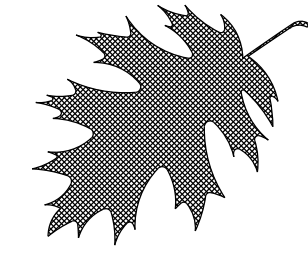
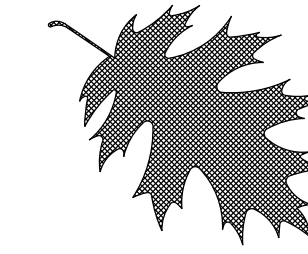


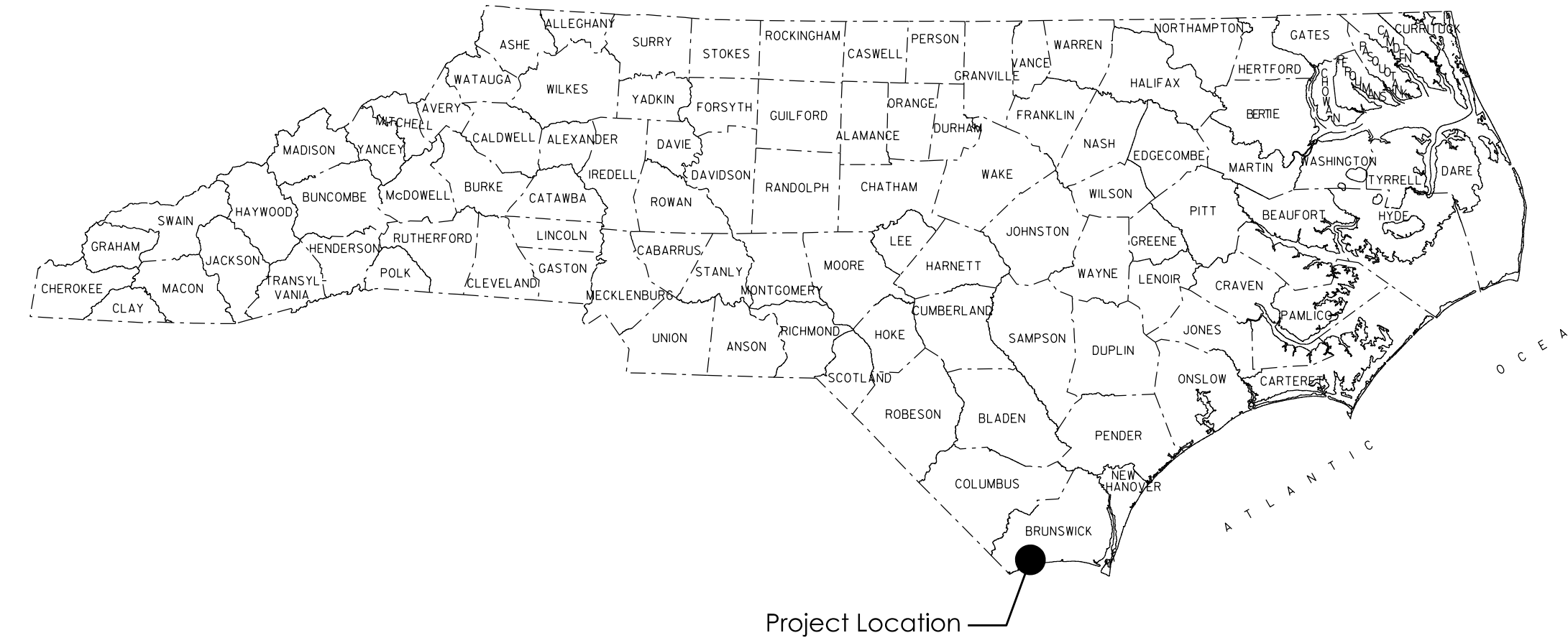
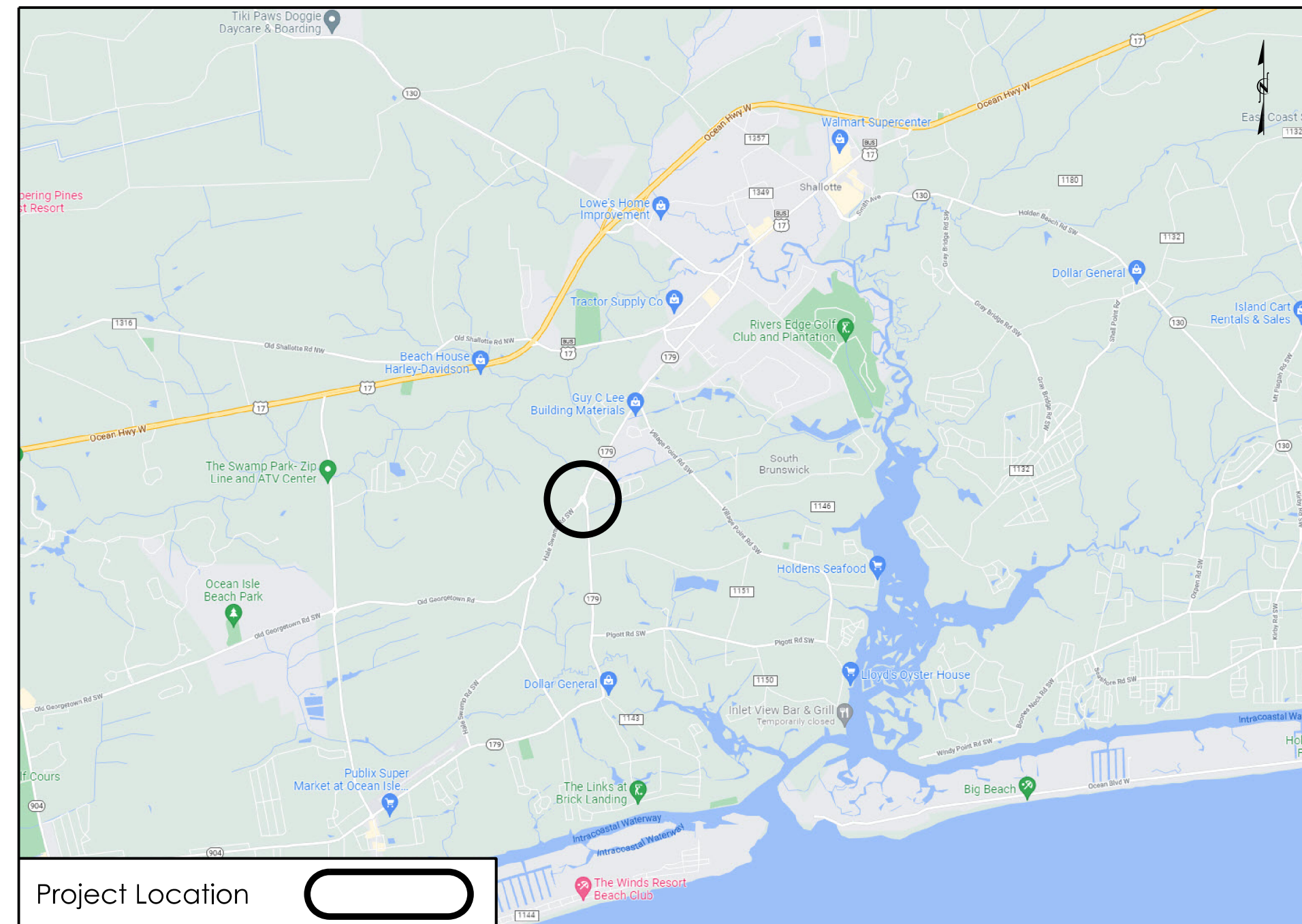
ER-5600CI Charlotte Roundabout Landscape Plan (Old Georgetown Rd & NC 179)



# HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
ER-5600CI	46305.3.82	L1	4
FED. PROJ. #	DESCRIPTION		DIVISION
4630518	TIP		3



Summary of Quantities  
1 Year Establishment Period

DES	SEC	QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	FURNISH	NOTES	A.S.N.S.
<b>Trees</b>									
L	1670	6	ea	SP	<i>Sabal palmetto</i>	Cabbage Palmetto	8-10'; B&B	AS Shown	2.6
<b>Shrubs</b>									
L	1670	78	ea	IS	<i>Ilex glabra 'Shamrock'</i>	Shamrock Inkberry	18-24"; #3 Cont.	4.5' O.C.	5.6
<b>Grasses/Groundcovers/Perennials</b>									
L	1670	372	ea	AT	<i>Asclepias tuberosa</i>	Butterfly Weed	6-9"; #1 Cont.	2' O.C.	13.3
L	1670	222	ea	EW	<i>Echinacea purpurea 'PAS702917'</i>	PowWow® Wild Berry Coneflower	6-9"; #1 Cont.	14" O.C.	13.3
L	1670	123	ea	MC	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass	18-24"; #3 Cont.	3' O.C.	13.4
L	1670	66	ea	MW	<i>Muhlenbergia capillaris 'White Cloud'</i>	White Muhly Grass	18-24"; #3 Cont.	3' O.C.	13.4
<b>Other Vegetation Costs</b>									
L	SP	1	ea		Flagpole (30'; Aluminum)				
L	SP	1	LS		Flagpole Flood Lights (LED)				
L	SP	12	ea		Monthly Establishment				
L	1670	114	cy		Mulch for Planting			Depth of 4"	
L	1670	1031	sy		Pre emergence Herbicidal Treatment				
L	1670	1031	sy		Post emergence Herbicidal Treatment				
L	1670	9	m/g		Water for Planting				
		1	LS		Mobilization Administration				
					[ ] - Alternative Plant Option				
					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.....	-----

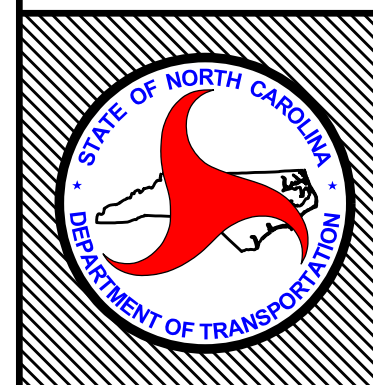
**INDEX OF L SHEETS:**

- L 1.0 - Title Sheet
- L 2.0 - Planting Details
- L 3.0 - Existing Site Plan
- L 4.0 - Landscape Plan

