

SECTION 00 41 13

BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

To: The City of Durham, North Carolina  
c/o The City Manager  
101 City Hall Plaza  
Durham, North Carolina 27701

Date: January 16, 2014

Project: North and South Durham WRF – Chemical Systems and Nutrient Related Improvements

The North Durham WRF – Chemical Systems and Nutrient Related Improvements portion of the project includes: modifications to existing Aeration Basins No. 1 – No. 6; construction of a new Alum and Carbon Storage and Feed Facility, a new Tablet Chlorination Facility, and a new Bulk Reuse Fill Station; demolition of six (6) existing structures/facilities; and, various other improvements shown on the drawings and specified herein.

The South Durham WRF – Chemical Systems and Nutrient Related Improvements portion of the project includes: modifications to existing Aeration Basins No. 1 – No. 8 and existing Alum Storage and Feed Facility; construction of a new Carbon Storage and Feed Facility, a new Causitic Storage and Feed Facility, new Tablet Chlorination Facility, a new Bulk Reuse Fill Station, and a new Sidestream Treatment Facility; and, various other improvements shown on the drawings and specified herein.

Sites: North Durham Water Reclamation Facility, 1900 East Club Boulevard, Durham, NC.  
South Durham Water Reclamation Facility, 6605 Farrington Road, Durham, NC.

Name of Bidder: Crowder Construction Company

Address of Bidder: 1111 Burma Drive, Apex, North Carolina 27539

Phone Number of Bidder: 919-367-2000

Contact Person for Bidder: Carlos W. Norris/President

Phone Number of Contact: 919-367-2000

Bidder's North Carolina General Contractor's License Number:

2104

**BID SUMMARY**

<b>LUMP SUM BID ITEMS</b>	
1. All work for the <b>North</b> Durham Water Reclamation Facility – Chemical Systems and Nutrient Related Improvements Project except items 3-5 below.	\$ <u>4,353,200</u>
2. All work for the <b>South</b> Durham Water Reclamation Facility – Chemical Systems and Nutrient Related Improvements Project except items 3-5 below.	\$ <u>6,445,300</u>
3. All work associated with removal of solids from basins and concrete demolition of Waste Gas Holding Tank foundation as provided in Total Unit Price Bid Item Amount.	\$ <u>383,975</u>
4. Contingency Allowance (In accordance with Section 11.02.C of General Conditions)	\$ <u>280,000.00</u>
5. Systems Integrator Price Quotation	\$ <u>2,105,983.96</u>
<b>TOTAL BASE BID AMOUNT FOR ALL WORK IN CONTRACT DOCUMENTS</b>	
<b>TOTAL BASE BID AMOUNT</b>	\$ <u>13,568,459</u>
<b>TOTAL BASE BID AMOUNT (in words):</b> <u>Thirteen million five hundred <del>thousand</del> sixty eight thousand four hundred fifty nine dollars</u>	

The Total Base Bid Amount of the Bid Summary above shall be shown in both words and numbers. In case of discrepancy, the amount shown in words will govern. In the event of a discrepancy between the sum of the extended amounts and the bid total, the sum of the extended amounts shall govern.

Basis of award shall be the TOTAL BASE BID AMOUNT or the combination of the TOTAL BASE BID AMOUNT and any combination of ALTERNATE BID ITEM AMOUNTS, at the sole discretion of the Owner.

**Form E-101 SDBE PARTICIPATION ON BASE BID**

Name of Bidder: Crowder Construction Company

Prequalification number: 1232 Prequalification expiration date: August 29, 2014

Total dollar amount of SDBE participation in base bid work: 144,700

*For each row, check one column: E, F, or G.*

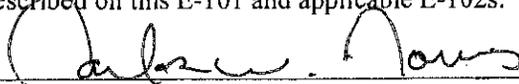
Column A	Column B	Column C	Column D	Column E	Column F	Column G
Name of proposed subcontractor for base bid work	Goods and services to be provided for base bid work	Subcontract amount, in dollars, for base bid work	Percentage of total base bid (Column C divided by total base bid)	Black-owned SDBE	Women-owned SDBE	Non-SDBE
Campbell's Power Washing & Cleaning	Pressure washing	\$ 18,000	0.13 %	✓		
Anderson Industrial Coatings	Painting	\$ 103,700	0.77 %		✓	
Covenant Trucking	Hauling	\$ 23,000	0.17 %	✓		
		\$	%			

Attach extra sheets as needed. See question 14 under **QUESTIONS AND ANSWERS ON SDBE REQUIREMENTS**, which states that the bidder may check column E or column F for an SDBE that is neither Black-owned nor women-owned.

Do the above participation amounts meet the goals on this contract, assuming only the base bid is counted?

Yes  No. If the answer is No: (1) the bidder must have made good-faith efforts; (2) the bidder must provide, within 2 business days after bid opening, documentation of good-faith efforts; and (3) the bidder must sign below.

As an authorized representative of the Bidder, I swear or affirm under penalty of fraud that the good-faith efforts documentation submitted with this bid, pertaining to the base bid and all alternates, if any, is correct and not intended to defraud or mislead. After the contract between the City and the Bidder is signed, except to the extent that the City gives prior written approval for changes, the Contractor agrees that it shall engage the subcontractors listed on this E-101 and on all applicable E-102 forms, to perform the work for the dollar amounts or percentages described on this E-101 and applicable E-102s.



**Signature of individual authorized to sign for Bidder**

Carlos W. Norris/President

Form E-105 STATEMENT OF INTENT TO PERFORM AS SUBCONTRACTOR

Name of Bidder: Crowder Construction Company  
Name of Project: North and South Durham Water Reclamation Facilities Chemical Feed Systems and Nutrient Related Improvements

The undersigned firm is certified by the City of Durham as an SDBE.

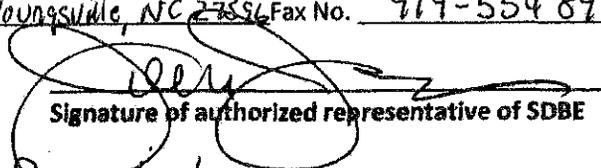
The undersigned SDBE represents that it will enter into a formal contract with the Bidder to perform the following work in connection with the Project, in the dollar amount or percentage listed below, if the Bidder signs a contract with the City of Durham for the Project.

Describe the work in sufficient detail so that it can be determined whether the SDBE's work is a substantial and necessary part of the Project.

Column 1 - description of work to be done by undersigned SDBE	Column 2 - dollar amount of the proposed subcontract between the bidder and the undersigned SDBE	Column 3 - percentage of Bidder's base bid represented by the proposed subcontract between the Bidder and the undersigned SDBE
Hauling	\$23,000	0.17%

The undersigned SDBE will be ready to begin work on the subcontract on the following date:

Name of SDBE: Covenant Trucking Telephone No. 919-562-0124  
Address, including Zip Code, of SDBE: Po Box 1000 Youngsville, NC 27556 Fax No. 919-554-8978

  
Signature of authorized representative of SDBE

Title of the person who signed above: President

What person with the SDBE should the City contact with questions about this form or the proposed subcontract? Joe Jones

Name of individual: Joe Jones Telephone No. 919-562-0124  
Title of individual: President  
Email address: JJones@Covenant-Trucking.com

By submitting this form to the City of Durham, the Bidder represents that if the Bidder signs the contract with the City of Durham for the Project, the Bidder will enter into the subcontract described above with this SDBE.

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Describe the work in sufficient detail so that it can be determined whether the SDBE's work is a substantial and necessary part of the Project.

Column 1 - description of work to be done by undersigned SDBE	Column 2 -dollar amount of the proposed subcontract between the bidder and the undersigned SDBE	Column 3 - percentage of Bidder's base bid represented by the proposed subcontract between the Bidder and the undersigned SDBE
Pressure washing	\$16,000	0.13%

The undersigned SDBE will be ready to begin work on the subcontract on the following date:

Name of SDBE: Campbell's Power Washing and cleaning. Telephone No. 919-586-7026/cell-919-710-01

Address, including Zip Code, of SDBE: 802 Natural Springs Ct. Fuquay Varina, N.C. 27526 Fax No. \_\_\_\_\_

Roy A. Campbell  
 Signature of authorized representative of SDBE

Title of the person who signed above: \_\_\_\_\_

What person with the SDBE should the City contact with questions about this form or the proposed subcontract? Roy A. Campbell

Name of individual: Roy A. Campbell Telephone No. 919-586-7026 Home 919-710-0695 Cell

Title of individual: Campbell's Power Washing and cleaning

Email address: RCA@MPBELL88@NC.BR.COM

By submitting this form to the City of Durham, the Bidder represents that if the Bidder signs the contract with the City of Durham for the Project, the Bidder will enter into the subcontract described above with this SDBE.

**Form E-105 STATEMENT OF INTENT TO PERFORM AS SUBCONTRACTOR**

Name of Bidder: Crowder Construction Company  
 Name of Project: North and South Durham Water Reclamation Facilities Chemical Feed Systems and Nutrient Related Improvements

The undersigned firm is certified by the City of Durham as an SDBE.

