



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

February 22, 2017

Addendum No. 1

Contract No.: DA00339

WBS Element: 35742.3.2, ETC.

Installation of Ornamental Plant Beds, SODDING, GRADING, IRRIGATION, PAVER AND SEAT WALL CONSTRUCTION

To Whom It May Concern:

Reference is made to the proposal and plans previously furnished for this project.

The following revisions have been made to the proposal:

Page. No. 7, "**Intermediate Contract Time # 2**" has been renumbered to "**Intermediate Contract Time # 3**". Please void existing Page No. 7 and replace with revised Page No. 7.

Page. No. 7A, "**Intermediate Contract Time # 2**" has been added to provide seasonal planting times for daffodil bulbs. Please insert Page No. 7A, in the appropriate location.

Page. No. 8, "**Intermediate Contract Time # 3**" has been renumbered to "**Intermediate Contract Time # 4**". Please void existing Page No. 8 and replace with revised Page No. 8.

Page. No. 27, "**Seasonal Limitations:**", the initial planting time for planting daffodils has been added. Please void existing Page No. 27 and replace with revised Page No. 27.

Page. No. 29, "**Sodding:**", the type of approved sod has been changed from "Tiffway 419 Bermuda" to "El Toro Zoysia". Please void existing Page No. 29 and replace with revised Page No. 29.

Page. No. 30, under "**Mulch for Planting**" and "**Mulch After Planting**" references to Crape Myrtles were deleted. Please void existing Page No. 30 and replace with revised Page No. 30.

Page. No. 35, "**Wiring:**", reference to the type of wiring has been removed. Contractor shall determine wiring size and type based on Code and Manufacturer recommendation. Please void existing Page No. 35 and replace with revised Page No. 35.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION ONE
113 AIRPORT DRIVE, SUITE 100
EDENTON, NC 27932

Telephone: (252) 482-1850
Fax: (252) 482-8722
Customer Service: 1-877-368-4968

Location:
113 AIRPORT DRIVE, SUITE 100
EDENTON, NC 27932

Website: www.ncdot.gov

Page. No. 87, "Bid Form", "**Tifway 419 Bermuda**" has been changed to "**El Toro Zoysia**".
Please void existing Page 87 and replace with revised Page 87.

Plan Sheet No. 1, "**Summary of Quantities**", under Perennials, the type of sod has been changed to El Toro Zoysia. Please void the existing Plan Sheet No. 1 and replace with the revised Plan Sheet No. 1.

Plan Sheet No. 3, a notation to "**REMOVE AND REPLACE EXISTING SIDEWALK**" has been removed. Please void the existing Plan Sheet No. 3 and replace with the revised Plan Sheet No. 3.

Plan Sheet No. 8, the detail for the "**SEAT WALL/BRICK PAVER WALK CROSS SECTION**" has been revised and an additional detail for CMU placement has been added.
Please void the existing Plan Sheet No. 8 and replace with the revised Plan Sheet No. 8.

If you choose the "Electronic Bid Preparation with Manual Delivery Method" or "Traditional Paper Bid Method," please acknowledge receipt of Addendum #1 in the space provided on the Addendum Acknowledgement Form.

If you choose the "Electronic Bid Preparation with Manual Delivery Method," place DA00339.001 in the same folder with DA00339.EBS, so that Expedite Bid will properly apply the addendum.

Sincerely,

DocuSigned by:



99A5A272ED6A447...

W. B. Hobbs, PE
Division Project Manager

WBH/ces
Attachment

Cc: A. W. Roper, PE
C. S. Mebane, PE
P. P. Mansfield

BOND REQUIREMENTS:

(06-01-16)

102-8, 102-10

SPD 01-420A

A Bid Bond is required in accordance with Article 102-10 of the 2012 Standard Specifications for Roads and Structures.

Contract Payment and Performance Bonds are required in accordance with Article 103-7 of the 2012 Standard Specifications for Roads and Structures.

CONTRACT TIME AND LIQUIDATED DAMAGES:

(7-1-95) (Rev. 12-18-07)

108

SP1 G10 A

The date of availability for this contract is **April 3, 2017**.

The completion date for this contract is **June 30, 2020**.

Except where otherwise provided by the contract, observation periods required by the contract will not be a part of the work to be completed by the completion date and/or intermediate contract times stated in the contract. The acceptable completion of the observation periods that extend beyond the final completion date shall be a part of the work covered by the performance and payment bonds.

The liquidated damages for this contract are **Five Hundred Dollars (\$ 500.00)** per calendar day.

INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES:

The contractor shall complete the work required of performing initial planting of trees, shrubs, perennials, and sod; and the installation of irrigation, pavers and seat walls as shown on the plans.

The date of availability for this intermediate contract time will be **April 3, 2017**.

The completion date for this intermediate contract time will be **June 30, 2017**.

The liquidated damages are **Five Hundred Dollars (\$500.00)** per calendar day.

INTERMEDIATE CONTRACT TIME NUMBER 3 AND LIQUIDATED DAMAGES:

The contractor shall complete the work required of performing monthly warranty work within each cycle.

The date of availability for this intermediate contract time will be **the first day of each month for 36 consecutive months**.

The completion date for this intermediate contract time will be **the last day of each month for 36 consecutive months**.

The liquidated damages are **Five Hundred Dollars (\$500.00)** per calendar day.

INTERMEDIATE CONTRACT TIME NUMBER 2 AND LIQUIDATED DAMAGES:

The contractor shall complete the work required of performing initial planting of daffodil bulbs as shown on the plans.

The date of availability for this intermediate contract time will be **September 1, 2017**.

The completion date for this intermediate contract time will be **December 31, 2017**.

The liquidated damages are **Five Hundred Dollars (\$500.00)** per calendar day.