PREPARED BY: K. Cooper    DATE: 12/30/2021

**REVISIONS**

DATE	DESCRIPTION



STATE OF  
NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION







**LOCATION:** Olde Georgetown Rd & NC 179

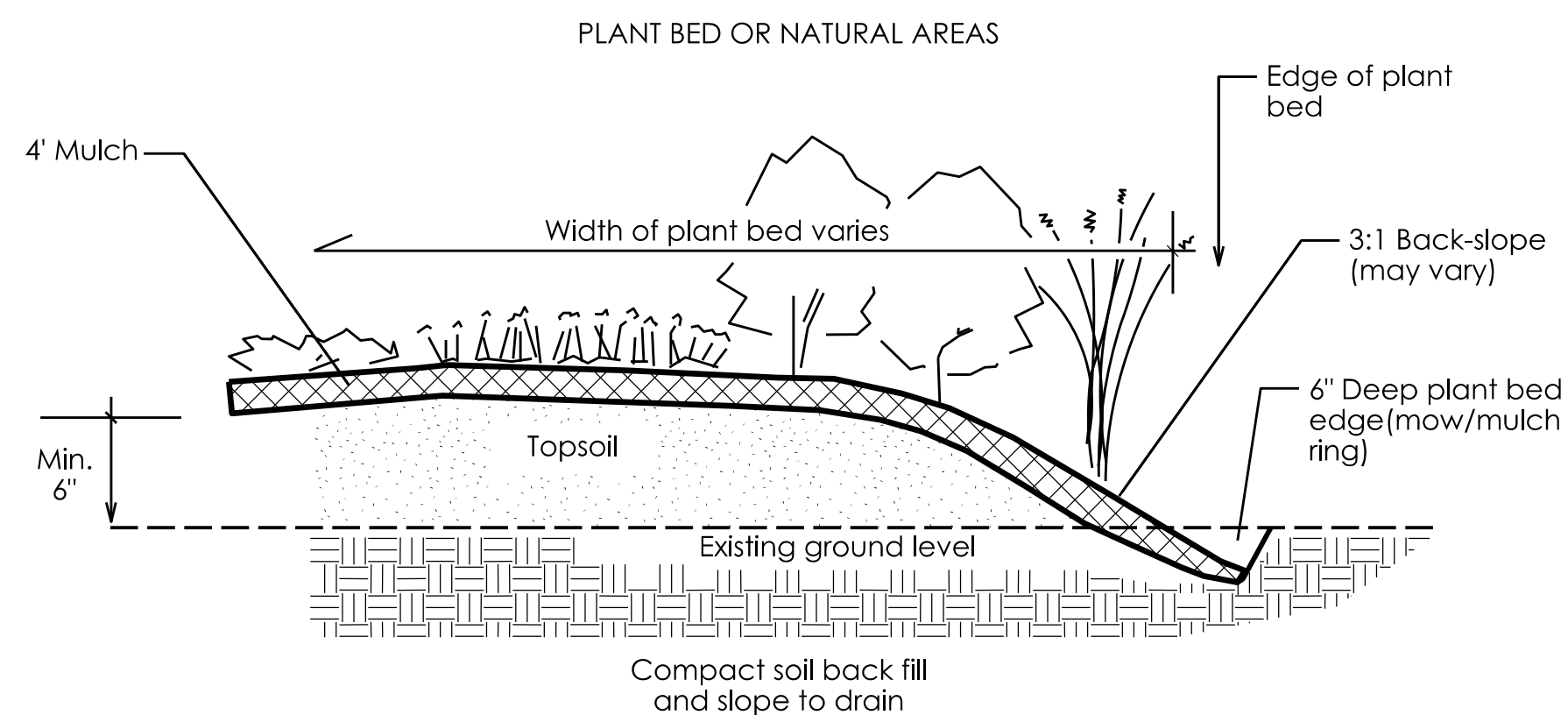
**TYPE of WORK:** TIP

**COUNTY:** Brunswick

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

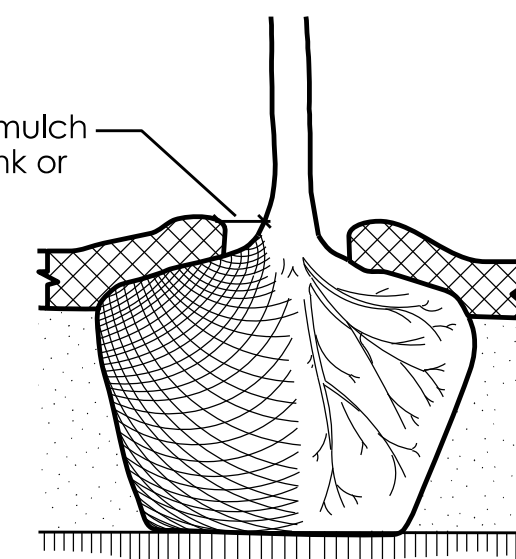
**NOTES:**

-  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.



2 Plant Bed Edge Detail  
L-13 NTS

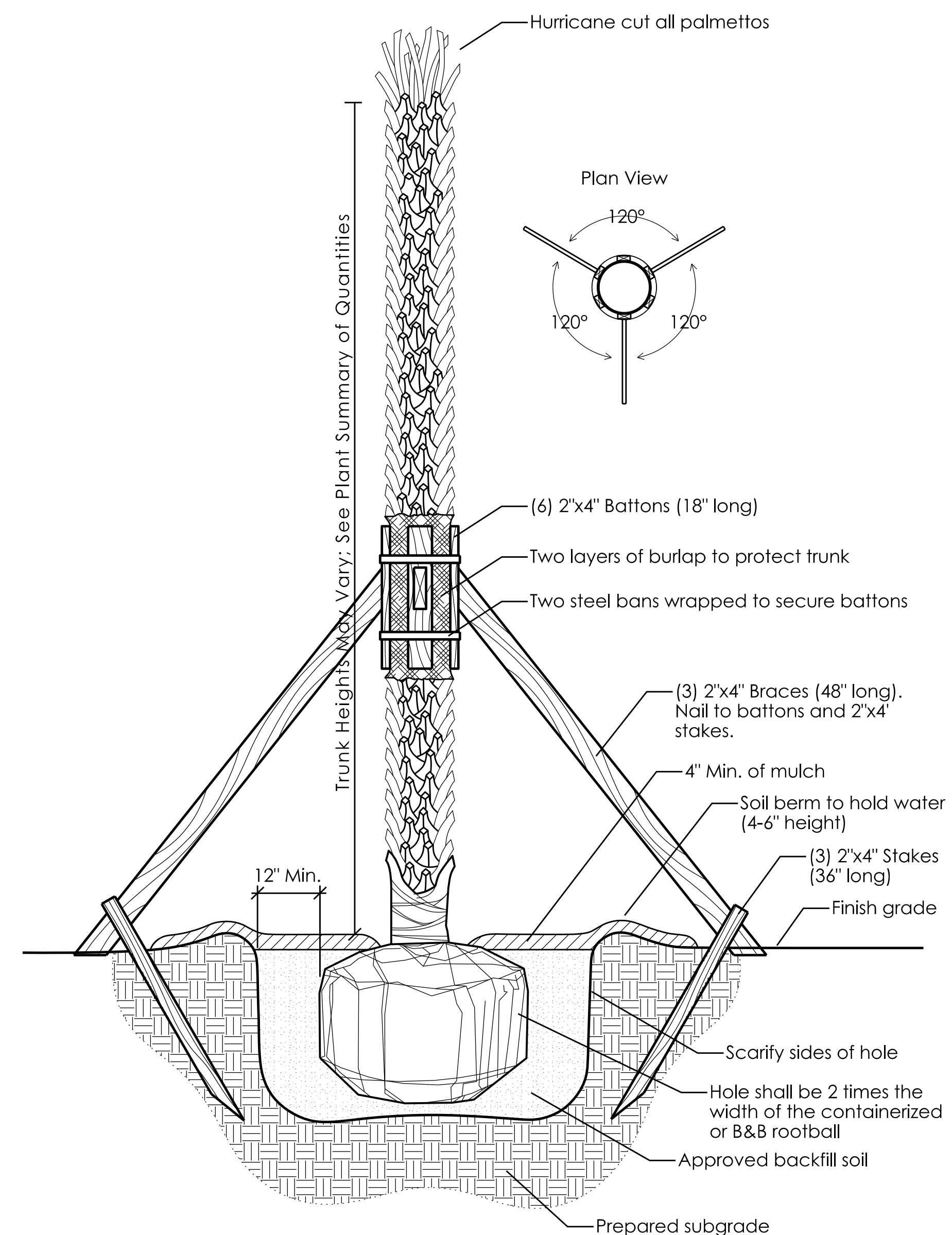
Do not place mulch within 2" of trunk or stem.