The undersigned SDBE represents that it will enter into a formal contract with the Bidder to perform the following work in connection with the Project, in the dollar amount or percentage listed below, if the Bidder signs a contract with the City of Durham for the Project.

Describe the work in sufficient detail so that it can be determined whether the SDBE's work is a substantial and necessary part of the Project.

Column 1 - description of work to be done by undersigned SDBE	Column 2 -dollar amount of the proposed subcontract between the bidder and the undersigned SDBE	Column 3 - percentage of Bidder's base bid represented by the proposed subcontract between the Bidder and the undersigned SDBE
Painting	\$103,700	0.77%

The undersigned SDBE will be ready to begin work on the subcontract on the following date:

Name of SDBE: Anderson Industrial Coatings Telephone No. 803 804 8014

Address, including Zip Code, of SDBE: 960 Alma Blount Blvd Fax No. 816 728 8619  
Charlotte, NC 28277

Diana Anderson  
 Signature of authorized representative of SDBE

Title of the person who signed above: President

What person with the SDBE should the City contact with questions about this form or the proposed subcontract? Senior Vice President

Name of individual: Edward Anderson Telephone No. 803 804 4058

Title of individual: Senior Vice President

Email address: aicinc@hotmail.com

By submitting this form to the City of Durham, the Bidder represents that if the Bidder signs the contract with the City of Durham for the Project, the Bidder will enter into the subcontract described above with this SDBE.

## INSTRUCTIONS ON SDBE REQUIREMENTS

### FOR USE IN BIDDING ON CONSTRUCTION PROJECTS WITH THE CITY OF DURHAM

These instructions summarize the provisions of the City of Durham's Equal Business Opportunity Ordinance as it applies to the bid process. Of course, as with any summary, it cannot reflect all of the ordinance.

### QUESTIONS AND ANSWERS ON SDBE REQUIREMENTS

**1. What is the purpose of the City's Equal Business Opportunity (EBO) program?** The Director of the City's EO/EA Department has set SDBE goals for this contract. There will be a goal for SDBEs owned by Blacks and a goal for SDBEs owned by women. For the bid to be fully considered by the City, the bid needs to meet those goals or the bidder needs to have made good-faith efforts to subcontract with SDBEs in order to meet the goals. In order to be given credit for making those good-faith efforts, however, the bidder must provide written documentation of those good-faith efforts. That written documentation must be submitted to the City within 2 days after the bid opening unless a different time is stated by the City. See the instructions below regarding Form E-107.

**2. What is an "SDBE"?** It means a Small Disadvantaged Business Enterprise. An SDBE is a business, certified by the City of Durham as an SDBE, whose management, policies, major decisions, and daily business operations are independently managed and controlled by one or more socially and economically disadvantaged individuals. Among those considered to be "socially and economically disadvantaged" are individuals found by the City on a case-by-case basis to have been subjected to racial or ethnic prejudice or cultural bias within American society because of his or her identity as a member of a group. The business must not exceed size and gross revenue limits, and it must be majority-owned by one or more socially and economically disadvantaged individuals.

The firm needs to have its certification from the City before the bid opening if it is to count toward meeting the goals. See the next answer on how certification is needed in the good-faith efforts context. Many other units of government, such as counties, departments of transportation, and states, also certify firms and maintain lists of certified firms, but for purposes of complying with the City of Durham's SDBE requirements, the SDBE must be certified by the City of Durham. Certification does not mean that the City has found the firm to be competent.

**3. Can other women or minority owned firms that have been certified by other entities be qualified as an SDBE pursuant to City's EBO Program?** In accordance with Section 26-6(h) of the Ordinance to Promote Equal Opportunities in City Contracting, the City of Durham may consider a formal certification of another entity to determine whether an applicant meets requirements of the Equal Business Opportunity Program, provided that the City Manager or designee determines that the certification standards of such entity are comparable to those of the City. The City of Durham has determined that the following certifications are comparable to its own and may be used by bidders/proposers: North Carolina Department of Transportation (N.C. DOT), United States Small Business Administration (U.S. SBA) and Raleigh-Durham Airport Authority (RDU).

In lieu of SDBE's listed in its SDBE System, the City of Durham will accept women and minority firms certified by N.C. DOT ([www.ncdot.org](http://www.ncdot.org)), U.S. SBA and RDU as meeting its SDBE goal requirements provided the bidder/proposer submits evidence that the firm is currently certified by one of the stated entities



## North Carolina Department of Administration

Beverly Eaves Perdue, Governor  
Moses Carey, Jr., Secretary

Office for Historically Underutilized Businesses  
Bridget L. Wall-Lennon, Asst. to the Secretary for  
HUB Outreach

November 30, 2010

Dianna Anderson  
Anderson Industrial Coatings Inc. (Woman Owned)  
9640 Alma Blount Blvd  
Charlotte, NC 28277

### Re: Approval of HUB Certification

Dear Dianna Anderson:

The Office for Historically Underutilized Businesses (HUB Office) is pleased to inform you that your company is now certified as a HUB firm with the Statewide Uniform Certification (SWUC) Program. This certification will remain in effect for four (4) years from the date of this letter at which time you must apply for recertification. Until that time, you must keep your information current and submit the attached "Annual Status Update Affidavit" every year prior to your certification expiration date. You will receive a 60-day and 30-day email reminder notice, however, it is your responsibility to submit the Annual Status Affidavits and apply for recertification every four years. As a courtesy, the email reminder notice will be sent to the email address that you have provided in Vendor Link.

As you are likely aware, the HUB Office was given the authority and responsibility for developing a Statewide Uniform Certification Program. This program was developed for the purposes of streamlining the certification of minority and women-owned businesses and creating a centralized HUB and minority/women business database. Starting July 1, 2009, minority and women business firms must be certified through the HUB Office to be listed in the database, which will be used by local and state entities for HUB participation and reporting purposes. Maintaining your status as a certified HUB firm will ensure that you are included in the Statewide Uniform Certification database.

You must notify the HUB Office in writing within 30 days of any changes affecting your compliance with the SWUC Program eligibility requirements, including changes in ownership, day-to-day management and/or control. Any changes made to your company's business ownership or structure may require the HUB Office to re-evaluate your company's eligibility. Failure to notify the HUB Office of any changes, submission of the Annual Status Update Affidavits and/or applying for recertification in a timely manner, may cause your company to lose its HUB Certification for failure to comply.

#### Mailing Address:

Office for Historically Underutilized Businesses  
Department of Administration  
1336 Mail Service Center  
Raleigh, NC 27699-1336

Telephone (919) 807-2330  
Fax (919) 807-2335  
State Courier ##51-01-00

#### Location:

116 West Jones Street  
Administration Building  
Suite 4109  
Raleigh, NC 27603

*An Equal Opportunity/Affirmative Action Employer*



North Carolina  
Department of Administration

Michael F. Easley, Governor  
Britt Cobb, Secretary

Office for Historically Underutilized Businesses  
Bridget L. Wall, Asst. to the Secretary  
for HUB Outreach

October 3, 2008

**Dianna Anderson**  
**Anderson Industrial Coatings, Inc. (Woman Owned)**  
700 Revere Crossing Lane #116  
Cary, NC 27519

Dear Dianna Anderson:

We are pleased to announce your firm's approval for verification through our Historically Underutilized Business Program. Your business successfully completed the registration and meets the criteria in accordance with the procedures established by the Department of Administration.

This verification will be effective for two (2) years from the date of this letter. If for any reason there are changes in ownership/control, address or telephone number or to update your good or service, please update your vendor information online by selecting the "Change Vendor Information" menu online at:

<http://www.ips.state.nc.us/ips/vendor/vndrlogon.asp> located in **Vendor Link**. You will also need to access the **E-Procurement** system to update your information there also at [www.ncgov.com](http://www.ncgov.com). To access either system, you must have your User IDs and Passwords available.

It is important to note that this verification does not guarantee that your company will automatically receive business from the State. You will still need to aggressively market your business. However, should you need any assistance in your efforts to conduct business with the State of North Carolina, please contact our office at (919) 807-2330.

Again, we appreciate your cooperation in submitting the necessary information for verification.