INTERMEDIATE CONTRACT TIME NUMBER 4 AND LIQUIDATED DAMAGES:

(2-20-07)

SP1 G14 B

The Contractor shall not perform any work on this project and/or alter the traffic flow during the following time restrictions:

DAY AND TIME RESTRICTIONS

**MONDAY-THURSDAY FROM THIRTY (30) MINUTES BEFORE SUNSET
TO THIRTY (30) MINUTES AFTER SUNRISE THE FOLLOWING DAY
AND**

**FRIDAY FROM THIRTY (30) MINUTES BEFORE SUNSET
TO THIRTY (30) MINUTES AFTER SUNRISE THE FOLLOWING **MONDAY****

In addition, the Contractor shall not perform any work on this project and/or alter the traffic flow on or during holiday weekends, special events, or any other time when traffic is unusually heavy, including the following schedules:

HOLIDAY AND HOLIDAY WEEKEND LANE CLOSURE RESTRICTIONS

1. For **any event** that creates unusually high traffic volumes, as directed by the Engineer.
2. For **New Year's Day**, between the hours of 30 minutes before sunset. December 31st until 30 minutes after sunrise January 2nd. If New Year's Day is on Saturday or Sunday, then until 30 minutes after sunrise the following Tuesday.
3. For **Easter**, between the hours of **12:00 noon** Thursday through **6:00 a.m.** Monday.
4. For **Memorial Day**, between the hours of 30 minutes before sunset Friday and 30 minutes after sunrise Tuesday.
5. For **Independence Day**, between the hours of 30 minutes before sunset the day before Independence Day and 30 minutes after sunrise the day after Independence Day.

If Independence Day is on a Saturday or Sunday, then between the hours of 30 minutes before sunset the Thursday before Independence Day and 30 minutes after sunrise the Tuesday after Independence Day.

6. For **Labor Day**, between the hours of 30 minutes before sunset Friday and 30 minutes after sunrise Tuesday.
7. For **Thanksgiving Day**, between the hours of 30 minutes before sunset Tuesday and 30 minutes after sunrise Monday.
8. For **Christmas**, between the hours of 30 minutes before sunset the Friday **before the week of Christmas Day** and 30 minutes after sunrise the following Monday **after the week of Christmas Day**.

Holidays and holiday weekends shall include New Year's, Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas. The Contractor shall schedule his work so that lane closures are not required during these periods, unless otherwise directed by the Engineer.

ROADWAY SPECIAL PROVISIONS

PLANTING:

See Standard Specifications Sections 1060 – Landscape Development Materials, 1664 - Sodding and 1670 - Planting.

Seasonal Limitations:

The initial planting will be accomplished between April 3 and June 30, 2017 and between September 1, 2017 and December 31, 2017 as described in the Project Special Provisions, for all plant material for this project. Replacement plantings shall be accomplished between October 15th and March 31st of the respective years for all woody plant material (trees, shrubs and ground covers). All herbaceous plants and containerized grasses will be planted between September 1st and November 30th and March 1st and May 15th or the respective years depending on requirements of each species. All sod will be planted between April 1st and August 20th for warm season species and September 15th thru December 15th for cool season species. Exceptions to these seasonal limitations are at the discretion of the Engineer and will be submitted in writing. All plants originating in North Carolina will be inspected by NCDOT at the nursery. Submit for approval proposed schedule for plant installation, plant source location and nursery contact information.

Topsoil:

Topsoil shall be a sandy loam, silt loam, or clay loam that contains a reasonable amount of humus material. Topsoil will be of good texture, loose and friable and will be representative of topsoil in the general vicinity. It will be reasonably free from sod, hard lumps, subsoil, large roots, rocks and gravel, invasive weed seeds and/or toxic substances or other material, which would be harmful to plant growth. Topsoil shall not be a mixture of contrasting textures subsoils, and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than ½” in diameter. Topsoil for project shall come from a single source, as approved by the Engineer, unless an additional source is submitted and approved prior to use. Topsoil pH shall be within the range of 5.5 to 6.5 or shall be amended per NCDA soil test recommendations to achieve said pH. Topsoil when delivered to the job site, will be approved by the Engineer prior to placement, whether or not the source of topsoil has been previously approved.

When placing topsoil adjacent to trees, no heavy machinery is allowed within the drip-line of the trees.

Landscape Grading:

Contractor shall grade all areas receiving topsoil and other disturbed areas to provide positive drainage prior to receiving sod or plant material.

Weed Control:

During initial planting, Contractor shall successfully treat bed areas with herbicide as needed until all visible, actively growing, non-desirable plant material has been killed in bed areas.

Within 30 days of placing mulch under “*Mulch for Planting*” and “*Mulch After Planting*” Contractor shall successfully apply pre-emergent herbicides to all newly mulched areas to effectively control annual weeds.

Sodding:

Only "approved sod" (trade designation) consisting of tall El Toro Zoysia shall be used. The sod, machine cut to the supplier's standard width and length, shall be 5/8 inch (16 mm) minimum thickness, excluding top growth and thatch, at the time of cutting. Before cutting, the sod shall be uniformly mowed at a height of 2 to 3 inches. Standard sod sections shall be sufficiently strong to support their own weight and retain their size and shape when suspended vertically from a firm grasp on the upper 10% of the section.

Sod shall be delivered on site within 24 hours of being cut and be covered by acceptable means during delivery. A certificate from the sod producer stating the date and time of sod cutting shall accompany the sod when it arrives at the project site. Sod shall be laid within 48 hours of being cut. All areas disturbed by tillage or scarification shall be covered by sod within 24 hours of disturbance to meet Rapid Permanent Seeding and Mulching requirements.

Prior to beginning preparation of the soil to receive sod, apply a non-selective herbicidal treatment to effectively kill all vegetation. All eroded, uneven and rough areas shall be contour graded and/or filled with topsoil as directed by the Engineer.

The Contractor shall be responsible for taking sufficient soil samples (at least one sample per planting area for testing by The Department of Agriculture, Soil Testing Division, to determine the soil pH. Samples shall be taken in the presence of the Engineer. Results shall be received by the Engineer directly from the North Carolina Department of Agriculture and Consumer Services.

Limestone: Based on these results the Contractor shall add limestone, if required, to bring the soil pH to 5.5 to 6.5 (opt. 6.0). The amount of limestone to be applied will be approved by the Engineer prior to application. Application of limestone will be considered incidental to the work of "Sodding" and no direct payment will be made for such.

Sulfur: Based on these results the Contractor shall add sulfur if the pH is greater than 7.0, to bring the soil pH to 5.5 to 6.5 (opt. 6.0). The amount of sulfur to be applied will be approved by the Engineer prior to application. Application of sulfur will be considered incidental to the work of "Sodding" and no direct payment will be made for such.

