Board of Commissioners
Agenda Packet

March 20, 2017

Special Meeting

1:00 PM Budget Work Session

Closed Session Pursuant to G.S. 143-318.11(A)(3) to Consult with the County Attorney in Order to Preserve Attorney-Client Privilege.

Work Session

5:00 PM Commissioners' Reception hosted by Currituck County Cooperative Extension

6:00 PM Call to Order

A) Invocation & Pledge of Allegiance-Reverend Glenn McCranie, US Navy Chaplain, Retired

B) Approval of Agenda

Public Comment

Please limit comments to matters other than those appearing on this agenda as a Public Hearing. Public comments are limited to 3 minutes.

Administrative Reports

A) **Currituck County Cooperative Extension-Report to the People**

B) **Lower Currituck Volunteer Fire Department Annual Report**

Public Hearings

A) **PB 13-12 Moyock Commons, Phase 1** Request for a preliminary plat/use permit for a 55 lot residential subdivision located on the westerly terminus of Moyock Commons Drive, behind the Food Lion Shopping Center, Tax Map 15, Parcel 79, Moyock Township.

New Business

A) **Resolution of Intent to Consider Permanent Closure of the Remainder of Old US Highway 158 (SR 1405)**

B) **An Ordinance of the Currituck County Board of Commissioners Amending Chapter 10 of the Currituck County Code of Ordinances to Prohibit Aircraft on County Beaches**

C) **Consideration and Action on an Ordinance of the Currituck County Board of Commissioners Amending Chapter 9, Article III, Section 9-71 of the Currituck County Code of Ordinances to Provide that Emission of Certain Material into the Open Air Shall Constitute a Nuisance.**

D) **Consent Agenda**

1. Approval Of Minutes for March 6, 2017
2. Budget Amendments

3. Proclamation Designating April as Senior Games Participation Month
4. Resolution of Support for the College of the Albemarle
5. Surplus Resolution-Emergency Management, Mobile Radios

E) **Commissioner's Report**

F) **County Manager's Report**

Special Meeting of the Ocean Sands Water & Sewer District Board

Ocean Sands Water & Sewer District-Budget Amendment

Motion to Adjourn the meeting of the OSWSD Board

Adjourn

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1839)

Agenda Item Title

1:00 PM Budget Work Session

Brief Description of Agenda Item:

Board Action Requested

Discussion

Person Submitting Agenda Item

Leeann Walton, Clerk to the Board

Presenter of Agenda Item

Daniel F. Scanlon

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1841)

Agenda Item Title

Closed Session Pursuant to G.S. 143-318.11(A)(3) to Consult with the County Attorney in Order to Preserve Attorney-Client Privilege.

Brief Description of Agenda Item:

Board Action Requested

Discussion

Person Submitting Agenda Item

Leeann Walton, Clerk to the Board

Presenter of Agenda Item

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1825)

Agenda Item Title

5:00 PM Commissioners' Reception hosted by Currituck County Cooperative Extension

Brief Description of Agenda Item:

Board Action Requested

Information

Person Submitting Agenda Item

Leeann Walton, Clerk to the Board

Presenter of Agenda Item

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1826)

Agenda Item Title

Currituck County Cooperative Extension-Report to the People

Brief Description of Agenda Item:

Board Action Requested

Information

Person Submitting Agenda Item

Leeann Walton, Clerk to the Board

Presenter of Agenda Item

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1824)

Agenda Item Title

Lower Currituck Volunteer Fire Department Annual Report

Brief Description of Agenda Item:

Board Action Requested

Information

Person Submitting Agenda Item

Leeann Walton, Clerk to the Board

Presenter of Agenda Item

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1822)

Agenda Item Title

PB 13-12 Moyock Commons, Phase 1

Brief Description of Agenda Item:

Request for a preliminary plat/use permit for a 55 lot residential subdivision located on the westerly terminus of Moyock Commons Drive, behind the Food Lion Shopping Center, Tax Map 15, Parcel 79, Moyock Township.

Board Action Requested

Action

Person Submitting Agenda Item

Cheri Elliott, Assistant

Presenter of Agenda Item

Tammy Glave

STAFF REPORT
PB 13-12
BOARD OF COMMISSIONERS
MARCH 20, 2017

Attachment: Moyock Commons, P1, PP-UP BOC 3-20-17 (1822 : PB 13-12 Moyock Commons, Phase 1)

APPLICATION SUMMARY

Property Owner: Moyock Land Company LLC % Chip Friedman 3500 Virginia Beach Blvd Ste 600 Va Beach VA 23452	**Applicant:** Hassell & Folkes, PC % Stuart Bonnell 325 Volvo Parkway Chesapeake VA 23320
Case Number: PB 13-12	**Application Type:** Preliminary Plat/Use Permit
Parcel Identification Number: 0015-000-0079-0000	**Existing Use:** Cultivated Farmland, Woodlands
Land Use Plan Classification: Full Service	**Parcel Size (Acres):** 27.341
Moyock SAP Classification: Full Service	**Type of Subdivision:** Conservation
Number of Units: 55	**Project Density:** 2 units/acre
Required Conservation Area (Acres): 10.94 (40%)	**Provided Conservation Area (Acres):** 11.22 (41%)

STAFF ANALYSIS

On March 17, 2014 the Board of Commissioners approved the conditional rezoning of this property from AG (Agricultural) to C-SFM (Conditional-Single Family Mainland). The conceptual plan (attached) approved as a part of the conditional rezoning allowed for 55 lots and the proposed layout is consistent with this subdivision request.

It should be noted that the applicant held a community meeting for this request on September 27, 2016. A procedural error was made as staff was not invited to attend the meeting; however, staff understands that the meeting was well attended and a summary of the meeting is attached.

It is also important to note that the plat calls out several areas of potential wetlands on the property. The applicant states that the wetland delineation is “currently in process by others”. Wetland verification as certified by the US Army Corps of Engineers is required upon preliminary plat submittal. The conceptual plan approved as part of the conditional rezoning indicated the potential wetland size of .08 acres was to be filled. A Nationwide Permit issued by the US Army Corps of Engineers is necessary prior to filling any wetlands. If a fill permit is not issued, the wetland area must be placed into a primary conservation area.

Finally, it is important to note that according to NCDOT Moyock Commons Drive does not meet their Design and Construction Standards and has not been accepted for maintenance. The UDO requires the new subdivision to connect to an improved street that meets NCDOT Design and Construction Standards or one that has been accepted for maintenance by NCDOT. While the existing improved portion of Moyock Commons Drive met the NCDOT Design and Construction Standards at the time of installation, it no longer meets those standards as required by the UDO. Therefore, Moyock Commons Drive in its entirety (approximately 850’) must be improved to the current NCDOT Design

and Construction Standards or be accepted by NCDOT for maintenance prior to approval of the final plat.

INFRASTRUCTURE	
Water	Public
Sewer	Public
Transportation	Pedestrian: 5' concrete sidewalk along both sides of all streets
	External Street Connectivity: 3 connection points
Stormwater/Drainage	Drainage concerns have been noted in this area. The development will be constructed and maintained so that adjacent lands are not unreasonably burdened with surface waters as a result of the development. Among other things, the applicant is proposing improvements along E Street including a new culvert under Puddin Ridge Road to increase the drainage efficiency of Ditch #4 and small diameter stub pipes to drain ditches from 189 Pudding Ridge Road that would otherwise be blocked by the proposed pond outfall pipe.
Schools	Elementary Students Generated: 13.75
	Middle School Students Generate: 4.4
	High School Students Generated: 7.7
Design Standards	Per the conditional rezoning approval, all residential dwellings shall be constructed either with a crawl space or on raised slabs with a finished floor at least 16" above the outside ground grade.
Lighting	None proposed at this time.
Landscaping	The applicant is proposing compliant street trees, a Type A Buffer along the northern property line, and additional supplemental vegetation.
Recreation and Park Area Dedication	The county will be accepting a fee-in-lieu of parkland dedication. (Approximately $4,720)

RECOMMENDATIONS

TECHNICAL REVIEW COMMITTEE

The Technical Review Committee recommends adoption of the use permit and approval of the preliminary plat subject to the following conditions of approval:

1. The application complies with all applicable review standards of the UDO provided the following items are addressed:
    a. Please provide the wetland delineation approved by the Army Corps of Engineers. If the .08 acres of wetlands are to be filled, a Nationwide Permit issued by the US Army Corps of Engineers is necessary prior to filling any wetlands. (Planning)
    b. Since Moyock Commons Drive does not meet NCDOT Design and Construction Standards and is not under NCDOT maintenance, the entire Moyock Commons Drive (from the subject property line to Caratoke Highway – approximately 850') must be improved to meet current NCDOT Design and Construction Standards OR be accepted by NCDOT for maintenance prior to approval of the final plat. (Planning)
    c. Calculations and details of stormwater, sewer, and water will be reviewed at Construction Drawing submittal. (Engineering)

Attachment: Moyock Commons, P1, PP-UP BOC 3-20-17 (1822 : PB 13-12 Moyock Commons, Phase 1)

d. Provide accessible parking or passenger loading zone at Cluster Mailbox Unit (CMU) location and accessible route to the CMU. (Building Inspector)

2. The applicant demonstrates the proposed use will meet the use permit review standards of the UDO.
3. The conditions of approval necessary to ensure compliance with the review standards of the UDO and to prevent or minimize adverse effects of the development application on surrounding lands include:
   a. Please provide the wetland delineation approved by the Army Corps of Engineers. If the .08 acres of wetlands are to be filled, a Nationwide Permit issued by the US Army Corps of Engineers is necessary prior to filling any wetlands. If a fill permit is not issued, the wetland areas must be placed into a primary conservation area. (Planning)
   b. Since Moyock Commons Drive does not meet NCDOT Design and Construction Standards and is not under NCDOT maintenance, the entire Moyock Commons Drive (from the subject property line to Caratoke Highway – approximately 850') must be improved to meet current NCDOT Design and Construction Standards OR be accepted by NCDOT for maintenance prior to approval of the final plat. (Planning)
   c. That all conditions placed on the property through the conditional rezoning approval are incorporated into this request: (Planning)
      i. Minimum rear yard setback for all residential lots along the perimeter boundary shall be as shown on plan. These setbacks shall apply to all principal uses but shall not apply to fences or accessory structures. In no instance shall setbacks be less than allowed by the UDO.
      ii. Prior to any land disturbing activities within the development, the property owner shall conduct a tree inventory plan as required by Section 7.2 of the UDO. The purpose of said plan shall be to identify the number and location of any heritage trees present and the methods by which they will be preserved.
      iii. That an effort be made to work with the owner of the existing commercial shopping center to extend a sidewalk from the proposed development to the shopping center.
      iv. The property shall be developed in accordance with the Conceptual Development Plan dated December 26, 2013.
      v. On-street parking shall be prohibited by the provision of signage.
      vi. The location of rights-of-way, open space areas, setbacks, and stormwater management areas shall be as generally shown on the approved conceptual development plan.
      vii. The developer agrees that stormwater management for the improvements resulting from this application shall not exceed pre-developed discharge rates as allowed by ordinance. Such improvements shall be identified by means of a preliminary drainage impact study to be provided by the developer and approved by the county prior to submittal of the preliminary subdivision plat. As an alternative, at the developer's discretion, downstream improvements to include ditch regarding and cleaning, piping and the purchase of any required easements for the conveyance of stormwater may be accomplished in accordance with a county approved plan.
      viii. All residential dwellings shall be constructed either with crawl spaces or on raised slabs (finished floor at least 16 inches above outside ground grade).
      ix. The use of prefabricated structures or trailers as dwellings shall be strictly prohibited.

Attachment: Moyock Commons, P1, PP-UP BOC 3-20-17 (1822 : PB 13-12 Moyock Commons, Phase 1)

SURROUNDING PARCELS		
	Land Use	**Zoning**
North	Residential/Retail	SFM, AG, GB
South	Residential	SFM
East	Active Farmland/Undeveloped	AG
West	Residential	SFM

USE PERMIT REVIEW STANDARDS

A use permit shall be approved on a finding that the applicant demonstrates the proposed use will meet the below requirements. It is staff's opinion that the evidence in the record, prepared in absence of testimony presented at a public hearing, supports the preliminary findings

The use will not endanger the public health or safety.

Applicant Findings:

1. The project would not adversely affect public safety. In compliance with preliminary plat review comments from the Albemarle Regional Health Services approvals for wastewater treatment and disposal from the NC Division of Water Quality (Washington Office) and Moyock Regional Water System would be obtained prior to construction.
2. This project would not adversely affect public safety. All state and county approvals would be obtained prior to construction.

The use will not injure the value of adjoining or abutting lands and will be in harmony with the area in which it is located.

Applicant Findings:

1. Moyock Commons will not injure the value of abutting lands and will be in harmony with the area in which it is located.
2. Along the west boundary (boundary parallel to Puddin Ridge Road), the proposed development would be bordered by a rural residential unit located within the Moyock Sub-Area which fronts on Puddin Ridge Road. Within Moyock Commons, proposed Lake #1 and a 25-LF wide tree area combine to create an approximate 400-LF wide conservation area buffer against the residential unit.
3. Along the north-east boundary (boundary parallel to Route 168), the proposed development would be bordered by various uses consisting of 5-residential lots within the Moyock Sub-Area; and various parcels zoned general business which are used for retail and utility related operations with the Moyock sub-Area. Within Moyock Commons, proposed Lake #2 and a various width Type-A, Landscape Buffer would create a conservation area against the adjacent uses.
4. Along the east boundary, Moyock Commons would be bordered by active, agricultural property.
5. Along the south-east boundary (boundary parallel to Quail Run Road), the proposed development would be bordered by various uses consisting of dense forest and active, agricultural property. Within Moyock Commons, a Vegetated Farm Buffer is proposed along the active agricultural property.
6. Moyock Commons proposed ingress/egress is via extension of existing Moyock Commons Drive. A roadway connection to E Street is not permitted.

Attachment: Moyock Commons, P1, PP-UP BOC 3-20-17 (1822 : PB 13-12 Moyock Commons, Phase 1)

The use will be in conformity with the Land Use Plan or other officially adopted plans.

Applicant Findings:

1. Moyock Commons would be located within the Moyock Sub-Area. With respect to the Moyock Sub-Area, excerpts from the land use plan follow:
    a. The Moyock area is the fastest growing part of Currituck County. Development densities currently range from 1 to 3 units per acre depending upon development type. It is coming under increasing development pressure as a "bedroom community" for the Tidewater Area of Virginia.
    b. "…However, in areas where central sewer is proposed or existing, additional services are available and the character of the surrounding areas supports it, higher density ranging from 3-4 units per acre could be considered through the use of overlay zones.
    c. Clustered housing developments with open space required by ordinance will need to be encouraged.
2. For Moyock Commons, the relevant and supportive 2006 Land Use Plan policies are found to be as follows:
    a. POLICY HN1: Currituck County shall encourage development to occur at densities appropriate for the location.
    b. POLICY HN2: The county shall therefore engage alternatives to large lot developments though innovative development concepts and corresponding zoning techniques.
    c. POLIC HN3: Currituck County shall especially encourage two forms of residential development, each with the objective of avoiding traditional suburban sprawl:
        i. OPEN SPACE DEVELOPMENTS that cluster homes on less land, preserving permanently dedicated open space and often employ on-site or community sewage treatment. These types of developments are likely to occur primarily in the Conservation, Rural, and to a certain extent the Limited Service areas identified on the Land Use Map.
    d. POLICY HN8: To protect the county's tax base and to ensure the long-term viability of the county's neighborhoods and housing stock, the county will continue to enforce appropriate CONSTRUCTION AND SITE DEVELOPMENT STANDARDS for residential developments. Such standards may include, for example, that all homes have a permanent masonry foundation (except where flood levels require elevation) and a pitched roof and overhang, and that local roads must be built to meet NCDOT acceptance standards.
    e. POLICY TR8: Local streets shall be designed and built to allow for convenient CIRCULATION WITHIN AND BETWEEN NEIGHBORHOODS and to encourage mobility by pedestrians and bicyclists. Care shall be taken to encourage local street "connectivity" without creating opportunities for cut-through traffic from outside the connected areas
    f. POLICY TR12: New residential developments shall provide for the installation of PAVED PUBLIC ROADWAY AND DRAINAGE INFRASTRUCTURE at the time of development. This policy is intended to prevent the creation of substandard developments that must later correct for infrastructure problems that could have been avoided, had they been installed properly from the beginning.
    g. POLICY WS3: Currituck County endorses UTILITIES EXTENSION POLICIES that focus water and sewer services (1) within existing developed areas and in nearby targeted growth areas identified as Full Service and Limited Service areas, (2) where development densities would make the provision of all public services more efficient, (3) where the land is particularly well suited for development, and (4) away from environmentally sensitive areas.

Attachment: Moyock Commons, P1, PP-UP BOC 3-20-17 (1822 : PB 13-12 Moyock Commons, Phase 1)

h. POLICY PR6: All new residential development shall provide for ADEQUATE OPEN SPACE AND RECREATION IMPROVEMENTS including, as may be appropriate, funding in proportion to the demand created by the development. The amount of open space and improvements may be determined according to the number of dwelling units in the development and/or by a percentage of the total acreage in the development. Fees in lieu of land dedication shall be based on the inflation adjusted assessed value of the development or subdivision for property tax purposes.
i. POLICY WQ3: Currituck County supports policies, plans, and actions that help protect the water quality of the county's estuarine system by preventing SOIL EROSION AND SEDIMENTATION, and by controlling the quantity and quality of STORMWATER RUNOFF entering the estuary.
j. POLICY WQ4: RUNOFF AND DRAINAGE from development, forestry, and agricultural activities shall be of a quality and quantity as near to natural conditions as possible. Post-development runoff shall not exceed pre-development volumes.
k. POLICY WQ5: Development that preserves the NATURAL FEATURES OF THE SITE, including existing topography and significant existing vegetation, shall be encouraged. If COASTAL AND NON-COASTAL WETLANDS are considered part of the lot's acreage for the purpose of determining minimum lot size or development density, Low Impact Development techniques or appropriate buffers shall be integrated into the development. Open space developments shall be encouraged to REDUCE IMPERVIOUS SURFACE AREAS associated with new development and redevelopment.
l. POLICY WQ7: The environmental benefits of properly designed, VEGETATED ROADSIDE DRAINAGE SWALES shall be recognized. Curb and gutter shall be reserved to developments that are urban in character and that are served by adequate stormwater collection, retention, and slow release facilities.
m. POLICY CA6: To foster an improved community appearance, promote public safety, and help prevent service outages, the placement of UTILITY WIRES UNDERGROUND shall be encouraged in all public and private developments.

Preliminary Staff Findings

1. The plan is consistent with policies in the Moyock Small Area Plan including:
    a. POLICY FLU1: Promote compatibility between new development and existing development to avoid adverse impacts to the existing community. This is achieved through design, and includes larger setbacks, landscaped or forested strips, transition zones, fencing, screening, density and/or bulk step downs, or other architectural and site planning measures that encourage harmony.

The use will not exceed the county's ability to provide adequate public facilities, including, but not limited to: schools, fire and rescue, law enforcement, and other county facilities. Applicable state standards and guidelines shall be followed for determining when public facilities are adequate.

Applicant Findings:

1. Currituck County has adequate public facilities to serve the proposed subdivision.

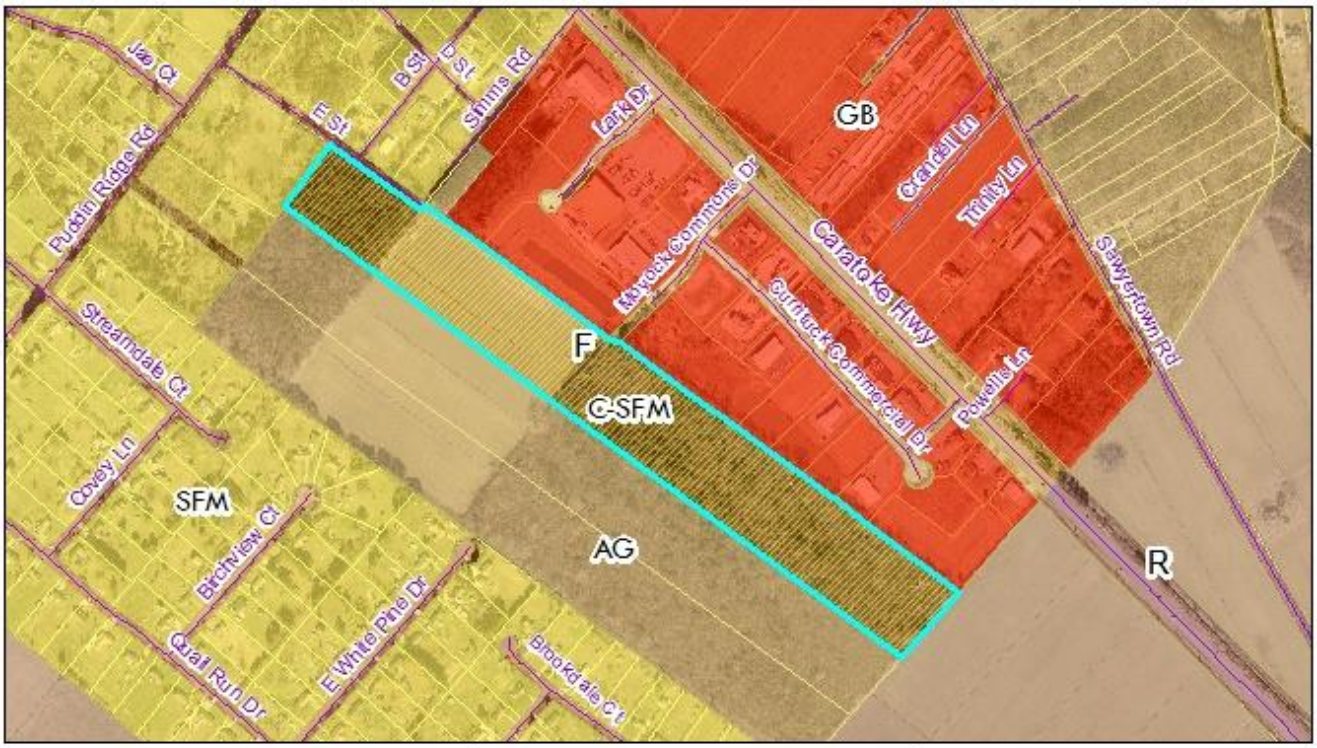
THE APPLICATION AND RELATED MATERIALS ARE AVAILABLE ON THE COUNTY'S WEBSITE
Board of Commissioners: www.co.currituck.nc.us/board-of-commissioners-minutes-current.cfm

Attachment: Moyock Commons, P1, PP-UP BOC 3-20-17 (1822 : PB 13-12 Moyock Commons, Phase 1)

PB 13-12 Moyock Commons, Phase 1
Preliminary Plat/Use Permit
Aerial Photography

0 300 600 1,200 Feet

Currituck County
Planning and
Community Development



PB 13-12 Moyock Commons, Phase 1
Preliminary Plat/Use Permit
Zoning

0 300 600 1,200 Feet

Currituck County
Planning and
Community Development

Attachment: Moyock Commons, P1, PP-UP BOC 3-20-17 (1822 : PB 13-12 Moyock Commons, Phase 1)

PB 13-12 Moyock Commons, Phase 1
Preliminary Plat/Use Permit
Land Use Plan Classification

0 300 600 1,200 Feet

Currituck County
Planning and
Community Development

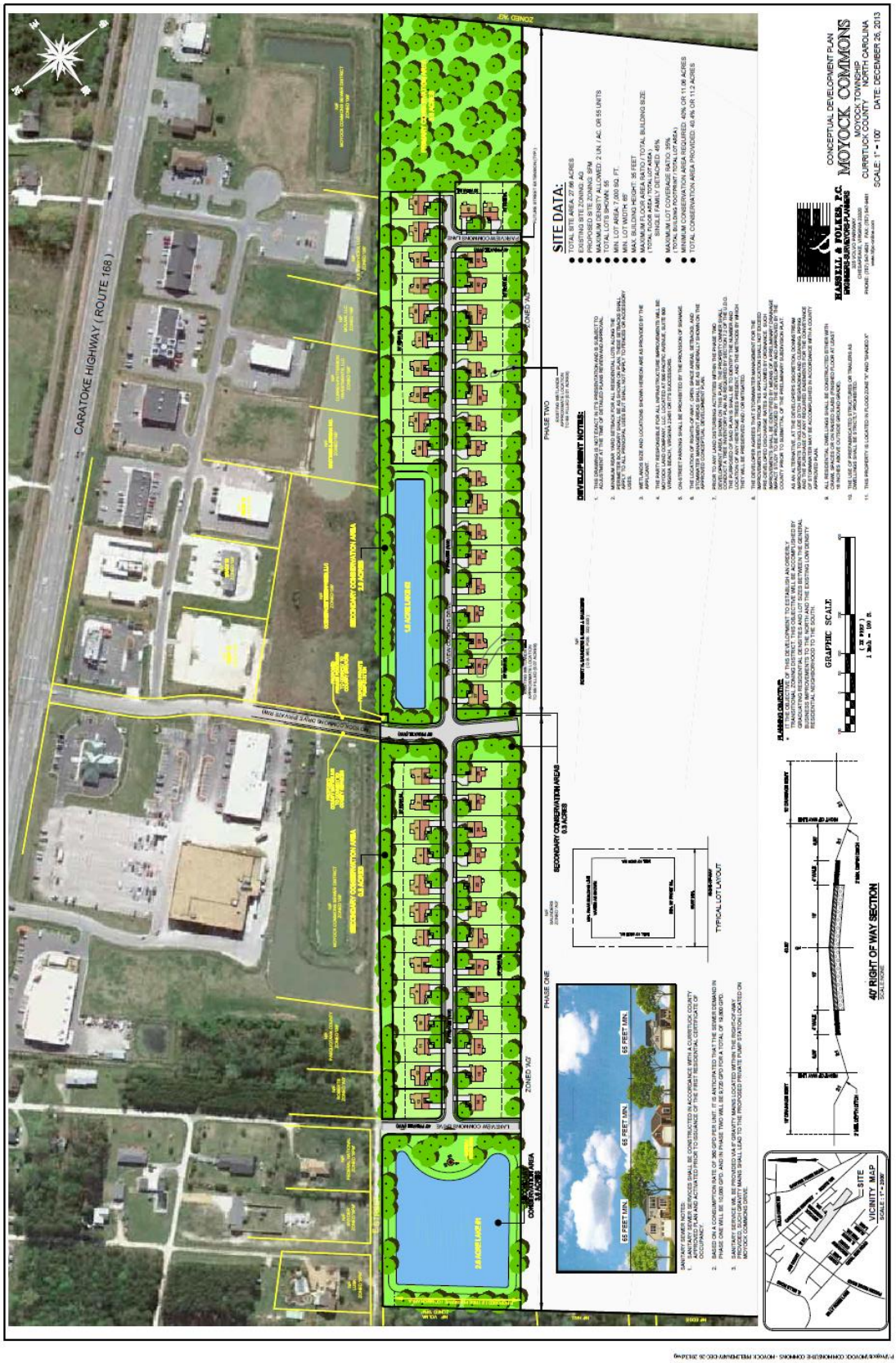
PB 13-12 Moyock Commons, Phase 1
Preliminary Plat/Use Permit
Moyock Small Area Plan Classification

0 300 600 1,200 Feet

Currituck County
Planning and
Community Development

Attachment: Moyock Commons, P1, PP-UP BOC 3-20-17 (1822 : PB 13-12 Moyock Commons, Phase 1)

APPROVED CONDITIONAL REZONING CONCEPTUAL PLAN



Attachment: Moyock Commons, P1, PP-UP BOC 3-20-17 (1822 : PB 13-12 Moyock Commons, Phase 1)

Attachment: moyockcommonsapp-17jan18 (1822 : PB 13-12 Moyock Commons, Phase 1)

Major Subdivision
Application

OFFICIAL USE ONLY:
Case Number: _____
Date Filed: _____
Gate Keeper: _____
Amount Paid: _____

Contact Information

APPLICANT:
Name: Stuart Bonnell
Address: 325 Volvo Parkway
Chesapeake, VA 23320
Telephone: 757-547-9531
E-Mail Address: stuart@hfpc-online.com

PROPERTY OWNER:
Name: Chip Friedman
Address: 3500 Virginia Beach Boulevard, Suite 600
Virginia Beach, VA 23452
Telephone: 757-715-8600
E-Mail Address: csfriedman1@gmail.com

LEGAL RELATIONSHIP OF APPLICANT TO PROPERTY OWNER: Professional Civil Engineer

Request

Physical Street Address: Moyock Commons Drive
Parcel Identification Number(s): 0015-000-0079-0000
Subdivision Name: Moyock Commons
Number of Lots or Units: 55
Phase: 2 Phases are proposed

TYPE OF SUBMITTAL

- ☐ Conservation and Development Plan
- ☐ Amended Sketch Plan/Use Permit
- ☒ Preliminary Plat (or amended)
  - ☐Type I OR ☒Type II
- ☐ Construction Drawings (or amended)
- ☐ Final Plat (or amended)

TYPE OF SUBDIVISION

- ☒ Traditional Development
- ☐ Conservation Subdivision
- ☐ Planned Unit Development
- ☐ Planned Development

Conditional District-Single Family Mainland

I hereby authorize county officials to enter my property for purposes of determining compliance with all applicable standards. All information submitted and required as part of this process shall become public record.

Property Owner(s)/Applicant*

12-20-16
Date

*NOTE: Form must be signed by the owner(s) of record, contract purchaser(s), or other person(s) having a recognized property interest. If there are multiple property owners/applicants a signature is required for each.

Community Meeting, if applicable

Date Meeting Held: 9-27-16
Meeting Location: County Library - Moyock

Attachment: moyockcommonsapp-17jan18 (1822 : PB 13-12 Moyock Commons, Phase 1)

Use Permit Review Standards, if applicable

PUD Amended Sketch Plan/Use Permit, Type II Preliminary Plat

Purpose of Use Permit and Project Narrative (please provide on additional paper if needed):

Construct 55 single family, residential lots in compliance with PB 13 -12 Moyock Commons - Conditional Rezoning

The applicant shall provide a response to the each one of the following issues. The Board of Commissioners must provide specific findings of fact based on the evidence submitted. All findings shall be made in the affirmative for the Board of Commissioners to issue the use permit.

A. The use will not endanger the public health or safety.

The property shall be developed in accordance with the Conceptual Development Plan dated December 26, 2013

The Currituck County Board of Commissioners approved the request for this conditional rezoning on March 17, 2014.

All County and State standards apply

B. The use will not injure the value of adjoining or abutting lands and will be in harmony with the area in which it is located.

Landscape buffers and Conservation areas are proposed in accordance with the Conceptual Development Plan dated December 26, 2013

C. The use will be in conformity with the Land Use Plan or other officially adopted plan.

The property shall be developed in accordance with the Conceptual Development Plan dated December 26, 2013

D. The use will not exceed the county's ability to provide adequate public facilities, including, but not limited to, schools, fire and rescue, law enforcement, and other county facilities. Applicable state standards and guidelines shall be followed for determining when public facilities are adequate.

The property shall be developed in accordance with the Conceptual Development Plan dated December 26, 2013

and the documented zoning conditions.

I, the undersigned, do certify that all of the information presented in this application is accurate to the best of my knowledge, information, and belief. Further, I hereby authorize county officials to enter my property for purposes of determining zoning compliance. All information submitted and required as part of this application process shall become public record.

Property Owner(s)/Applicant*

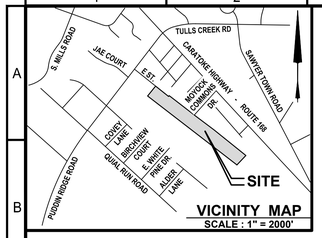
12-20-16

Date

***NOTE: Form must be signed by the owner(s) of record, contract purchaser(s), or other person(s) having a recognized property interest. If there are multiple property owners/applicants a signature is required for each.**

FOR PRELIMINARY PLAT REVIEW

OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
PHASE 1
TAX PARCEL ID#: 001500000790000
MOYOCK TOWNSHIP,
CURRITUCK COUNTY, NORTH CAROLINA
FEBRUARY, 2017



VICINITY MAP
SCALE : 1" = 2000'

COVER SHEET	C101
INDEX SHEET	C102
TOPOGRAPHY/ BOUNDARY SURVEY	C103
TOPOGRAPHY/ BOUNDARY SURVEY	C104
TOPOGRAPHY/ BOUNDARY SURVEY	C105
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN(PH.1)	C106
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN(PH.1)	C107
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN(PH.2)	C107B
DEMOLITION, EROSION & SEDIMENT CONTROL PLAN(PH.2)	C108
E&S PLAN DRAINAGE AREA MAP	C108B
OVERALL LAYOUT & PHASING SCHEDULE PLAN	C109
CONSTRUCTION PLAN	C110
CONSTRUCTION PLAN	C111
CONSTRUCTION PLAN	C112
CONSTRUCTION PLAN	C113
CONSTRUCTION PLAN	C114
CONSTRUCTION PLAN	C115
DRAINAGE AREA MAP	C116
PROFILES	C117
PROFILES	C118
NOTES & DETAILS	C119
NOTES & DETAILS	C120
NOTES & DETAILS	C121
NOTES & DETAILS	C122
LANDSCAPE PLAN	L101
LANDSCAPE PLAN	L102
LANDSCAPE NOTES & DETAILS	L103

NOTES:
1. PROJECT NAME: MOYOCK COMMONS

2. **PROPERTY DATA:**
   PIN #0015-000-0079-0000.
   RECORDED REFERENCES: D.B. 1048, PG. 274
   PROPERTY ZONING:
   CDSFM (CONDITIONAL DISTRICT- SINGLE FAMILY MAINLAND).

3. TOTAL AREA OF SITE: 27.341 AC.
   TOTAL AREA OF LOTS: 13.063 AC.
   MINIMUM LOT AREA: 7000 SQ. FT. OR 0.161 AC.
   MIN. LOT WIDTH: 65'
   MAXIMUM LOT COVERAGE RATIO: 35%
   FRONT BUILDING SETBACK: 30'
   SIDE BUILDING SETBACK: 10'
   REAR BUILDING SETBACK: VARIES (SEE PLAN)
   MAXIMUM DENSITY ALLOWED: 2 UN. / AC. OR 55 UNITS
   TOTAL NUMBER OF PROPOSED LOTS: 55
   TOTAL AREA OF RIGHT-OF-WAY: 3.061 AC.
   MINIMUM CONSERVATION AREA REQUIRED: 40% OR 10.94 ACRES
   TOTAL CONSERVATION AREA PROVIDED: 11.22 AC. (41.0%)
   PRIMARY CONSERVATION AREA: 3.50 AC.
   SECONDARY CONSERVATION AREA: 7.72 AC.
   TOTAL DISTURBED AREA: 22.790 AC.
   ONSITE DISTURBED AREA: 22.322 AC.
   OFFSITE DISTURBED AREA: 0.468 AC.

4. TOTAL IMPERVIOUS AREA = 7.06 AC.
   - HOUSES = 3.79 AC.
   - DRIVEWAYS/LOT WALKS = 0.80 AC.
   - ROADS = 1.75 AC.
   - R/W WALKS = 0.72 AC.

5. WETLANDS SIZE AND LOCATIONS SHOWN HEREON ARE AS PROVIDED BY THE APPLICANT.

6. THE PROPERTY APPEARS TO LIE IN ZONE 'X,' AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AND ZONE 'X'(SHADED), AREA OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD AS SCALED FROM COMMUNITY PANEL 372180 3100 J DATED DECEMBER 16, 2005 AND COMMUNITY PANEL 372180 2100 J DATED DECEMBER 16, 2005.

7. PROPOSED RIGHT-OF-WAY WIDTH: 50 FEET AND 40 FEET.
   PROPOSED PAVED ROADWAY WIDTH 30 FEET AND 20 FEET.

8. BOUNDARY TAKEN FROM RECENT GROUND SURVEY BY HASSELL & FOLKES P.C. AND FROM D.B. 1048, PG. 274 AS WELL AS RECORDED PLATS AND DEEDS OF THE SURROUNDING PROPERTIES.

9. ALL UTILITIES (INCLUDING, BUT NOT LIMITED TO: ELECTRIC POWER, TELEPHONE, GAS DISTRIBUTION, CABLE TELEVISION, POTABLE WATER, SEWER, ETC.) LOCATED OUTSIDE AN EXISTING STREET RIGHT-OF-WAY AND INTENDED TO SERVE NEW DEVELOPMENT SHALL BE UNDERGROUND. PER UDO SECTION 6.2.3.

10. WHENEVER A SUBDIVIDER INSTALLS OR CAUSES TO BE INSTALLED ANY UTILITY LINE IN ANY PUBLIC RIGHT-OF-WAY, THE SUBDIVIDER SHALL, AS SOON AS PRACTICABLE AFTER INSTALLATION IS COMPLETE, AND BEFORE ACCEPTANCE OF ANY WATER OR SEWER LINE, FURNISH THE COUNTY WITH A COPY OF A DRAWING THAT SHOWS THE EXACT LOCATION OF SUCH UTILITY LINES (PRIOR TO APPROVAL OF A FINAL PLAT). PER UDO SECTION 6.2.3.

SANITARY SEWER NOTES:
1. SANITARY SEWER SERVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH A CURRITUCK COUNTY APPROVED PLAN AND ACTIVATED PRIOR TO ISSUANCE OF THE FIRST RESIDENTIAL CERTIFICATE OF OCCUPANCY.

2. BASED ON A CONSUMPTION RATE OF 360 GPD PER UNIT. IT IS ANTICIPATED THAT THE SEWER DEMAND IN PHASE ONE WILL BE 10,080 GPD. AND IN PHASE TWO WILL BE 9,720 GPD FOR A TOTAL OF 19,800 GPD.

3. SANITARY SERVICE WIL BE PROVIDED VIA 8" GRAVITY MAINS LOCATED WITHIN THE RIGHT-OF-WAY PROVIDED. SUCH GRAVITY MAINS SHALL LEAD TO THE EXISTING PRIVATE PUMP STATION LOCATED ON MOYOCK COMMONS DRIVE.

PLANNING OBJECTIVE:
- IT THE OBJECTIVE OF THIS DEVELOPMENT TO ESTABLISH AN ORDERLY TRANSITIONAL ZONING DISTRICT. THIS OBJECTIVE WILL BE ACCOMPLISHED BY GRADUATING RESIDENTIAL DENSITIES AND LOT SIZES BETWEEN THE GENERAL BUSINESS IMPROVEMENTS TO THE NORTH AND THE EXISTING LOW DENSITY RESIDENTIAL NEIGHBORHOOD TO THE SOUTH.

STREET CONNECTIVITY INDEX SCORE = 2.67
(8 LINKS/3NODES)

DEVELOPER
MOYOCK LAND COMPANY, LLC.
MR. CHIP FRIEDMAN
CSFRIEDMAN1@GMAIL.COM
3500 VA. BEACH BLVD., SUITE 600
VIRGINIA BEACH, VIRGINIA 23452
PHONE: 757-718-8600 (CELL)

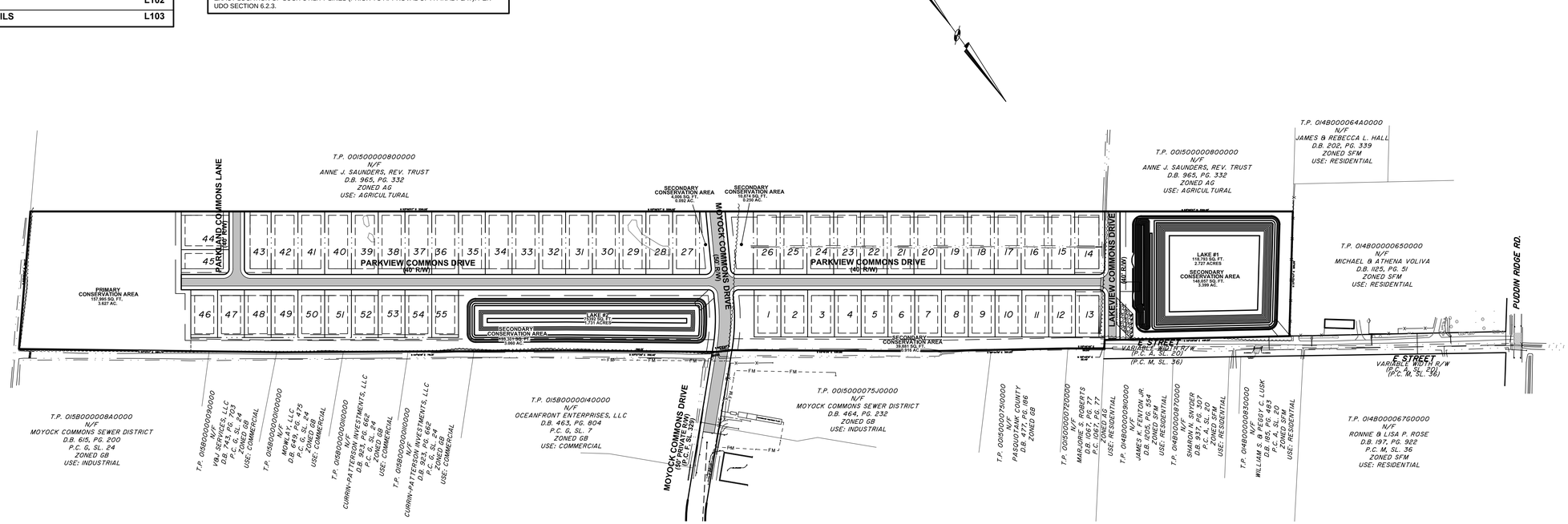
ZONING CONDITIONS:

FROM CURRITUCK COUNTY PLANNING AND COMMUNITY DEVELOPMENT CONDITIONAL REZONING APPROVAL LETTER DATED MARCH 18, 2014.