Sincerely,

Sheryl Cromedy

HUB Outreach Specialist

Mailing Address:

Office for Historically Underutilized Businesses  
Department of Administration  
1336 Mail Service Center  
Raleigh, N.C. 27699-1336

Telephone (919) 807-2330  
Fax (919) 807-2335  
State Courier #51-01-00

Location:

116 West Jones Street  
Administration Building  
Suite 2109  
Raleigh, North Carolina 27603

*An Equal Opportunity/Affirmative Action Employer*

*None of these firms are SDBE's*

Paving Company	North Durham Plant Cost	South Durham Plant Cost	Total Price
Sunrock Contracting (Asphalt Pavement Only)	\$ 46,087.08	\$ 7,648.29	\$ 53,735.37
RDU Paving (Asphalt Pavement Only)	\$ 47,540.52	\$ 9,589.08	\$ 57,129.60
Asphalt Experts (Asphalt Pavement Only)			\$ 59,742.50
A&B Paving (Asphalt Pavement Only)			\$ 66,903.20
Sunrock Contracting (Stone Under Concrete Only)	\$ 45,203.94	\$ 23,071.16	\$ 68,275.10
RDU Paving (Stone Under Concrete Only)	\$ 59,079.16	\$ 21,952.35	\$ 81,031.51
Asphalt Experts (Stone Under Concrete Only)			N/A
A&B Paving (Stone Under Concrete Only)			N/A



Carolina Sunrock (Contracting Division)  
 P.O. Box 71279  
 Durham, NC 27722  
 Phone: (919) 956-9900  
 Fax: (919) 956-9903

<b>To:</b> Crowder Construction Company	<b>Contact:</b> Clay Phillips
<b>Address:</b> 1111 Burma Drive Apex, NC 27539	<b>Phone:</b> 919-367-2000 <b>Fax:</b> 919-367-2097
<b>Project Name:</b> North/South Durham Reclamation Facility	<b>Bid Number:</b>
<b>Project Location:</b> Club Boulevard And Farrington Road, Durham, NC	<b>Bid Date:</b> 1/16/2014
<b>Item Description</b>	<b>Estimated Quantity Unit Unit Price Total Price</b>

**North Durham**

Asphalt Pavement Removal - NO CHARGE FOR DEMO DISPOSAL	5,082.00 SY	\$5.82	\$29,577.24
Curb Removal	556.00 LF	\$8.30	\$4,614.80
Asphalt Pavement ( 8" ABC/3.5" B25.0B/2" SF9.5A)	1,209.00 SY	\$38.12	\$46,087.08
Stone Base Course Under Concrete Pavement ( 8" CABC)	5,178.00 SY	\$8.73	\$45,203.94
Concrete Curb And Gutter	943.00 LF	\$24.87	\$23,452.41
<b>Total Price for above North Durham Items:</b>			<b>\$148,935.47</b>

WILL BREAK OUT PER RANDY @921

**South Durham**

Asphalt Pavement Removal	1,555.00 SY	\$7.86	\$12,222.30
Asphalt Driveway (8"CABC/3.5" B25.0B/2" SF9.5A)	117.00 SY	\$65.37	\$7,648.29
Concrete Curb And Gutter	90.00 LF	\$40.07	\$3,606.30
Stone Base Under Concrete Pavement (8" CABC)	2,212.00 SY	\$10.43	\$23,071.16
<b>Total Price for above South Durham Items:</b>			<b>\$46,548.05</b>

**Total Bid Price: \$195,483.52**

**Notes:**

- The Above Prices Assume that all Onsite Material is Suitable Structural Fill. Undercutting, Removing, and Replacing Unsuitable Soils and Rock will be an Additional Cost.
- Asphalt Prices are Based on the NCDOT FOB Index for the Date Listed Above. Final Asphalt Price will be Adjusted per the Index Value at the Time of Paving
- 18" Stone Border is Excluded from Proposal.
- Preparation of Subgrade for Paved Surfaces by Others.
- The Above Prices are Based on 1 Mobilization for Placing Stone. All Additional Mobilizations will be \$650.00/ea
- The Above Prices are Based on 1 Mobilization for Asphalt Paving. All Additional Mobilizations will be \$650.00/ea
- Utility Adjustments are Excluded from this Proposal
- Demolition of Existing Utilities are Excluded from this Proposal
- Asphalt Patching is Excluded from this Proposal
- Asphalt Wedging is Excluded from this Proposal
- Surveying is Excluded from this Proposal
- Permits and Fees are Excluded from this Proposal
- Work Damaged by Other Trades is Excluded from this Proposal
- Carolina Sunrock will accept the subgrades in the areas to be paved and under the curb & gutter after the areas have been proof rolled and the subgrades are within +/- 0.04' of the proposed grades on the plans.
- Field Density Testing by Others.
- Herbicide Treatment to Stone Base Excluded from Proposal.
- Prime Coat of Stone Base Excluded from Proposal.
- Field Quality Control Test Performed by Others
- Concrete Pavement Removal Shown on Plan Sheet C13 by Others
- Concrete Pavement by Others.

<b>ACCEPTED:</b> The above prices, specifications and conditions are satisfactory and hereby accepted. <b>Buyer:</b> _____ <b>Signature:</b> _____ <b>Date of Acceptance:</b> _____	<b>CONFIRMED:</b> <b>Carolina Sunrock</b>  <b>Authorized Signature:</b> _____ <b>Estimator:</b> Randy Talley (919) 441-6198 rtalley@thesunrockgroup.com
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# Asphalt Experts, Inc.

5112 Neal Rd. Suite 100  
Durham, NC 27705

Phone: (919) 384-9889  
Fax: (919) 384-1340

## Commercial Grading & Paving Contractors

<b>To:</b> Crowder Construction Company	<b>Contact:</b> Clay Phillips
<b>Address:</b> 1111 Burma Dr. Apex, NC 27539	<b>Phone:</b> 367-2000 <b>Fax:</b> 367-2097
<b>Project Name:</b> Durham Water Treatment Plant	<b>Bid Number:</b> 1
<b>Project Location:</b> North Durham, Durham, NC	<b>Bid Date:</b> 1/16/2014

Asphalt Experts is pleased to quote the following price on the referenced job. Please feel free to call with any questions that you may have.

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
01.	Mobilization	1.00	LS	\$850.00	\$850.00
02.	Geotextile Fabric	1,395.00	SY	\$2.50	\$3,487.50
03.	8" ABC	1,395.00	SY	\$9.50	\$13,252.50
04.	Asphalt Binder 3.5" I19.0B	1,270.00	SY	\$18.00	\$22,860.00
05.	Asphalt Surface 3.5" I19.0B	125.00	SY	\$26.00	\$3,250.00
06.	Asphalt Surface 2" S9.5B	1,395.00	SY	\$11.50	\$16,042.50

**Total Bid Price: \$59,742.50**

### Notes:

- This proposal is based on the civil drawings by Hazen Sawyer. Prices good for 15 days. Due to recent changes in petroleum products, asphalt prices may change at time of laydown. Asphalt prices are based on the January, 2014 NCDOT terminal asphalt binder price of \$561.07 per ton.

### Notes:

- Our pricing includes fine grade of the sub grade however it is to be provided within +/-0.1 Ft. and to required compaction by others.

### Exclusions:

- Bonds, permits, special insurance, or fees of any kind
- Engineering or layout
- Testing of any kind
- Undercut excavation, disposal, or replacement
- Curb & gutter, backfill or Stone under curb
- Utility Adjustments including (manholes/valve boxes/storm structures)
- Retainage after first lift of asphalt is completed
- Night work
- Any item not specifically itemized in this proposal

### Payment Terms:

Payment Due 30 Days From Date of Invoice

<p><b>ACCEPTED:</b> The above prices, specifications and conditions are satisfactory and are hereby accepted.</p> <p><b>Buyer:</b> _____</p> <p><b>Signature:</b> _____</p> <p><b>Date of Acceptance:</b> _____</p>	<p><b>CONFIRMED:</b> <b>Asphalt Experts, Inc.</b></p> <p><b>Authorized Signature:</b> _____</p> <p><b>Estimator:</b> Brian O'Connell 919-384-9889 boconnell@asphaltexperts.com</p>
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**A & B PAVING CORPORATION**  
**5508 U S 70 WEST**  
**DURHAM, NC 27705**

phone # 919-383-1156  
 fax # 919-382-2545

# PROPOSAL

DATE
1/15/2014

NAME / ADDRESS
CROWDER CONSTRUCTION CO. CLAY PHILLIPS

PAYMENT TERMS
DUE 15 DAYS
PROPOSAL DUE DATE
2/14/2014

DESCRIPTION	TOTAL
JOB: NORTH AND SOUTH DURHAM WRF  NORTH DURHAM - APPROX. 1,336 SQ YDS. SOUTH DURHAM - APPROX. 120 SQ YDS TOTAL SQ YDS - 1,456  FINE GRADE. PLACE AND COMPACT 8" ABC STONE, PAVE WITH 3 1/2" B-25 AND 2" 9.5B ASPHALT @ \$45.00 PER SQ YDS.  GEOTEXTILE FABRIC - \$.95 PER SQ YD.  *** THIS PRICE IS BASED ON THE JANUARY 2014 NCDOT INDEX OF ASPHALT BINDER PRICE. ***	65,520.00

NOTE: WE RESERVE THE RIGHT TO PASS ALONG TO OUR CUSTOMERS ANY INCREASES IN THE TOTAL AMOUNT OF THIS PROPOSAL BASED ON THE COMPANY'S ACTUAL PRODUCT COSTS WITHOUT FURTHER NOTICE AS PER THE TERMS AND CONDITIONS ATTACHED HERETO. THE TOTAL PRICE AS STATED HEREIN WILL BE ADJUSTED AT THE TIME OF CONSTRUCTION TO REFLECT THE THEN CURRENT PRICE FOR ASPHALT ACCORDING TO THE INDEX OF NCDOT ASPHALT.

