



Transmittal

August 29, 2017

To: Ms. Sharon Lynn
City of Rehoboth Beach
229 Rehoboth Avenue
Rehoboth Beach, DE 19971

Ref. No.: 8618693

From: Jeff Sturdevant, PE

GHD Tel: 240-206-6842

Subject: Construction Management and Inspection Services Task Order for Rehoboth Beach Ocean Outfall and Amendment No. 2 to Task Order 14

No. of Copies	Description/Title	Drawing No./ Document Ref.	Issue
2	Task Order No. 21 – Construction Management and Inspection Services for Rehoboth Beach Ocean Outfall Project		8/29/17
2	Amendment No. 2 to Task Order No. 14 – Rehoboth Beach WWTP Effluent Pumping Station		8/29/17

Issued for: Your information As requested Construction Quotation
 Your approval/comments Returned to you For re-submission

Sent by: Overnight courier Same day courier Other: _____

Remarks:

Enclosed are two (2) originals of each Task Order listed above. Please sign and return one (1) original back to our office.

Copy to: _____

Completed by: Jeff Sturdevant
[Please Print]

Signed:

Filing: Correspondence File

TASK ORDER

This is Task Order No. 21,
consisting of 8 pages.

Task Order

In accordance with paragraph 1.01 of the Standard Form of Agreement Between Owner and Engineer for Professional Services – Task Order Edition, dated March 5, 2010 ("Agreement"), Owner and Engineer agree as follows:

1. Specific Project Data

- A. **Title:** City of Rehoboth Beach Ocean Outfall
- B. **Description:** Construction Management and Inspection services for the Rehoboth Beach Outfall Project as defined in the Contract Documents for City of Rehoboth Beach, Delaware; Ocean Outfall Project Contract No. 2017-001 prepared by GHD Inc. dated June 2017.

2. Services of Engineer

TASK 1: CONSTRUCTION PHASE ENGINEERING SERVICES

- A. **Contract Coordination and Project Management:** Contract coordination will involve routine communication with the OWNER, OWNER's Authorized Representative, and Contractor to discuss overall project issues, help resolve conflicts or discrepancies, make contract interpretations, and assist in resolution of certain field-related construction issues. Project management tasks include contract administration, invoicing, resource scheduling, and communications.
- B. **Construction Meetings:** Attend pre-construction meetings (3), construction progress meetings (20), pre-final inspection meeting (1), City meetings (4), regulatory meetings (3), and final inspection meeting (1) with the Contractor and Owner. Prepare agenda and minutes.
- C. **Preliminary Submittals:** Review the Contractor's required preliminary submittals (including the progress schedule, shop drawing schedule, and schedule of values) for conformance with Contract Documents. Request modifications, where required.
- D. **Shop Drawings and Submittals:** Review shop drawings and submittals for conformance with Contract Documents. Request modifications, where required. Submittals will be stored and tracked by ENGINEER.
- E. **Requests for Information (RFI):** Respond to Contractor's written requests for clarification in a written format. RFI's will also be stored and tracked by ENGINEER.

TASK ORDER

- F. Operations & Maintenance (O&M) Submittals: Review operations and maintenance submittals furnished by the Contractor for conformance with Contract Documents. Request modifications, where required. Three separate stages of O&M manuals are required including Preliminary O&M manuals, Final Draft O&M manual, and Final O&M manual.
- G. Materials Testing Results: ENGINEER will review and analyze the results of field and materials testing results. The field testing requirements will be coordinated with the ENGINEER's Resident Project Representative.
- H. Proposed Change Orders and Change Orders: Review proposed change order (PCO) requests. Provide written response to the PCOs including recommendations for the OWNER to approve or reject. When the amount of PCOs reaches an agreed upon amount, ENGINEER will issue a formal change order to the OWNER for review and approval. The project price will be adjusted per the General Conditions.
- I. Applications for Payment: Review submitted applications for payment from Contractor. Provide written responses to the Applications for Payment including recommendations for the Owner to approve or reject. Coordinate with DNREC loan funding agencies.
- J. Record Drawings: Modify bid drawings at the completion of the project and produce a Record Drawing set for the OWNER's use based on red-line drawings provided by the Contractor. Three (3) sets of Record Drawings will be provided to the OWNER along with electronic AutoCAD files.
- K. DNREC Coordination: Coordination with DNREC for loan funding requirements.