1. MINIMUM REAR YARD SETBACK FOR ALL RESIDENTIAL LOTS ALONG THE PERIMETER BOUNDARY SHALL BE AS SHOWN ON PLAN. THESE SETBACKS SHALL APPLY TO ALL PRINCIPAL USES BUT SHALL NOT APPLY TO FENCES OR ACCESSORY STRUCTURES. IN NO INSTANCE SHALL SETBACKS BE LESS THAN ALLOWED BY THE UDO.
2. PRIOR TO ANY LAND DISTURBING ACTIVITIES WITHIN THE DEVELOPMENT, THE PROPERTY OWNER SHALL CONDUCT A TREE INVENTORY PLAN AS REQUIRED BY SECTION 7.2 OF THE UDO. THE PURPOSE OF SAID PLAN SHALL BE TO IDENTIFY THE NUMBER AND LOCATION OF ANY HERITAGE TREES PRESENT AND THE METHODS BY WHICH THEY WILL BE PRESERVED.
3. THAT AN EFFORT BE MADE TO WORK WITH THE OWNER OF THE EXISTING COMMERCIAL SHOPPING CENTER TO EXTEND A SIDEWALK FROM THE PROPOSED DEVELOPMENT TO THE SHOPPING CENTER.
4. THE PROPERTY SHALL BE DEVELOPED IN ACCORDANCE WITH THE CONCEPTUAL DEVELOPMENT PLAN DATED DECEMBER 26, 2013.
5. ON-STREET PARKING SHALL BE PROHIBITED BY THE PROVISION OF SIGNAGE.
6. THE LOCATION OF RIGHTS-OF-WAY, OPEN SPACE AREAS, SETBACKS, AND STORMWATER MANAGEMENT AREAS SHALL BE AS GENERALLY SHOWN ON THE APPROVED CONCEPTUAL DEVELOPMENT PLAN.
7. THE DEVELOPER AGREES THAT STORMWATER MANAGEMENT FOR THE IMPROVEMENTS RESULTING FROM THIS APPLICATION SHALL NOT EXCEED PRE-DEVELOPED DISCHARGE RATES AS ALLOWED BY ORDINANCE. SUCH IMPROVEMENTS SHALL BE IDENTIFIED BY MEANS OF A PRELIMINARY DRAINAGE IMPACT STUDY TO BE PROVIDED BY THE DEVELOPER AND APPROVED BY THE COUNTY PRIOR TO SUBMITTAL OF THE PRELIMINARY SUBDIVISION PLAT. AS AN ALTERNATIVE, AT THE DEVELOPER'S DISCRETION, DOWNSTREAM IMPROVEMENTS TO INCLUDE DITCH REGARDING AND CLEANING, PIPING AND THE PURCHASE OF ANY REQUIRED EASEMENTS FOR THE CONVEYANCE OF STORMWATER MAY BE ACCOMPLISHED IN ACCORDANCE WITH A COUNTY APPROVED PLAN.
8. ALL RESIDENTIAL DWELLINGS SHALL BE CONSTRUCTED EITHER WITH CRAWL SPACES OR ON RAISED SLABS (FINISHED FLOOR AT LEAST 16 INCHES ABOVE OUTSIDE GROUND GRADE)
9. THE USE OF PREFABRICATED STRUCTURES OR TRAILERS AS DWELLINGS SHALL BE STRICTLY PROHIBITED.

LEGEND

EXISTING:	PROPOSED:	DESCRIPTION:
L.P.		LIGHT POLE
P.P.		POWER POLE
T.P.		TELEPHONE POLE
F.P.		FLAG POLE
M.B.		MAIL BOX
		LIGHT POST
G.P.		GUARD POST
		SIGN
		BARRICADE
		FENCE
CONC.		CONCRETE
F.H.	F.H.	FIRE HYDRANT
W.V.	W.V.	WATER VALVE
W.M.	W.M.	WATER METER
SAN. M.H.	SAN. M.H.	SANITARY MANHOLE
C.O.	C.O.	SANITARY CLEAN OUT
ELEC. M.H.		ELECTRICAL MANHOLE
STM. M.H.	ST. MH	STORM MANHOLE
TEL. M.H.		TELEPHONE MANHOLE
D.I.	D.I.	DROP INLET
M.D.I.	M.D.I.	MULTIPLE DROP INLET
C.B.	C.B.	CATCH BASIN
M.C.B.	M.C.B.	MULTIPLE CATCH BASIN
G.M.		GAS METER
G.V.		GAS VALVE
STACK		STORM PIPE
		SANITARY SEWER
T.C.B.		TRAFFIC CONTROL BOX
COMM.		COMMUNICATIONS WITNESS POST
TRANS.		TRANSFORMER
T		UNDERGROUND TELEPHONE CABLE
E		UNDERGROUND ELECTRIC CABLE
UGL		UNDERGROUND GAS LINE
OHE		OVERHEAD ELECTRIC WIRES
		SOIL BORING LOCATION
TREE	TREE	TREE



GRAPHIC SCALE
150 0 75 150 300 600
(IN FEET)
1 inch = 150 ft.

NOTIFY
Miss Utilities At
1-800-552-7001
or 811 For Location
of Existing Utilities

HASSELL & FOLKES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
325 VOLVO PARKWAY
CHESAPEAKE, VIRGINIA 23320
PHONE: (757) 547-9533 FAX: (757) 547-9461
www.hfpc-online.com

Project No.	13-05
Date	02/15/201
Scale	1" = 15(
Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

NORTH CAROLINA PROFESSIONAL ENGINEER STUART W. BONNELL 02-15-2017 019907

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
COVER SHEET
TAX PARCEL 001500000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C101

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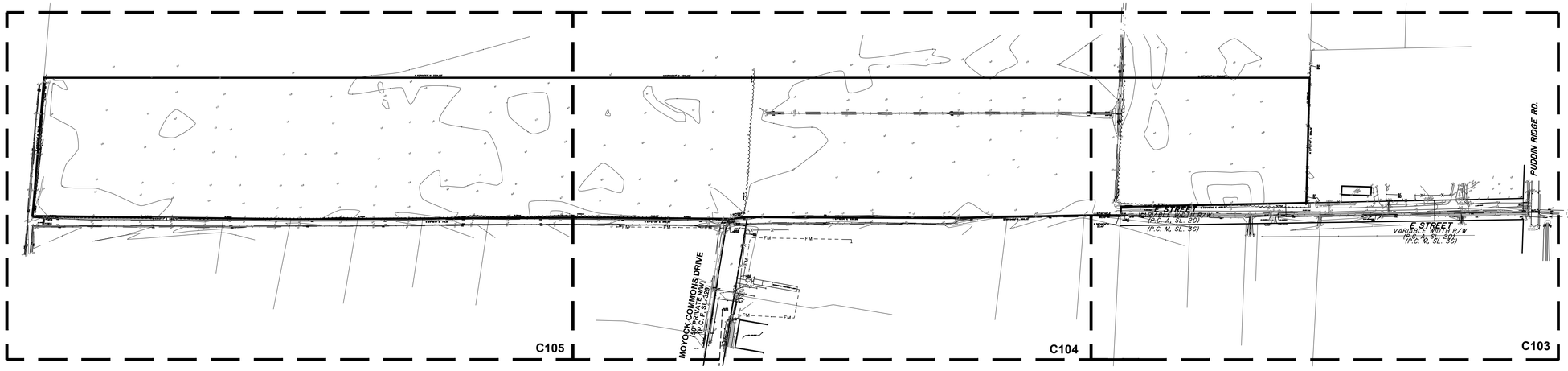
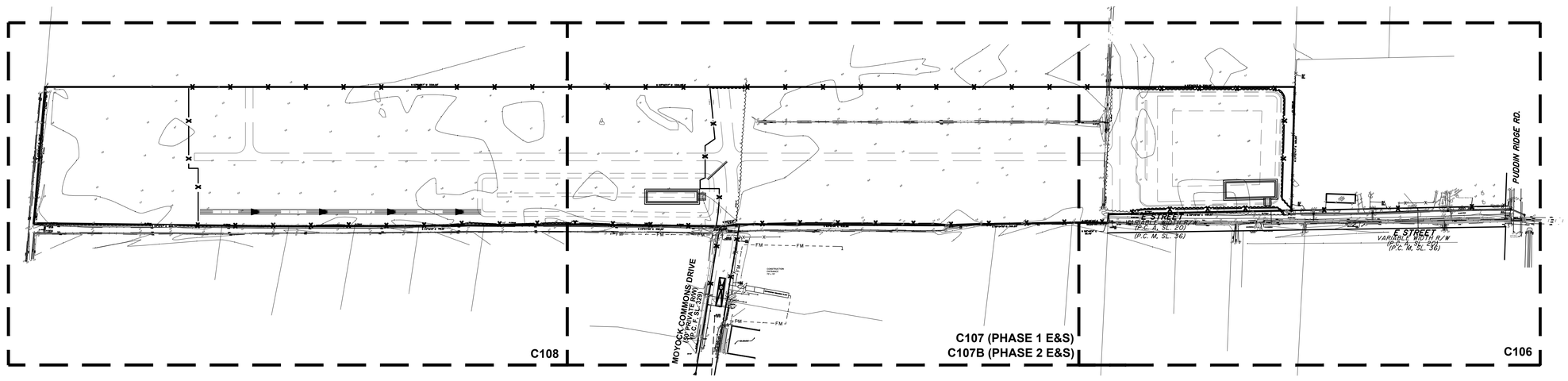
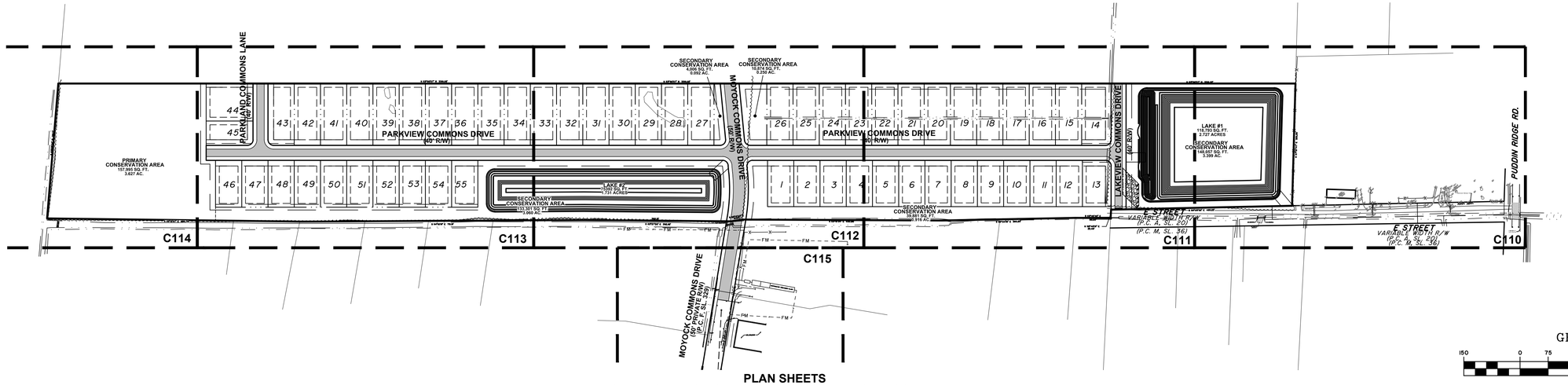
Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)



TOPOGRAPHIC SHEETS



DEMOLISION AND EROSION & SEDIMENT CONTROL SHEETS



PLAN SHEETS
(SEE SHEET C109 FOR OVERALL LAYOUT & PHASING SCHEDULE PLAN)

GRAPHIC SCALE
150 0 75 150 300 600
(IN FEET)
1 inch = 150 ft.

NOTIFY
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www.hfpc-online.com

Project No.	13-05
Date	02/15/201
Scale	1" = 15(
Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

NORTH CAROLINA
PROFESSIONAL
STUART W. BONNELL
ENGINEER
02-15-2017
019907

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
INDEX SHEET
TAX PARCEL 001500000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C102

Attachment: MC SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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www.hfpc-online.com

Project No.	13-05
Date	02/15/201
Scale	1" = 5
Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

NORTH CAROLINA
PROFESSIONAL
STUART W. BONNELL
ENGINEER
02-15-2017
019907

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
TOPOGRAPHY/ BOUNDARY SURVEY
TAX PARCEL 001500000790000
MOYOCK TOWNSHIP
SUBDIVISION, COUNTY, NORTH CAROLINA

C103

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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MATCHLINE - SEE SHEET C104

T.P. 001500000800000
N/F
ANNE J. SAUNDERS, REV. TRUST
D.B. 965, PG. 332
ZONED AG

N 53°56'57" W 3301.02'

EX. 5' SPLIT RAIL FENCE

EX. TREELINE

INV 4.40
EX. 24" RCP

T.P. 001500000790000
N/F
MOYOCK LAND COMPANY, LLC
D.B. 1048, PG. 274
ZONED CD-SFM
27.34 ACRES

N 37°37'47" E 326.26'

T.P. 0148000000650000
N/F
MICHAEL & ATHENA VOLIVA
D.B. 1125, PG. 51
ZONED SFM

E STREET
VARIABLE WIDTH R/W
P.C. M, SL. 361

EX. DIRT ROAD

S 55°09'36" E 483.22'

S 53°45'45" E 95.00'

N 38°48'15" E 22.48'

INV 5.56

EX. 12" CORRUGATED PIPE

INV 4.59

EX. HEADWALL

EX. GRAVEL DRIVEWAY

EX. 22" IRON PIPE

EX. 18" CORRUGATED PIPE

INV 5.05
EX. 18" ST. PVC

INV 4.79

EX. MTG. COR. METAL

EXIST'G 8" PVC WATER

PUDDIN RIDGE RD.

T.P. 001500000720000
N/F
MARJORIE S. ROBERTS
D.B. 1067, PG. 77
P.C. 1067, PG. 77
ZONED AG

T.P. 0148000009100000
N/F
JAMES K. FENTON JR.
D.B. 1205, PG. 554
ZONED GB

T.P. 0148000008700000
N/F
SHARON N. SNYDER
D.B. 937, PG. 307
P.C. A, SL. 20
ZONED GB

T.P. 0148000008300000
N/F
WILLIAM S. & PEGGY C. LUSK
D.B. 185, PG. 483
P.C. A, SL. 20
ZONED SFM

T.P. 0148000067G0000
N/F
RONNIE & LISA P. ROSE
D.B. 197, PG. 922
P.C. M, SL. 36
ZONED SFM

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

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of Existing Utilities

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Scale	1" = 5
Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

NORTH CAROLINA
PROFESSIONAL ENGINEER
STUART W. BONNELL
02-15-2017
019907

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
TOPOGRAPHY/ BOUNDARY SURVEY
TAX PARCEL 00150000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C104

MATCHLINE - SEE SHEET C105

MATCHLINE - SEE SHEET C103

N 53°56'57" W 330l.02'

PROTECT EXISTING WETLANDS UNTIL WETLANDS IMPACT PERMIT HAS BEEN ACQUIRED BY OWNER

T.P. 00l5000008000000
N/F
ANNE J. SAUNDERS, REV. TRUST
D.B. 965, PG. 332
ZONED AG

T.P. 00l5000007900000
N/F
MOYOCK LAND COMPANY, LLC
D.B. 1048, PG. 274
ZONED CD-SFM
27.34 ACRES

T.P. 015B000001400000
N/F
OCEANFRONT ENTERPRISES, LLC
D.B. 463, PG. 804
P.C. G, SL. 7
ZONED GB

T.P. 00l5000075J0000
N/F
MOYOCK COMMONS SEWER DISTRICT
D.B. 464, PG. 232
ZONED GB

T.P. 00l5000075l0000
N/F
PASQUOTANK COUNTY
D.B. 477, PG. 186
ZONED GB

T.P. 00l5000007200000
N/F
MARJORIE S. ROBERTS
D.B. 1067, PG. 77
P.C. 1067, PG. 77
ZONED AG

MOYOCK COMMONS DRIVE
(50' PRIVATE R/W)
(P.C. F, SL. 329)

WASTEWATER TREATMENT PLANT

EX. BUILDING

EX. SSMH
RIM 8.70
INV -l.9

EX. 4" CHAINLINK FENCE

EX. 4' CHAINLINK FENCE

101 EX. 18" CORRUGATED PLASTIC PIPES

EX. TREELINE

S 62°13'43" E 31.53'

S 53°27'26" E 392.52'

S 53°41'04" E 530.66'

S 55°04'16" E 355.83'

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

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T.P. 00I500000800000
N/F
ANNE J. SAUNDERS, REV. TRUST
D.B. 965, PG. 332
ZONED AG

N 53°56'57" W 330I.02'

PROTECT EXISTING WETLANDS UNTIL WETLANDS IMPACT PERMIT HAS BEEN ACQUIRED BY OWNER

T.P. 00I500000800000
N/F
LINDSAY FARMS HOLDINGS, LLC
D.B. 1355, PG. 624
ZONED AG

T.P. 00I500000790000
N/F
MOYOCK LAND COMPANY, LLC
D.B. 1048, PG. 274
ZONED CD-SFM
27.34 ACRES

MATCHLINE - SEE SHEET C104

EX. PUMP MH RIM 4.99

EX. CONC.

EX. PUMP MH RIM 5.02

EX. TREELINE

T.O.B.

T.O.S.

S 53°13'57" E 680.79'

S 54°16'19" E 751.91'

T.P. 015B000009A0000
N/F
MOYOCK COMMONS SEWER DISTRICT
D.B. 615, PG. 200
P.C. G, SL. 24
ZONED GB

T.P. 015B000000090000
N/F
VBJ SERVICES, LLC
D.B. 743, PG. 703
P.C. G, SL. 24
ZONED GB

T.P. 015B000000100000
N/F
MOWLAY, LLC
D.B. 649, PG. 475
P.C. G, SL. 24
ZONED GB

T.P. 015B000000110000
N/F
CURRIN-PATTERSON INVESTMENTS, LLC
D.B. 923, PG. 662
P.C. G, SL. 24
ZONED GB

T.P. 015B000000110000
N/F
CURRIN-PATTERSON INVESTMENTS, LLC
D.B. 923, PG. 662
P.C. G, SL. 24
ZONED GB

T.P. 015B000000140000
N/F
OCEANFRONT ENTERPRISES, LLC
D.B. 463, PG. 804
P.C. G, SL. 7
ZONED GB

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
STUART W. BONNELL
02-15-2017
019907

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
TOPOGRAPHY/ BOUNDARY SURVEY
TAX PARCEL 00150000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C105

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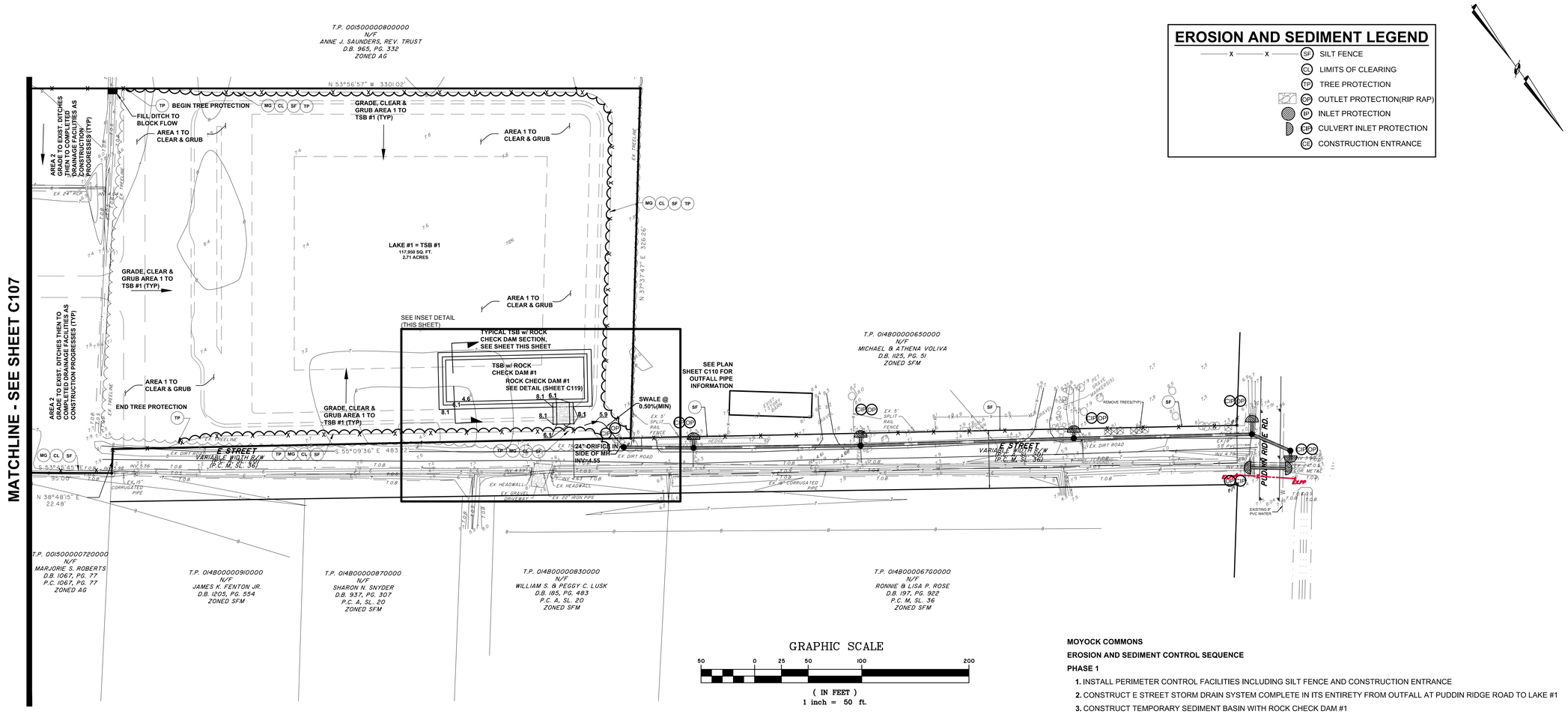
Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)



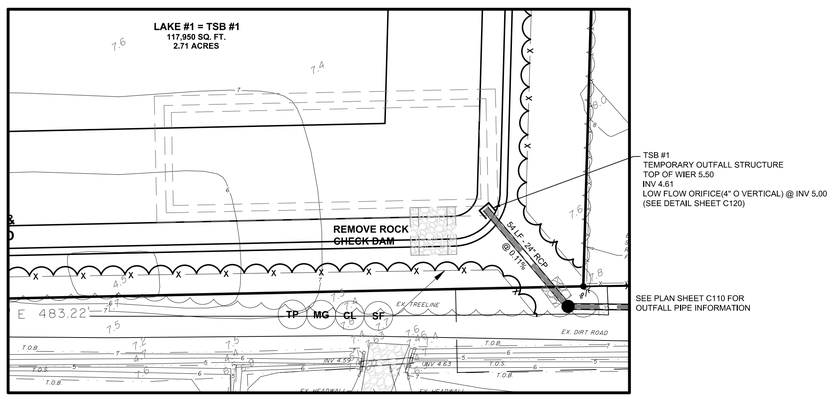
EROSION AND SEDIMENT LEGEND

- SF — SILT FENCE
- CL — LIMITS OF CLEARING
- TP — TREE PROTECTION
- OP — OUTLET PROTECTION(RIP RAP)
- IP — INLET PROTECTION
- CIP — CULVERT INLET PROTECTION
- CE — CONSTRUCTION ENTRANCE

GRAPHIC SCALE

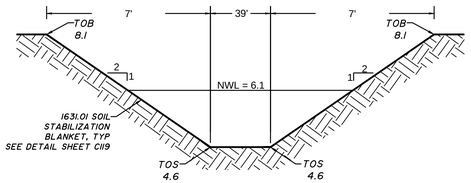
50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



INSET DETAIL FOR TSB#1 COMPLETION

SCALE: 1" = 30'



TSB w/ ROCK CHECK DAM #1 - TYPICAL SECTION

SCALE: NONE

MOYOCK COMMONS

EROSION AND SEDIMENT CONTROL SEQUENCE

PHASE 1

1. INSTALL PERIMETER CONTROL FACILITIES INCLUDING SILT FENCE AND CONSTRUCTION ENTRANCE
2. CONSTRUCT E STREET STORM DRAIN SYSTEM COMPLETE IN ITS ENTIRETY FROM OUTFALL AT PUDDIN RIDGE ROAD TO LAKE #1
3. CONSTRUCT TEMPORARY SEDIMENT BASIN WITH ROCK CHECK DAM #1
4. CLEAR AND GRUB AREA 1 AND GRADE AREA 1 TO TSB WITH ROCK CHECK DAM #1
5. CONSTRUCT LAKE #1 AND USE AS TEMPORARY SEDIMENT BASIN (TSB #1)
6. FILL DITCH WHERE INDICATED AT SOUTH CORNER OF CLEAR AND GRUB AREA 1
7. INSTALL PORTION OF STORM DRAIN FACILITIES TO DRAIN PHASE 1 TO TSB #1
8. INSTALL SOIL MATTING ON ALL DITCHES AS CONSTRUCTION OF DRAINAGE FACILITIES PROGRESS
9. INSTALL INLET AND OUTLET PROTECTION AS CONSTRUCTION OF DRAINAGE FACILITIES PROGRESS
10. CLEAR AND GRUB AREA 2 AND GRADE AREA 2 TO EXISTING DITCH
11. INSTALL REMAINING STORM DRAIN FACILITIES
12. BEGIN LOT GRADING AND ALL PROPOSED UTILITIES
13. GRADE PHASE 1 CONSTRUCTION TO COMPLETED STORM DRAIN FACILITIES AND TSB
14. ADD TEMPORARY SEEDING TO STABILIZE GRADED SURFACES.
15. COMPLETE LOT GRADING
16. CONSTRUCT TEMPORARY DROP INLET #1-4
17. FINISH GRADING/TOPSOILING/SEEDING.
18. INSTALL LANDSCAPING.

PHASE 2

1. INSTALL PERIMETER CONTROL FACILITIES INCLUDING SILT FENCE.
2. CLEAR AND GRUB MINIMUM PORTION OF AREA #3 FOR CONSTRUCTING TEMPORARY SEDIMENT BASIN WITH ROCK CHECK DAM #2
3. REMOVE TEMPORARY INLET #1-4
4. CONSTRUCT TEMPORARY SEDIMENT BASIN WITH ROCK CHECK DAM #2
5. CLEAR AND GRUB MINIMUM PORTION OF AREA 3 FOR CONSTRUCTING LAKE #2 AND PROPOSED DITCH TO LAKE #2
6. INSTALL SOIL MATTING ON ALL DITCHES AS CONSTRUCTION OF DRAINAGE FACILITIES PROGRESS
7. INSTALL INLET AND OUTLET PROTECTION AS CONSTRUCTION OF DRAINAGE FACILITIES PROGRESS
8. CLEAR AND GRUB REMAINDER OF AREA 3
9. GRADE PHASE 2 TO PROPOSED DITCH AND LAKE #2
10. INSTALL STORM DRAIN FACILITIES TO DRAIN PHASE 2 TO LAKE #2
11. BEGIN LOT GRADING AND ALL PROPOSED UTILITIES
12. GRADE PHASE 2 CONSTRUCTION TO COMPLETED STORM DRAIN FACILITIES AND LAKE #2
13. ADD TEMPORARY SEEDING TO STABILIZE GRADED SURFACES.
14. COMPLETE LOT GRADING
15. CONSTRUCT ROADWAY AND UTILITIES.
16. FINISH GRADING/TOPSOILING/SEEDING.
17. INSTALL LANDSCAPING.

NOTIFY
Miss Utilities At
1-800-552-7001
or 811 For Location
of Existing Utilities

HASSELL & FOLKES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
325 VOLVO PARKWAY
CHESAPEAKE, VIRGINIA 23320
PHONE: (757) 547-9533 FAX: (757) 547-9461
www.hfpc-online.com

Project No.	13-05
Date	02/15/201
Scale	AS SHOW
Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
STUART W. BONNELL
02-15-2017
019907

CONSTRUCTION PLAN OF
OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
DEMOLITION, EROSION, &
SEDIMENT CONTROL PLAN (PHASE 1)
TAX PARCEL 00150000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C106

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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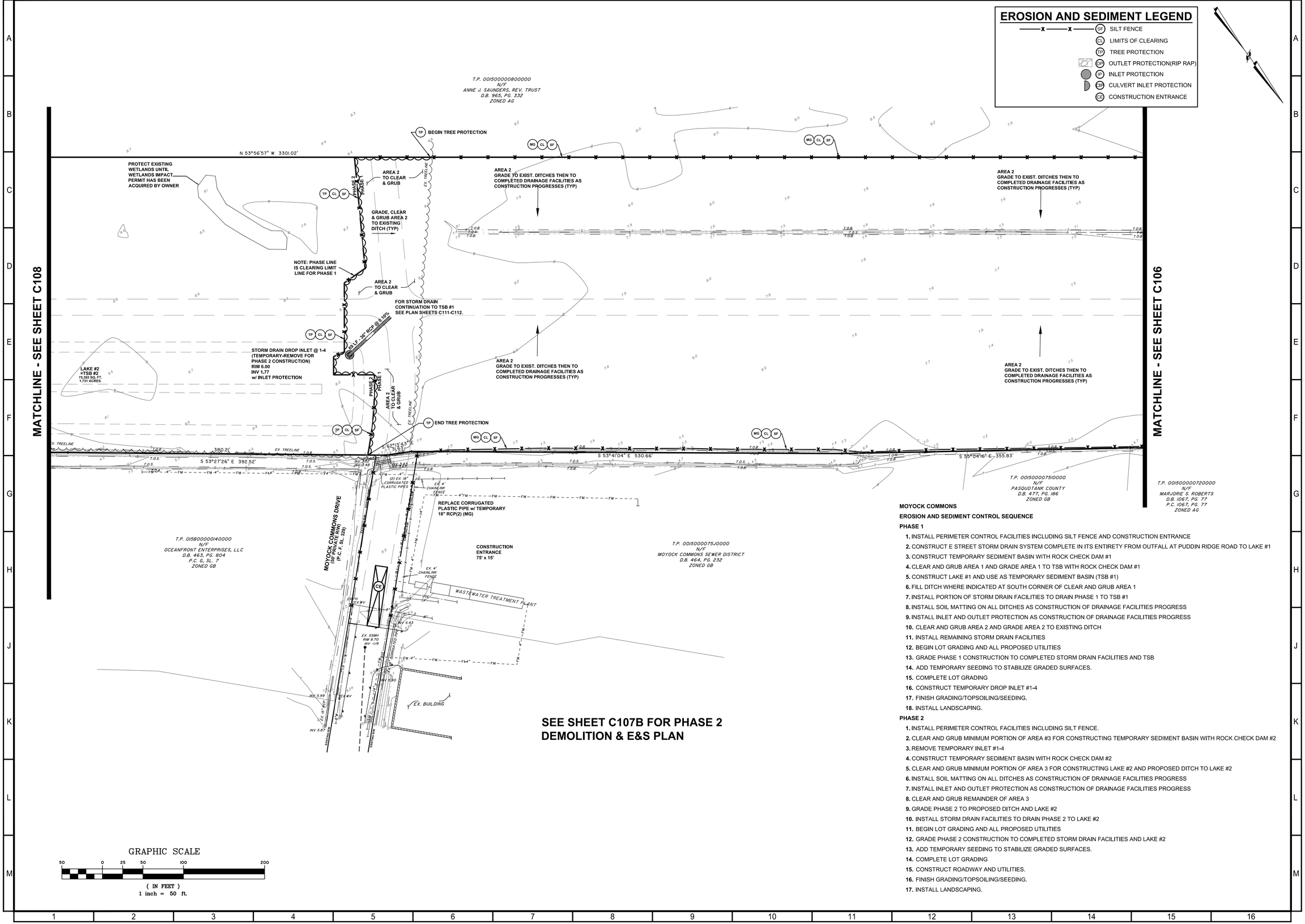

MOYOCK COMMONS

EROSION AND SEDIMENT CONTROL SEQUENCE

PHASE 1

1. INSTALL PERIMETER CONTROL FACILITIES INCLUDING SILT FENCE AND CONSTRUCTION ENTRANCE
2. CONSTRUCT E STREET STORM DRAIN SYSTEM COMPLETE IN ITS ENTIRETY FROM OUTFALL AT PUDDIN RIDGE ROAD TO LAKE #1
3. CONSTRUCT TEMPORARY SEDIMENT BASIN WITH ROCK CHECK DAM #1
4. CLEAR AND GRUB AREA 1 AND GRADE AREA 1 TO TSB WITH ROCK CHECK DAM #1
5. CONSTRUCT LAKE #1 AND USE AS TEMPORARY SEDIMENT BASIN (TSB #1)
6. FILL DITCH WHERE INDICATED AT SOUTH CORNER OF CLEAR AND GRUB AREA 1
7. INSTALL PORTION OF STORM DRAIN FACILITIES TO DRAIN PHASE 1 TO TSB #1
8. INSTALL SOIL MATTING ON ALL DITCHES AS CONSTRUCTION OF DRAINAGE FACILITIES PROGRESS
9. INSTALL INLET AND OUTLET PROTECTION AS CONSTRUCTION OF DRAINAGE FACILITIES PROGRESS
10. CLEAR AND GRUB AREA 2 AND GRADE AREA 2 TO EXISTING DITCH
11. INSTALL REMAINING STORM DRAIN FACILITIES
12. BEGIN LOT GRADING AND ALL PROPOSED UTILITIES
13. GRADE PHASE 1 CONSTRUCTION TO COMPLETED STORM DRAIN FACILITIES AND TSB
14. ADD TEMPORARY SEEDING TO STABILIZE GRADED SURFACES.
15. COMPLETE LOT GRADING
16. CONSTRUCT TEMPORARY DROP INLET #1-4
17. FINISH GRADING/TOPSOILING/SEEDING.
18. INSTALL LANDSCAPING.

PHASE 2

1. INSTALL PERIMETER CONTROL FACILITIES INCLUDING SILT FENCE.
2. CLEAR AND GRUB MINIMUM PORTION OF AREA #3 FOR CONSTRUCTING TEMPORARY SEDIMENT BASIN WITH ROCK CHECK DAM #2
3. REMOVE TEMPORARY INLET #1-4
4. CONSTRUCT TEMPORARY SEDIMENT BASIN WITH ROCK CHECK DAM #2
5. CLEAR AND GRUB MINIMUM PORTION OF AREA 3 FOR CONSTRUCTING LAKE #2 AND PROPOSED DITCH TO LAKE #2
6. INSTALL SOIL MATTING ON ALL DITCHES AS CONSTRUCTION OF DRAINAGE FACILITIES PROGRESS
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9. GRADE PHASE 2 TO PROPOSED DITCH AND LAKE #2
10. INSTALL STORM DRAIN FACILITIES TO DRAIN PHASE 2 TO LAKE #2
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MARK	REVISION	DATE	APPR.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 019907 STUART W. BONNELL 02-15-2017

CONSTRUCTION PLAN OF MAJOR SUBDIVISION FOR **MOYOCK COMMONS** DEMOLITION, EROSION, & SEDIMENT CONTROL PLAN (PHASE 1)
TAX PARCEL 0015000007900000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C107

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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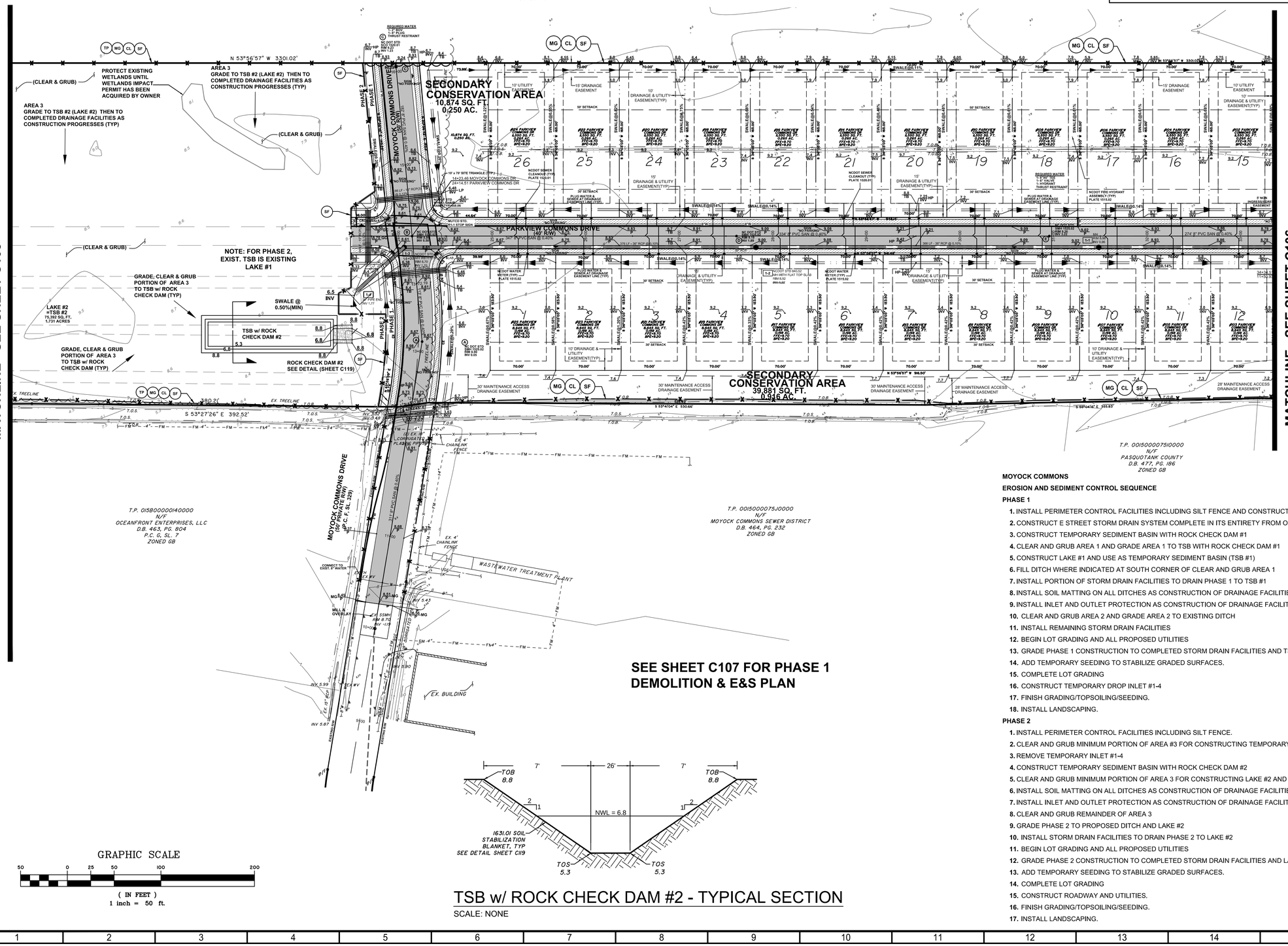
EROSION AND SEDIMENT LEGEND

- SF — SILT FENCE
- CL — LIMITS OF CLEARING
- TP — TREE PROTECTION
- OP — OUTLET PROTECTION(RIP RAP)
- IP — INLET PROTECTION
- CIP — CULVERT INLET PROTECTION
- CE — CONSTRUCTION ENTRANCE



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

TSB w/ ROCK CHECK DAM #2 - TYPICAL SECTION

SCALE: NONE

MOYOCK COMMONS

EROSION AND SEDIMENT CONTROL SEQUENCE

PHASE 1

1. INSTALL PERIMETER CONTROL FACILITIES INCLUDING SILT FENCE AND CONSTRUCTION ENTRANCE
2. CONSTRUCT E STREET STORM DRAIN SYSTEM COMPLETE IN ITS ENTIRETY FROM OUTFALL AT PUDDIN RIDGE ROAD TO LAKE #1
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10. CLEAR AND GRUB AREA 2 AND GRADE AREA 2 TO EXISTING DITCH
11. INSTALL REMAINING STORM DRAIN FACILITIES
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14. ADD TEMPORARY SEEDING TO STABILIZE GRADED SURFACES.
15. COMPLETE LOT GRADING
16. CONSTRUCT TEMPORARY DROP INLET #1-4
17. FINISH GRADING/TOPSOILING/SEEDING.
18. INSTALL LANDSCAPING.

PHASE 2

1. INSTALL PERIMETER CONTROL FACILITIES INCLUDING SILT FENCE.
2. CLEAR AND GRUB MINIMUM PORTION OF AREA #3 FOR CONSTRUCTING TEMPORARY SEDIMENT BASIN WITH ROCK CHECK DAM #2
3. REMOVE TEMPORARY INLET #1-4
4. CONSTRUCT TEMPORARY SEDIMENT BASIN WITH ROCK CHECK DAM #2
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Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 019907 STUART W. BONNELL 02-15-2017

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
DEMOLITION, EROSION, & SEDIMENT CONTROL PLAN (PHASE 2)
TAX PARCEL 0015000000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C107B

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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EROSION AND SEDIMENT LEGEND

- SF — SILT FENCE
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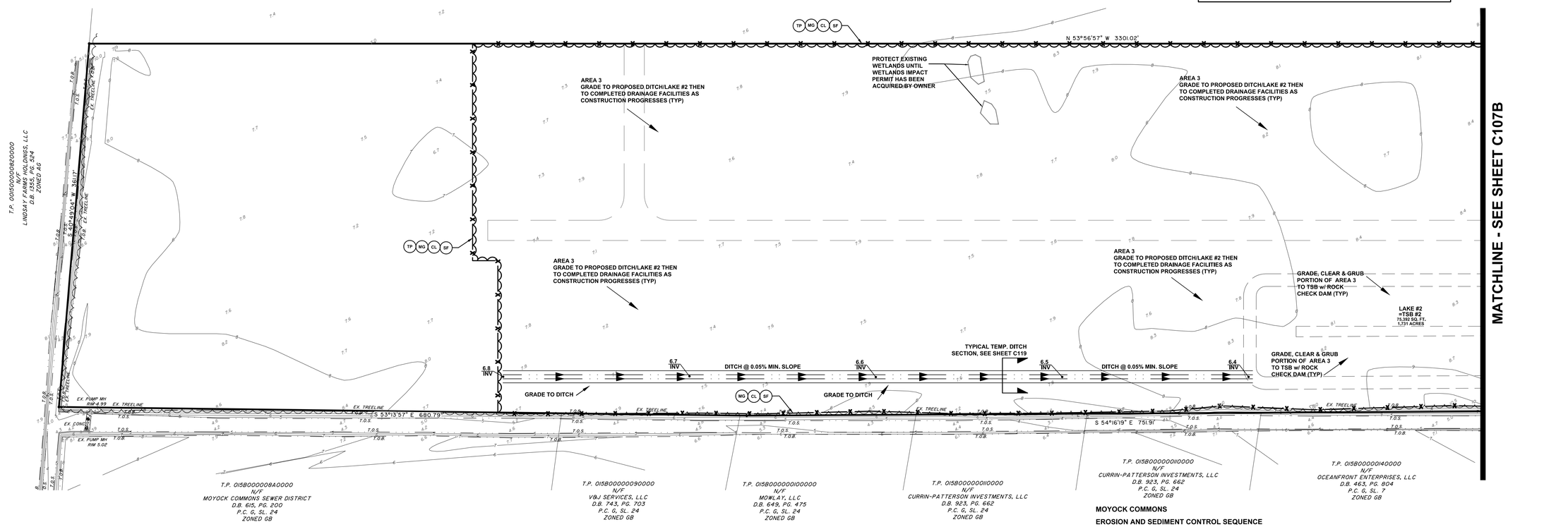

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft.