<b>TOTAL</b>	<b>\$65,520.00</b>
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**ABTAK OF DURHAM, INC.**

11 Logging Trail, Durham, NC, 27707

1/15/2014

919-259-0091 FAX 866-577-5286

License # 71930

JOB QUOTE-NORTH DURHAM WRF AND NUTRIENT IMPROVEMENTS

CONCRETE PAVING-H&S JOB #30751-007

1. Pour and finish 6" concrete drives per plan DRAWING C17 dated Nov 2013.
2. Concrete type is CL-45
3. Concrete will be pumped where necessary
4. Plan shows that Drives are on both sides of Club Boulevard
5. Bid assumes that Contractor will have site ready for concrete and Abtak is not responsible for prep
6. If there are areas that there is no curb and gutter Abtak will form those areas.
7. Concrete will be machine trowel and broom finished per spec.
8. Abtak will saw cut control joints at direction of contractor.
9. Contractor will provide at least one week notice to start job.

PRICE: \$255,620.00

\*TERMS AND CONDITIONS WILL BE NEGOTIATED

\*\*We acknowledge addendums 1, 2 and 3

\* SENT 1/21/2014  
8:58



**\*Busy Black Trucking owns 7 Quad Axle Dump Trucks and one Centipede Axle \***

**Asphalt / Topsoil / Compaction/Stone**

Truck Size	Yardage	Hourly Rate.	
Tandem	10 yds	65	
Tri-axle	12 yds.	70	
Quad-axle	14 yds.	75	Primary Truck
Quint-axle	16 yds.	80	
Centipede - axle	18 yds.	85	

**Rough Materials**

Truck Size	Yardage	Hourly Rate.	
Tandem	10 yds	70	
Tri-axle	12 yds.	75	
Quad-axle	14 yds.	80	Primary Truck
Quint-axle	16 yds.	85	
Centipede - axle	18 yds.	90	

- \*2 hour show up time for cancellations
- \*\$3.00 additional per hour for nights and weekends
- \*6 hour minimum for night work
- \*Contractor responsible for overweight tickets as a result of non-scaled loads

Pay Terms (15) days

Busy Black Trucking LLC  
 Anthony Black  
 1111 Snow Hill Rd  
 Durham NC 27712  
 City of Durham SDBE  
 NC SWUC HUB  
 NCMBE / SBE  
 (p) 919-442-7079  
 (f) 919-471-6232  
[busyblacktrucking@nc.rr.com](mailto:busyblacktrucking@nc.rr.com)  
[busyblacktrucking.com](http://busyblacktrucking.com)

Company \_\_\_\_\_

Signed \_\_\_\_\_

Date \_\_\_\_\_

**RDU PAVING INC**

5415 Fayetteville Road Suite B  
 Raleigh, NC 27603  
 Phone 919-329-7300  
 Fax 919-329-7301

email:kevin@rdupaving.com  
 www.rdupaving.com  
**NCDOT Certified Subcontractor & WBE**  
**NC License #: 62537**

Date: January 15, 2014  
 Project Name: North South Durham WRF - Chemical Systems & Nutrient Related Improvements  
 Project Location: Durham, NC

**PROPOSAL**

Company:  
 Attention: Estimating  
 St. Address  
 City, St., Zip  
 Phone  
 Fax  
 From: Kevin Flynn

The following proposal is in reference to the job name listed above:

**North Durham Facility**

<u>Paving</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Aggregate Base Course - Concrete Pavement	5,747	sy	\$10.28	\$59,079.16
* Install Geotextile Fabric				
* Install 8" Aggregate Base Course, fine grade and compact with vibratory roller				
** Excludes ABC stone under 30" curb and gutter				
New Heavy Duty Asphalt Pavement	1,206	sy	\$39.42	\$47,540.52
* Install 8" Aggregate Base Course, fine grade and compact with vibratory roller				
* Install 3.5" NCDOT B25.0B Base Asphalt Material				
* Install 2" NCDOT \$9.5B Surface Asphalt Material, placed in two lifts				
* Apply NCDOT Tack Coat between lifts				
* Includes joint sealing only where new asphalt pavement meets new concrete pavement				

Total if North Facility accepted: **\$106,619.68**

**South Durham Facility**

<u>Paving</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
Aggregate Base Course - Concrete Pavement	2,121	sy	\$10.35	\$21,952.35
* Install Geotextile Fabric				
* Install 8" Aggregate Base Course, fine grade and compact with vibratory roller				
** Excludes ABC stone under 30" curb and gutter				
New Heavy Duty Asphalt Pavement	123	sy	\$77.96	\$9,589.08
* Install 8" Aggregate Base Course, fine grade and compact with vibratory roller				
* Install 3.5" NCDOT B25.0B Base Asphalt Material				
* Install 2" NCDOT \$9.5B Surface Asphalt Material, placed in two lifts				
* Apply NCDOT Tack Coat between lifts				
* Includes joint sealing only where new asphalt pavement meets new concrete pavement				

Total if South Facility accepted: **\$31,541.43**

Total if all above accepted: **\$138,161.11**

See page 2 for terms and exclusions

# ***RDU PAVING INC***

5415 Fayetteville Road Suite B  
Raleigh, NC 27603  
Phone 919-329-7300  
Fax 919-329-7301

email:kevin@rdupaving.com  
www.rdupaving.com  
NCDOT Certified Subcontractor & WBE  
NC License #: 62537

## **PROPOSAL**

Company:  
Attention: Estimating  
St. Address  
City, St., Zip  
Phone  
Fax  
From : Kevin Flynn

Date: January 15, 2014

Project Name: North South Durham WRF - Chemical Systems & Nutrient Related Improvements

Project Location: Durham, NC

The following proposal is in reference to the job name listed above:

### **Terms & Exclusions**

stone under asphalt, and one (1) for paving; each additional \$1,250.00. SOUTH FACILITY - one (1) mobilizations for stone under concrete pavement, one (1) for stone under asphalt, and one (1) for paving; each additional \$1,250.00.

2) All grading performed by others, for RDU Paving to accept subgrade for stone, must be on grade.

3) ***Paving price excludes: vertical and horizontal layout, staking, testing, inspections, permits, fees, bonds, as-built drawings, proof rolling of subgrade, undercutting, maintenance of traffic, saw cutting of any materials, heavy pavement cleaning, prime coat, herbicide, dewatering, final utility adjustments of any kind, repairs of damages caused by others and any work not listed above.***

4) Prices are based on a normal 8 hour work day (Monday - Friday). No overtime has been included. If overtime is required by Owner / General Contractor, RDU Paving, Inc shall be reimbursed for overtime costs plus 10%.

5) Quantities above are deemed to be correct, should any corrections be necessary actual field measurements will provide cost. Materials used for the project above are all guaranteed to the product specifications.

6) Work will be performed and completed in a workmanlike manner.

7) RDU Paving, Inc employees are all fully insured under workman's compensation and general liability.

8) If the final lift of asphalt will not be placed for a period of 60 days or longer after the first lift has been placed, then retainage will not be held on completed work to that point or RDU Paving, Inc. will be paid immediately at the 61st day after placing first lift of asphalt.

9) This proposal expires within 30 days of this proposal date, but may be accepted at a later date at our option.

***10) Payment due 30 days net from invoice date.***

11) Asphalt and concrete prices are very volatile at this time. Increases in material prices can result in additional cost. Price quoted above is based on January 2014 N.C. D.O.T Asphalt index of \$561.07 and will be adjusted accordingly (either increase or decrease) with the index price at the time of paving. For each \$1.00 change in the index price, the price of asphalt material will be adjusted \$0.06 per ton of material placed. The NCDOT Index pricing can be viewed at: [www.ncdot.org/doh/Operations/dp\\_chief\\_eng/constructionunit/paveconst/Asphalt\\_Mgmt/acprices/](http://www.ncdot.org/doh/Operations/dp_chief_eng/constructionunit/paveconst/Asphalt_Mgmt/acprices/)

***12) Should legal action become necessary for the collection of an account, customer shall, in addition to service charges, bear all collection costs, including attorney's fees.***

***13) RDU Paving must be present during subgrade proof roll operation, or be handed a copy of the Geotechnical report for the passing subgrade.***

14) RDU Paving must be given 2 working days notice for site inspection and acceptance. No work will be scheduled until a RDU Paving representative accepts the conditions.