The Contractor shall be responsible for all watering and other maintenance required to maintain the livability and health of the sod following initial planting until completion of a 60 day observation period. Additional water shall be applied as needed and as directed by the Engineer to maintain the livability of the sod. Each additional watering event shall be a minimum of 0.5 inch of water (2.8 gallons per square yard) uniformly applied over the sodded area and may be placed in a series of passes to prevent runoff, with a minimum of 1/4 inch on each pass.

Any sod or portions of sod rejected by the Engineer after placement but prior to beginning the observation period, shall be removed from the project and replaced with acceptable sod. Satisfactory replacement of sod shall begin within 10 days of notification. Failure to replace and repair damaged or dead sod as directed by the Engineer may result in sanctions under Article 108-7 or Article 108-8.

Observation Period:

Upon satisfactory completion of work of sodding and acceptance by the Engineer, the 60 day observation period shall begin.

The Contractor shall be responsible for all watering and other maintenance required to maintain the livability of the sod from installation until final acceptance including monitoring the sod to ensure all watering and other maintenance is performed as required.

After the first 30 days of the 60 day observation period, the Contractor and Engineer shall meet to review the project and identify dead or damaged sod to be replaced. The Contractor, at no additional expense to the Department, shall satisfactorily replace any sod that is not in a living and healthy condition as determined by the Engineer. Replacement sod shall be furnished and installed in accordance with the same requirements as for initial sodding operation, except that the amounts of limestone, sulfur, and water may be readjusted as directed by the Engineer. Satisfactory replacement of sod shall begin within 10 days of notification. Failure to replace and repair damaged or dead sod as directed by the Engineer may result in sanctions under Article 108-7 or Article 108-8. Upon completion and acceptance of the sod repairs, the remaining 30 days of the observation period shall begin.

At the end of the 60 day observation period, the sod furnished and installed under this contract must be in a living and healthy condition, as determined by the Engineer.

The sod shall be weed free at the end of the 60 day observation period.

Mulch for Planting:

Mulch for planting will be double shredded, aged hardwood bark from a single source unless otherwise approved by the Engineer. Submit a sample for approval prior to placement. During initial renovation, place mulch over ~~Crape Myrtle~~ tree and plant bed areas to a finished depth of 3". Rake all mulch applications to create a uniform finish. Pull mulch away from ~~Crape Myrtle~~ trees so that it is not laying against the tree bark.

Mulch After Planting:

Mulch after planting will be double shredded, aged hardwood bark from a single source unless otherwise approved by the Engineer. Submit a sample for approval prior to placement.

Between March 1 and April 30 of 2018 and 2019, install additional mulch over existing mulch to maintain a total mulch finished depth of 3". Rake all mulch applications to create a uniform finish. Pull mulch away from ~~Crape Myrtle~~ trees so that it is not laying against the tree bark.

Monthly Warranty Work:

Warranty Work shall begin after the initial planting has been completed and accepted. All items described under Section 1670-14 Establishment will be effective with the exception of mowing. During each warranty cycle, the Contractor and the Roadside Environmental Engineer will discuss the warranty work that is needed. The Contractor is responsible for making an assessment of needs according to the items described under 1670-14, Establishment, and performing such work without specific direction from the Engineer.

All backfill material shall be free of rock, stones, lumps, or debris. Backfilled trenches shall be compacted to a degree comparable to the adjacent undisturbed material. Trenches shall be tamped mechanically. All disturbed areas shall be dressed off to finish grade. The Contractor shall be responsible for settling of the irrigation trenches for a period of one (1) year from date of final acceptance and refill trenches as needed.

PVC pipe shall be the size as noted on the irrigation plans.

All solvent weld fittings shall have a minimum Schedule 40 PVC rating.

All main line pipe and system zone line pipe shall be PR 200 PVC pipe.

Wiring: Automatic control wiring shall be installed in a common trench with the system piping where feasible. All wiring shall be installed at least 12 inches below finished grade and to the side and below the irrigation piping. The Contractor shall provide looped slack at the valve locations and snake wires in the trench to allow for linear contraction of the wires. Wiring shall be bundled and tied or taped at 10 ft. intervals. The following shall also apply:

~~All 26.5 VAC control wiring shall be #14 AG, single strand, copper wire with polyethylene UF installation rated for 300 VAC minimum unless otherwise noted. Common wires from controllers shall be white in color while hot wires shall be red in color.~~

Control wire splices shall be allowed only in runs of 500 feet or more. Splices shall be kept to a minimum and shall be made with approved materials.

Concentrations of splices, where necessary, shall be installed in Ametek valve boxes or approved equal.

All 26.5 VAC control wire shall be installed within conduit whenever the wire is passing through sleeves.

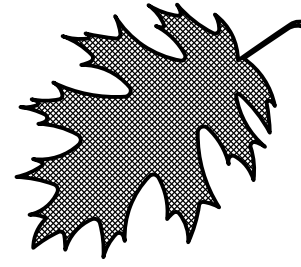
Drip Irrigation Emitters: All drip irrigation emitters shall be of the size, type, and model numbers as indicated by the irrigation drawings and notes. Spacing of the emitters on this project shall not exceed the manufacturer's maximum recommended spacing. The location of all emitters shall be as shown on the irrigation plans.

½" & ¼" Tubing: All drip irrigation ½" and ¼" tubing shall be the size and type as indicated on the irrigation plans and shall be located as shown in the details. The ½" tubing shall be Rainbird Xeri-Tube 700 or approved equal and the ¼" tubing shall be Rainbird ¼" Vinyl Distribution Tubing or an approved equal. All drip irrigation tubing shall meet the manufacturers recommended specifications.

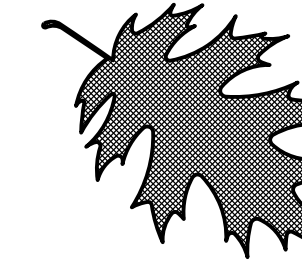
Ball and Remote Control Valves, Filters, and Pressure Regulators: The ball and remote control valves, filters, and pressure regulators shall be a part of the Rainbird Control Zone Kit ¾" or approved equal. The kit contains a XBV-075 ball valve, a 75-DVX remote control valve, a RBY-075-200MX in-line filter, a PSI-M30X pressure regulator, and two ¾" schedule 80 nipples. The Control Zone Kit ¾" shall be installed to manufacturers specifications. The location of all valves, filters, and pressure regulators shall be as shown on the irrigation plans.

