

## **Addendum No. 2**

Date: *May 4, 2023*  
Solicitation Number: *FY23-ITBCON-26*  
Title: *Beaverdam Creek Pump Station Expansion*

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Bidders should acknowledge receipt of this addendum on the Bid Form. Failure to acknowledge receipt of this addendum may result in the bid not being considered.

All Bidders are responsible for monitoring CLTWater's Contracting Opportunities website (<https://www.charlottenc.gov/Growth-and-Development/Doing-Business>) for additional changes or clarifications.

**The below listed attachments follow:**

- **Addendum 2**
- **Location of Discharge Manhole**
- **C-410 Bid Form 5.24.19, Page 3**



# Addendum 2

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**Subject:** Addendum No. 2

**Date:** May 4, 2023

**Project:** Beaverdam Creek Pump Station Expansion Project

**Owner:** Charlotte Water

**To:** Plan Holders

Contractors submitting proposals for the above-named project shall take note of the following changes, additions, deletions, clarifications, etc. in the Contract Documents, which shall become a part of and have precedence over anything contrarily shown or described in the Contract Documents, and all such shall be taken into consideration and be included in the Contractor's bid proposal.

Plan holders wishing to submit bids should acknowledge receipt of this and all Addenda by listing the Addendum Numbers on the appropriate line of Section C-410 Bid Form. If every Addendum is not listed, the Bid Proposal will be considered nonresponsive.

This Addendum consists of pages 1 through 5 plus attachments and covers the following additions and changes to the specifications and drawings for this project.

## DRAWINGS

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1. On Drawing C020, DELETE, "REMOVE CONE AND COVER FROM EXISTING MANHOLE".
2. On Drawing C100, REPLACE Key Note 7 with the following:  
*"REFER TO GENERAL NOTE 4 ON SHEET S102. LINER TO BE INSPECTED BY ENGINEER APPROVED LINING MANUFACTURER THAT HAS EXPERIENCE WITH REPAIRS TO A T-LOCK LINING SYSTEM. CONTRACTOR TO PERFORM LINER REPAIRS IDENTIFIED DURING INSPECTION. LINER REPAIRS SHALL BE PERFORMED BY SUBCONTRACTOR CERTIFIED BY LINING MANUFACTURER."*

## SPECIFICATIONS

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1. C-410 Bid Form to be modified as follows:  
INSERT new Item 6, liner removal and installation of new for discharge manhole, renumber subsequent bid items.  
INSERT new Item 7, spot repair of liner for manhole or wet well (no removal for existing liner required), renumber subsequent bid items.
2. Section 01 12 50 Measurement and Payment, will be modified as follows:  
INSERT new Items 1.13 and 1.14:

### **1.13 LINER REMOVAL AND INSTALLATION OF NEW LINER FOR DISCHARGE MANHOLE**

#### **A. MEASUREMENT**

1. *The bid item for liner removal and installation of new liner includes all labor, equipment, and materials needed to remove and install a new liner at the discharge manhole identified in the Drawings if it is determined to be damaged beyond spot repairs by approved liner manufacturer and Engineer. Measurement for shall be based on the actual linear or square footage of the manhole.*

**B. PAYMENT**

1. *Payment for liner removal and new liner installation shall be made at the quantity authorized at the unit price indicated on the Bid Form.*

## **1.14 SPOT REPAIR OF LINER**

**A. MEASUREMENT**

1. *The bid item for liner repairs includes all labor, equipment, and materials needed to provide the necessary repairs of spot locations identified by the lining manufacturer and Engineer during modifications to the wet well, inspection of receiving manhole, or installation of the new manhole cover as identified in the Drawings. Measurement for these repairs shall be based on the actual linear or square footage of spot repairs performed.*

**B. PAYMENT**

1. *Payment for spot repairs shall be made at the quantity authorized at the unit price indicated on the Bid Form.*

## **QUESTIONS/CLARIFICATIONS**

1. *Is the Contractor allowed to use the crane?*

Contractor shall assume the onsite crane can be used during construction but must have the crane inspected before and after use by a qualified third-party contractor. The Contractor shall be responsible for these costs.

2. *The manhole noted on Drawing C020 has a hatch. Does Charlotte Water want this replaced with the cone and cover?*

No, this note will be deleted. See Attachment Location of Discharge Manhole. This is the location where the Contractor shall install the Owner furnished fiberglass ring and cover.

3. *Northwest Pipe Company no longer offers T-Lock. How will repairs be completed.*

Contractors shall work with a lining manufacturer with experience with performing repairs on T-Lock installation, such as Armorlok. The Contractor shall submit the manufacturer's qualifications demonstrating the manufacturer and their proposed liner have experience with repairs of T-Lock lining systems for the Engineer's and Owner's approval.

