Establishment Period

| DES | SEC | QTY | UNIT | KEY | BOTANICAL NAME | COMMON NAME | SIZE | CALIPER | FURNISH | A.S.N.S. | NOTES |
|--|------|------|------|-----|--|----------------------------|--------|---------|--------------------------------|----------|-------------|
| Trees | | | | | | | | | | | |
| L | 1670 | 39 | ea | JV | <i>Juniperus virginiana</i> 'Burkii' | Burk Eastern Red Cedar | 6-7' | | B&B | 4.8 | 10' O.C. |
| Shrubs | | | | | | | | | | | |
| L | 1670 | 26 | ea | HL | <i>Hydrangea paniculata</i> 'Limelight' | Limelight Hardy Hydrangea | 18-24" | | #3 Cont. | 3.1 | 7' O.C. |
| L | 1670 | 131 | ea | IW | <i>Ilex verticillata</i> 'Winter Red' | Winter Red Winterberry | 18-24" | | #3 Cont. | 3.4 | 6' O.C. |
| L | 1670 | 91 | ea | PO | <i>Prunus laurocerasus</i> 'Otto Luyken' | Otto Luyken English Laurel | 18-24" | | #3 Cont. | 5.4 | 6' O.C. |
| Grasses/Groundcovers/Perennials | | | | | | | | | | | |
| L | 1670 | 3360 | ea | HB | <i>Hemerocallis</i> 'Buttered Popcorn' | Buttered Popcorn Daylily | 6-12" | | #1 Cont. | 13.2.3 | 2' O.C. |
| L | 1670 | 594 | ea | PN | <i>Panicum virgatum</i> 'Northwind' | Northwind Switchgrass | 6-12" | | #1 Cont. | 13.4 | 3' O.C. |
| L | sp | 872 | sy | ZO | <i>Zoysia 'Compadre'</i> | Compadre Zoysiagrass | n/a | | Sod rolls or Min. 2'x4' strips | n/a | Tight Seams |
| Other Vegetation Costs | | | | | | | | | | | |
| L | 1670 | 4879 | sy | | Existing Plant Bed Removal | | | | | | |
| L | 1670 | 12 | ea | | Monthly Maintenance | | | | | | |
| L | 1670 | 529 | cy | | Mulch for Planting | | | | | | Depth of 4" |
| L | 1670 | 4008 | sy | | Pre emergence Herbicidal Treatment | | | | | | |
| L | 1670 | 4008 | sy | | Post emergence Herbicidal Treatment | | | | | | |
| L | 1101 | 1 | LS | | Temporary Traffic Control | | | | | | |
| L | 1670 | 36 | m/g | | Water for Planting | | | | | | |
| * Mulch contains 20% extra to account for steep slopes | | | | | | | | | | | |
| * m/g - 1,000 gallons | | | | | | | | | | | |

NOTES:

- Existing conditions shown on the plans are based on survey information and roadway plans. actual site conditions may vary.
- Prior to any demolition or work taking place, the contractor shall locate and verify all utility lines and structures within the construction areas (water, sewer, gas, electrical, etc.)
- The contractor shall take the necessary precautions to prevent damage of adjacent plant material, facilities, and structures to remain. The contractor shall restore disturbed areas to their original condition and to the satisfaction of the Division Roadside Environmental Engineer.
- The utilities shown on the plans are approximate locations. The contractor shall locate and protect in place all existing utilities before digging occurs and major construction begins.
- Demolition, removal, and disposal of items from the site must be completely in accordance with the law. The contractor is responsible for making a site visit to determine and verify all demolition requirements prior to bidding.
- The contractor shall verify all conditions and dimensions at the job site prior to construction, and if discrepancies are found, notify the Division Roadside Environmental Engineer for clarification.

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..... | ----- |

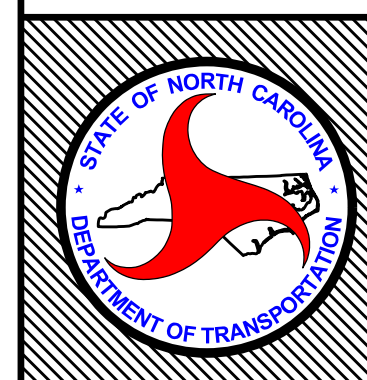
INDEX OF L SHEETS:

- L 1.0 - Title Sheet
- L 2.0 - Planting Details
- L 3.0 - L 4.0 - Demolition Plan
- L 5.0 - L 6.0 - Planting Plan

