

# STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

PAT MCCRORY GOVERNOR NICHOLAS J. TENNYSON SECRETARY

March 29, 2016

# Addendum No. 1

Contract No.: DA00263

WBS Element: 3701.3.24

Landscaping, Sodding, Grading, Sidewalk And Patio Construction At The Camden County

Rest Area, Located In Camden County

To Whom It May Concern:

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

The following revision has been made to the proposal and plans:

Page No. 7 "Contract Time & Liquidated Damages" has been revised to extend the completion date. Please void existing Page No. 7 and staple revised Page No. 7 thereto.

Page No. 22 "US Department of Transportation Hotline" has been removed. Please void existing Page No. 22 and staple revised Page No. 22 thereto.

Page No. 22A "US Department of Transportation Hotline" has been included to add language related to the "Cargo Preference Act". Please attach Page No. 22A to the contract proposal.

Page No. 32 "Detectable Warnings to Retrofit Existing Curb Ramps" has been revised make the contractor aware that Engineered Plastic, Rubber & Composite Tile detectable warnings will <u>NOT</u> be allowed on this project. Please void existing Page No. 32 and staple revised Page No. 32 thereto.

Page No. 34 "7" Wood Fence" has been revised make the contractor aware that all lumber used the fence construction shall be treated with water borne pentachlorophenol or CCA (Chromated Copper Arsenate) in accordance with the American Wood Preserver's Association. Please void existing Page No. 34 and staple revised Page No. 34 thereto.

Page No. 38 "River Stone and Dry Creek Bed Drainage" has been revised to clarify the pay items for River Stone. Please void existing Page No. 38 and staple revised Page No. 38 thereto.

Page No. 42 "Seeding and Mulching" has been revised clarify the fertilizer requirements for repair seeding. Please void existing Page No. 42 and staple revised Page No. 42 thereto.

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Page 2

Plan Sheet No.L6 "Hardscapes Plan" has been revised to illustrate a section of 4" PVC Sleeve Pipe and fittings to attach the drainage pipe connecting the gutter downspout (Southeastern Corner of the Rest Area Building), under the proposed sidewalk, to the existing drainage system. Please void existing Plan Sheet No. L6 and staple revised Plan Sheet No.L6 thereto.

Plan Sheet No.L13 "Drainage Plan" has been revised to illustrate the drainage pipe connecting the gutter downspout (Southeastern Corner of the Rest Area Building) to the existing drainage system. Please void existing Plan Sheet No.L13 and staple revised Plan Sheet No.L13 thereto.

Plan Sheet No. 15 "Planting Details – Boulder Placement Detail Typical" has been revised to clarify that the Contractor shall be responsible for providing the stones. Please void existing Page No. 15 and staple revised Page No. 15 thereto.

Please acknowledge receipt of Addendum #1 in the space provided on the Addendum Acknowledgement Form.

Sincerely, DocuSigned by:

W.B. B.

W. B. Hobbs, PE

Division Project Manager

WBH/ces Attachment

cc: A. W. Roper, PE

C. S. Mebane, PE

P. P. Mansfield

# **CONTRACT TIME AND LIQUIDATED DAMAGES:**

**REVISED 3/29/2016** 

SP1 G10 A

The date of availability for this contract is May 9, 2016.

The completion date for this contract is **June 30, 2017.** 

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 all work required of performing "initial planting" of all trees, shrubs, and perennials and all work required of performing "site work and construction" of sidewalks, installation of pavers, concrete walls, decking, wooden benches, lighting, and wooden fencing as shown on the plans.

The date of availability for this intermediate contract time will be May 9, 2016.

The completion date for this intermediate contract time will be **June 24, 2016.** 

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 watering on demand, as directed by the Engineer, throughout the contract time.

The time of availability for watering on demand shall be the time the Contractor is notified by the Engineer to begin watering.

The completion time for watering on demand shall be the time that is 72 hours from the time of availability.

The liquidated damages are **Fifty Dollars** (\$50.00) per hour time period or any portion thereof.

#### INTERMEDIATE CONTRACT TIME NUMBER 3 AND LIQUIDATED DAMAGES:

The contractor shall complete the work required of performing monthly warranty work on all bed areas as shown on the plans.

