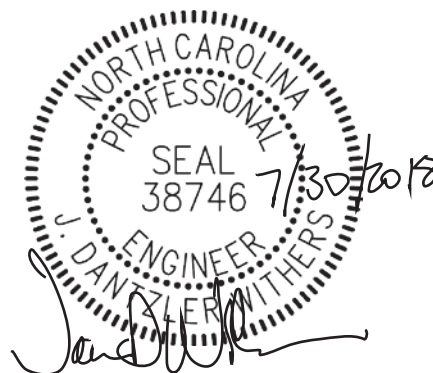


ADDENDUM NO. 1

JULY 30, 2018

**CITY OF HAVELOCK
SLOCUM PARK – PHASE V IMPROVEMENTS
DRAWING NO. W-3775**



A. SCOPE

This Addendum No. 1 consists of pages AD1-1 through AD1-33.

BIDDERS are hereby notified of the following changes in the specifications and/or drawings.

B. SPECIFICATIONS

1. SECTION 00410 – BID

The Bid Schedule has been revised to include an item for undercut of unsuitable materials. A copy of the updated Bid Form is included with this Addendum (see Pages AD1-3 through AD1-10).

Bidders shall submit their Bids on the Bid Form included in this Addendum.

2. SECTION 00430 – BID BOND

A copy of the Bid Bond form is included with this Addendum for the Bidder's convenience (see Pages AD1-11 through AD1-13).

Bidders shall submit the required forms from this Addendum with their Bid.

3. SECTION 00432 – MINORITY BUSINESS FORMS

Copies of the following forms from the specification are included for the Bidder's convenience (see Pages AD1-14 through AD1-16):

Identification of Minority Business Participation (MB-1)
Affidavit A, Listing of Good Faith Efforts (MB-2)
Affidavit B, Intent to Perform Contract with Own Workforce (MB-3)

Bidders shall submit the required forms from this Addendum with their Bid.

4. SECTION 01150 – PAYMENT

Page 01150-2. Add the following paragraph after the paragraph titled "SLOCUM PARK – PHASE V IMPROVEMENTS":

"UNDERCUT AND BACKFILL:

**ADDENDUM NO. 1
JULY 30, 2018
CITY OF HAVELOCK
SLOCUM PARK – PHASE V IMPROVEMENTS
DRAWING NO. W-3775**

“This item shall include undercut, backfill, and compaction of soil beneath pavement subgrade in areas of roadway that do not meet compaction requirements. This item shall only be authorized for payment by Engineer when, in Engineer’s judgment, Contractor is unable to meet compaction requirements using the methods specified. Payment shall be per cubic yard of aggregate base course as measured installed.”

5. SECTION 03315 – PERVIOUS CONCRETE PAVING

Page 03315-3. Strike Paragraph 1.5(C)(3) in its entirety. Personnel shall not be required to be certified by the National Ready Mixed Concrete Association.

6. APPENDIX

The State Stormwater Management Permit and Erosion and Sedimentation Control Plan Approval are attached (see Pages AD1-17 through AD1-30). These permits are a part of the Contract Documents and Contractor shall abide by the provisions therein.

C. **DRAWINGS**

1. SHEETS C1, C3, AND C4

Sheets C1, C3, and C4 have been revised. The updated sheets, revised July 30, 2018 are shall replace the originally issued sheets in the Contract Documents. The grading plan has been updated to better reflect existing grades that Contractor will encounter when project begins. Project limits and erosion control have also been revised accordingly.

A note on Sheet C3 has also been revised to better indicate the condition of tree stumps that Contractor will be expected to remove from the site.

D. **GENERAL**

Attached is a copy of a memorandum (pages AD1-31 through AD1-33) documenting the minutes of the Pre-Bid Conference held on Thursday, July 19, 2018. This memorandum is not a part of this Addendum No. 1 or the Contract Documents. It is provided for information only. All revisions are included elsewhere in this or subsequent addenda.

This Addendum No. 1 is submitted this 30th day of July, 2018. Each BIDDER is requested to acknowledge receipt of this Addendum in the space provided in the Bid Form.

RIVERS & ASSOCIATES, INC.
107 East Second Street
Greenville, North Carolina 27858

BID FORM

City of Havelock

Slocum Park – Phase V Improvements

TABLE OF CONTENTS

Article 1 – Bid Recipient
Article 2 – Bidder’s Acknowledgements
Article 3 – Bidder’s Representations
Article 4 – Bidder’s Certification
Article 5 – Basis of Bid
Article 6 – Time of Completion
Article 7 – Attachments to this Bid
Article 8 – Defined Terms
Article 9 – Bid Submittal

ARTICLE 1 – BID RECIPIENT

- 1.01 This Bid is submitted to:
City of Havelock
1 Governmental Avenue, Havelock, NC 28532
PO Box 368, Havelock, NC 28532
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

- 2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

- 3.01 In submitting this Bid, Bidder represents that:
- A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

- B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if

any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;

3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

- 5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s) **on the Bid Schedule**:
- A. All specified cash allowances are included in the price(s) set forth in the Bid Schedule and have been computed in accordance with Paragraph 13.02 of the General Conditions.**
 - B. Unit Prices have been computed in accordance with Paragraph 13.03 of the General Conditions.**
 - C. Bidder acknowledges that each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor’s overhead and profit for each separately identified item.**
 - D. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.**

BID SCHEDULE					
<u>Item</u>	<u>Qty.</u>	<u>Unit</u>	<u>Description</u>	<u>Unit Cost</u>	<u>Cost</u>
BASE BID ITEMS:					
1.	1	LS	Mobilization and Bonding (not to exceed 3% of Bid)		\$ _____
2.	1	LS	Slocum Park - Phase V Improvements		\$ _____
3.	10	CY	Undercut and Backfill	\$ _____	\$ _____
4.	1	LS	Testing Allowance		\$ 2,500.00
TOTAL BASE BID					\$ _____

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages **in the event of failure to complete the Work within the Contract Times.**
- 6.03 **Refer to the Agreement for Milestones that must be met and liquidated damages in the event of failure to complete the Work within the Contract Times for the Milestones.**

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid. **Failure to provide the documentation with the Bid may be grounds for rejection of the Bid.**
- A. Required Bid security;
 - B. Contractor's License No.: _____ or Evidence of Bidder's ability to obtain a State Contractor's License and a covenant by Bidder to obtain said license within the time for acceptance of Bids;
 - C. **All required MBE documentation:**

In accordance with GS 143-128.2(c), Bidder shall identify on its bid the minority businesses that it will use on the project and the total dollar value of the bid that will be performed by the minority businesses.

Bidder shall list the good faith efforts made to solicit participation in Affidavit A.

A Bidder that will perform all of the work with its own workforce may submit an Affidavit B to that effect in lieu of the Affidavit A required above.

 - 1. Identification of Minority Business Participation (MB-1)
 - 2. Affidavit A, Listing of Good Faith Efforts (MB-2)
 - 3. Affidavit B, Intent to Perform Contract with Own Workforce (MB-3)
- 7.03 After the bid opening the Owner will consider all bids and alternates and determine the lowest responsible, responsive Bidder. Upon notification of being the apparent low Bidder, the Bidder shall then file within 72 hours of the notification of being the apparent lowest Bidder, the following:
- A. Affidavit C (MB-4) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the goal established by the Owner and indicated in the Minority Business Guidelines, paragraph Minority Business Subcontract Goals. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort; or
 - B. Affidavit D (MB-5) of its good faith effort to meet the goal. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

- 7.04 After the Bid opening, the Bidder will supply the information for Qualification of Bidders, as required in Article 3 of the Instructions to Bidders, within 5 days of the Owner's request.

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

Bid Schedule – The Bid Schedule includes the Bidder's prices and is part of Article 5 – Basis of Bid in the Bid Form.

ARTICLE 9 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

By:

[Signature]

[Printed name]

(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:

[Signature]

[Printed name]

Title:

Submittal Date:

Address for giving notices:

Telephone Number:

Fax Number:

Contact Name and e-mail address:

Contractor's License

Number:

Contractor's

Classification:

Contractor's Limitation:

Employer's Tax ID No.:



BID BOND

Any singular reference to Bidder, Surety, Owner or other party shall be considered plural where applicable.

BIDDER (*Name and Address*):

SURETY (*Name, and Address of Principal Place of Business*):

OWNER (*Name and Address*):

BID

Bid Due Date:

Description (*Project Name— Include Location*):

BOND

Bond Number:

Date:

Penal sum _____ \$ _____
(Words) (Figures)

Surety and Bidder, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.

BIDDER

SURETY

(Seal)

Bidder's Name and Corporate Seal

(Seal)

Surety's Name and Corporate Seal

By:

Signature

By:

Signature (Attach Power of Attorney)

Print Name

Print Name

Title

Title

Attest:

Signature

Attest:

Signature

Title

Title



Note: Addresses are to be used for giving any required notice.

Provide execution by any additional parties, such as joint venturers, if necessary.

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond shall be Owner's sole and exclusive remedy upon default of Bidder.
2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.
3. This obligation shall be null and void if:
 - 3.1 Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or
 - 3.2 All Bids are rejected by Owner, or
 - 3.3 Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).
4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.
6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety and in no case later than one year after the Bid due date.
7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.
8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.
9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.



10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.

11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

Attach to Bid Attach to Bid Attach to Bid Attach to Bid Attach to Bid Attach to Bid Attach to Bid Attach to Bid

Identification of Minority Business Participation

I, _____
(Name of Bidder)

do hereby certify that on this project, we will use the following minority business enterprises as construction subcontractors, vendors, suppliers or providers of professional services.

[illegible]

*Minority categories: Black, African American (**B**), Hispanic (**H**), Asian American (**A**) American Indian (**I**), Female (**F**) Socially and Economically Disadvantaged (**D**)

The total value of minority business contracting will be (\$)_____.

State of North Carolina AFFIDAVIT A – Listing of Good Faith Efforts

County of _____

(Name of Bidder)

Affidavit of _____

I have made a good faith effort to comply under the following areas checked:

Bidders must earn at least 50 points from the good faith efforts listed for their bid to be considered responsive. (1 NC Administrative Code 30 I.0101)

- ☐ **1 – (10 pts)** Contacted minority businesses that reasonably could have been expected to submit a quote and that were known to the contractor, or available on State or local government maintained lists, at least 10 days before the bid date and notified them of the nature and scope of the work to be performed.
- ☐ **2 --(10 pts)** Made the construction plans, specifications and requirements available for review by prospective minority businesses, or providing these documents to them at least 10 days before the bids are due.
- ☐ **3 – (15 pts)** Broken down or combined elements of work into economically feasible units to facilitate minority participation.
- ☐ **4 – (10 pts)** Worked with minority trade, community, or contractor organizations identified by the Office of Historically Underutilized Businesses and included in the bid documents that provide assistance in recruitment of minority businesses.
- ☐ **5 – (10 pts)** Attended prebid meetings scheduled by the public owner.
- ☐ **6 – (20 pts)** Provided assistance in getting required bonding or insurance or provided alternatives to bonding or insurance for subcontractors.
- ☐ **7 – (15 pts)** Negotiated in good faith with interested minority businesses and did not reject them as unqualified without sound reasons based on their capabilities. Any rejection of a minority business based on lack of qualification should have the reasons documented in writing.
- ☐ **8 – (25 pts)** Provided assistance to an otherwise qualified minority business in need of equipment, loan capital, lines of credit, or joint pay agreements to secure loans, supplies, or letters of credit, including waiving credit that is ordinarily required. Assisted minority businesses in obtaining the same unit pricing with the bidder's suppliers in order to help minority businesses in establishing credit.
- ☐ **9 – (20 pts)** Negotiated joint venture and partnership arrangements with minority businesses in order to increase opportunities for minority business participation on a public construction or repair project when possible.
- ☐ **10 - (20 pts)** Provided quick pay agreements and policies to enable minority contractors and suppliers to meet cash-flow demands.