PREPARED BY: K. Cooper DATE: 7/8/2021

REVISIONS

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



STATE OF
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION







LOCATION: US-321 & Maiden Hwy, Exit 28 in Lincolnton

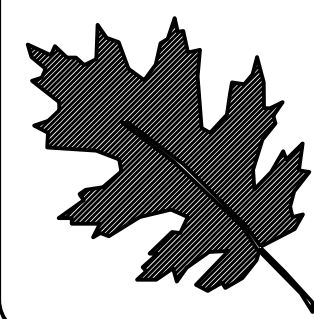
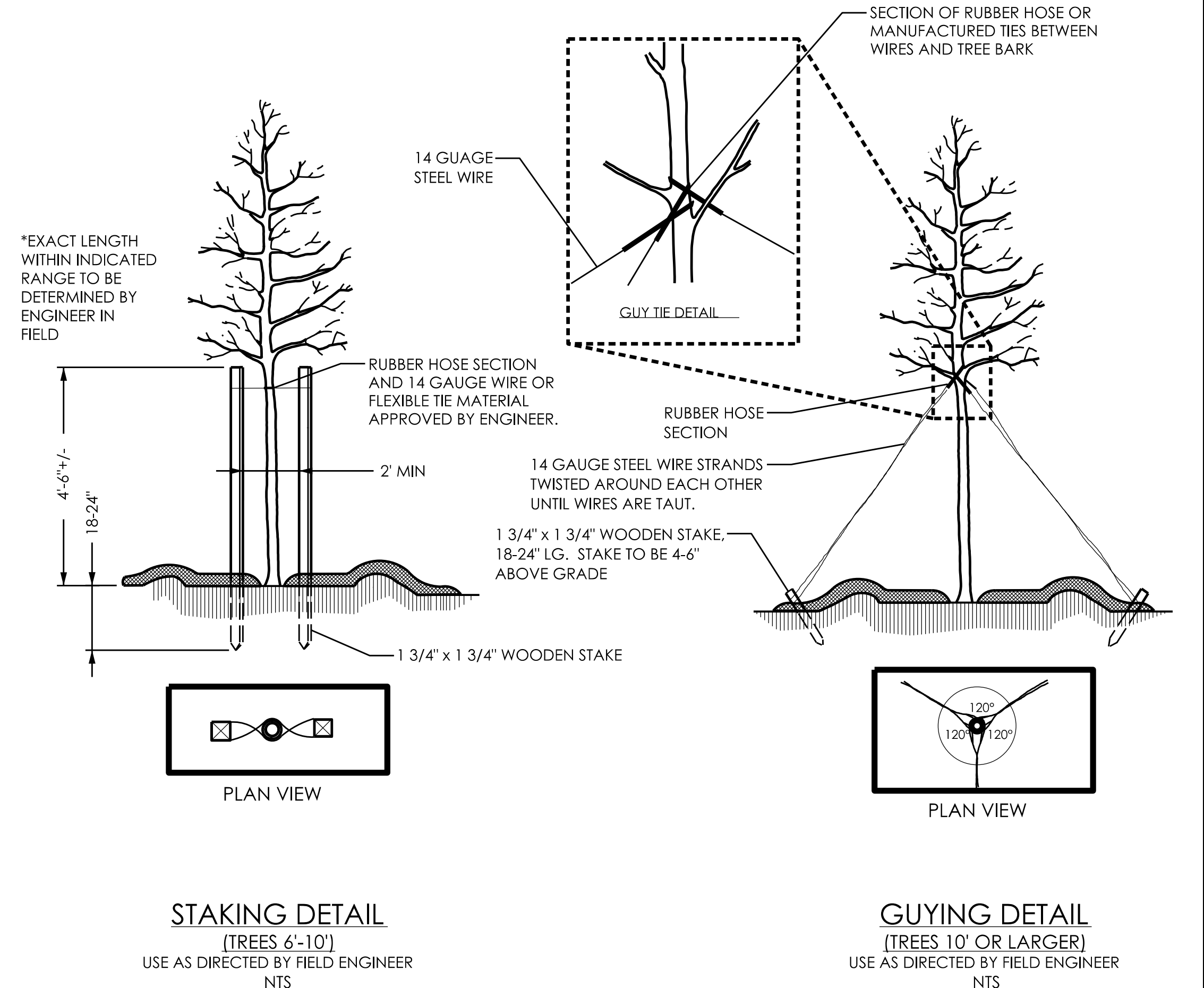
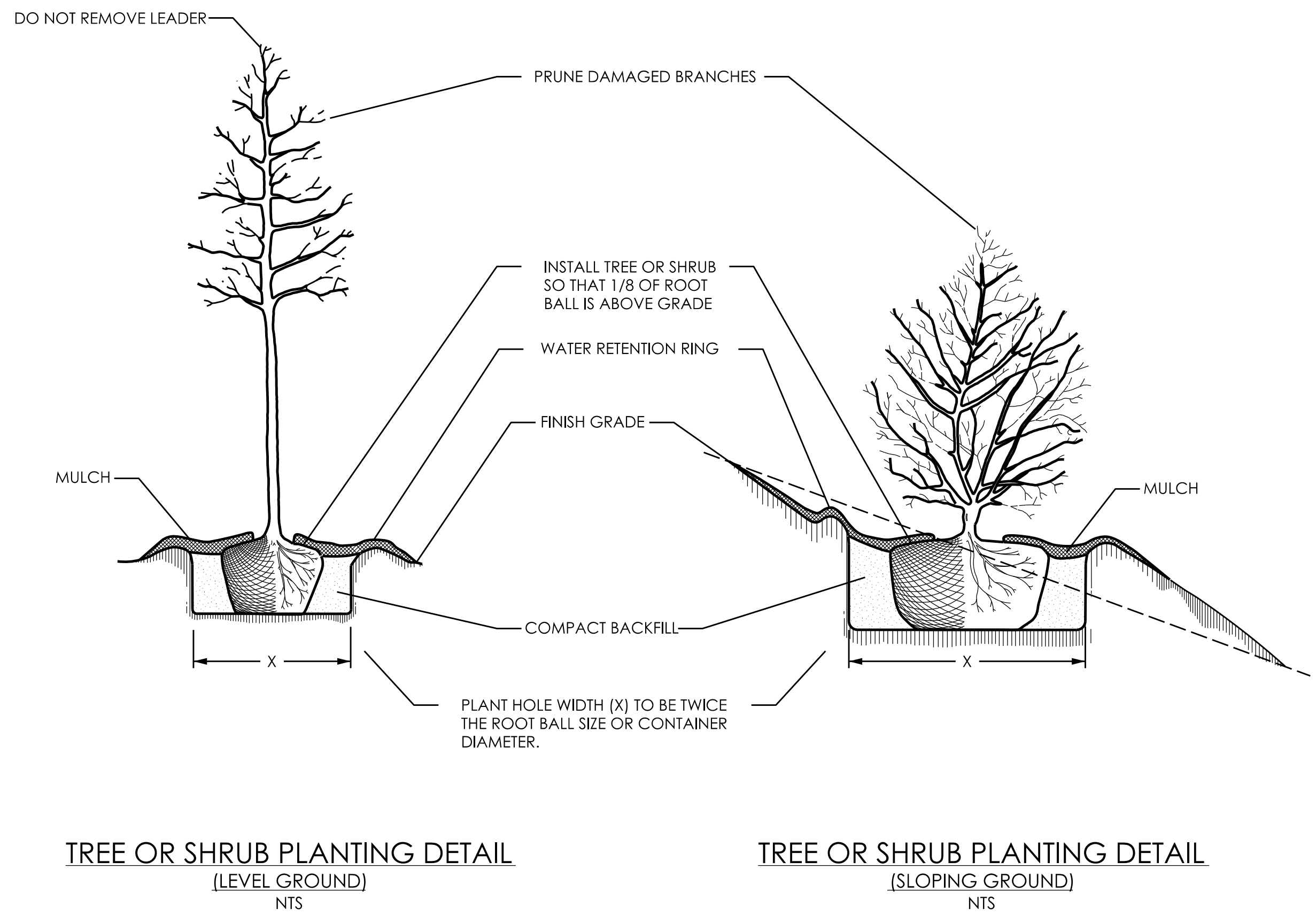
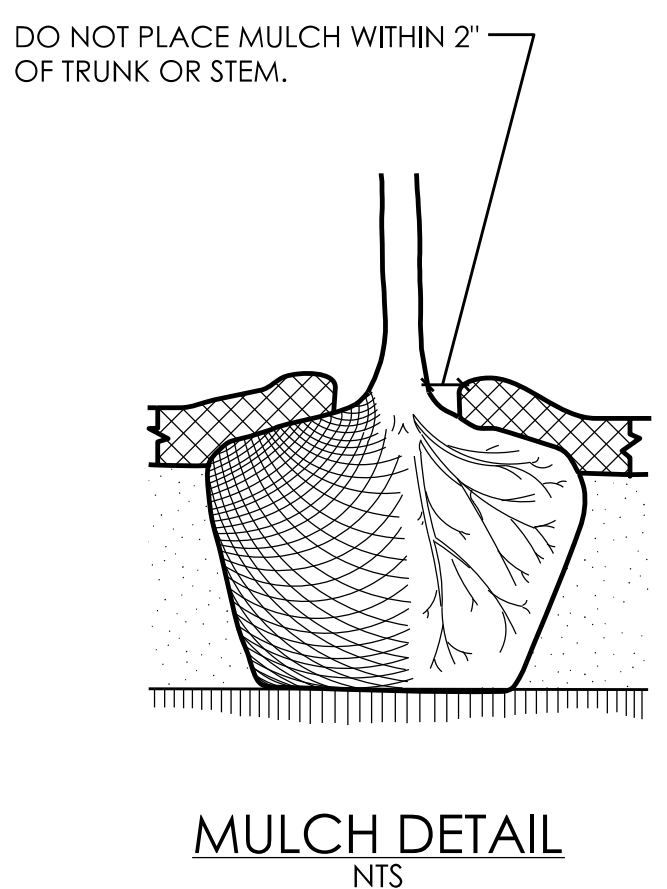