TASK 2: OWNER'S AUTHORIZED REPRESENTATIVE

- A. OWNER's Authorized Representative (Resident Project Representative): ENGINEER will provide full time Resident Project Representatives (RPRs) to serve as the OWNER's Authorized Representative during construction activities. It is anticipated that the Contractor will be working 12-hour shifts 6 days a week. The RPR's shall work out of the ENGINEER's field trailer and shall be onsite for 72 hours per week (except for City holidays) for 8 months following Notice to Proceed. During 24-hour construction operation, ENGINEER will provide additional RPR's whom will be onsite on 8 hour shifts each. 24-hour operation is anticipated to occur for a total of 2 weeks. In addition, ENGINEER will provide specialized horizontal directional drill (HDD) and marine trench installation engineering oversight services. The RPR responsibilities shall be as outlined in Article 9 of the General Conditions of the Contract Documents for Construction and as described below:
 - 1) RPR will be Engineer's employee or agent at the Site, will act as directed by and under the supervision of Engineer, and will confer with Engineer regarding RPR's actions. RPR's dealings in matters pertaining to the Work in general shall be with

TASK ORDER

Engineer and Contractor. RPR's dealings with Subcontractors shall be through or with the full knowledge and approval of Contractor. The RPR shall:

- i. Schedules: Review the progress schedule, schedule of Shop Drawing and Sample submittals, and schedule of values prepared by Contractor and consult with ENGINEER concerning acceptability.
- ii. Conferences and Meetings: Attend meetings with Contractor, such as preconstruction conferences, progress meetings, job conferences and other project-related meetings, and circulate copies of minutes thereof.
- iii. Liaison:
 1. Serve as ENGINEER's liaison with Contractor, working principally through Contractor's authorized representative, assist in providing information regarding the intent of the Contract Documents.
 2. Assist ENGINEER in serving as Owner's liaison with Contractor when Contractor's operations affect OWNER's on-site operations.
 3. Assist in obtaining from OWNER additional details or information, when required for proper execution of the Work.
- iv. Interpretation of Contract Documents: Report to ENGINEER when clarifications and interpretations of the Contract Documents are needed and transmit to Contractor clarifications and interpretations as issued by ENGINEER.
- v. Shop Drawings and Samples:
 1. Record date of receipt of Samples and approved Shop Drawings.
 2. Receive Samples which are furnished at the Site by Contractor, and notify ENGINEER of availability of Samples for examination.
- vi. Modifications: Consider and evaluate Contractor's suggestions for modifications in Drawings or Specifications and report such suggestions, together with RPR's recommendations, to ENGINEER. Transmit to Contractor in writing decisions as issued by Engineer.
- vii. Review of Work and Rejection of Defective Work:
 1. Conduct on-site observations of Contractor's work in progress to assist ENGINEER in determining if the Work is in general proceeding in accordance with the Contract Documents.

TASK ORDER

2. Report to ENGINEER whenever RPR believes that any part of Contractor's work in progress will not produce a completed Project that conforms generally to the Contract Documents or will imperil the integrity of the design concept of the completed Project as a functioning whole as indicated in the Contract Documents, or has been damaged, or does not meet the requirements of any inspection, test or approval required to be made; and advise ENGINEER of that part of work in progress that RPR believes should be corrected or rejected or should be uncovered for observation, or requires special testing, inspection or approval.
3. Inspections, Tests, and System Startups:
 - a. Verify that tests, equipment, and systems start-ups and operating and maintenance training are conducted in the presence of appropriate OWNER's personnel, and that Contractor maintains adequate records thereof.
 - b. Observe, record, and report to ENGINEER appropriate details relative to the test procedures and systems start-ups.

viii. Records:

1. Record names, addresses, fax numbers, e-mail addresses, web site locations, and telephone numbers of all Contractors, Subcontractors, and major Suppliers of materials and equipment.
2. Maintain records for use in preparing Project documentation.

ix. Reports:

1. Furnish to ENGINEER periodic reports as required of progress of the Work and of Contractor's compliance with the progress schedule and schedule of Shop Drawing and Sample submittals.
 2. Draft and recommend to ENGINEER proposed Change Orders, Work Change Directives, and Field Orders. Obtain backup material from Contractor.
 3. Immediately notify ENGINEER of the occurrence of any Site accidents, emergencies, acts of God endangering the Work, damage to property by fire or other causes, or the discovery of any Hazardous Environmental Condition.
- x. Payment Requests: Review Applications for Payment with Contractor for compliance with the established procedure for their submission and forward with recommendations to ENGINEER, noting particularly the relationship of

TASK ORDER

the payment requested to the schedule of values, Work completed, and materials and equipment delivered at the Site but not incorporated in the Work.

- xi. Certificates, Operation and Maintenance Manuals: During the course of the Work, verify that materials and equipment certificates, operation and maintenance manuals and other data required by the Specifications to be assembled and furnished by Contractor are applicable to the items actually installed and in accordance with the Contract Documents, and have these documents delivered to ENGINEER for review and forwarding to OWNER prior to payment for that part of the Work.
- xii. Completion:
 1. Participate in a Substantial Completion inspection, assist in the determination of Substantial Completion and the preparation of lists of items to be completed or corrected.
 2. Participate in a final inspection in the company of ENGINEER, OWNER, and Contractor and prepare a final list of items to be completed and deficiencies to be remedied.
 3. Observe whether all items on the final list have been completed or corrected and make recommendations to ENGINEER concerning acceptance and issuance of the Notice of Acceptability of the Work.

B. The RPR shall not:

- 1) Authorize any deviation from the Contract Documents or substitution of materials or equipment (including "or-equal" items).
- 2) Exceed limitations of ENGINEER's authority as set forth in the Contract Documents.
- 3) Undertake any of the responsibilities of Contractor, Subcontractors, Suppliers, or Contractor's superintendent.
- 4) Advise on, issue directions relative to, or assume control over any aspect of the means, methods, techniques, sequences or procedures of Contractor's work unless such advice or directions are specifically required by the Contract Documents.
- 5) Advise on, issue directions regarding, or assume control over safety practices, precautions, and programs in connection with the activities or operations of OWNER or Contractor.
- 6) Participate in specialized field or laboratory tests or inspections conducted off-site by others except as specifically authorized by ENGINEER.

TASK ORDER

- 7) Accept Shop Drawing or Sample submittals from anyone other than Contractor.
- 8) Authorize OWNER to occupy the Project in whole or in part.

TASK 3: MATERIALS TESTING AND SPECIAL INSPECTIONS

- A. ENGINEER will contract a Testing and Inspection firm to complete concrete testing, soils testing, and Special Inspections as necessary to meet the requirements of the Contract Documents.
- B. ENGINEER will contract a Dive Inspection firm to complete underwater marine structure inspection as necessary to meet the requirements of the Contract Documents.
- C. Field and laboratory services performed by the Testing and Inspection firm will be billed to the OWNER at direct cost under an Allowance for this item.
- D. Final allowance will be adjusted up or down by Addendum to reflect actual final cost of field and laboratory services

3. Owner's Responsibilities

- A. Owner shall be responsible for issuing Notice to Proceed to Engineer.
- B. Owner shall have those responsibilities set forth in Article 2 and in Exhibit B of the Agreement.

4. Times for Rendering Services

- A. This Amendment is based on a construction contract duration of 8 months from Notice to Proceed to Final Completion. The scope of services and price will have to be adjusted by Amendment if the construction contract duration varies from this assumption.
- B. This Amendment is based on the Owner's Authorized Representative being on site as stated in Task 2A above.
- C. Preparation of As-Built drawings based on red-line drawings provided by the Contractor: As-Built drawings will be provided eight (8) weeks following receipt of all red-line drawings from the Contractor.