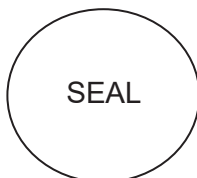
The undersigned, if apparent low bidder, will enter into a formal agreement with the firms listed in the Identification of Minority Business Participation schedule conditional upon scope of contract to be executed with the Owner. Substitution of contractors must be in accordance with GS143-128.2(d) Failure to abide by this statutory provision will constitute a breach of the contract.

The undersigned hereby certifies that he or she has read the terms of the minority business commitment and is authorized to bind the bidder to the commitment herein set forth.

Date: _____ Name of Authorized Officer: _____

Signature: _____

Title: _____



State of North Carolina, County of _____

Subscribed and sworn to before me this _____ day of _____ 20____

Notary Public _____

My commission expires _____

Attach to Bid Attach to Bid Attach to Bid Attach to Bid Attach to Bid Attach to Bid Attach to Bid Attach to Bid

**State of North Carolina --AFFIDAVIT B-- Intent to Perform Contract
with Own Workforce.**

County of _____

Affidavit of _____
(Name of Bidder)

I hereby certify that it is our intent to perform 100% of the work required for the _____
_____ contract.
(Name of Project)

In making this certification, the Bidder states that the Bidder does not customarily subcontract elements of this type project, and normally performs and has the capability to perform and will perform all elements of the work on this project with his/her own current work forces; and

The Bidder agrees to provide any additional information or documentation requested by the owner in support of the above statement.

The undersigned hereby certifies that he or she has read this certification and is authorized to bind the Bidder to the commitments herein contained.

Date: _____ Name of Authorized Officer: _____

Signature: _____

Title: _____



State of North Carolina, County of _____

Subscribed and sworn to before me this _____ day of _____ 20____

Notary Public _____

My commission expires _____



Energy, Mineral &
Land Resources
ENVIRONMENTAL QUALITY

ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

WILLIAM E. (TOBY) VINSON, JR.
Interim Director

July 19, 2018

Mr. Frank Bottorff, Manager
City of Havelock
P.O. Drawer 368
Havelock, NC 28532

**Subject: Permit No. SW7150204 MOD
Slocum Creek Park Phase V Improvements
Low Density Stormwater Project
Craven County**

Dear Mr. Bottorff:

The Washington Regional Office received a complete Stormwater Management Permit Application for the proposed Phase V improvements to Slocum Creek Park on June 22, 2018. Staff review of the plans and specifications has determined that the project, as proposed, will comply with the Stormwater Regulations set forth in Title 15A NCAC 2H.1000. We are forwarding Permit No. SW7150204 dated July 19, 2018, for the construction of the subject project.

This permit shall be effective from the date of issuance until rescinded and shall be subject to the conditions and limitations as specified therein, and does not supercede any other agency permit that may be required.

If any parts, requirements, or limitations contained in this permit are unacceptable, you have the right to request an adjudicatory hearing upon written request within thirty (30) days following receipt of this permit. This request must be in the form of a written petition, conforming to Chapter 150B of the North Carolina General Statutes, and filed with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. Unless such demands are made this permit shall be final and binding.

If you have any questions, or need additional information concerning this matter, please contact me at (252) 948-3923.

Sincerely,


Roger K. Thorpe
Environmental Engineer

cc: Rivers and Associates –Greenville, NC

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES
STORMWATER MANAGEMENT PERMIT
LOW DENSITY DEVELOPMENT

In accordance with the provisions of Article 21 of Chapter 143, General Statutes of North Carolina as amended, and other applicable Laws, Rules and Regulations

PERMISSION IS HEREBY GRANTED TO

The City of Havelock
Slocum Creek Park, Phase I, II, IV & V
Located at 120 Church Road, Havelock, NC
Craven County
FOR THE

construction, operation and maintenance of a low-density development including permeable pavement and grassed swales in compliance with the provisions of 15A NCAC 2H .1000 (hereafter referred to as the "stormwater rules") and the approved stormwater management plans and specifications, and other supporting data as attached and on file with and approved by the Division of Energy, Mineral, and Land Resources (DEMLR) and considered a part of this permit.

The Permit replaces all previous permits issued for this site and shall be effective from the date of issuance until rescinded and shall be subject to the following specific conditions and limitations:

I. DESIGN STANDARDS

1. This permit covers the construction of phases I, II, IV & V of this park on this 2.59 acre site.
2. The overall tract built-upon area percentage for the project must be maintained at no more than 24%, as required by Section 2H .1005 of the stormwater rules.
3. Approved plans and specifications for projects covered by this permit are incorporated by reference and are enforceable parts of the permit and shall be kept on file by the permittee at all times.
4. The only runoff conveyance systems allowed will be vegetated conveyances such as swales with minimum side slopes of 3:1 (H:V) as defined in the stormwater rules and approved by the Division.

5. No piping is allowed except that minimum amount necessary to direct runoff beneath an impervious surface such as a road or to provide access.
6. The built-upon areas associated with this project shall be located at least 50 feet landward of all perennial and intermittent streams or other surface waters.
7. Roof drains must terminate at least 50 foot from the Mean High Water line.
8. No direct discharges to class SA or SR Waters are allowed. Diffuse flow of stormwater at a non-erosive velocity to a vegetated buffer or other natural area capable of providing effective infiltration of the runoff from the 1 year 24-hour storm shall not be considered a direct point of stormwater discharge.

II. SCHEDULE OF COMPLIANCE

1. The permittee is responsible for verifying that the proposed built-upon area does not exceed the allowable built-upon area.
2. The Director may notify the permittee when the permitted site does not meet one or more of the minimum requirements of the permit. Within the time frame specified in the notice, the permittee shall submit a written time schedule to the Director for modifying the site to meet minimum requirements. The permittee shall provide copies of revised plans and certification in writing to the Director that the changes have been made.
3. This project may not be sold or subdivided in whole or in part without first receiving a permit modification from the Division.
4. Prior to the subdivision and/or sale of this project, in whole or in part, the following deed restrictions must be recorded with the Office of the Register of Deeds:
 - a. The following covenants are intended to ensure ongoing compliance with State Stormwater Management Permit Number SW7150204, as issued by the Division under NCAC 2H.1000.
 - b. The State of North Carolina is made a beneficiary of these covenants to the extent necessary to maintain compliance with the Stormwater Management Permit.
 - c. These covenants are to run with the land and be binding on all persons and parties claiming under them.
 - d. The covenants pertaining to stormwater may not be altered or rescinded without the express written consent of the State of North Carolina, Division of Energy, Mineral, and Land Resources.
 - e. Alteration of the drainage as shown on the approved plans may not take place without the concurrence of the Division.

- f. This project is permitted for a maximum of 24% of built-upon area. Construction of additional built-upon area in excess of this amount will require a permit modification.
 - g. This project may not be sold or subdivided, in whole or in part, without first receiving a permit modification from the Division.
 - h. Construction of additional impervious areas such that low-density requirements are no longer met will require a permit modification prior to construction. An engineered system will be required to collect and treat the runoff from all built-upon area associated with the project, including that area permitted under the low density option.
 - i. Filling in or piping of any vegetative conveyances (ditches, swales, etc.) associated with this development, except for average driveway crossings, is strictly prohibited by any persons.
 - j. The built-upon areas shall be located a minimum of 50 feet landward of all perennial and intermittent surface waters.
5. A copy of the recorded restrictions must be received in this Office within 30 days of the date of sale.
6. Filling in or piping of any vegetative conveyances (ditches, swales, etc.) associated with the permitted development, except for average driveway crossings, is strictly prohibited by any persons.
7. Projects within DCM's Area of Environmental Concern (AEC) are subject to a reduction of the permitted amount of built-upon area due to CAMA jurisdiction within the AEC. The more restrictive of the two numbers shall be considered the maximum BUA.
8. The permittee shall submit to the Director and shall have received approval for revised plans, specifications, and calculations prior to construction, for any modification to the approved plans, including, but not limited to, those listed below:
- a. Any revision to the approved plans, regardless of size.
 - b. Project name change.
 - c. Transfer of ownership.
 - d. Redesign or addition to the approved amount of built-upon area.
 - e. Further subdivision, acquisition, or sale of the project area in whole or in part. The project area is defined as all property owned by the permittee, for which Sedimentation and Erosion Control Plan approval was sought.
 - f. Filling in, altering or piping any vegetative conveyance shown on the approved plan.
-
9. Swales and other vegetated conveyances shall be constructed in their entirety, vegetated, and be operational for their intended use prior to the construction of any built-upon surface.

10. During construction, erosion shall be kept to a minimum and any eroded areas of the swales or other vegetated conveyances will be repaired immediately.
11. The permittee shall at all times provide the operation and maintenance necessary to operate the permitted stormwater management systems at optimum efficiency to include:
 - a. Inspections
 - b. Sediment removal.
 - c. Mowing, and re-vegetating of the side slopes.
 - d. Immediate repair of eroded areas.
 - e. Maintenance of side slopes in accordance with approved plans and specifications.
12. Within 30 days of completion of the project, the permittee shall certify in writing that the project has been constructed in accordance with the approved plans.
13. The permittee shall submit all information requested by the Director or his representative within the time frame specified in the written information request.

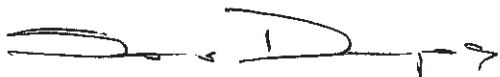
III. GENERAL CONDITIONS

1. This permit is not transferable to any person or entity except after notice to and approval by the Director. The Director may require modification or revocation and re-issuance of the permit to change the name and incorporate such other requirements as may be necessary. In the event of a name or ownership change, a completed Name/Ownership Change form, signed by both parties, must be submitted to the Division accompanied by the supporting documentation as listed on page 2 of the form. The approval of this request will be considered on its merits, and may or may not be approved.
 2. The permittee is responsible for compliance with all permit conditions until the Director approves a transfer of ownership. Neither the sale of the project nor the transfer of common areas to a third party, such as a homeowner's association, constitutes an approved transfer of the stormwater permit.
 3. Failure to abide by the conditions and limitations contained in this permit may subject the Permittee to an enforcement action by the Division, in accordance with North Carolina General Statutes 143-215.6A to 143-215.6C.
 4. The issuance of this permit does not prohibit the Director from reopening and modifying the permit, revoking and reissuing the permit, or terminating the permit as allowed by the laws, rules, and regulations contained in Session Law 2008-211 and Title 15A NCAC 2H.1000 of the North Carolina Administrative Code, Subchapter 2H.1000; and North Carolina General Statute 143-215.1 et. al.
-
5. In the event that the facilities fail to perform satisfactorily, including the creation of nuisance conditions, the Permittee shall take immediate corrective action, including those as may be required by the Division, such as the construction of additional or replacement stormwater management systems.

6. The permittee grants permission to DEQ Staff to enter the property during normal business hours, for the purpose of inspecting all components of the stormwater management facility.
7. The permit issued shall continue in force and effect until revoked or terminated. The permit may be modified, revoked and reissued or terminated for cause. The filing of a request for a permit modification, revocation and re-issuance, or termination does not stay any permit condition.
8. Unless specified elsewhere, permanent seeding requirements for the swales must follow the guidelines established in the North Carolina Erosion and Sediment Control Planning and Design Manual.
9. Approved plans and specifications for this project are incorporated by reference and are enforceable parts of the permit.
10. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances, which may be imposed by other government agencies (local, state and federal), which have jurisdiction.
11. The permittee shall notify the Division in writing of any name, ownership or mailing address changes at least 30 days prior to making such changes.