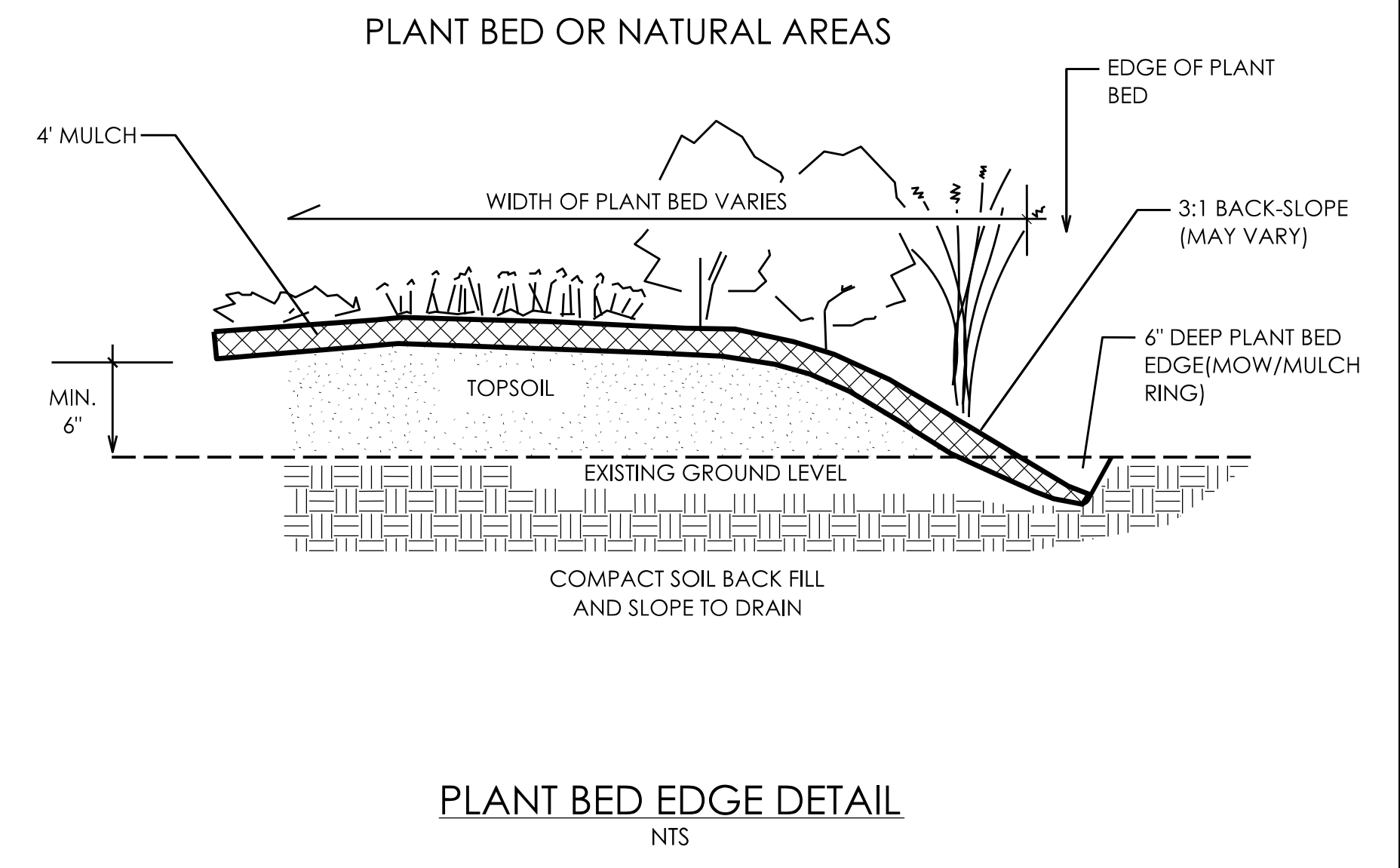
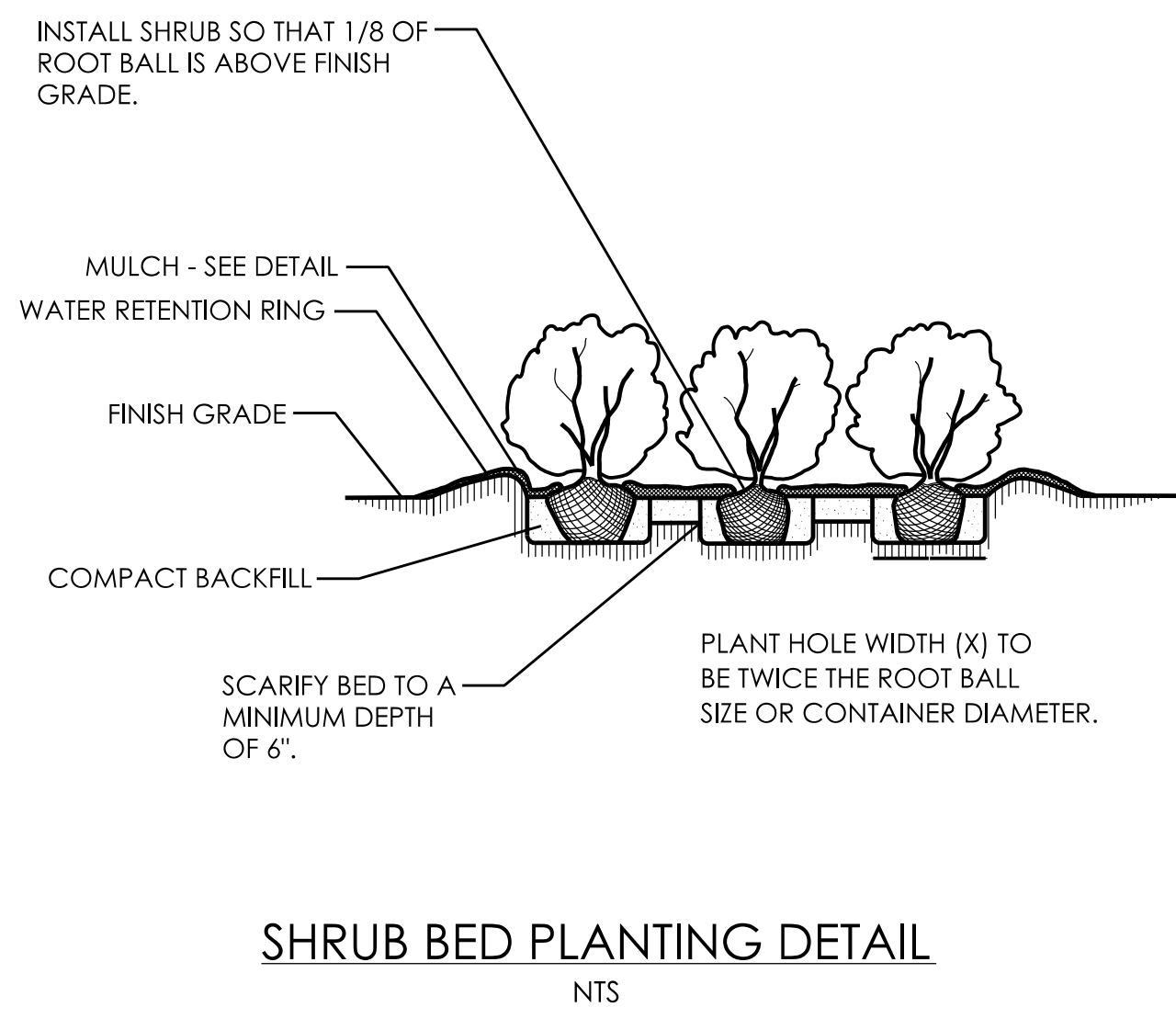
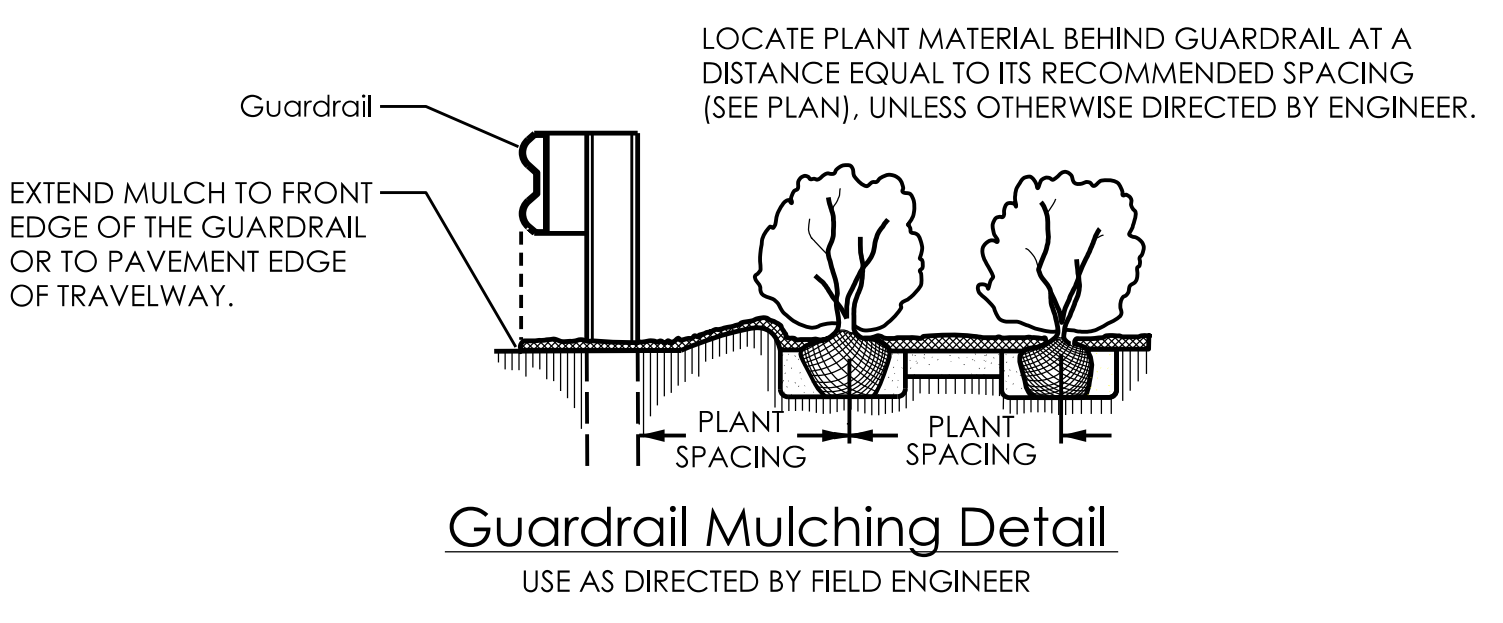
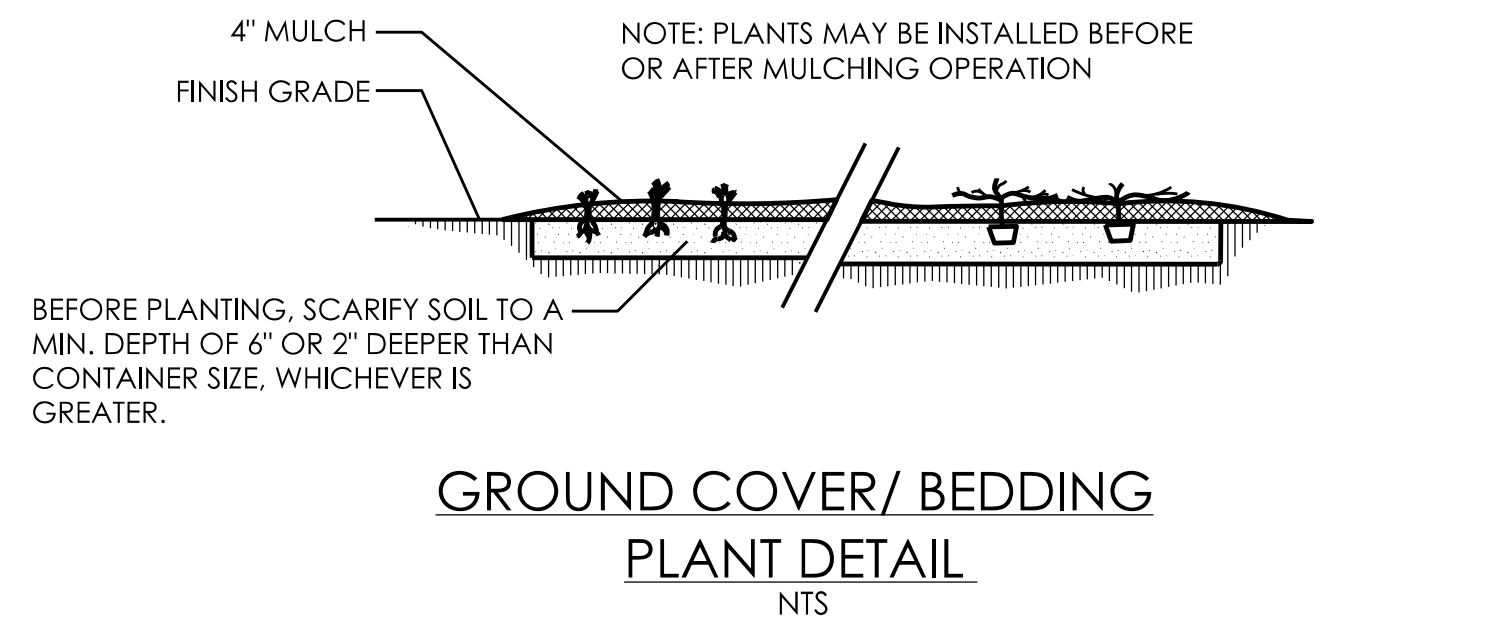
TYPE of WORK: Enhancement