MOYOCK COMMONS

EROSION AND SEDIMENT CONTROL SEQUENCE

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18. INSTALL LANDSCAPING.

PHASE 2

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2. CLEAR AND GRUB MINIMUM PORTION OF AREA #3 FOR CONSTRUCTING TEMPORARY SEDIMENT BASIN WITH ROCK CHECK DAM #2
3. REMOVE TEMPORARY INLET #1-4
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Scale	1" = 5
Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

NORTH CAROLINA PROFESSIONAL ENGINEER STUART W. BONNELL 02-15-2017 019907

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
DEMOLITION, EROSION, &
SEDIMENT CONTROL PLAN (PHASE 2)
TAX PARCEL 0015000007900 0
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C108

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Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

MATCHLINE - SEE THIS SHEET

PROTECT EXISTING WETLANDS UNTIL WETLANDS IMPACT PERMIT HAS BEEN ACQUIRED BY OWNER

PROTECT EXISTING WETLANDS UNTIL WETLANDS IMPACT PERMIT HAS BEEN ACQUIRED BY OWNER

DRAINAGE AREA 3-2 TO TSB #2

DRAINAGE AREA 2 TO TSB #1

DRAINAGE AREA 1 TO TSB w/ ROCK CHECK DAM #1

DRAINAGE AREA 3 TO TSB #2

DRAINAGE AREA 3-1 TO TSB w/ ROCK CHECK DAM #2

DRAINAGE AREA 2 TO TSB #1

DRAINAGE AREA 1 TO TSB w/ ROCK CHECK DAM #1

DRAINAGE AREA 1 TO TSB w/ ROCK CHECK DAM #1

DRAINAGE AREA 3-2 TO TSB #2
TSB #2
A = 10.83 AC. (8.75 AC.+2.07 AC.)
C = 0.84
TIME = 20-MIN
10-YR RUNOFF = 34.5-CFS
10-YR INTENSITY = 4.70

TSB DRAINAGE AREA 3-1 W/ ROCK CHECK DAM #2
A = 2.07 AC.
C = 0.84
TIME = 15-MIN
10-YR RUNOFF = 9.18-CFS
10-YR INTENSITY = 5.28

LAKE #2 = TSB #2

TSB w/ ROCK CHECK DAM #2

PHASE 2
PHASE 1

PHASE 1
CLEARING/GRUBBING LIMIT
GRADING/DRAINAGE LIMIT
ROADWAY CONSTRUCTION LIMIT

DRAINAGE AREA 2 TO TSB #1
TSB #1
A = 11.82 AC. (8.08 AC.+3.73AC.)
C = 0.84
TIME = 23-MIN
2-YR INTENSITY = 3.43
2-YR RUNOFF = 25.76-CFS
10-YR RUNOFF = 34.16-CFS
10-YR INTENSITY = 4.55

DRAINAGE AREA 1 TO TSB w/ ROCK CHECK DAM #1

LAKE 1 = TSB #1

TSB w/ ROCK CHECK DAM #1
A = 3.73 AC.
C = 0.84
TIME=15-MIN
10-YR RUNOFF = 16.45-CFS
10-YR INTENSITY = 5.28

TSB w/ ROCK CHECK DAM #1

MOYOCK COMMONS DRIVE (PRIVATE R/W) (P.C. F. 32, 229)

CONSTRUCTION ENTRANCE 75' x 15'

MATCHLINE - SEE THIS SHEET

EROSION & SEDIMENT CONTROL DRAINAGE AREA LINE

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

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NORTH CAROLINA PROFESSIONAL ENGINEER STUART W. BONNELL 02-15-2017 019907

CONSTRUCTION PLAN OF
OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
EROSION & SEDIMENT CONTROL
DRAINAGE AREA MAP
TAX PARCEL 001500000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C108B

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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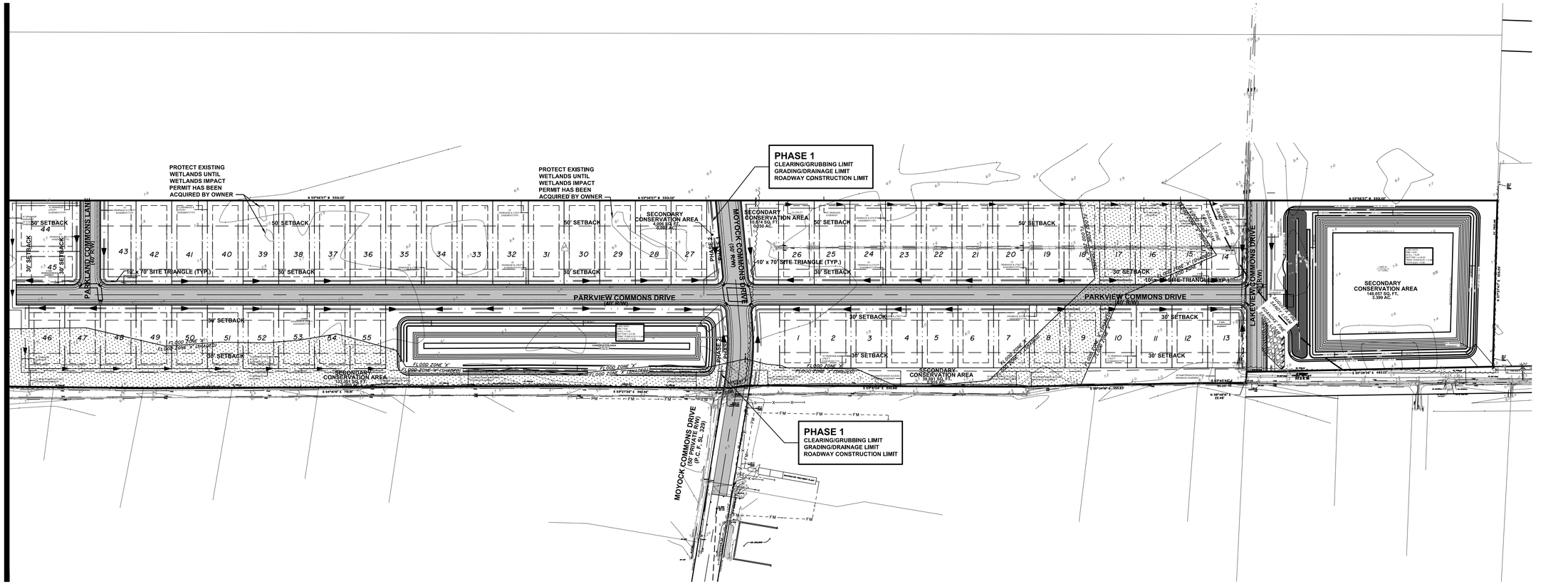
MATCHLINE - SEE THIS SHEET



DENOTES DRIVEWAY REPAIR

DENOTES DIRT ROAD REPAIR

DENOTES PUDDIN RIDGE RD REPAIR

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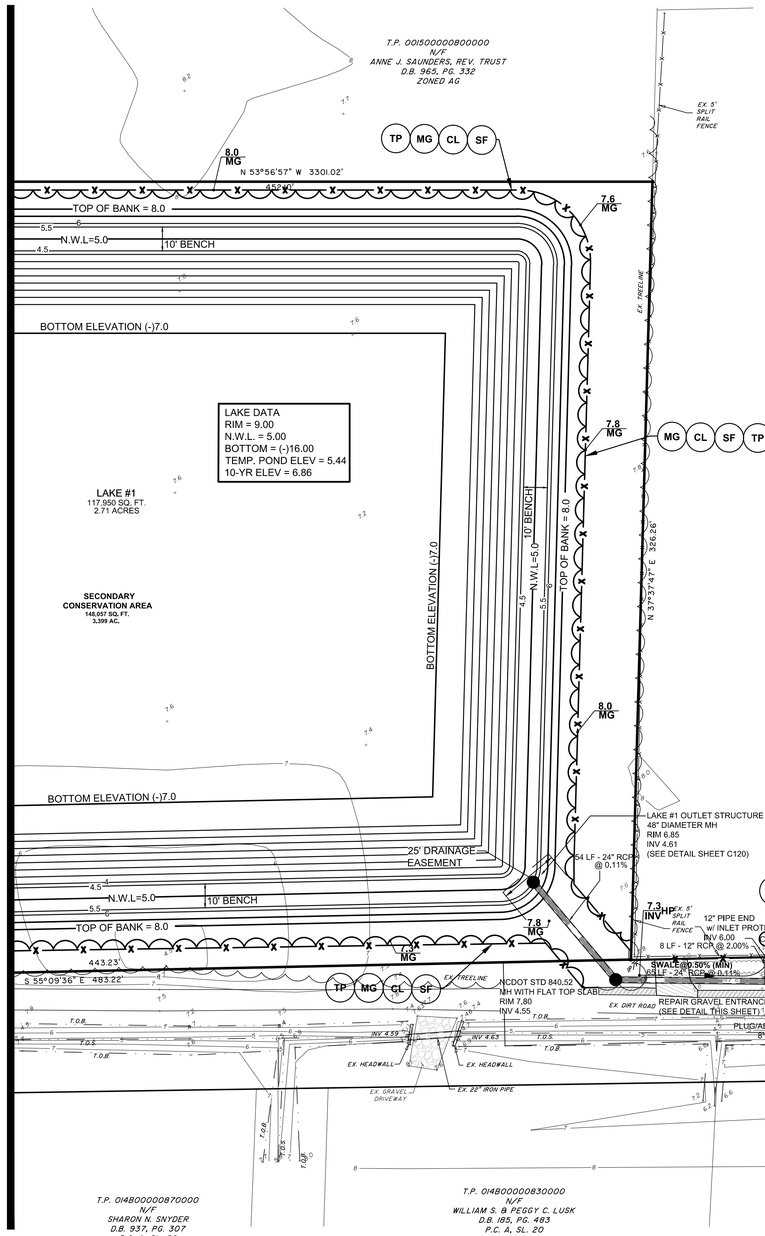
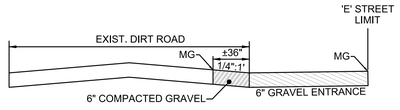
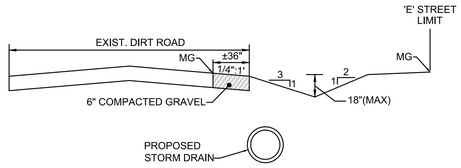




GRAVEL ENTRANCE REPAIR DETAIL
SCALE: NONE



DIRT ROAD REPAIR DETAIL
SCALE: NONE

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

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NORTH CAROLINA
PROFESSIONAL
STUART W. BONNELL
02-15-2017
019907
ENGINEER

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
CONSTRUCTION PLAN
TAX PARCEL 0015000000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C110

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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MATCHLINE - SEE SHEET C112

MATCHLINE - SEE SHEET C110

T.P. 00150000080000 N/F ANNE J. SAUNDERS, REV. TRUST D.B. 965, PG. 332 ZONED AG

#106 PARKVIEW COMMONS DR II,550 SQ. FT. 0.265 AC. FFE=9.70 BPE=9.20

#104 PARKVIEW COMMONS DR II,550 SQ. FT. 0.265 AC. FFE=9.70 BPE=9.20

#102 PARKVIEW COMMONS DR II,550 SQ. FT. 0.265 AC. FFE=9.70 BPE=9.20

#100 PARKVIEW COMMONS DR 12,904 SQ. FT. 0.296 AC. FFE=9.70 BPE=9.20

#112 PARKVIEW COMMONS DR II,550 SQ. FT. 0.265 AC. FFE=9.70 BPE=9.20

#110 PARKVIEW COMMONS DR II,550 SQ. FT. 0.265 AC. FFE=9.70 BPE=9.20

#108 PARKVIEW COMMONS DR II,550 SQ. FT. 0.265 AC. FFE=9.70 BPE=9.20

LAKEVIEW COMMONS DRIVE (40' R/W)

PARKVIEW COMMONS DRIVE (40' R/W)

50' SETBACK

30' SETBACK

15' DRAINAGE EASEMENT

10' UTILITY EASEMENT

10' DRAINAGE & UTILITY EASEMENT(TYP)

15' DRAINAGE & UTILITY EASEMENT(TYP)

NCDOT SEWER CLEANOUT (TYP) PLATE 1520.01

NCDOT FIRE HYDRANT ASSEMBLY (TYP) PLATE 1515.02

NCDOT WATER METER (TYP) PLATE 1515.02

REQUIRED WATER 1- 6"X6" TEE 1- 6" VALVE 1- HYDRANT THRUST RESTRAINT

REQUIRED WATER 2- 8" 45° BENDS THRUST RESTRAINT

REQUIRED WATER 1- 2" BOV 1- 8" PLUG THRUST RESTRAINT

PLUG WATER & SEWER AT DRAINAGE EASEMENT LINE (TYP)

5' NON INGRESS/EGRESS EASEMENT

10' x 70' SITE TRIANGLE (TYP.)

NCDOT STD WHEELCHAIR RAMP(TYP) 848.06

NCDOT STD CROSSWALK 1205.02

SIGN "NO PARKING"

334' 8" PVC SAN @ 0.40%

366 LF - 36" RCP @ 0.10%

274' 8" PVC SAN @ 0.40%

352 LF - 36" RCP @ 0.11%

28 LF - 24" RCP @ 2.12%

55 LF - 15" RCP(3) @ 0.12%

44 LF - 15" RCP @ 0.10%

33 LF - 15" RCP @ 0.12%

24 LF - 24" RCP @ 1.96%

1-OUT 36" DIAMETER PIPE END W/ OUTLET PROTECTION INV 1.03

1-1 MH RIM 8.98 INV 0.96

1-2 NCDOT STD 840.52 MH WITH FLAT TOP SLAB RIM 8.92 INV 4.32

NCDOT STD 840.52 MH WITH FLAT TOP SLAB RIM 8.00 INV 4.22

34"X53" PIPE END w/ OUTLET PROTECTION INV 4.30

34"X53" PIPE END w/ OUTLET PROTECTION INV 4.19

71 LF - 34"X53" HERCP @ 0.11%

RECREATIONAL EQUIPMENT STORAGE AREA (SEE DETAIL THIS SHEET) 6 - 20'X40' SPACES

TOP OF BANK = 8.0

10' BENCH N.W.L=5.0

BOTTOM ELEVATION = (-)7.0

FOREBAY BOT = (-)3.0

E STREET VARIABLE WIDTH R/W (P.C. M, SL. 60) (P.C. M, SL. 36)

EX. DIRT ROAD

RAMP GRAVEL TO MATCH PROPOSED EDGE OF PAVEMENT

BARRICADE

EX. TREELINE

EX. 15" CORRUGATED PIPE

SECONDARY CONSERVATION AREA 39,881 SQ.FT. 0.916 AC.

30' MAINTENANCE ACCESS DRAINAGE EASEMENT

28' MAINTENANCE ACCESS DRAINAGE EASEMENT

34+34.51 PARKVIEW COMMONS DR 11+50.93 LAKEVIEW COMMONS DR.

T.P. 00150000075J0000 N/F MOYOCK COMMONS SEWER DISTRICT D.B. 464, PG. 232 ZONED GB

T.P. 00150000075I0000 N/F PASQUOTANK COUNTY D.B. 477, PG. 186 ZONED GB

T.P. 00150000072O0000 N/F MARJORIE S. ROBERTS D.B. 1067, PG. 77 P.C. 1067, PG. 77 ZONED AG

T.P. 0148000009I0000 N/F JAMES K. FENTON JR. D.B. 1205, PG. 554 ZONED SFM

T.P. 0148000008700000 N/F SHARON N. SNYDER D.B. 937, PG. 307 P.C. A, SL. 20 ZONED SFM

8" 21A AGGREGATE STONE

COMPACTED SUBGRADE TO 95% DENSITY (VTM 1 OR ASTM D698)

TYPICAL RECREATIONAL EQUIPMENT STORAGE PAVEMENT DETAIL

N.T.S.

* HATCH DENOTES 7" CONC SIDEWALK REQUIRED WITHIN RECREATIONAL EQUIPMENT STORAGE AREA

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

NOTIFY Miss Utilities At 1-800-552-7001 or 811 For Location of Existing Utilities

HASSELL & FOLKES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
325 VOLVO PARKWAY
CHESAPEAKE, VIRGINIA 23320
PHONE: (757) 547-9533 FAX: (757) 547-9461
www.hfpc-online.com

Project No.	13-05
Date	02/15/201
Scale	1" = 3
Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

NORTH CAROLINA PROFESSIONAL ENGINEER STUART W. BONNELL 02-15-2017 019907

CONSTRUCTION PLAN OF MAJOR SUBDIVISION FOR **MOYOCK COMMONS**

CONSTRUCTION PLAN

TAX PARCEL 00150000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C111

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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EROSION AND SEDIMENT LEGEND

- SF — SILT FENCE
- CL — LIMITS OF CLEARING
- TP — TREE PROTECTION
- OP — OUTLET PROTECTION(RIP RAP)
- IP — INLET PROTECTION
- CIP — CULVERT INLET PROTECTION
- CE — CONSTRUCTION ENTRANCE

NOTIFY
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or 811 For Location
of Existing Utilities

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Project No.	13-05
Date	02/15/201
Scale	1" = 3
Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
STUART W. BONNELL
02-15-2017
019907

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
CONSTRUCTION PLAN
TAX PARCEL 001500000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C112

Packet Pg. 34

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NOTE:
DUCTILE IRON SEWER LATERALS REQUIRED WHERE SHOWN.

EROSION AND SEDIMENT LEGEND

- SF — SILT FENCE
- CL — LIMITS OF CLEARING
- TP — TREE PROTECTION
- OP — OUTLET PROTECTION(RIP RAP)
- IP — INLET PROTECTION
- CIP — CULVERT INLET PROTECTION
- CE — CONSTRUCTION ENTRANCE

T.P. 0015000000800000
N/F
ANNE J. SAUNDERS, REV. TRUST
D.B. 965, PG. 332
ZONED AG

PROTECT EXISTING WETLANDS UNTIL WETLANDS IMPACT PERMIT HAS BEEN ACQUIRED BY OWNER

PARKVIEW COMMONS DRIVE (40'R/W)

0+00 PARKLAND COMMONS LN
11+45 PARKVIEW COMMONS DR

REQUIRED WATER
1- 2" BOV
1- 8" PLUG
THRUST RESTRAINT

REQUIRED WATER
1-8"X8" TEE
1- 8" VALVE
1- 8"X4" REDUCER
4" VALVE
THRUST RESTRAINT

REQUIRED WATER
1-8"X6" TEE
1- 6" VALVE
1- HYDRANT
THRUST RESTRAINT

NCDOT FIRE HYDRANT ASSEMBLY (TYP)
PLATE 1515.02

NCDOT WATER METER (TYP)
PLATE 1515.02

NCDOT SEWER CLEANOUT (TYP)
PLATE 1520.01

30' SETBACK
PLUG WATER & SEWER AT DRAINAGE EASEMENT LINE (TYP)

50' SETBACK

30' SETBACK

10' DRAINAGE & UTILITY EASEMENT(TYP)

15' DRAINAGE & UTILITY EASEMENT(TYP)

15' DRAINAGE EASEMENT

7.5' DRAINAGE EASEMENT

32' MAINTENANCE ACCESS DRAINAGE EASEMENT

SECONDARY CONSERVATION AREA
133,301 SQ. FT.
3.060 AC.

LAKE #2
75392 SQ. FT.
1.731 ACRES

TOP OF BANK = 8.0
10' BENCH
N.W.L=5.0

#103 PARKLAND COMMONS DR — 7,000 SQ. FT. 0.161 AC. FFE=10.90 BPE=10.40 — 44 — 10.8 — 10.4
#101 PARKLAND COMMONS DR — 8,077 SQ. FT. 0.185 AC. FFE=10.70 BPE=10.20 — 45 — 10.2
#237 PARKVIEW COMMONS DR — 8,750 SQ. FT. 0.201 AC. FFE=10.80 BPE=10.30 — 46 — 10.3
#235 PARKVIEW COMMONS DR — 8,750 SQ. FT. 0.201 AC. FFE=10.50 BPE=10.00 — 47 — 10.0
#233 PARKVIEW COMMONS DR — 8,750 SQ. FT. 0.201 AC. FFE=10.30 BPE=9.80 — 48 — 9.8
#231 PARKVIEW COMMONS DR — 8,750 SQ. FT. 0.201 AC. FFE=10.20 BPE=9.70 — 49 — 9.7
#229 PARKVIEW COMMONS DR — 8,750 SQ. FT. 0.201 AC. FFE=10.20 BPE=9.70 — 50 — 9.7
#227 PARKVIEW COMMONS DR — 8,750 SQ. FT. 0.201 AC. FFE=10.20 BPE=9.70 — 51 — 9.7
#225 PARKVIEW COMMONS DR — 8,750 SQ. FT. 0.201 AC. FFE=10.20 BPE=9.70 — 52 — 9.7
#223 PARKVIEW COMMONS DR — 8,750 SQ. FT. 0.201 AC. FFE=10.20 BPE=9.70 — 53 — 9.7
#221 PARKVIEW COMMONS DR — 8,750 SQ. FT. 0.201 AC. FFE=10.20 BPE=9.70 — 54 — 9.7
#219 PARKVIEW COMMONS DR — 8,750 SQ. FT. 0.201 AC. FFE=10.20 BPE=9.70 — 55 — 9.7
#232 PARKVIEW COMMONS DR — 11,502 SQ. FT. 0.264 AC. FFE=10.30 BPE=9.80 — 43 — 9.8
#230 PARKVIEW COMMONS DR — 11,550 SQ. FT. 0.265 AC. FFE=10.20 BPE=9.70 — 42 — 9.7
#228 PARKVIEW COMMONS DR — 11,550 SQ. FT. 0.265 AC. FFE=10.20 BPE=9.70 — 41 — 9.7
#226 PARKVIEW COMMONS DR — 11,550 SQ. FT. 0.265 AC. FFE=10.20 BPE=9.70 — 40 — 9.7
#224 PARKVIEW COMMONS DR — 11,550 SQ. FT. 0.265 AC. FFE=10.20 BPE=9.70 — 39 — 9.7
#222 PARKVIEW COMMONS DR — 11,550 SQ. FT. 0.265 AC. FFE=10.20 BPE=9.70 — 38 — 9.7
#220 PARKVIEW COMMONS DR — 11,550 SQ. FT. 0.265 AC. FFE=10.20 BPE=9.70 — 37 — 9.7
#218 PARKVIEW COMMONS DR — 11,550 SQ. FT. 0.265 AC. FFE=10.20 BPE=9.70 — 36 — 9.7
#216 PARKVIEW COMMONS DR — 11,550 SQ. FT. 0.265 AC. FFE=10.20 BPE=9.70 — 35 — 9.7
#214 PARKVIEW COMMONS DR — 11,550 SQ. FT. 0.265 AC. FFE=10.20 BPE=9.70 — 34 — 9.7

142' 8" D.I. SAN @ 0.40%
317' 8" PVC SAN @ 0.40%
318' 8" PVC SAN @ 0.40%
182' 8" D.I. SAN @ 0.40%

N 53°56'57" W 1100.00'
N 53°56'57" W 1191.00'
N 53°56'57" W 1327.67'
N 53°56'57" W 700.00'
S 53°56'57" E 125.00'
S 53°13'57" E 680.79'
S 54°16'19" E 751.91'
S 36°03'03" W 150.00'
S 36°03'03" W 165.00'
S 36°03'03" W 125.00'

SWALE@1.00%
SWALE@0.36%
SWALE@0.21%
SWALE@0.15%
SWALE@1.28%
SWALE@0.83%
SWALE@0.20%
SWALE@0.12%
SWALE@0.37%
SWALE@0.43%
SWALE@0.46%
SWALE@0.59%
SWALE@0.93%
SWALE@0.68%
SWALE@0.88%
SWALE@0.86%
SWALE@0.25%
SWALE@0.18%
SWALE@0.20%
SWALE@1.26%
SWALE@1.05%
SWALE@1.47%
SWALE@1.68%
SWALE@1.89%
SWALE@2.11%
SWALE@2.32%
SWALE@2.53%
SWALE@0.76%

SCO INV 6.53 TOP 6.86
SCO INV 6.11 TOP 6.44
SCO INV 5.83 TOP 6.16
SCO INV 5.55 TOP 5.88
SCO INV 5.27 TOP 5.60
SCO INV 4.99 TOP 5.32
SCO INV 4.71 TOP 5.04
SCO INV 4.43 TOP 4.76
SCO INV 4.15 TOP 4.48
SCO INV 6.79 TOP 7.11
SCO INV 6.67 TOP 7.00
SCO INV 6.39 TOP 6.72

NC DOT STD SCO 1520.01 RIM 9.46 INV 6.31
NC DOT STD SCO 1520.01 RIM 9.02 INV 6.15
NC DOT STD SMH 1525.02 RIM 8.92 INV 5.58
NC DOT STD SMH 1525.02 RIM 8.68 INV 4.31
NC DOT STD SMH 1525.02 RIM 8.42 INV 3.04
NCDOT STD CROSSWALK 120507
NCDOT STD WHEELCHAIR RAMP(TYP)

DOUBLE BLADE STREET SIGN
SIGN "NO PARKING"

DRIVE (40'R/W)
PARKLAND COMMONS LANE (40' R/W)

D.I. LATERAL

EX. TREELINE
T.O.S.
T.O.B.

MATCHLINE - SEE SHEET C114
MATCHLINE - SEE SHEET C112

T.P. 015B000008A0000
N/F
MOYOCK COMMONS SEWER DISTRICT
D.B. 605, PG. 200
P.C. G, SL. 24
ZONED GB

T.P. 015B000009000O
N/F
V&J SERVICES, LLC
D.B. 743, PG. 703
P.C. G, SL. 24
ZONED GB

T.P. 015B000001I0000
N/F
MOWLAY, LLC
D.B. 649, PG. 475
P.C. G, SL. 24
ZONED GB

T.P. 015B000001I0000
N/F
CURRIN-PATTERSON INVESTMENTS, LLC
D.B. 923, PG. 662
P.C. G, SL. 24
ZONED GB

T.P. 015B000001I0000
N/F
CURRIN-PATTERSON INVESTMENTS, LLC
D.B. 923, PG. 662
P.C. G, SL. 24
ZONED GB

T.P. 015B000001I40000
N/F
OCEANFRONT ENTERPRISES, LLC
D.B. 463, PG. 804
P.C. G, SL. 7
ZONED GB

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

NOTIFY
Miss Utilities At
1-800-552-7001
or 811 For Location
of Existing Utilities

HASSELL & FOLKES, P.C.
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Project No.	13-05
Date	02/15/201
Scale	1" = 3(
Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

NORTH CAROLINA PROFESSIONAL ENGINEER STUART W. BONNELL 02-15-2017 019907

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
CONSTRUCTION PLAN
TAX PARCEL 001500000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C113

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Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

EROSION AND SEDIMENT LEGEND

- SF — SILT FENCE
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- IP — INLET PROTECTION
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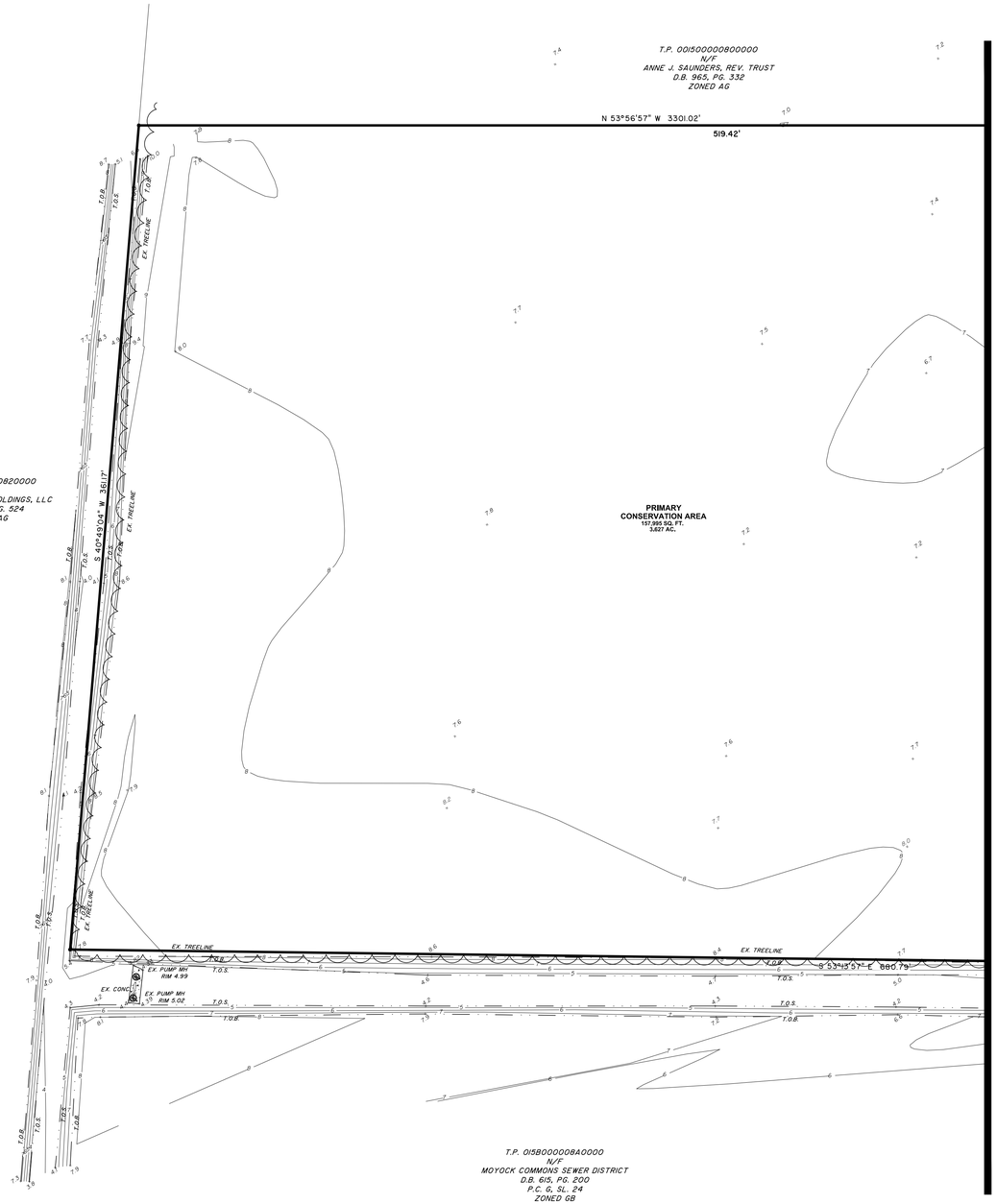

MATCHLINE - SEE SHEET C113

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

NOTIFY
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1-800-552-7001
or 811 For Location
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Project No.	13-05
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Scale	1" = 3
Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

NORTH CAROLINA
PROFESSIONAL
STUART W. BONNELL
02-15-2017
019907
ENGINEER

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
CONSTRUCTION PLAN

TAX PARCEL 00150000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C114

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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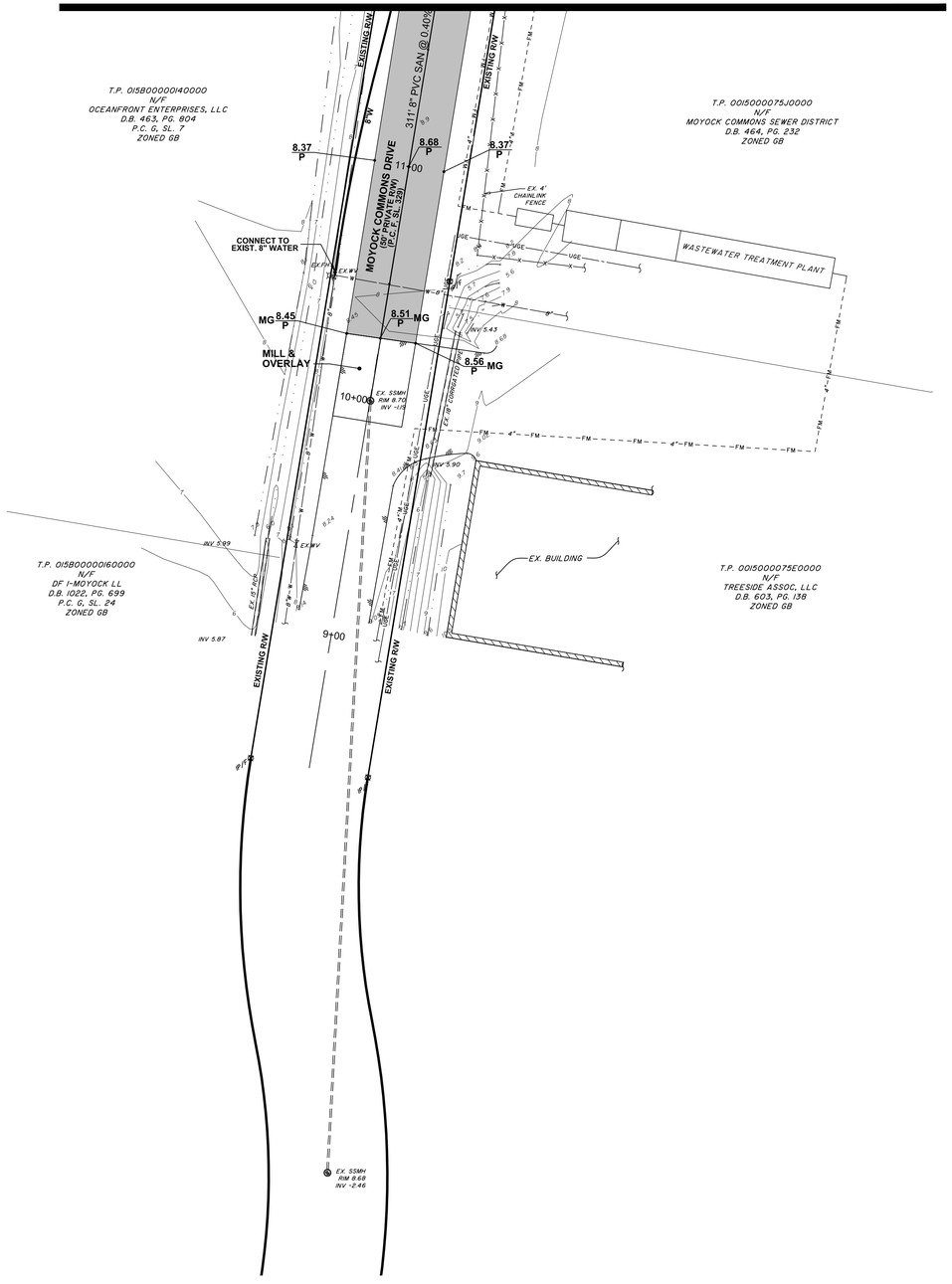
MATCHLINE - SEE SHEET C112



EROSION AND SEDIMENT LEGEND

- SF — SILT FENCE
- CL — LIMITS OF CLEARING
- TP — TREE PROTECTION
- OP — OUTLET PROTECTION(RIP RAP)
- IP — INLET PROTECTION
- CIP — CULVERT INLET PROTECTION
- CE — CONSTRUCTION ENTRANCE

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

NOTIFY
Miss Utilities At
1-800-552-7001
or 811 For Location
of Existing Utilities

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Project No.	13-05
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Scale	1" = 3
Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

NORTH CAROLINA
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ENGINEER
02-15-2017
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CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
CONSTRUCTION PLAN

TAX PARCEL 00150000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C115

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Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

CONSERVATION AREA
3.09 AC.
CN = 70

EX. PUMP MH
RIM 4.99

EX. PUMP MH
RIM 5.02

MATCHLINE - THIS SHEET

DEVELOPMENT AREA
15.58 AC.
CN = 83

LAKE 2
(NODE 8)
AREA = 15.58 AC.
CN(WEIGHTED) = 83

LAKE 1
(NODE 7)
AREA = 7.11 AC.
CN = 83

PROTECT EXISTING WETLANDS UNTIL WETLANDS IMPACT PERMIT HAS BEEN ACQUIRED BY OWNER

PROTECT EXISTING WETLANDS UNTIL WETLANDS IMPACT PERMIT HAS BEEN ACQUIRED BY OWNER

MATCHLINE - THIS SHEET

PARKLAND COMMONS LANE (50' R/W)

MOYOCK COMMONS DRIVE (50' R/W)

PARKVIEW COMMONS DRIVE (50' R/W)

LAKEVIEW COMMONS DRIVE (50' R/W)

MOYOCK COMMONS DRIVE (50' PRIVATE R/W) (P.C. / S.L. 329)

LAKE #2
75392 SQ. FT.
1.731 ACRES

LAKE #1
118,793 SQ. FT.
2.727 ACRES

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

NOTIFY
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Project No.	13-05
Date	02/15/201
Scale	1" = 10
Drawn	WF
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NORTH CAROLINA
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02-15-2017
019907
ENGINEER
STUART W. BONNELL

CONSTRUCTION PLAN OF
OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
PROPOSED DRAINAGE AREA MAP
TAX PARCEL 001500000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C116

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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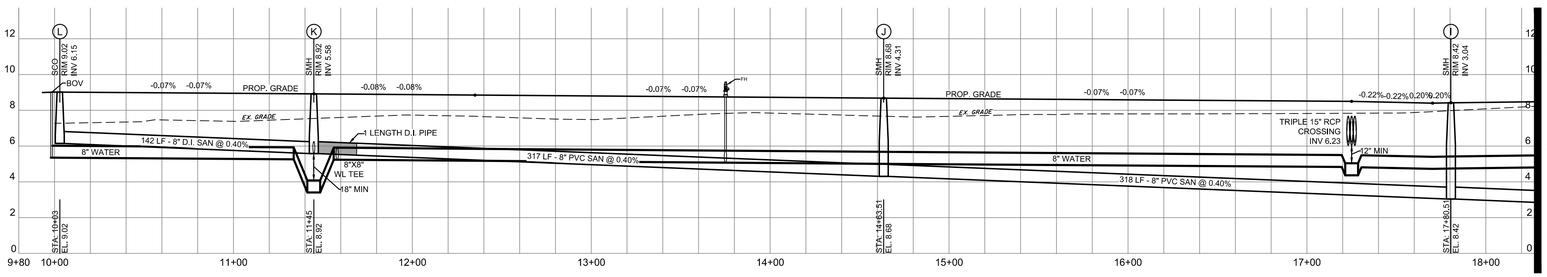
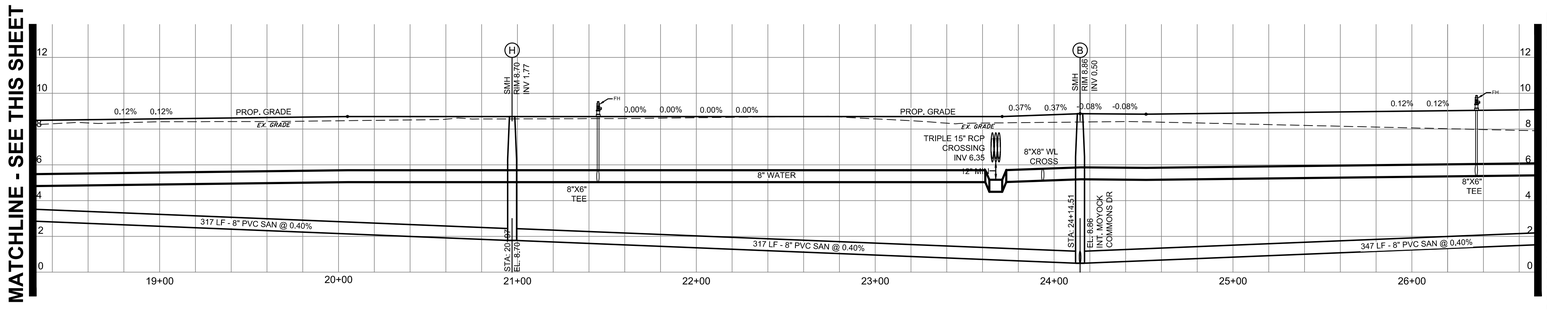


MATCHLINE - SEE THIS SHEET

MATCHLINE - SEE THIS SHEET

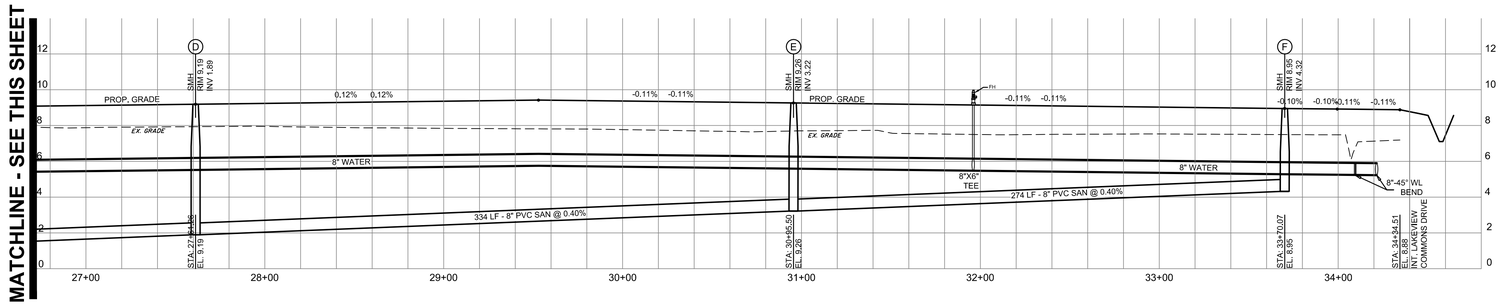
PARKVIEW COMMONS DRIVE



MATCHLINE - SEE THIS SHEET

MATCHLINE - SEE THIS SHEET

PARKVIEW COMMONS DRIVE (CONT.)