Permit issued this the 19 th day of July 2018.

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION



----- For
William E. (Toby) Vinson, Jr., Interim Director
Division of Energy, Mineral, and Land Resources
By Authority of the Environmental Management Commission

Permit No. SW7150204



RECEIVED JUN 28 2018 2018018-D
ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

WILLIAM E. (TOBY) VINSON, JR.
Interim Director

June 26, 2018

**LETTER OF APPROVAL
WITH MODIFICATIONS AND PERFORMANCE RESERVATIONS**

City of Havelock
Attn: Mr. Frank Bottorff, City Manager
Post Office Drawer 368
Havelock, North Carolina 28532

RE: Erosion and Sedimentation Control Plan No. Crave-2018-008
Project Name: Slocum Creek Park – Phase IV & V Improvements
Location: Church Street County: Craven
River Basin: Neuse
Date Received by LQS: June 13, 2018
Acres Approved: 2 Project Type: Revised
Project Description: Grading associated with additional park improvements, as shown on the revised plan received by this office on June 13, 2018.

Dear Sir:

This office has reviewed the subject erosion and sedimentation control plan. We find the plan to be acceptable and hereby issue this Letter of Approval. (NOTE: Attached is a list of modifications and performance reservations for conducting this land disturbing activity) This plan approval shall expire three (3) years following the date of approval, if no land-disturbing activity has been undertaken, as required by 15A NCAC 4B.0129, unless modified by other legislation.

Please be advised that 15A NCAC 4B.0118(a) requires that a copy of the approved erosion and sedimentation control plan be on file at the job site. Also, you should consider this letter as giving the Notice required by G.S. 113A-61.1(a) of our right of periodic inspection to ensure compliance with the approved plan.

North Carolina's Sedimentation Pollution Control Program is performance oriented, requiring protection of existing natural resources and adjoining properties through the use of reasonable and appropriate Best Management Practices throughout the course of the project. If, following the commencement of this project, it is determined that the erosion and sedimentation control plan is inadequate to meet the requirements of the Sedimentation Pollution Control Act of 1973 (G.S. 113A-51 through 66), this office may require revisions to the plan and implementation of the revisions to ensure compliance with the Act.

City of Havelock
Attn: Mr. Frank Bottorff, City Manager
June 26, 2018
Page 2

Acceptance and approval of this plan is conditioned upon your compliance with Federal and State water quality laws, regulations and rules. In addition, local city or county ordinances or rules may also apply to this land-disturbing activity. This approval does not supersede any other permit or approval.

Please note that this approval is based in part on the accuracy of the information provided in the Financial Responsibility/Ownership Form, which you have submitted. You are required to file an amended form if there is any change in the information included on the form. NOTE: Neither this approval nor the financial responsibility/liability cited in it automatically transfer with a change in project ownership. In addition, 15A NCAC 4B.0127(c) requires that you notify this office of the proposed starting date for this project (using the enclosed Project Information Sheet). Please notify us if you plan to have a preconstruction conference.

Please be advised that a rule to protect and maintain existing buffers along watercourses in the Neuse River Basin became effective on July 22, 1997. The Neuse River Riparian Area Protection and Maintenance Rule (15A NCAC 2B.0233) applies to the 50-foot wide zone directly adjacent to surface waters (intermittent streams, perennial streams, lakes, ponds, and estuaries) in the Neuse River Basin. For more information about this riparian area rule, please contact the Division of Water Resources Wetland/401 Unit at 919-807-6300, or DWR in our regional office at 252-946-6481.

Please be advised that all land-disturbing activities affecting 1 or more acres are required to have a (Federal) NPDES permit. The original letter of approval was accompanied by the Construction Activities General NPDES Permit - NCG010000 for this project. The responsibility for understanding and complying with this permit rests with you, the financially responsible party.

Sincerely,



Richard Peed, CPESC
Regional Engineering Associate

Enclosures

cc w/o enc: J. Dantzer Withers, PE, Rivers & Associates, Inc.
WaRO Surface Water Operation Section Supervisor, Division of Water Resources

1. The developer is responsible for the control of sediment on-site. If the approved erosion and sedimentation control measures prove insufficient, the developer must take those additional steps necessary to stop sediment from leaving this site (NCGS 113A-57(3)). Each sediment storage device must be inspected after each storm event (NCGS 113A-54.1(e)). Maintenance and/or clean out is necessary anytime the device is at 50% capacity. All sediment storage measures will remain on site and functional until all grading and final landscaping of the project is complete (15A NCAC 04B .0113).
2. All existing ditches on this project site are assumed to be left undisturbed by the proposed development unless otherwise noted. The removal of vegetation within any existing ditch or channel is prohibited unless the ditch or channel is to be regarded with side slopes of 2 horizontal to 1 vertical or less steep (15A NCAC 04B .0124 (d)). Bank slopes may be mowed, but stripping of vegetation is considered new earth work and is subject to the same erosion control requirements as new ditches (NCGS 113A-52(6)).
3. The developer is responsible for obtaining all permits and approvals necessary for the development of this project prior to the commencement of this land disturbing activity. This could include our agency's Stormwater regulations and the Division of Water Resources' enforcement requirements within Section 401 of the Clean Water Act, the U.S. Army Corps of Engineers' jurisdiction of Section 404 of the Clean Water Act, the Division of Coastal Management's CAMA requirements, the Division of Solid Waste Management's landfill regulations, the Environmental Protection Agency and/or The U.S. Army Corps of Engineers jurisdiction of the Clean Water Act, local County or Municipalities' ordinances, or others that may be required. This approval cannot supersede any other permit or approval.
4. Adequate and appropriate measures must be properly installed downstream, within the limits of disturbance, of any land disturbing activity to prevent sediment from leaving the limits of disturbance, entering existing drainage systems, impacting an on-site natural watercourse or adjoining property. (NCGS 113A-57)



RECEIVED OCT 09 2017

ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

TRACY DAVIS
Director

October 4, 2017

**LETTER OF APPROVAL
WITH MODIFICATIONS AND PERFORMANCE RESERVATIONS**

City of Havelock
Attn: Mr. Frank Bottorff, City Manager
Post Office Drawer 368
Havelock, North Carolina 28532

RE: Erosion and Sedimentation Control Plan No. Crave-2018-008
Project Name: Slocum Creek Park – Phase IV Improvements
Location: Church Street County: Craven
River Basin: Neuse
Date Received by LQS: September 7, 2017
Acres Approved: 2 Project Type: New
Project Description: Grading associated with the park improvements, as shown on the plans received by this office on September 7, 2017.

Dear Sir:

This office has reviewed the subject erosion and sedimentation control plan. We find the plan to be acceptable and hereby issue this Letter of Approval. (NOTE: Attached is a list of modifications and performance reservations for conducting this land disturbing activity) This plan approval shall expire three (3) years following the date of approval, if no land-disturbing activity has been undertaken, as required by 15A NCAC 4B.0129, unless modified by other legislation.

Please be advised that 15A NCAC 4B.0118(a) requires that a copy of the approved erosion and sedimentation control plan be on file at the job site. Also, you should consider this letter as giving the Notice required by G.S. 113A-61.1(a) of our right of periodic inspection to ensure compliance with the approved plan.

North Carolina's Sedimentation Pollution Control Program is performance oriented, requiring protection of existing natural resources and adjoining properties through the use of reasonable and appropriate Best Management Practices throughout the course of the project. If, following the commencement of this project, it is determined that the erosion and sedimentation control plan is inadequate to meet the requirements of the Sedimentation Pollution Control Act of 1973 (G.S. 113A-51 through 66), this office may require revisions to the plan and implementation of the revisions to ensure compliance with the Act.

 Nothing Compares

City of Havelock
Attn: Mr. Frank Bottorff, City Manager
October 4, 2017
Page 2

Acceptance and approval of this plan is conditioned upon your compliance with Federal and State water quality laws, regulations and rules. In addition, local city or county ordinances or rules may also apply to this land-disturbing activity. This approval does not supersede any other permit or approval.

Please note that this approval is based in part on the accuracy of the information provided in the Financial Responsibility/Ownership Form, which you have submitted. You are required to file an amended form if there is any change in the information included on the form. NOTE: Neither this approval nor the financial responsibility/liability cited in it automatically transfer with a change in project ownership. In addition, 15A NCAC 4B.0127(c) requires that you notify this office of the proposed starting date for this project (using the enclosed Project Information Sheet). Please notify us if you plan to have a preconstruction conference.

Please be advised that a rule to protect and maintain existing buffers along watercourses in the Neuse River Basin became effective on July 22, 1997. The Neuse River Riparian Area Protection and Maintenance Rule (15A NCAC 2B.0233) applies to the 50-foot wide zone directly adjacent to surface waters (intermittent streams, perennial streams, lakes, ponds, and estuaries) in the Neuse River Basin. For more information about this riparian area rule, please contact the Division of Water Resources Wetland/401 Unit at 919-807-6300, or DWR in our regional office at 252-946-6481.

Please be aware that your project will be covered by the enclosed NPDES General Stormwater Permit NCG010000 (Construction Activities). You should first become familiar with all of the requirements for compliance with the enclosed permit.

Sincerely,



Richard Peed, CPESC
Regional Engineering Associate

Enclosures

cc w/o enc:  J. Dantzler Withers, PE, Rivers & Associates, Inc.
WaRO Surface Water Operation Section Supervisor, Division of Water Resources

1. The developer is responsible for the control of sediment on-site. If the approved erosion and sedimentation control measures prove insufficient, the developer must take those additional steps necessary to stop sediment from leaving this site (NCGS 113A-57(3)). Each sediment storage device must be inspected after each storm event (NCGS 113A-54.1(e)). Maintenance and/or clean out is necessary anytime the device is at 50% capacity. All sediment storage measures will remain on site and functional until all grading and final landscaping of the project is complete (15A NCAC 04B .0113).
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3. The developer is responsible for obtaining all permits and approvals necessary for the development of this project prior to the commencement of this land disturbing activity. This could include our agency's Stormwater regulations and the Division of Water Resources' enforcement requirements within Section 401 of the Clean Water Act, the U.S. Army Corps of Engineers' jurisdiction of Section 404 of the Clean Water Act, the Division of Coastal Management's CAMA requirements, the Division of Solid Waste Management's landfill regulations, the Environmental Protection Agency and/or The U.S. Army Corps of Engineers jurisdiction of the Clean Water Act, local County or Municipalities' ordinances, or others that may be required. This approval cannot supersede any other permit or approval.
4. Adequate and appropriate measures must be properly installed downstream, within the limits of disturbance, of any land disturbing activity to prevent sediment from leaving the limits of disturbance, entering existing drainage systems, impacting an on-site natural watercourse or adjoining property. (NCGS 113A-57)

PROJECT INFORMATION SHEET

APPROVAL DATE: October 4, 2017

RESPONSIBLE PARTY: City of Havelock

PROJECT NAME: Slocum Creek Park – Phase IV Improvements

COUNTY: Craven NO.: Crave-2018-008

OFF-SITE BORROW
AND/OR DISPOSAL SITE: _____ NO.: _____

START-UP DATE: _____

CONTRACTOR: _____

ON-SITE CONTACT: _____

ON-SITE PHONE NO.: _____

OFFICE PHONE NO.: _____

**COMPLETE & RETURN THIS FORM
PRIOR TO THE START OF CONSTRUCTION TO:**

**N.C.D.E.N.R.
LAND QUALITY SECTION
ATTN: *Gary Novak*
943 WASHINGTON SQUARE MALL
WASHINGTON, NORTH CAROLINA 27889**

CERTIFICATE OF PLAN APPROVAL



The posting of this certificate certifies that an erosion and sedimentation control plan has been approved for this project by the North Carolina Department of Environmental Quality in accordance with North Carolina General Statute 113A - 57 (4) and 113A - 54 (d) (4) and North Carolina Administrative Code, Title 15A, Chapter 4B.0107 (c). This certificate must be posted at the primary entrance of the job site before construction begins and until establishment of permanent groundcover as required by North Carolina Administrative Code, Title 15A, Chapter 4B.0127 (b).