5. Payments to Engineer

- A. Owner shall pay Engineer for services rendered as follows:

TASK ORDER

<i>Category of Services</i>	<i>Compensation Method</i>	<i>Estimate of Compensation for Services</i>
<i>Basic Services</i>	<i>Rate Schedule</i>	<i>\$1,545,009</i>

B. The terms of payment are set forth in Article 4 of the Agreement and in Exhibit C.

6. **Consultants:** Engineer will utilize the following Consultants for portions of this Task Order:

Fugro Marine Geoservices, Inc.
Marine Geotechnical Services

Brierley Associates
HDD Inspection and Oversight Services

Marine Technologies, Inc, or equal
Dive Inspection

Longitude 123, Inc.
Marine Inspection and Oversight Services

eTrac Inc., or equal
Marine Hydrographic Survey

7. **Other Modifications to the Agreement:**

A. The limit of liability for this task order is \$2,000,000 U.S. currency.

8. **Attachments:** Not Used.

9. **Documents Incorporated By Reference:** Not Used.

TASK ORDER

Terms and Conditions: Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is August 29, 2017.

OWNER: CITY OF REHOBOTH BEACH

ENGINEER: GHD INC.

By: [Signature]

By: [Signature]

Name: SHARON LYNN

Name: Harry J. Sturdevant

Title: City Manager

Title: Principal

Engineer License or Firm's Certificate No. 30016

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: _____

Name: Harry J. Sturdevant

Title: _____

Title: Principal

Address: _____

Address: 16701 Melford Boulevard
Suite 330
Bowie, MD 20715

E-Mail Address: _____

E-Mail Address: jeff.sturdevant@ghd.com

Phone: _____

Phone: 240-206-6842

Fax: _____

Fax: 240-206-6811

GHD

Date 8/29/2017

Rehoboth Beach Ocean Outfall

Construction Phase Engineering Support Services

Task Order 21

	RESPONSIBILITY	RATE	Task 1: CE/CM SERVICES		Task 2: CI SERVICES		TOTAL		
			HOURS	COST TOTAL	HOURS	COST TOTAL	HOURS	COST TOTAL	
CONSTRUCTION ENGINEERING SERVICES	Project Dir/Principal Manager	235.00	250	58,750			250	58,750	
	Principal	220.00	487	107,140	50	11,000	537	118,140	
	Senior Project Manager	195.00							
	Senior Engineer II	180.00	100	18,000	440	79,200	540	97,200	
	Project Manager I/Senior Eng I	160.00	1,085	173,600	120	19,200	1,205	192,800	
	Project Engineer II	145.00							
	Project Engineer I	135.00							
	Engineer III	125.00	1,330	166,250			1,330	166,250	
	Engineer II	110.00							
	Engineer I	95.00							
	CAD Manager	135.00	72	9,720			72	9,720	
	Designer	95.00	88	8,360			88	8,360	
	Drafter	75.00							
	Senior Tech	112.50							
	Administrative Assistant	81.00	90	7,290			90	7,290	
	Resident Project Representative	140.00			1,145	160,356	1,145	160,356	
	Resident Project Representative	140.00			1,090	152,628	1,090	152,628	
	TOTAL LABOR COST			3502	\$549,110	2846	\$422,384	6348	\$971,494
	A. Travel								
	Mileage	0.535	3,520	1,883	3,200	1,712	6,720	3,595	
	Airfare / Car Rental	LS			1	5,000		5,000	
	Overnights	125			536	67,000	536	67,000	
	B. Printing								
	Copy Center	\$0.05							
	Copiers	\$0.15	19,000	2,850	10,000	1,500	29,000	4,350	
	Drawings	\$1.25	220	275			220	275	
	C. Postage	LS							
D. Equipment/Misc/Travel	LS				5,500		5,500		
F. Dive Inspection	LS				198,000		198,000		
Fugro	LS		38,500		115,500		154,000		
Brierley	LS		14,795		121,600		135,795		
TOTAL OTHER DIRECT COSTS				\$58,303		\$515,212		\$573,515	
TOTAL COST FOR DESIGN				\$607,413		\$937,596		\$1,545,009	

This is **EXHIBIT K**, consisting of 2 pages, referred to in and part of the **Agreement between Owner and Engineer for Professional Services – Task Order Edition** dated March 5, 2010.