PARKVIEW COMMONS DRIVE (CONT.)

GRAPHIC SCALE VERTICAL

4 0 2 4 8 16

(IN FEET)
1 inch = 4 ft.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

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or 811 For Location
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CHESAPEAKE, VIRGINIA 23320
PHONE: (757) 547-9533 FAX: (757) 547-9481
www.hfpc-online.com

Project No.	13-051
Date	02/15/2017
Scale	1" = 4' VERT. 1" = 40' HORIZ.
Drawn	WFC
Checked	SWB

MARK	REVISION	DATE	APPR

NORTH CAROLINA
PROFESSIONAL
STUART W. BONNELL
ENGINEER
02-15-2017
019907

CONSTRUCTION PLAN OF
OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS

PROFILES

TAX PARCEL 001500000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C117

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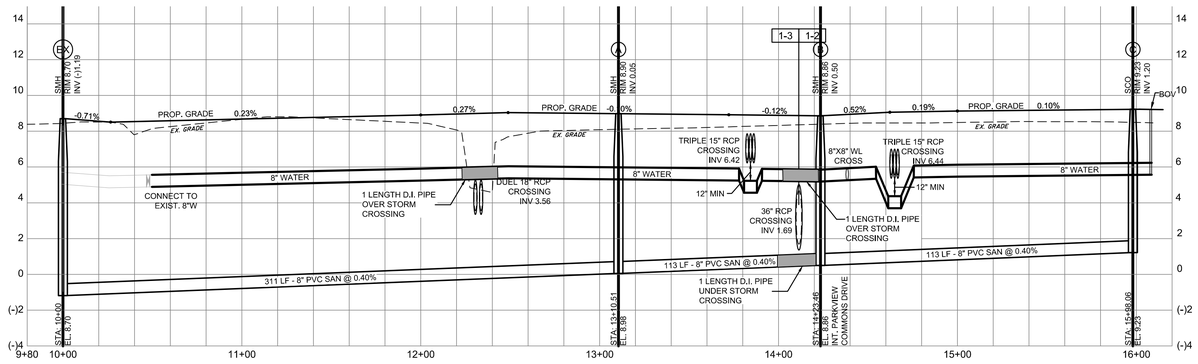
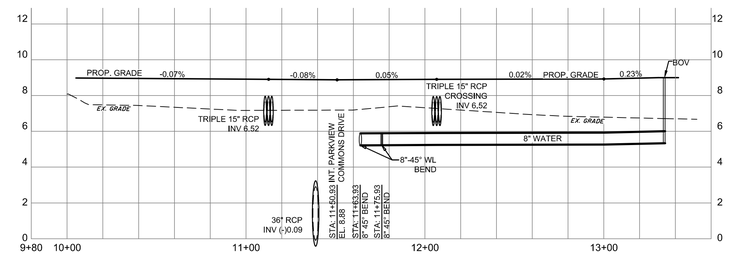
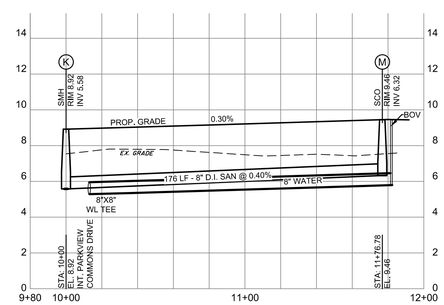
Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)



MOYOCK COMMONS DRIVE



LAKEVIEW COMMONS DRIVE



PARKLAND COMMONS LANE

GRAPHIC SCALE VERTICAL

4 0 2 4 8 16

(IN FEET)
1 inch = 4 ft.

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

NOTIFY
Miss Utilities At
1-800-552-7001
or 811 For Location
of Existing Utilities

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CHESAPEAKE, VIRGINIA 23320
PHONE: (757) 547-9531 FAX: (757) 547-9481
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Project No.	13-051
Date	02/15/2017
Scale	1" = 4' VERT. 1" = 40' HORIZ.
Drawn	WFC
Checked	SWB

MARK	REVISION	DATE	APPR

NORTH CAROLINA
PROFESSIONAL
STUART W. BONNELL
ENGINEER
019907
02-15-2017

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
PROFILES
TAX PARCEL 001500000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C118

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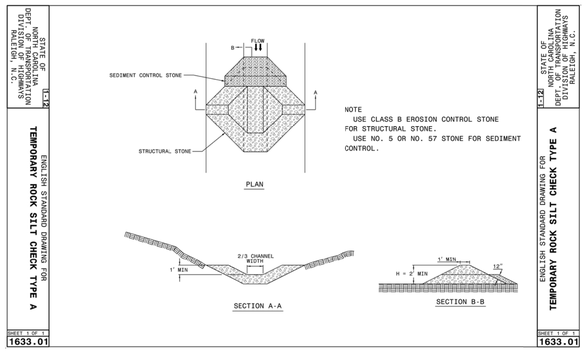
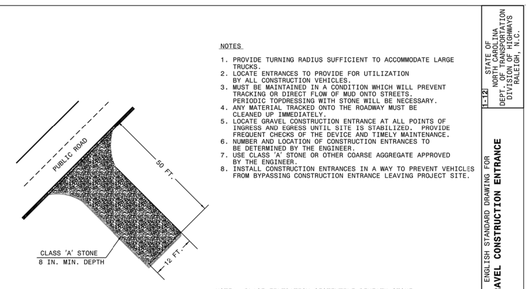
Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)



NOTE
USE CLASS B EROSION CONTROL STONE FOR STRUCTURAL STONE.
USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL.

STATE OF N.C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH, N.C.
ENGLISH STANDARD DRAWING FOR
TEMPORARY ROCK SILT CHECK TYPE A
sheet 1 OF 1
1633.01



NOTES
1. PROVIDE TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS.
2. LOCATE ENTRANCES TO PROVIDE FOR UTILIZATION BY ALL CONSTRUCTION VEHICLES.
3. MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE WILL BE NECESSARY.
4. ANY MATERIAL TRACKED ONTO THE ROADWAY MUST BE CLEANED UP IMMEDIATELY.
5. LOCATE GRAVEL CONSTRUCTION ENTRANCE AT ALL POINTS OF INGRESS AND EGRESS UNTIL SITE IS STABILIZED. PROVIDE FREQUENT CHECKS OF THE DEVICE AND TIMELY MAINTENANCE.
6. NUMBER AND LOCATION OF CONSTRUCTION ENTRANCES TO BE DETERMINED BY THE ENGINEER.
7. USE CLASS 'A' STONE OR OTHER COARSE AGGREGATE APPROVED BY THE ENGINEER.
8. INSTALL CONSTRUCTION ENTRANCES IN A WAY TO PREVENT VEHICLES FROM BYPASSING CONSTRUCTION ENTRANCE LEAVING PROJECT SITE.

NOTE: PLACE FILTRATION GEOTEXTILE BENEATH STONE

STATE OF N.C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
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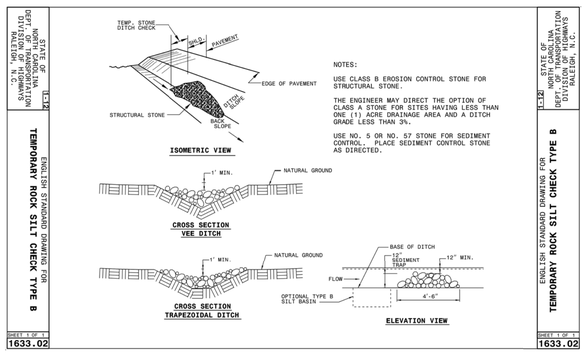
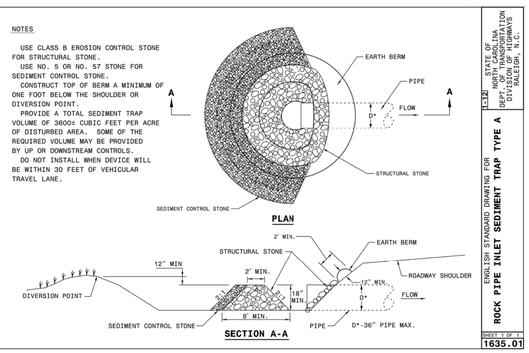
ENGLISH STANDARD DRAWING FOR
GRAVEL CONSTRUCTION ENTRANCE
sheet 1 OF 1
1607.01



NOTES:
USE CLASS B EROSION CONTROL STONE FOR STRUCTURAL STONE.
THE ENGINEER MAY DIRECT THE OPTION OF CLASS A STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.
USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL. PLACE SEDIMENT CONTROL STONE AS DIRECTED.

STATE OF N.C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH, N.C.
ENGLISH STANDARD DRAWING FOR
TEMPORARY ROCK SILT CHECK TYPE B
sheet 1 OF 1
1633.02



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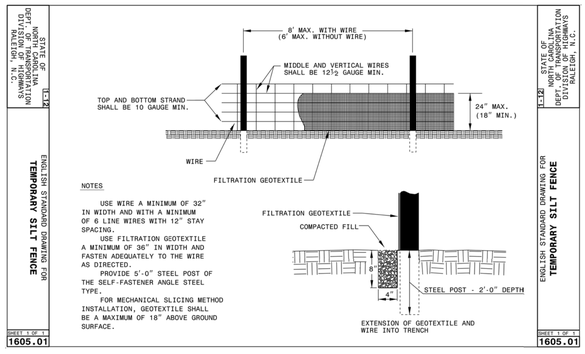
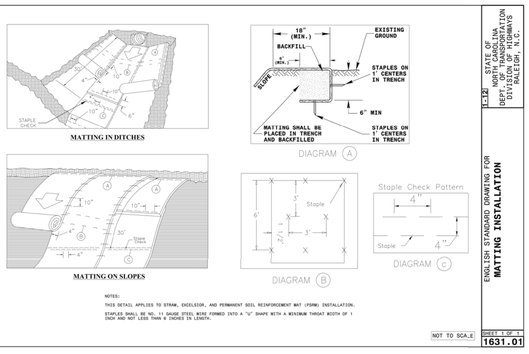
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH, N.C.
ENGLISH STANDARD DRAWING FOR
ROCK PIPE INLET SEDIMENT TRAP TYPE A
sheet 1 OF 1
1635.01



STATE OF N.C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH, N.C.
ENGLISH STANDARD DRAWING FOR
TEMPORARY SILT FENCE
sheet 1 OF 1
1605.01



STATE OF N.C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
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ENGLISH STANDARD DRAWING FOR
MATTING INSTALLATION
sheet 1 OF 1
1631.01

6

Table 6.10a Temporary Seeding Recommendations for Late Winter and Early Spring

Seeding mixture Species	Rate (lb/acre)
Rye (grain)	120
Annual lespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains)	50

Omit annual lespedeza when duration of temporary cover is not to extend beyond June.

Seeding dates
Mountains—Above 2500 feet: Feb. 15 - May 15
Below 2500 feet: Feb. 1- May 1
Piedmont—Jan. 1 - May 1
Coastal Plain—Dec. 1 - Apr. 15

Soil amendments
Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.

Mulch
Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

6

Table 6.10c Temporary Seeding Recommendations for Fall

Seeding mixture Species	Rate (lb/acre)
Rye (grain)	120

Seeding dates
Mountains—Aug. 15 - Dec. 15
Coastal Plain and Piedmont—Aug. 15 - Dec. 30

Soil amendments
Follow soil tests or apply 2,000 lb/acre ground agricultural limestone and 1,000 lb/acre 10-10-10 fertilizer.

Mulch
Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
Repair anc refertilize damaged areas immediately. Topdrss with 50 lb/acre of nitrogen in March. If it is necessary to exten: temporary cover beyond June 15, overseed with 50 lb/acre Kobe (Piedmont and Coastal Plain) or Korean (Mountains) lespedeza in late February or early March.

Practice Standards and Specifications

Table 6.10b Temporary Seeding Recommendations for Summer

Seeding mixture Species	Rate (lb/acre)
German millet	40

In the Piedmont and Mountains, a small-stemmed Sudangrass may be substituted at a rate of 50 lb/acre.

Seeding dates
Mountains—May 15 - Aug. 15
Piedmont—May 1 - Aug. 15
Coastal Plain—Apr. 15 - Aug. 15

Soil amendments
Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.

Mulch
Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

LAND GRADING CONSTRUCTION SPECIFICATIONS:

1. CONSTRUCT & MAINTAIN ALL EROSION & SEDIMENTATION CONTROL PRACTICES & MEASURES IN ACCORDANCE WITH THE APPROVED SEDIMENTATION CONTROL PLAN AND CONSTRUCTION SCHEDULE.
2. REMOVE GOOD TOPSOIL FROM AREAS TO BE GRADED AND FILLED, AND PRESERVE IT FOR USE IN FINISHED THE GRADING OF ALL CRITICAL AREAS.
3. SCARIFY AREAS TO BE TOPSOILED TO A MINIMUM DEPTH OF 2 INCHES BEFORE PLACING TOPSOIL.
4. CLEAR & GRUB AREAS TO BE FILLED TO REMOVE TREES, VEGETATION, ROOTS, OR OTHER OBJECTIONABLE MATERIAL THAT WOULD AFFECT THE PLANNED STABILITY OF FILL.
5. ENSURE THAT FILL MATERIAL IS FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS, AND OTHER MATERIALS INAPPROPRIATE FOR CONSTRUCTING STABLE FILLS.
6. PLACE ALL FILL IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS, AND COMPACT THE LAYERS AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, OR OTHER RELATED PROBLEMS.
7. DO NOT INCORPORATE FROZEN MATERIAL OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS INTO FILL SLOPES.
8. DO NOT PLACE FILL ON A FROZEN FOUNDATION, DUE TO POSSIBLE SUBSIDENCE AND SLIPPAGE.
9. KEEP DIVERSIONS AND OTHER WATER CONVEYANCE MEASURES FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
10. HANDLE SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION IN ACCORDANCE WITH APPROVED METHODS.
11. FOLLOWING COMPLETION OF ANY PHASE OF GRADING, PROVIDE A GROUNDCOVER (TEMPORARY OR PERMANENT) ON ALL EXPOSED SLOPES WITHIN 14 CALENDER DAYS, OR 7 CALENDAR DAYS IN CRITICAL AREAS IDENTIFIED ON THE PLAT; AND, A PERMANENT GROUNDCOVER FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
12. PROVIDE ADEQUATE PROTECTION FROM EROSION FOR ALL TOPSOIL STOCKPILES, BORROW AREAS, AND SPOIL AREAS.

MAINTENANCE:

PERIODICALLY CHECK ALL GRADED AREAS & THE SUPPORTING EROSION & SEDIMNETATION CONTROL PRACTICES, ESPECIALLY AFTER HEAVY RAINFALLS. PROMPTLY REMOVE ALL SEDIMENT FROM DIVERSIONS AND OTHER WATER-DISPOSAL PRACTICES. IF WASHOUTS OR BREAKS OCCUR, REPAIR THEM IMMEDIATELY. PROMPT MAINTENANCE OF SMALL-ERODED AREAS BEFORE THEY BECOME SIGNIFICANT GULLIES IS AN ESSENTIAL PART OF AN EFFECTIVE EROSION & SEDINMETATION CONTROL PLAN.

MOYOCK COMMONS

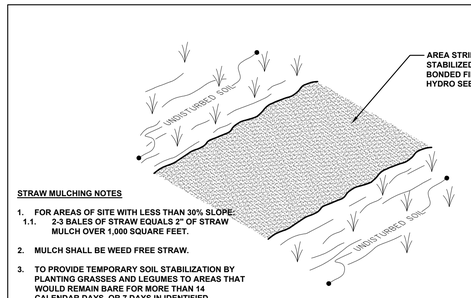
EROSION AND SEDIMENT CONTROL SEQUENCE

PHASE 1

1. INSTALL PERIMETER CONTROL FACILITIES INCLUDING SILT FENCE AND CONSTRUCTION ENTRANCE
2. CONSTRUCT E STREET STORM DRAIN SYSTEM COMPLETE IN ITS ENTIRETY FROM OUTFALL AT PUDDIN RIDGE ROAD TO LAKE #1
3. CONSTRUCT TEMPORARY SEDIMENT BASIN WITH ROCK CHECK DAM #1
4. CLEAR AND GRUB AREA 1 AND GRADE AREA 1 TO TSB WITH ROCK CHECK DAM #1
5. CONSTRUCT LAKE #1 AND USE AS TEMPORARY SEDIMENT BASIN (TSB #1)
6. FILL DITCH WHERE INDICATED AT SOUTH CORNER OF CLEAR AND GRUB AREA 1
7. INSTALL PORTION OF STORM DRAIN FACILITIES TO DRAIN PHASE 1 TO TSB #1
8. INSTALL SOIL MATTING ON ALL DITCHES AS CONSTRUCTION OF DRAINAGE FACILITIES PROGRESS
9. INSTALL INLET AND OUTLET PROTECTION AS CONSTRUCTION OF DRAINAGE FACILITIES PROGRESS
10. CLEAR AND GRUB AREA 2 AND GRADE AREA 2 TO EXISTING DITCH
11. INSTALL REMAINING STORM DRAIN FACILITIES
12. BEGIN LOT GRADING AND ALL PROPOSED UTILITIES
13. GRADE PHASE 1 CONSTRUCTION TO COMPLETED STORM DRAIN FACILITIES AND TSB
14. ADD TEMPORARY SEEDING TO STABILIZE GRADED SURFACES.
15. COMPLETE LOT GRADING
16. CONSTRUCT TEMPORARY DROP INLET #1-4
17. FINISH GRADING/TOPSOILING/SEEDING.
18. INSTALL LANDSCAPING.

PHASE 2

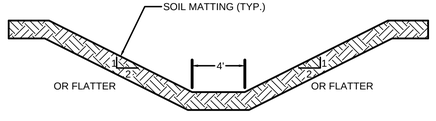
1. INSTALL PERIMETER CONTROL FACILITIES INCLUDING SILT FENCE.
2. CLEAR AND GRUB MINIMUM PORTION OF AREA #3 FOR CONSTRUCTING TEMPORARY SEDIMENT BASIN WITH ROCK CHECK DAM #2
3. REMOVE TEMPORARY INLET #1-4
4. CONSTRUCT TEMPORARY SEDIMENT BASIN WITH ROCK CHECK DAM #2
5. CLEAR AND GRUB MINIMUM PORTION OF AREA 3 FOR CONSTRUCTING LAKE #2 AND PROPOSED DITCH TO LAKE #2
6. INSTALL SOIL MATTING ON ALL DITCHES AS CONSTRUCTION OF DRAINAGE FACILITIES PROGRESS
7. INSTALL INLET AND OUTLET PROTECTION AS CONSTRUCTION OF DRAINAGE FACILITIES PROGRESS
8. CLEAR AND GRUB REMAINDER OF AREA 3
9. GRADE PHASE 2 TO PROPOSED DITCH AND LAKE #2
10. INSTALL STORM DRAIN FACILITIES TO DRAIN PHASE 2 TO LAKE #2
11. BEGIN LOT GRADING AND ALL PROPOSED UTILITIES
12. GRADE PHASE 2 CONSTRUCTION TO COMPLETED STORM DRAIN FACILITIES AND LAKE #2
13. ADD TEMPORARY SEEDING TO STABILIZE GRADED SURFACES.
14. COMPLETE LOT GRADING
15. CONSTRUCT ROADWAY AND UTILITIES.
16. FINISH GRADING/TOPSOILING/SEEDING.
17. INSTALL LANDSCAPING.



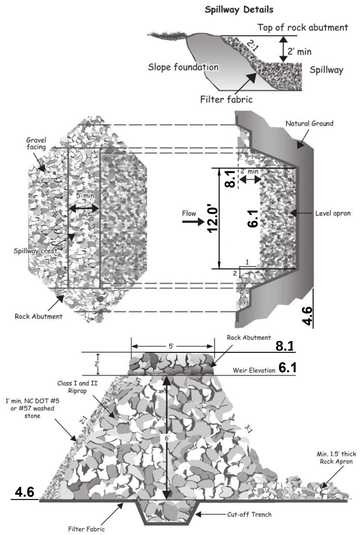
STRAW MULCHING NOTES

1. FOR AREAS OF SITE WITH LESS THAN 30% SLOPE:
   1.1. 2-3 BALES OF STRAW EQUALS 2" OF STRAW MULCH OVER 1,000 SQUARE FEET.
2. MULCH SHALL BE WEED FREE STRAW.
3. TO PROVIDE TEMPORARY SOIL STABILIZATION BY PLANTING GRASSES AND LEGUMES TO AREAS THAT WOULD REMAIN BARE FOR MORE THAN 14 CALENDAR DAYS, OR 7 DAYS IN IDENTIFIED CRITICAL AREAS, WHERE PERMANENT COVER IS NOT NECESSARY OR APPROPRIATE.

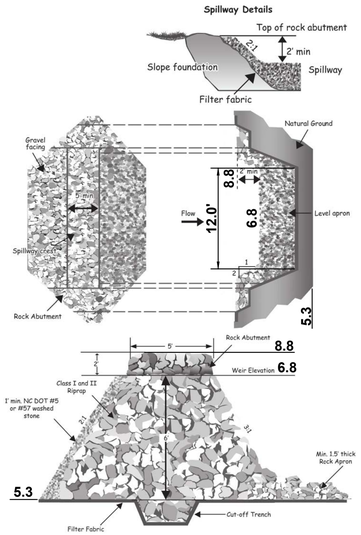
LAND DISTURBANCE & STABILIZATION DETAIL
NOT TO SCALE



TEMPORARY DITCH DETAIL
NOT TO SCALE



TEMPORARY SEDIMENT BASIN w/ ROCK CHECK DAM #1 DETAIL
NOT TO SCALE



TEMPORARY SEDIMENT BASIN w/ ROCK CHECK DAM #2 DETAIL
NOT TO SCALE

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CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
NOTES AND DETAILS
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Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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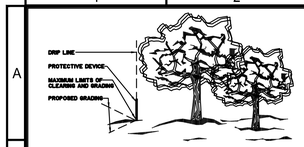
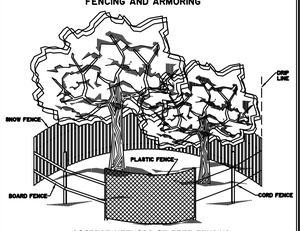
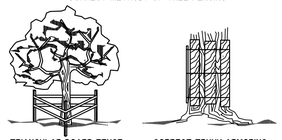


CONSTRUCTION OPERATIONS RELATIVE TO THE LOCATION OF PROTECTED TREES

FENCING AND ARMORING



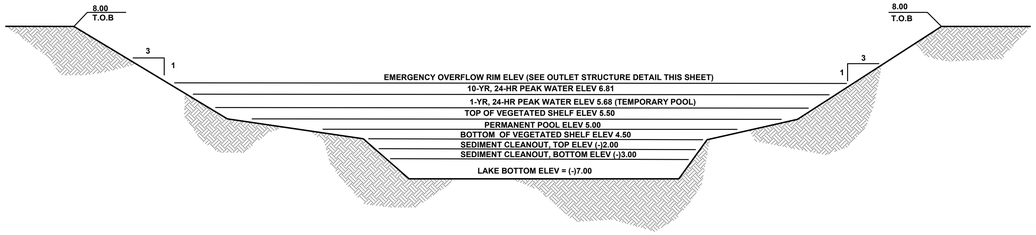
CORRECT METHODS OF TREE FENCING



TRIANGULAR BOARD FENCE

CORRECT TRUNK ARMORING

TP TREE PROTECTION DETAILS



TYPICAL SECTIONS THRU LAKE 1 AND LAKE 2

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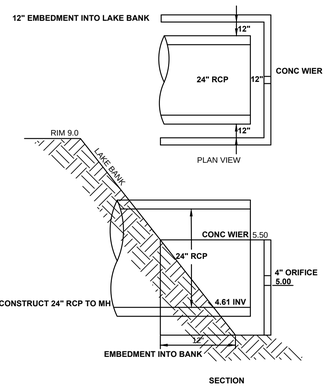
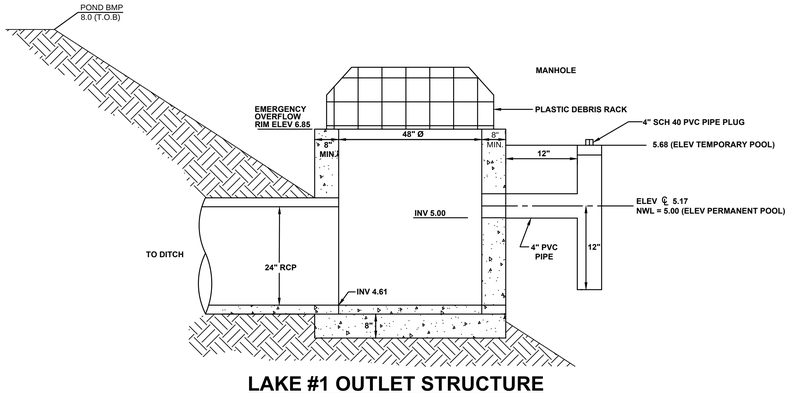


TEMPORARY SEDIMENT BASIN #1
TEMPORARY OUTFALL STRUCTURE

SCALE: NONE



LAKE #1 OUTLET STRUCTURE

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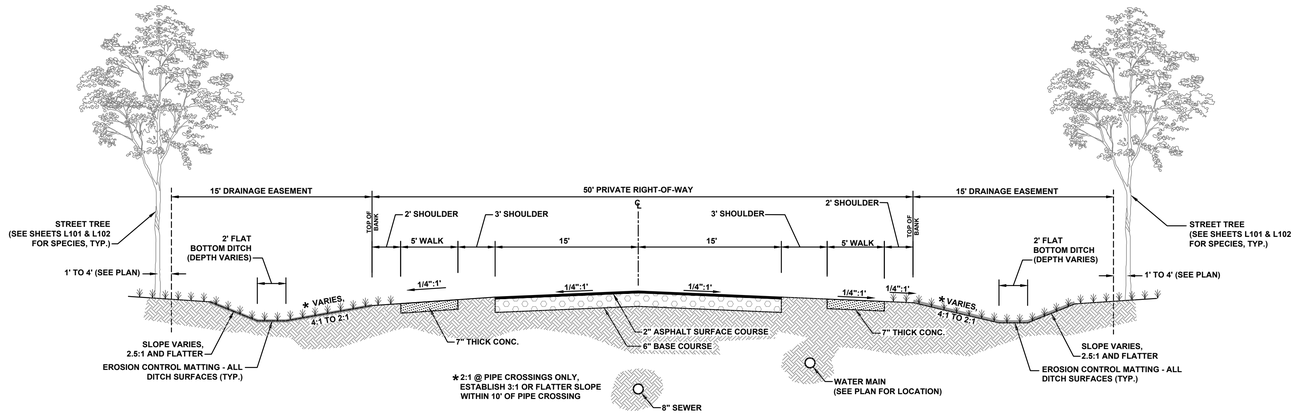

TYPICAL 50' PRIVATE R/W SECTION

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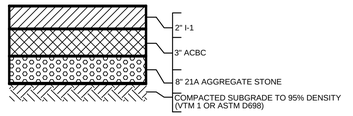

TYPICAL PAVEMENT DETAIL

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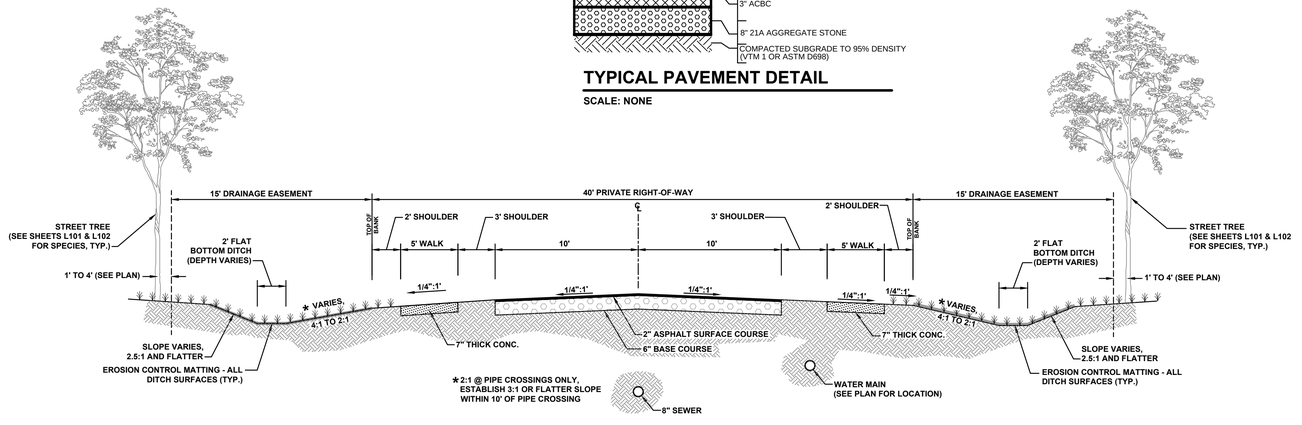

TYPICAL 40' PRIVATE R/W SECTION

SCALE: NONE

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CONSTRUCTION PLAN OF
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FOR
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NOTES AND DETAILS
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02-15-2017
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ENGINEER
STUART W. BONNELL

CONSTRUCTION PLAN OF
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Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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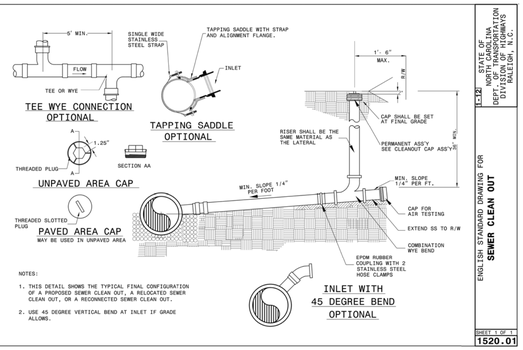
SEWER CLEAN OUT

ENGLISH STANDARD DRAWING FOR SEWER CLEAN OUT



NOTES:

1. THIS DETAIL SHOWS THE TYPICAL FINAL CONFIGURATION OF A PROPOSED SEWER CLEAN OUT, A RELOCATED SEWER CLEAN OUT, OR A RECONNECTED SEWER CLEAN OUT.
2. USE 45 DEGREE VERTICAL BEND AT INLET IF GRADE ALLOWS.

1520.01

PRECAST MANHOLE 4', 5' AND 6' DIAMETER 12" THRU 48" PIPE

ENGLISH STANDARD DRAWING FOR PRECAST MANHOLE 4', 5' AND 6' DIAMETER 12" THRU 48" PIPE

GENERAL NOTES

USE 4000 PSI MINIMUM COMPRESSIVE STRENGTH CONCRETE.

FABRICATE, ASSEMBLE AND DESIGN PRECAST MANHOLE COMPONENTS ACCORDANCE WITH AASHTO M199.

ASSEMBLE RISER AND GRADE RINGS WITH THE STEPS SPACED 12" FROM THE TOP TO THE BOTTOM OF THE MANHOLE.

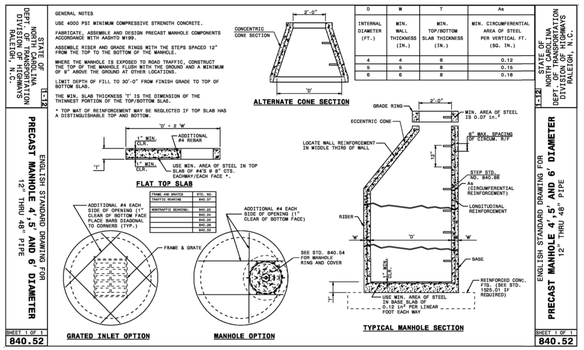
WHERE THE MANHOLE IS EXPOSED TO ROAD TRAFFIC, CONSTRUCT THE TOP OF THE MANHOLE FLUSH WITH THE GROUND AND A MINIMUM OF 9" ABOVE THE GROUND AT OTHER LOCATIONS.

LIMIT DEPTH OF FILL TO 30'-0" FROM FINISH GRADE TO TOP OF BOTTOM SLAB.

THE MIN. SLAB THICKNESS "T" IS THE DIMENSION OF THE THINNEST PORTION OF THE TOP/BOTTOM SLAB.

* TOP MAT OF REINFORCEMENT MAY BE NEGLECTED IF TOP SLAB HAS A DISTINGUISHABLE TOP AND BOTTOM.

D INTERNAL DIAMETER (FT.)	W MIN. WALL THICKNESS (IN.)	T MIN. TOP/BOTTOM SLAB THICKNESS (IN.)	As MIN. CIRCUMFERENTIAL AREA OF STEEL PER VERTICAL FT. (SQ. IN.)
4	4	6	0.12
5	5	8	0.15
6	6	8	0.18

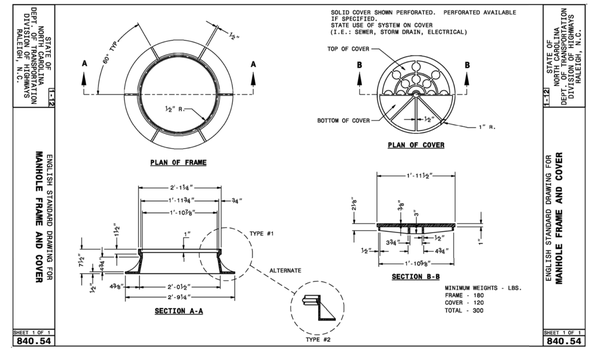


FRAME AND GRATES	STD. NO.
SWITCH BOXING	840.45
MONOLITHIC BOXING	840.50
	840.55
	840.60
	840.65

840.52

MANHOLE FRAME AND COVER

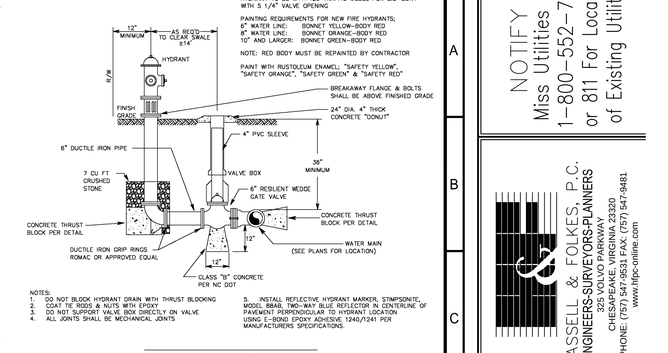
ENGLISH STANDARD DRAWING FOR MANHOLE FRAME AND COVER



840.54

FIRE HYDRANT DETAIL

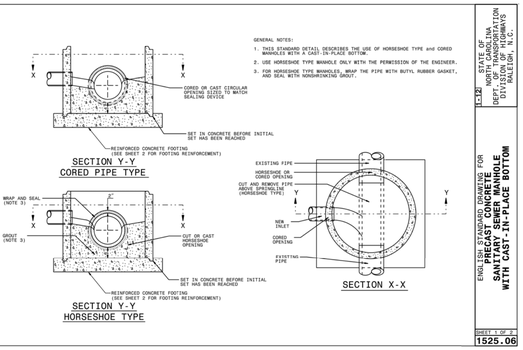
NTS



NOTES:
1. DO NOT BLOCK HYDRANT DRAIN WITH THRUST BLOCKING
2. COAT TIE RODS & NUTS WITH EPOXY
3. DO NOT SUPPORT VALVE BOX DIRECTLY ON VALVE
4. ALL JOINTS SHALL BE MECHANICAL JOINTS
5. INSTALL REFLECTIVE HYDRANT MARKER, STIMPSONITE, MODEL 88AR, TWO-WAY BLUE REFLECTOR IN CENTERLINE OF PAVEMENT PERPENDICULAR TO HYDRANT LOCATION USING E-BOND EPOXY ADHESIVE 1240/1241 PER MANUFACTURERS SPECIFICATIONS.

SANITARY SEWER MANHOLE WITH CAST-IN-PLACE BOTTOM

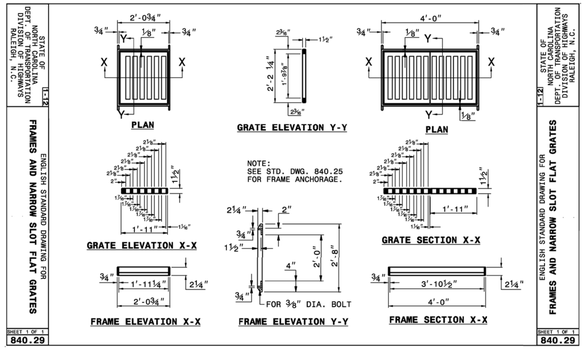
ENGLISH STANDARD DRAWING FOR PRECAST CONCRETE SANITARY SEWER MANHOLE WITH CAST-IN-PLACE BOTTOM



1525.06

FRAMES AND NARROW SLOT FLAT GRATES

ENGLISH STANDARD DRAWING FOR FRAMES AND NARROW SLOT FLAT GRATES



840.29

FLEXIBLE PIPE

Round Corrugated Steel Pipe
2 2/3 x ½ corrugation **

Diameter (Inches)	Minimum cover (Inches)	(Ga)	Maximum Height of Cover (feet) 16	14	12	10	8
12	12		103	133	174	224	275
15	12		102	132	174	224	275
18	12		91	102	144	187	229
21	12		69	87	123	160	195
24	12		60	76	105	139	171
27	12			67	95	123	151
30	12		60	85	111	136	
36	12		50	70	92	113	
42	12			60	79	97	
48	12			50	68	84	
54	12			48	60	74	
60	12				50	62	
66	12					51	
72	12					41	

Round Corrugated Aluminum Pipe
2 2/3 x ½ corrugation **

Diameter (Inches)	Minimum cover (Inches)	(Ga)	Maximum Height of Cover (feet) 16	14	12	10	8
12	12		103	133	174	224	275
15	12		102	132	174	224	275
18	12		91	102	144	187	229
21	12		69	87	123	160	195
24	12		60	76	105	139	171
27	12			67	95	123	151
30	12		60	85	111	136	
36	12		50	70	92	113	
42	12			60	79	97	
48	12			50	68	84	
54	12			48	60	74	
60	12				50	62	
66	12					51	
72	12					41	

** FOR DIFFERENT CORRUGATIONS AND ARCH PIPES REFER TO ROADWAY DESIGN MANUAL OR MANUFACTURERS SPECIFICATION.

REFER TO THE FOLLOWING FOR PIPE SPECIFICATIONS

CSP - AASHTO M36
CAAP - AASHTO M196
HDPE - AASHTO M294
PVC - ASTM F949 or AASHTO M304

HDPE - * (Minimum Fill): 2' for pipe diameters ≤ 12" and ≤ 60"
* (Maximum Fill): 20' for pipe diameters ≤ 24"
17' for pipe diameters ≥ 30" and ≤ 60"

PVC - * (Minimum Fill): 2' for pipe diameters ≤ 12" and ≤ 36"
* (Maximum Fill): 20' for pipe diameters ≤ 12" and ≤ 36"

NOTES: FILL HEIGHTS SHOWN WERE CALCULATED USING AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

1' MINIMUM COVER FOR ALL SIDE DRAIN PIPE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS

* FILL HEIGHT IS MEASURED FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE PAVEMENT STRUCTURE

RIGID PIPE

RCP - * (Minimum Fill): 1' for Class IV & CLASS V
2' for Class III & Class II
* (Maximum Fill): 10' - Class III pipe
20' - Class II pipe
30' - Class IV pipe
40' - Class V pipe
(For fills > 40' & < 80' use LRFD Direct Design Method)

REFER TO THE FOLLOWING FOR PIPE SPECIFICATIONS

RCP - AASHTO M170

NOTES: FILL HEIGHTS SHOWN WERE CALCULATED USING AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

1' MINIMUM COVER FOR ALL SIDE DRAIN PIPE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS

* FILL HEIGHT IS MEASURED FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE PAVEMENT STRUCTURE

300.01

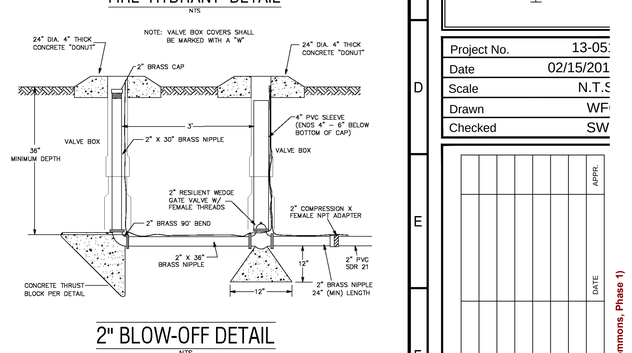
METHOD OF PIPE INSTALLATION

FILL HEIGHT TABLES

ENGLISH STANDARD DRAWING FOR METHOD OF PIPE INSTALLATION FILL HEIGHT TABLES

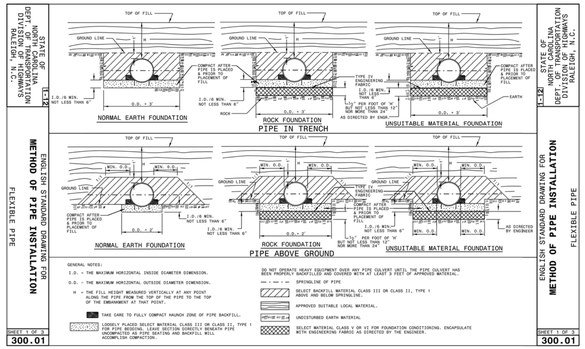
2" BLOW-OFF DETAIL

NTS



METHOD OF PIPE INSTALLATION FLEXIBLE PIPE

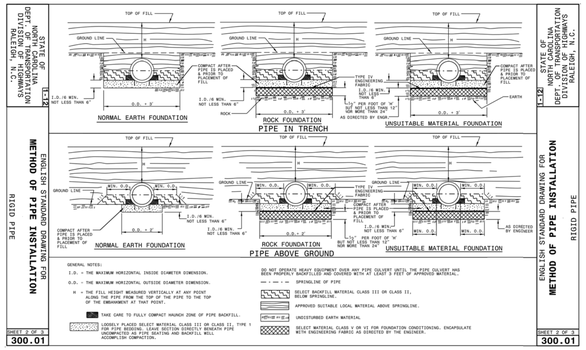
ENGLISH STANDARD DRAWING FOR METHOD OF PIPE INSTALLATION FLEXIBLE PIPE



300.01

METHOD OF PIPE INSTALLATION RIGID PIPE

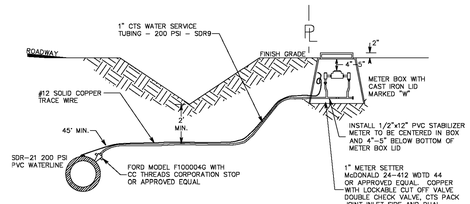
ENGLISH STANDARD DRAWING FOR METHOD OF PIPE INSTALLATION RIGID PIPE



300.01

1" WATER SERVICE LATERAL DETAIL

NTS

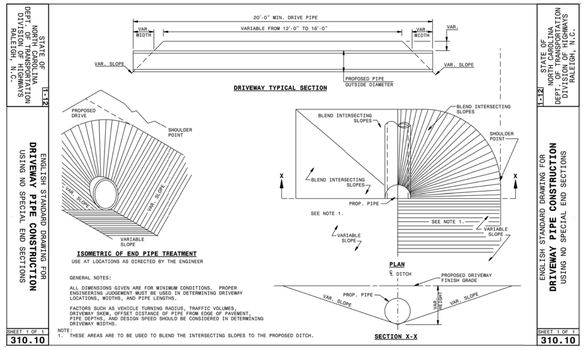


CONTRACTOR TO FURNISH AND INSTALL PLASTIC METER BOX WITH CAST IRON LID AND ANGLE STOP (BY FORD OR McDONALD) TO MEET CURRITUCK COUNTY STANDARDS