SLOCUM CROFT PARK - PHASE II IMPROVEMENTS, CHATHAM STREET - CHATHAM COUNTY
Project Name and Location

10/4/2017
Date of Plan Approval




Environmental
Quality

Stanna Dumbay, P.E.
Regional Engineer

CHN6-2018-008

MEMORANDUM

TO: Attendees and Planholders

FROM: Dan Withers, P.E. 

SUBJECT: Pre-Bid Meeting Minutes
City of Havelock – Slocum Park – Phase V Improvements

DATE: July 30, 2018

A Pre-Bid Conference for the subject project was held in the Conference Room of City Hall located at One Governmental Avenue, Havelock, NC on July 19, 2018 at 10:00 a.m. Attendance was documented on a log sheet, a copy of which is attached to this memorandum.

Following the welcome and introductions, the Engineer provided a short project overview, and shared the following information with the attendees based on items and particulars the Engineer believed notable to potential Bidders:

- Although the Engineer and Owner will make a sincere effort to answer all questions to the best of their ability, Bidders are reminded to rely only on written information contained in the Contract Documents and Addenda.
- The Pre-Bid Conference is not mandatory. Minutes of the Pre-Bid will be prepared and issued to all plan holders as a part of Addendum No. 1.
- Bids will be received on Thursday, August 2, 2018 at 2:00 p.m., in City Hall located at One Governmental Avenue, Havelock, NC. Refer to the Advertisement for Bids for details on submitting the Bid.
- Upon receipt of satisfactory bids, the City expects to immediately proceed with awarding the contract and proceeding with construction. The contract time limit for this project will be 60 consecutive calendar days to substantial completion and liquidated damages are set at \$700.00 per calendar day.
- Questions that arise prior to opening of bids should be directed in writing to Rivers and Associates, Inc. (Rivers). These may be faxed, mailed, or emailed to Dan Withers (dwithers@riversandassociates.com) and Mark Garner (mgarner@riversandassociates.com).
- The project includes construction of a driveway, pervious parking bays, and appurtenant facilities at the existing Slocum Creek Park.
- Bid bond or Bid deposit in an amount equal to not less than five percent (5%) of the proposal **is required**.
- Performance bond and payment bond **are required**.

- Properly completed and executed Bid Proposal Package with original signatures and seals is required.
- Completed DBE/MBE forms are required.
- Bidders must hold a current license from the North Carolina Licensing Board for General Contractors with a classification in Building, Highway, or Unclassified.
- The Engineer addressed several items that he wished to bring to the attention of Bidders:
 - State Stormwater, Sedimentation and Erosion Control, and City Land Clearing permits have been applied for by the City but have not yet been issued. These permits shall be issued before a Notice to Proceed can be issued.
- After the Engineer concluded his presentation, the floor was opened for questions. The following items were discussed:
 - A question was asked regarding coordination with the tree clearing that was ongoing at the site under a separate contract. Owner indicated that this work was expected to be complete prior to award of the subject project. Engineer indicated that the plans would be revised to give additional information to bidders about expected conditions of the site post-clearing.
 - A question was asked regarding potential for undercut of unsuitable materials beneath the parking and driveway areas. Engineer indicated that a unit price item would be added to the bid form to address the limited undercut that was anticipated.



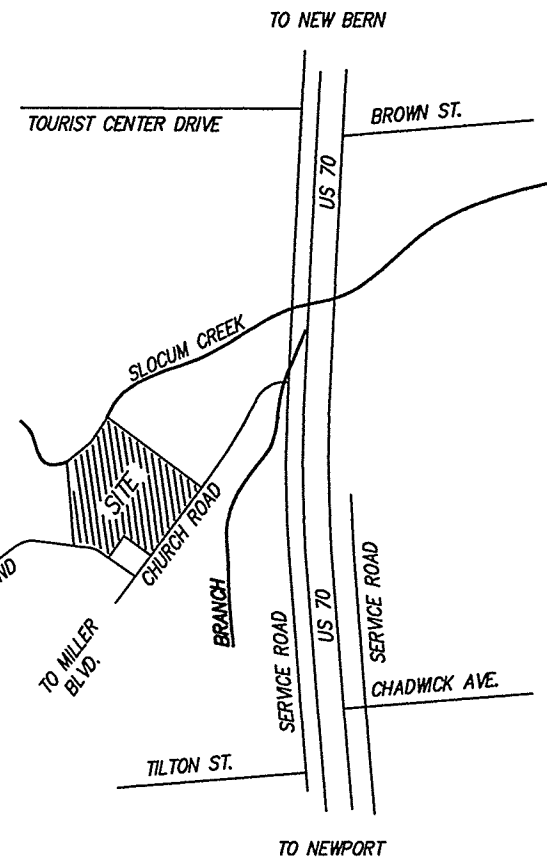
ENGINEERS
PLANNERS
SURVEYORS
LANDSCAPE ARCHITECTS
NCBELS LIC. NO. F-0334

PRE-BID MEETING ATTENDANCE LOG

DATE: July 19, 2018
OWNER: City of Havelock
PROJECT: Slocum Park – Phase V Improvements
CONTRACT: General Construction
MEETING LOCATION: City Hall, One Governmental Avenue, Havelock, NC 28532

<u>NAME</u>	<u>AFFILIATION</u>	<u>TELEPHONE</u>	<u>EMAIL</u>
<u>DAW WITHERS</u>	<u>RIVERS & ASSOCIATES</u>	<u>252-752-4135</u>	<u>dawithers@riversandassociates.com</u>
<u>Katrina Marshall</u>	<u>City of Havelock</u>	<u>252-444-6433</u>	<u>Kmarshall@havelock.nc.us</u>
<u>DANNY FORNES</u>	<u>CITY OF HAVELOCK</u>	<u>252-675-3564</u>	<u></u>
<u>Nick Simpson</u>	<u>TSCC</u>	<u>252-723-9143</u>	<u>Nick@ThomasSimpsonConstruction.com</u>
<u>John Hardy</u>	<u>Hardy Construction</u>	<u>252-670-3100</u>	<u>HPEDYCON@EMBARCMAIL.COM</u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>

P:\LANDSCAPE\Havelock - Slocum Park Ph. V - 20180810\CAD\DWG\180775 - SLOCUM PARK PH. V.DWG - C1 COVER - 30-JUL-18 11:03:45 AM - LEE CHRISTIAN



VICINITY MAP

GENERAL NOTES:

- CONTACT NORTH CAROLINA ONE-CALL CENTER, INC. (NC-811) TO HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING.
- ELECTRIC AND TELEPHONE UTILITIES SHALL BE INSTALLED UNDERGROUND.
- ALL REQUIRED IMPROVEMENTS SHALL COMPLY WITH THE CITY OF HAVELOCK MANUAL OF STANDARD DESIGNS AND DETAILS AND THE MANUAL FOR THE DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER SYSTEM EXTENSIONS FOR THE CITY OF HAVELOCK.
- CONSTRUCTION PLAN APPROVAL FROM THE CITY OF HAVELOCK SHALL BE OBTAINED PRIOR TO CONSTRUCTION OF ANY STREET, WATER, AND/OR SANITARY SEWER AND STORM DRAINAGE SYSTEMS.
- PROPERTY IS LOCATED WITHIN ZONE 'X' (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), ZONE 'X' SHADED (AREA OUTSIDE THE 1% ANNUAL CHANCE FLOODPLAIN), AND ZONE 'AE' (AREAS WITHIN THE 1% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON FLOOD INSURANCE RATE MAP 3720642201, EFFECTIVE JULY 2, 2004.
- SOIL EROSION AND SEDIMENTATION CONTROL PLAN APPROVAL BY THE CITY ENGINEER IS REQUIRED PRIOR TO THE INITIATION OF ANY LAND DISTURBING ACTIVITIES.
- THIS SITE DISTURBS GREATER THAN ONE-HALF ACRE. STORMWATER MANAGEMENT SHALL BE PROVIDED IN ACCORDANCE WITH THE NCDENR NEUSE RIVER BASIN - NUTRIENT SENSITIVE WATER MANAGEMENT STRATEGY.
- BUILDINGS MUST MEET ALL APPLICABLE BUILDING CODES. SITE SHALL MEET ALL RELATIVE NORTH CAROLINA ACCESSIBILITY CODE REQUIREMENTS.
- ALL DIMENSIONS ARE TO EDGE OF GRAVEL UNLESS OTHERWISE NOTED.
- APPROVAL OF SITE PLAN DOES NOT CONSTITUTE APPROVAL OF SIGNS. SEPARATE SIGN PERMITS ARE REQUIRED.
- CLEANOUTS LOCATED IN PAVED AREAS SHALL BE INSTALLED WITH A SEWER CLEANOUT BOX SET TO FINISHED GRADE AS SHOWN IN HAVELOCK'S STANDARD DETAIL DRAWINGS.
- CONTRACTOR SHALL NOTIFY PUBLIC WORKS STREET MAINTENANCE DIVISION 48 HOURS PRIOR TO MAKING CONNECTIONS TO EXISTING STORM DRAINS LOCATED WITHIN PUBLIC STORM DRAINAGE EASEMENTS OR R/W.
- ACCESS TO PUBLIC UTILITIES MUST BE MADE AVAILABLE AT ALL TIMES.
- FINAL OCCUPANCY SHALL NOT BE ISSUED UNTIL ALL FIRE HYDRANTS HAVE BEEN TESTED AND ACCEPTED BY THE CITY OF HAVELOCK.
- ELECTRIC EASEMENT IS 10" IN WIDTH AND CENTERED OVER ELECTRIC LINES AS INSTALLED.
- NO BUILDINGS, STRUCTURES OR OTHER IMPROVEMENTS, MATERIALS AND SURFACES, INCLUDING BUT NOT LIMITED TO PRINCIPAL AND ACCESSORY STRUCTURES AND ADDITIONS AND APPURTENANCES THERETO, SIGNAGE, FENCES, WALLS, MECHANICAL EQUIPMENT, CANOPIES, ANTENNAS, MASTS, DEBRIS, SOLID WASTE COLLECTION CONTAINERS, MAIL RECEPTACLES AND IMPERVIOUS SURFACES SHALL ENCR OACH WITHIN ANY DEDICATED EASEMENT WITHOUT PRIOR APPROVAL OF THE CITY OF HAVELOCK.
- THIS SITE IS WITHIN THE AIR INSTALLATION COMPATIBILITY USE ZONE (AICUZ) OF MARINE CORPS AIR STATION (MCAS) CHERRY POINT. (NOISE EXPOSURE LEVEL N2 (65 TO 74 LDN)
- PARKING LOT LIGHTS MUST SHINE DOWNWARD DUE TO PROXIMITY TO MCAS CHERRY POINT.

OWNER / DEVELOPER:

CITY OF HAVELOCK

PO BOX 368

HAVELOCK, NC 28532

ATTN: Ashley Wimberly - (252) 444-6400

OWNER'S CERTIFICATION

I (WE) HEREBY CERTIFY THAT I AM (WE ARE) THE OWNER(S) OF THE PROPERTY SHOWN AND DESCRIBED HEREON AND THAT I (WE) HEREBY APPROVE THIS SITE PLAN. I (WE) FURTHER CERTIFY THAT ALL EXTERIOR IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO PAVING AND LANDSCAPING, AS SHOWN ON THE SITE PLAN WILL BE MAINTAINED IN ACCORDANCE WITH THIS SITE PLAN AND THE CITY OF HAVELOCK CODE OF ORDINANCE.