County : Pasquotank

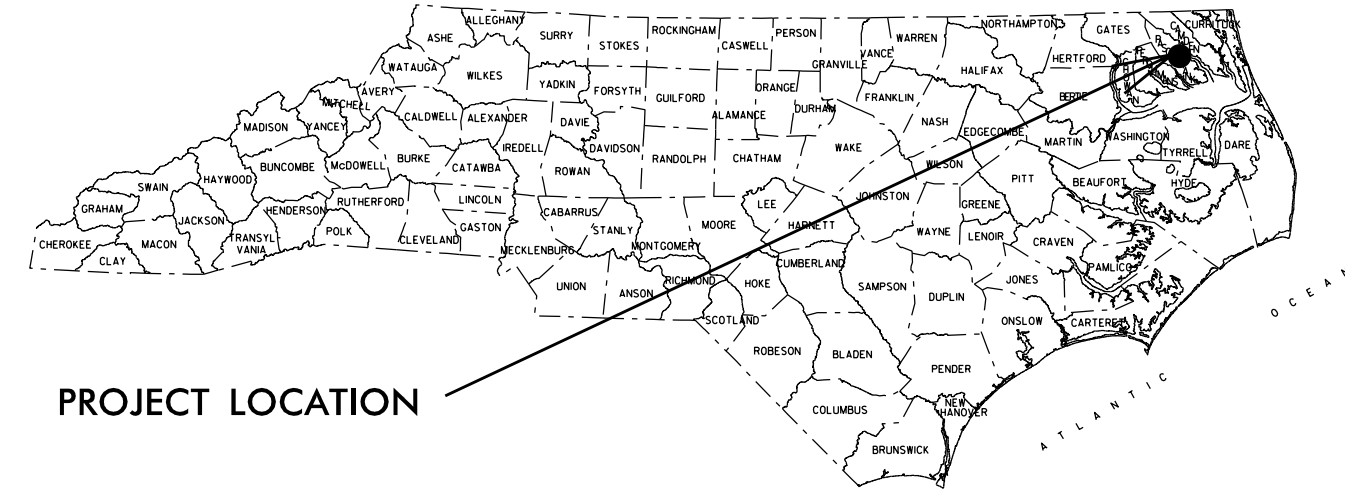
Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	4457000000-N	SP	TEMPORARY TRAFFIC CONTROL	Lump Sum	L.S.	
0003	6102000000-E	1664	SODDING (EL TORO ZOYSIA)	3,448 SY		
0004	6375000000-N	1670	ILEX X 'NELLIE R STEVENS', NE LLIE R STEVENS HOLLY, (ILEX, 8', B&B)	17 EA		
0005	6375000000-N	1670	ILEX X 'NELLIE R STEVENS', NE LLIE R STEVENS HOLLY, (REPLACEMENT PLANTING, ILEX, 8 ' , B&B)	2 EA		
0006	6395000000-N	1670	ILEX, HOLLY, (ILEX CORNUTA, CARISSA HOLLY, 18-24", # 3 CONTAINER)	52 EA		
0007	6395000000-N	1670	ILEX, HOLLY, (REPLACEMENT ILEX CORNUTA, CAR ISSA HOLL Y, 18-24", #3 CONTAINER)	5 EA		
0008	6430000000-N	1670	LAGERSTROEMIA, CRAPE MYRTLE, (LAGERSTROEMIA INDICA, RED ROC KET, 8')	57 EA		
0009	6430000000-N	1670	LAGERSTROEMIA, CRAPE MYRTLE, (REPLACEMENT PLANTING, LAGERST ROEMIA, RE D ROCKET, 8')	5 EA		
0010	6490000000-N	1670	MYRICA CERIFERA, WAX MYRTLE, (MYRICA CERIFERA, SOUTHERN WAX MYRTLE, 24-30", #5 CONTAINER)	19 EA		
0011	6490000000-N	1670	MYRICA CERIFERA, WAX MYRTLE, (REPLACEMENT PLANTING, MYRICA CERIFERA, SOUTHERN WAX MYRTLE, 24-30", #5 CONT.)	2 EA		
0012	6605000000-N	1670	TAXODIUM DISTICHUM, BALD CY- PRESS, (REPLACEMENT PLANTING, TAXODIU M DISTICH UM BALD, CYPRESS, 8', CAL. 1.2 5-1.5"B&B)	1 EA		