CONTRACTOR SHALL PURCHASE METER AND PROVIDE TO CURRITUCK COUNTY WATER DEPARTMENT FOR INSTALLATION (NEPTUNE T10 SERIES OR HERSY 400 SERIES 1" METER)

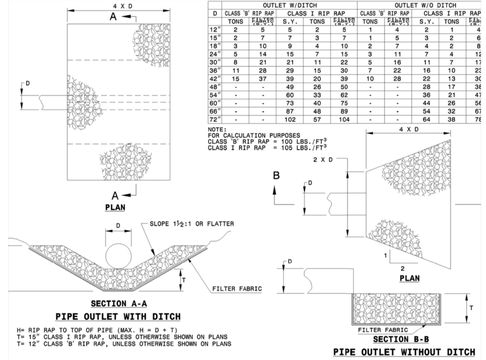
DRIVEWAY PIPE CONSTRUCTION USING NO SPECIAL END SECTIONS

ENGLISH STANDARD DRAWING FOR DRIVEWAY PIPE CONSTRUCTION USING NO SPECIAL END SECTIONS



310.10

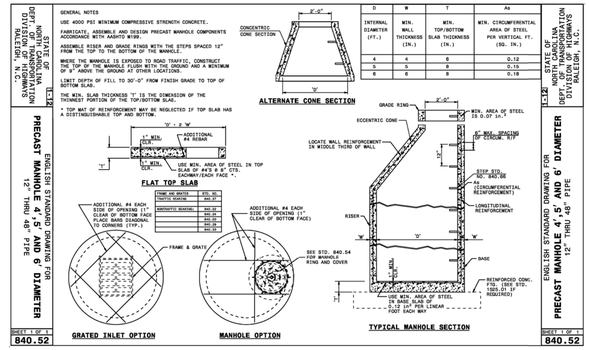
PIPE OUTLET WITH DITCH



OUTLET W/DITCH / OUTLET W/O DITCH

D	CLASS 'B' RIP RAP TONS	CLASS 'B' RIP RAP FILTER CLOTH	CLASS I RIP RAP S.Y.	CLASS I RIP RAP TONS	CLASS I RIP RAP FILTER CLOTH	CLASS 'A' RIP RAP TONS	CLASS 'A' RIP RAP FILTER CLOTH	CLASS I RIP RAP S.Y.	CLASS I RIP RAP TONS	CLASS I RIP RAP FILTER CLOTH
12"	2	5	5	2	5	1	4	2	1	4
15"	2	7	7	3	7	1	5	3	2	6
18"	3	10	9	4	10	2	7	4	2	8
24"	5	14	15	7	15	3	11	7	4	11
30"	8	21	21	11	22	5	16	11	7	17
36"	11	28	29	15	30	7	22	16	10	23
42"	15	37	39	20	39	10	28	22	13	30
48"	-	-	49	26	50	-	-	28	17	38
54"	-	-	60	33	62	-	-	36	21	47
60"	-	-	73	40	75	-	-	44	26	58
66"	-	-	87	48	89	-	-	54	32	69
72"	-	-	102	57	104	-	-	64	38	79

NOTE:
FOR CALCULATION PURPOSES
CLASS 'B' RIP RAP = 100 LBS./FT³
CLASS I RIP RAP = 105 LBS./FT³



PRECAST MANHOLE 4', 5' AND 6' DIAMETER 12" THRU 48" PIPE

ENGLISH STANDARD DRAWING FOR PRECAST MANHOLE 4', 5' AND 6' DIAMETER 12" THRU 48" PIPE

FRAME AND GRATES	STD. NO.
SWITCH BOXING	840.45
MONOLITHIC BOXING	840.50
	840.55
	840.60
	840.65

840.52

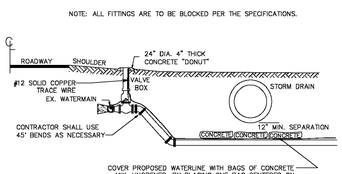
NCDENR BMP MANUAL
TABLE 7-1
REQUIRED INSPECTION FREQUENCY FOR BMPS

INSPECTION FREQUENCY	BMPS
MONTHLY AND WITHIN 24 HOURS AFTER EVERY WATER QUALITY STORM (GREATER THAN 1.5 INCHES IN COASTAL COUNTIES AND GREATER THAN 1.0 INCH ELSEWHERE)	STORMWATER WETLANDS WET DETENTION BASINS BIORETENTION CELLS
QUARTERLY AND WITHIN 24 HOURS AFTER EVERY WATER QUALITY STORM (GREATER THAN 1.5 INCHES IN COASTAL COUNTIES AND GREATER THAN 1.0 INCH ELSEWHERE)	LEVEL SPREADERS INFILTRATION DEVICES SAND FILTERS EXTENDED DRY DETENTION BASINS PERMEABLE PAVEMENT ROOFTOP RUNOFF MANAGEMENT FILTER STRIPS * GRASSED SWALES * RESTORED RIPARIAN BUFFERS *

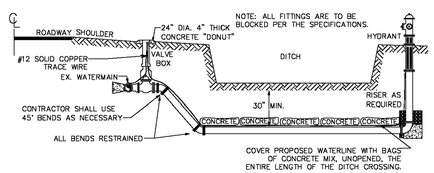
* ALTHOUGH THESE DEVICES REQUIRE QUARTERLY INSPECTION, MOWING WILL USUALLY BE DONE AT MORE FREQUENT INTERVALS DURING THE GROWING SEASON.

ALL INSPECTION AND MAINTENANCE ACTIVITIES SHOULD BE RECORDED. THE CHECKLIST, AT A MINIMUM, SHOULD INCLUDE THE FOLLOWING:
- DATE OF INSPECTION.
- CONDITION OF EACH OF THE BMP ELEMENTS.
- ANY MAINTENANCE WORK THAT WAS PERFORMED (AS WELL AS WHO PERFORMED THE WORK).
- ANY ISSUES NOTED FOR FUTURE MAINTENANCE (SEDIMENT ACCUMULATING, VEGETATION NEEDING PRUNING OR REPLACEMENT, ETC.).

WATER/SEWER CROSSING DETAIL
NTS



CULVERT CROSSING DETAIL
NTS



DITCH CROSSING DETAIL
NTS

Table 7-2
Vegetation Maintenance for BMPs

Maintenance Activity	Instructions
Replacement of Dead Plants	All dead plants should be removed and disposed of. Before vegetation that has failed on a large scale is replaced, the cause of such failure should be investigated. If the cause can be determined, it should be eliminated before any reinstallation.
Fertilization	The objective of fertilizing at a BMP is to secure optimum vegetative growth rather than yield (often the objective with other activities such as farming). Infertile soils should be amended before installation and then fertilized periodically thereafter. Fertilizer can be composed of minerals, organic matter (manure), compost, green crops, or other materials.
Irrigation/ Watering	Watering of the vegetation can often be required during the germination and establishment of the vegetation, as well as occasionally to preserve the vegetation through drought conditions. This can typically be accomplished by pumping water retained in the BMP or from the stream, installing a permanent irrigation system or frost-proof hose bib, or using portable water trucks.
Mulching	Mulching should be used to maintain soil temperature and moisture, as well as site aesthetics. A half-inch layer is typically adequate. Ideally, mulch should be removed before winter to prevent an infestation of rodents.
Weeding	Weeding is often necessary in the first growing season, particularly if herbaceous grasses are out-competing the young woody vegetation growth. The need for weeding may be largely eliminated by minimizing the amount of seed used for temporary erosion control. Weeding may also be required if, over time, invasive or undesirable species are entering the site and out-competing plants that are specifically involved in the treatment of the stormwater.
Cultivating/ Hoeing	Hoeing is often required to loosen overly compacted soil and eliminate weeds that compete with the desirable vegetation.
Pruning	Pruning is used to trim to shape and remove dead wood. It can force single-shoot shrubs and trees to assume a bushier configuration.
Thinning	Thinning dense brush may be necessary for particular species to thrive, increase the vigor of individual specimens, to reduce flow obstructions, and to increase the ability of maintenance staff to access the entire BMP. Tall maturing trees, for the most part, have no place in a BMP (except for buffers) and should be removed as soon as possible.
Staking	Saplings of tall trees planted in or near the BMP may require staking. Care should be taken not to damage the tree's roots with stakes. Stakes should be kept in place for 6 to 18 months, and the condition of stakes and ties should be checked periodically.
Wound Dressing	The wounds on any trees found broken off or damaged should be dressed following recommendations from a trained arborist.

Table 7-2, continued
Vegetation Maintenance for BMPs

Maintenance Activity	Instructions
Disease Control	Based on monitoring observations, either insecticides or (preferably) organic means of pest and fungal control should be used.
Protection from Animals and Human Foot Traffic	Fencing and signage should be installed to warn pedestrians and to prevent damage due to trampling. These measures are often most necessary during the early phases of installation but may be required at any time. Measures for controlling human foot traffic include signs, fencing, floating log barriers, impenetrable bushes, ditches, paths, and piled brush. Wildlife damage is caused by the animals browsing, grazing, and rubbing the plants. The use of chemical wildlife repellents should be avoided. Fences and meshes can be used to deter entry to the BMP. Tree tubes can be used to prevent damage to individual specimens.
Mowing	Mowing of perennial herbaceous grasses and wildflowers, especially once seed heads have set, promotes redistribution of seed for this self-sustaining system. Mowing should be carefully controlled, however, especially when performed for aesthetics. As adjacent property owners and customers in general learn more about BMPs, their vision of what is aesthetically pleasing can change. Grasses, in healthy herbaceous stands, should never be mown more than once per year.

NOTIFY
Miss Utilities At
1-800-552-700
or 811 For Locatior
of Existing Utilities

HASSELL & FOLKES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
325 VOLVO PARKWAY
CHESAPEAKE, VIRGINIA 23320
PHONE: (757) 547-9531 FAX: (757) 547-9481
www.hfpc-online.com

Project No.	13-051
Date	02/15/2017
Scale	N.T.S
Drawn	WFC
Checked	SWE

MARK	REVISION	DATE	APPR.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 019907 STUART W. BONNELL
02-15-2017

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
NOTES AND DETAILS
TAX PARCEL 00150000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

C122

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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50' VEGETATED FARM BUFFER
(ALONG THE REAR OF LOTS 27 THRU 43)

SECONDARY CONSERVATION AREA

SECONDARY CONSERVATION AREA

PARKLAND COMMONS LANE
(40' PRIVATE R/W)

MOYOCK COMMONS LANE
(40' PRIVATE R/W)

PARKVIEW COMMONS DRIVE
(40' PRIVATE R/W)

MATCHLINE, SEE THIS SHEET FOR CONTINUATION

MATCHLINE, SEE SHEET L102 FOR CONTINUATION

SECONDARY CONSERVATION AREA

SECONDARY CONSERVATION AREA

TYPE A LANDSCAPE BUFFER
(ALONG THE REAR OF LOTS 46 THRU 55 & LAKE#2)

MOYOCK COMMONS DRIVE
(80' PUBLIC R/W)
(P.C. F. SL. 139)

SEE SHEET L103 FOR LANDSCAPE PLANTING DETAILS AND GENERAL NOTES

PRIMARY CONSERVATION AREA | SECONDARY CONSERVATION AREA

SEC
CO

MATCHLINE, SEE THIS SHEET FOR CONTINUATION

PRIMARY CONSERVATION AREA

PARKVIEW COMMONS DRIVE
(40' PRIVATE R/W)

CONSERVATION AREA NOTES:

1. NO LAND DISTURBING ACTIVITIES SHALL OCCUR WITHIN THE PRIMARY CONSERVATION AREA LOCATED AT THE SOUTH END OF THE DEVELOPMENT (SEE PLAN FOR LIMITS).
2. THE CONTRACTOR IS TO PRESERVE AS MANY TREES AS POSSIBLE TO THE GREATEST EXTENT POSSIBLE WITHIN THE SECONDARY CONSERVATION AREAS, SEE SECTION 5.2.3 OF THE CURRITUCK COUNTY UDO.

STREET TREE NOTES:

1. STREET TREE LOCATIONS ARE APPROXIMATE DUE TO INDIVIDUAL LOT DRIVEWAY LOCATIONS, ETC.
2. STREET TREES SHALL BE PLANTED AFTER FINAL GRADING FOR THE INDIVIDUAL LOTS.

DENOTES CONSERVATION AREA
(SEE PLAN FOR LIMITS)

PLANTING PLAN SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	CALIPER	HEIGHT	SPACING
TREES						
T-1	50	Taxodium distichum	BALD CYPRESS	2" MIN	6'-8' MIN	AS SHOWN
T-2	80	Platanus x acerifolia	LONDON PLANETREE	2" MIN	6'-8' MIN	AS SHOWN
T-3	39	Quercus coccinea	SCARLET OAK	2" MIN	6'-8' MIN	AS SHOWN
T-4	93	Platanus occidentalis	SYCAMORE	2" MIN	6'-8' MIN	AS SHOWN
T-5	95	Acer rubrum	RED MAPLE	2" MIN	6'-8' MIN	AS SHOWN
T-6	74	Quercus virginiana	LAUREL OAK	2" MIN	6'-8' MIN	AS SHOWN
T-7	58	Cercis canadensis	EASTERN REDBUD	1-1/2" MIN	6'-8' MIN	AS SHOWN
T-8	58	Lagerstroemia indica	CREPE MYRTLE	1-1/2" MIN	6'-8' MIN	AS SHOWN

DENOTES T-1
DENOTES T-2
DENOTES T-3
DENOTES T-4
DENOTES T-5
DENOTES T-6
DENOTES T-7
DENOTES T-8

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

NOTIFY
Miss Utilities At
1-800-552-7001
or 811 For Location
of Existing Utilities

HASSELL & FOLKES, P.C.
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PHONE: (757) 547-9533 FAX: (757) 547-9461
www.hfpc-online.com

Project No.	13-05
Date	02/15/201
Scale	1" = 5
Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
STUART W. BONNELL
02-15-2017
019907

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
LANDSCAPE PLAN
TAX PARCEL 00150000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

L101

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

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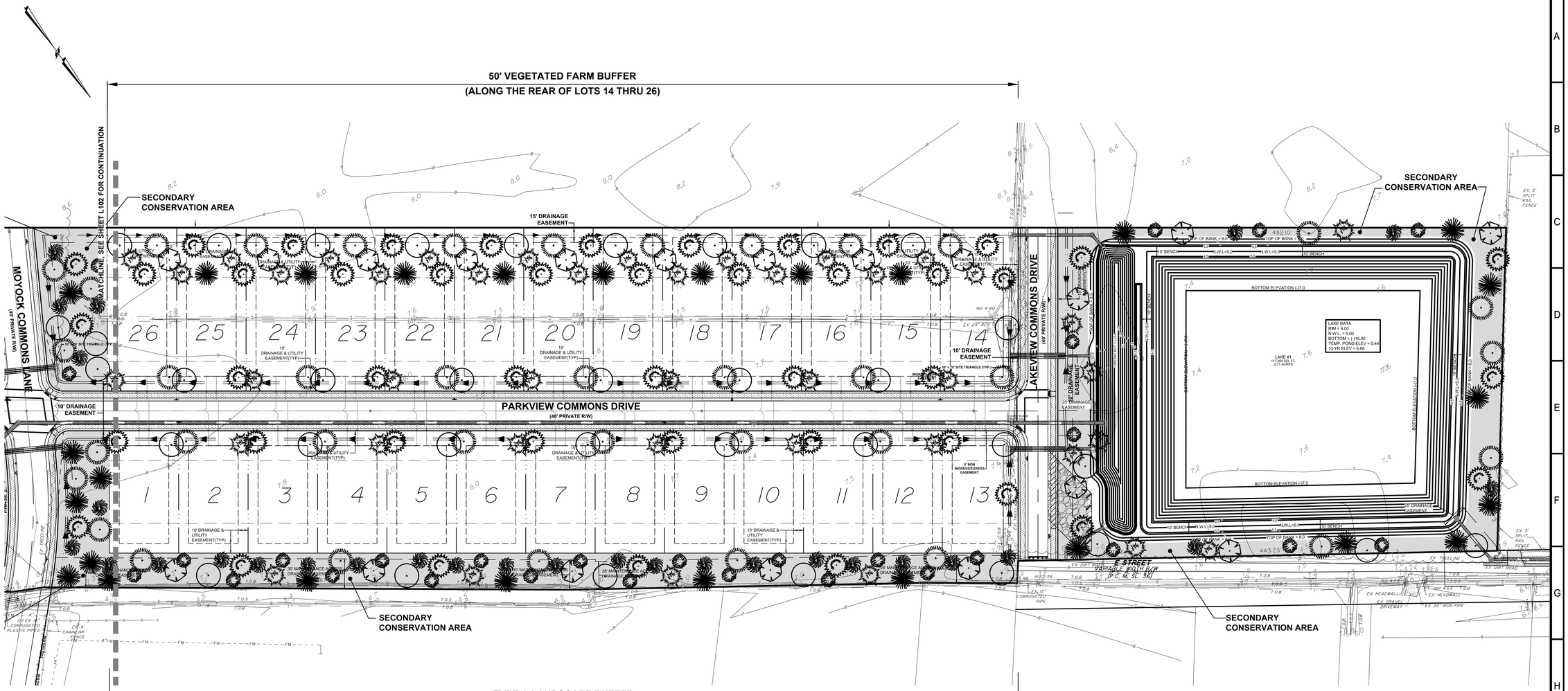


DENOTES CONSERVATION AREA (SEE PLAN FOR LIMITS)

CONSERVATION AREA NOTES:

1. NO LAND DISTURBING ACTIVITIES SHALL OCCUR WITHIN THE PRIMARY CONSERVATION AREA LOCATED AT THE SOUTH END OF THE DEVELOPMENT (SEE PLAN FOR LIMITS).
2. THE CONTRACTOR IS TO PRESERVE AS MANY TREES AS POSSIBLE TO THE GREATEST EXTENT POSSIBLE WITHIN THE SECONDARY CONSERVATION AREAS, SEE SECTION 5.2.3 OF THE CURRITUCK COUNTY UDO.

STREET TREE NOTES:

1. STREET TREE LOCATIONS ARE APPROXIMATE DUE TO INDIVIDUAL LOT DRIVEWAY LOCATIONS, ETC.
2. STREET TREES SHALL BE PLANTED AFTER FINAL GRADING FOR THE INDIVIDUAL LOTS.

SEE SHEET L103 FOR LANDSCAPE PLANTING DETAILS AND GENERAL NOTES

PLANTING PLAN SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	CALIPER	HEIGHT	SPACING
TREES						
T-1	50	Taxodium distichum	BALD CYPRESS	2" MIN	6'-8' MIN	AS SHOWN
T-2	80	Platanus x acerifolia	LONDON PLANETREE	2" MIN	6'-8' MIN	AS SHOWN
T-3	39	Quercus coccinea	SCARLET OAK	2" MIN	6'-8' MIN	AS SHOWN
T-4	93	Platanus occidentalis	SYCAMORE	2" MIN	6'-8' MIN	AS SHOWN
T-5	95	Acer rubrum	RED MAPLE	2" MIN	6'-8' MIN	AS SHOWN
T-6	74	Quercus virginiana	LAUREL OAK	2" MIN	6'-8' MIN	AS SHOWN
T-7	58	Cercis canadensis	EASTERN REDBUD	1-1/2" MIN	6'-8' MIN	AS SHOWN
T-8	58	Lagerstroemia indica	CREPE MYRTLE	1-1/2" MIN	6'-8' MIN	AS SHOWN

DENOTES T-1
DENOTES T-2
DENOTES T-3
DENOTES T-4
DENOTES T-5
DENOTES T-6
DENOTES T-7
DENOTES T-8

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

NOTIFY
Miss Utilities At
1-800-552-7001
or 811 For Location
of Existing Utilities

HASSELL & FOLKES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
325 VOLVO PARKWAY
CHESAPEAKE, VIRGINIA 23320
PHONE: (757) 547-9533 FAX: (757) 547-9461
www.hfpc-online.com

Project No.	13-05
Date	02/15/201
Scale	1" = 10
Drawn	WF
Checked	SW

MARK	REVISION	DATE	APPR.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
STUART W. BONNELL
02-15-2017
019907

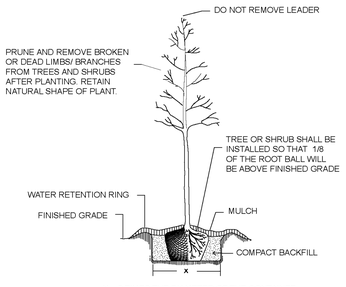
CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
LANDSCAPE PLAN
TAX PARCEL 001500000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

L102

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

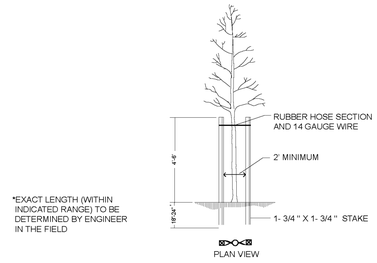
E:\Projects\Moyock Commons - 1305\CURRENT\MC_LSP.dwg, 2/15/2017 3:38:01 PM, DWG To PDF.pc3

Tree or Shrub Planting Detail
level ground



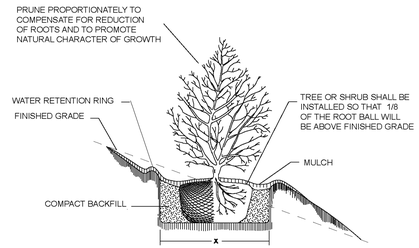
X = 2 TIMES THE DIAMETER OF THE CONTAINER OR THE ROOT BALL DIAMETER

Staking Detail
for trees 6 to 10



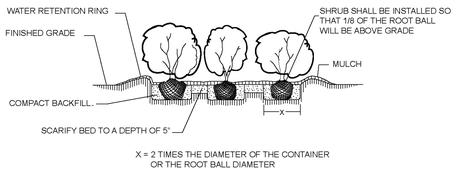
*EXACT LENGTH (WITHIN INDICATED RANGE) TO BE DETERMINED BY ENGINEER IN THE FIELD

Tree or Shrub Planting Detail
sloping ground



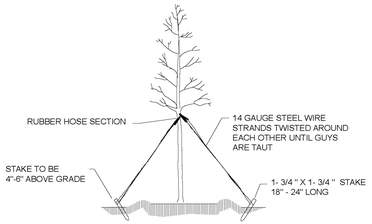
X = 2 TIMES THE DIAMETER OF THE CONTAINER OR THE ROOT BALL DIAMETER

Shrub Bed Planting Detail

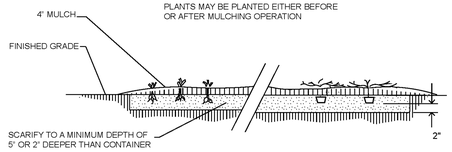


X = 2 TIMES THE DIAMETER OF THE CONTAINER OR THE ROOT BALL DIAMETER

Tree Guying Detail
for trees 10 or larger

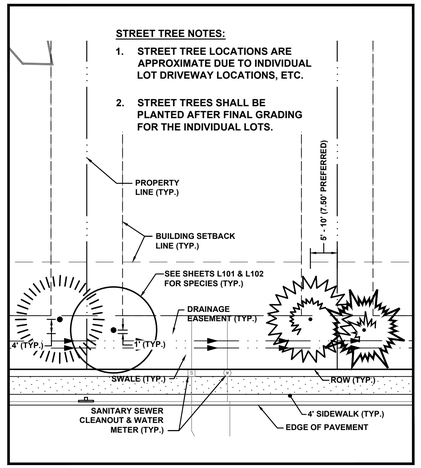


Groundcover/ Perrenial/ Annual Planting Detail



STREET TREE NOTES:

1. **STREET TREE LOCATIONS ARE APPROXIMATE DUE TO INDIVIDUAL LOT DRIVEWAY LOCATIONS, ETC.**
2. **STREET TREES SHALL BE PLANTED AFTER FINAL GRADING FOR THE INDIVIDUAL LOTS.**



TYPICAL STREET TREE LOCATION DETAIL

SCALE: 1"=20'

LANDSCAPING SPECIFICATIONS

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, ETC. NECESSARY TO COMPLETE ALL PLANTING AS SHOWN ON THIS DRAWING, AS SPECIFIED HEREIN AND/OR AS REQUIRED BY JOB CONDITIONS. THE WORK IN GENERAL INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING: (1)
2. PROVIDE ALL PLANT MATERIAL AS INDICATED, (2) EXCAVATION OF TREE PITS, (3) BACKFILL FOR TREE PITS, (4) FERTILIZING, GUYING, WRAPPING, (5) MAINTENANCE AND GUARANTEE, (6) ALL OTHER ITEMS NECESSARY TO MAKE WORK COMPLETE.
3. TOPSOIL SHALL BE SUPPLIED BY THE OWNER IN NECESSARY QUANTITY. THE CONTRACTOR MAY USE TOPSOIL AFTER SECURING SOIL TEST (V.P.I.) AND APPLYING RECOMMENDED TREATMENT THEREOF. TOPSOIL SHALL BE FRIABLE, FERTILE, FINE LOAM OF NATURAL CHARACTERIZATIONS TYPICAL OF TOPSOIL OF LOCALITY, FREE OF NOXIOUS WEEDS, STONES LARGER THAN TWO INCHES, AND ALL OTHER DELETERIOUS MATERIAL.
4. FERTILIZER SHALL BE OF 5-10-10 FORMULAE, OF A RECOGNIZED MANUFACTURER OF COMMERCIAL FERTILIZER, AND SHALL CONFORM TO THE APPLICABLE STATE AND LOCAL FERTILIZER LAWS. IT SHALL BE UNIFORM IN COMPOSITION, DRY AND FREE FLOWING, SHALL NOT BE STORED IN DIRECT CONTACT WITH THE GROUND AND SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL, UNOPENED CONTAINERS,
5. SHALL BE "AZALEA AND CAMELLIA SPECIAL" OF A RECOGNIZED MANUFACTURER BEARING THE MANUFACTURER'S GUARANTEE ANALYSIS. AZALEA-CAMELLIA FERTILIZER
6. STAKES FOR SUPPORTING TREES SHALL BE 2 INCHES SQUARE OR ROUND, BY EIGHT 8 FEET SOUND WOOD, TREATED FOR ONE-HALF THEIR LENGTH WITH CREOSOTE OR OTHER APPROVED WOOD PRESERVATIVE. WIRE FOR FASTENING TREES TO STAKES SHALL BE NO. 12 GAUGE PLIABLE GALVANIZED IRON. HOSE TO ENCASE GUY WIRES OR WIRES USED FOR FASTENING TREES TO STAKES SHALL BE NEW OR USED 2-PLY REINFORCED RUBBER GARDEN HOSE.
7. PEAT MOSS SHALL BE BROWN; ACID REACTION ABOUT 5-1/2 TO 7 PH; LOW IN CONTENT OF WOODY MATERIAL AND FREE OF MATERIAL MATTER HARMFUL TO PLANT LIFE; WATER ABSORBING CAPACITY; 100 TO 200 PERCENT;MOISTURE CONTENT 30 PERCENT NATURAL SHREDDED OR GRANULATED.
8. THE CONTRACTOR SHALL MAKE, AT HIS EXPENSE, WHATEVER ARRANGE- MENTS MAY BE NECESSARY TO ENSURE AN ADEQUATE SUPPLY OF WATER TO MEET THE NEEDS OF THIS CONTRACT. HE SHALL ALSO FURNISH ALL NECESSARY HOSE, EQUIPMENT ATTACHMENTS AND ACCESSORIES FOR THE ADEQUATE IRRIGATION OF LAWNS AND PLANTED AREAS AS MAY BE REQUIRED.
9. MULCH SHALL BE CLEAN COARSE PINE BARK MULCH OF APPROVED KIND AS GENERALLY AVAILABLE AT LOCAL MARKETS, APPLIED 3 INCHES IN DEPTH OVER ALL BEDS, SHRUBS AND TREE PLANTINGS, EXCEPT THAT, WHERE SLOPES INDICATE LIKELIHOOD OF WASH, CLEAN BALED WHEAT STRAW SHALL BE USED. AT DRAINAGE DISPERSION POINTS OR ALONG NATURAL WATER WAYS WHERE CONCENTRATIONS OF SURFACE WATER EMPTY FROM CULVERT OR PAVED DITCH. SOIL SAVER OR OTHER HEAVY JUTE MESH SHALL BE INSTALLED IN APPROVED MANNER AND TO SUCH EXTENT AS WILL PREVENT EROSION. ALL AZALEA AND CAMELLIA PLANTING BEDS SHALL REQUIRE ONE INCH OF PINE STRAW MULCH UNDER THE 3 INCHES OF BARK MULCH.
10. THE NAMES OF PLANTS REQUIRED UNDER THIS CONTRACT CONFORM TO THOSE GIVEN IN STANDARDIZED PLANT NAMES, 1942 EDITION, PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE. NAMES OF VARIETIES NOT INCLUDED THEREIN CONFORM GENERALLY WITH NAMES ACCEPTED IN THE NURSERY TRADE. PLANTS SHALL HAVE A HABIT OF GROWTH THAT IS NORMAL FOR THE SPECIES AND SHALL BE SOUND, HEALTHY, VIGOROUS, WITH WELL DEVELOPED ROOT SYSTEMS AND FREE FROM INSECT PESTS, PLANT DISEASES, AND INJURIES. ALL PLANTS SHALL EQUAL OR EXCEED THE MEASUREMENTS SPECIFIED IN THE PLANT LIST, WHICH ARE MINIMUM ACCEPTABLE SIZES. TREES SHALL HAVE SINGLE TRUNKS EXCEPT AS NOTED. ALL SHRUBS SHALL BE HEALTHY, VIGOROUS, AND OF GOOD COLOR. ANY NECESSARY PRUNING SHALL BE DONE AT TIME OF PLANTING, HOWEVER, NO PLANT SUPPLIED UNDER THIS CONTRACT SHALL BE PRUNED BACK TO SUCH EXTEND THAT IT NO LONGER MEETS SPECIFICATIONS. REQUIREMENTS FOR THE MEASUREMENTS, BRANCHING, GRADING, QUALITY, BALLING, AND BURLAPPING OF PLANTS IN THE PLANT LIST GENERALLY FOLLOW THE CODE OF STANDARDS CURRENTLY RECOMMENDED BY THE AMERICAN STANDARD FOR NURSERY STOCK. SUBSTITUTIONS WILL BE PERMITTED ONLY UPON SUBMISSION OF PROOF THAT ANY PLANT IS NOT OBTAINABLE AND AUTHORIZATION BY THE OWNER OF A CHANGE ORDER PROVIDING FOR USE OF THE NEAREST EQUIVALENT OBTAINABLE SIZE OR VARIETY OF PLANT HAVING THE SAME ESSENTIAL CHARACTERISTICS WITH AN EQUITABLE ADJUSTMENT OF CONTRACT PRICE.
11. BALLED AND BURLAPPED PLANTS ("B & B") SHALL BE DUG WITH FIRM, NATURAL BALLS OF EARTH OF SUFFICIENT DIAMETER AND DEPTH TO ENCOMPASS THE FIBROUS AND FEEDING ROOT SYSTEM NECESSARY FOR FULL RECOVERY OF THE PLANT. BALLS SHALL BE FIRMLY WRAPPED WITH BURLAP OR SIMILAR MATERIAL AND BOUND WITH TWINE OR CORD. PLANTS NOTED "POT" ON THE PLANT LIST MUST BE POT-GROWN WITH WELL ESTABLISHED ROOT SYSTEMS. NO CANNED PLANT SHALL BE LOOSE IN THE ROOT BALL. ALL PLANTS INJURED AND PLANTS WITH ROOT BALLS BROKEN DURING PLANTING OPERATIONS WILL BE REJECTED. THE BALLS "B & B" PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY ON DELIVERY SHALL BE COVERED WITH MOIST SOIL OR MULCH, OR OTHER PROTECTION FROM DRYING WINDS AND SUN. BARE-ROOTED PLANTS ("BR") SHALL BE PLANTED OR HEELED-IN IMMEDIATELY UPON DELIVERY. ALL PLANTS SHALL BE WATERED AS NECESSARY UNTIL PLANTED. THE CONTRACTOR SHALL BE NOTIFIED BY THE OWNER, WHEN OTHER DIVISIONS OF THE WORK HAVE PROGRESSED SUFFICIENTLY, TO COMMENCE WORK OF PLANTING OPERATION. THEREAFTER, PLANTING OPERATIONS SHALL BE CONDUCTED UNDER FAVORABLE WEATHER CONDITIONS DURING THE NEXT SEASON OR SEASONS WHICH ARE NORMAL FOR SUCH WORK. REMOVAL OF ROCK OR OTHER UNDERGROUND OBSTRUCTIONS, RELOCATIONS OR CONSTRUCTION, AND PROVISION OF DRAINAGE FOR PLANTING AREAS SHALL BE DONE ONLY AS DIRECTED BY THE OWNER.
12. NEW PLANTING SHALL BE LOCATED WHERE SHOWN ON THE PLAN EXCEPT WHERE OBSTRUCTIONS BELOW GROUND ARE ENCOUNTERED OR WHERE CHANGES HAVE BEEN MADE ONLY AFTER APPROVAL BY THE OWNER. REASONABLE CARE SHALL BE EXERCISED TO HAVE PLANTING PITS DUG AND SOIL PREPARED PRIOR TO MOVING PLANTS TO THEIR RESPECTIVE LOCATIONS TO ENSURE THAT THEY WILL NOT BE UNNECESSARILY EXPOSED TO DRYING ELEMENTS OR TO PHYSICAL DAMAGE. DIAMETER OF PITS FOR TREES AND "B & B" SHRUBS AND VINES SHALL BE AT LEAST TWO FEET GREATER THAN THE DIAMETER OF THE BALL OR SPREAD OR ROOTS.
13. SOIL USED IN PLANTING SHALL BE SUITABLE EXISTING SOIL. VERY POOR SOIL, GRAVE, HARD-PAN, OR OTHER SOIL INJURIOUS TO PLANTS SHALL NOT BE USED. EXCEPT FOR ERICACEOUS PLANTS, VERY ACID OR SOUR SOIL (HAVING A PH OF LESS THAN 6) SHALL BE THOROUGHLY MIXED WITH SUFFICIENT LIME TO PRODUCE A SLIGHTLY ACID REACTION (A PH OF 6 TO 6.5).
14. ALL PLANTS SHALL BE PLANTED UPRIGHT AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO ADJACENT STRUCTURES. NO BURLAP SHALL BE PULLED OUT FROM UNDER BALLS. ROOTS SHALL BE SPREAD IN THEIR NORMAL POSITION. ALL BROKEN OR FRAYED ROOTS SHALL BE CUT OFF CLEANLY. TREES SHALL BE SUPPORTED IMMEDIATELY AFTER PLANTING. ALL TREES SHALL BE STAKED. WIRES SHALL BE ENCASED IN HOSE TO PREVENT DIRECT CONTACT WITH BARK OF THE TREE AND SHALL BE PLACED AROUND THE TRUNK IN SINGLE LOOP. WIRES SHALL BE TIGHTENED AND KEPT TAUT. STAKES SHALL BE EQUALLY SPACED ABOUT EACH TREE AND THE END TREATED WITH WOOD PRESERVATIVE SHALL BE DRIVEN VERTICALLY INTO THE GROUND TO A DEPTH OF 2-1/2 TO 3 FEET IN SUCH MANNER AS NOT TO INJURE THE BALL OR ROOTS.
15. GROUND COVER SHALL BE PLANTED IN BEDS HAVING A MINIMUM DEPTH OF 6 INCHES. PLANTS SHALL BE EVENLY SPACED AND SET TO FINISHED GRADE LEVEL, AFTER SETTLEMENT. ALL PLANTS SHALL BE MULCHED WITH A 3-INCH LAYER OF PINE BARK MULCH WITHIN TWO DAYS AFTER PLANTING. THIS MULCH SHALL ENTIRELY COVER THE AREA OF THE PLANTING PIT, BED, OR SAUCER AROUND EACH PLANT. AT THE TIME OF PLANTING, EACH PLANT AND THE SOIL AROUND IT SHALL BE THOROUGHLY SATURATED WITH WATER AND AS MANY TIMES LATER AS SEASONABLE CONDITIONS REQUIRE, UNTIL ACCEPTANCE OF THE WORK. CARE SHOULD BE EXERCISED WHEN WATERING TO AVOID FLOODING OF PLANTS AND BEDS, DISPLACEMENT OF MULCH MATERIAL AND EROSION OF SOIL. AVOID USE OF HIGH PRESSURE HOSES. AFTER ALL OTHER WORK IS COMPLETED, BARK MULCH SHALL BE SPREAD TO A DEPTH OF 3 INCHES MINIMUM AROUND ALL PLANTING BEDS.
16. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING. NEW PLANTING SHALL BE PROTECTED AS MAINTAINED FOR A PERIOD OF TEN (10) WEEKS AFTER FINAL ACCEPTANCE OF THE WORK BY THE OWNER. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, CULTIVATING, MULCHING, REMOVAL OF DEAD MATERIALS, RESETTING PLANTS TO PROPER GRADES OR UPRIGHT POSITION, RESTORATION OF PLANTING SAUCER, AND OTHER NECESSARY OPERATIONS. PROPER PROTECTION TO EXISTING LAWN AREAS SHALL BE PROVIDED AND ANY DAMAGE RESULTING FROM PLANTING OPERATIONS SHALL BE REPAIRED PROMPTLY. ADEQUATE PROTECTION FOR LAWN AREAS AGAINST TRESPASSING DURING PLANTING OPERATIONS AND AGAINST DAMAGE OF ANY KIND SHALL BE PROVIDED. NOTHING IN THESE SPECIFICATIONS IS INTENDED TO RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO REPAIR EXISTING LAWN AREAS DAMAGED BY WORKMEN ENGAGED IN THE COMPLETION OF THIS PROJECT.
17. INSPECTION OF THE WORK TO DETERMINE COMPLETION OF THE CONTRACT EXCLUSIVE OF THE POSSIBLE REPLACEMENT OF PLANTINGS, WILL BE MADE BY THE ENGINEER'S LANDSCAPER DESIGNER AT THE CONCLUSION OF THE INSTALLATION PERIOD UPON WRITTEN NOTICE REQUESTING SUCH INSPECTION. REQUEST SHALL BE SUBMITTED BY CONTRACTOR AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED DATE FOR INSPECTION. AFTER INSPECTION, THE CONTRACTOR WILL BE NOTIFIED IN WRITING BY THE OWNER OF ACCEPTANCE OF THE WORK, EXCLUSIVE OF THE POSSIBLE REPLACEMENT OF PLANTS SUBJECT TO GUARANTY; OR, IF THERE ARE ANY DEFICIENCIES, THE CONTRACTOR WILL BE NOTIFIED OF THE REQUIREMENTS NECESSARY FOR COMPLETION OF THE WORK.
18. NURSERY STOCK SHALL BE FULLY GUARANTEED FOR ONE FULL YEAR. ALL PLANTS THAT FAIL TO MAKE NEW GROWTH FROM A DORMANT CONDITION OR THAT DIE DURING THE FIRST YEAR AFTER PLANTING SHALL BE REPLACED. ALL REPLACEMENTS SHALL CONFORM WITH THE ORIGINAL SPECIFICATIONS AS TO SIZE AND TYPE. ALL GUARANTEES ARE PREDICATED ON THE ASSURANCE THAT THE OWNER HAS PROPERLY CARED FOR ALL PLANTS AFTER THE CONTRACTOR HAS BEEN RELEASED FROM HIS MAINTENANCE OBLIGATIONS. IN THE EVENT THAT A DIFFERENCE OF OPINION SHALL ARISE OVER THE REPLACEMENT OF ANY PLANT, THE DECISION OF THE ENGINEER'S LANDSCAPE DESIGNER SHALL BE FINAL. ALL COSTS OF REPLACEMENTS SHALL BE BORNE BY THE CONTRACTOR.
19. **METHOD OF MEASUREMENT AND BASIS FOR PAYMENT:**
20. LANDSCAPING WILL NOT BE MEASURED BUT SHALL INCLUDE ALL STOCK, EXCAVATION, INSTALLATION, TOPSOIL, BACKFILLING, FERTILIZER, GUYING, MULCH, TESTING, MAINTENANCE, AND GUARANTEES REQUIRED FOR THE COMPLETION OF CONSTRUCTION AS SHOWN. PAYMENT FOR THE WORK SPECIFIED HEREIN SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR LANDSCAPE PLANTING.
21. THE LUMP SUM PRICE SHALL INCLUDE ALL MATERIALS, LABOR, EQUIPMENT, PERMITS, INSPECTION, TESTING, AND SUPERVISION REQUIRED TO PERFORM THE LANDSCAPING WORK. THE BIDDER SHALL INCLUDE WITH HIS LUMP SUM PRICE HIS ESTIMATE OF THE NATURE AND QUANTITIES OF EACH PHASE OF WORK AND SHALL
22. FURNISH A COMPLETE DETAILED COST BREAKDOWN OF EACH PHASE APPLICABLE IN ARRIVING AT HIS LUMP SUM BID PRICE INCLUDING THOSE NOT LISTED ON THE BID LIST SHEET.
23. THE BIDDER MAY ADD ADDITIONAL ITEMS WHICH HE CONSIDERS CONTRIBUTING TO THE SCOPE OF WORK INCLUDED IN HIS LUMP SUM PRICE.