The date of availability for this intermediate contract work will be first day of each month in the respective monthly warranty cycle.

The completion date for this intermediate contract work will be the last day of each month in the respective monthly warranty cycle.

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

(B) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, Disclosure Form to Report Lobbying, in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

# CONTRACTOR'S LICENSE REQUIREMENTS:

SP1 G88

If the successful bidder does not hold the proper license to perform any plumbing, heating, air conditioning, or electrical work in this contract, he will be required to sublet such work to a contractor properly licensed in accordance with Article 2 of Chapter 87 of the General Statutes (licensing of heating, plumbing, and air conditioning contractors) and Article 4 of Chapter 87 of the General Statutes (licensing of electrical contractors).

A licensed Landscape Contractor shall be required to perform the landscaping work of this contract.

# **U.S. DEPARTMENT OF TRANSPORTATION HOTLINE:**

To report bid rigging activities call: 1-800-424-9071

SP1 G100

The U.S. Department of Transportation (DOT) operates the above toll-free hotline Monday through Friday, 8:00 a.m. to 5:00 p.m. eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the hotline to report such activities.

The hotline is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

#### SUBSURFACE INFORMATION:

(11 22 94)

450 SP1 G112 A

There is **no** subsurface information available on this project. The Contractor shall make his own investigation of subsurface conditions.

# **U.S. DEPARTMENT OF TRANSPORTATION HOTLINE:**

(11-22-94) 108-5 SP1 G100

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# **CARGO PREFERENCE ACT:**

(2-16-16)

Privately owned United States-flag commercial vessels transporting cargoes are subject to the Cargo Preference Act (CPA) of 1954 requirements and regulations found in 46 CFR 381.7. Contractors are directed to clause (b) of 46 CFR 381.7 as follows:

- (b) Contractor and Subcontractor Clauses. "Use of United States-flag vessels: The contractor agrees-
  - "(1) To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.
  - (2) To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b) (1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.
  - (3) To insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract."

#### **DETECTABLE WARNINGS TO RETROFIT EXISTING CURB RAMPS: REVISED 3/29/2016** (10-21-03) (Rev. 8-16-11)

# **Description**

Construct detectable warnings consisting of raised truncated domes to retrofit existing curb ramps in accordance with the plan details, Section 848 of the 2012 Standard Specifications, the requirements of the 28 CFR Part 36 ADA Standards for Accessible Design and these provisions.

#### Materials

Detectable warning for retrofitting existing curb ramps shall consist of raised truncated domes. The description, size and spacing shall conform to Section 848 of the 2012 Standard Specifications.

Use material for detectable warning systems as shown herein. Material and coating specifications must be stated in the Manufacturers Type 3 Certification and all Detectable Warning systems must be on the NCDOT Approved Products List.

Install detectable warnings created from one of the following materials: precast concrete blocks or bricks, clay paving brick, gray or ductile iron castings, mild steel, stainless steel, and engineered plastics, rubber or composite tile. Only one material type for detectable warning will be permitted per project, unless otherwise approved by the Engineer.

- Detectable Warnings shall consist of a base with integrated raised truncated domes, and when (A) constructed of precast concrete they shall conform to the material requirements of Article 848-2 of the 2012 Standard Specifications.
- (B) Detectable Warnings shall consist of a base with integrated raised truncated domes, and may be comprised of other materials including, but not limited to, clay paving brick, gray iron or ductile iron castings, mild steel, stainless steel, and engineered plastics, rubber or composite tile, which are applied directly to the curb ramps by incorporating into or attaching to the existing ramp floor. The material shall have an integral color throughout the thickness of the material. The detectable warning shall include fasteners, anchors, or adhesives for attachment in the existing ramp and shall be furnished as a system from the manufacturer.

Prior to installation, the Contractor shall submit to the Engineer assembling instructions from the manufacturer for each type of system used in accordance with Article 105-2 of the 2012 Standard Specifications. The system shall be furnished as a kit containing all consumable materials and consumable tools, required for the application. They shall be capable of being affixed to or anchored in the concrete curb ramp, including green concrete (concrete that has set but not appreciably hardened). The system shall be solvent free and contain no volatile organic compounds (VOC). The static coefficient of friction shall be 0.8 or greater when measured on top of the truncated domes and when measured between the domes in accordance with ASTM C1028 (dry and wet). The system shall be resistant to deterioration due to exposure to sunlight, water, salt or adverse weather conditions and impervious to degradation by motor fuels, lubricants and antifreeze.