OWNER'S SIGNATURE(S)

PARKING REQUIREMENTS:

PUBLIC PARK:
SLUCM NO: 7223
PARKING CATEGORY: K
1 PER 200 SF OF ACTIVITY AREA
6,800/200 = 34
34 PROVIDED

SITE DATA:

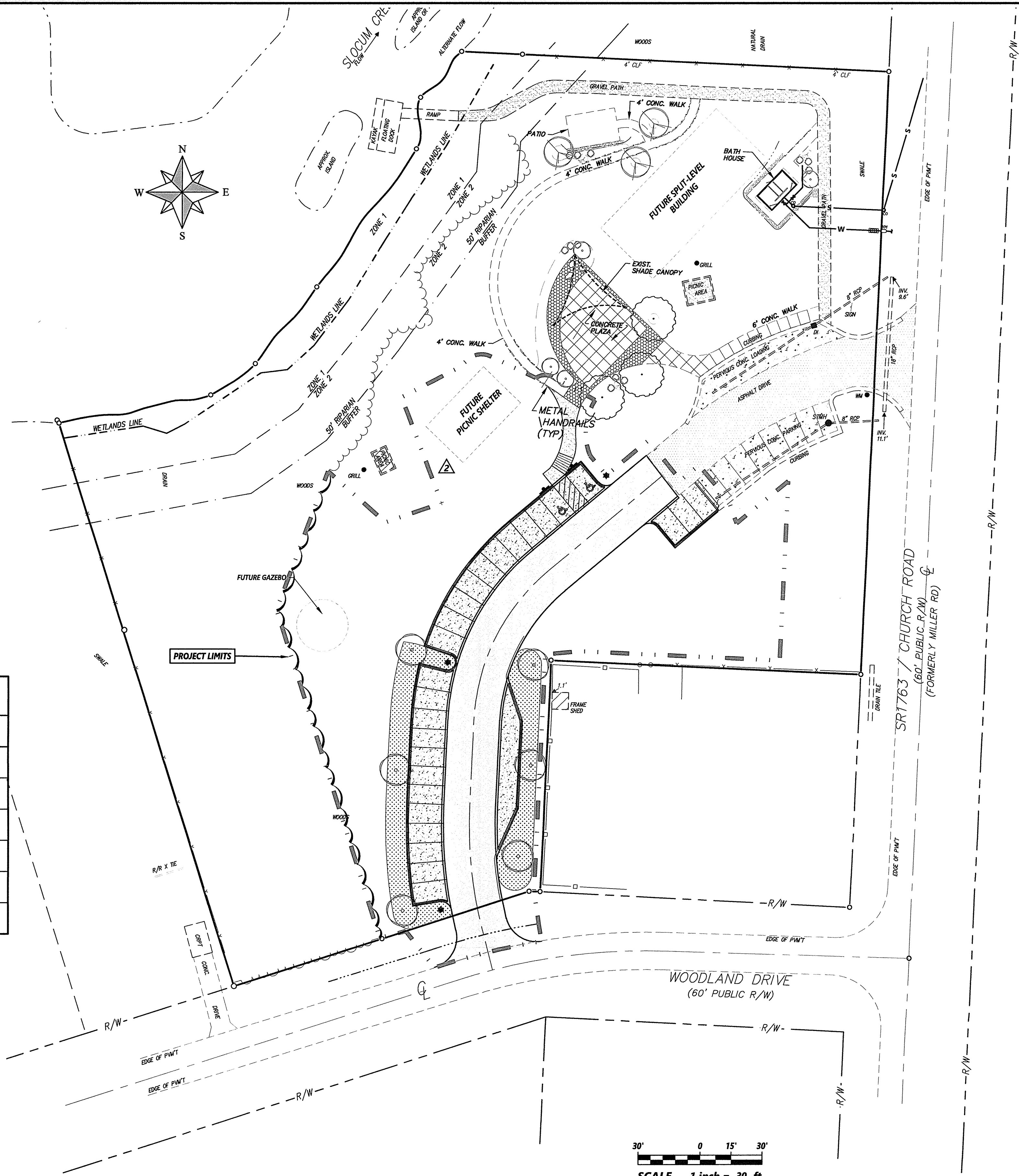
TOTAL ACREAGE IN SITE: 2.59 ACRES
PROJECT LIMITS: 29,021 SF (0.67 ACRE)
CURRENT ZONING: R10
PARCEL NUMBER: 6-053-003-A
GROSS FLOOR AREA (EXISTING): 170 SF
GROSS FLOOR AREA (PROPOSED): N/A
TOTAL FLOOR AREA: 170 SF
BUILDING LOT COVERAGE: 0.39%
BUILDING HEIGHT (IN FEET AND STORIES): <35 FT - 1 STORY
OPEN SPACE: 90,688 SF (2.08 ACRES)
EXISTING PERVIOUS PARKING: 1,985 SF
PROPOSED PERVIOUS PARKING: 4,583 SF
EXISTING IMPERVIOUS PARKING: 3,380 SF
PROPOSED IMPERVIOUS PARKING: 6,883 SF
EXISTING CONC. WALKS, PATIOS, ETC.: 4,572 SF
PROPOSED CONC. WALKS, PATIOS, ETC.: 345 SF
TOTAL PROPOSED IMPERVIOUS AREA: 15,350 SF (13.6%)
EXISTING PARKING SPACES: 8
PROPOSED PARKING SPACES: 26
TOTAL PARKING SPACES PROVIDED: 34
HC SPACES REQUIRED/PROPOSED: 2

SHEET INDEX

#	DESCRIPTION
C1	COVER
C2	TOPOGRAPHIC SURVEY
C3	DEMOLITION & EROSION CONTROL PLAN
C4	SITE, UTILITIES, GRADING & DRAINAGE PLAN
C5	DETAILS
L1	PLANTING PLAN



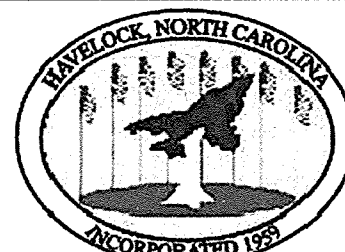
CALL BEFORE YOU DIG!
WWW.NC811.ORG
N.C. ONE-CALL CENTER
IT'S THE LAW!



30' 0 15' 30'
SCALE 1 inch = 30 ft

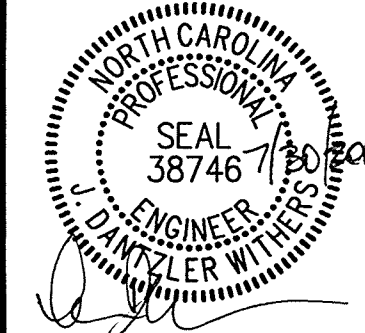
REVISIONS:

NO.	DATE	DESCRIPTION
1	7-30-2018	JDW
2	7-11-2018	JDW
3		APPD



COVER
Slocum Park - Phase V Improvements
City of Havelock
NORTH CAROLINA
CRAVEN COUNTY

Rivers
& ASSOCIATES, INC.
Since 1918
riversandassociates.com
107 East Second Street
Greenville, NC 27838
(252) 752-4135
Engineers
Surveyors
Landscape Architects



June 8, 2018

SURVEY	DRAFT	JJB
DESIGN	JDV	CHECK
PROJECT No.	2018018	
DRAWING No.	W-3775	
SCALE:	1" = 30'	
SHEET No.	OF 6	

C1

1. ALL WORK WILL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES. NO LAND DISTURBANCE BEYOND THAT REQUIRED TO INSTALL THE APPROPRIATE EROSION CONTROL MEASURE MAY PROCEED UNTIL MEASURES ARE INSPECTED AND APPROVED.

2. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS AND LAYOUT LINES AS INDICATED ON PLANS TO PROTECT ADJACENT DEVELOPMENTS. ROCK NET SEDIMENT TRAPS SHALL BE INSTALLED AROUND ALL DRAINAGE STRUCTURES TO COLLECT SURFACE RUNOFF AND CONTROL SILTATION AND RELEASE WATER AT A GRADUAL RATE. ALL DISTURBED AREAS WILL BE GRADED, SEEDING AND MULCHED.

3. ALL SHOULDER SHALL BE SEED TO STABILIZE THE SOIL. SEED BED PREPARATION SHALL BE CONDUCTED ACCORDING TO NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION. THERE SHALL BE CLEARANCE OF STUMPS, STONES, ROCKS, CABLES, WIRE, GRADE STAKE AND OTHER MATERIALS THAT MIGHT HINDER PROPER GRADING, TILLAGE, SEEDING OR SUBSEQUENT MAINTENANCE OPERATIONS. GRADES ON THE AREA TO BE SEED SHALL BE MAINTAINED IN A TRUE AND EVEN CONDITION. MAINTENANCE SHALL INCLUDE ANY NECESSARY REPAIRS TO PREVIOUSLY GRADED AREAS. ALL GRADED AREAS SHALL BE THOROUGHLY TILLED TO A DEPTH OF AT LEAST FOUR (4) INCHES BY PLOWING, DISKING, HARROWING, OR OTHER APPROVED METHODS UNTIL THE CONDITION OF THE SOIL IS ACCEPTABLE. ON SITES WHERE SOIL CONDITIONS ARE SUCH THAT HIGH CLAY CONTENT AND EXCESSIVE COMPACTNESS CAUSE DIFFICULTY IN GETTING GUTS AND LUMPS OF SOIL TO BREAK UP, THE SOIL SHALL BE TILLED TO A DEPTH OF AT LEAST FOUR (4) INCHES BY PLOWING, DISKING, HARROWING, OR OTHER APPROVED METHODS. THE TILLAGE OPERATIONS SHALL BE DONE TO A DEPTH OF AT LEAST FOUR (4) INCHES DIAMETER. A FIRM AND COMPACT SEED BED IS REQUIRED AND AFTER BEING GRADED, THE SEED BED SHALL BE LIGHTLY COMPACTED WITH A LAND ROLLER, SUCH AS A CATTLEPACER, BEFORE AND AFTER SEEDING. LIFETIME SHALL BE DOMESTIC AGRICULTURE GROUND LIME/STONE CONTAINING NOT LESS THAN 10 PERCENT MAGNESIUM OXIDE. LIME SHALL BE UNIFORMLY APPLIED AT THE RATE OF 2 TONS PER ACRE. TESTING METHODS AND SPECIFICATIONS, IF REQUIRED, SHALL BE OBTAINED FROM THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION. FERTILIZER SHALL BE UNIFORMLY APPLIED AT THE RATE OF 2 TONS PER ACRE. FERTILIZER SHALL BE APPLIED ONE TO TWO WEEKS PRIOR TO SEEDING. FERTILIZER SHALL BE APPLIED IMMEDIATELY AFTER DELIVERY OR STORED IN A MANNER THAT WILL NOT PERMIT IT TO HARDEN OR DESTROY ITS EFFECTIVENESS.