***15) No Cold weather paving is included for price***

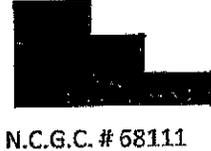
***16) Water for rollers to be provided by General Contractor***

***17) This proposal excludes anything not specifically listed above.***

\_\_\_\_\_  
Signature of Acceptance of Proposal

\_\_\_\_\_  
Date

# Skyrock Construction, LLC



1000 Melbarie Rd. Suite A Raleigh, NC 27604  
 Office: (919) 266-2446 Fax: (919) 266-9096  
 Certification: DBE, HUB, POC, SBE, NCDOT  
[www.skyrockconstructionllc.com](http://www.skyrockconstructionllc.com)

Est:	James Cordell
Phone :	919-266-2446
Cell:	919-888-5886
Email:	jdcordell08@gmail
Date:	1/15/2014

N.C.G.C. # 68111

**Project:**

**SOUTH CIVIL**

	DIV	description	quantity	unit	total
AREA-#1	CIVIL	SIDEWALK: 4" THICK 4500 PSI	880	SQFT	\$3,363.98
AREA-#3	CIVIL	SIDEWALK: 4" THICK 4500 PSI FORM & POUR	250	SQFT	\$954.72
	CIVIL	HEAVYDUTY: 6" 4500 PSI. W/ 4X4 -2.9 WF 8 " ABC and Geo-fab installed by others. Contractor will cut work area to sub-grade place stone. Where construction joints #4 reinforcing will be placed 18" OC. Ref. Detail 3/C-61 Skyrock will form, pour & finish.	135	SQFT	\$838.08
AREA-#4	CIVIL	HEAVYDUTY: 6" 4500 PSI. W/ 4X4 -2.9 WF 8 " ABC and Geo-fab installed by others. Contractor will cut work area to sub-grade place stone. Where construction joints#4 reinforcing will be placed 18" OC. Ref. Detail 3/C-61 Skyrock will form, pour & finish.	6200	SQFT	\$35,958.78
AREA-#5	CIVIL	SIDEWALK: 4" THICK 4500 PSI FORM & POUR	1126	SQFT	\$4,297.36
	CIVIL	HEAVYDUTY: 6" 4500 PSI. W/ 4X4 -2.9 WF 8 " ABC and Geo-fab installed by others. Contractor will cut work area to sub-grade place stone. Where construction joints#4 reinforcing will be placed 18" OC. Ref. Detail 3/C-61 Skyrock will form, pour & finish.	14158	SQFT	\$82,013.57
	CIVIL	Install 2'-6" Curb & Gutter:	300	LFT	\$4,183.92
			<b>TOTAL</b>		<b>\$131,610.41</b>

# Skyrock Construction, LLC

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Certification: DBE, HUB, POC, SBE, NCDOT

[www.skyrockconstructionllc.com](http://www.skyrockconstructionllc.com)

Est:	James Cordell
Phone :	919-266-2446
Cell:	919-888-5886
Email:	<a href="mailto:jdcordell03@gmail.com">jdcordell03@gmail</a>
Date:	1/15/2014

C.G.C. # 68111

**Project: SOUTH STRUCTURAL**

	Div.	Description	Quantity	Unit	Total
Area # 5	Structure	<b>Carbon Storage &amp; Feed Facility</b>			
		concrete scope			
Area # 1	structure	Installation all waterstop, rebar & concrete. We will provide all nessary forms, labor & equip to complete . Carbon Storage & Feed Facility foundation. GC will provide excavation to subgrade and placement of stone and the nessary metal inserts for 2" sq. FRP grating. Skyrock will set steel and finish.	230.00	CYD	\$153,766.08
		<b>Caustic Storage &amp; Feed Facility</b>			
Area # 3	Structure	concrete scope			
		Installation all waterstop, rebar & concrete. We will provide all nessary forms, labor & equip to complete . Caustic Storage & Feed Facility foundation. GC will provide excavation to subgrade and placement of stone and the nessary metal inserts for 2" sq. FRP grating. Skyrock will set steel and finish.	155.00	CYD	\$130,580.10
Area # 2	Structure	<b>Tablet Clorinator Facility</b>			
		concrete scope			
Area # 2	Structure	Installation all waterstop, rebar & concrete. We will provide all nessary forms, labor & equip to complete . tablet Clorinator Facility foundation. GC will provide excavation to subgrade and placement of stone and the nessary metal inserts for 2" sq. FRP grating. Skyrock will set steel and finish.	30.00	CYD	\$13,520.52
		<b>Side Stream Treatment</b>			
Area # 2	Structure	concrete scope			
		Installation all waterstop, rebar & concrete. We will provide all nessary forms, labor & equip to complete . Side Stream Treatment Facility foundation. GC will provide excavation to subgrade and placement of stone and the nessary metal inserts for 2" sq. FRP grating. Skyrock will set steel and finish.	255.00	CYD	\$169,954.20
<b>TOTAL</b>					<b>\$467,820.90</b>

# Skyrock Construction, LLC

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 Office: (919) 266-2446 Fax: (919) 266-9096  
 Certification: DBE, HUB, POC, SBE, NCDOT  
 www.skyrockconstructionllc.com

Est:	James Cordell
Phone :	919-266-2446
Cell:	919-888-5886
Email:	jdcordell03@gmail
Date:	1/15/2014

C.G.C. # 68111

**Project: North Civil**

	div.	description	quantity	unit	total
AREA # 1	civil	HEAVYDUTY: 6" 4500 PSI. W/ 4X4 -2.9 WF 8 " ABC and Geo-fab installed by others. Contractor will cut work area to sub-grade place stone. Where construction joints #4 reinforcing will be placed 18" OC. Ref. Detail 3/C-61 Skyrock will form, pour & finish.	23488	SQFT	\$136,548.59
AREA # 2	civil	SIDEWALK: 4" THICK 4500 PSI FORM & POUR	820	SQFT	\$3,132.40
	civil	HEAVYDUTY: 6" 4500 PSI. W/ 4X4 -2.9 WF 8 " ABC and Geo-fab installed by others. Contractor will cut work area to sub-grade place stone. Where construction joints #4 reinforcing will be placed 18" OC. Ref. Detail 3/C-61 Skyrock will form, pour & finish.	23260	SQFT	\$134,908.00
AREA # 3	civil	HEAVYDUTY: 6" 4500 PSI. W/ 4X4 -2.9 WF 8 " ABC and Geo-fab installed by others. Contractor will cut work area to sub-grade place stone. Where construction joints #4 reinforcing will be placed 18" OC. Ref. Detail 3/C-61 Skyrock will form, pour & finish.	5196	SQFT	\$30,136.80
	civil	Install 2'-6" Curb & Gutter:	1850	LFT	\$22,875.82
					<b>\$327,601.61</b>

# Skyrock Construction, LLC

1000 Melbanie Rd. Suite A Raleigh, NC 27604  
 Office: (919) 266-2446 Fax: (919) 266-9096  
 Certification: DBE, HUB, POC, SBE, NCDOT  
[www.skyrockconstructionllc.com](http://www.skyrockconstructionllc.com)

Est:	James Cordell
Phone :	919-266-2446
Cell:	919-888-5886
Email:	jdcordell03@gmail
Date:	1/15/2014

C.G.C. # 68111

**Project: North Structural**

	div.	description	quantity	unit	total
Area # 2	structure	<b>Alum &amp; Carbon Storage &amp; Feed Facility</b> concrete scope	360.00	CYD	\$239,859.36
		Installation all waterstop, rebar & concrete. We will provide all nessary forms, labor & equip to complete . Alum & Carbon Storage & Feed Facility foundation, stairs & equip. pad. GC will provide excavation to subgrade and placement of stone and the nessary metal inserts for 2" sq. FRP grating. Skyrock will set steel and finish.			
Area # 1	structure	<b>Bulk Reuse Fill Station</b> concrete scope	29.00	CYD	\$11,415.92
		Installation all waterstop, rebar & concrete. We will provide all nessary forms, labor & equip to complete . Bulk Reuse Fill Station foundation, stairs & equip. pad. GC will provide excavation to subgrade and placement of stone and the nessary metal Inserts for 2" sq. FRP grating. Skyrock will set steel and finish.			
<b>TOTAL</b>					<b>\$251,275.28</b>

SECTION 00 41 13

BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

To: The City of Durham, North Carolina  
c/o The City Manager  
101 City Hall Plaza  
Durham, North Carolina 27701

Date: January 16, 2014

Project: North and South Durham WRF – Chemical Systems and Nutrient Related Improvements

The North Durham WRF – Chemical Systems and Nutrient Related Improvements portion of the project includes: modifications to existing Aeration Basins No. 1 – No. 6; construction of a new Alum and Carbon Storage and Feed Facility, a new Tablet Chlorination Facility, and a new Bulk Reuse Fill Station; demolition of six (6) existing structures/facilities; and, various other improvements shown on the drawings and specified herein.

The South Durham WRF – Chemical Systems and Nutrient Related Improvements portion of the project includes: modifications to existing Aeration Basins No. 1 – No. 8 and existing Alum Storage and Feed Facility; construction of a new Carbon Storage and Feed Facility, a new Caustic Storage and Feed Facility, new Tablet Chlorination Facility, a new Bulk Reuse Fill Station, and a new Sidestream Treatment Facility; and, various other improvements shown on the drawings and specified herein.

Sites: North Durham Water Reclamation Facility, 1900 East Club Boulevard, Durham, NC.  
South Durham Water Reclamation Facility, 6605 Farrington Road, Durham, NC.

Name of Bidder: GARNEY COMPANIES, INC.