HIGHWAY LANDSCAPE DEVELOPMENT PROJECT



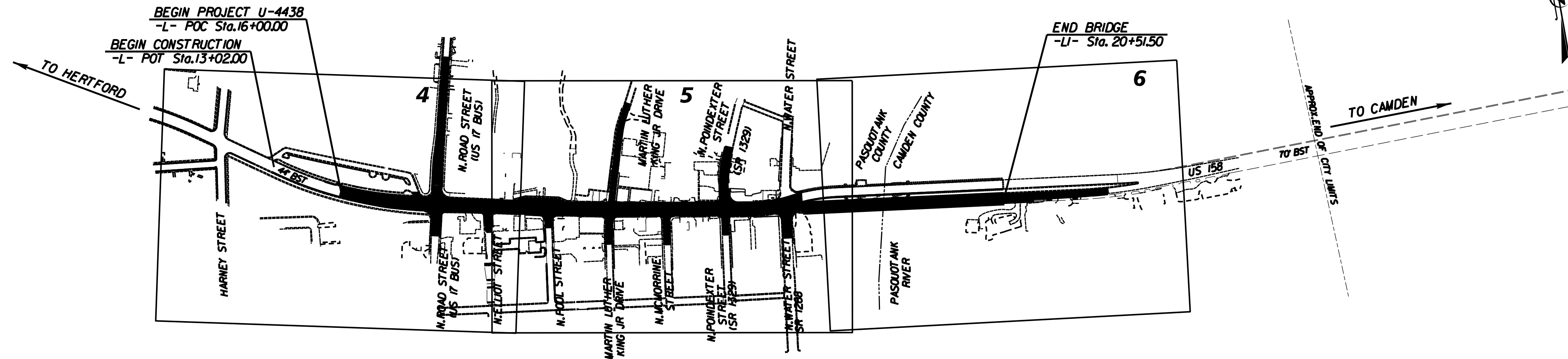
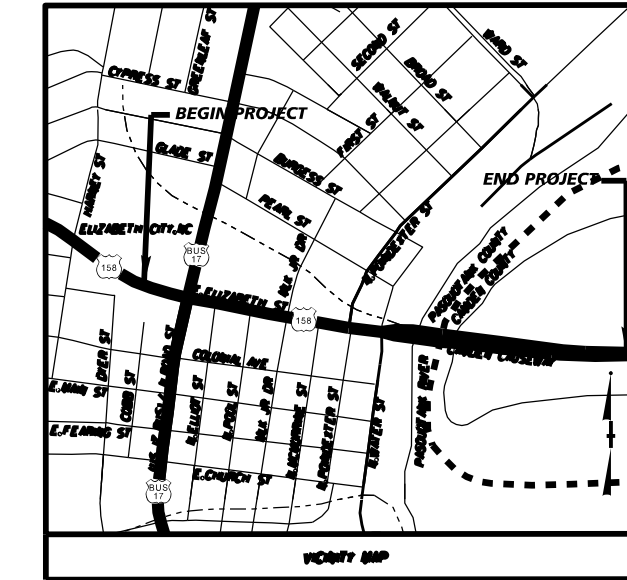
T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
U-4438	43534.1.1	L1	15
FED. PROJ. #	DESCRIPTION	DIVISION	
-	TIP	1	



PASQUOTANK COUNTY

LOCATION: US 158 (EAST ELIZABETH STREET) FROM US 17 BUSINESS (NORTH ROAD STREET) TO EAST OF PASQUOTANK RIVER IN ELIZABETH CITY

TYPE OF WORK: LANDSCAPE ENHANCEMENT PLAN



Summary of Quantities
3 year establishment

DES	SEC	QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	SIZE	CALIPER	FURNISH	A.S.N.S.	REMARKS
Trees											
L	1670	17	ea	IN	<i>Ilex x 'Nellie R. Stevens'</i>	Nellie Stevens Holly	7-8'		B&B	5.8	14' O.C.
L	1670	57	ea	LR	<i>Lagerstroemia indica 'Red Rocket'</i>	Red Rocket® Grape Myrtle	7-8'		B&B	2.5	As Shown
L	1670	5	ea	TD	<i>Taxodium distichum</i>	Baldcypress	8-10'	1.25-1.5"	B&B	4.7	40' O.C.
Shrubs											
L	1670	52	ea	IC	<i>Ilex cornuta 'Carissa'</i>	Carissa Holly	18-24"		#3 Cont.	5.6	4' O.C.
L	1670	19	ea	MC	<i>Myrica cerifera</i>	Southern Wax Myrtle	24-30"		#3 Cont.	5.7	9' O.C.
L	1670	3	ea	OF	<i>Olea europaea 'Fortune'</i>	Fortune's Tea Olive	3-4'		#10 Cont.	5.7	17' O.C.
Perennials											
L	1670	7	ea	GS	<i>Gelsemium sempervirens</i>	Carolina Jessamine	12-18"		#3 Cont.	13.6	2' O.C.
L	1670	1240	ea	HH	<i>Hemerocallis 'Happy Returns'</i>	Happy Returns Daylily	6-12"		#1 Cont.	13.2.3	2' O.C.
L	1670	177	box	NP	<i>Narcissus pseudonarcissus 'Carlton'</i>	Carlton Daffodil	n/a		50/box	12.19.2	1' O.C.
L	1670	139	ea	PA	<i>Pennisetum alopecuroides</i>	Fountain Grass	18-24"		#3 Cont.	13.4	3' O.C.
L	1670	3448	sq		<i>Zoysia 'El Toro'</i>	El Toro Zoysia	n/a		Sod		Tight Seams
Other											
L	1670	150	cy		Mulch for Planting						3" Depth
L	1670	40	m/g		Water for Planting						
L	SP	150	cy		Topsoil						3" depth in all plant beds
L	SP	426	LF		Metal Edging						Commercial Grade Steel; 4" Wide; 12g; Brown Powder Coat Finish; 10" Spikes
L	SP	3384	SF		Brick Pavers						
L	SP	336	LF		Seat Wall						
L	SP	380	sq		Geotextile Fabric						
L	SP	1	IS		Irrigation						
L	1670	36	ea		Monthly Warranty Work						

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.....
- Railroad.....
- Wood.....
- 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:

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- L 2.0 ... PLANTING DETAILS
- L 3.0 - L 5 ... PLANTING PLANS
- L 6.0 - L 7 ... SOD LOCATION PLANS
- L 8.0 - L 10 ... HARDSCAPE DETAIL SHEET
- L 11 ... IRRIGATION NOTES
- L 12 ... IRRIGATION PLAN SHEET
- L 13 ... IRRIGATION PLAN SHEET ENLARGEMENT
- L 14 ... IRRIGATION PLAN SHEET
- L 15 ... IRRIGATION PLAN SHEET ENLARGEMENT

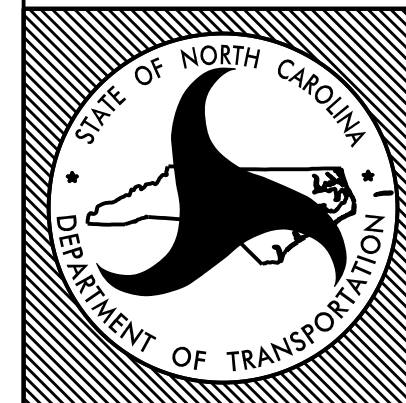
PREPARED BY: **BM** DATE: 08/2016

REVISIONS

DATE	DESCRIPTION

U-4438: US 158 / US 17 Bus.