APPLY DOLEMATIC LIMESTONE AT THE RATE OF 2 TONS PER ACRE. IF HYDRATED LIME IS USED, FOLLOW RECOMMENDATION FROM SOIL TEST. COST OF THE TEST SHALL BE BORNE BY THE CONTRACTOR

APPLY 10-10-10 FERTILIZER OUTSIDE OF NCDOT RIGHT-OF-WAY AT A RATE OF 1,000 POUNDS PER ACRE

APPLY 10-20-20 FERTILIZER WITHIN NCDOT RIGHT-OF-WAY AT A RATE OF 500 POUNDS PER ACRE

PROVIDE PERMANENT SEEDING IN ACCORDANCE WITH THE FOLLOWING SCHEDULE

OUTSIDE OF NCDOT R/W	
JANUARY 1 - MARCH 31	
COMMON BERMUDA GRASS (UNHILLED)	- 20 POUNDS PER ACRE
(APRIL 1 - JULY 31)	
COMMON BERMUDA GRASS (HILLED)	- 15 POUNDS PER ACRE
CENTPEDEE	- 8 POUNDS PER ACRE
AUGUST 1 - DECEMBER 31	
COMMON BERMUDA GRASS (UNHILLED)	- 15 POUNDS PER ACRE
TALL FESCUE	- 120 POUNDS PER ACRE
CENTPEDEE	- 8 POUNDS PER ACRE
WITHIN NCDOT R/W	
JANUARY 1 - DECEMBER 31	
FESCUE	- 50 POUNDS PER ACRE
PENSACOLA BAHIAGRASS	- 25 POUNDS PER ACRE
CENTPEDEE	- 5 POUNDS PER ACRE

4. GROUND STABILIZATION (PER NCG010000)
- A. SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:
 - I. ALL PERIMETER DITCHES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 (VERTICAL 3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
 - II. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
 - B. CONDITIONS - IN MEETING THE STABILIZATION REQUIREMENTS ABOVE, THE FOLLOWING CONDITIONS OR EXEMPTIONS SHALL APPLY:
 - I. EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AGENCY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE.
 - II. ALL SLOPES 50° IN LENGTH OR GREATER SHALL APPLY THE DAY-GROUND COVER WITHIN 7 DAYS EXCEPT WHEN THE SLOPE IS FLATTER THAN 4:1. SLOPES LESS THAN 50° SHALL APPLY GROUND COVER WITHIN 14 DAYS EXCEPT WHEN SLOPES ARE STEEPER THAN 3:1, THE 7-DAY REQUIREMENT APPLIES.
 - III. ANY SLOPED AREA FLATTER THAN 4:1 SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT.
 - IV. SLOPES 50° OR LESS IN LENGTH SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT EXCEPT WHEN THE SLOPE IS STEEPER THAN 2:1.
 - V. LITCHES/STABILIZATION IS USUALLY SPECIFIED AS GRASS/COVER. OTHER METHODS, SUCH AS CHEMICAL STABILIZATION, MAY BE ALLOWED ON A CASE-BY-CASE BASIS.
 - VI. FOR PORTIONS OF PROJECTS WITHIN ONE MILE AND DRAINING TO TROUT WATERS AND HIGH QUALITY WATERS AS CLASSIFIED BY THE ENVIRONMENTAL MANAGEMENT COMMISSION, STABILIZATION WITH GROUND COVER SHALL BE ACHIEVED AS SOON AS PRACTICABLE BUT IN ANY EVENT ON ALL AREAS OF THE SITE WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACT.
 - VII. FOR PORTIONS OF PROJECTS LOCATED IN OUTSTANDING RESOURCE WATERSHEDS AS CLASSIFIED BY THE ENVIRONMENTAL MANAGEMENT COMMISSION, STABILIZATION WITH GROUND COVER SHALL BE ACHIEVED AS SOON AS PRACTICABLE BUT IN ANY EVENT ON ALL AREAS WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACT.
 - VIII. PORTIONS OF A SITE THAT ARE LOWER IN ELEVATION THAN ADJACENT DISCHARGE LOCATIONS AND ARE NOT EXPECTED TO DISCHARGE DURING CONSTRUCTION MAY BE EXEMPT FROM THE TEMPORARY GROUND COVER REQUIREMENTS IF IDENTIFIED ON THE APPROVED E83C PLAN OR ADDED BY THE PERMITTING AUTHORITY.
5. SELF INSPECTION AND REPORTING REQUIREMENTS (PER NCG010000)
- MINIMUM SELF INSPECTION AND REPORTING REQUIREMENTS ARE AS FOLLOWS UNLESS OTHERWISE APPROVED IN WRITING BY THE DIVISION OF WATER QUALITY.

A. A RAIN GAUGE SHALL BE MAINTAINED IN GOOD WORKING ORDER ON THE SITE UNLESS ANOTHER RAIN MONITORING DEVICE HAS BEEN APPROVED BY THE PERMITTING AUTHORITY.

B. A WRITTEN RECORD OF THE DAILY RAINFALL AMOUNTS SHALL BE RETAINED AND ALL RECORDS SHALL BE MADE AVAILABLE TO DWQ OR AUTHORIZED AGENT UPON REQUEST. NOTE: IF NO RAINFALL OCCURRED, THE PERMITTEE MUST RECORD ZERO.

C. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. INSPECTION RECORDS MUST BE MAINTAINED FOR EACH INSPECTION EVENT AND FOR EACH MEASURE. AT A MINIMUM, INSPECTION OF MEASURES MUST OCCUR AT THE FREQUENCY INDICATED BELOW:

- I. ALL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE INSPECTED BY OR UNDER THE DIRECTION OF THE PERMITTEE AT LEAST EVERY SEVEN CALENDAR DAYS, AND
- II. EROSION AND SEDIMENTATION MEASURES MUST BE INSPECTED BY OR UNDER THE DIRECTION OF THE PERMITTEE WITHIN 24 HOURS AFTER ANY STORM EVENT OF GREATER THAN 0.50 INCHES OF RAIN PER 24 HOUR PERIOD.

D. TIMES WHEN A DETERMINATION THAT ADVERSE WEATHER CONDITIONS PREVENTED INSPECTIONS SHOULD BE DOCUMENTED ON THE INSPECTION RECORD.

E. INSPECTIONS OF EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INFLUENCED BY OBSERVATION OF WEATHER CONDITIONS AND OTHER STORMWATER DISCHARGE CHARACTERISTICS SUCH AS CLARITY, FLOATING SOLIDS, AND OIL SHEENS. INSPECTIONS OF THE OUTFALLS SHALL BE MADE AT LEAST EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT OF GREATER THAN 0.50 INCHES OF RAIN PER 24 HOUR PERIOD.

F. INSPECTIONS ARE ONLY REQUIRED TO BE MADE DURING NORMAL BUSINESS HOURS, WHEN ADVERSE WEATHER CONDITIONS WOULD CAUSE THE SAFETY OF THE INSPECTION PERSONNEL TO BE IN JEOPARDY. THE INSPECTION CAN BE DELETED UNTIL IT IS DEEMED SAFE TO PERFORM THESE DUTIES. IF THE INSPECTION CANNOT BE DONE ON THAT DAY, IT MUST BE COMPLETED ON THE FOLLOWING BUSINESS DAY.

G. TWENTY-FOUR (24) HOUR REPORTING FOR VISIBLE SEDIMENT DEPOSITION

H. THE PERMITTEE SHALL NOTIFY THE DISTRICT, LOCAL, STATE, AND FEDERAL OFFICE OR THE APPROPRIATE REGIONAL OFFICE ANY WRITTEN COMMENT BEING DEPOSITED IN ANY STREAM OR WETLAND OR ANY NONCOMPLIANCE WHICH MAY ENDANGER HEALTH OR THE ENVIRONMENT. (SEE SECTION 4 OF THIS PERMIT FOR CONTACT INFORMATION) ANY INFORMATION SHALL BE PROVIDED ORALLY OR ELECTRONICALLY WITHIN 24 HOURS FROM THE TIME THE PERMITTEE BECAME AWARE OF THE CIRCUMSTANCES. VISIBLE DISCOLORATION OR SUSPENDED SOLIDS IN THE EFFLUENT SHOULD BE RECORDED ON THE INSPECTION RECORD AS FOLLOWS BELOW:

I. SUBMISSION OF WRITTEN SUBMISSION OF THE APPROPRIATE REGIONAL OFFICE OF THE DWQ WITHIN 5 DAYS OF THE TIME THE PERMITTEE BECAME AWARE OF THE CIRCUMSTANCES, THE WRITTEN SUBMISSION SHALL CONTAIN A DESCRIPTION OF THE SEDIMENT DEPOSITION AND ACTIONS TAKEN TO ADDRESS THE CAUSE OF THE DEPOSITION, THE DIVISION OF WATER QUALITY STAFF MAY WAIVE THE REQUIREMENT FOR A WRITTEN SUBMISSION ON A CASE-BY-CASE BASIS.

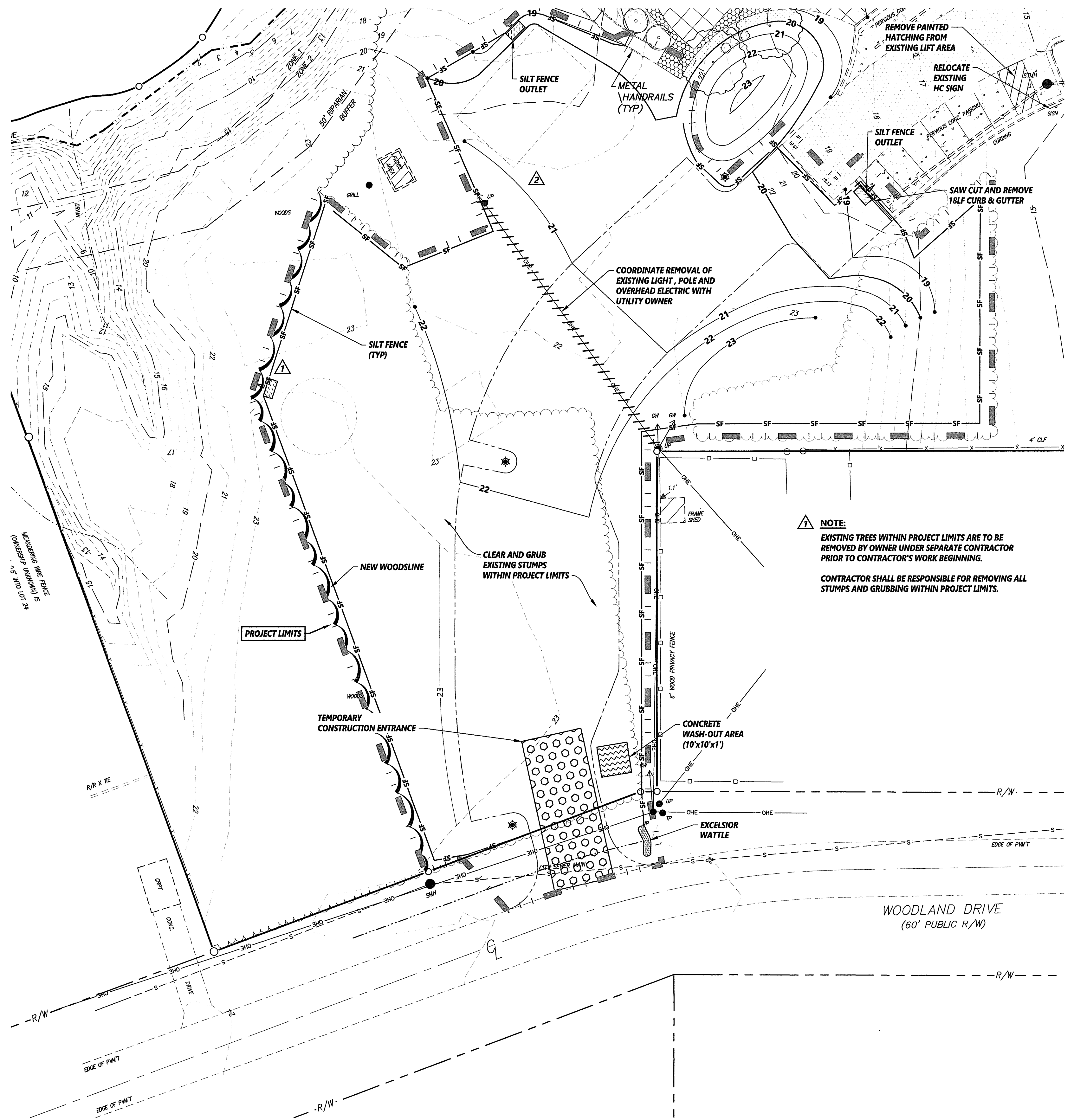
J. RECORDS OF THE PERMITTEE SHALL BE MADE AVAILABLE TO DWQ INSPECTORS AT ALL TIMES DURING NORMAL WORKING HOURS, UNLESS THE PERMITTING AUTHORITY PROVIDES A SITE-SPECIFIC EXEMPTION BASED ON UNIQUE SITE CONDITIONS THAT MAKE THIS REQUIREMENT NOT PRACTICAL. ORDINAL RECORDS MUST BE MAINTAINED FOR A PERIOD OF ONE YEAR AFTER PROJECT COMPLETION AND MADE AVAILABLE UPON REQUEST. THE RECORDS MUST PROVIDE THE DETAILS OF EACH INSPECTION INCLUDING OBSERVATIONS, AND ACTIONS TAKEN TO CORRECT THE PROBLEM. THE RECORDS SHALL BE MAINTAINED IN THE ORIGINAL RAINFALL AND MONITORING LOGS AND A SUMMARY OF THE INSPECTION RECORD FOR FIVE YEARS. THE PERMITTEE'S GENERAL PERMIT NCS001 FORM PROVIDED BY THE DIVISION OR A SIMILAR INSPECTION FORM THAT IS EQUIVARIANT TO THAT WHICH IS INCLUDED AS ONE OF THE ELEMENTS CONTAINED IN THE DIVISION'S FORM. ELECTRONIC VERSIONS OF RECORDS WILL BE ALLOWED IF APPROVED BY THE PERMITTING AUTHORITY.