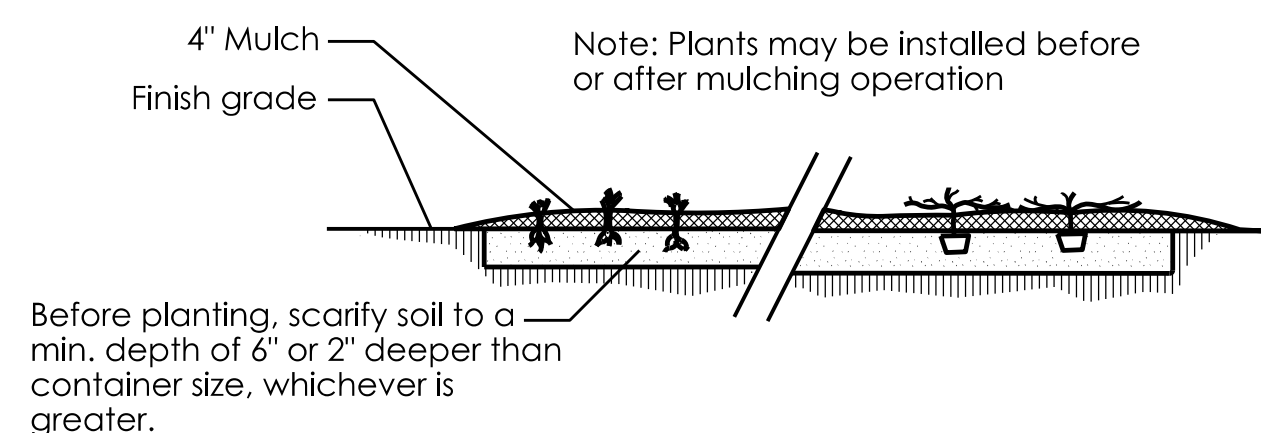
5 Mulch Detail  
L-13 NTS

**Notes:**

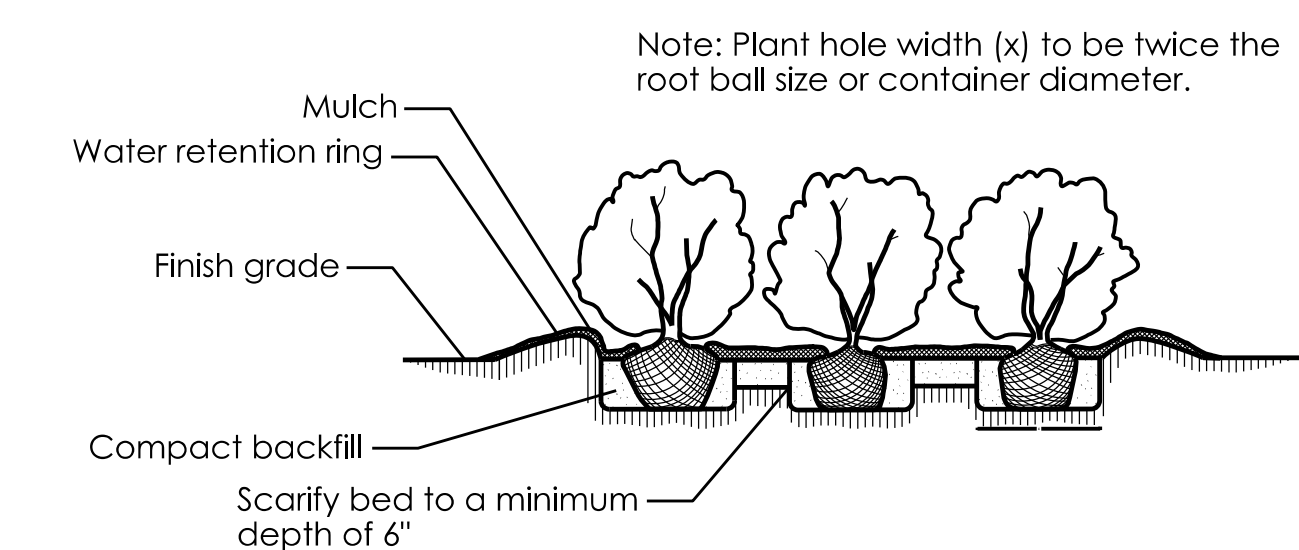
- Final tree staking and placement to be approved by Engineer
- Contractor shall assure percolation of all palm tree planting pits prior to installation of trees.