Form and pour concrete pad to the dimensions shown and with a slope of 2% to prevent water from pooling. Give the concrete pad the same finish as sidewalks. Do not place backfill until at least 3 curing days have elapsed. Compact the backfill to a degree comparable to the adjacent undisturbed material.

#### **Compensation:**

The work of furnishing and installing the relocated picnic table, when completed and accepted, will be paid for by each, for *Generic Rest Area Item (Relocate Picnic Table)*. Such prices for a new concrete pad and table relocation will include but not be limited to, all labor, materials, and any other incidentals necessary or required to complete the work.

Payment will be made under:

Pay Item Pay Unit

Generic Rest Area Item (Relocate Picnic Table)

Each

# 7' WOOD FENCE:

#### General:

The work covered by this item shall consist of furnishing and installing the board on board wood fence, posts, and concrete piers as shown on the plans and described herein.

# **Carpentry and Millwork:**

See drawings and details for location and quantity of both rough and finish carpentry.

#### **Materials:**

Grading of all lumber and trim shall conform to the association under whose rules it is graded. Moisture content shall not exceed 18 percent for framing lumber and 12 percent for millwork and trim. All lumber shall be treated with water borne pentachlorophenol or CCA (Chromated Copper Arsenate) in accordance with standards of the American Wood Preserver's Association. Minimum retention shall be 0.25 pcf for material 2 inches and smaller and 0.40 pcf for materials greater than 2 inches. All lumber and millwork shall be stored in a manner that will keep it dry and well-ventilated, well off the ground, and adequately covered.

Carpentry and millwork materials shall be as follows: All lumber shall be full size; rough- cut No. 1 southern yellow pine, thru-bolted where shown on drawings and securely spiked together at all other joints. All bolts, screws, washers, and channel shall be galvanized and conform to all applicable requirements of Section 1076 of the Standard Specifications. Touch-up all breaks in galvanizing, such as holes, end cuts, etc. with zinc rich paint prior to assembling bench. Lattice accent should be a well-made 3/8" basket weave lattice left unstained. Concrete shall be Class "B" and meet the requirements of Section 1000 of the Standard Specifications. Submit product specifications for all fence components.

#### **Installation:**

Excavate and pour concrete piers as shown on the drawings. Place reinforcing steel anchors, in concrete piers, as described in Section 420-14 and Section 1072. Construction and framing shall be cut and assembled square on bearings, closely fitted, accurately set to required lines and levels, and rigidly secured in place.

#### Compensation: REVISED 3/29/2016

Generic Rest Area Item (Dry Creek Bed Drainage) will be paid for at the contract Lump Sum price, once properly installed and accepted by the Engineer. Once the samples are approved and material is installed, the river stone will be paid for at the contract unit price for Generic Planting Item (1-2" River Stone) and Generic Planting Item (6-12" River Stone). When completed and accepted, the work of furnishing and installing the dry creek bed as shown on the plans and as approved by the Engineer will be paid as separate line items. Such price and payment will be full compensation for all work covered by this special provision; including but not limited to furnishing all labor, materials, and equipment for installation, coordination with engineers and any other incidentals necessary or required to complete the work.

Payment will be made under:

Pay ItemPay UnitGeneric Rest Area Item (Dry Creek Bed Drainage)Lump SumGeneric Planting Item (1 - 2" River Stone)TonGeneric Planting Item (6 - 12" River Stone)Ton

#### **ACCENT LIGHTING:**

#### General:

The work covered by this section consists of lowering existing lighting and furnishing and installing all low voltage lighting, including the seat lighting, tree up-lighting, and one 120v spotlight/floodlight for the existing flagpole at the location shown on the plans and details and as directed by the Engineer.