K. INSPECTION RECORDS MUST INCLUDE AT A MINIMUM, THE FOLLOWING:

- I. DATE, TIME, MEASURE INSPECTED, INSPECTION RESULTS, AND AT A MINIMUM

1. IDENTIFICATION OF THE MEASURES INSPECTED,
2. DATE AND TIME OF THE INSPECTION,
3. NAME OF THE PERSON PERFORMING THE INSPECTION,
4. INDICATION OF WHETHER THE MEASURES WERE OPERATING PROPERLY,
5. DESCRIPTION OF MAINTENANCE NEEDS FOR THE MEASURE,
6. CORRECTIVE ACTIONS TAKEN AND
7. DATE OF ACTIONS TAKEN.
- II. STORMWATER DISCHARGE INSPECTIONS: INSPECTION RECORDS MUST INCLUDE AT A MINIMUM:
 1. IDENTIFICATION OF THE DISCHARGE OUTFALL INSPECTED,
 2. DATE AND TIME OF THE INSPECTION,
 3. NAME OF THE PERSON PERFORMING THE INSPECTION,
 4. EVIDENCE OF INDICATORS OF STORMWATER POLLUTION SUCH AS OIL SHEEN, FLOATING OR SUSPENDED SOLIDS OR DISCOLORATION,
 5. INDICATION OF VISIBLE SEDIMENT LEAVING THE SITE,
 6. ACTIONS TAKEN TO CORRECT/PREVENT SEDIMENTATION AND
 7. DATE OF ACTIONS TAKEN.
- III. VISIBLE SEDIMENTATION FOUND OUTSIDE THE SITE LIMITS: INSPECTION RECORDS MUST INCLUDE:
 1. AN EXPLANATION AS TO THE ACTIONS TAKEN TO CONTROL FUTURE RELEASES,
 2. ACTIONS TAKEN TO CLEAN UP OR STABILIZE THE SEDIMENT THAT HAS LEFT THE SITE LIMITS AND
 3. DATE OF ACTIONS TAKEN.
- IV. VISIBLE SEDIMENTATION FOUND IN STREAMS OR WETLANDS: ALL INSPECTIONS SHOULD INCLUDE EVALUATION OF STREAMS OR WETLANDS ONSITE OR OFFSITE (WHERE ACCESSIBLE) TO DETERMINE IF VISIBLE SEDIMENTATION HAS OCCURRED.
 1. IF SEDIMENT TURBIDITY - IF THE DISCHARGE FROM A SITE RESULTS IN VISIBLE STREAM TURBIDITY, INSPECTION RECORDS MUST RECORD THAT EVIDENCE AND ACTIONS TAKEN TO REDUCE SEDIMENT CONTRIBUTIONS, SITES DISCHARGING TO STREAMS NAMED ON THE STATE'S 303D LIST AS IMPAIRED FOR SEDIMENT-RELATED CAUSES MAY BE REQUIRED TO PERFORM ADDITIONAL MONITORING, INSPECTIONS OR APPLICATION OF MORE-STRINGENT MANAGEMENT PRACTICES IF IT IS DETERMINED THAT THE ADDITIONAL REQUIREMENTS ARE NEEDED TO ASSURE COMPLIANCE WITH THE FEDERAL OR STATE WATER QUALITY STANDARDS. IF A DISCHARGE COVERED BY THIS PERMIT ENTERS A STREAM SEGMENT THAT IS LISTED ON THE IMPAIRED STREAM LIST FOR SEDIMENT-RELATED CAUSES, AND A TOTAL MAXIMUM DAILY LOAD (TMDL) HAS BEEN PREPARED FOR THOSE POLLUTANTS, THE PERMITTEE MUST IMPLEMENT MEASURES TO ENSURE THAT THE DISCHARGE OF POLLUTANTS FROM THE SITE IS CONSISTENT WITH THE ASSUMPTIONS AND MEETS THE REQUIREMENTS OF THE APPROVED TMDL. THE DWQ 303D LIST CAN BE FOUND AT: http://h2o.net.state.nc.us/TMDL/general_303d.htm

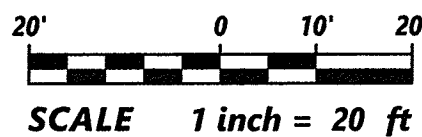
1. IN THE EVENT OF A CONFLICT BETWEEN THE REQUIREMENTS OF THE SEDIMENTATION POLLUTION CONTROL ACT, THE SUBMITTED PLAN AND/OR THE CONTRACT SPECIFICATIONS, THE MORE RESTRICTIVE REQUIREMENT SHALL PREVAIL. THE LAND-DISTURBING ACTIVITY SHALL BE CONDUCTED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
2. IF THE EROSION AND SEDIMENTATION CONTROL PLAN WILL BE USED DURING UNANNOUNCED INSPECTIONS TO DETERMINE COMPLIANCE, A COPY OF THE PLAN MUST BE ON FILE AT THE JOB SITE. IF IT IS DETERMINED THAT THE IMPLEMENTED PLAN IS INADEQUATE, THIS OFFICE MAY REQUIRE THE INSTALLATION OF ADDITIONAL MEASURES THAT THE PLAN BE REVISED TO COMPLY WITH STATE LAW.
3. THE CERTIFICATE OF PLAN APPROVAL MUST BE POSTED AT THE PRIMARY ENTRANCE TO THE JOB SITE AND REMAIN UNTIL THE SITE IS PERMANENTLY STABILIZED.
4. A BUFFER ZONE, SUFFICIENT TO RESTRAIN VISIBLE SEDIMENTATION WITHIN THE FIRST 25% OF THE WIDTH CLOSEST TO THE LAND DISTURBANCE, MUST BE PROVIDED AND MAINTAINED BETWEEN THE LAND-DISTURBING ACTIVITY AND ANY ADJACENT PROPERTY OR WATERCOURSE.
5. IN ORDER TO COMPLY WITH THE INTENT OF THE ACT, THE SCHEDULING OF THE LAND-DISTURBING ACTIVITIES IS TO BE SUCH THAT BOTH THE AREA OF EXPOSURE AND THE TIME BETWEEN LAND DISTURBANCE AND PROVIDING GROUND COVER BE MINIMIZED.
6. UNLESS A TEMPORARY MANUFACTURED SLURRY MIXING MATERIAL HAS BEEN SPECIFIED, A CLEAN STRAW MULCH MUST BE APPLIED, AT A MINIMUM RATE OF 7 TONS/ACRE, TO ALL SEEDED AREAS. THE MULCH MUST COVER AT LEAST 75% OF THE SEEDBED AREA IF IT IS EITHER TACKED WITH AN ACCEPTABLE TACKING MATERIAL, OR CRIMPED IN PLACE.
7. ADEQUATE AND APPROPRIATE MEASURES MUST BE PROPERLY INSTALLED DOWNSTREAM, WITHIN THE LIMITS OF DISTURBANCE, OF ANY LAND-DISTURBING ACTIVITY TO PREVENT SEDIMENT FROM LEAVING THE LIMITS OF DISTURBANCE ENTERING EXISTING DRAINAGE SYSTEMS, IMPACTING ON-SITE NATURAL WATERCOURSE OR ADJACENT PROPERTY.
8. ALL AREAS, INCLUDING OUTLET SECTIONS, ARE NOT A PART OF THE DISTURBED AREA. PROVIDE ADEQUATE AND APPROPRIATE MEASURES FOR ALL CONSTRUCTION WITHIN AREAS OF CONCENTRATED FLOW.
9. ALL SLOPES AFFECTED DURING THE INSTALLATION/CLANPROM PROJECT MUST BE PROVIDED ON A GRADE THAT CAN BE RETAINED BY VEGETATIVE OR OTHER APPROPRIATE COVER.
10. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 10' BUFFER ZONE BETWEEN ANY GIVEN ROAD SECTION TO THE LESSER OF 2 (TWO) ACRES OR THE EFFECTIVE LENGTH ALONG ANY GIVEN ROAD SECTION (APPROXIMATELY 2 MILES). A ROAD SECTION BEING DEFINED AS A CONTINUOUS SECTION OF ROAD HAVING THE SAME SR NUMBER OR ROAD NAME.
11. INSTALL SILT FENCE OVER AND AROUND THE TOP OF EXISTING PILES AND INLETS AT DISTURBED AREAS.
12. DISTURBED AREAS SHALL BE GRADED TO MINIMIZE RUNOFF.
13. INSTALL SILT FENCE AROUND SPOIL PILES AND ALONG TRENCHES TO MINIMIZE SEDIMENT FROM ENTERING ROADSIDE DITCHES AND EXISTING DRAINAGE OUTLETS.
14. PROVIDE EROSION CONTROL MEASURES ALONG STOCK/WASTE PILES AND STAGING AREAS AS DIRECTED BY ENGINEER.
15. PROTECT STOCK PILE INLETS FROM SEDIMENT RUNOFF FROM LAND DISTURBING ACTIVITIES WITH SILT FENCE, STONE CHUCK DAM, OR ARC LATE AS APPROPRIATE FOR SITE CONDITIONS.
16. PROVIDE EROSION CONTROL MEASURES TO PROTECT WATERWAYS WITH EQUALS OF DISTURBANCE AS REQUIRED BY RECORD DRAWING.
17. WHERE THE AREA AROUND AN OUTLET IS DISTURBED AND NO OUTLET PROTECTING CLASS "1" RIP-RAP CAN BE PLACED, REMOVE PILE OUTLET AS DIRECTED BY THE ENGINEER.
18. PROVIDE EROSION CONTROL MATTING WHERE INDICATED UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
19. PROVIDE PERMANENT SEEDING IN ACCORDANCE WITH THE SEEDING SCHEDULE.
20. REPORT EROSION CONTROL DEFICIENCIES TO THE ENGINEER IMMEDIATELY.
21. ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL ALL SEEDING IS ESTABLISHED AND CONSTRUCTION AREAS HAVE BEEN STABILIZED.
22. THE CONTRACTOR SHALL INSPECT AND MAINTAIN AS NEEDED ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH MAJOR STORM EVENT. WHEN INSPECTION REVEALS THE TRAP TO BE REDUCED TO 50% OF DESIGN CAPACITY OR THE DEVICE TO BE DEFICIENT IN ITS INTENDED PURPOSE SUCH AS FABRIC DEGRADATION FOR SILT FENCES THE CONTRACTOR SHALL RESTORE THE DEVICE TO ITS ORIGINAL CONDITION. FAILURE TO KEEP ALL EROSION CONTROL DEVICES IN PROPER WORKING ORDER MAY RESULT IN A STOP WORK ORDER OR CIVIL PENALTIES UP TO \$5,000.00 PER DAY OF VIOLATION.