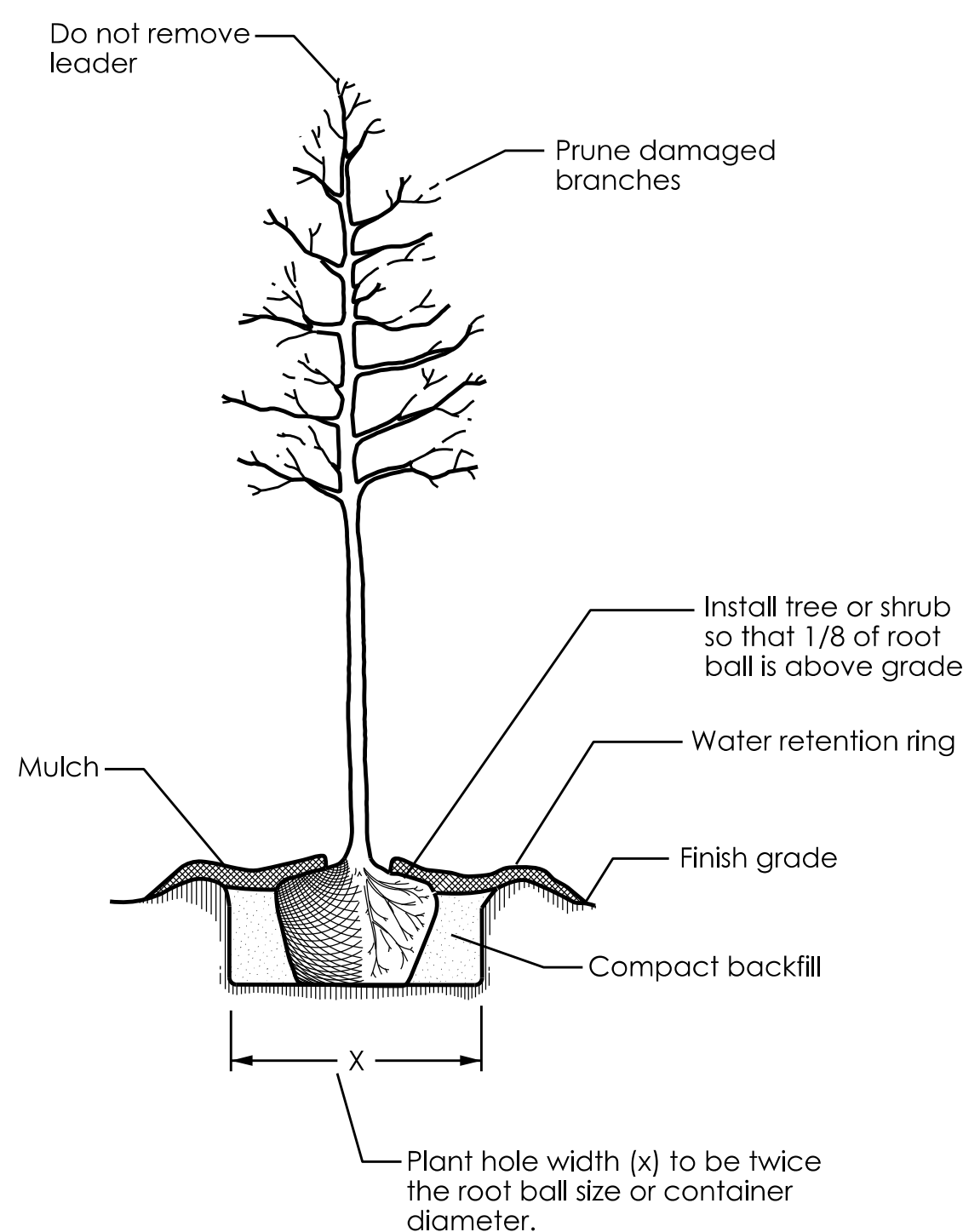
8 Palm Tree Planting Detail  
L-13 NTS



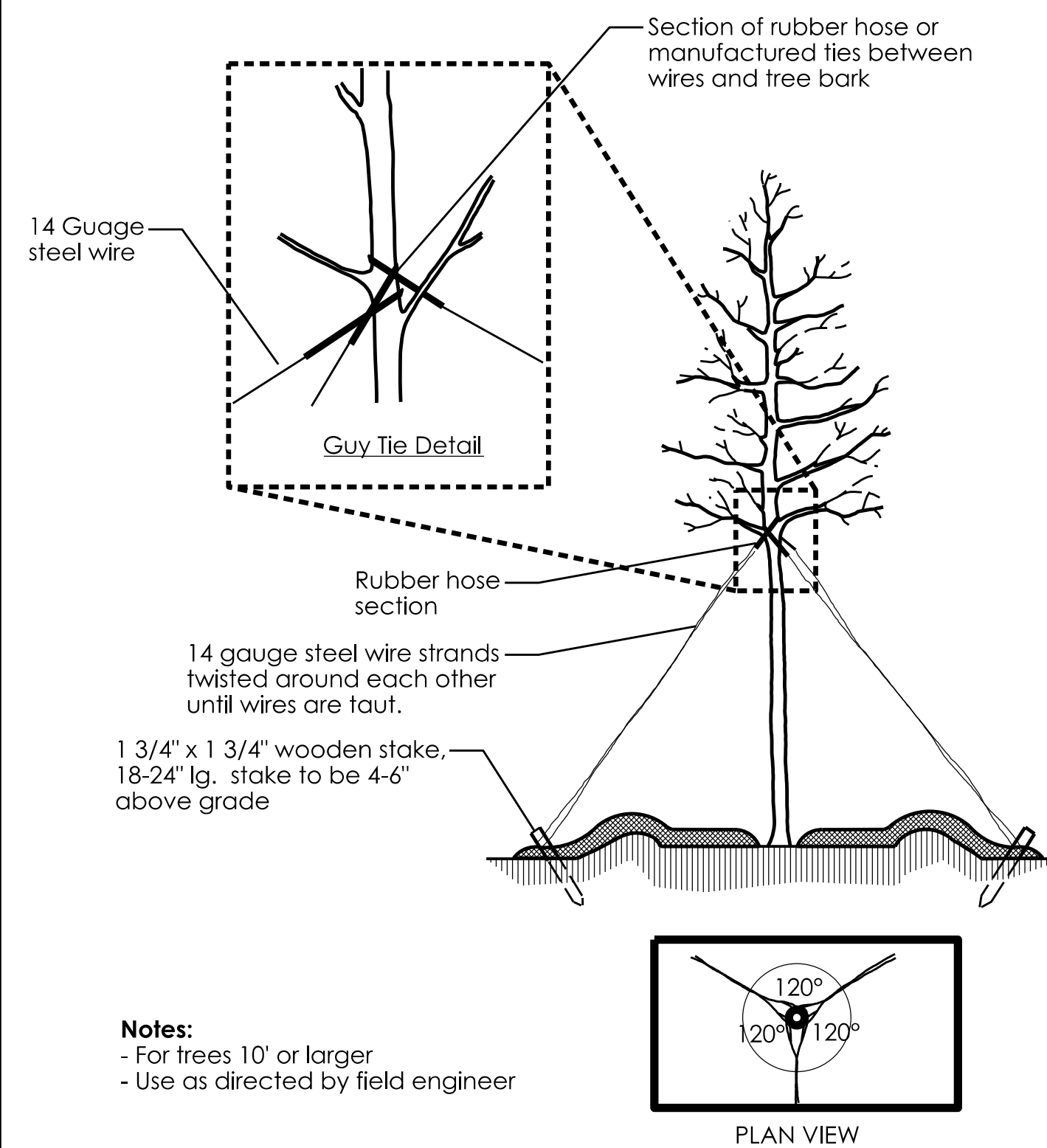
3 Ground Cover/ Bedding Plant Detail  
L-13 NTS