4. *How will the liner repair be expensed.*

Contractor shall include costs in new Item 6 for the discharge manhole and Item 7 for the wet well and receiving manhole. Bid costs shall include having a manufacturer with demonstrated experience with T-Lock installations observe work associated with the fiberglass ring and cover for the discharge manhole, receiving manhole repair, and the wet well modifications. Any additional repairs beyond these would be covered by contingency. Work should be done concurrently to avoid additional costs associated with manufacturer's representative oversight.

5. *Can I get a list of planholders.*

The plan holders list is available to the public (<http://planroom.richa.com>).

6. *Is there any way to receive a copy of the plans electronically.*

No.

**ATTACHMENTS:**

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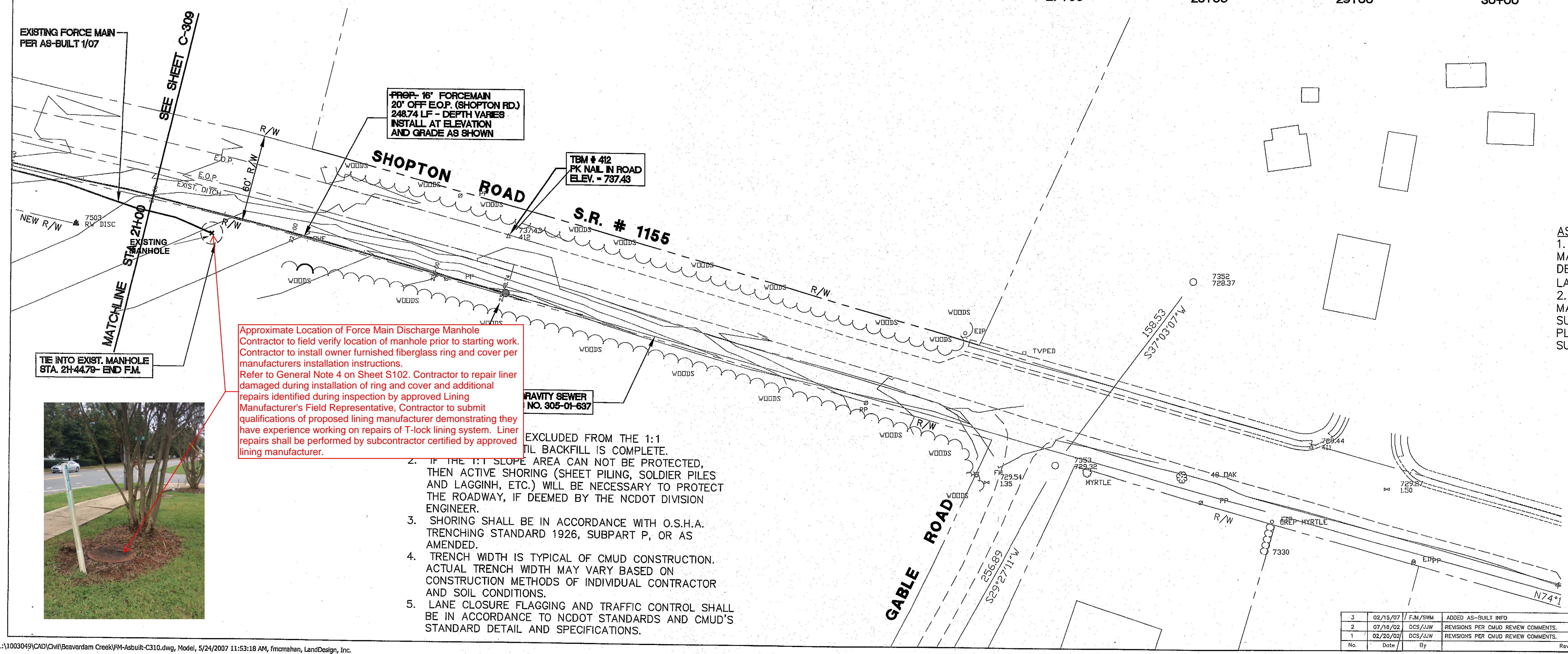
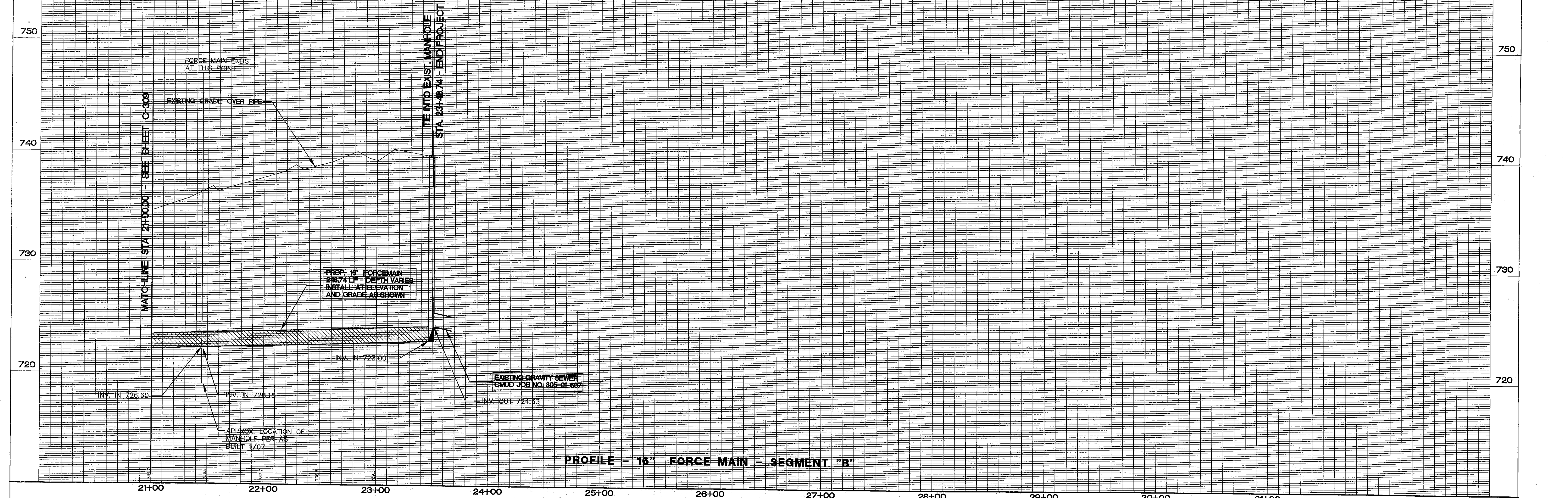
Location of Discharge Manhole  
C-410 Bid Form 5.24.19, Page 3