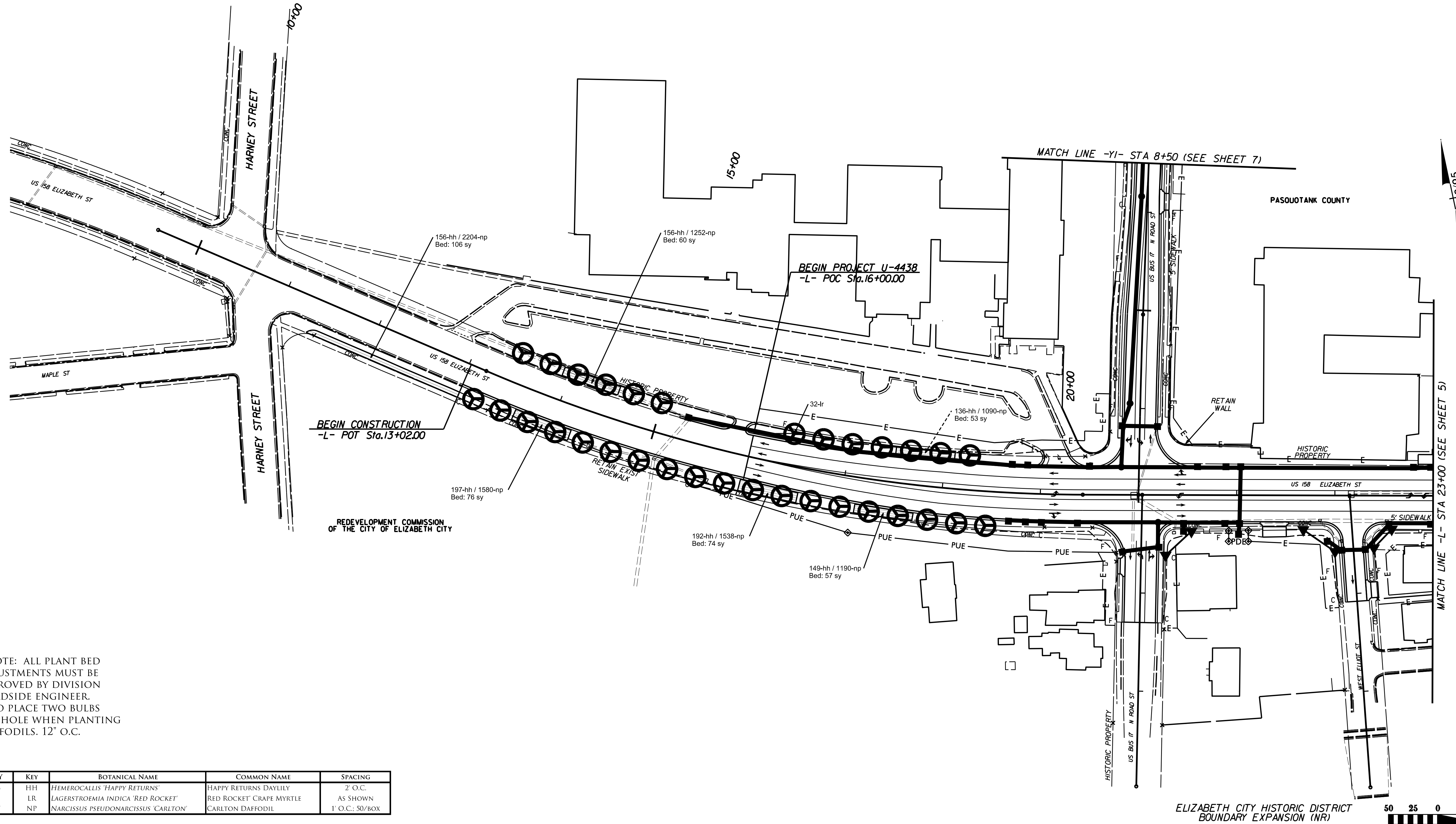
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STATE OF
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

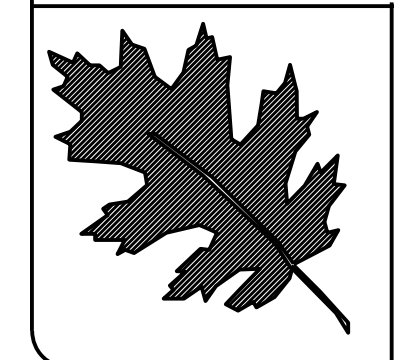
LOCATION: US 158 / US 17 Bus.
TYPE of WORK: T.I.P. Landscape Planting
COUNTY: Pasquotank County

2014 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



* NOTE: ALL PLANT BED ADJUSTMENTS MUST BE APPROVED BY DIVISION ROADSIDE ENGINEER. ALSO PLACE TWO BULBS PER HOLE WHEN PLANTING DAFFODILS. 12" O.C.

QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
986	HH	HEMEROCALLIS 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	2' O.C.
32	LR	LAGERSTROEMIA INDICA 'RED ROCKET'	RED ROCKET' CRAPE MYRTLE	AS SHOWN
177	NP	NARCISSUS PSEUDONARCISSUS 'CARLTON'	CARLTON DAFFODIL	1' O.C.; 50/BOX



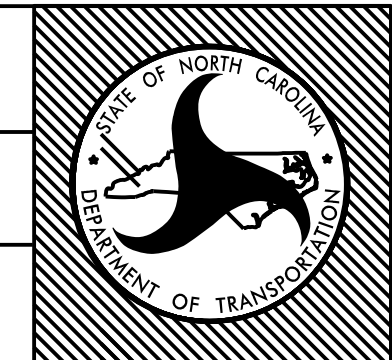
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
 LANDSCAPE DESIGN & DEVELOPMENT
 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
 PH: 919-707-2935 FAX: 919-715-2554
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

US 158 / US 17 BUSINESS
 PASQUOTANK COUNTY
 TIP #: U-4438

REU. DESIGNER
By Minter, Sy.