COUNTY: Lincoln

2014 American Standard for Nursery Stock
2018 NCDOT STANDARD SPECIFICATIONS
PREPARED IN THE OFFICE OF:
NCDOT- ROADSIDE ENVIRONMENTAL UNIT
AESTHETIC ENGINEERING SECTION
1557 MAIL SERVICE CENTER
RALEIGH, NC 27699 919-707-2920

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.

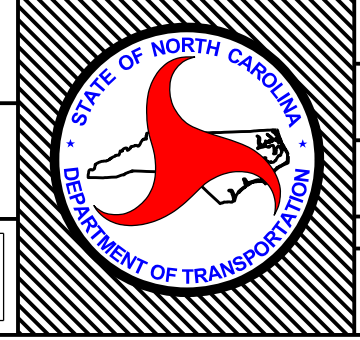


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 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
 PH: 919-707-2935 FAX: 919-715-2554
http://www.ncdot.org/doh/operations/ap_chief_eng/roadside/

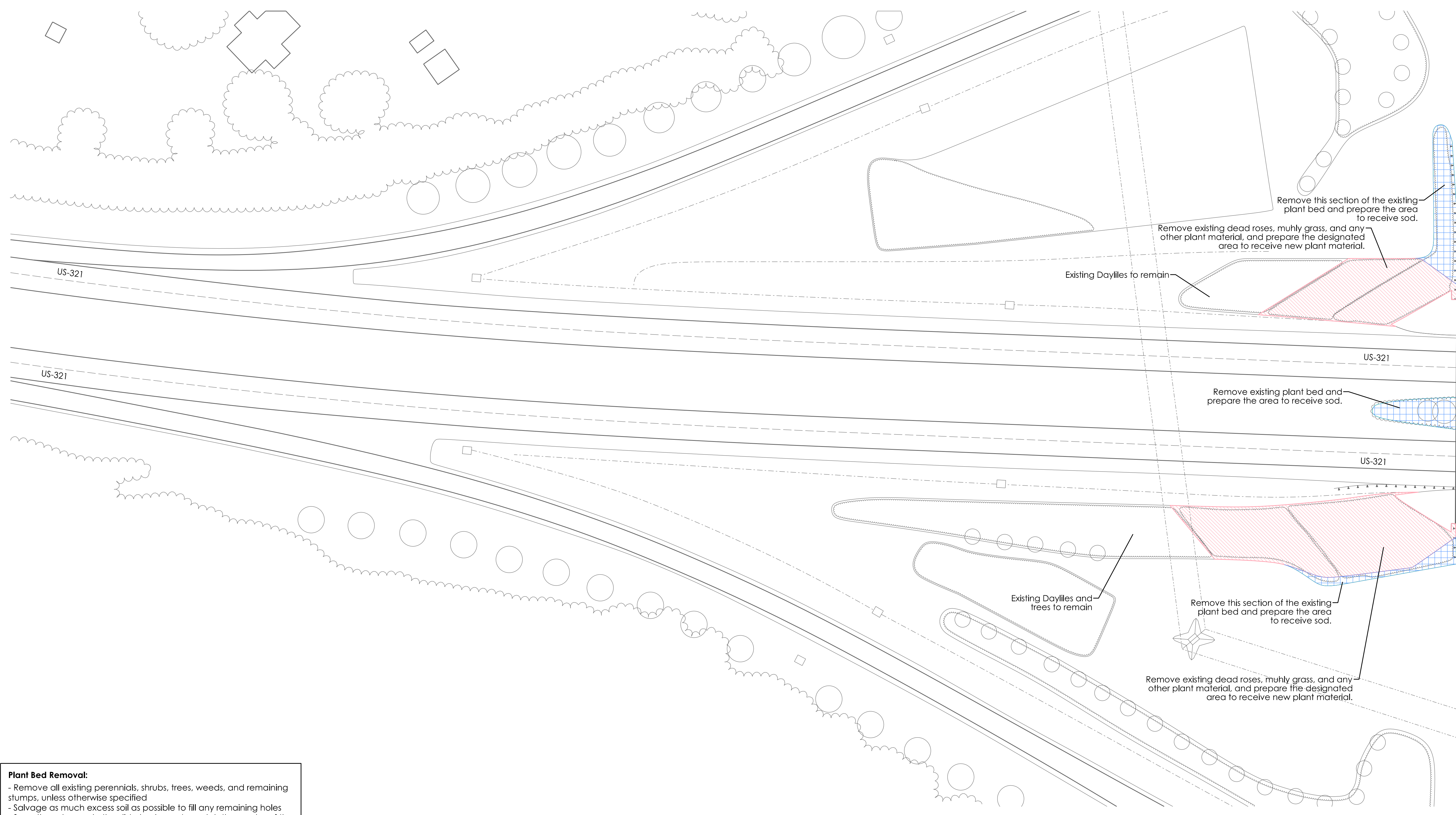
US-321 & Maiden Hwy, Exit 28 Landscape
 Lincoln County
 WBS #: 46305.3.78

| | | |
|--------------------|--------------------|----------|
| SHEET DESCRIPTION: | PREL. DESIGN DATE: | 7/9/2021 |
| | CHECKED BY & DATE: | ----- |
| | FINAL DESIGN DATE: | 2/1/2022 |

Planting Details
 Landscape Plan Sheet
 PROJECT LANDSCAPE ARCHITECT: Kyle Cooper, PLA

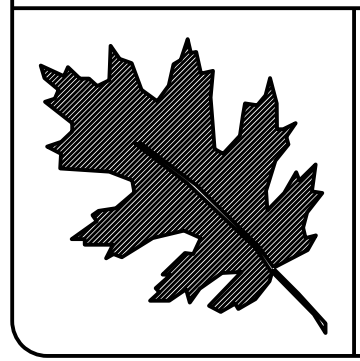


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| T.I.P. # | ----- |
| WBS # | 46305.3.78 |
| FED I.D. # | ----- |
| SHEET NO.: | L-2 |
| TOTAL SHEET NO.: | L-4 |



Plant Bed Removal:

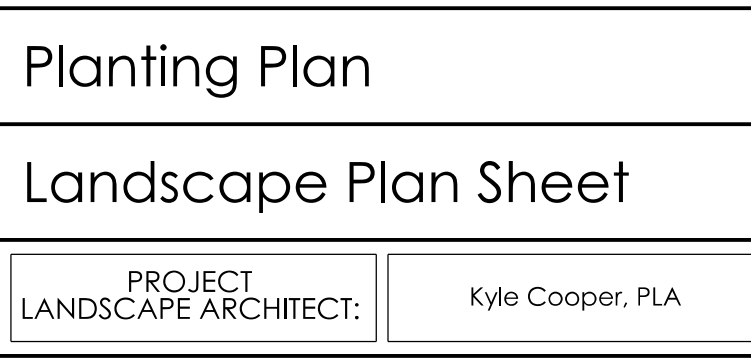
- Remove all existing perennials, shrubs, trees, weeds, and remaining stumps, unless otherwise specified
- Salvage as much excess soil as possible to fill any remaining holes
- Smooth and regrade the disturbed area to match the grades of the adjacent areas.
- Prepare areas for future plantings or sod as specified on the plans



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US-321 & Maiden Hwy, Exit 28 Landscape
 Lincoln County
 WBS #: 46305.3.78

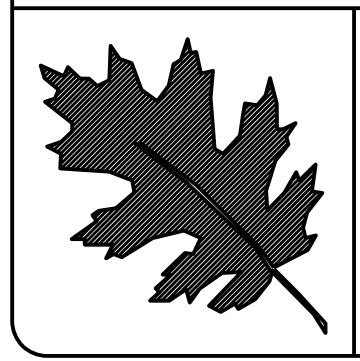
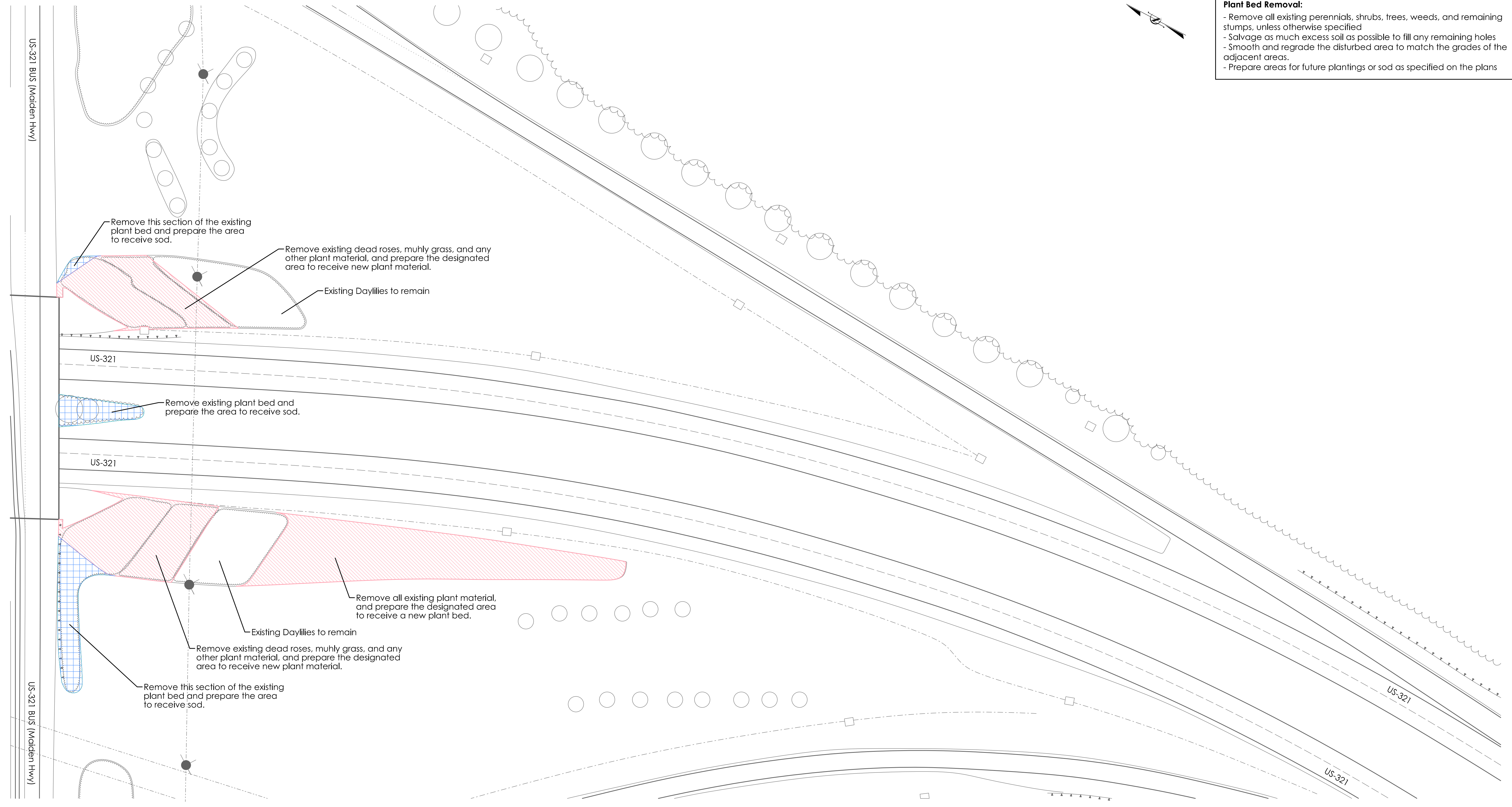
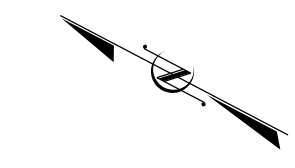
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| SHEET DESCRIPTION: | PREL. DESIGN DATE: 7/9/2021 | Planting Plan | |
| | CHECKED BY & DATE: ----- | | Landscape Plan Sheet |
| | FINAL DESIGN DATE: 2/1/2022 | | PROJECT LANDSCAPE ARCHITECT: Kyle Cooper, PLA |



| | |
|------------------|------------|
| T.I.P. # | ----- |
| WBS # | 46305.3.78 |
| FED I.D. # | ----- |
| SHEET NO.: | L-3 |
| TOTAL SHEET NO.: | L-6 |

Plant Bed Removal:

- Remove all existing perennials, shrubs, trees, weeds, and remaining stumps, unless otherwise specified
- Salvage as much excess soil as possible to fill any remaining holes
- Smooth and regrade the disturbed area to match the grades of the adjacent areas.
- Prepare areas for future plantings or sod as specified on the plans