#### **Materials:**

Lower the existing accent lights at the front entrance sign so that light fixtures are not blocking the sign. Provide and install Low Voltage Lighting System (35 seat lights, 14 up-lights for trees) and 1 outdoor spotlight for the existing flagpole with a 120-volt power supply in conduit. See "Lighting Plan" and "Lighting Specs" for more details on low voltage lighting system. The 120v spotlight/floodlight will have adjustable tilt, glare control, and a die cast aluminum housing with a bronze powder coat finish and a gasket, O-ring sealed tempered glass lens. Provide with 100-watt Metal Halide lamp, mount on aluminum gasket junction box and provide photocell. Submit specifications for all lighting components for approval prior to installation.

# **Installation:**

Follow the manufacturer's recommendations for installation and as required per state building code.

#### **Compensation:**

The work of lowering the existing lights will be paid as a lump sum under *Generic Lighting Item* (*Lower Existing Sign Lighting*). The work of furnishing and installing the low voltage lighting system and 120v spotlight, when completed and accepted, will be paid in a lump sum under *Generic Lighting Item* (*Accent Lighting*).

Such payment will be full compensation for all work covered by this section including, but not limited to, furnishing and installing the spot lights as recommended by the manufacturer and all labor, materials, and equipment necessary to complete the work.

### **SEEDING AND MULCHING:**

#### General:

Repair seeding shall be done on all disturbed areas which do not receive sod. Seeding shall be done within five (5) days of disturbance. Seedbed preparation will be required unless otherwise permitted by the Engineer. A seedbed preparation as extensive as that performed for the original seeding and mulching will not be required. The degree of preparation shall be sufficient to retain the seed against displacement by wind, rain, or surface runoff, and shall be acceptable to the Engineer. The acceptable degree of seedbed preparation will depend on the location, soil conditions, and drainage conditions at the site. As a general rule, the soil shall be scarified or otherwise loosened to a depth of not less than 4 inches, unless approved otherwise by the Engineer. Contractor shall use centipede seed at a rate of ½ pound per 1,000 sq. ft. seedbed. Contractor shall keep seedbed continually moist to insure good germination. Provide seed tag for Engineer's approval.

No fertilizer shall be distributed and no seed shall be sown when the Engineer determines that conditions are unfavorable for such operations. Fertilizer for repair seeding shall be 500 pounds of 10-20-20 analysis per acre. Fertilizer and seed shall be covered and mulch held in place in a manner acceptable to the Engineer. Covering shall be such that it will prevent displacement by wind, rain, or surface runoff except that covering may be eliminated when directed by the Engineer. Mulch shall be grain straw.

# **Compensation:**

Seeding and mulching as described herein and as directed by the Engineer will be paid for at the contract unit price per acre for Seeding and Mulching. Such price and payment will be full compensation for all work covered by this special provision including but not limited to furnishing seed, fertilizer, labor, equipment, and materials necessary to complete the work.

Payment will be made under:

Pay Item Pay Unit

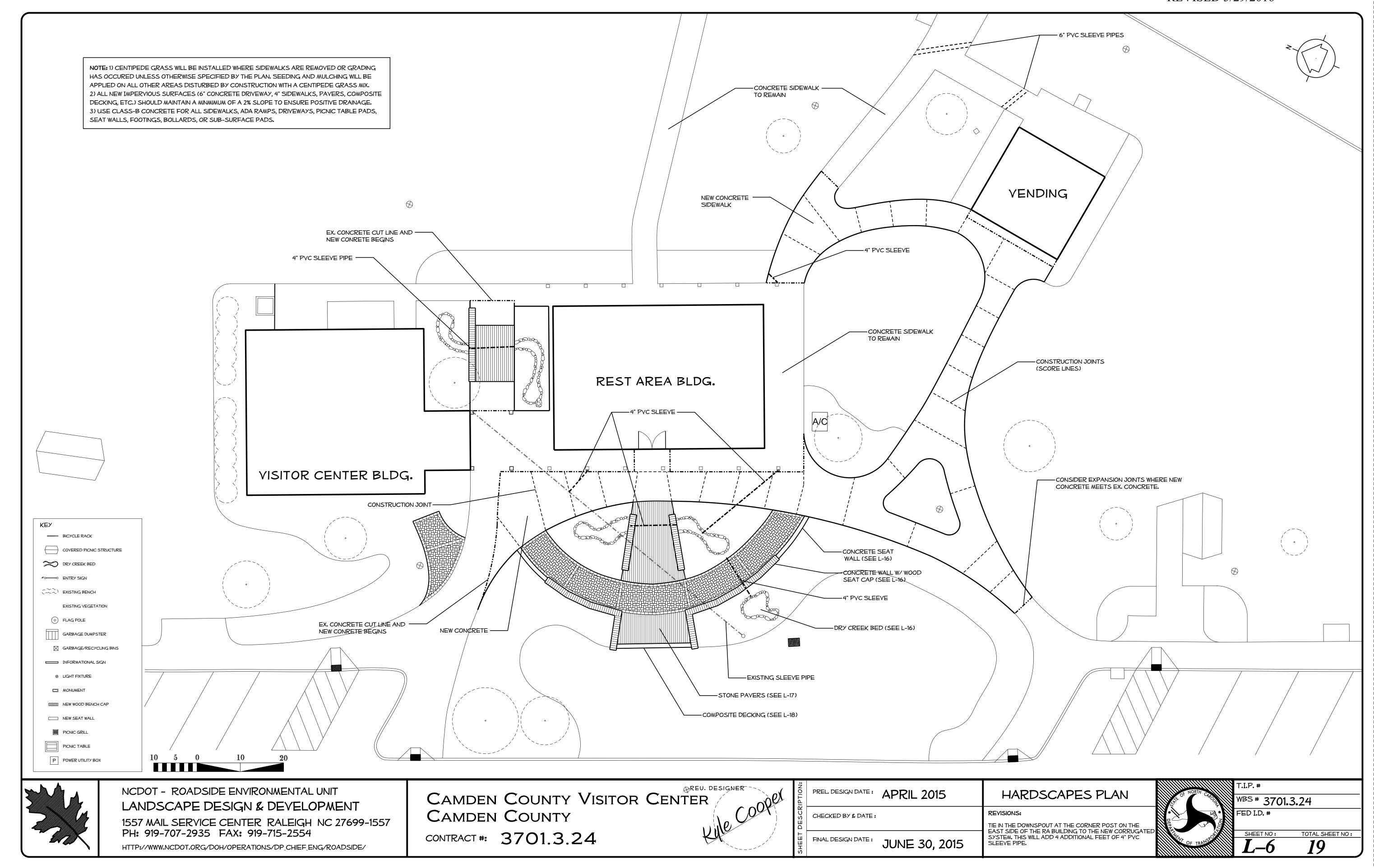
Seeding and Mulching Acre

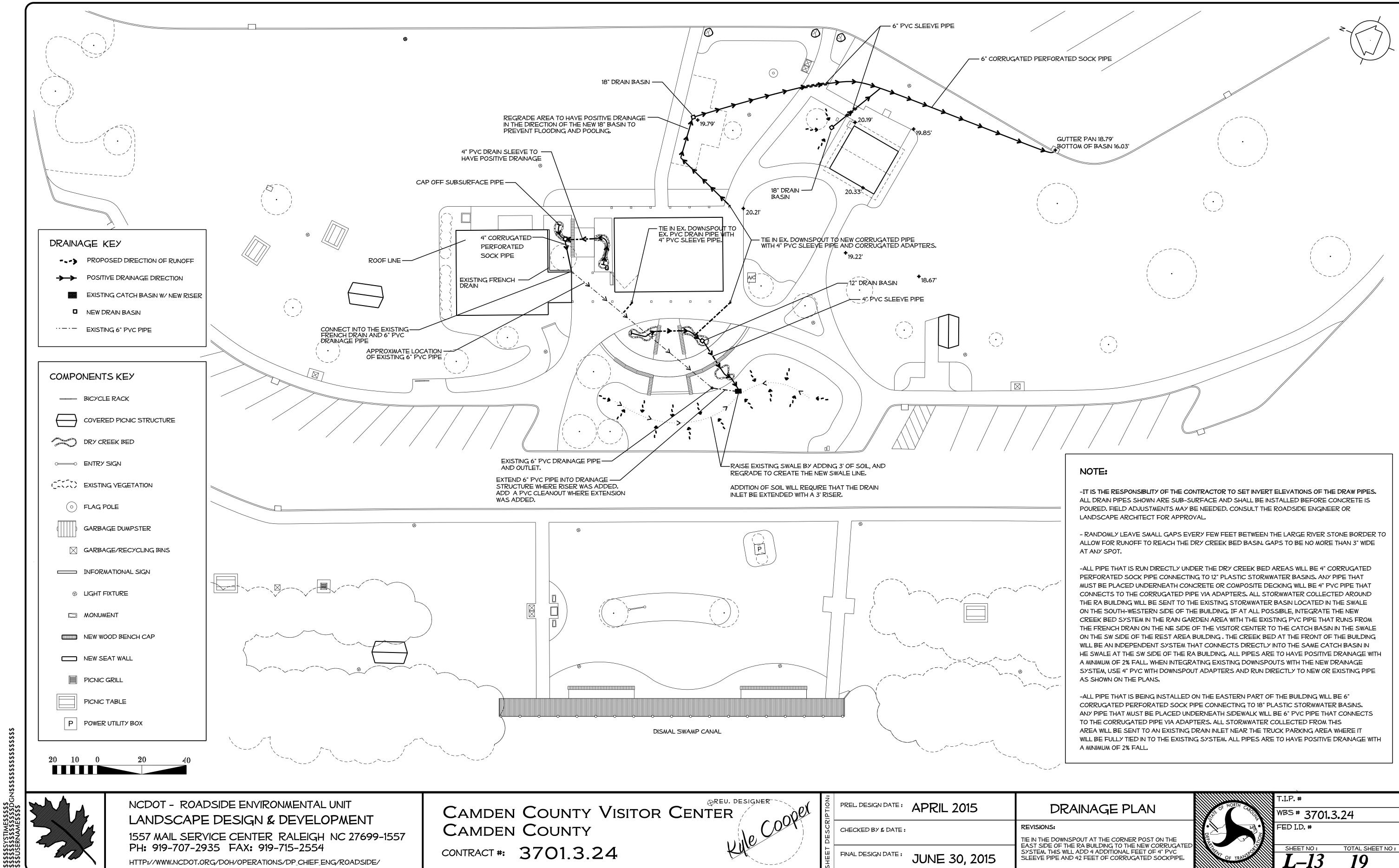
#### **LANDSCAPE BOULDERS:**

#### General:

The work covered by this special provision consists of furnishing, transporting, and placing boulders at the location shown on the plans and as directed by the Engineer.

The contractor will purchase and transport the stones to the rest area site and place as shown on the plans, details, and as directed by the Engineer. The contractor will transport and place stones without causing damage to hardscape surfaces or structures already constructed. The contractor will provide the Engineer with a staging plan for the installation of the stones prior to installing any landscape features. Any damages caused by this operation will be the responsibility of the contractor to repair or replace to the Engineer's satisfaction at no additional compensation. The contractor will take care during loading, moving, and placing the boulders or stones to prevent chipping, cracking or scarring of the boulders' surfaces. Rotate and turn boulder or stone to achieve best position as directed by the plan and Engineer. Minor excavation