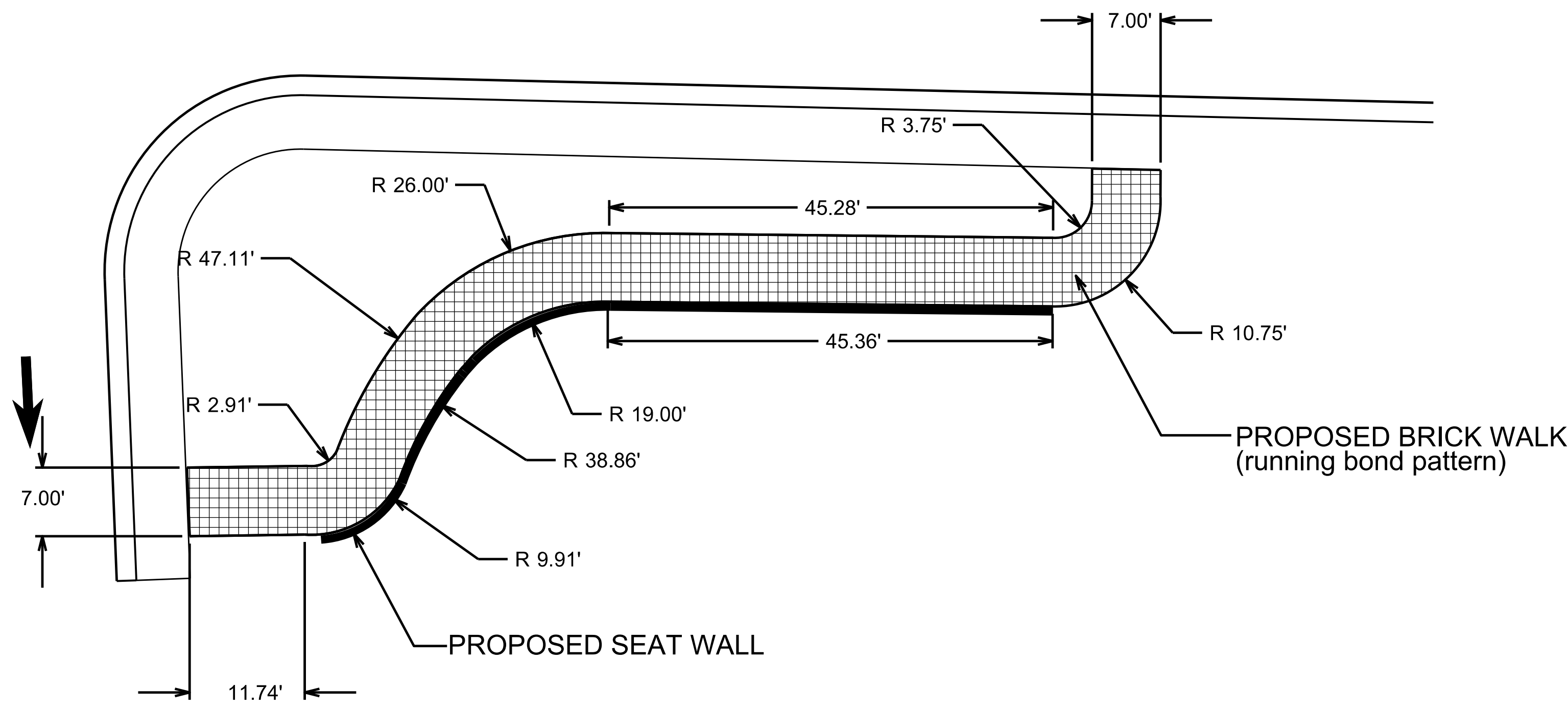
PREL. DESIGN DATE: MAY 2015
 CHECKED BY & DATE: K.COOPER 8/2016
 FINAL DESIGN DATE: AUG 2016