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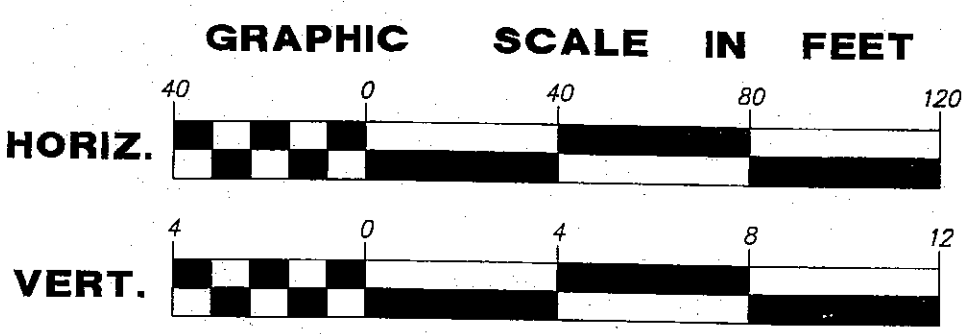
Laura Reid, PE  
Project Manager





Approximate Location of Force Main Discharge Manhole  
Contractor to field verify location of manhole prior to starting work.  
Contractor to install owner furnished fiberglass ring and cover per manufacturers installation instructions.  
Refer to General Note 4 on Sheet S102. Contractor to repair liner damaged during installation of ring and cover and additional repairs identified during inspection by approved Lining Manufacturer's Field Representative. Contractor to submit qualifications of proposed lining manufacturer demonstrating they have experience working on repairs of T-lock lining system. Liner repairs shall be performed by subcontractor certified by approved lining manufacturer.