Address of Bidder: 370 East Crown Point Road, Winter Garden, FL 34787

Phone Number of Bidder: 407-877-5903

Contact Person for Bidder: Eric Wagner, Chief Estimator

Phone Number of Contact: 321-221-2828

Bidder's North Carolina General Contractor's License Number:

28501

BID SUMMARY

LUMP SUM BID ITEMS	
1. All work for the North Durham Water Reclamation Facility – Chemical Systems and Nutrient Related Improvements Project except items 3-5 below.	\$ <u>3,838,266.04</u>
2. All work for the South Durham Water Reclamation Facility – Chemical Systems and Nutrient Related Improvements Project except items 3-5 below.	\$ <u>7,410,000.00</u>
3. All work associated with removal of solids from basins and concrete demolition of Waste Gas Holding Tank foundation as provided in Total Unit Price Bid Item Amount.	\$ <u>335,750.00</u>
4. Contingency Allowance (In accordance with Section 11.02.C of General Conditions)	\$ <u>280,000.00</u>
5. Systems Integrator Price Quotation	\$ <u>2,105,983.96</u>
<b>TOTAL BASE BID AMOUNT FOR ALL WORK IN CONTRACT DOCUMENTS</b>	
<b>TOTAL BASE BID AMOUNT</b>	\$ <u>13,970,000.00</u>
<b>TOTAL BASE BID AMOUNT (in words):</b> _____	
<u>THIRTEEN MILLION NINE HUNDRED SEVENTY THOUSAND DOLLARS</u>	

The Total Base Bid Amount of the Bid Summary above shall be shown in both words and numbers. In case of discrepancy, the amount shown in words will govern. In the event of a discrepancy between the sum of the extended amounts and the bid total, the sum of the extended amounts shall govern.

Basis of award shall be the TOTAL BASE BID AMOUNT or the combination of the TOTAL BASE BID AMOUNT and any combination of ALTERNATE BID ITEM AMOUNTS, at the sole discretion of the Owner.

Form E-101 SDBE PARTICIPATION ON BASE BID

Name of Bidder: GARNEY COMPANIES, INC.

Prequalification number: 1427 Prequalification expiration date: 01/04/2015

Total dollar amount of SDBE participation in base bid work: \$3,464,984

For each row, check one column: E, F, or G.

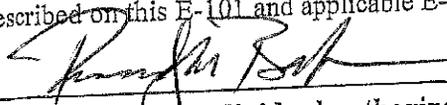
Column A	Column B	Column C	Column D	Column E	Column F	Column G
Name of proposed subcontractor for base bid work	Goods and services to be provided for base bid work	Subcontract amount, in dollars, for base bid work	Percentage of total base bid (Column C divided by total base bid)	Black-owned SDBE	Women-owned SDBE	Non-SDBE
CITI	I&C	\$2,105,984	15% %	✓ HISP		
COOPER ELECTRIC	ELECTRIC	\$1,359,000	10% %		✓	
		\$	%			
		\$	%			

Attach extra sheets as needed. See question 14 under QUESTIONS AND ANSWERS ON SDBE REQUIREMENTS, which states that the bidder may check column E or column F for an SDBE that is neither Black-owned nor women-owned.

Do the above participation amounts meet the goals on this contract, assuming only the base bid is counted?

Yes  No. If the answer is No: (1) the bidder must have made good-faith efforts; (2) the bidder must provide, within 2 business days after bid opening, documentation of good-faith efforts; and (3) the bidder must sign below.

As an authorized representative of the Bidder, I swear or affirm under penalty of fraud that the good-faith efforts documentation submitted with this bid, pertaining to the base bid and all alternates, if any, is correct and not intended to defraud or mislead. After the contract between the City and the Bidder is signed, except to the extent that the City gives prior written approval for changes, the Contractor agrees that it shall engage the subcontractors listed on this E-101 and on all applicable E-102 forms, to perform the work for the dollar amounts or percentages described on this E-101 and applicable E-102s.

  
 \_\_\_\_\_  
 Signature of individual authorized to sign for Bidder  
 Timothy M. Behler, Vice President

SECTION 00.41.13

BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

To: The City of Durham, North Carolina  
c/o The City Manager  
101 City Hall Plaza  
Durham, North Carolina 27701

Date: January 16, 2014

Project: North and South Durham WRF – Chemical Systems and Nutrient Related Improvements

The North Durham WRF – Chemical Systems and Nutrient Related Improvements portion of the project includes: modifications to existing Aeration Basins No. 1 – No. 6; construction of a new Alum and Carbon Storage and Feed Facility, a new Tablet Chlorination Facility, and a new Bulk Reuse Fill Station; demolition of six (6) existing structures/facilities; and, various other improvements shown on the drawings and specified herein.

The South Durham WRF – Chemical Systems and Nutrient Related Improvements portion of the project includes: modifications to existing Aeration Basins No. 1 – No. 8 and existing Alum Storage and Feed Facility; construction of a new Carbon Storage and Feed Facility, a new Caustic Storage and Feed Facility, new Tablet Chlorination Facility, a new Bulk Reuse Fill Station, and a new Sidestream Treatment Facility; and, various other improvements shown on the drawings and specified herein.

Sites: North Durham Water Reclamation Facility, 1900 East Club Boulevard, Durham, NC.  
South Durham Water Reclamation Facility, 6605 Farrington Road, Durham, NC.

Name of Bidder: English Construction Company, Inc.

Address of Bidder: 615 Church Street Lynchburg, VA 24504

Phone Number of Bidder: 434/ 845-0301

Contact Person for Bidder: L. Robert Halpin

Phone Number of Contact: 434/ 845-0301

Bidder's North Carolina General Contractor's License Number:

8786

BID SUMMARY

LUMP SUM BID ITEMS	
1. All work for the North Durham Water Reclamation Facility – Chemical Systems and Nutrient Related Improvements Project except items 3-5 below.	\$ <u>4,541,260</u>
2. All work for the South Durham Water Reclamation Facility – Chemical Systems and Nutrient Related Improvements Project except items 3-5 below.	\$ <u>6,484,406.04</u>
3. All work associated with removal of solids from basins and concrete demolition of Waste Gas Holding Tank foundation as provided in Total Unit Price Bid Item Amount.	\$ <u>1,190,350</u>
4. Contingency Allowance (In accordance with Section 11.02.C of General Conditions)	\$ <u>280,000.00</u>
5. Systems Integrator Price Quotation	\$ <u>2,105,983.96</u>
<b>TOTAL BASE BID AMOUNT FOR ALL WORK IN CONTRACT DOCUMENTS</b>	
<b>TOTAL BASE BID AMOUNT</b>	\$ <u>14,602,000</u>
<b>TOTAL BASE BID AMOUNT (in words):</b> <u>Fourteen Million Six Hundred</u> <u>Two Thousand dollars</u>	

The Total Base Bid Amount of the Bid Summary above shall be shown in both words and numbers. In case of discrepancy, the amount shown in words will govern. In the event of a discrepancy between the sum of the extended amounts and the bid total, the sum of the extended amounts shall govern.

Basis of award shall be the TOTAL BASE BID AMOUNT or the combination of the TOTAL BASE BID AMOUNT and any combination of ALTERNATE BID ITEM AMOUNTS, at the sole discretion of the Owner.

Form E-101 SDBE PARTICIPATION ON BASE BID

Name of Bidder: English Construction Company, Inc.

Prequalification number: 1027 Prequalification expiration date: 10/1/2014

Total dollar amount of SDBE participation in base bid work: 1,477,857

For each row, check one column: E, F, or G.

Column A	Column B	Column C	Column D	Column E	Column F	Column G
Name of proposed subcontractor for base bid work	Goods and services to be provided for base bid work	Subcontract amount, in dollars, for base bid work	Percentage of total base bid (Column C divided by total base bid)	Black-owned SDBE	Women-owned SDBE	Non-SDBE
<del>CITE</del>	<del>System Integrator</del>	\$ <del>2,105,984.</del>	%			✓
Anderson Industrial Coatings	Coatings	\$ 105,267	1 %		✓	
Copper Electric	Electrical	\$ 1,372,590	10 %		✓	
		\$	%			

Attach extra sheets as needed. See question 14 under **QUESTIONS AND ANSWERS ON SDBE REQUIREMENTS**, which states that the bidder may check column E or column F for an SDBE that is neither Black-owned nor women-owned.

Do the above participation amounts meet the goals on this contract, assuming only the base bid is counted?

Yes  No. If the answer is No: (1) the bidder must have made good-faith efforts; (2) the bidder must provide, within 2 business days after bid opening, documentation of good-faith efforts; and (3) the bidder must sign below.

As an authorized representative of the Bidder, I swear or affirm under penalty of fraud that the good-faith efforts documentation submitted with this bid, pertaining to the base bid and all alternates, if any, is correct and not intended to defraud or mislead. After the contract between the City and the Bidder is signed, except to the extent that the City gives prior written approval for changes, the Contractor agrees that it shall engage the subcontractors listed on this E-101 and on all applicable E-102 forms, to perform the work for the dollar amounts or percentages described on this E-101 and applicable E-102s.

English Construction Company, Inc.  
 Signature of individual authorized to sign for Bidder  
 Henry G. Myers Vice President

## Pre-Bid Meeting Minutes

**Project:** North and South Durham Water Reclamation Facility  
Chemical Systems and Nutrient Related Improvements  
H&S No. 30751-007

**Owner:** City of Durham, North Carolina

**Meeting Date:** December 17, 2013

**Time/Location:** 9:00 a.m. North Durham WRF  
1:00 p.m. South Durham WRF

---

**The pre-bid sign in sheet is attached to this document.**

1. Simon Lobdell with the City of Durham opened the meeting and introduced Ron Taylor and Tricia Drummey Stiegel with Hazen and Sawyer, John Dodson from the North Durham WRF, and Dan Love on behalf of Vincent Wingate from the City's Equal Opportunity/ Equity Assurance (EO/EA) Office.
2. Dan Love briefly described the prequalification procedure for Contractors through the EO/EA office and reminded Contractors that the prequalification is only good for one year. Prequalification must be valid through the bid date of January 16. Any Contractors who are not already prequalified need to submit the required forms to Angela Henderson of the EO/EA office by January 2, 2014.