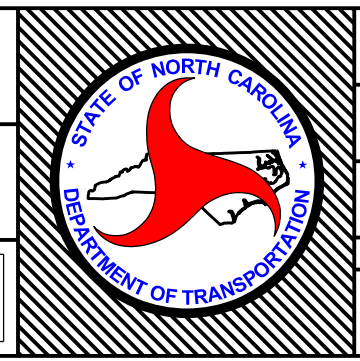


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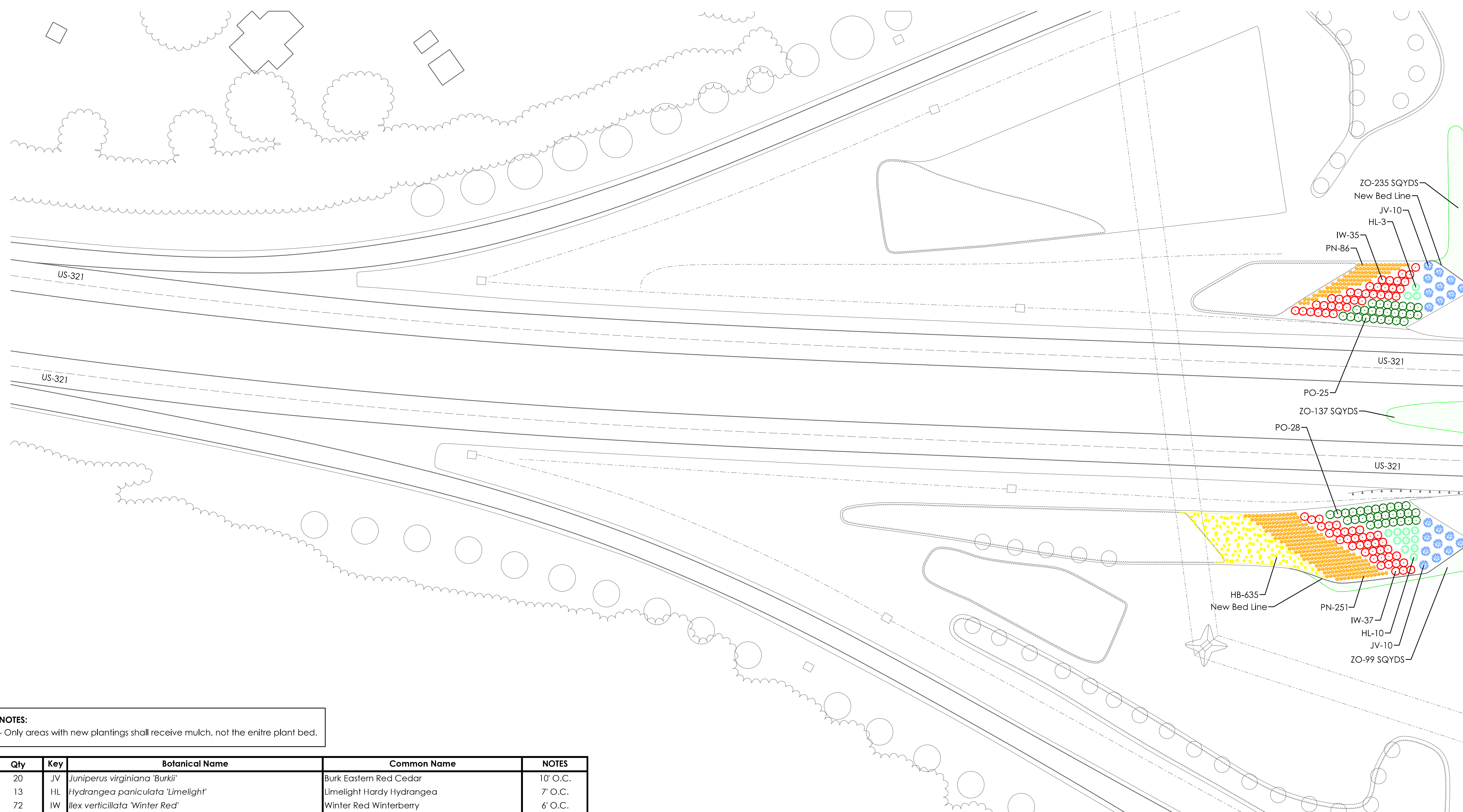
US-321 & Maiden Hwy, Exit 28 Landscape
 Lincoln County
 WBS #: 46305.3.78

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|--------------------|-----------------------------|---|
| SHEET DESCRIPTION: | PREL. DESIGN DATE: 7/9/2021 | Planting Plan |
| | CHECKED BY & DATE: ----- | Landscape Plan Sheet |
| | FINAL DESIGN DATE: 2/1/2022 | PROJECT LANDSCAPE ARCHITECT: Kyle Cooper, PLA |

PROJECT LANDSCAPE ARCHITECT: Kyle Cooper, PLA

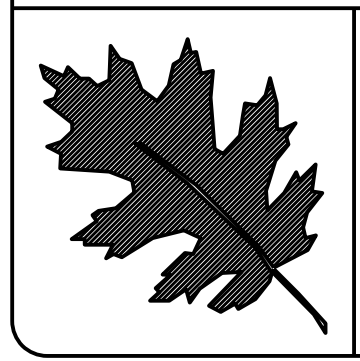


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|------------------|------------|
| T.I.P. # | ----- |
| WBS # | 46305.3.78 |
| FED I.D. # | ----- |
| SHEET NO.: | L-4 |
| TOTAL SHEET NO.: | L-6 |



NOTES:
 - Only areas with new plantings shall receive mulch, not the entire plant bed.

| Qty | Key | Botanical Name | Common Name | NOTES |
|-----------|-----|--|----------------------------|-------------|
| 20 | JV | <i>Juniperus virginiana</i> 'Burkii' | Burk Eastern Red Cedar | 10' O.C. |
| 13 | HL | <i>Hydrangea paniculata</i> 'Limelight' | Limelight Hardy Hydrangea | 7' O.C. |
| 72 | IW | <i>Ilex verticillata</i> 'Winter Red' | Winter Red Winterberry | 6' O.C. |
| 53 | PO | <i>Prunus laurocerasus</i> 'Otto Luyken' | Otto Luyken English Laurel | 6' O.C. |
| 635 | HB | <i>Hemerocallis</i> 'Buttered Popcorn' | Buttered Popcorn Daylily | 2' O.C. |
| 337 | PN | <i>Panicum virgatum</i> 'Northwind' | Northwind Switchgrass | 3' O.C. |
| 471 sqyds | ZO | <i>Zoysia</i> 'Compadre' | Compadre Zoysiagrass | Tight Seams |

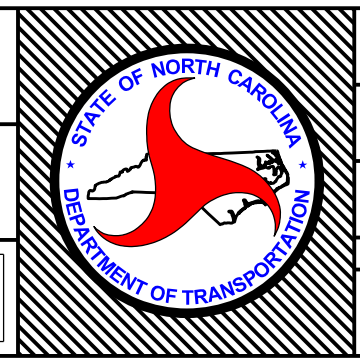


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US-321 & Maiden Hwy, Exit 28 Landscape
 Lincoln County
 WBS #: 46305.3.78

| | | |
|--------------------|-----------------------------|---|
| SHEET DESCRIPTION: | PREL. DESIGN DATE: 7/9/2021 | Planting Plan |
| | CHECKED BY & DATE: ----- | |
| | FINAL DESIGN DATE: 2/1/2022 | PROJECT LANDSCAPE ARCHITECT: Kyle Cooper, PLA |