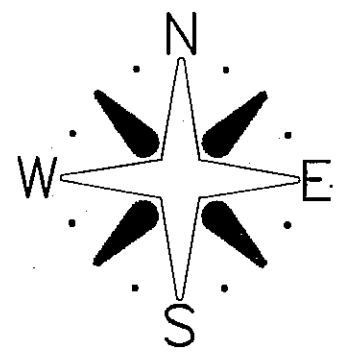
- IF THE 1:1 SLOPE AREA CAN NOT BE PROTECTED, THEN ACTIVE SHORING (SHEET PILING, SOLDIER PILES AND LAGGING, ETC.) WILL BE NECESSARY TO PROTECT THE ROADWAY, IF DEEMED BY THE NCDOT DIVISION ENGINEER.
- SHORING SHALL BE IN ACCORDANCE WITH O.S.H.A. TRENCHING STANDARD 1926, SUBPART P, OR AS AMENDED.
- TRENCH WIDTH IS TYPICAL OF CMUD CONSTRUCTION. ACTUAL TRENCH WIDTH MAY VARY BASED ON CONSTRUCTION METHODS OF INDIVIDUAL CONTRACTOR AND SOIL CONDITIONS.
- LANE CLOSURE FLAGGING AND TRAFFIC CONTROL SHALL BE IN ACCORDANCE TO NCDOT STANDARDS AND CMUD'S STANDARD DETAIL AND SPECIFICATIONS.



#### BENCH MARK

TBM #412 PK NAIL IN ROAD  
STA. 23+42.32 - 27.71' LEFT  
ELEV. = 737.43

AS-BUILT NOTE:  
1. AS-BUILT INFORMATION PER THE FORCE MAIN AS-BUILT DRAWING PRODUCED BY DEWBERRY AND DAVIS DATED MAY 30TH, 2006, LATEST REVISION DATED 1/07.  
2. THE BENDS LOCATED ALONG THE FORCE MAIN ON THIS PLAN ARE PER THE AS-BUILT SURVEY. DEGREE OF THE BEND SHOWN ON THE PLAN WAS NOT INDICATED ON THE AS-BUILT SURVEY.



LandDesign



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CHARLOTTE-MECKLENBURG  
UTILITY DEPARTMENT  
ENGINEERING DIVISION  
CHARLOTTE, NORTH CAROLINA

|            |              |
|------------|--------------|
| 153-01-630 | 245          |
| Job No.    | File No.     |
| PLAN       | Scale 1"=40' |
| PROFILE    | Hor. 1"=40'  |
|            | Vert. 1"=4'  |

PROPOSED 16" FORCEMAIN  
TO SERVE  
BEAVERDAM CREEK

BEAVERDAM CREEK  
SEGMENT "B"  
STA. 21+00 TO STA. 21+44.79

|     |          |               |                                     |
|-----|----------|---------------|-------------------------------------|
| 3   | 02/15/07 | J.F.M./S.W.M. | ADDED AS-BUILT INFO                 |
| 2   | 07/16/02 | DCS/J.W.W.    | REVISIONS PER CMUD REVIEW COMMENTS. |
| 1   | 02/20/02 | DCS/J.W.W.    | REVISIONS PER CMUD REVIEW COMMENTS. |
| No. | Date     | By            | Revision                            |

|             |             |          |             |             |      |      |       |    |
|-------------|-------------|----------|-------------|-------------|------|------|-------|----|
| As Built    | Date        | LDI      | J.W.W./R.M. | J.W.W.      | DCS  | 9/01 | Sheet | Of |
| Surveyed By | Designed By | Drawn By | Project-Enj | Approved By | Date | C310 |       |    |



## ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

### Bid Form Beaverdam Creek Pump Station Expansion

| Item | Description  | Quantity | Unit | Price | Total |
|------|--|----------|------|-------|-------|
| 1    | Mobilize to and Demobilize from Site   | 1        | LS   |       |       |
| 2    | Lump sum including, but not limited to demolition, furnish and installation of pumps, tanks, valves, piping, wet well modifications, electrical equipment and controls, and site improvements. | 1        | LS   |       |       |
| 3    | Temporary bypass system, including equipment, materials, labor and fuel costs  | 1        | LS   |       |       |
| 4    | Asphalt patching allowance   | 1        | CY   |       |       |
| 5    | Systems integration services and furnishing of instrumentation by CITI   | 1        | LS   |       |       |
| 6    | Liner removal and installation of new liner for discharge manhole  | 215      | SQFT |       |       |
| 7    | Spot repair of liner for manhole or wet well (no removal for existing liner required)  | 50       | SQFT |       |       |
| 68   | CONTRACT SUBTOTAL  |          |      |       |       |
| 79   | Contingency Allowance  | 15%      |      |       |       |
|      | Total Base Bid (Items 68 and 79)   |          |      |       |       |

*Contingency allowance shall be used only upon written approval of Owner for additional work not included in the Contract Documents. The amount paid will be negotiated as lump sum or unit price per each item of additional work. Any unused portion of the allowance remaining at the completion of the Contract shall revert to Owner as a credit. Owner reserves the right to delete the allowance from the Contract prior to award. Should an amount other than 15% of the total Bid price be entered in the space provided, Owner reserves the right to change this amount to the correct figure.*