This project has minority and women owned business goals outlined in the Contract Documents. There is also a list of Durham-certified SDBE firms in a front end appendix; due to the long bid period, Contractors may also check for certified SDBE firms on the City's website. The list in the contract documents is what will be used to verify good faith efforts if a contractor is not able to meet the goals. The list contains designations such as "M" for minority and "W" for woman; any other designation, such as "H" or "A" can be used to fulfill either the minority or woman goals. However, one firm may not be used to fulfill both minority and woman goals; a minimum of two firms must be used. **Handout from EO/EA office is attached to this document.**

3. Tricia Drummey Stiegel gave a brief overview of the project, which involves both North and South Durham WRFs. She provided an overview of the bid form and required documentation, all of which is included in the Instructions to Bidders and Bid Form sections. A concurrent pre-selection of a Systems Integrator is currently underway with proposals due to be received on December 30. The Systems Integrator scope and price will be inserted into the Contract Documents via addendum. She reviewed the overall project duration, intermediate milestones, and associated liquidated damages. The Engineer's estimate is \$15M, which includes the Integrator's scope. **Slides are attached to this document.**

## Pre-Bid Meeting

North and South Durham Water Reclamation Facilities  
Chemical Systems and Nutrient Related Improvements  
December 17, 2013

4. The following questions were asked in the conference room:

Q: On the pipe running under the trickling filter, what is the pipe material, when was it installed, and how deep is it?

A: The pipe is ductile, it was installed in the 1970s, and a section is shown on the drawings indicating how deep it is according to records. The bottom slab of the trickling filter will not be disturbed to avoid damaging the pipe.

Q: Are there drawings available on the structures to be demolished?

A: As many drawings as can be found will be made available to all contractors.

Q: Is there a gantry crane in the UV facility?

A: There is not a crane in the UV facility, but a crane may be required in the aeration basin piping galleries. Forklifts for the galleries will be added via addendum, and any cranes or hoists will be clarified via addendum.

Q: Can the drying beds be used for disposal of the solids required to be removed by unit price?

A: The drying beds (available at both North and South Durham) may be used for temporary storage and drying, but ultimate disposal will be the responsibility of the Contractor.

5. North Durham Site Tour:

Q: How can material be moved in and out of the aeration basin galleries?

A: Double doors available on one side of the gallery, and a 2 ton hoist is available at the center gallery to lower down material.

Q: Does the slab need to be removed below the gas holding tank?

A: Yes

Q: Is there lead paint in the holding tank?

A: See hazardous materials report in Appendix of Contract Specifications

Q: Is the WAS holding tank labeled correctly on the documents?

A: The WAS holding tank label will be clarified via addendum.

Q: Will all items in the glass building be removed by the Contractor?

A: Yes, all items in the glass building are responsibility of the Contractor. It was noted that the City will retain some glass as specified in 01540. It was also noted that the glass has value and there are firms that have contacted the City to purchase the glass.

Q: How do we need to remove the walls of the trickling filter, saw cut or muncher?

A: The removal of the walls must not disturb the pipe underneath. If limitations will be placed on removal techniques, that will be clarified via addendum.

Q: Do only the tanks need to be removed at the caustic feed facility on the A side?

A: This will be clarified by addendum. Only the tanks need to be disposed of; the metering pumps will need to be removed and placed on pallets for the City.

6. South Durham Site Tour:

Q: How should damaged diffusers in the WAS holding tank be addressed (if they were damaged from grit)? They need to be transferred to NDWRF.

A: will be addressed via addendum as needed.

Q: Do the solids in the aeration basins need to be completely removed, or just as needed to do piping and baffle walls mods?

## **Pre-Bid Meeting**

North and South Durham Water Reclamation Facilities  
Chemical Systems and Nutrient Related Improvements  
December 17, 2013

A: Will be addressed via addendum as needed.

Q: Can labels be added to identify new piping at the dewatering facility?

A: To be addressed via addendum.

Q: Is the only access to the two aeration basin galleries through the stairs and hatch on the South end?

A: That is primary access. There is a small hatch sized for a person only at the North end

Q: How far below grade is the influent valve located?

A: The stem comes up within 2' of the concrete drive. Valve is further down. Additional information will be provided via addendum if needed.



**EO/EA SDBE Requirements Summary**  
**North and South Durham WWTP Chemical Systems and Nutrient Related Improvements**

Bidders must be prequalified with EO/EA and completed prequalification applications must be submitted no later than Thursday, January 2, 2014 to Angela Henderson of the EO/EA dept. ([angela.henderson@durhamnc.gov](mailto:angela.henderson@durhamnc.gov)/919-560-4180, ext. 17244). All prequalification applications will be reviewed prior to the Bid Opening. All forms needed for prequalification are included in the Project Manual appendices and the EO/EA web site: ([http://durhamnc.gov/ich/as/eoea/Documents/equal\\_prequal\\_app.pdf](http://durhamnc.gov/ich/as/eoea/Documents/equal_prequal_app.pdf)).

Minority (MSDBE) participation goal is 3%. Woman (WSDBE) participation goal is 1%. These are two separate goals that you need to try to obtain. SDBE firms that are not designated M (Minority) or W (Woman) may be used to meet either goal, i.e. H (Hispanic), AI (American Indian) or AA (Asian American). A single SDBE firm cannot be used to help meet **both** goals. If your firm is a City of Durham, NC DOT or U.S. SBA certified MSDBE, WSDBE or SDBE, you may use it towards meeting the respective goal for this project, either MSDBE or WSDBE. You will still be required to obtain participation to meet the other goal.

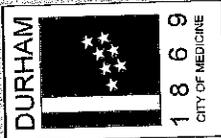
A list of SDBE firms based on the subcontracting opportunities identified by the Project Manager is included in the Project Manual. This listing is not inclusive of all the firms in our data base. To see a complete listing of the certified firms you can go to the City's website [www.durhamnc.gov](http://www.durhamnc.gov) (click on City Services, then click on City Departments, then EO/EA Dept., then Certification System SDBE). Please verify that all SDBE subcontractors are registered with EO/EA or an approved substitute, i.e., the NC DOT or the U.S. Small Business Administration. Firms certified within these accepted organizations must be classified as women owned or minority owned in order to count towards the goals. Please note that **HUB certified firms must also be certified with the City of Durham, i.e., HUB only certified firms CANNOT be used to meet the goals.** If there is any question concerning the ability of a subcontractor to be used to meet one of the goals, you may contact **Vince Wingate at (919) 560-4180, ext. 17241.**

**The E-101 form must be signed and submitted regardless of participation for Bids to be deemed responsive.**

The Successful Bidder will be required to submit an E-105 form for each SDBE subcontractor that they plan to utilize within five (5) days of the bid opening.

If the apparent responsive low bidder does not meet the goals, then a completed Good Faith Effort Questionnaire E-107 form must be submitted within 2 days of the bid opening. **The most important thing you can do to satisfy the Good Faith Effort is to in a timely manner, i.e., at least ten days from the bid opening, make documented contacts of ALL of the firms in the City's SDBE listing and document any contacts you receive from them.**

Any questions? Please call or email Vince Wingate [vincent.wingate@durhamnc.gov](mailto:vincent.wingate@durhamnc.gov)