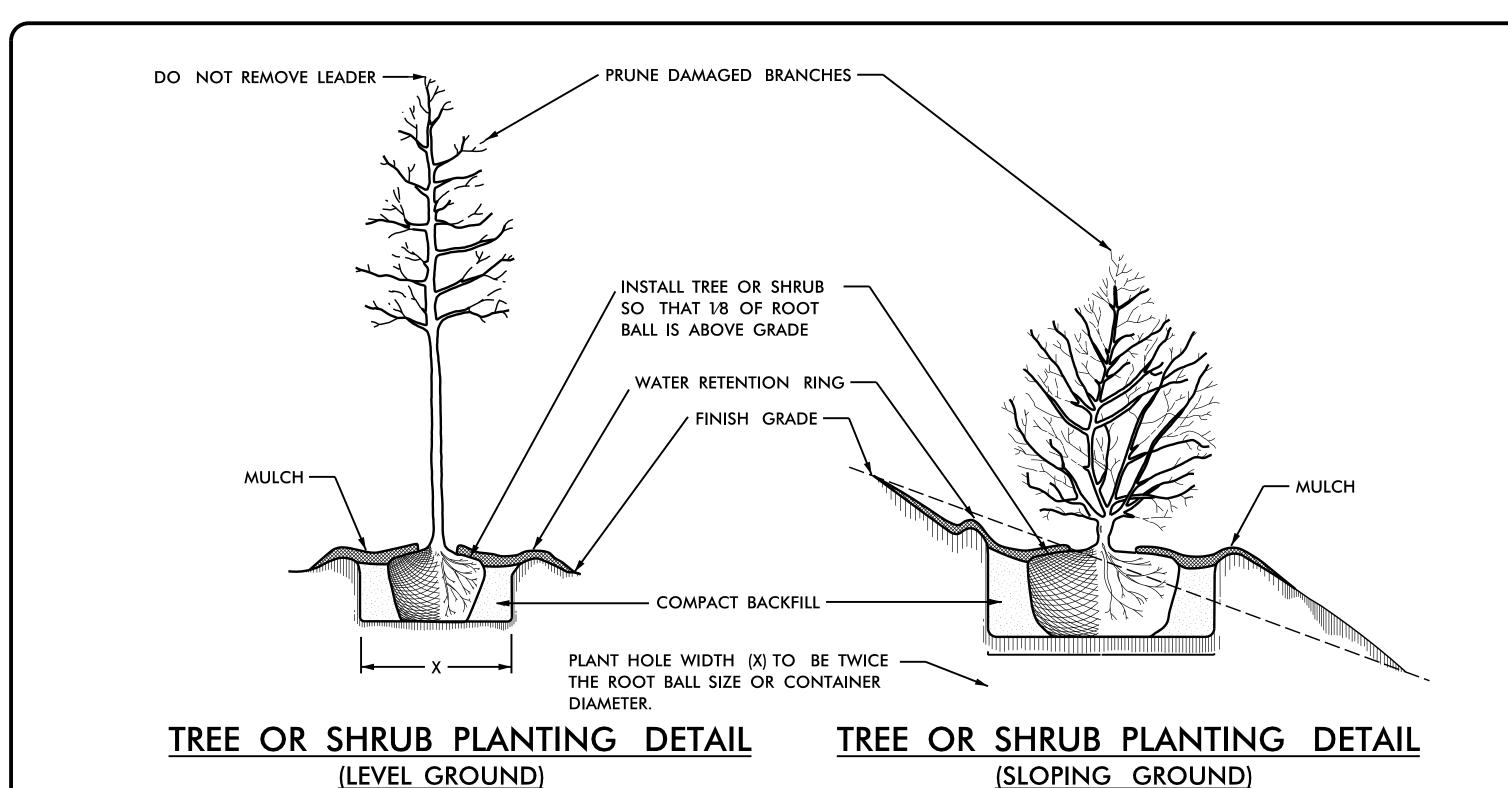




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OF TRUNK OR STEM.

DO NOT PLACE MULCH WITHIN 2"



NOTE: PLANTS MAY BE INSTALLED 4" MULCH — BEFORE OR AFTER MULCHING OPERATION FINISH GRADE -BEFORE PLANTING, SCARIFY SOIL TO MIN. DEPTH OF 6" OR 2" DEEPER THAN CONTAINER SIZE, WHICHEVER IS GREATER. GROUND COVER/BEDDING PLANT DETAIL INSTALL SHRUB SO THAT 1/8 OF ROOT BALL IS ABOVE FINISH GRADE. MULCH - SEE DETAIL -WATER RETENTION RING FINISH GRADE -COMPACT BACKFILL PLANT HOLE WIDTH (X) TO SCARIFY BED TO A MINIMUM DEPTH OF 6". BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.