PLANTING PLAN
 LANDSCAPE PAC PROJECT

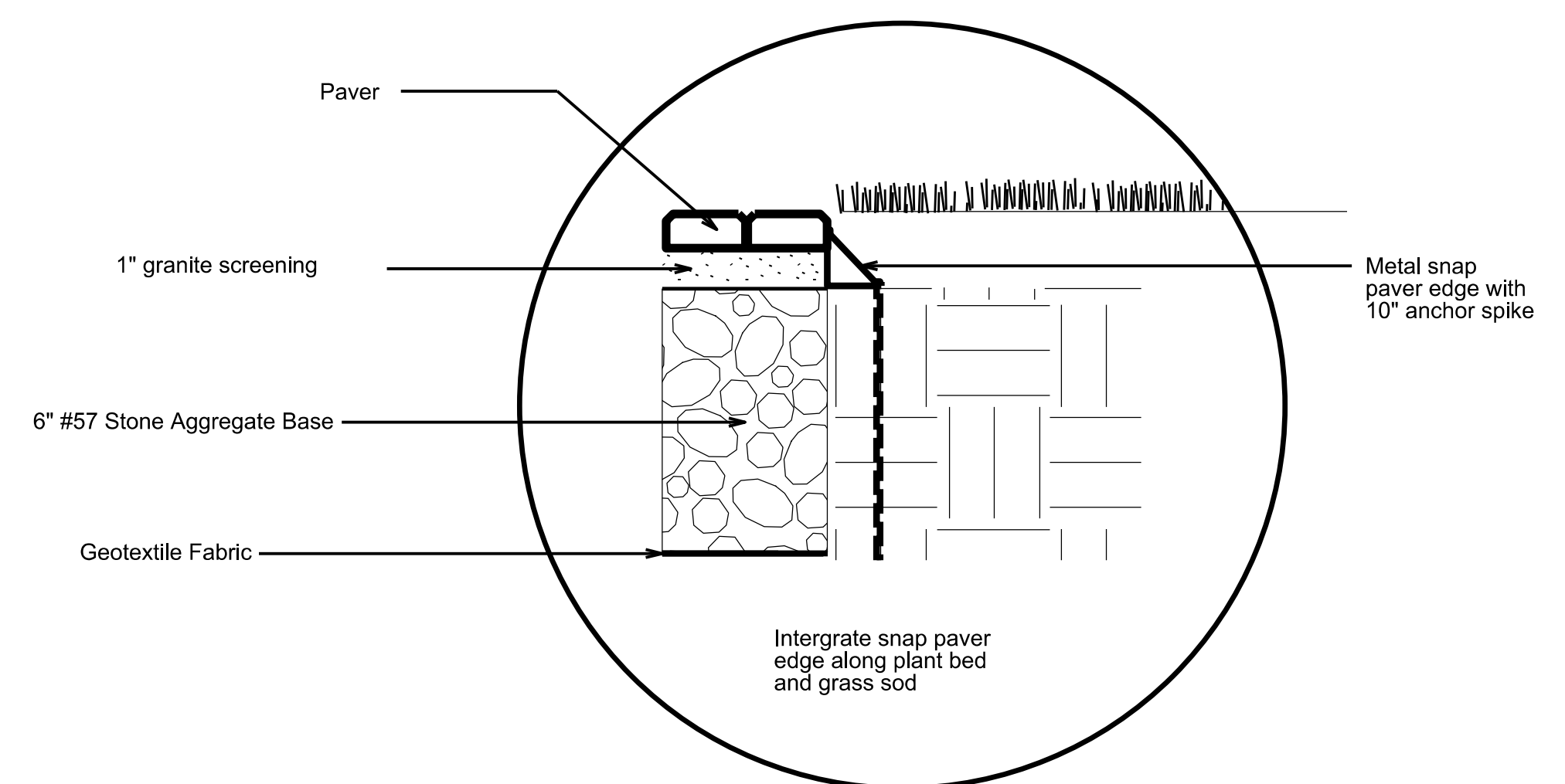


T.I.P. #: U-4438
 WBS #: 43534.1.1
 FED I.D. #
 SHEET NO.: L-3
 TOTAL SHEET NO.: 15

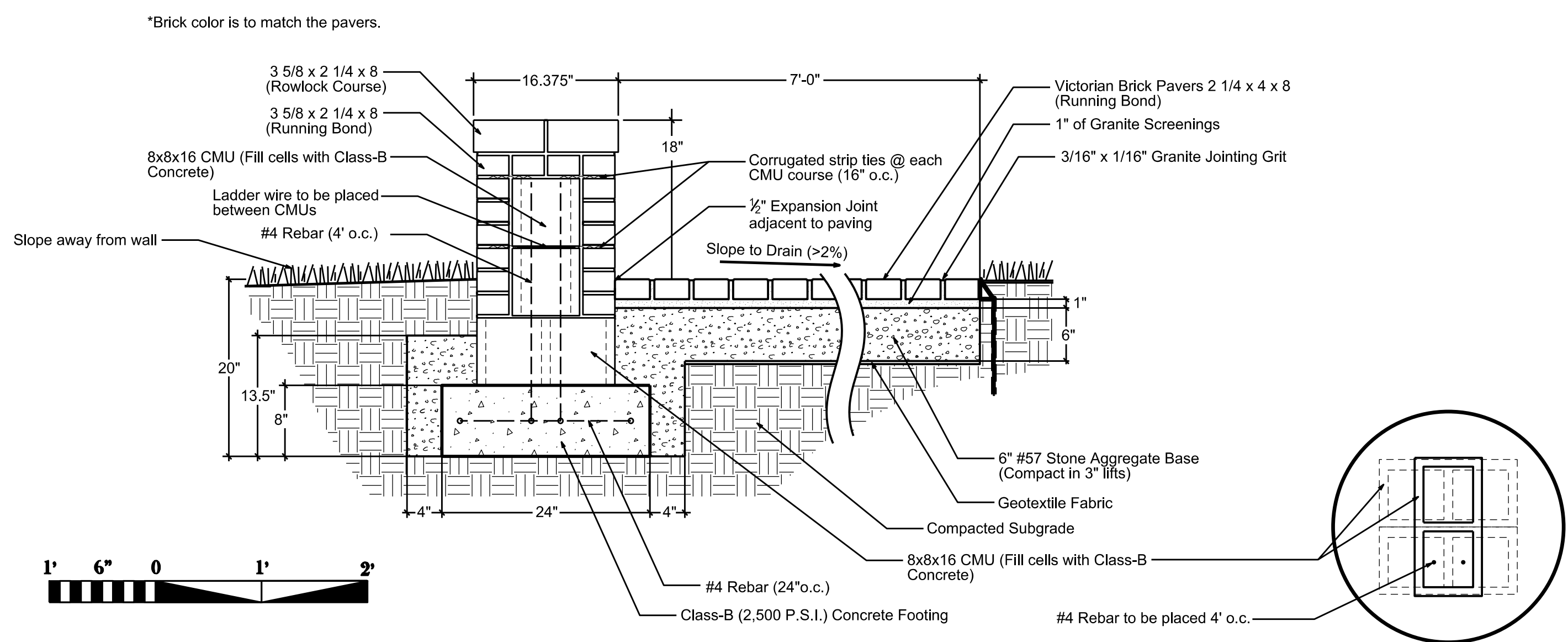
REVISED 2/22/17



SEAT WALL / BRICK PAVER WALK

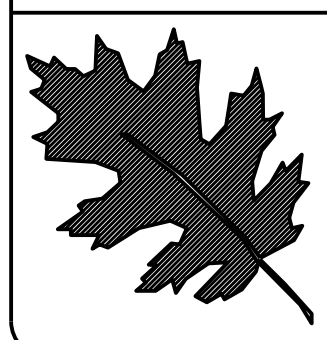


PAVER EDGE ENLARGEMENT



SEAT WALL / BRICK PAVER WALK SECTION ELEVATION
1"=1'-0"

STACKED CMU PLAN VIEW
1"= 1'-0"



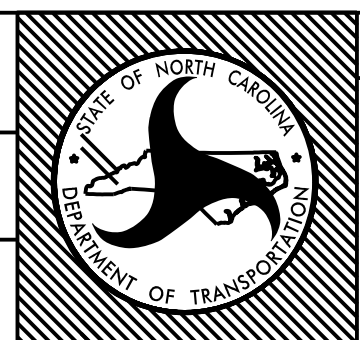
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT
1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
PH: 919-707-2935 FAX: 919-715-2554
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US 158 / US 17 BUSINESS
PASQUOTANK COUNTY
TIP #: U-4438

REV. DESIGNER
B. Minter

PREL. DESIGN DATE :	MAY 2015
CHECKED BY & DATE :	K.COOPER 8/2016
FINAL DESIGN DATE :	AUG 2016

HARDSCAPE PLAN
LANDSCAPE PAC PROJECT



T.I.P. # U-4438
WBS # 43534.1.1
FED I.D. #
SHEET NO. : **L-8** TOTAL SHEET NO. : **15**