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MARK	REVISION	DATE	APPR.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
STUART W. BONNELL
02-15-2017
019907

CONSTRUCTION PLAN OF
MAJOR SUBDIVISION
FOR
MOYOCK COMMONS
TAX PARCEL 001500000790000
MOYOCK TOWNSHIP
CURRITUCK COUNTY, NORTH CAROLINA

LANDSCAPE NOTES & DETAILS

L103

Attachment: MC_SP (1822 : PB 13-12 Moyock Commons, Phase 1)

E:\Projects\Moyock Commons - 13051\CURRENT\MC_LSP.dwg, 2/15/2017 3:38:04 PM, DWG To PDF.pc3

Currituck County
Department of Planning and Community Development
153 Courthouse Road, Suite 110
Currituck, North Carolina 27929
252-232-3055
FAX 252-232-3026

MEMORANDUM

To: Stuart Bonnell, Hassell & Folkes

From: Tammy Glave, Senior Planner

Date: January 12, 2016

Re: PB 13-12, Moyock Commons, Phase 1, Preliminary Plat/Use Permit

The following comments have been received for the January 18, 2017 Technical Review Committee meeting. Modifications of the request must be submitted by January 23, 2016 in order to remain on the February 20, 2017 Board of Commissioners' agenda. TRC comments are valid for six months from the date of the TRC meeting.

Planning, (Tammy Glave, 252-232-6025)

Approved with corrections:

1. Please label the plat as Phase 1.
2. Please provide the wetland delineation approved by the Army Corps of Engineers. (Administrative Manual and the Unified Development Ordinance (UDO) Sections 6.4 and 7.6). If wetlands are shown on that delineation, the wetlands must become a part of the primary conservation area and riparian buffers established accordingly.
3. Corner lots shall provide access from the street with less traffic. Lots 13, 14, 43, and 45 require a 5' non-access easement along Moyock Commons Drive. The easement appears to only be labeled on lot 45. Please correct. (UDO Sections 5.6.7 and 10.3.3)
4. Please show cross-walks at intersections and indicated how they will be delineated (striped, raised, etc.). (UDO Section 5.6.10)
5. The existing Moyock Commons Drive must be improved to NCDOT standards. (UDO Section 6.2.1)
6. The front and rear utility and drainage easements are shown on the plat. Please call out the 10' side lot line utility easements. (UDO Section 6.2.3)
7. Please make sure that the client is aware that all new utilities must be underground. (UDO Section 6.2.3)
8. Two major drainage ditches (Moyock Service District Ditches 1 and 4) run along the eastern and southern property lines. A 25' maintenance access drainage easement is required as measured from the top of embankment. Please show the easement on the plat. (UDO Section 7.3.4)

Comments for future reference:

- A payment-in-lieu of recreation and park area dedication will be required at final plat.
- Prior to plat recordation, you may wish to remove references to Virginia Department of Transportation, Virginia Power, etc.

Attachment: Moyock Commons, Phase 1 PP TRC Comments 1-18-17 (1822 : PB 13-12 Moyock Commons, Phase 1)

Currituck County Building Inspections (Bill Newns, 252-232-6023)
Reviewed without comment.

Currituck County Code Enforcement (Stacey Smith, 252-232-6027)
Reviewed without comment.

Currituck County Engineer [(Eric Weatherly/Michelle Perry 252-232-6035 and Currituck Soil and Water (Will Creef, 252-232-3360)]
Reviewed with comments:

1. The model, as presented, was reviewed for consistency with what we know about the drainage system of the area and for consistency with accepted engineering practice. Results were taken at face-value and assumed to be correct if within reasonable norms when examining inputs and outputs (i.e. the model itself was not re-run by the reviewer). With the exception of items noted below, the model input & output was judged to be reasonable and within accepted engineering practice.
2. Question: How does the model account for bends in the outfall pipe and entrance & exit losses at the DI's since it is modeled as a single link?
3. Draw-down hydrograph for the pond system should be included for review. How long does it take the pond system to draw back down to normal pond after a storm event?
4. Manning's n for outfall swales seems low. Please provide a brief justification of the use of n=0.021. Are any downstream outfall swale improvements proposed?
5. Plans: The outfall pipe system crossing of Puddin Ridge Road appears to have an elevation conflict with the existing roadside ditch on the south side of the road (top of pipe @ approx. 6.4', inv. existing ditch @ approx. 5.3'). If this conflict is addressed via the installation of an inlet to accept the ditch flow from the Puddin Ridge Road Ditch (flow coming from west), then a node should be added to the model at this location and pre & post conditions evaluated.
6. NCDOT: Approval will be required from NCDOT for the placement of this drainage infrastructure. If alterations are made to the existing NCDOT ditch system (particularly in response to the above comment), NCDOT's drainage group will need to evaluate this proposal as part of their encroachment agreement.
7. Drainage Easement: From the deed provided, it is not clear to me that the location of the 35' perpetual easement (DB394, Pg 822) is shown correctly on the plans. The deed grants use of the easement, but it is not clear if the easement is within the boundaries of the adjoining parcel (as shown on the plans), or if it is a previously existing easement which is located within the E Street R/W which the grantors had rights to. GIS may be able to clarify this. If not, then further deed research to establish the origin of the easement is warranted. If the origin cannot be reasonably established or if this deed (DB 394, Pg 822) does, in fact, create the easement, then the language is open to interpretation and the County Attorney should weigh-in.

Currituck County Fire Marshal (James Mims, 252-232-6641)
Denied/Resubmit:

1. This has been reviewed by staff several times but has never received preliminary plat approval. The requirement for fire flows changed as of April 2014. I will need to see that the needed fire flow is not greater than the available fire flow. This could affect building separation/setbacks. (ISO)

Attachment: Moyock Commons, Phase 1 PP TRC Comments 1-18-17 (1822 : PB 13-12 Moyock Commons, Phase 1)

Currituck County GIS (Harry Lee, 252-232-4039)
Reviewed with comment:

1. Address assignment for Moyock Commons:

Lot 1: 125 Parkview Commons Dr
Lot 2: 123 Parkview Commons Dr
Lot 3: 121 Parkview Commons Dr
Lot 4: 119 Parkview Commons Dr
Lot 5: 117 Parkview Commons Dr
Lot 6: 115 Parkview Commons Dr
Lot 7: 113 Parkview Commons Dr
Lot 8: 111 Parkview Commons Dr
Lot 9: 109 Parkview Commons Dr
Lot 10: 107 Parkview Commons Dr
Lot 11: 105 Parkview Commons Dr
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Lot 41: 228 Parkview Commons Dr
Lot 42: 230 Parkview Commons Dr

Attachment: Moyock Commons, Phase 1 PP TRC Comments 1-18-17 (1822 : PB 13-12 Moyock Commons, Phase 1)

Lot 43: 232 Parkview Commons Dr
Lot 44: 103 Parkland Commons Ln
Lot 45: 101 Parkland Commons Ln
Lot 46: 237 Parkview Commons Dr
Lot 47: 235 Parkview Commons Dr
Lot 48: 233 Parkview Commons Dr
Lot 49: 231 Parkview Commons Dr
Lot 50: 229 Parkview Commons Dr
Lot 51: 227 Parkview Commons Dr
Lot 52: 225 Parkview Commons Dr
Lot 53: 223 Parkview Commons Dr
Lot 54: 221 Parkview Commons Dr
Lot 55: 219 Parkview Commons Dr

Currituck County Utilities (Pat Irwin, 252-232-6061)
Approved with correction:

1. Place a 2" blow off with thrust restraint on the south side of the 4" waterline in front of Lot 45.

Albemarle Regional Health Services (Joe Hobbs, 252-232-6603)
Reviewed with comment:

1. PROPOSED SUB-DIVISION WILL REQUIRE WASTEWATER TREATMENT AND DISPOSAL APPROVAL FROM THE NC DIVISION OF WATER QUALITY(WASHINGTON OFFICE-252-946-6481) AND THE MOYOCK REGIONAL WASTEWATER SYSTEM.
2. THIS PROPOSED SUB-DIVISION WILL ALSO REQUIRE AN APPROVED WATER SUPPLY FROM A PUBLIC OR PRIVATE WATER SYSTEM APPROVED BY THE NC PUBLIC WATER SUPPLY BRANCH(WASHINGTON OFFICE-252-946-6481).

NC Division of Coastal Management (Charlan Owens, 252-264-3901)
Reviewed without comment.

US Postal Service, Moyock Postmaster

1. Please contact the local postmaster (Moyock) to determine the mode of delivery and type of delivery equipment.

The following items are necessary for resubmittal:

- 3 - full size copies of revised plans.
- 1- 8.5"x11" copy of all revised plans.
- 1- PDF digital copy of all revised or new documents and plans.

Attachment: Moyock Commons, Phase 1 PP TRC Comments 1-18-17 (1822 : PB 13-12 Moyock Commons, Phase 1)

Proposed Moyock Commons
Residential Subdivision

PRELIMINARY PLAT SUBMITTAL

12-21-16

Zoning Conditions

Attachment: 02 It_MC_zoning conditions (1822 : PB 13-12 Moyock Commons, Phase 1)

HASSELL & FOLKES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
325 VOLVO PARKWAY
CHESAPEAKE, VIRGINIA 23320
PHONE: (757) 547-9531 FAX: (757) 547-9481

Attachment: 02 lt_MC_zoning conditions (1822 : PB 13-12 Moyock Commons, Phase 1)

COUNTY OF CURRITUCK
Planning and Community Development Department
Planning and Zoning Division
153 Courthouse Road, Suite 110
Currituck, North Carolina 27929
Telephone (252) 232-3055 / Fax (252) 232-3026

March 18, 2014

Moyock Land Co., LLC
500 Pacific Avenue, #600
Virginia Beach, VA 23451

Hassell & Folkes, PC
Jim Bradford, CLA
325 Volvo Parkway
Chesapeake, VA 23320

RE: PB 13-12 Moyock Commons – Conditional Rezoning

Dear Owner/Applicant:

At its March 17, 2014 meeting, the Currituck County Board of Commissioners approved the request for a conditional rezoning of 27.66 acres from AG (Agricultural) to CD-SFM (Conditional District-Single Family Mainland), Tax Map 15, Parcel 79, Moyock Township with the following zoning conditions:

1. Minimum rear yard setback for all residential lots along the perimeter boundary shall be as shown on plan. These setbacks shall apply to all principal uses but shall not apply to fences or accessory structures. ***In no instance shall setbacks be less than allowed by the UDO.***
2. Prior to any land disturbing activities within the development, the property owner shall conduct a tree inventory plan as required by Section 7.2 of the UDO. The purpose of said plan shall be to identify the number and location of any heritage trees present and the methods by which they will be preserved.
3. That an effort be made to work with the owner of the existing commercial shopping center to extend a sidewalk from the proposed development to the shopping center.
4. The property shall be developed in accordance with the Conceptual Development Plan dated December 26, 2013.
5. On-street parking shall be prohibited by the provision of signage.
6. The location of rights-of-way, open space areas, setbacks, and stormwater management areas shall be as generally shown on the approved conceptual development plan.
7. The developer agrees that stormwater management for the improvements resulting from this application shall not exceed pre-developed discharge rates as allowed by ordinance.

Attachment: 02 lt_MC_zoning conditions (1822 : PB 13-12 Moyock Commons, Phase 1)

Such improvements shall be identified by means of a preliminary drainage impact study to be provided by the developer and approved by the county prior to submittal of the preliminary subdivision plat. As an alternative, at the developer's discretion, downstream improvements to include ditch regarding and cleaning, piping and the purchase of any required easements for the conveyance of stormwater may be accomplished in accordance with a county approved plan.

8. All residential dwellings shall be constructed either with crawl spaces or on raised slabs (finished floor at least 16 inches above outside ground grade).
9. The use of prefabricated structures or trailers as dwellings shall be strictly prohibited.

If you have any questions, please call me at 252-232-6029.

Sincerely,

Ben E. Woody, AICP
Planning and CD Director

BEW/st

Enclosure

Cc: Harry Lee, Currituck County

Proposed Moyock Commons
Residential Subdivision

PRELIMINARY PLAT SUBMITTAL

12-21-16

Community Meeting Written Summary

HASSELL & FOLKES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
325 VOLVO PARKWAY
CHESAPEAKE, VIRGINIA 23320
PHONE: (757) 547-9531 FAX: (757) 547-9481

Attachment: 04 MC_CommunityMeeting_Summary (1822 : PB 13-12 Moyock Commons, Phase 1)

Hassell & Folkes, P.C.
Engineers Surveyors Planners

S. Grey Folkes, Jr., P.E.
Leigh Anne Folkes, P.E.
Stuart W. Bonnell, P.E.
Sean C. Marsden, P.E.
Timothy M. Fallon, L.S.

T. Ray Hassell, III, L.S.
(1932-1984)
Stradford G. Folkes, P.E.
(1927-2007)

Attachment: 04 MC_CommunityMeeting_Summary (1822 : PB 13-12 Moyock Commons, Phase 1)

PROPOSED MOYOCK COMMONS
September 30, 2016

SUMMARY OF COMMUNITY MEETING
HELD ON SEPTEMBER 27, 2016

ATTACHMENTS INCLUDED

- Community Meeting Agenda
- Signup sheet
- Photos from Peggy Lusk
- Construction plan sheet C113
- NOTE: A copy of the full set of construction plans available for viewing during the meeting is available upon request

PROJECT INTRODUCED AS FOLLOWS:

- General Discussion
  - Shared Meeting Agenda attached
  - Design would comply with County Ordinances
  - County ordinance requires that lake discharge would not increase water surface elevations in offsite, downstream ditches by more than 0.01' on the 10-year storm recurrence interval
  - Run off from the entire development would drain to the on-site lakes and ultimately discharge to Ditch #4 at Puddin Ridge Road via underground storm drain piping.
  - Basis of current storm water analysis is study prepared by Quible & Associates
  - Utility extensions
  - Site Ingress/Egress
  - Conservation Areas
  - Large Capacity Lakes

SPECIFIC REQUESTS FOR A RESPONSE BY DEVELOPER/ENGINEER

- Quality of Housing Product (Kathy Ehler)
  - Quality and size of proposed houses
  - House sales prices
  - Proposed house construction material

PROPOSED MOYOCK COMMONS
September 29, 2016

SUMMARY OF COMMUNITY MEETING
HELD ON SEPTEMBER 27, 2016

- Will Crodick requested the developer contact him about elementary school overcrowding at 757-633-3212

FROM RESIDENTS:

- Peggy Lusk forwarded photos (attached) of recent flooding (event during week of 9-19-16)

TRAFFIC (OFF-SITE)

- General Discussion of Moyock Commons Drive
  - Private Right-of-Way
  - Use by Moyock Commons requires an agreement with owner of the private R/W
  - Emergency vehicle/government vehicle access
  - School bus access
- Concerns raised by residents:
  - Traffic signal would result in long wait times for left turn movements onto Route 168
  - Exiting motorists may reroute through commercial property using other drive aisles/entrances
  - Accidents frequently occur on Route 168 near the intersection with Moyock Commons Drive.

TRAFFIC (ON-SITE)

- General Discussion:
  - All proposed roads would be private
  - Road widths
  - Sidewalk locations
  - Road side parking would not be allowed
  - Driveways/garages would provide for on-lot parking
  - Potential for NCDOT to accept road maintenance in the future for both Moyock Commons Drive and proposed subdivision roads
- Concerns raised by residents:
  - School buses need to turn around in intersections instead of cul-de-sacs.
  - School buses must back-up with children onboard.
  - Sidewalks could be blocked by parked vehicles
  - An emergency access route is not proposed

Attachment: 04 MC_CommunityMeeting_Summary (1822 : PB 13-12 Moyock Commons, Phase 1)

PROPOSED MOYOCK COMMONS
September 29, 2016

SUMMARY OF COMMUNITY MEETING
HELD ON SEPTEMBER 27, 2016

Attachment: 04 MC_CommunityMeeting_Summary (1822 : PB 13-12 Moyock Commons, Phase 1)

LOCAL FLOODING

- Frequent flooding conditions as described by residents:
  - Flooding is frequent and has been observed for many years
  - Vicinity of the project especially along 'E' Street;
  - Parcels adjacent to 'E' Street
  - Flooding of the Food Lion site especially BMP flooding
  - Parcels immediately adjacent to Food Lion site – Food Lion BMP overflows then runs off to adjacent parcels
  - Parcels immediately adjacent to the proposed development
  - Parcels along 'D' street
  - Parcels along Simms Road
  - Quail Estates
  - Ditch #5 that drains Quail Estates

- Concerns raised by residents:
  - Food Lion BMP overflows and floods adjacent properties located to the north
  - Berm along Simms Road creates a bowl effect and creates inefficient drainage which leads to flooding
  - Existing ditch #4 is at capacity
  - Existing impermeable soils lead to increased runoff volumes
  - Proposed improvements would cause increased flooding
  - Reoccurring flooding is wind driven. Waters from the sound are pushed inland up Shingle Landing Creek and local ditches

- Other information provided by residents
  - An additional drainage study is being prepared for the County Stormwater District
  - Photos were presented showing recent flooding from the week of September 19th rain event.

STORM WATER MANAGEMENT

- General Discussion:
  - Lake benches proposed for environmental quality and safety
  - Road side ditches in R/W and drainage easement along lot frontages
  - Improvements along 'E' Street as shown on attached Sheet C113 to include new culvert under Puddin Ridge Road to increase the drainage efficiency of Ditch #4
  - Small diameter stub pipes are proposed to drain ditches from the Voliva Property (189 Puddin Ridge Road) that would otherwise be blocked by proposed pond outfall pipe

PROPOSED MOYOCK COMMONS
September 29, 2016

SUMMARY OF COMMUNITY MEETING
HELD ON SEPTEMBER 27, 2016

- Current calculated discharge from pond to Ditch #4 at Puddin Ridge Road would be less than 1- CFS (approximately 0.6 - CFS)

- Concerns raised by residents:
  - Quality of BMP maintenance
  - Responsibility for BMP maintenance – HOA not effective
  - No proposed fencing along lake rims
  - Current proposed lake depth

CONSERVATION AREAS

- General Discussion:
  - Conservation areas consist of wooded areas, park areas, and lakes
- Concerns raised by residents:
  - Quality of maintenance
  - Responsibility for maintenance – HOA not effective

GENERAL SITE

- General Discussion:
  - Building envelopes, front and side setbacks
  - Parking area for recreational vehicles is proposed

- Concerns raised by residents:
  - Existing high ground water
  - Aerators in the lakes
  - Questioned the age of the current County Unified Development Ordinance
  - The character of the development is out of place for Moyock
  - Prefer other uses for this property such as a Senior Citizens Living Facility
  - Approved density is not preferred
  - All garbage maintenance in Moyock is private
  - Residents in Moyock Commons must deliver their trash to the transfer site.

SCHOOLS

- Concerns raised by residents:
  - Moyock Elementary School is at or over capacity

UTILITIES

- General Discussion:

Attachment: 04 MC_CommunityMeeting_Summary (1822 : PB 13-12 Moyock Commons, Phase 1)

PROPOSED MOYOCK COMMONS
September 29, 2016

SUMMARY OF COMMUNITY MEETING
HELD ON SEPTEMBER 27, 2016

- Water extended from system on Moyock Commons Drive
- Gravity sewer connected to existing system on Moyock Commons Drive
- Existing sewage pump station allowed for use by County

- Concerns raised by residents:
  - Sewage from existing pump station at Food Lion site has overflowed in the past during power outages
  - Sewage during the overflow has discharged to adjacent properties

COUNTY PROCEDURE

- General Discussion:
  - Engineer would submit this summary for Community Meeting to Planning Department for review by County staff
  - Residents would view this summary at County offices

Attachment: 04 MC_CommunityMeeting_Summary (1822 : PB 13-12 Moyock Commons, Phase 1)

Stuart Bonnell

From: W Brumsey <wbrumsey4@brumseylaw.com>
Sent: Monday, September 19, 2016 5:02 PM
To: Charles Friedman; Stuart Bonnell
Cc: Grey Folkes; Leigh Folkes
Subject: RE: Moyock Commons - E Street Easement

Below is the text from my e-mail dated January 27, 2016 to Chip:

Chip:

In my opinion the easement described in the attached deed (394/822) does lie over E St and not within the adjoining property as shown in your plat.

The Jarvis family owned all of this property at one time. In Deed Book 86, Page 19, the Jarvis family conveyed 6 acres to W. H. Romm. The beginning point of the description in that deed is on Puddin Ridge Rd. and is 35 feet from the property line. The Jarvis family essentially retained a 35 feet strip of land to use as access to the property you own now. That 35 feet strip is where the easement in 394/822 lies and E street is within that 35 feet strip.

William Brumsey, IV
BRUMSEY AND BRUMSEY, PLLC
PO Box 100
2883 Caratoke Hwy.
Currituck, NC 27929
Office 252-232-2252 Ext. 222
Mobile 252-207-2035
Fax 252-232-3038

From: Charles Friedman [mailto:csfriedman1@gmail.com]
Sent: Monday, September 19, 2016 4:28 PM
To: Stuart Bonnell <stuart@hfpc-online.com>
Cc: Grey Folkes <greysurfs@gmail.com>; Leigh Folkes <leighf@hfpc-online.com>; W Brumsey <wbrumsey4@brumseylaw.com>
Subject: Re: Moyock Commons - E Street Easement

Stuart, An attorney I hired named Bill Brumsey IV who's office is in Currituck researched e street title and agreed that the easement is where you say it is, he is on this email now if anyone needs to contact him, thank you, chip friedman

Sent from my iPhone

On Sep 19, 2016, at 3:44 PM, Stuart Bonnell <stuart@hfpc-online.com> wrote:

> Chip, earlier in our meeting in our office you had mentioned that the County attorney had agreed with the location of the easement along 'E Street. So that I would be armed with it for the community meeting, within the next couple of days, could you please email me a copy of the attorney's message? You mentioned that this message had previously been forwarded to me – after searching, I cannot seem to find this in our records. Thanks, Stuart

Attachment: email_MC_WilliamBrumsley_OffsiteEasementOpinion (1822 : PB 13-12 Moyock Commons, Phase 1)

HASSELL & FOLKES, P.C.
Stuart W. Bonnell, P.E.
325 Volvo Parkway
Chesapeake, VA 23320
757-547-9531

Attachment: email_MC_WilliamBrumsley_OffsiteEasementOpinion (1822 : PB 13-12 Moyock Commons, Phase 1)

Proposed Moyock Commons
Residential Subdivision

PRELIMINARY PLAT SUBMITTAL

12-21-16

Wetland Certification Letter

Attachment: 12 Wetland Certification Letter (1822 : PB 13-12 Moyock Commons, Phase 1)

HASSELL & FOLKES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
325 VOLVO PARKWAY
CHESAPEAKE, VIRGINIA 23320
PHONE: (757) 547-9531 FAX: (757) 547-9481

TTC Corporation

Environmental Sciences and Consulting since 1989

December 2, 2015

Mr. Charles Friedman
Moyock Land Company, LLC
3500 Virginia Beach Blvd.
Suite 600
Virginia Beach, VA. 23452

Project: Moyock Commons Phase I
Wetlands Opinion

Dear Mr. Friedman:

I have attached a copy of the infra red aerial photograph showing the wetlands areas.

The preliminary wetlands delineation is based on initial field inspections, the National Wetlands Inventory map and review of historical aerial photographs and infra red imagery.

Based upon review of the preliminary layout of the 55 lot subdivision it appears that area 2 and a small portion of area 3 will be impacted. These areas comprise a total of 1 acre or less of wetlands impact. Area 1, most of area 3, area 4 and 5 will not be impacted by this development.

Should you have any further questions regarding this matter please do not hesitate to contact me. Thank you for the opportunity to be of service to you at this time.

Sincerely,

Keith M. Miller LPSS, CES, CWD
Licensed Professional Soil Scientist

13561 Courthouse Highway
Smithfield, Virginia 23430
Cell 757-409-2869
Email: TTCCorporation@aol.com

Attachment: 12 Wetland Certification Letter (1822 : PB 13-12 Moyock Commons, Phase 1)

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1823)

Agenda Item Title

Resolution of Intent to Consider Permanent Closure of the Remainder of Old US Highway 158 (SR 1405)

Brief Description of Agenda Item:

Board Action Requested

Action

Person Submitting Agenda Item

Leeann Walton, Clerk to the Board

Presenter of Agenda Item

Donald (Ike) I. McRee Jr

RESOLUTION OF INTENT TO CONSIDER PERMANENT CLOSURE OF OLD U. S. HIGHWAY 158, ALSO KNOWN AS SECONDARY ROAD 1405 AND OLD FERRY LANDING IN COINJOCK, POPLAR BRANCH TOWNSHIP

WHEREAS, pursuant to N.C. Gen. Stat. §153A-241 a county may permanently close any street, whether opened or unopened; and

WHEREAS, the Currituck Waterfront Business Park, LLC is the owner of property on the eastern boundary of Old U. S. Highway 158, also known as Secondary Road 1405 and Old Ferry Landing, and has petitioned the county to close Old U. S. Highway (Secondary Road 1405). A copy of the petition and supporting documents are attached hereto and incorporated herein by reference as Exhibit A and a plat recorded in Plat Cabinet D, Page 66 of the Currituck County Registry more particularly showing the road petitioned for closing is attached hereto and incorporated by reference as Exhibit B; and

WHEREAS, by action taken on November 6, 1992 and May 5, 2016 the North Carolina Board of Transportation authorized abandonment and removal of Old U. S. Highway 158 (Secondary Road 1405) from the state maintained road system.

NOW, THEREFORE, BE IT RESOLVED by the Board of Commissioners for the County of Currituck, North Carolina that:

Section 1. A public hearing shall be held on at 6:00 p.m. on April 17, 2017, or as soon thereafter as the matter can be reached, to hear any person on the question of whether or not to permanently close Old U. S. Highway 158, also known as Secondary Road 1405 and Old Ferry Landing in Coinjock, Poplar Branch Township as more particularly described and shown on that plat recorded at Plat Cabinet D, Page 66 of the Currituck County Registry.

Section 2. The Clerk to the Board of Commissioners shall cause the publication of this Resolution, excluding the Exhibits which shall be maintained by the Clerk to the Board for public inspection, once a week for three successive weeks prior to the public hearing and a notice of the proposed permanent closing of road described herein and public hearing shall be prominently posted in two locations along the road proposed for closure.

Section 3. This resolution shall be effective upon its adoption.

Adopted this 20th day of March, 2017.

_____

Bobby Hanig, Chairman
Board of Commissioners

Attachment: Resolution-Intent to close Old USHwy158 Coinjock 032017 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

ATTEST:

_____

Clerk to the Board of Commissioners

(COUNTY SEAL)

Attachment: Resolution-Intent to close Old USHwy158 Coinjock 032017 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

EXHIBIT A-1

HORNTHAL, RILEY, ELLIS & MALAND, L.L.P.
ATTORNEYS AT LAW
2502 S. CROATAN HIGHWAY
NAGS HEAD, NORTH CAROLINA 27959
TELEPHONE (252) 441-0871
TELEFAX (252) 441-8822
INTERNET: www.hrem.com

M. H. HOOD ELLIS
BENJAMIN M. GALLOP
ROBERT B. HOBBS, JR.*
L. P. HORNTHAL, JR.
L. PHILLIP HORNTHAL, III
ANDREW W. HOWLE
A. VANN IRVIN**
JOHN D. LEIDY
W. BROCK MITCHELL
DONALD C. PRENTISS

*BOARD CERTIFIED SPECIALIST IN REAL PROPERTY LAW

** BOARD CERTIFIED SPECIALIST IN ESTATE PLANNING AND PROBATE LAW

OF COUNSEL
MARK M. MALAND
J. FRED RILEY

RETIRED
THOMAS L. WHITE, JR.
CHARLES W. OGLETREE

OTHER OFFICES
ELIZABETH CITY, NC
COLUMBIA, NC

February 7, 2017

VIA EMAIL ONLY TO: Ike McRee <Ike.Mcree@CurrituckCountyNC.gov>
Currituck County Board of Commissioners
C/O Donald I. McRee, Jr. , Currituck County Attorney
153 Couthouse Road, Suite 210
Currituck, NC 27929

Re: Request to Close the Remainder of Old US 158 (State Road 1405)
HREM File No.: 27979-0

Dear Ike:

I hope this letter finds you doing well. As you know, our firm represents Currituck Waterfront Business Park, LLC ("CWBP"). CWBP currently owns the property located just east and west of US 158 on the south side of the Coinjock canal. A paved portion of Old US 158 (State Road 1405) borders a portion of the CWBP property on its eastern boundary (the "Old Ferry Landing"). The Old Ferry Landing runs northward to the canal from the edge of the existing Waterlily Road right-of-way.

CWBP requests that Currituck County take the necessary steps to close the entirety of the Old Ferry Landing pursuant to N.C.G.S. § 153A-241. Attached to the email forwarding this letter, you will find two PDF documents which contain confirmation that the North Carolina Department of Transportation has taken the steps necessary to abandon and remove the Old Ferry Landing from its secondary road system. The abandonment removes the Old Ferry Landing from the control and supervision of the NCDOT and places the authority with the County to under N.C.G.S. § 153A-241 to close the road after following the requisite procedures provided by the statute.

Please let me know if there is anything else you will need from me or my clients to initiate or further this process. If there is nothing further needed, please let me know when the County's Board of Commissioners will consider adopting a resolution declaring its intent to

Attachment: Exhibit A1 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

close the Old Ferry Landing and setting a public hearing on the closure. I look forward to hearing back from you and to working with you on this matter. I remain

Sincerely yours,

Benjamin M. Gallop

BMG/
Attachments
Cc: Client (via email)

Attachment: Exhibit A1 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

EXHIBIT A-2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

P. O. Box 1405
Elizabeth City, NC 27906-1405
(919) 338-5131

JAMES G. MARTIN
GOVERNOR

THOMAS J. HARRELSON
SECRETARY

DIVISION OF HIGHWAYS

WILLIAM G. MARLEY, JR., P.E.
STATE HIGHWAY ADMINISTRATOR

June 15, 1992

MEMORANDUM TO: C. O. White, P.E.
Division Engineer - Division One

FROM: C. E. Lassiter, Jr., P.E.
District Engineer - District One

SUBJECT: Proposed Deletion of a Portion of SR 1405 - Old US 158 - Currituck County

Please find attached Forms SR-3, SR-5, and other supporting data recommending the deletion of a portion (approximately 950 ft.) of the above mentioned road from the State Maintained System.

We request that you review this submittal for further approval at the next Board of Transportation Meeting.

If additional information is needed, please advise.

CEL/aih

Atta.

Cc: Mr. Philip Godwin
Mr. T. C. Tilley
Mr. Randy Langley

Attachment: Exhibit A2 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

NORTH CAROLINA STATE DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SECONDARY ROAD ABANDONMENT INVESTIGATION REPORT

County Currituck Co. File No. _____ Date 06-15-92

Township Poplar Branch Div. File No. _____

SR No. & Local Name If Any SR 1405 (Old US 158 South)

Length 950' Width 24' Type I-2 Condition Fair - Poor

Number of homes having entrances into road 1
Other uses having entrances into road 1 Recreational Facility
Is the road a school bus route? No
Average Daily Traffic Count (estimated) 20
Date of last State maintenance performed Fall - 1989
Is the road a mail route? Yes
Is a petition for this request attached? Yes
Is the County Commissioners' Approval attached? Yes
If not, give reason _____

Additional information applicable _____

Submitted by _____ Reviewed and approved by _____
DISTRICT ENGINEER DIVISION ENGINEER

Reviewed and approved
Board of Transportation Member _____

(Do not write in this space - For use of Planning and Research Department)

(Do not write in this space - For use of Secondary Roads Department)

Petition No. _____

(Do not write in this space - For use of Planning Department)

Form SR-5 (11/77)

Attachment: Exhibit A2 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

RECEIVED
MAR 19 1992
DISTRICT I
OFFICE

COUNTY OF CURRITUCK

RESOLUTION

REQUEST FOR ABANDONMENT TO STATE MAINTAINED SECONDARY ROAD SYSTEM

NORTH CAROLINA
COUNTY OF CURRITUCK

WHEREAS, the attached petition has been filed with the Board of County Commissioners of the County of Currituck requesting that the described road be abandoned from the state maintained system, and

WHEREAS, the Board of County Commissioners is of the opinion that the requested area should be abandoned,

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of the County of Currituck that the Division of Highways, North Carolina Department of Transportation, is hereby authorized to abandon approximately _____ ft/miles at Old US Hwy 158 - Coinjock - Mapattached of Secondary Road - ____ from the state maintained system, in accordance with Department of Transportation Form SR-3 enclosed.

CERTIFICATE

The foregoing resolution was duly adopted by the Board of County Commissioners of the County of Currituck at a meeting on the 16 day of March, 1992.

WITNESS my hand and official seal this the 18 day of March 1992.

Gwen H. Tatem
Clerk, Board of Commissioners
County of Currituck

Attachment: Exhibit A2 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

NORTH CAROLINA STATE DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
ABANDONMENT PETITION

North Carolina
County of CURRITUCK

Petition request for the abandonment of Secondary Road /Old US Hwy 158 from the State Maintained System.

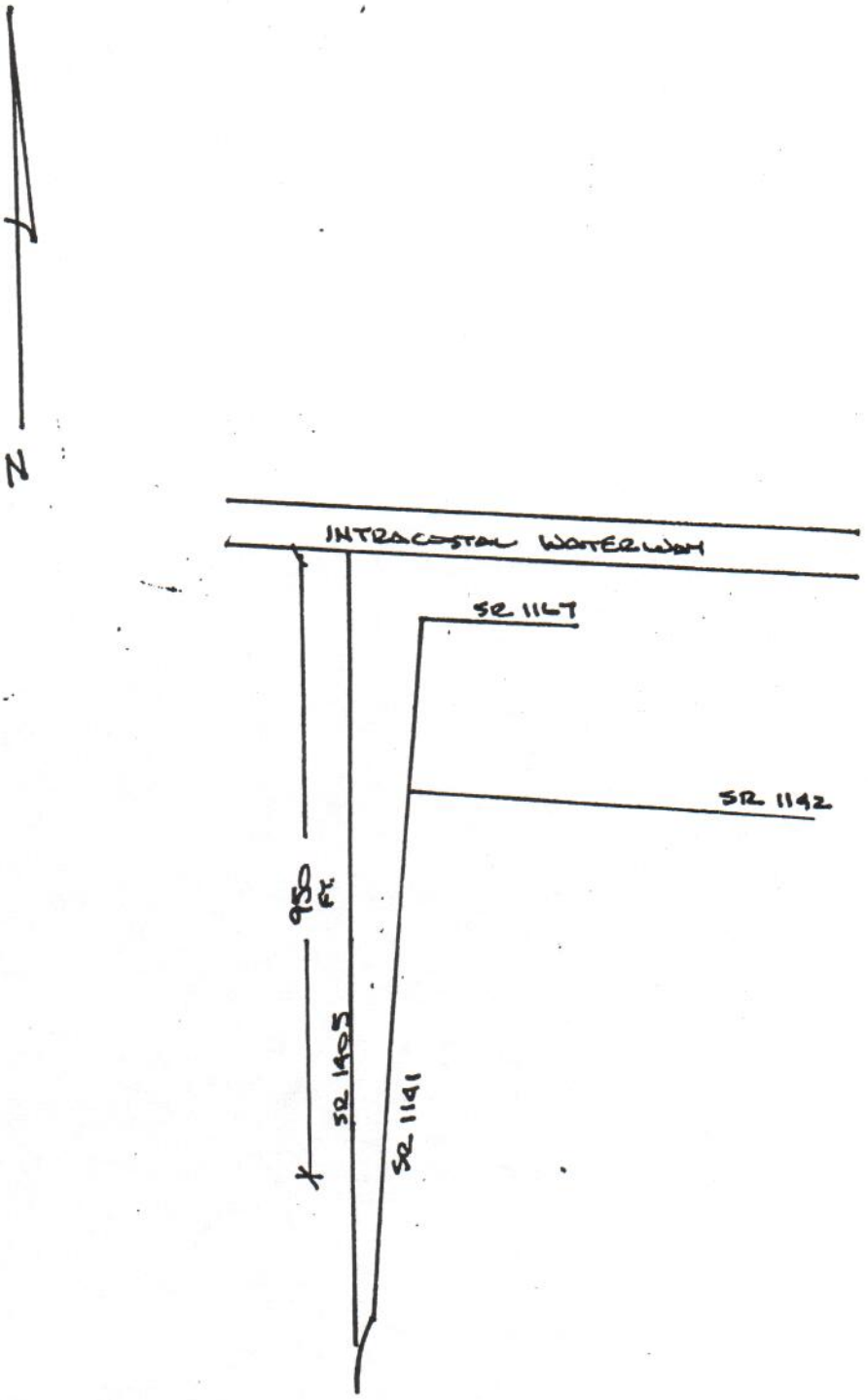
We the undersigned, being all of the property owners on Secondary Road /Old US Hwy 158 in Currituck County do hereby request the Division of Highways of the Department of Transportation to abandon the road from the State Maintained System.

PROPERTY OWNERS

NAME	ADDRESS
Robert C. Stonecypher	P.O. Box 13388, Chesapeake, VA 23325

Form SR-3 (6-78)

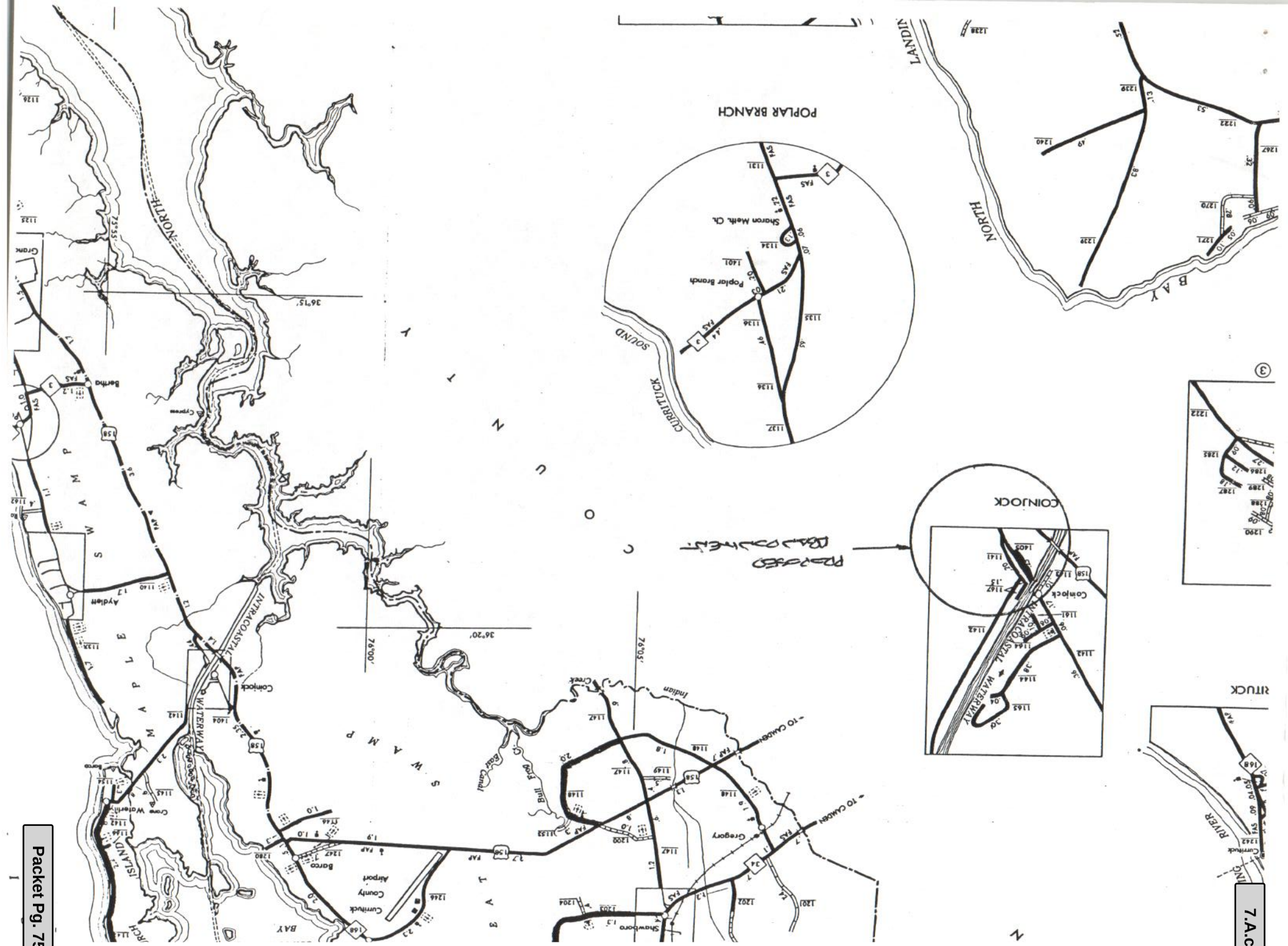
Attachment: Exhibit A2 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))



PROPOSED ROAD ABANDONMENT OF 950 FT OF SR 1493 - OLD US 158 (SOUTH) - CURRITUCK - CURRITUCK COUNTY

NTS

Attachment: Exhibit A2 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))


NORTH
POPLAR BRANCH
Sharon Meth. Ch.
Poplar Branch
CURRITUCK SOUND
NORTH
BAY
COINJOCK
INTRACOASTAL WATERWAY
Coinjock
Currituck
Airport
County
Barco
Aydlett
Berths
Crane Waterfall
Gregory
Shawboro
Indian Creek
Boat Canal
Bull Foot Canal
to Camden
to Camden
SWAMP
MAPLE
ISLAND
BAY
RIVER
CURRITUCK

1-13-93

TO: T.C., RANDY FROM: DEIC

FOR YOUR INFO

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
P.O. BOX 25201
RALEIGH 27611-5201

RECEIVED
JAN 13 1993
DISTRICT 1
OFFICE

12-1-92

JAMES G. MARTIN
GOVERNOR

THOMAS J. HARRELSON
SECRETARY

DIVISION OF HIGHWAYS

WILLIAM G. MARLEY, JR., P.E.
STATE HIGHWAY ADMINISTRATOR

MEMORANDUM TO: Mr. C.O. White, P.E.
Division 1

FROM: E.R. Shuller, P.E.
GIS Director

SUBJECT: Change Secondary Road Numbers

We have been authorized to make the following changes in Secondary Road Numbers on County Maps as indicated below. We request that you make similar changes on your file maps in Division and District, and have the necessary changes made by your sign supervisor on the ground. We are changing our basic county maps accordingly. If our plan does not fit actual ground conditions, please return this with a letter of explanation and recommendations.