4 Shrub Bed Planting Detail  
L-13 NTS

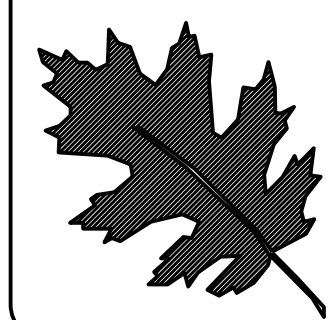


6 Tree Or Shrub Planting Detail (Level Ground)  
L-13 NTS



**Notes:**  
- For trees 10' or larger  
- Use as directed by field engineer

8 Guying Detail  
L-13 NTS



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
AESTHETIC ENGINEERING SECTION  
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/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

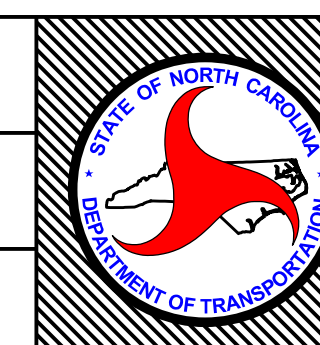
Shallotte Roundabout  
Brunswick County  
TIP #: ER-5600CI

Landscape Architect

*Kyle Cooper*

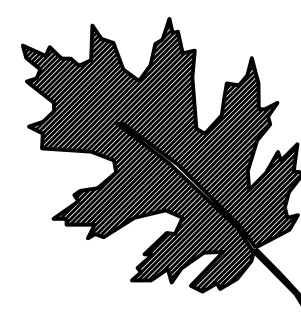
SHEET DESCRIPTION:	PREL DESIGN DATE:	12/13/2021
	CHECKED BY & DATE:	---
	FINAL DESIGN DATE:	12/30/2021

Planting Details  
Landscape Plan Sheet



T.I.P. # ER-5600CI  
WBS # 46305.3.82  
FED I.D. # 4630518

SHEET NO.:	TOTAL SHEET NO.:
L-2	L-4



NCDOT - ROADSIDE ENVIRONMENTAL UNIT  
 AESTHETIC ENGINEERING SECTION  
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557  
 PH: 919-707-2935 FAX: 919-715-2554  
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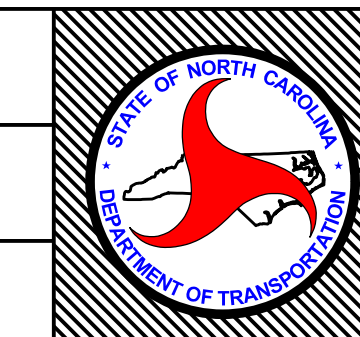
Shallotte Roundabout  
 Brunswick County  
 TIP #: ER-5600CI

Landscape Architect  
*Kyle Cooper*

SHEET DESCRIPTION:

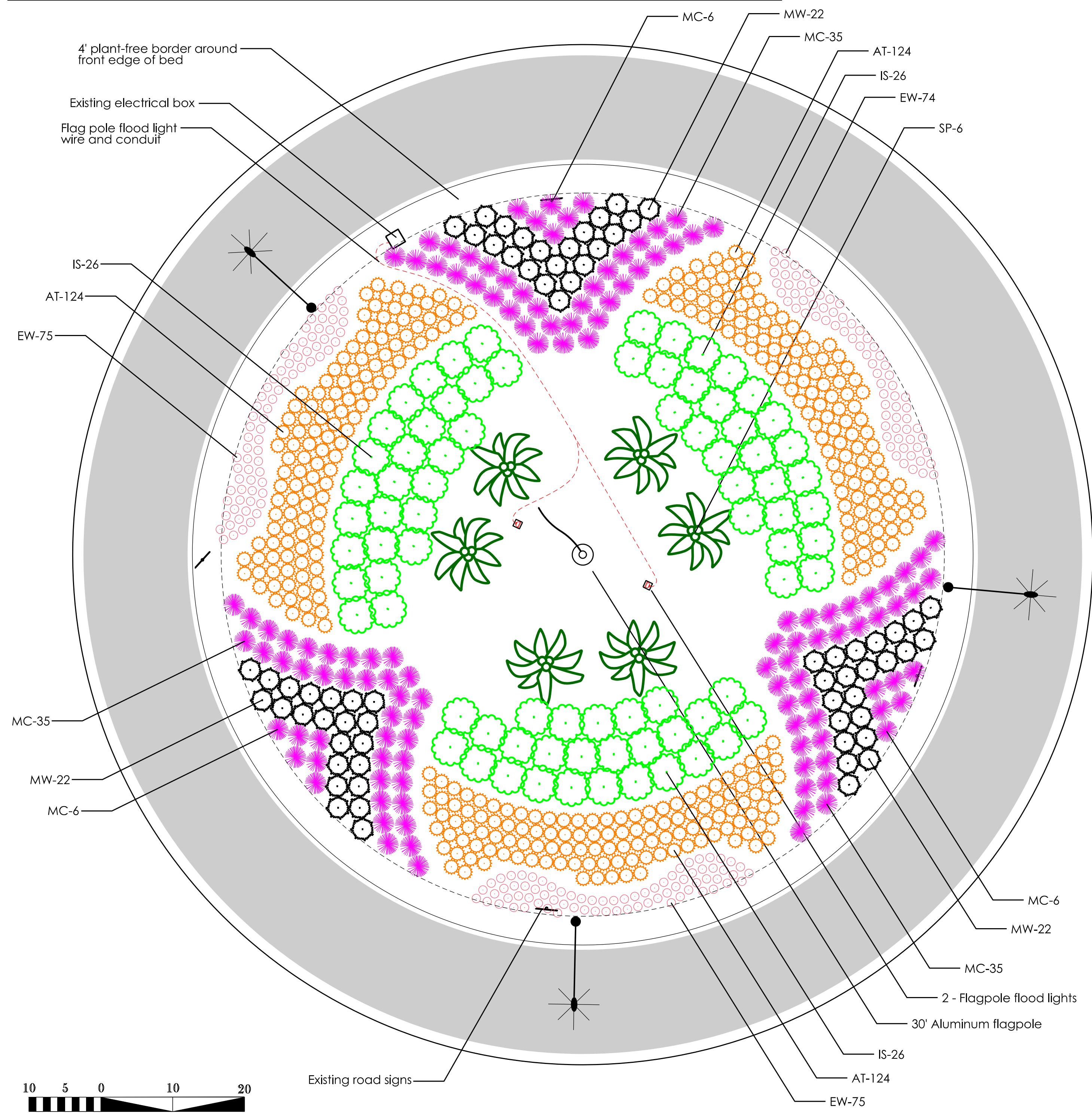
PREL. DESIGN DATE: 12/13/2021  
 CHECKED BY & DATE: -----  
 FINAL DESIGN DATE: 12/30/2021