SHRUB BED PLANTING DETAIL

MULCH DETAIL

# **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.

- LOCATE PLANT MATERIAL BEHIND **GUARDRAIIL** GUARDRAIL AT A DISTANCE EQUAL TO ITS RECOMMENDED SPACING (SEE PLAN), UNLESS OTHERWISE EXTEND MULCH TO FRONT — EDGE OF THE GUARDRAIL DIRECTED BY ENGINEER. OR TO PAVEMENT EDGE OF TRAVELWAY. SPACING SPACING GUARDRAIL MULCHING DETAIL

USE AS DIRECTED BY FIELD ENGINEER

14 GUAGE STEEL WIRE \*EXACT LENGTH RANGE TO BE **GUY TIE DETAIL** DETERMINED BY ENGINEER IN "-----" DN RUBBER HOSE SECTION AND 14 GAUGE WIRE OR FLEXIBLE TIE MATERIAL RUBBER HOSE APPROVED BY ENGINEER. 14 GAUGE STEEL WIRE STRANDS -TWISTED AROUND EACH OTHER UNTIL WIRES ARE TAUT. 1 3/4" x 1 3/4" WOODEN STAKE, — 18-24" LG. STAKE TO BE 4-6" ABOVE GRADE 1 3/4" x 1 3/4" WOODEN STAKE

PLAN VIEW

STAKING DETAIL (TREES 6'-10') USE AS DIRECTED BY FIELD ENGINEER

**GUYING DETAIL** (TREES 10' OR LARGER)

USE AS DIRECTED BY FIELD ENGINEER

PLAN VIEW

SECTION OF RUBBER HOSE OR

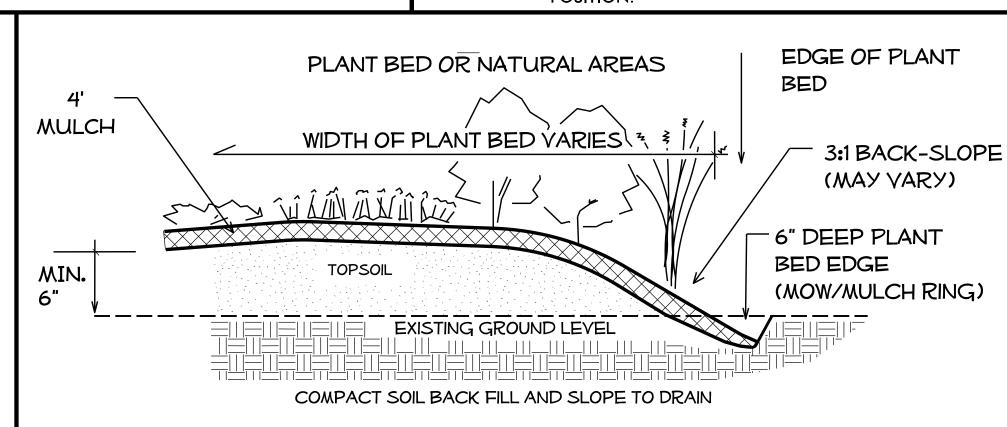
MANUFACTURED TIES BETWEEN

WIRES AND TREE BARK

· 4' MIN. TO 8' MAX. NATURAL WEATHERED STONE.STONE TO BEBURIED 1/3 IN GROUND AND 2/3 EXPOSED. VARIABLE GRADE (LEVEL TO SLOPING)

BOULDER PLACEMENT DETAIL **TYPICAL** 

SCALE: NTS



PLANT BED EDGE DETAIL

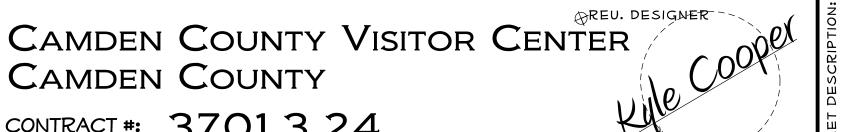
SCALE: NTS

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/

CONTRACT #: 3701.3.24

CAMDEN COUNTY



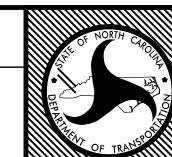
PREL DESIGN DATE: APRIL 2015

CHECKED BY & DATE:

JUNE 30, 2015

PLANTING DETAILS

LANDSCAPE BOULDERS ARE TO BE PROVIDED BY THE CONTRACTOR, NOT NCDOT.



WBS # 3701.3.24 FED I.D. # TOTAL SHEET NO: **L**–15 *19*