

CHATHAM COUNTY PURCHASING DEPARTMENT

ADDENDUM NO. 1 TO 11-7-7-4

FOR: NORWOOD OUTFALL #2 DRAINAGE IMPROVEMENTS

PLEASE SEE THE FOLLOWING FOR ADDITIONS, CLARIFICATIONS AND/OR CHANGES:

NOTE:

Replace current Bid Sheets with the attached REVISED BID SHEETS (2).

Replace *Project Description and Special Conditions for Norwood Outfall #2 Drainage Improvements* Section (pages 17 - 20 in the ITB) with the attached REVISED Section pages (4).

NOTE: There will be LIQUIDATED DAMAGES for this project: Failure to complete the work within the duration of **180 calendar days** plus any extension authorized in writing by the County Engineer shall entitle the County to deduct as "Liquidated Damages" from the monies due the Contractor the amount of **\$250** for each calendar day in excess of the authorized construction time.

BIDS REMAIN DUE: 2PM, WEDNESDAY, MARCH 2, 2011.

THE BIDDER IS RESPONSIBLE FOR MAKING THE NECESSARY CHANGES AND MUST ACKNOWLEDGE RECEIPT OF ADDENDUM.

2-24-11
DATE



ROBERT E. MARSHALL
SENIOR PROCUREMENT SPECIALIST
CHATHAM COUNTY

**BID SCHEDULE
NORWOOD OUTFALL #2 IMPROVEMENTS
CHATHAM COUNTY
REVISED 16-FEB-2011**

Item	Description	Unit	Quantity	Unit Price	Item Total
General					
1	Mobilization and Bonds (Not to exceed 5% of total bid price)	LS	1		
2	Traffic Control (detour and signage for Norwood Place)	LS	1		
3	Traffic Control (Lane shifts, striping, barricades for Doe Trail)	LS	1		
4	Field Survey, Set Pins/Irons During Construction	LS	1		
5	Tree Protection Fencing	LF	1020		
Demolition					
6	Clearing and Grubbing	LS	1		
7	Remove 12" RCP (65 LF)	LS	1		
8	Remove 18" RCP (24 LF)	LS	1		
9	Remove Existing Headwall	LS	1		
Roadway					
10	Cut and Replace Asphalt Pavement	LF	108		
11	Cut and Replace Concrete Pavement (Driveway)	SF	363		
12	Construction Entrance	EA	1		
13	Cut and Replace Curb and Gutter	LF	64		
Drainage					
14	Lower Shoulder (Both Sides of Norwood Avenue)	LS	1		
15	Site Grading	LS	1		
16	Rip-Rap w/ Filter Fabric	CY	20		
17	Sand/Cement Bag Rip Rap	SY	26		
18	18" RCP (0'-8')	LF	54		
19	24" RCP (0'-8')	LF	13		
20	30" RCP (0'-8')	LF	114		
21	42" RCP (0'-8')	LF	630		
22	4' x 4' Cast-In-Place Concrete Box w/ Headwall (0'-6')	EA	1		
23	6' x 6' Cast-In-Place Concrete Box (0'-6')	EA	1		
24	5' x 5' Cast-In-Place Concrete Storm Box (0'-8')	EA	3		
25	Install New Weir Wall in Existing Junction Box	EA	1		
26	Grate Inlet Frame and Grate	EA	5		
27	Existing Concrete Flume Connection	LS	1		
28	42" Flared End Section	EA	1		
29	24" Flared End Section	EA	2		
30	18" Flared End Section	EA	3		
31	Tie to existing 29" x 45" Elliptical RCP	LS	1		
32	Remove/Reset Existing Chain Link Fence to Property Line	LS	1		