Amendment No. 2 To Task Order No. 14

1. Background Data:

- a. Effective Date of Task Order Agreement: March 9, 2015
- b. Owner: City of Rehoboth Beach
- c. Engineer: GHD Inc.
- d. Specific Project: City of Rehoboth Beach Wastewater Treatment Plant Effluent Pumping Station and Forcemain

2. Description of Modifications

a. Engineer shall perform the following Additional Services:

- 1) Design of New Pumping Station.
 - a) Perform additional analysis of tidal data to confirm basis of design.
 - b) Modify design to increase depth of wet well to provide more pump operational flexibility.
 - c) Perform geotechnical and structural evaluation to determine if piles can be eliminated as a cost savings measure, due to increased depth of wet well.
- 2) DNREC Coordination.
 - a) Coordinate with DNREC to expedite submittal review for permit approval.
- 3) Assisting in preparation and attendance at miscellaneous meetings including:
 - a) DNREC Secretary Meeting
 - b) City/County Meeting
 - c) City Commissioners Meetings
 - i. Bid Results and County/City Agreement
 - ii. Lowest Bidder Notice of Award Decision
 - iii. Construction Engineering/Inspection Services Budget Meeting
 - d) Water Infrastructure Advisory Council Meeting

3. Task Order Summary (Reference only)

a. Original Task Order amount:	\$ 227,759.00
b. Amendment No. 1:	\$ 65,373.00
c. This amendment amount:	\$ 17,720.00
<hr/>	
d. Adjusted Task Order amount:	\$ 310,852.00

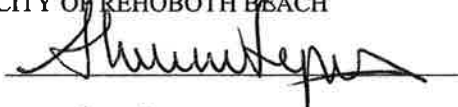
The foregoing Task Order Summary is for reference only and does not alter the terms of the Task Order, including those set forth in Exhibit C.

Owner and Engineer hereby agree to modify the above-referenced Task Order as set forth in this Amendment. All provisions of the Agreement and Task Order not modified by this or previous Amendments remain in effect. The Effective Date of this Amendment is August 29, 2017.

OWNER: CITY OF REHOBOTH BEACH

ENGINEER: GHD INC.

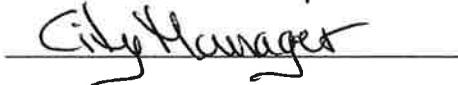
By:



By:


Harry J. Sturdevant

Title:

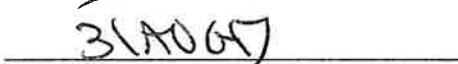


Title:

Vice President

Date

Signed:



Date

Signed:

8/29/17

GHD

Date 8/24/2017

Rehoboth Beach WWTP - Effluent Pumping Station

Amendment No. 2

Engineering Services Proposal (Additional Scope)

	RESPONSIBILITY	RATE	DESIGN SERVICES		
			HOURS	COST TOTAL	
ENGINEERING SERVICES	Project Dir/Principal Manager	235.00	1	\$235	
	Principal	220.00		\$0	
	Senior Project Manager	195.00	20	\$3,900	
	Senior Engineer II	180.00		\$0	
	Project Manager I/Senior Eng I	160.00	12	\$1,920	
	Project Engineer II	145.00	46	\$6,670	
	Project Engineer I	135.00		\$0	
	Engineer III	125.00	24	\$3,000	
	Engineer II	110.00		\$0	
	Engineer I	95.00		\$0	
	CAD Manager	135.00		\$0	
	Designer	95.00	21	\$1,995	
	Drafter	75.00		\$0	
	Senior Tech	112.50		\$0	
	Administrative Assistant	81.00		\$0	
		TOTAL LABOR COST		124	\$17,720
		A. Travel			
	Mileage	0.555		\$ -	
	Airfare / Car Rental	LS		\$ -	
	Overnights			\$ -	
	B. Printing				
	Copy Center	\$0.05		\$ -	
	Copiers	\$0.15		\$ -	
	Drawings	\$1.25		\$ -	
	C. Postage	LS			
	D. Equipment/Misc/Travel			0	
	F. Subcontractors				
				\$ -	
	TOTAL OTHER DIRECT COSTS			\$0	
	TOTAL COST FOR DESIGN			\$17,720	

