



**Whalehead Stormwater Drainage District  
Agenda Packet**

**May 12, 2017**

**Call to Order****Approval of Minutes****Old Business**

- A) **Update on Moffatt and Nichol Study**
- B) Update on Corolla Light Concerns
- C) Feedback on drainage issues and future plans for the WPOA spring membership meeting
- D) Update on landscaping work

**New Business**

- A) Discussion of county plans, if any, to remove asphalt from the Bonito parking lot and whether the advisory board should act to expedite the process.
- B) Discussion of NCDOT's lack of action to remedy flooding at the Bonito entrance to Whalehead and consideration of possible courses of action.

**Public Comments****Set Next Meeting Date****Adjourn**



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Raleigh, NC 27609

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## PROGRESS REPORT

**DATE:** May 3, 2017 **YOUR REF. #:** 9759

**CLIENT:** Currituck County, NC

**ATTENTION:** Eric Weatherly

**FROM:** Ryan Smith

**SUBJECT:** Whalehead Subdivision Drainage System Evaluation

**Progress Report – March 26, 2017 to April 29, 2017**

### Task 1 – Project Management and POA Meeting (6% Complete)

- Reviewed the project scope and set up the project with the accounting department after receiving the notice to proceed
- Continued general M&N team correspondence

### Task 2 – Data Collection and Review (95% Complete)

- Collected and reviewed electronic data from prior Whalehead projects and reviewed materials provided by the County
- Produced drainage-related maps of the subdivision for large scale drainage evaluation and for the field visit
- Visited the project area to collect field data and discuss potential alternatives with the County
- Downloaded SCADA information from each pump station for Hurricane Matthew and surrounding time period, along with other periods of normal operation

### Task 3 – Evaluate Existing System Performance (30% Complete)

- Processed SCADA information in Excel and determined pump run volumes
- Analyzed pumping rates and run times under various weather/water table conditions
- Constructed groundwater hydraulic models at a pump/infiltration system scale to analyze hydraulics in the near vicinity of the systems in more detail

### Task 4 – Develop Drainage Improvement Solutions (6% Complete)

- Began investigating concepts that could target surface water and meet stormwater treatment regulatory requirements

Task 5 – Correspond with Regulatory Agencies (0% Complete)

Task 6 – Final Report (0% Complete)

Attachment: M and N Update1 5-8-17 (1892 : Moffatt and Nichol Study)



Invoice



3780 Kilroy Airport Way  
Suite 750  
Long Beach, CA 90806  
P: (562) 590-6500

Eric Weatherly  
County Engineer  
Currituck County  
153 Courthouse Road  
Currituck, NC 27929

May 3, 2017  
Invoice No: <Draft>

Project 9759 Whalehead Subdivision Drainage System Evaluation  
Contract No. or Purchase Order No. :477  
**Professional Services from March 26, 2017 to April 29, 2017**

Total Fee	51,552.00		
Percent Complete	0.00	Total Earned	0.00
		Previous Fee Billing	0.00
		Current Fee Billing	0.00
		<b>Total Fee</b>	<b>0.00</b>
		<b>TOTAL DUE THIS INVOICE</b>	<b>0.00</b>

<input checked="" type="checkbox"/>	1. OK to Bill	% Billing (Lump Sum): <u>13.00</u>
<input type="checkbox"/>	2. Attach Backup as noted: _____	
<input type="checkbox"/>	3. Make Changes to Invoice as noted (please attach markup of prebill)	
	<input type="checkbox"/> Rerun Draft Invoice after changes	<input type="checkbox"/> OK to Bill after changes
<input type="checkbox"/>	4. Do Not Bill at this time (BUL Approval Required)	
	<input type="checkbox"/> HOLD - Proposal is in process	<input type="checkbox"/> HOLD for Milestone Billing
	<input type="checkbox"/> Other Reason: _____	
<input type="checkbox"/>	5. Write off as noted (BUL Approval Required for Amounts Over \$100)	
	PM Approval for Billing: <u>[Signature]</u>	Date: <u>5/4/17</u>
	BUL Approval (if req'd): _____	Date: _____

<p><b>Check Lockbox Account</b></p> <p>Payable to: Moffatt &amp; Nichol P.O. Box 51760 Los Angeles, CA 90051-0068 ClientPayments@moffattnichol.com</p>	<p><b>ACH / Wire Payment Information</b></p> <p>Bank / Account Name: Union Bank / Moffatt &amp; Nichol Address: 400 California St. San Francisco, CA 94101 Account Number: 4501065066 Fed Routing Number: 122000496</p>	<p><b>International Wires</b></p> <p>Swift Code: Bofcus33mpk</p>
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Attachment: M and N Update1 5-8-17 (1892 : Moffatt and Nichol Study)