Utility Work					
33	4' Diameter Manhole (6'-8')	EA	2		
34	4' Diameter Manhole (6'-8') w/3 6" PVC Lateral Stub Outs	EA	1		
35	4' Diameter Doghouse Manhole (10'-12')	EA	1		
36	8" PVC SS Gravity Line (6'-8')	LF	207		
37	8" PVC SS Gravity Line (8'-10')	LF	166		
38	8" PVC SS Gravity Line (10'-12')	LF	91		
39	8" DI SS under road (10'-12')	LF	40		
40	6" PVC Lateral Connections (stub out)	EA	3		
41	Cut and Replace Asphalt/Gravel Pavement	LF	350		
42	Temporarily relocate signage, mailboxes, trees, etc.	LS	1		
43	Relocate 10" water line	LS	1		
Erosion Control					
44	Vegetative & Structural Erosion & Sediment Control	LS	1		
45	Failure to Conform to Erosion & Sediment Control Requirements	EA	0	-\$250	0
				Total Estimated Cost	

NAME / TITLE

COMPANY

ADDRESS

PHONE / FAX NO'S

Project Description and Special Conditions
for
Norwood Outfall #2 Drainage Improvements

Project Description:

The project is located at Norwood Avenue at the intersection of Norwood Place in Unincorporated Chatham County.

The project consists of all work required to install a storm drainage system and all other improvements shown on the Construction Drawings listed below.

Soil erosion and sedimentation control is required and must be implemented prior to, and maintained during construction of the work. Construction phasing and maintenance of traffic is required.

The project includes liquidated damages for not completing work within the specified time.

Contract Documents Include:

- I. Georgia Department of Transportation Standard Specifications of Transportation Systems, current edition
<http://www.dot.state.ga.us/doingbusiness/TheSource/Pages/specifications.aspx>

- II. Drawings
 - A. 0.0 Cover Sheet
 - B. 1.0 General Notes and Symbols
 - C. 2.0 Existing Conditions Plan
 - D. 3.0 Utility Plan
 - E. 4.0 Utility Profiles
 - F. 5.0 Cross Sections
 - G. 6.0 Erosion and Sediment Control Notes
 - H. 7.0 Erosion and Sediment Control Phase 1 Perimeter Control
 - I. 8.0 Erosion and Sediment Control Phase 2 Construction
 - J. 9.0 Erosion and Sediment Control Phase 3 Final Stabilization
 - K. 10.0 Erosion and Sediment Control Details
 - L. 11.0 Construction Details and Detour Plan

Contractor's Responsibility to Maintain Public Access

Work hours shall be limited to 7:00 am to 7:00 pm Monday through Friday and shall exclude holidays. The Contractor shall close Norwood Avenue to public traffic for the installation of the storm crossing and the sanitary sewer main connection. The road closure shall be kept to as little days as possible but no more than 60 days **and be completed between June 13, 2011 and August 22, 2011**. The Contractor shall notify all emergency services of the road closure as well as the school system for bus routes. All signage regarding closure shall be posted no less than one week prior to any right of way excavation.

The contractor shall submit a Traffic Control Plan to the Chatham County Department of Engineering for approval prior to beginning work. All necessary traffic control devices, flagmen, notifications shall be provided for by the contractor and approved by the Chatham County Department of Engineering. The Contractor shall obtain an Encroachment Permit from the Department of Public Works prior to any work within road rights of way.

Preconstruction Inspection

A preconstruction record is required and must be submitted to Chatham County Department of Engineering for approval prior to start of any land disturbing work. The record shall consist either of a bound photo album (such as a 3-ring binder with plastic sleeves) with 3" by 5" color photographs or a high quality video on a DVD formatted to be read with Windows Media Player. Each photograph or video shall be described as to location and feature represented.

Special emphasis shall be given to record pre-disturbance condition of roadway pavements, curbing, sidewalks, driveways, buildings, utilities and other improvements located within or within 50 feet of the project limits. The preconstruction record shall be provided to and accepted by the County prior to issuance of Notice to Proceed. This is in addition to other inspections and surveys required of the Contractor or performed by the County.

The Contractor shall provide and pay all costs of a video inspection record of the existing sanitary sewer system within the project limits produced by a qualified sewer inspection company or agency (Chatham County or City of Savannah inspection crews are acceptable, however the Contractor shall remain responsible for paying all costs). The video inspection record shall be provided on standard DVD and compatible with County viewing software. All deficiencies identified by the inspection shall be noted by the Inspector in written form showing type of deficiency and location.