# North and South Durham Water Reclamation Facilities Chemical Feed Systems and Nutrient Related Improvements

## Pre-Bid Meeting

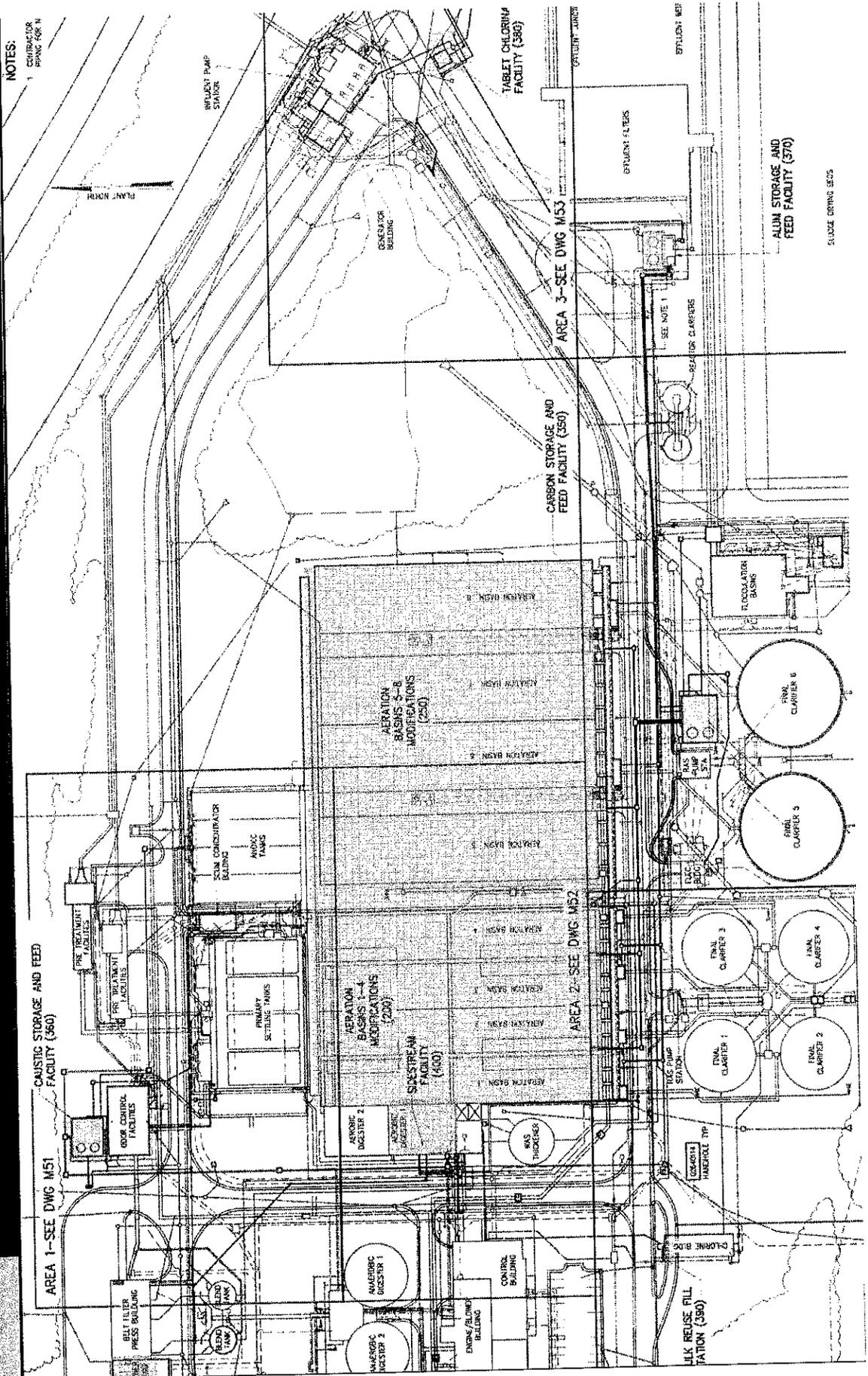
December 17, 2013



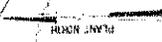
# Agenda

- **EO/EA Requirements**
- **North Durham Overview**
- **South Durham Overview**
- **Bidding Requirements**
- **Integrator Pre-Selection**
- **Schedule**
- **Questions**
- **North Durham tour**
- **South Durham tour (1 PM at South Durham WRF, 6605 Farrington Rd, Chapel Hill, NC 27517)**

# South Durham Overview



NOTES:  
 1 CONTRACTOR  
 2 PIPING FOR R



AREA 1-SEE DWG M51  
 CAUSTIC STORAGE AND FEED FACILITY (360)

AREA 2-SEE DWG M52

AREA 3-SEE DWG M53

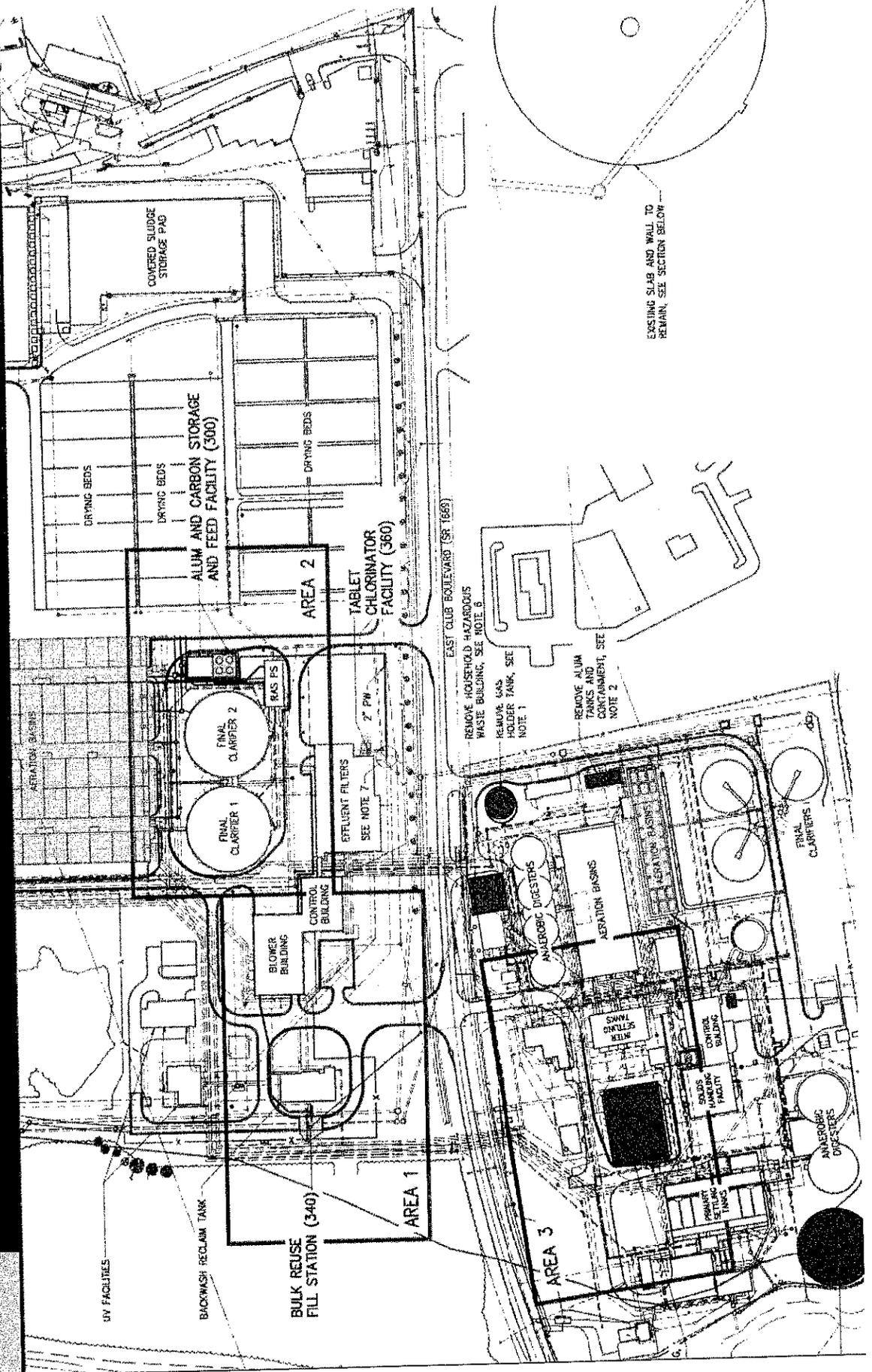
TABLET CHLORINATING FACILITY (386)

ALUM STORAGE AND FEED FACILITY (370)

SLUDGE DRIVING SETS

WALK REUSE FILL TATION (360)

# North Durham Overview



EXISTING SLAB AND WALL TO REMAIN, SEE SECTION BELOW

EAST CLUB BOULEVARD (SR 1669)  
REMOVE HOUSEHOLD HAZARDOUS WASTE BUILDING, SEE NOTE 6  
REMOVE GAS HOLDER TANK, SEE NOTE 1  
REMOVE ALUM TANKS AND CONTAINMENT, SEE NOTE 2

BULK REUSE FILL STATION (340)

ALUM AND CARBON STORAGE AND FEED FACILITY (300)

TABLE CHLORINATOR FACILITY (360)

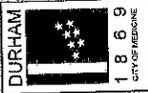
AREA 3

AREA 1

AREA 2

# Bidding Requirements

- **Bid Form- Section 00 41 13**
- **Page 4: Bid Summary**
  - **Construction Photography and Systems Integrator prices and scopes provided via addendum**
- **Four (4) Deductive Alternates (not required)**
- **Include all items on Page 14**
  - **Bid Form**
  - **SDBE Form**
  - **Non-Collusion**
  - **Bid Security**
  - **Contractor Equipment and Personnel**
  - **Equipment/Material Manufacturers**
  - **Contractor Safety Record Information**



# Systems Integrator Pre-Selection

- The City is concurrently conducting a pre-selection process for Systems Integration
- Selected Integrator, price, and scope will be provided via addendum

# Construction Schedule

- **South Durham**
  - 730 Days Final Completion (670 Substantial Completion)
  - 365 days Sidestream Treatment (Intermediate Milestone)
- **North Durham**
  - 540 Days Final Completion (450 Substantial Completion)
  - 300 days Supplemental Carbon (Intermediate Milestone)
- **Liquidated Damages**
  - \$2,100/day Substantial and Final Completion
  - \$5,000/day Intermediate Milestones



# Engineer's Estimate

• \$15M

# Questions