Existing Site Plan  
 Landscape Plan Sheet

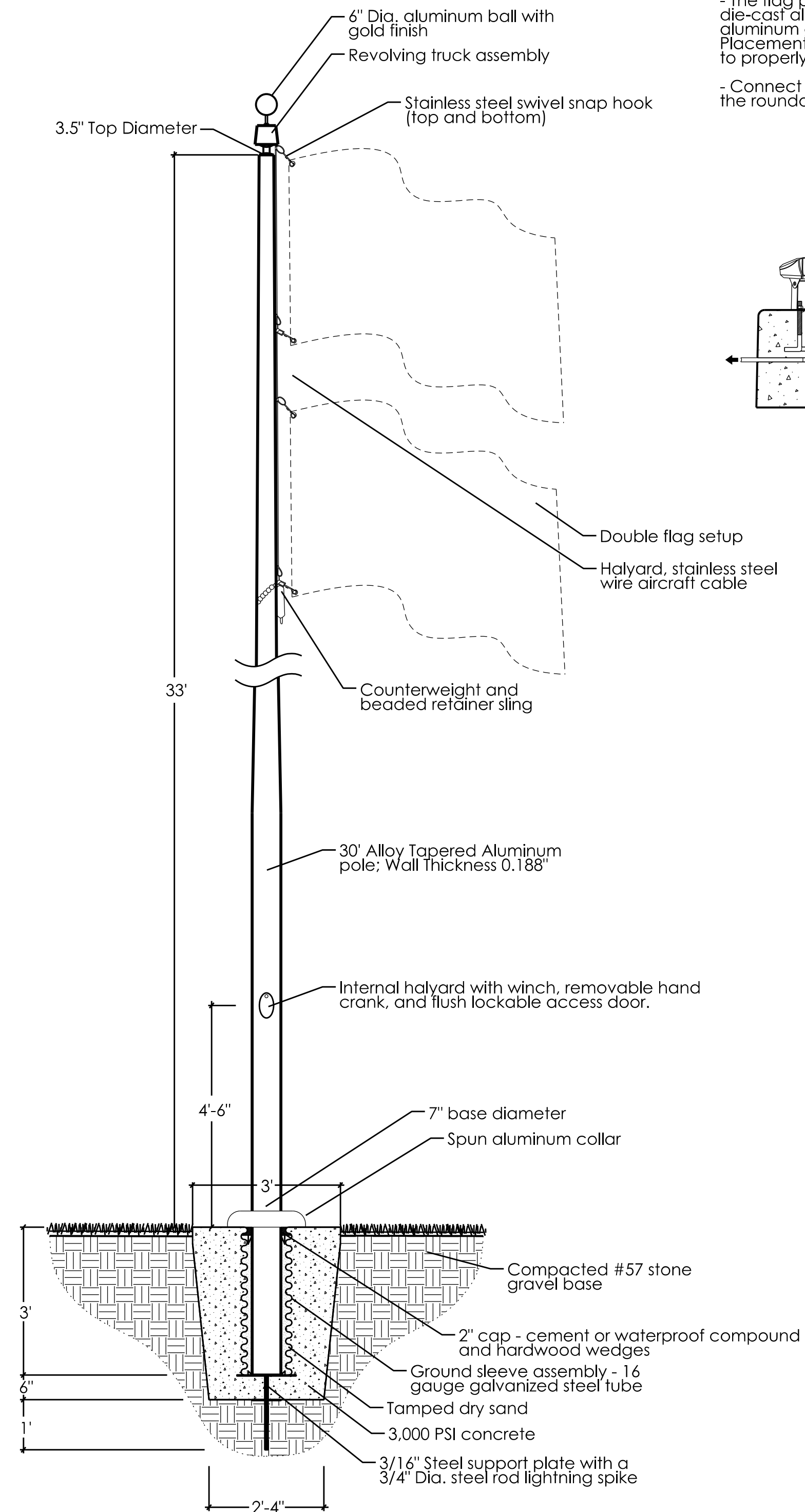


T.I.P. #	ER-5600CI
WBS #	46305.3.82
FED I.D. #	4630518
SHEET NO.:	TOTAL SHEET NO.:
L-3	L-4

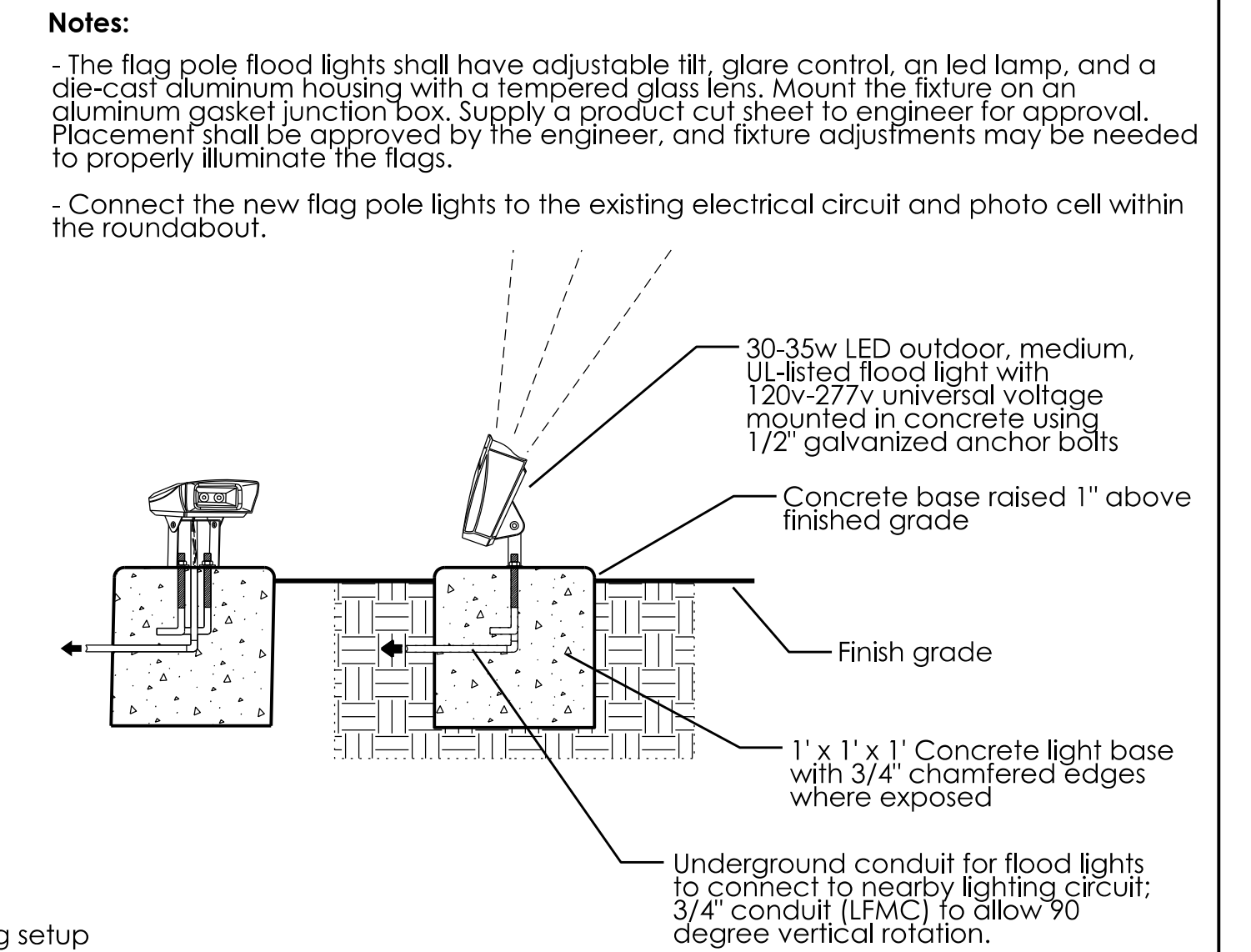
QTY	KEY	BOTANICAL NAME	COMMON NAME	NOTES
372	AT	<i>Asclepias tuberosa</i>	Butterfly Weed	2' O.C.
222	EW	<i>Echinacea purpurea</i> 'PAS702917'	PowWow® Wild Berry Coneflower	18" O.C.
78	IS	<i>Ilex glabra</i> 'Shamrock'	Shamrock Inkberry	4.5' O.C.
123	MC	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass	3' O.C.
66	MW	<i>Muhlenbergia capillaris</i> 'White Cloud'	White Muhly Grass	3' O.C.
6	SP	<i>Sabal palmetto</i>	Cabbage Palmetto	AS Shown



1 Flagpole Section Elevation  
1/2" = 1'-0"

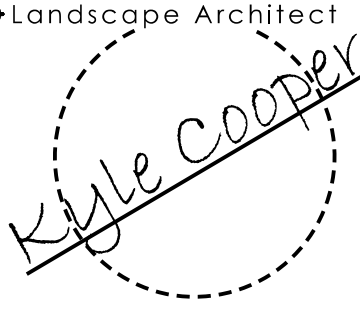


2 Flagpole Flood Lights  
1" = 1'-0"



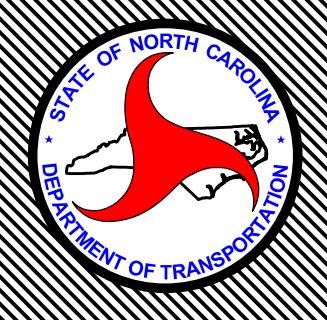
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Shallotte Roundabout  
Brunswick County  
TIP #: ER-5600CI

Landscape Architect  


SHEET DESCRIPTION:  
PREL DESIGN DATE: 12/13/2021  
CHECKED BY & DATE: - - - -  
FINAL DESIGN DATE: 12/30/2021

Landscape Plan  
Landscape Plan Sheet

 T.I.P. # ER-5600CI  
WBS # 46305.3.82  
FED I.D. # 4630518  
SHEET NO.: L-4 TOTAL SHEET NO.: L-4