County Currituck

Petition No. 37782

Length:

Board Approval .19 Miles

County Map .19 Miles

Report Date 6-15-92

Road Name

Date of Approval 11-6-92

Old Numbers

New Numbers

Cancel Numbers SR 1405 (part of)

System Addition

System Deletion ✓

System Reassignment

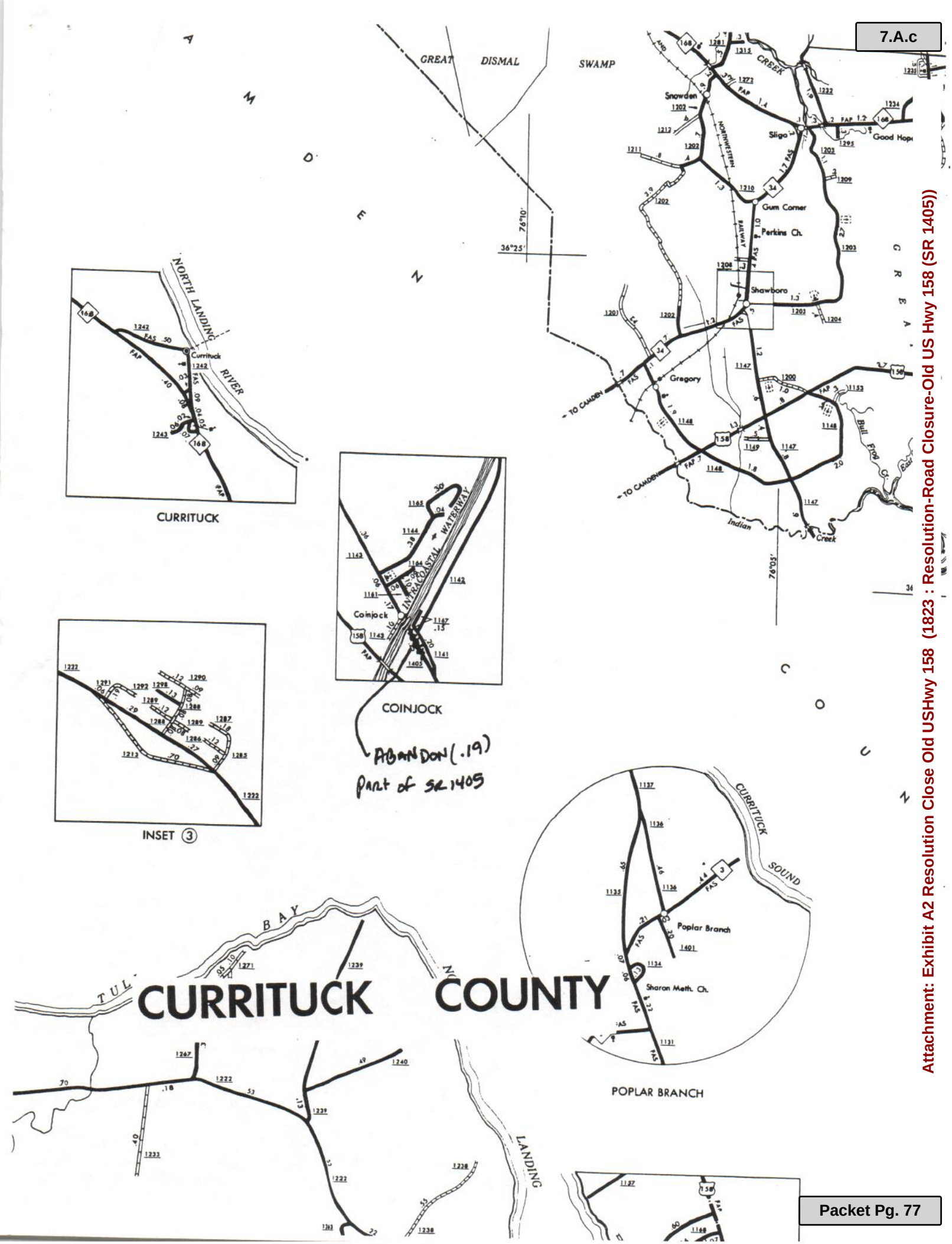
Number Reassignment (See Map)

Remarks:

ERS/car

cc: Bridge Department
Traffic Engineering
Right of Way

Attachment: Exhibit A2 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))



Attachment: Exhibit A2 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

P. O. Box 1405
Elizabeth City, NC 27906-1405
(919) 331-4737

JAMES G. MARTIN
GOVERNOR

THOMAS J. HARRELSON
SECRETARY

DIVISION OF HIGHWAYS

WILLIAM G. MARLEY, JR., P.E.
STATE HIGHWAY ADMINISTRATOR

November 16, 1992

Petition: 37782
County: Currituck
Re: Abandonment-Portion of SR 1405 - 950'

Mr. Robert C. Stonecypher
P. O. Box 13388
Chesapeake, VA 23325

Dear Mr. Stonecypher:

This is to advise that 950 ft. of SR 1405, Old US 158 South in Currituck County was abandoned from the State Highway System by the Board of Transportation at the Board Meeting of November 6, 1992.

If additional information is needed, please advise.

Yours very truly,

C. E. Lassiter, Jr., P.E.
District Engineer

Cc: Mr. Jack Murdock
Mr. Philip Godwin
Mr. C. O. White
Board of Commissioners
School Superintendent

An Equal Opportunity/Affirmative Action Employer

Attachment: Exhibit A2 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

EXHIBIT A-3

Transportation

PAT McCRORY
Governor

NICHOLAS J. TENNYSON
Secretary

August 2, 2016

Currituck Waterfront Business Park, LLC
187 Waterlily Road
Coinjock, NC 27923

County: Currituck

Subject: Deletion of Road in Currituck
SR 1405 Old US 158

Dear Sirs,

Your name was listed as the contact person on the above petition for Secondary Road Abandonment, and we are pleased to inform you that the above road has been removed from the State Highway System. This abandonment was approved by the North Carolina Board of Transportation at the Board Meeting of May 5, 2016.

Of course it will be impossible to notify all of the petitioners regarding the removal of this road, and I would personally appreciate it if you would tell the interested persons for me. If you have any questions feel free to notify our office.

Sincerely,

Randy W. Midgett, PE
District Field Engineer

Attachments
Cc: M.K. Fearing
J.D. Jennings, PE
R.K. Sawyer, PE
Dan Scanlon, County Manager
Mark Stefanik, Superintendent

1929 North Road Street, Elizabeth City, NC 27909 Phone: (252)331-4737; Fax: (252)331-4739

Attachment: Exhibit A3 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PATRICK MCCRORY
GOVERNOR

May 16, 2016

NICHOLAS J. TENNYSON
SECRETARY

MEMORANDUM TO: Mr. J.D. Jennings, PE (acting)
Division Engineer
Division 1

FROM: Mr. John C. Farley, GISP, CPM
Manager
Geographic Information Systems Unit

SUBJECT: 2016 District 1 Road System Changes

The GIS Unit's Data Conversion Group has been authorized to make the changes indicated below to the state road system. We request that you update the related maps and files in your offices and install appropriate road number signs, if necessary. If our system changes do not conform to the actual conditions in the field, please return this memorandum with recommendations.

Petition	County	Approval Date
CURRITUCK_2016_05_51063	CURRITUCK	5/5/2016

Questions or comments about changes should be referred to the GIS Help Desk at GISHelp@ncdot.gov.

Thank you for your assistance.

JCF

cc: BSIP
Bridge Maintenance
Division Right of Way
IMG
Pavement Management
Permit Unit
State Road Maintenance
Traffic Engineering
Traffic Surveys

Attachment: Exhibit A3 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
GEOGRAPHIC INFORMATION SYSTEMS
1521 MAIL SERVICE CENTER
RALEIGH, NC 27699-1521

DELIVERY ADDRESS:
4101 CAPITAL BLVD.
RALEIGH, NC 27604
FAX: (919) 707-2214

2016 ROAD SYSTEM CHANGES

PETITION	COUNTY	APPROVAL DATE	ROUTE NUMBER	PORTION REASSIGNED	STREET NAME	LENGTH (miles)	TYPE OF CHANGE	REMARKS (See Attached Map)
CURRITUCK_2016_05_51063	CURRITUCK	5/5/2016	SR 1405		OLD US 158	0.07	SYSTEM DELETION VIA PETITION	

Packet Pg. 81

7.A.d

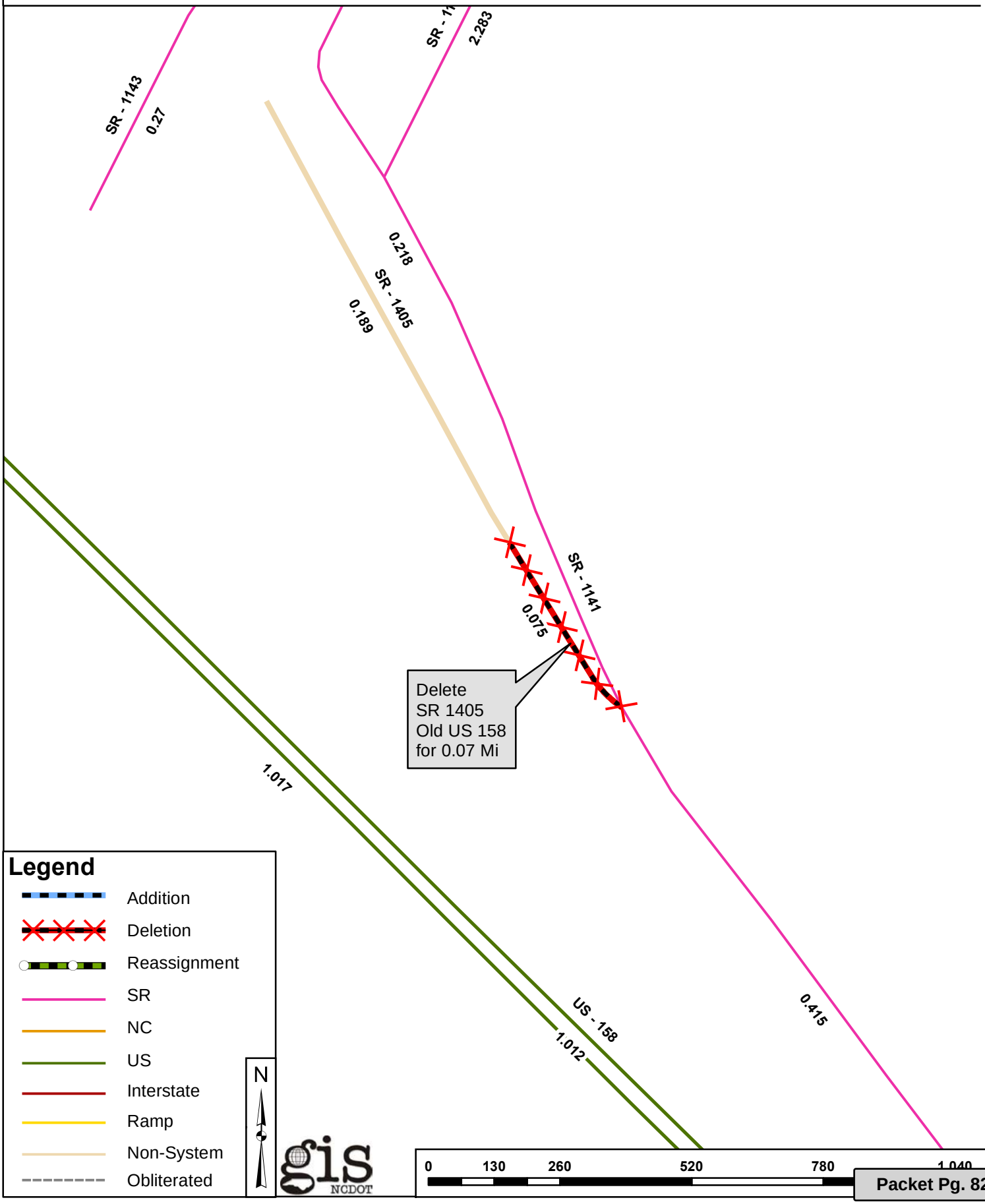
Attachment: Exhibit A3 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

Document Number: Currituck_2016_05_51063

Route Number(s): 1405

Map Date: 05/13/16 **County: Currituck**

Approval Date: 05/05/16

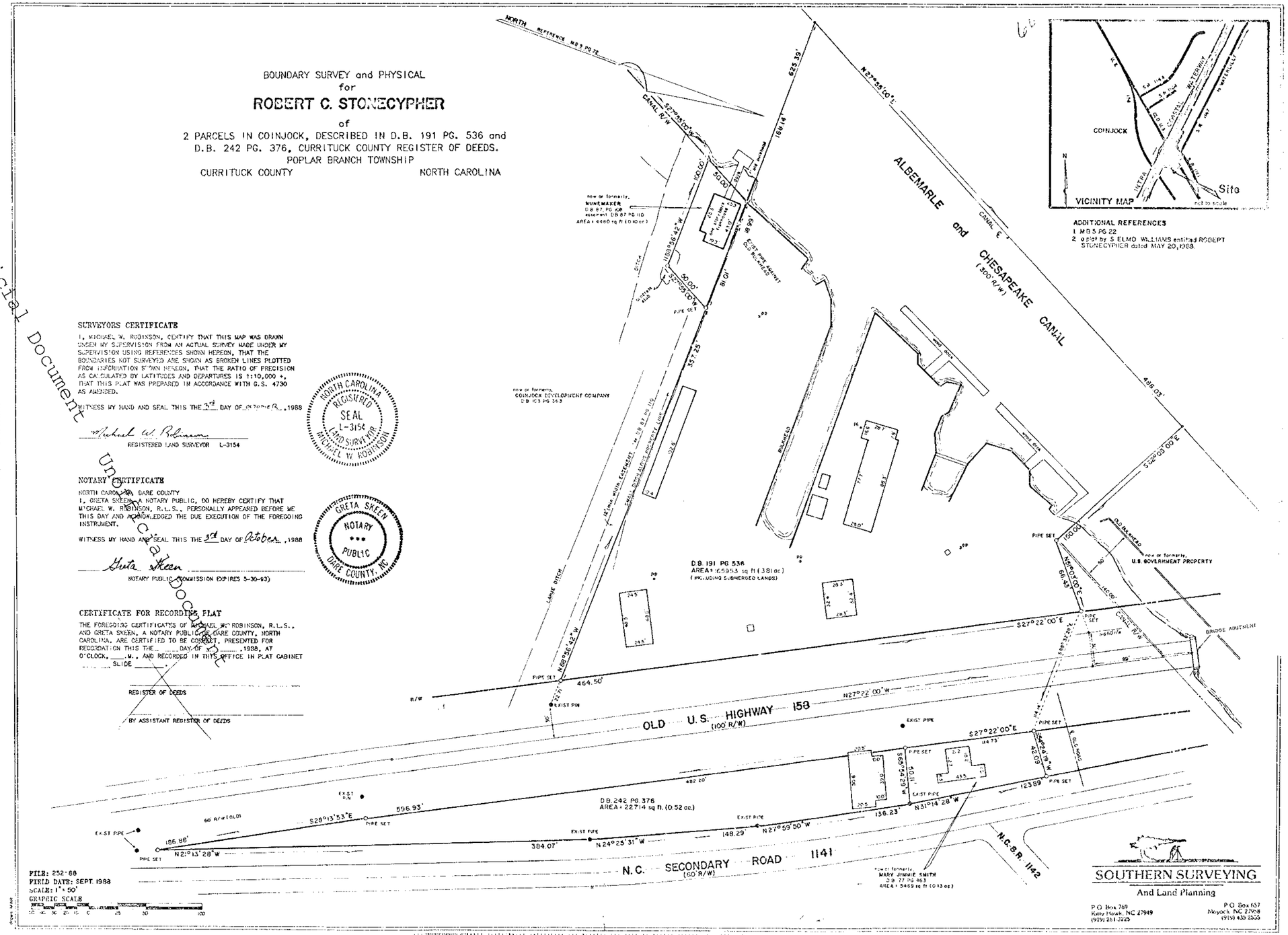


Attachment: Exhibit A3 Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

EXHIBIT B

Unofficial Document

BOUNDARY SURVEY and PHYSICAL
for
ROBERT C. STONECYPHER
of
2 PARCELS IN COINJOCK, DESCRIBED IN D.B. 191 PG. 536 and
D.B. 242 PG. 376, CURRITUCK COUNTY REGISTER OF DEEDS.
POPLAR BRANCH TOWNSHIP
CURRITUCK COUNTY NORTH CAROLINA



ADDITIONAL REFERENCES
1. MB 5 PG 22
2. a plat by S. ELMO WILLIAMS entitled ROBERT STONECYPHER dated MAY 20, 1988.

SURVEYORS CERTIFICATE

I, MICHAEL W. ROBINSON, CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION USING REFERENCES SHOWN HEREON, THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES PLOTTED FROM INFORMATION SHOWN HEREON, THAT THE RATIO OF PRECISION AS CALCULATED BY LATITUDES AND DEPARTURES IS 1:10,000 +, THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED.

WITNESS MY HAND AND SEAL THIS THE 3rd DAY OF October, 1988

Michael W. Robinson
REGISTERED LAND SURVEYOR L-3154

NORTH CAROLINA REGISTERED SEAL L-3154 LAND SURVEYOR MICHAEL W. ROBINSON

NOTARY CERTIFICATE

NORTH CAROLINA, DARE COUNTY

I, GRETA SKEEN, A NOTARY PUBLIC, DO HEREBY CERTIFY THAT MICHAEL W. ROBINSON, R.L.S., PERSONALLY APPEARED BEFORE ME THIS DAY AND ACKNOWLEDGED THE DUE EXECUTION OF THE FOREGOING INSTRUMENT.

WITNESS MY HAND AND SEAL THIS THE 3rd DAY OF October, 1988

Greta Skeen
NOTARY PUBLIC COMMISSION EXPIRES 5-30-93

GRETA SKEEN NOTARY PUBLIC DARE COUNTY, NC

CERTIFICATE FOR RECORDING PLAT

THE FOREGOING CERTIFICATES OF MICHAEL W. ROBINSON, R.L.S., AND GRETA SKEEN, A NOTARY PUBLIC OF DARE COUNTY, NORTH CAROLINA, ARE CERTIFIED TO BE CORRECT, PRESENTED FOR RECORDATION THIS THE ____ DAY OF _____, 1988, AT ____ O'CLOCK, ____ M., AND RECORDED IN THIS OFFICE IN PLAT CABINET ____, SLIDE ____.

REGISTER OF DEEDS

BY ASSISTANT REGISTER OF DEEDS

FILE: 252-88
FIELD DATE: SEPT 1988
SCALE: 1" = 50'
GRAPHIC SCALE

SOUTHERN SURVEYING
And Land Planning
P.O. Box 769
Kitty Hawk, NC 27949
(919) 261-3225
P.O. Box 637
Moyock, NC 27958
(919) 435-2555

NORTH CAROLINA, CURRITUCK COUNTY
The foregoing certificate(s) of Gretta Skeen Notary Pub
is (are) certified to be correct. This instrument was presented for registration at 11:30 o'clock A.M. on the 3rd day of February, 19 89, and recorded in Book D Page 66
Christine S. Swain, Register of Deeds
By Nancy B. Woodard, Deputy Register of Deeds

Unofficial Document

Attachment: Exhibit B Resolution Close Old USHwy 158 (1823 : Resolution-Road Closure-Old US Hwy 158 (SR 1405))

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1832)

Agenda Item Title

An Ordinance of the Currituck County Board of Commissioners Amending Chapter 10 of the Currituck County Code of Ordinances to Prohibit Aircraft on County Beaches

Brief Description of Agenda Item:

Board Action Requested

Action

Person Submitting Agenda Item

Leeann Walton, Clerk to the Board

Presenter of Agenda Item

AN ORDINANCE OF THE CURRITUCK COUNTY BOARD OF COMMISSIONERS AMENDING CHAPTER 10 OF THE CURRITUCK COUNTY CODE OF ORDINANCES TO PROHIBIT AIRCRAFT ON COUNTY BEACHES

WHEREAS, pursuant to N.C. Gen. Stat. §153A-121 a county may by ordinance define, regulate, prohibit, or abate acts, omissions, or conditions detrimental to the health, safety, or welfare of its citizens and the peace and dignity of the county;

WHEREAS, the Board of Commissioners for the County of Currituck finds that the landing and takeoff of aircraft from the county beaches is not conducive to the recreational use of the county beaches and use of motor vehicles on portions of the county beach that are public vehicular areas and would be detrimental to the ability of persons to freely and safely enjoy the public beach.

NOW, THEREFORE, BE IT ORDAINED by the Board of Commissioners for the County of Currituck, North Carolina as follows:

PART I. The Code of Ordinances, Currituck County, North Carolina is amended by adding a new Section 10-65 to Chapter 10 of the Code of Ordinances to read as follows:

Sec. 10-65. Aircraft prohibited.

It shall be unlawful for any person to voluntarily bring, land or cause to descend or alight, ascend or take off on or from the beach strand or foreshore any fixed-wing or rotary-wing aircraft. Nothing in this section shall prohibit the landing or takeoff of fixed-wing or rotary-wing aircraft for the purpose of transporting injured or critically ill patients or landing because of an in-flight emergency.

PART II. All ordinances or parts of ordinances in conflict with this ordinance are hereby repealed.

PART III. This ordinance is effective upon adoption.

ADOPTED this 20th day of March, 2017

_____
Bobby Hanig, Chairman
Board of Commissioners

ATTEST:

_____
Leeann Walton, Clerk to the Board

(COUNTY SEAL)

Attachment: Ordinance Amending Chapter 10 Prohibit Aircraft On Beach (1832 : Ordinance-Prohibit Landing of Aircraft on Beach)

APPROVED AS TO FORM:

_____

Donald I. McRee, Jr., County Attorney

Date adopted: _____

Motion to adopt by Commissioner _____

Second by Commissioner _____

Vote: _____ AYES _____NAYS

Attachment: Ordinance Amending Chapter 10 Prohibit Aircraft On Beach (1832 : Ordinance-Prohibit Landing of Aircraft on Beach)

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1840)

Agenda Item Title

Consideration and Action on an Ordinance of the Currituck County Board of Commissioners Amending Chapter 9, Article III, Section 9-71 of the Currituck County Code of Ordinances to Provide that Emission of Certain Material into the Open Air Shall Constitute a Nuisance.

Brief Description of Agenda Item:

Board Action Requested

Action

Person Submitting Agenda Item

Leeann Walton, Clerk to the Board

Presenter of Agenda Item

Ike McRee

AN ORDINANCE OF THE CURRITUCK COUNTY BOARD OF COMMISSIONERS AMENDING CHAPTER 9, ARTICLE III, SECTION 9-71 OF THE CURRITUCK COUNTY CODE OF ORDINANCES TO PROVIDE THAT EMISSION OF CERTAIN MATERIAL INTO THE OPEN AIR SHALL CONSTITUTE A NUISANCE

WHEREAS, pursuant to N.C. Gen. Stat. §153A-121 a county may by ordinance define, regulate, prohibit, or abate acts, omissions, or conditions detrimental to the health, safety, or welfare of its citizens and the peace and dignity of the county; and

WHEREAS, pursuant to N.C. Gen. Stat. §153A-140 a county may remove, abate, or remedy everything that is dangerous or prejudicial to the public health or safety; and

WHEREAS, the emission of dirt, dust, other particulate matter, fumes and odors in an uncontrolled manner that extends beyond the property line from where the emission occurs is detrimental to health, safety, welfare and peaceful enjoyment of affected citizens and property.

NOW, THEREFORE, BE IT ORDAINED by the Board of Commissioners for the County of Currituck, North Carolina as follows:

PART I. **Sec. 9-71. Certain conditions declared nuisances.** of the Code of Ordinances, Currituck County, North Carolina is amended to read as follows:

Sec. 9-71. Certain conditions declared nuisances.

The existence of any of the following conditions on any lot, whether improved or not, or other parcel of land within the county limits is hereby declared to be dangerous and prejudicial to the public health or safety and to constitute a public nuisance:

(1) *Growth of weeds and grass.* The uncontrolled growth of noxious weeds or grass causing or threatening to cause a hazard detrimental to the public health or safety.

(2) *Accumulations of animal or vegetable matter.* Any accumulation of animal or vegetable matter that is offensive by virtue of odors or vapors or by the inhabitation therein of rats, mice, snakes or vermin of any kind which is or may be dangerous or prejudicial to the public health.

(3) *Accumulations of rubbish.* Any accumulation of rubbish, trash or junk causing or threatening to cause a fire hazard, causing or threatening to cause the accumulation of stagnant water or causing or threatening to cause the inhabitation therein of rats, mice, snakes or vermin of any kind which is or may be dangerous or prejudicial to the public health.

(4) *Obstruction of drainage ways.* The placement of rubbish, trash, yard debris, grass clippings, leaves, limbs, branches, soil, or junk impeding the flow of water and/or causing or threatening to cause the obstruction of drainage ways.

Attachment: Ordinance Amending Chapter 9 Code of Ordinances Nuisance Open Air EmissionB (1840 : Ordinance Amendment to Nuisance

(5) *Conditions violating health department rules.* Any condition detrimental to the public health which violates the rules and regulations of the local health department.

(6) *Burned or partially burned buildings or structures.* Any building or other structure which has been burned, partially burned or otherwise partially destroyed and which is unsightly or hazardous to the safety of any person, is a continuing fire hazard or which is structurally unsound to the extent that the county building official can reasonably determine that there is a likelihood of personal or property injury to any person or property entering the premises.

(7) *Storm or erosion damaged structures and resulting debris.* The existence of any of the following conditions associated with storm-damaged or erosion-damaged structures or their resultant debris shall constitute a public nuisance:

a. Damaged structure in danger of collapsing;

b. Damaged structure or debris from damaged structures where it can reasonably be determined that there is a likelihood of personal or property injury;

c. Any structure, regardless of condition, or any debris from damaged structure which is located in whole or in part in a public trust area or public land.

(8) *Structurally deteriorated, or storm damaged automobile service station canopies.* Any automobile service station canopy with loose, unanchored, or missing cladding, or fascia panels prone to progressive collapse, or structurally unsound members damaged by storms, vehicles, or deterioration.

(9) *Vicious animals.* The keeping of a vicious animal as defined in section 3-62

(10) *All terrain vehicles.* The operation of an all terrain vehicle:

a. In a reckless manner;

b. In a manner that creates excessive noise;

c. In a manner that spreads dust;

d. On a track or course located on property used for residential purposes; or

e. By any person, not being on his own lands, who without the consent of the owner thereof, willfully commits any damage, injury or spoliation to or upon any tree, wood, underwood, timber, garden, crops, vegetables, plants, lands, springs, or any other matter or thing growing or being thereon.

Attachment: Ordinance Amending Chapter 9 Code of Ordinances Nuisance Open Air EmissionB (1840 : Ordinance Amendment to Nuisance

For purposes of this section, "all terrain vehicle" shall mean a wheeled or tracked motorized vehicle designed and used primarily for off-road use with two, three, four or six low-pressure tires and including, but not limited to, dirt or trail bikes.

(11) *Vegetation obstructions.* The growth of shrubs, trees or other vegetation that impedes public safety vehicle and firefighting equipment ingress and egress in the following locations that are utilized as public safety vehicle and firefighting access routes and areas: private street easements, private drives, parking lots and/or drive isles, fire hydrant easements, designated fire lanes or other public vehicular areas.

(12) *Discharge of materials into the open air.* Emission of excessive dust into the open air in such a manner as to cause injury, detriment, nuisance or annoyance to any person, or to threaten to or does impair or affect the health any person or to endanger the health or safety of any person, or to cause or have a natural tendency to cause injury or damage to property. "Emission of excessive dust" means that dust is visible extending beyond the property line of the property from where the dust is emitted. This paragraph does not apply to the cultivation of land for crop production, crop irrigation, harvesting, on site curing, storage or preparation of crops or protection of crops from damage or disease conducted in accordance to practices acceptable to the North Carolina Department of Agriculture and Consumer Services.

~~(12)~~ (13) *Miscellaneous.* Any other condition that is specified as a nuisance in this Code.

PART II. If any provision, section, part, paragraph, phrase or sentence of this ordinance is found to be invalid, all other provisions, parts, paragraphs, phrases, and sentences shall remain valid and in full force and effect.

PART III. All ordinances or parts of ordinances in conflict with this ordinance are hereby repealed.

PART IV. This ordinance shall be effective immediately upon its adoption.

ADOPTED this 20th day of March, 2017.

_____
Bobby Hanig, Chairman
Board of Commissioners

ATTEST:

_____ (COUNTY SEAL)
Leeann Walton
Clerk to the Board of Commissioners

APPROVED AS TO FORM:

_____

Attachment: Ordinance Amending Chapter 9 Code of Ordinances Nuisance Open Air EmissionB (1840 : Ordinance Amendment to Nuisance

Donald I. McRee, Jr.
County Attorney

Date adopted: _____

Motion to adopt by Commissioner _____
Second by Commissioner _____
Vote: _____ AYES _____NAYS

Attachment: Ordinance Amending Chapter 9 Code of Ordinances Nuisance Open Air EmissionB (1840 : Ordinance Amendment to Nuisance

CURRITUCK COUNTY
NORTH CAROLINA

March 6, 2017
Minutes – Regular Meeting of the Board of Commissioners

WORK SESSION

1. 5:00 PM Knotts Island Volunteer Fire Department

The Currituck County Board of Commissioners met in a work session at 5 PM in the Conference Room of the Historic Courthouse. Knotts Island Volunteer Fire Department Chief Kevin Morgan was present to discuss challenges and delays associated with a fire truck the department had ordered utilizing funds appropriated two years ago. Chief Morgan explained the wrong chassis was delivered initially, resulting in having to return it and order a new one. Chief Morgan said all parts are in and he expects an April delivery if all goes well. He said although very slow on the build, there will be a considerable cost savings, spending $175-200,000 less than comparable trucks purchased by other departments. Finances and contract processes were discussed and Chief Morgan apologized for the delay. He said the build is moving forward and he is happy with the status currently.

6:00 PM CALL TO ORDER

The Currituck County Board of Commissioners held its regular meeting at 6 PM in the Board Meeting Room of the Historic Currituck Courthouse, 153 Courthouse Road, Currituck, North Carolina.

Attendee Name	Title	Status	Arrived
Bobby Hanig	Chairman	Present	
Mike D. Hall	Vice Chairman	Present	
Paul M. Beaumont	Commissioner	Present	
Mary "Kitty" Etheridge	Commissioner	Present	
Marion Gilbert	Commissioner	Present	
Mike H. Payment	Commissioner	Present	
Bob White	Commissioner	Present	

Chairman Hanig called the meeting to order.

A) Invocation & Pledge of Allegiance-Reverend Jerry Cribb, Pilmor United Methodist Church

Reverend Jerry Cribb was not in attendance. Commissioner Beaumont gave the Invocation and led the Pledge of Allegiance.

Communication: Minutes for March 6, 2017 (Approval Of Minutes for March 6, 2017)

B) Approval of Agenda

Commissioner Hall moved to approve the agenda. Commissioner Gilbert seconded and the motion passed unanimously.

Approved Agenda:

Work Session

5:00 PM Knotts Island Volunteer Fire Department

6:00 PM Call to Order

A) Invocation & Pledge of Allegiance-Reverend Jerry Cribb, Pilmor United Methodist Church

B) Approval of Agenda

Public Comment

Please limit comments to matters other than those appearing on this agenda as a Public Hearing. Public comments are limited to 3 minutes.

Old Business

A) **Consideration & Action: PB 16-18 Lauren Berry: A request to amend the Unified Development Ordinance to establish commercial fishing as an accessory use.**

New Business

A) Board Appointments

1. Library Board of Trustees
2. Senior Citizens Advisory

B) Consent Agenda

1. Approval Of Minutes for February 20, 2017
2. Budget Amendments
3. Resolution Opposing Petition to Reclassify Coastal Waters as Secondary Nursery Areas
4. Proclamation Declaring March 2017 as American Red Cross Month
5. Proclamation Declaring March 5-11, 2017 as Severe Weather Preparedness Week
6. Proclamation Declaring April 9-15, 2017 as Telecommunicators Week

C) Commissioner's Report

D) County Manager's Report

Special Meeting of the Ocean Sands Water & Sewer District Board

Communication: Minutes for March 6, 2017 (Approval Of Minutes for March 6, 2017)

Budget Amendment

Closed Session

Closed session pursuant to G.S. 143-318.11(a)(6) to discuss a personnel matter.

Adjourn

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Mike D. Hall, Vice Chairman
SECONDER:	Marion Gilbert, Commissioner
AYES:	Bobby Hanig, Chairman, Mike D. Hall, Vice Chairman, Paul M. Beaumont, Commissioner, Mary "Kitty" Etheridge, Commissioner, Marion Gilbert, Commissioner, Mike H. Payment, Commissioner, Bob White, Commissioner

PUBLIC COMMENT

Please limit comments to matters other than those appearing on this agenda as a Public Hearing. Public comments are limited to 3 minutes.

Chairman Hanig opened the Public Comment period.

Marv Alphin of the Albemarle Chapter of the American Red Cross announced March as American Red Cross month. He spoke about the public's role which include contributions and volunteering. He discussed services provided by the Red Cross and the need for volunteers. Mr. Alphin encouraged citizens to call the Red Cross at 335-2185 to learn more about volunteer opportunities.

Rebecca Hearring said Wayne Burch's crabbing operation infringes on her property. She said crab waste is being dumped into the canal, boats are tied up in the canal, and traffic runs up and down the roadway. She cited odor and loss of home value as reasons for the Board to deny approval of the text amendment allowing crab fishing in residential neighborhoods.

Steve Kinnaird of Alex Lane said he is not against the crab pots on Mr. Burch's property but has a problem with the traffic related to the wholesale and retail sales taking place.

Wayne Twiford, Jr., Waterlily, said he is a long time commercial fisherman and fishing is a way of life here. He urged Commissioners to think about the livelihoods of the commercial fishermen when voting.

Gwen Dodson of Womack Drive wants Commissioners to deny the request. She asked that any recommendations be brought before the public for review if the Board was considering allowing commercial operations in residential areas. She is not against crabbers but wants neighborhoods to look nice.

Lauren Berry of Alex Lane, said the reason for text amendment is to find a compromise between commercial fisherman and the county. She reviewed Unified Development

Communication: Minutes for March 6, 2017 (Approval Of Minutes for March 6, 2017)

Ordinance standards and said commercial fishing is legal under the "goodness grows" agricultural definition.

Wayne Lewark of Knotts Island said he is also a long time fisherman and does not want to see new rules stop him from fishing. He said the Board can make crabbers clean up if needed. He runs a tight ship and keeps his place looking good.

With no others wishing to speak the Public Comment period was closed.

OLD BUSINESS

A. Consideration & Action: PB 16-18 Lauren Berry: A request to amend the Unified Development Ordinance to establish commercial fishing as an accessory use.

To: Board of Commissioners

From: Planning Staff

Date: November 14, 2016

Subject: PB 16-18 Lauren Berry Text Amendment REVISED

Lauren Berry initially submitted a text amendment to establish commercial fishing (watermen) as a principal use. After reviewing the proposed language, it did not appear to be consistent with the land use plan policies and goals. Ms. Berry worked with staff to address concerns related to the proposed text amendment.

There are portions of the commercial fishing operation that present concerns (i.e. outdoor storage of equipment, watercraft, and number of employees). The revised text amendment provides outdoor storage regulations associated with commercial fishing on-site operations. The revised text amendment provides a maximum outdoor storage limit (10%), buffers to adjacent properties, and requires the operation meet the accessory use general standards in the UDO. The number of watercraft or vessels and employees are not specifically addressed but would require the operation to maintain the residential neighborhood character of the community.

BACKGROUND

In many instances, commercial fishing operations are home occupations or accessory uses to principal uses of property. The home occupation standards require a dwelling unit on the property and limit the size and appearance of the commercial activity.

Occasionally, the county receives complaints related to commercial fishing operations near residential subdivisions. The complaints range from crab pot storage, boat storage, parking, noise, and odor. A notice of violation was sent to Wayne Burch in April, 2016 for not meeting the home occupation standards related to a commercial fishing and crabbing operation. Lauren Berry and Wayne Burch met with staff and elected to submit a text amendment in an effort to allow larger commercial fishing operations in residential districts by modifying the crab shedding principal use regulations. On November 3, 2016 after discussing the county concerns related to the proposed amendment, Ms. Berry modified her request to establish accessory use standards for commercial fishing. It should be noted that current operations may continue to operate under their approved permits. Expansions of operations or operations not approved would be subject to the text amendment.

In 2009, a stakeholder steering committee was established to assess the storage of boats for commercial fishermen. A draft text amendment was proposed and, no action was taken by the Board of Commissioners. During the 2013 UDO re-write many of the industrial uses found in the UDO were evaluated to determine what districts the use should be allowed. The 2013 UDO re-write removed crab shedding as a principal use from residential zoning districts.

The activities typically associated with commercial fishing often include:

- Outdoor storage of boats, nets, crab pots, refrigeration units, and other types of equipment.
- Crab shedding

Communication: Minutes for March 6, 2017 (Approval Of Minutes for March 6, 2017)

- Traffic
- On site sales and storage of fish, crabs, bait, and equipment.

LAND USE PLAN CONSISTENCY

The 2006 Land Use Plan states, "traditional commercial crabbing activities, both on Knotts Island and the Mainland have generated some conflicts with sound front residential uses but with no associated water quality impacts." The 2006 Land Use Plan Policy statements that are relevant to the request and the secondary impacts are as follows:

POLICY ED1: NEW AND EXPANDING INDUSTRIES AND BUSINESSES should be especially encouraged that 1) diversify the local economy, 2) train and utilize a more highly skilled labor force, and 3) are compatible with the environmental quality and natural amenity-based economy of Currituck County.

POLICY CD7: Attractive, environmentally beneficial LANDSCAPING shall be provided by new commercial or office developments, and in the rehabilitation and upgrading of existing developments. Appropriate BUFFERING or other effective DESIGN FEATURES may be employed to allow less intensive forms of commercial and office development to adjoin existing or planned residential uses.

The 2006 Land Use and Development Goals relevant to the request are as follows:

10. To properly distribute development forms in accordance with the suitability of the land, infrastructure available and the compatibility of surround land uses.

RECOMMENDATION

The board may include limitations on the number of employees and watercraft not owned by the property owner to be consistent with home occupation standards. Planning staff recommends approval of the revised text amendment since the request is consistent with the goals, objectives, and policies of the Land Use Plan, and is reasonable and in the public interest by providing setbacks and buffers from adjacent properties that will improve the compatibility among uses to ensure efficient development within the county.

Planning Board Discussion (11/8/2016)
Donna Voliva gave a revised staff report to the board members. Originally, PB 16-18 Lauren Berry was a request to amend the Unified Development Ordinance (UDO) to modify the standards and title of crabshedding uses and allow commercial watermen in the single family mainland (SFM) and Agriculture (AG) zoning districts as a principal use. Ms. Berry worked with staff to revise the language so it would be more consistent with the land use plan policies and goals. The revised text amendment would permit commercial fishing uses as an accessory use instead of a principal use.

Ms. Voliva said at least once per year they receive a complaint regarding something related to commercial fishing. It is usually related to outside storage, too many boats, noise, etc. Commercial fishing as proposed as an accessory use will allow for storage that was not allowed under the home occupation standards. This text amendment attempts to minimize the impacts by having some additional general requirements and additional standards in the AG and SFM districts as outlined in the revised staff report. Some requirements are having 10 foot setbacks, onsite freezing and packing are allowed, no increased traffic, no onsite signs. No retail sales of products, but wholesale would be allowed. Excluding personal vehicles, one additional vehicle and one trailer (8 x 32) are allowed. Also, one employee is allowed. Most of these requirements are already in the crabbshedding regulation, with the exception of outdoor storage. Outdoor storage would be permissible at 10 percent of the total lot area or 1,000 square feet, whichever is greater. Outdoor storage has to be buffered with a minimum of a 6 foot opaque fence or retained vegetation equivalent to a six foot opaque fence. The storage cannot exceed the height of the buffer or must be in an enclosed building and has to be located to the side or rear of the principal structure.

Ms. Voliva said the planning staff is recommending approval for the revised text amendment because it is consistent with the goals and objectives, policies of the Land Use Plan and it is considered reasonable in the public interest by providing setbacks and buffers from adjacent properties that would improve the compatibility among uses to ensure efficient development within the county.

Ms. Overton asked if this would apply in an industrial zone and Ms. Voliva said this text amendment would not apply to that zone and an additional text amendment would be needed if that was required.

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Ms. Bell asked what prolonged means in the General Terms and said it was vague and unenforceable. Mr. Whiteman agreed with Ms. Bell with the use of the words prolonged and excessive. Mr. Whiteman also said that the excessive noise is redundant since we already have a noise policy in the county. Chairman Cooper said if something is redundant and unenforceable then we need to strike it.

Chairman Cooper asked the applicant to come and present her case.

Applicant, Lauren Berry, appeared before the board. Ms. Berry said Currituck County has approximately 100 full time watermen and ninety percent of all the catch is through crabpots. The county has a long history that was built around the water and we need to allow for commercial crabbing to continue. She said the average income of commercial fisherman in Currituck County is $24,000 and the average medium income is $32,000. Ms. Berry said the waterman's lower income does not allow for the ability to rent a building for $2,000 per month to maintain their business. Ms. Berry said the reason the word prolonged was included in the General Requirements (b) was for protection of the waterman when a complaint is received on a boat that just came in with their catch.