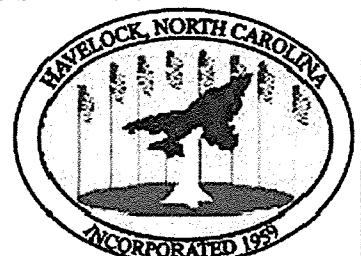
THIS PROJECT CONSISTS OF CONSTRUCTING ADDITIONAL PARKING AND
HARDSCAPE IMPROVEMENTS.

CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE
EROSION CONTROL OFFICER PRIOR TO INITIATING LAND DISTURBING ACTIVITIES.

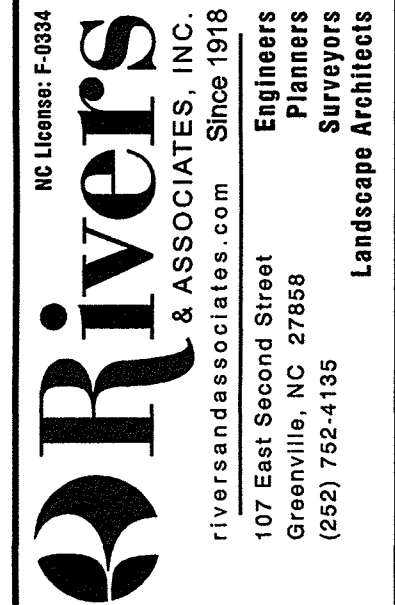
- SINCE SOME ITEMS WILL BE PERFORMED CONCURRENTLY, AN ANTICIPATED COMPLETION TIME OF THREE (3) MONTH IS EXPECTED FOR THIS PROJECT.



REVISIONS:			
		7-30-2018	JDW
		7-11-2018	JDW
REV.	DESCRIPTION	DATE	APP'D
1	OWNER COMMENTS		
	GRADING REVISIONS		



DEMOLITION & EROSION CONTROL PLAN
Slocum Park - Phase V Improvements
City of Havelock
CRAVEN COUNTY NORTH CAROLINA

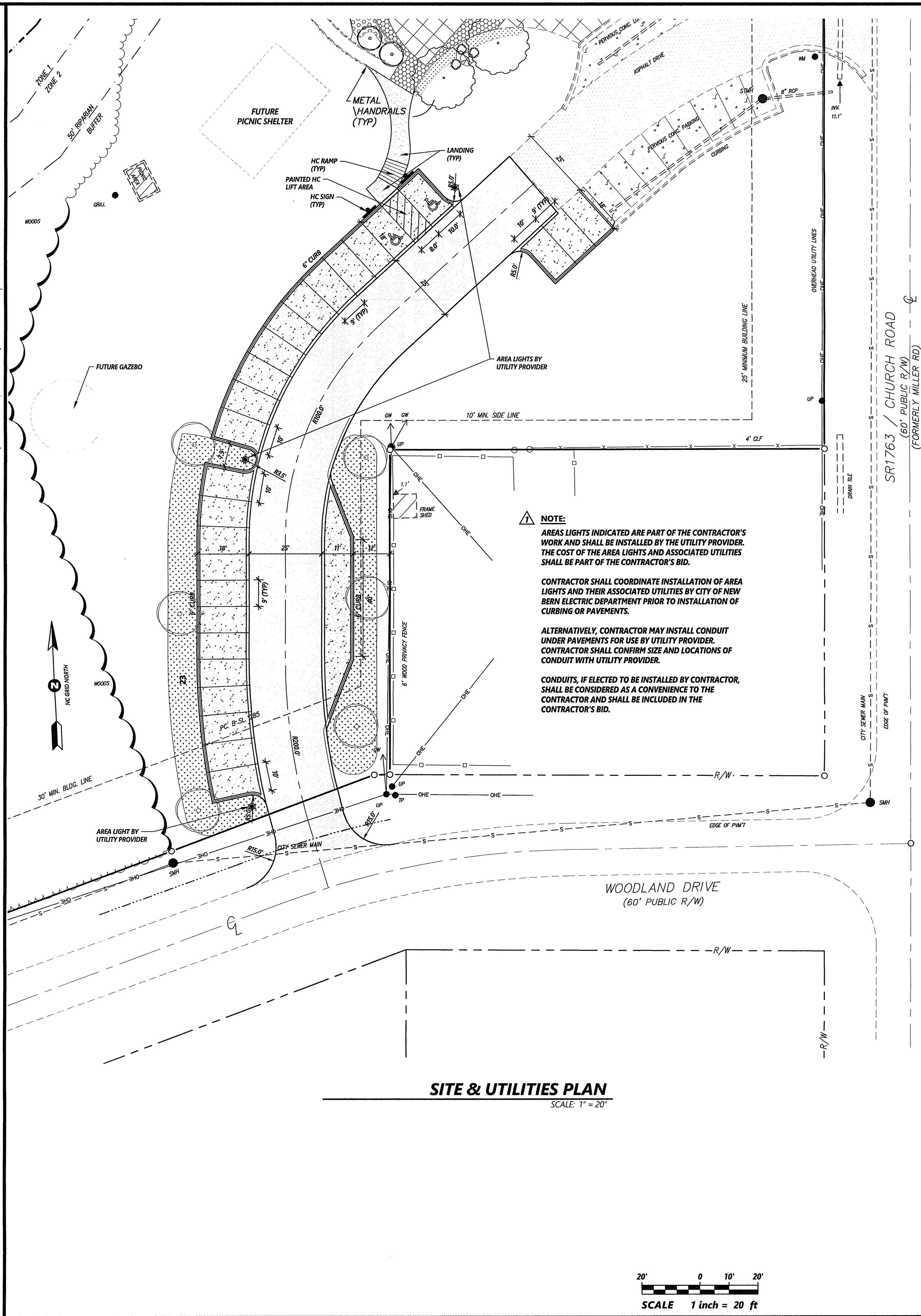
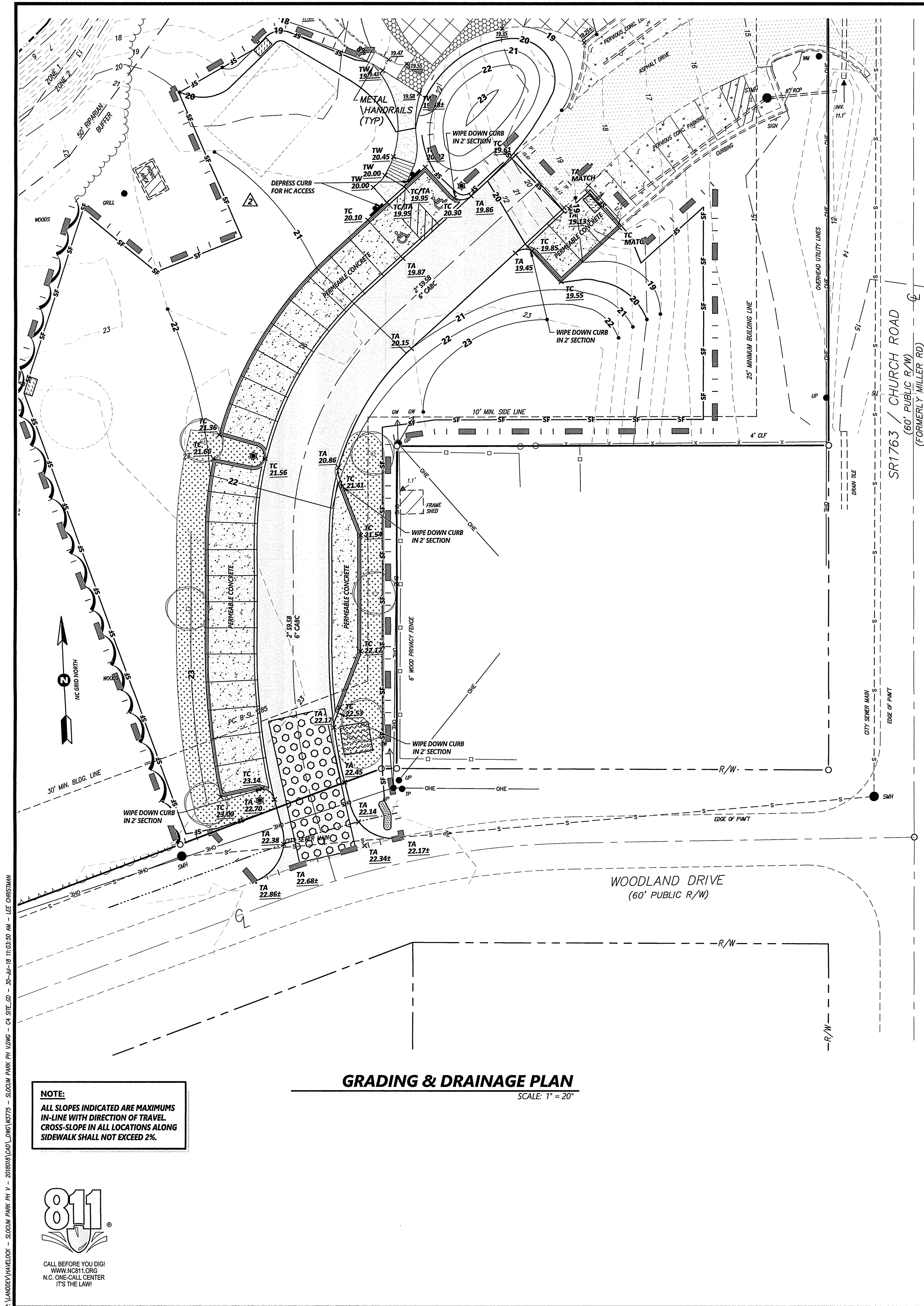


June 8, 2018

SURVEY	-	DRAFT	JJB
DESIGN	JDV	CHECK	JDV
PROJECT No.	2018018		
DRAWING No.	W-3775		
SCALE:	1" = 20'		
SHEET No.	OF 6		

No. OF

CS



NOTE:
ALL SLOPES INDICATED ARE MAXIMUMS
IN-LINE WITH DIRECTION OF TRAVEL
CROSS-SLOPE IN ALL LOCATIONS ALONG
SIDEWALK SHALL NOT EXCEED 2%.

811
CALL BEFORE YOU DIG!
WWW.NC811.ORG
N.C. ONE-CALL CENTER
(IT'S THE LAW!)

20' 0 10' 20'
SCALE 1 inch = 20 ft

REVISIONS:

NO.	DATE	DESCRIPTION
1	7-30-2018	JDW
2	7-11-2018	JDW

GRADING REVISIONS
OWNER COMMENTS

City of Havelock
NORTH CAROLINA
CRAVEN COUNTY

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DAVID W. WILLIAMS
ENGINEER
PLANNING
SURVEYING
LANDSCAPE ARCHITECTS

June 8, 2018

SURVEY	DESIGN	PROJECT No.	DRAWING No.	SCALE	SHEET No.
JDW	JDW	2018018	W-3775	1" = 20'	6

C4