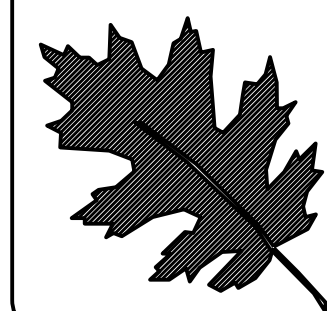
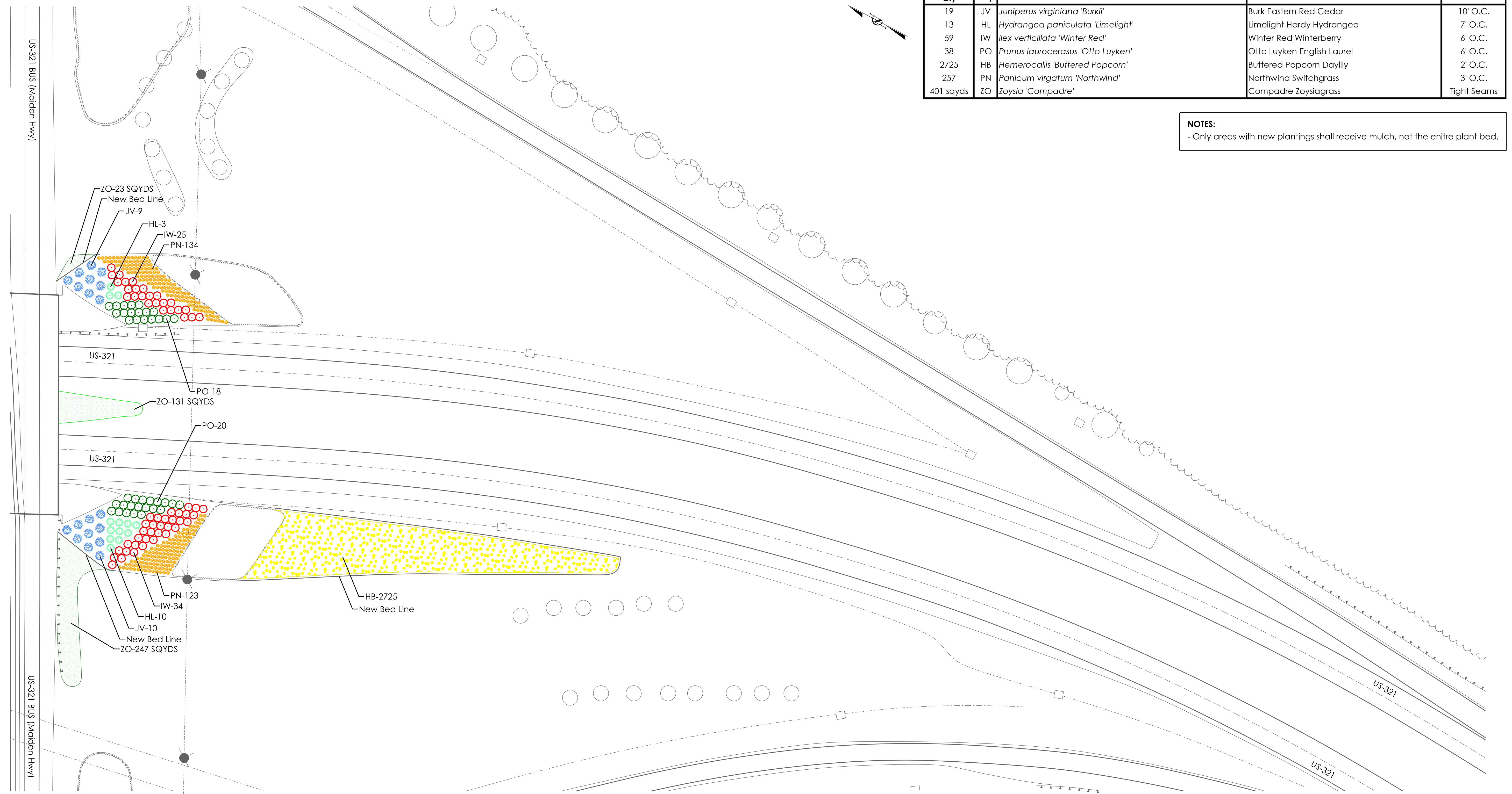
PROJECT LANDSCAPE ARCHITECT: Kyle Cooper, PLA



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| T.I.P. # | ----- |
| WBS # | 46305.3.78 |
| FED I.D. # | ----- |
| SHEET NO.: | L-5 |
| TOTAL SHEET NO.: | L-6 |

| Qty | Key | Botanical Name | Common Name | NOTES |
|-----------|-----|--|----------------------------|-------------|
| 19 | JV | <i>Juniperus virginiana</i> 'Burkii' | Burk Eastern Red Cedar | 10' O.C. |
| 13 | HL | <i>Hydrangea paniculata</i> 'Limelight' | Limelight Hardy Hydrangea | 7' O.C. |
| 59 | IW | <i>Ilex verticillata</i> 'Winter Red' | Winter Red Winterberry | 6' O.C. |
| 38 | PO | <i>Prunus laurocerasus</i> 'Otto Luyken' | Otto Luyken English Laurel | 6' O.C. |
| 2725 | HB | <i>Hemerocallis</i> 'Buttered Popcorn' | Buttered Popcorn Daylily | 2' O.C. |
| 257 | PN | <i>Panicum virgatum</i> 'Northwind' | Northwind Switchgrass | 3' O.C. |
| 401 sqyds | ZO | <i>Zoysia</i> 'Compadre' | Compadre Zoysiagrass | Tight Seams |

NOTES:
- Only areas with new plantings shall receive mulch, not the entire plant bed.

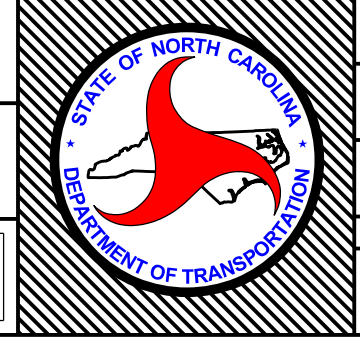


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US-321 & Maiden Hwy, Exit 28 Landscape
Lincoln County
WBS #: 46305.3.78

SHEET DESCRIPTION:
PREL. DESIGN DATE: 7/9/2021
CHECKED BY & DATE: -----
FINAL DESIGN DATE: 2/1/2022

Planting Plan
Landscape Plan Sheet
PROJECT LANDSCAPE ARCHITECT: Kyle Cooper, PLA



T.I.P. # -----
WBS # 46305.3.78
FED I.D. # -----
SHEET NO.: L-6
TOTAL SHEET NO.: L-6