Chairman Cooper asked Ms. Berry what a normal day was like for a waterman. Ms. Berry said they start work depending on sunrise that day. Their boats are already in the water in their backyards. They usually have one to two dock hands. They go out to get their catch; they bring it back in and load it into baskets into the back of a pickup truck to take to the wholesaler. Normally, one of the dock hands stays and cleans the boat. The waterman does not want to leave their boat dirty since this is their means of making money. There is a smell when they come in, but after it's cleaned the smell is gone.

Mr. Whiteman asked what the average size house is for a waterman. Ms. Berry said she does not know the average size for all, but Mr. Burch's house is approximately 750 feet. Ms. Berry said with the old policy of 25 percent only gives you 250 square feet of storage for a 1000 square foot home and this is not enough storage space. This is why this text amendment is important.

Mr. Whiteman asked how long crab pots are stored and how long before they are used again. Ms. Berry said they are usually in the water, but by regulation they have to be out of the water about 30 days around January-February. There will also be times, such as during a hurricane when the watermen will bring in their pots since they are valued at $50 each. They may also bring them in for maintenance.

Chairman Cooper asked for clarification on the 25 percent and 10 percent. Ms. Voliva said the 25 percent would be mainly for refrigeration units and structures. The 10 percent will be mostly crab pot storage.

Chairman Cooper opened the public hearing.

Terry Overton appeared before the board. He said he was unable to purchase a house at one time in Woodard Acres due to people complaining about fifty crab pots in his yard. So when the issue came up with Wayne Burch, he decided to support him because of what he had been through.

Melvin Lewis appeared before the board. He said he had been through this some ordeal back in 1993 in Shawboro. His competitors made several complaints on him to the county. He planted a buffer and ran his business until 2003 with no complaints from residences. Mr. Lewis said storage is the problem. Crab pots have a smell when they first come in off the boats, but after spraying them down, they will not smell the next day. Boats will also smell, but bleach and spraying them down takes away the smell. The bait comes in frozen on pallets and goes into the freezer so there is no smell.

Daniel Boan appeared before the board and said he has 300 crab pots which he stacks five high in a 40' x 40' area and he has not received any complaints.

Karen Dupie appeared before the board. She said her retired military husband is working as a fisherman. He has 400 pots and two boats without any complaints, but does need the additional square footage for storage.

Retired Navy Chief, William Dupie appeared before the board and said he works with Wayne Burch and was present when a complaint was made on the refrigerators being too loud. When the sheriffs did the noise test, it was no louder than an air conditioner.

Mark Roman appeared before the board and said he has been a commercial fisherman for 30 years. He stacks his crab pots 3 high. He has twelve acres and does not currently have a problem with any complaints, but is here to support the waterman who have smaller lot sizes and need the storage area.

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Heidi Smith who works with Lauren Berry appeared before the board in support of the text amendment.

Chairman Cooper closed the public hearing.

Motion - Mr. Whiteman motioned to approve the text amendment with the following modification: Remove "excessive noise" from General Requirements (b) and remove "or 1,000 square feet whichever is greater" from Additional Standards in the AG and SFM Districts.
Approval for this text amendment is consistent with the goals and objectives, policies of the Land Use Plan and it is considered reasonable in the public interest by providing setbacks and buffers from adjacent properties that would improve the compatibility among uses to ensure efficient development within the county. Ms. Overstreet seconded the motion and the motion carried unanimously.

RESULT:	**RECOMMENDED APPROVAL [7 TO 0]**	**Next: 12/5/2016 6:00 PM**
MOVER:	Fred Whiteman, Board Member	
SECONDER:	Jane Overstreet, Board Member	
AYES:	John Cooper, Chairman, Carol Bell, Vice Chairman, Robert (Bobby) Bell, Board Member, Mike Cason, Board Member, John McColley, Board Member, Jane Overstreet, Board Member, Fred Whiteman, Board Member	
RECUSED:	Steven Craddock, Board Member	

Planning Board Discussion (10/11/2016)
A motion was made by Mr. Cartwright to table PB 16-18 Lauren Berry to the next Planning Board Meeting to be held on November 8, 2016 since the applicant nor was a representative present. Mr. Craddock recused himself from voting. Mr. Whiteman seconded the motion and the motion carried unanimously.

RESULT:	**TABLED [6 TO 0]**	**Next: 11/8/2016 7:00**
MOVER:	Clay Cartwright, Board Member Fred Whiteman,	
SECONDER:	Carol Bell, Vice Chairman, Robert (Bobby) Bell, Board Member, Clay Cartwright, Board Member, John McColley, Board Member, Jane Overstreet, Board Member, Fred Whiteman, Board Member	
RECUSED:	Steven Craddock, Board Member	

PB 16-18
LAUREN BERRY

Amendment to the Unified Development Ordinance, Chapter 4. Use Standards establish commercial fishing as an accessory use.

BE IT ORDAINED by the Board of Commissioners of the County of Currituck, North Carolina that the Unified Development Ordinance of the County of Currituck be amended as follows:

Item 1: That Chapter 4. Use Standards, Section 4.3 Accessory Use Standards is amended by adding the following underlined language and renumber accordingly:

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TABLE 4.3.2.E: TABLE OF COMMON ACCESSORY USES

P = Permitted by-right Z = Zoning Compliance Permit; U = Use Permit; MP = Allowed with Master Plan; CZ= Allowed in a Conditional Zoning District blank cell = Prohibited

ACCESSORY USE TYPE	ZONING DISTRICT																ADDITIONAL REQ. (4.3.___)
	RC	AG	SFM	SFO	SFR	SFI	MXR	GB	LB	CC	VC	LI	HI	PD-R	PD-M	PD-O	
INDUSTRIAL USE CLASSIFICATION																	
Commercial Fishing																	3.F

F. Commercial Fishing

Commercial fishing uses shall be permitted as an accessory use and shall comply with the following standards:

(1) General Requirements

(a) All phases of the operation must be conducted not less than 10 feet from the property line and not less than 50 feet from any adjacent dwelling;

(b) No prolonged, excessive, odor, fumes, ~~excessive noise~~, or traffic shall be allowed; and,

Commentary: Planning Board recommends removal of "excessive noise" since the Code of Ordinances regulates noise.

(c) On-premise freezing, packing and preparation for shipping is allowed.

(2) Additional Standards in the AG and SFM Districts

(a) The accessory use shall not change the character of the residential neighborhood in terms of appearance, noise, odors, traffic, or other impacts;

(b) On-premise signage shall not be allowed;

(c) On-premise retail sales of products shall not be allowed;

(d) Excluding personal vehicles, no more than one truck, van, car, or other vehicle, or part of a vehicle, which is visible from adjacent public streets may be kept on the site;

(e) No vehicle or trailer which is larger than 8 feet by 32 feet shall be maintained on-site; and,

(f) Outdoor storage shall be subject to the following standards:

(i) Outdoor storage shall not exceed 10 percent of the total lot area ~~or 1,000 square feet whichever is greater~~;

Commentary: The Planning Board recommends removal of 1,000 square foot since the statement will only apply to lots less than 10,000.

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(ii) Outdoor storage shall be buffered from adjacent properties with opaque fencing a minimum of six feet in height or retained vegetation equivalent to a six foot opaque fence.;
(iii) Outdoor storage shall be located to the side or rear of the principal structure; and,
(iv) Temporary storage of crab pots shall be located inside a fully enclosed building or not exceed the height of the opaque buffer.

Item 3: The provisions of this Ordinance are severable and if any of its provisions or any sentence, clause, or paragraph or the application thereof to any person or circumstance shall be held unconstitutional or violative of the Laws of the State of North Carolina by any court of competent jurisdiction, the decision of such court shall not affect or impair any of the remaining provisions which can be given effect without the invalid provision or application.

Item 4: This ordinance amendment shall be in effect from and after the _____ day of _____, 2016.

Ben Woody, Planning and Community Development Director, provided a timeline from the notice of violation issued to Mr. Wayne Burch for operating a commercial fishing business through Mr. Burch's appeal before the Board of Adjustment scheduled for March 9, 2017. The appeal would be specific to the Alex Lane property. Ms. Berry submitted a text amendment which would have a county-wide affect. Mr. Woody reviewed investigations related to home based businesses and home based occupations, and investigations are made on a case by case basis.

Mr. Woody read the aquaculture definition in the bona fide farm exemption, which was referred to by Ms. Berry in her public comment statements. He began a review of the request and provided comments gathered through a survey offered at a public meeting that was held on the issue in February. The survey contained questions pertaining to storage, sales, lot sizes, setbacks and other matters related to commercial fishing operations. Mr. Woody recalled the meeting of January 17, 2017, where the Board of Commissioners held and closed the Public Hearing on the text amendment and directed staff to hold a public meeting.

Responding to Board questions, Mr. Woody confirmed the text amendment was submitted by Lauren Berry in response to a notice of violation issued to Wayne Burch, and was not a county-initiated effort. He said Mr. Burch's commercial crabshedding and dealer licensing was acquired in 2014. Mr. Burch has had a fishing license since 2001. Mr. Woody suggested taking time to educate and provide outreach to the community so they are aware of tools that are available and responsibilities. He said nothing will change with those already in operation.

Mr. McRee reviewed the nuisance ordinance and explained how enforcement of the nuisance ordinance can resolve some issues.

Commissioner Payment said he doesn't feel a text amendment is needed, as he is not

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aware of any other complaints against commercial crabbers. When asked, Mr. Woody said the county can educate commercial fishermen and residents. He said if the text amendment is denied current operators may continue to do so, and any future complaints would be reviewed on a case by case basis. It would be difficult for new businesses to start up in a small lot residential subdivision, he said, with restrictive covenants and deed restrictions in place.

Commissioner Payment moved to deny PB 16-18 because it is not consistent with the Land Use Plan because it's incompatible commercial encroachment within or immediately adjoining residential areas shall be prohibited as stated in Policy CD5; access to a higher intensity development or other large traffic generators shall not be permitted through a local street serving a single-family residential neighborhood, in Policy TR11. The request is not reasonable and not in the public's best interest because it allows a recently expanded commercial fishing use in a residentially zoned subdivision; and the intensity of the use, including commercial traffic, outdoor storage, and wholesale sales, is not compatible with the surrounding small-lot residential uses.

The motion was seconded by Commissioner Gilbert and passed unanimously with 7 in favor, 0 opposed.

RESULT:	**DENIAL [UNANIMOUS]**
MOVER:	Mike H. Payment, Commissioner
SECONDER:	Marion Gilbert, Commissioner
AYES:	Bobby Hanig, Chairman, Mike D. Hall, Vice Chairman, Paul M. Beaumont, Commissioner, Mary "Kitty" Etheridge, Commissioner, Marion Gilbert, Commissioner, Mike H. Payment, Commissioner, Bob White, Commissioner

NEW BUSINESS

A) Board Appointments

1. Library Board of Trustees

Commissioner Beaumont nominated Leigh Dix to serve on the Library Board of Trustees. Commissioner Etheridge motioned for approval and Commissioner Gilbert seconded. The nominee was unanimously approved.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Mary "Kitty" Etheridge, Commissioner
SECONDER:	Marion Gilbert, Commissioner
AYES:	Bobby Hanig, Chairman, Mike D. Hall, Vice Chairman, Paul M. Beaumont, Commissioner, Mary "Kitty" Etheridge, Commissioner, Marion Gilbert, Commissioner, Mike H. Payment, Commissioner, Bob White, Commissioner

2. Senior Citizens Advisory

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Bob White nominated Cindy Scott for reappointment to the Senior Citizens Advisory. Commissioner Etheridge motioned for approval and Commissioner Gilbert seconded. The motion passed unanimously.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Mary "Kitty" Etheridge, Commissioner
SECONDER:	Marion Gilbert, Commissioner
AYES:	Bobby Hanig, Chairman, Mike D. Hall, Vice Chairman, Paul M. Beaumont, Commissioner, Mary "Kitty" Etheridge, Commissioner, Marion Gilbert, Commissioner, Mike H. Payment, Commissioner, Bob White, Commissioner

B) Consent Agenda

Commissioner Gilbert moved to approve the Consent Agenda. The motion was seconded by Commissioner Beaumont and passed unanimously.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Marion Gilbert, Commissioner
SECONDER:	Paul M. Beaumont, Commissioner
AYES:	Bobby Hanig, Chairman, Mike D. Hall, Vice Chairman, Paul M. Beaumont, Commissioner, Mary "Kitty" Etheridge, Commissioner, Marion Gilbert, Commissioner, Mike H. Payment, Commissioner, Bob White, Commissioner

1) Approval Of Minutes for February 20, 2017

1. Minutes for February 20, 2017

2. Budget Amendments

		Debit	Credit
Account Number	Account Description	Decrease Revenue or Increase Expense	Increase Revenue or Decrease Expense
61818-514000	Travel	$ 1,000	
61818-514500	Training & Education	$ 1,000	
61818-532000	Supplies	$ 3,990	
61818-545000	Contracted Services	$ 3,000	
61818-533800	Chemicals		$ 8,990
		$ 8,990	$ 8,990
Explanation:	Mainland Water (61818) - Transfer budgeted funds between line items for operations for the remainder of this fiscal year.		
Net Budget Effect:	Mainland Water Fund (61) - No change.		

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Account Number	Account Description	Debit: Decrease Revenue or Increase Expense	Credit: Increase Revenue or Decrease Expense
68888-533200	Lab Test	$ 1,000	
68888-533800	Chemicals	$ 2,000	
68888-553000	Dues & Subscriptions	$ 1	
68888-590000	Capital Outlay		$ 3,001
		$ 3,001	$ 3,001

Explanation: Walnut Island Sewer (68888) - Transfer funds from capital outlay for operations for the remainder of this fiscal year.

Net Budget Effect: Walnut Island Sewer (68) - No change.

Account Number	Account Description	Debit: Decrease Revenue or Increase Expense	Credit: Increase Revenue or Decrease Expense
10460-516000	Repairs & Maintenance		$ 2,000
10460-590000	Capital Outlay	$ 2,000	
		$ 2,000	$ 2,000

Explanation: Public Works (10460) - Transfer funds for additional cost for gutter replacement at the Cooperative Extension facility.

Net Budget Effect: Operating Fund (10) - No change.

Account Number	Account Description	Debit: Decrease Revenue or Increase Expense	Credit: Increase Revenue or Decrease Expense
67878-590000	Capital Outlay	$ 6,500	
67878-545000	Contract Services		$ 6,500
		$ 6,500	$ 6,500

Explanation: Moyock Central Sewer (67878) - Transfer funds to replace blower unit at the Moyock Central Sewer System.

Net Budget Effect: Moyock Central Sewer Fund (67) - No change.

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		Debit	Credit
		Decrease Revenue or	Increase Revenue or
Account Number	Account Description	Increase Expense	Decrease Expense
66868-590000	Capital Outlay	$ 23,000	
66868-532000	Supplies	$ 7,000	
66868-513000	Fuel		$ 5,000
66868-533800	Chemicals		$ 15,000
66868-545000	Contracted Services		$ 10,000
		$ 30,000	$ 30,000
Explanation:	Southern Outer Banks (66868) - Transfer funds for emergency replacement of RO skids at the Southern Outer Banks Water Plant.		
Net Budget Effect:	Southern Outer Banks Water (66) - No change.		

3. Resolution Opposing Petition to Reclassify Coastal Waters as Secondary Nursery Areas

RESOLUTION
OPPOSING THE DESIGNATION OF SPECIAL SECONDARY NURSERY AREAS

WHEREAS, a petition for rulemaking to designate Special Secondary Nursery Areas and Reduce Bycatch Mortality has been submitted to the NC Marine Fisheries Commission by the NC Wildlife Federation; and

WHEREAS, the petition seeks to designate all inshore and ocean waters out to three miles as Special Secondary Nursery Areas and define the type of gear and how and when gear may be used during shrimp season; and

WHEREAS, if adopted, the petition would severely limit shrimp trawling, which would have a devastating impact on commercial fishing families by arbitrarily impairing their livelihood and depriving American tables of fresh, healthy catches of North Carolina harvested shrimp; and

WHEREAS, shrimp trawling has been a vibrant and successful part of North Carolina's heritage and culture for all of its history and represents a means by which generations of commercial watermen create jobs, provide for their families, and contribute to the economic wellbeing of North Carolina's coastal communities; and

WHEREAS, existing state and federal regulations provide ample provisions for monitoring and regulation of commercial shrimping with serious penalties and sanctions for rule violations, which have proven to be effective in preventing overfishing and waste.

NOW THEREFORE BE IT RESOLVED that the Currituck County Board of Commissioners hereby opposes the petition for rulemaking to Designate Special Secondary Nursery Areas and Reduce Bycatch Mortality in North Carolina Coastal Fishing Waters as set forth by the NC Wildlife Federation and strongly urges the North Carolina Marine Fisheries Commission to reject it.

BE IT FURTHER RESOLVED that the Currituck County Board of Commissioners asks all coastal communities to support North Carolina's working watermen by adopting similar resolutions in opposition of this petition for rulemaking that would put North Carolina shrimping in jeopardy.

Adopted this the 6th day of March, 2017.

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4. Proclamation Declaring March 2017 as American Red Cross Month

AMERICAN RED CROSS MONTH 2017

A Proclamation

In Currituck County**, we have a long history of helping our neighbors in need.** American Red Cross Month is a special time to recognize and thank our heroes - those Red Cross volunteers and donors who give of their time and resources to help community members.

These heroes help families find shelter after a home fire. They give blood to help trauma victims and cancer patients. They deliver comfort items to military members in the hospital. They use their lifesaving skills to save someone from a heart attack, drowning or choking. They enable children around the globe to be vaccinated against measles and rubella.

The American Red Cross depends on local heroes to deliver help and hope during a disaster. **We applaud our heroes here in Currituck County who give of themselves** to assist their neighbors when they need a helping hand.

Across the country and around the world, the American Red Cross responds to disasters big and small. In fact, every eight minutes the organization responds to a community disaster, providing shelter, food, emotional support and other necessities to those affected. It collects nearly 40 percent of the nation's blood supply; provides 24-hour support to military members, veterans and their families; teaches millions lifesaving skills, such as lifeguarding and CPR; and through its Restoring Family Links program, connects family members separated by crisis, conflict or migration.

We dedicate the month of March to all those who support the American Red Cross mission to prevent and alleviate human suffering in the face of emergencies. Our community depends on the American Red Cross, which relies on donations of time, money and blood to fulfill its humanitarian mission.
NOW, THEREFORE, the Currituck County Board of Commissioners does hereby proclaim March 2017 as American Red Cross Month and encourages all Americans to support this organization and its noble humanitarian mission.
ADOPTED this, the 6th day of March, in the year of our Lord two thousand seventeen, by the Currituck County Board of Commissioners. State of North Carolina.

5. Proclamation Declaring March 5-11, 2017 as Severe Weather Preparedness Week

SEVERE WEATHER PREPAREDNESS WEEK 2017
BY THE BOARD OF COMMISSIONERS OF THE COUNTY OF CURRITUCK
A PROCLAMATION

WHEREAS, North Carolina is traditionally an active tornado and severe thunderstorms state; and

WHEREAS, in 2016 the National Weather Service (NWS) in North Carolina issued 61 tornado warnings and recorded 16 tornadoes; and
WHEREAS, in 2016 the National Weather Service in North Carolina issued 697 severe thunderstorm warnings and recorded 827 incidents of severe thunderstorms with damaging winds and/or large hail; and
WHEREAS, the average warning lead time for severe weather and tornadoes was 20 minutes; and

WHEREAS, severe thunderstorms produce hail at least an inch in diameter, 58 mph + winds or can produce a tornado; and

WHEREAS, all thunderstorms produce lightning, and strikes are a significant threat in North Carolina. Remember, if you hear thunder roar, go indoors!

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WHEREAS, Currituck County residents should listen to local radio, television, a weather channel or a National Oceanic and Atmospheric Administration radio for information on severe weather; and

WHEREAS, residents should make a family emergency plan with details on how to get to a safe location, contact each other and get back together. Include in the plan the safest locations on their regularly traveled routes; and

WHEREAS, residents should have an emergency supply kit in their homes and vehicles that include a first aid kit, battery-powered radio, flashlight and non-perishable foods, bottled water, sturdy shoes and gloves; and

WHEREAS, Currituck County residents, businesses and schools are urged to participate in the statewide tornado drill on Wednesday, March 8th at 9:30 a.m.; and

WHEREAS, Currituck County Emergency Management works to inform and educate residents about staying safe when severe weather strikes and ReadyNC.org and the free mobile app are available to provide current weather and traffic conditions; and

NOW THEREFORE BE IT RESOLVED, that the Currituck County Board of Commissioners, do hereby support the statewide **"SEVERE WEATHER PREPAREDNESS WEEK"** MARCH 5 - 11 in Currituck County, and call upon our residents to observe the week with appropriate activities that promote awareness of severe weather and how to stay safe.

ADOPTED this, the 6th day of March, 2017.

6. Proclamation Declaring April 9-15, 2017 as Telecommunicators Week

Proclamation

National Public Safety Telecommunicators Week
April 9-15, 2017

Whereas, emergencies can occur at anytime that require police, fire or emergency medical services; and,

Whereas, when an emergency occurs the prompt response of police officers, firefighters and paramedics is critical to the protection of life and preservation of property; and,

Whereas, the safety of our police officers and firefighters is dependent upon the quality and accuracy of information obtained from citizens who telephone the Currituck County Communications center; and,

Whereas, Public Safety Telecommunicators are the first and most critical contact our citizens have with emergency services; and,

Whereas, Public Safety Telecommunicators are the single vital link for our police officers and firefighters by monitoring their activities by radio, providing them information and insuring their safety; and,

Whereas, Public Safety Telecommunicators of Currituck County have contributed substantially to the apprehension of criminals, suppression of fires and treatment of patients; and,

Whereas, each dispatcher has exhibited compassion, understanding and professionalism during the performance of their job in the past year;

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***Therefore Be It Resolved*,** that the Board of Commissioners of Currituck County declares the week of April 9 through 15, 2017 to be National Public Safety Telecommunicators Week in Currituck County, in honor of the men and women whose diligence and professionalism keep our county and citizens safe.

Be it Further Resolved that the Currituck County Board of Commissioners, to honor these dedicated professionals each year going forward, do proclaim and recognize the second week in April as National Public Safety Telecommunicators Week.

Signed this 6th day of March, 2017.

C) Commissioner's Report

Commissioner White said he met with the Tourism Advisory Board, with nothing to report. He said Carteret county had passed a resolution to add party tickets for candidates running for the school board.

Commissioner Gilbert announced the month of March is the March for Meals month and encouraged colleagues to sign up to deliver meals. Contact the senior center if interested.

Commissioner Hall announced the Moyock Women's Club chili cook off to be held Sunday at 1 PM at the truck center in Moyock.

D) County Manager's Report

The County Manager had nothing to report.

RECESS AND RECONVENE AS THE OCEAN SANDS WATER & SEWER DISTRICT BOARD

Chairman Hanig recessed the meeting of the Board of Commissioners and reconvened sitting as the Ocean Sands Water and Sewer District Board.

SPECIAL MEETING OF THE OCEAN SANDS WATER & SEWER DISTRICT BOARD

The Currituck County Board of Commissioners held a Special Meeting in the Board Meeting Room of the Historic Courthouse, 153 Courthouse Road, Currituck, sitting as the Ocean Sands Water and Sewer District Board for the purpose of considering a budget amendment.

E. Budget Amendment

County Manager, Dan Scanlon, reviewed the budget amendment with the Board. Commissioner Gilbert moved for approval. Chairman Hanig seconded and the motion passed unanimously.

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Account Number	Account Description	Debit Decrease Revenue or Increase Expense	Credit Increase Revenue or Decrease Expense
60808-533801	Chemicals	$ 7,000	
60808-590001	Capital Outlay	$ 21,000	
60808-545001	Contracted Services		$ 28,000
		$ 28,000	$ 28,000
Explanation:	Ocean Sands Water and Sewer District (60808) - Transfer funds for additional chemicals and replacement of the ground water lowering station at the Ocean Sands sewer.		
Net Budget Effect:	Ocean Sands Water and Sewer District Fund (60) - No change.		

With no further business Chairman Hanig closed the special meeting of the Ocean Sands Water and Sewer District Board.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Marion Gilbert, Commissioner
SECONDER:	Bobby Hanig, Chairman
AYES:	Bobby Hanig, Chairman, Mike D. Hall, Vice Chairman, Paul M. Beaumont, Commissioner, Mary "Kitty" Etheridge, Commissioner, Marion Gilbert, Commissioner, Mike H. Payment, Commissioner, Bob White, Commissioner

CLOSED SESSION

Upon adjournment of a special meeting of the Ocean Sands Water and Sewer District Board, Chairman Hanig reconvened the regular meeting of the Board of Commissioners.

F. Closed session pursuant to G.S. 143-318.11(a)(6) to discuss a personnel matter.

Chairman Hanig moved to enter Closed Session pursuant to G.S. 143-318.11(a)(6) to discuss matters related to personnel. Commissioner Beaumont seconded and the motion passed unanimously. The Board of Commissioners entered Closed Session.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Bobby Hanig, Chairman
SECONDER:	Paul M. Beaumont, Commissioner
AYES:	Bobby Hanig, Chairman, Mike D. Hall, Vice Chairman, Paul M. Beaumont, Commissioner, Mary "Kitty" Etheridge, Commissioner, Marion Gilbert, Commissioner, Mike H. Payment, Commissioner, Bob White, Commissioner

ADJOURN

Motion to Adjourn Meeting

Communication: Minutes for March 6, 2017 (Approval Of Minutes for March 6, 2017)

Commissioners had no further business after returning from Closed Session. Commissioner Payment moved to adjourn and Commissioner Beaumont seconded the motion. The motion passed unanimously and the regular meeting of the Board of Commissioners was adjourned.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Mike H. Payment, Commissioner
SECONDER:	Paul M. Beaumont, Commissioner
AYES:	Bobby Hanig, Chairman, Mike D. Hall, Vice Chairman, Paul M. Beaumont, Commissioner, Mary "Kitty" Etheridge, Commissioner, Marion Gilbert, Commissioner, Mike H. Payment, Commissioner, Bob White, Commissioner

Communication: Minutes for March 6, 2017 (Approval Of Minutes for March 6, 2017)

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1843)

Agenda Item Title

Budget Amendments

Brief Description of Agenda Item:

Board Action Requested

Action

Person Submitting Agenda Item

Leeann Walton, Clerk to the Board

Presenter of Agenda Item

ıber 2017074

BUDGET AMENDMENT

The Currituck County Board of Commissioners, at a meeting on the 20th day of March 2017, passed the following amendment to the budget resolution for the fiscal year ending June 30, 2017.

		Debit	Credit
Account Number	Account Description	Decrease Revenue or Increase Expense	Increase Revenue or Decrease Expense
10795-590000	Capital Outlay	$ 9,380	$ -
10795-576001	Youth Baseball/Softball		$ 9,380
		$ 9,380	$ 9,380

Explanation: Parks & Recreation (10795) - Transfer funds to purchase three portable pitching mounds.

Net Budget Effect: Operating Fund (10) - No change.

Minute Book # _____, Page # _____

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Clerk to the Board

Attachment: BudAmend-Mar-20-17 (1843 : Budget Amendments)

ber 2017075

BUDGET AMENDMENT

The Currituck County Board of Commissioners, at a meeting on the 20th day of March 2017, passed the following amendment to the budget resolution for the fiscal year ending June 30, 2017.

Account Number	Account Description	Debit Decrease Revenue or Increase Expense	Credit Increase Revenue or Decrease Expense
10535-590000	Capital Outlay	$ 4,982	
10535-545000	Contracted services		$ 4,982
		$ 4,982	$ 4,982

Explanation: Communications (10535) - Transfer funds for Uniterruptable Power Supply (UPS) for back-up communications site. This portion was not allowed by Emergency Telephone funds.

Net Budget Effect: Operating Fund (10) - No change.

Minute Book # _____, Page # _____

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Clerk to the Board

Attachment: BudAmend-Mar-20-17 (1843 : Budget Amendments)

ıber 2017076

BUDGET AMENDMENT

The Currituck County Board of Commissioners, at a meeting on the 20th day of March 2017, passed the following amendment to the budget resolution for the fiscal year ending June 30, 2017.

Account Number	Account Description	Debit Decrease Revenue or Increase Expense	Credit Increase Revenue or Decrease Expense
10460-590000	Capital Outlay	$ 10,000	
10460-532000	Supplies		$ 6,500
10460-516000	Repairs & Maintenance		$ 3,500
		$ 10,000	$ 10,000

Explanation: Public Works (10460) - Transfer funds for painting of Sheriff's Office on Maple Road.

Net Budget Effect: Operating Fund (10) - No change.

Minute Book # _____, Page # _____

Journal # _____

Clerk to the Board

Attachment: BudAmend-Mar-20-17 (1843 : Budget Amendments)

ıber 2017077

BUDGET AMENDMENT

The Currituck County Board of Commissioners, at a meeting on the 20th day of March 2017, passed the following amendment to the budget resolution for the fiscal year ending June 30, 2017.

Account Number	Account Description	Debit Decrease Revenue or Increase Expense	Credit Increase Revenue or Decrease Expense
10750-590000	Capital Outlay	$ 3,000	
10380-481000	Investment Earnings		$ 3,000
		$ 3,000	$ 3,000

Explanation: Social Services (10750) - Increase appropriations for replacement of fire alarm system at Social Services.

Net Budget Effect: Operating Fund (10) - Increased by $3,000.

Minute Book # _____, Page # _____

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Clerk to the Board

Attachment: BudAmend-Mar-20-17 (1843 : Budget Amendments)

ɔer 2017078

BUDGET AMENDMENT

The Currituck County Board of Commissioners, at a meeting on the 20th day of March 2017, passed the following amendment to the budget resolution for the fiscal year ending June 30, 2017.

		Debit	Credit
Account Number	Account Description	Decrease Revenue or Increase Expense	Increase Revenue or Decrease Expense
20609-588000	Contingency		$ 54,052
20609-545000	Contracted Services	$ 51,552	
20609-590000	Capital Outlay	$ 2,500	
		$ 54,052	$ 54,052

Explanation: Whalehead Stormwater Drainage District (20609) - Tranfer contingency funds for an evaulation of the Whalehead Stormwater Drainage District and emergency replacement of pump.

Net Budget Effect: Whalehead Stormwater Drainage District Fund (20) - No change.

Minute Book # _____, Page # _____

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Clerk to the Board

Attachment: BudAmend-Mar-20-17 (1843 : Budget Amendments)

ber 2017079

BUDGET AMENDMENT

The Currituck County Board of Commissioners, at a meeting on the 20th day of March 2017, passed the following amendment to the budget resolution for the fiscal year ending June 30, 2017.

Account Number	Account Description	Debit Decrease Revenue or Increase Expense	Credit Increase Revenue or Decrease Expense
10511-516200	Vehicle Repairs & Maintenance		$ 5,200
10511-516000	Repairs & Maintenance	$ 5,200	
		$ 5,200	$ 5,200

Explanation: Detention Center (10511) - Transfer for equipment repair for the remainder of this fiscal year.

Net Budget Effect: Operating Fund (10) - No change.

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Clerk to the Board

Attachment: BudAmend-Mar-20-17 (1843 : Budget Amendments)

ıber 2017080

BUDGET AMENDMENT

The Currituck County Board of Commissioners, at a meeting on the 20th day of March 2017, passed the following amendment to the budget resolution for the fiscal year ending June 30, 2017.

Account Number	Account Description	Debit Decrease Revenue or Increase Expense	Credit Increase Revenue or Decrease Expense
10800-585009	College of the Albemarle	$ 32,920	
10390-499900	Appropriated Fund Balance		$ 32,920
		$ 32,920	$ 32,920

Explanation: Education (10800) - Increase annual appropriation to the College of the Albemarle to incorporate the avionics equipment into other space and convert the avionics classroom into a genral purpose classroom. This will be funded through reserved fund balance for the College of the Albermarle.

Net Budget Effect: Operating Fund (10) - Increased by $32,920.

Minute Book # _____, Page # _____

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Clerk to the Board

Attachment: BudAmend-Mar-20-17 (1843 : Budget Amendments)

ɔer 2017081

BUDGET AMENDMENT

The Currituck County Board of Commissioners, at a meeting on the 20th day of March 2017, passed the following amendment to the budget resolution for the fiscal year ending June 30, 2017.

		Debit	Credit
Account Number	Account Description	Decrease Revenue or Increase Expense	Increase Revenue or Decrease Expense
10650-511000	Telephone & Postage	$ 400	
10650-526000	Advertising	$ 1,500	
10650-506000	Insurance Expense		$ 1,900
		$ 1,900	$ 1,900

Explanation: Economic Development (10650) - Transfer budgeted funds to advertise Economic Development Director position and for telephone and postage costs for the remainder of this fiscal year.

Net Budget Effect: Operating Fund (10) - No change.

Minute Book # _____, Page # _____

Journal # _____

_____
Clerk to the Board

Attachment: BudAmend-Mar-20-17 (1843 : Budget Amendments)

ber 2017082

BUDGET AMENDMENT

The Currituck County Board of Commissioners, at a meeting on the 20th day of March 2017, passed the following amendment to the budget resolution for the fiscal year ending June 30, 2017.

		Debit	Credit
Account Number	Account Description	Decrease Revenue or Increase Expense	Increase Revenue or Decrease Expense
10420-514000	Travel	$ 4,000	
10420-532000	Suplies	$ 500	
10420-561000	Professional Services		$ 4,500
		$ 4,500	$ 4,500

Explanation: Governing Body (10420) - Transfer budgeted funds for governing body to attend various training and for additional supplies for the remainder of this fiscal year.

Net Budget Effect: Operating Fund (10) - No change.

Minute Book # _____, Page # _____

Journal # _____

Clerk to the Board

Attachment: BudAmend-Mar-20-17 (1843 : Budget Amendments)

nber 2017083

BUDGET AMENDMENT

The Currituck County Board of Commissioners, at a meeting on the 20th day of March 2017, passed the following amendment to the budget resolution for the fiscal year ending June 30, 2017.

		Debit	Credit
Account Number	Account Description	Decrease Revenue or Increase Expense	Increase Revenue or Decrease Expense
10410-516200	Vehicle Maintenance	$ 1,000	
10410-516000	Repairs & Maintenance	$ 75	
10410-553000	Dues & Subscriptions	$ 1,400	
10410-557100	Software License Fees	$ 104	
10410-561000	Professional Services		$ 2,579
		$ 2,579	$ 2,579

Explanation: Administration (10410) - Transfer budget funds for operations for the remainder of this fiscal year.

Net Budget Effect: Operating Fund (10) - No change.

Minute Book # _____, Page # _____

Journal # _____

Clerk to the Board

Attachment: BudAmend-Mar-20-17 (1843 : Budget Amendments)

ber 2017084

BUDGET AMENDMENT

The Currituck County Board of Commissioners, at a meeting on the 20th day of March 2017, passed the following amendment to the budget resolution for the fiscal year ending June 30, 2017.

Account Number	Account Description	Debit Decrease Revenue or Increase Expense	Credit Increase Revenue or Decrease Expense
30850-505000	FICA Expense	$ 500	
30850-507100	Separation Allowance Expense	$ 5,500	
30850-545000	Contract Services		$ 6,000
		$ 6,000	$ 6,000

Explanation: Post-employment Retiree Benefits (30850) - Transfer budgeted funds for unanticipated Law Enforcement Separation Allowance eligible retirees.

Net Budget Effect: Post-employment Benefits (30850) - No change.

Minute Book # _____, Page # _____

Journal # _____

Clerk to the Board

Attachment: BudAmend-Mar-20-17 (1843 : Budget Amendments)

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1831)

Agenda Item Title

Proclamation Designating April as Senior Games Participation Month

Brief Description of Agenda Item:

Board Action Requested

Action

Person Submitting Agenda Item

Leeann Walton, Clerk to the Board

Presenter of Agenda Item

Attachment: Proclamation-April as Senior Games Participation Month (1831 : Proclamation-April as Senior Games Participation Month)

Designation of April as
Senior Games Participation Month

WHEREAS, mature adults and the entire community look forward to the Albemarle Senior Games, an Olympic style event designed to create year-round health promotion and competition for participants that are 50 years of age and better; and

WHEREAS, the Albemarle Senior Games, held March 27-May 23 of this year, is sanctioned by North Carolina Senior Games, Inc.; and

WHEREAS, the Albemarle Senior Games takes a holistic approach by involving the body, mind and spirit of its athletes and promoting the importance of aging in a healthy manner; and

WHEREAS, the regional event, engaging the counties of Camden, Chowan, Currituck, Gates, Hyde, Pasquotank, Perquimans, Tyrrell and Washington with the goal to enhance growth, development and connection to opportunity for all participants and volunteers, was founded 33 years ago, in 1984; and

WHEREAS, participants will compete in a total of 48 athletic events and 34 artistic categories; and

WHEREAS, our well wishes are extended to all of the competitors.

NOW THEREFORE, the Currituck County Board of Commissioners does hereby proclaim that April be recognized as Senior Games Participation Month in the County of Currituck, and promotes participation as well as volunteerism within the Albemarle Senior Games program

Adopted this 20th day of March, 2017.

_____

ATTEST: Bobby Hanig, Chairman

_____

Clerk to the Board

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1838)

Agenda Item Title

Resolution of Support for the College of the Albemarle

Brief Description of Agenda Item:

Resolution in support of a local act to allow College of the Albemarle to contribute Connect NC Bond Funds for the construction of Currituck County's new Public Safety Building. College of the Albemarle will utilize the new Public Safety facility to provide regional training and educational courses for law enforcement and emergency personnel.

Board Action Requested

Action

Person Submitting Agenda Item

Leeann Walton, Clerk to the Board

Presenter of Agenda Item

Daniel F. Scanlon

Attachment: Currituck Resolution-COA 3 20 (1838 : Resolution-College of the Albemarle-Public Safety Bldg Funding)

Resolution of Support for the College of the Albemarle

WHEREAS, The County of Currituck is in need of constructing a Public Safety Center to the education and training of public safety professionals; the operations of public safety services, including Emergency management, 911 Communications, Sheriff's Department, Emergency Medical Services, and Volunteer Fire Department; and, the protection of the citizens of Currituck County; and,

WHEREAS, The County of Currituck has invited the College of The Albemarle to be a long-term tenant in a new Public Safety Center, bringing to the Center a host of curriculum and continuing education training programs for the benefit of the entire Albemarle region; and,

WHEREAS, The College of The Albemarle (COA) is in need of state-of-the-art, efficient education and training facilities for its public safety programs, the relocation and consolidation of which would enable COA to create critically needed spaces in Elizabeth City for backfill with Trades Programs in Electrical, HVAC and Welding; and,

WHEREAS, the County of Currituck owns the property upon which the Public Safety Center will be constructed, and has experience at constructing county-owned facilities at a substantial savings; and,

WHEREAS, COA has available Connect NC State Bond funds for investment in spaces that it will occupy in the Public Safety Facility, but is unable to invest those funds in a joint venture with the County of Currituck without special dispensation from the North Carolina General Assembly;

NOW, THEREFORE, BE IT HEREBY RESOLVED BY THE CURRITUCK COUNTY BOARD OF COMMISSIONERS, THAT strong support is given to the COA Board of Trustees to any legislative initiative that provides relief to the College from the General Statutes of North Carolina that would frustrate, restrict or prohibit COA's investment of State Bond funds in a joint venture with the County in a Public Safety education and training facility to be constructed by said County.

Adopted this 20th day of March, 2017.

_____

Bobby Hanig, Chairman

ATTEST:

_____

Clerk to the Board

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1833)

Agenda Item Title

Surplus Resolution-Emergency Management, Mobile Radios

Brief Description of Agenda Item:

Board Action Requested

Action

Person Submitting Agenda Item

Leeann Walton, Clerk to the Board

Presenter of Agenda Item

RESOLUTION

WHEREAS, THE Board of Commissioners of the County of Currituck, North Carolina during its regularly scheduled meeting authorized the following, pursuant to G.S. 160A and 270(b) that the property listed below will be sold at auction, negotiated sale or will be disposed of if not sellable.

County Asset Tag	Description	Serial Number
1993	Mobile VHF Radio	483HNN0661
2543	Moto UHF portable radio	749ARS0917
5981	UHF Moto Link Transmitter/Cabinet	# not found
2450	Moto Max Track Radio	428ARC2504
2197	Moto Max Track Radio	428FPS6583

NOW, THEREFORE, BE IT RESOLVED, that the Board of Commissioners of the County of Currituck reserves the tight to reject any and all bids.

ADOPTED, this 20th day of March, 2017.

Bobby Hanig
County of Currituck, Board of Commissioners

Leeann Walton
Clerk to the Board (Seal)

Attachment: EM_Surplus_Mobile_Radios (1833 : Surplus Resolution-EM Radios)

Currituck County
Agenda Item Summary Sheet

Agenda ID Number – (ID # 1827)

Agenda Item Title

Ocean Sands Water & Sewer District-Budget Amendment

Brief Description of Agenda Item:

Board Action Requested

Action

Person Submitting Agenda Item

Leeann Walton, Clerk to the Board

Presenter of Agenda Item

ıber OS20170005

BUDGET AMENDMENT

The Currituck County Board of Commissioners, at a meeting on the 20th day of March 2017, passed the following amendment to the budget resolution for the fiscal year ending June 30, 2017.

Account Number	Account Description	Debit Decrease Revenue or Increase Expense	Credit Increase Revenue or Decrease Expense
59808-596100	Professional Services	$ 425,000	
59808-588000	Contingency		$ 125,000
59390-495060	T F - Ocean Sands Operating Fund		$ 300,000
		$ 425,000	$ 425,000

Explanation: Ocean Sands Construction Fund (59808) - Increase appropriations for design, permiting and construction administration of Phases II and III and the Ocean Sands Wastewater Treatment Plant replacement.

Net Budget Effect: Ocean Sands Water and Sewer District Fund (60) - Increased by $300,000.

Minute Book # _____, Page # _____

Journal # _____

Clerk to the Board

Attachment: BA-Ocean Sands Mar 20 (1827 : OSWSD Board)