Post-construction Inspection

The Contractor shall provide and pay all costs of a video inspection record of the completed pipe systems produced by a qualified sewer inspection company or agency (Chatham County or City of Savannah inspection crews are acceptable, however the Contractor shall remain responsible for paying all costs). The video inspection record shall be provided on standard DVD and compatible with County viewing software. All deficiencies identified by the inspection shall be corrected by the Contractor prior to acceptance of the work as substantially complete.

Erosion and Sedimentation Control:

The Contractor will be responsible for installation, maintenance and repair of the sedimentation and erosion control facilities and for any modifications or adjustments necessary for the project to remain in compliance with the Georgia Erosion and Sedimentation Act during performance of the work. The Contractor will have on site at all times of construction activity a Georgia Soil and Water Conservation Commission Level 1A certified person.

The contractor shall perform sediment and erosion control inspection and reporting requirements, recording daily precipitation amounts, and other duties as described in the contract documents. Inspection reports shall be provided on forms provided by the County or as approved by the

County. Signed copies of the Contractor's reports shall be submitted to the County with each Request for Payment. Water quality testing and reporting will be provided by the County.

The total contract amount will be reduced by an amount specified on the bid form for each occurrence of failure to conform to the sediment and erosion control requirements of the contract. For the purpose of this paragraph an occurrence shall be defined as each 24-hour period with consecutive 24-hour periods being measured as separate occurrences. This fee shall be in addition to any penalties or assessments made against the Contractor for non-compliance of the Georgia Water Quality Control Act.

Documentation to be Provided with Requests for Payment

In addition to the documentation described elsewhere in the Contract Documents, the Contractor shall submit with each request for payment the following:

1. Inspection reports of the sediment and erosion control facilities as described in the General Permit No. GAR100002. A copy of the Georgia Soil and Water Conservation Commission certification card(s) of the person(s) completing the reports shall also be submitted. Missing or incomplete documentation of inspection reports may be cause for delay/denial of payment.
2. Copies of material delivery tickets. The Contractor shall be responsible for collecting these documents at the time of delivery. The delivery tickets shall not relieve the Contractor of his responsibility to ensure the materials are in accordance with the contract documents. Missing or incomplete documentation of delivered materials may be cause for delay/denial of payment.
3. Prior to submitting a request for payment, the Contractor shall review the extent of work completed with the County's representative for accuracy and completeness.

Construction Staking and Control of Work

The County shall engage a surveyor to provide initial construction stakeout and demarcation of project limits and property lines. Ongoing control of the project work shall be the responsibility of the Contractor. The cost for resurvey work to reestablish initial project controls shall be paid for by the Contractor. The Contractor shall provide access and schedule all work in order to accommodate the survey work by the County's surveyor.

Special Requirements of Construction

1. The Contractor shall confine all personnel, equipment, materials and work to the area defined as the project limits shown on the drawings.
2. The Contractor shall accommodate dry weather and wet weather drainage flows through the project site without hindrances or damage to the work.
3. The Contractor shall coordinate with all utility providers for temporary relocations of any utility lines that may be in conflict with the construction activities.
4. Norwood Place and Doe Trail Court shall remain open at all times during construction.
5. Vehicular accessibility to the two residential lots shown as Sallie Reese Golden & Sandra Golden Jones and Jerome & Barbara Golden shall be maintained to the best extent possible. The residents shall be notified 24 hours prior to the driveway becoming non-accessible.

6. The non-potable wells belonging to the parcel listed as James Crumley are to remain active during construction. The Contractor shall repair any damage sustained during construction at his expense.
7. All vegetation shall be removed within the 15' drainage easement.
8. All palm trees along Norwood Avenue that are in conflict with the proposed improvements shall be uprooted in such a way as to be replanted in the same area after project completion. The removal and replacement shall be performed under the supervision of an ISA Certified Arborist. The trees may be stored onsite within the temporary easements between the removal and the replacement process. Care should be taken to ensure the health of the trees.

The following special requirements refer to the property identified as Union Skidaway Baptist Church on the drawings.

1. The Contractor shall work around and protect the church sign and water meter located directly adjacent to the sign within the temporary easement. Any damage to the sign or water meter will be corrected by the Contractor at his expense.