

**ADDENDUM NO. 1
T&H J#28283.0000**

**CU-ICAR TECHNOLOGY NEIGHBORHOOD 3
MASS GRADING IMPROVEMENTS**

July 9, 2020

OPENING DATE: July 14, 2020 AT 3:00 PM - UNCHANGED

This Addendum #1 contains answers to all questions received up to July 7, 2020. In addition, the Addendum contains revised Plan Sheets and Bid Form along with clarifications for the plan revisions. The Bidder shall acknowledge Addendum No.1 with date of issuance on the bid form.

PART I – CLARIFICATIONS:

One main item to note is that the pond outfall structure and pond outfall pipe have been changed from corrugated metal pipe (CMP) to reinforced concrete pipe (RCP). A sand filter underdrain system has been added into the plans and is to be installed in the bottom of the detention pond once the site meets final stabilization. The entire pond bottom is to be sodded. The Plans and Bid Form have been revised to incorporate these revisions.

PART II – QUESTIONS:

Question 1: Does the “Bidders Qualification” section need to be turned in with the bid or can it follow within 5 days of an apparent low bid?

Answer 1: The Bidders Qualification section can be provided after bid, upon request by the Owner.

Question 2: Should the entire site be respread with topsoil and seeded at the end of the project?

Answer 2: Yes, the entire site is to have topsoil respread and permanently seeded.

Question 3: Can excess topsoil be stockpiled onsite or wasted onsite by placing in fill slopes or thickening up the respreads.

Answer 3: Topsoil can be placed in non-structural fill slopes if blended at the direction of Third Party Testing agency which will be onsite for construction materials testing.

Question 4: Am I correct in my understanding that payment will be made on a lump sum contract? The bid form quantities are for info purposes only?

Answer 4: The contract for the project is lump sum, with unit prices for estimating purposes. The unit prices for rock excavation and unsuitable material are included to establish a unit price in the event that such items are encountered on the project. If rock or unsuitable material are encountered, these items will be paid for on a unit price basis.

Question 5: Should the unit prices for mass rock and trench rock be figured assuming that the rock will be wasted on site?

Answer 5: If rock is encountered onsite, the rock is to be removed and disposed of offsite. Removal/disposal of rock is to be included in the unit price associated for each item.

Question 6: Should the unsuitable material unit price be figured that the material will be wasted onsite and replaced with onsite material?

Answer 6: The unit price for unsuitable material is to include removal and disposal of unsuitable material offsite, and replaced with suitable material from an onsite borrow location.

Question 7: Is the RCP supposed to be standard tongue and groove or O-ring gasket? The specs show both options.

Answer 7: O-Ring RCP is to be used in the pond, tongue and groove RCP can be used in other locations.

Question 8: The specs also show wrapping each storm pipe join with a 2' wide piece of filter fabric. Is this going to be enforced?

Answer 8: Wrapping the tongue and groove joints with geotextile fabric will not be required given the soil conditions onsite.

Question 9: Can we use ADS HP Storm Pipe as an alternative to RCP? We will still plan on using RCP with gaskets for the pond outfall.

Answer 9: ADS HP Storm Pipe can be used in locations outside of the detention pond. ADS HP Storm Pipe is to be installed in accordance with attached installation guide from ADS.

Question 10: The bid form shows slope drains as a line item but I cannot find them on the plans. Will some be added?

Answer 10: Slope drains are used in the Initial Erosion Control Plan for diverting runoff to the sediment basin until permanent storm lines and inlets are installed, see Sheet EC1.

Question 11: The plans show a Flared End Section for the pond outfall with Corrugated Metal Pipe. Since this will not work, should we just assume using a headwall?

Answer 11: The pond outfall pipe has been changed from 73 LF of 24" CMP to 73 LF of 36" O-Ring RCP. Bid Items 7&9 have been revised on the Bid form.

Question 12: On the unit prices for mass rock, and unsuitable material...are we to assume that the excess is to be removed from the site and that it has to be replaced with offsite borrow? Having to export everything will drive the costs up unless we can find somewhere to lose it on site. If we try to use extra material on site, it will drastically reduce import costs as well.

Answer 12: See items 5 & 6 above, waste material is disposed of offsite, and suitable material can be borrowed from an onsite location determined by the Owner.

Question 13: Are we allowed to balance the site to avoid stockpiling or exporting materials?

Answer 13: The areas south of the Innovation Drive curb cut into the site can be brought up, as necessary, to balance the earthwork. Contractor is to coordinate grade revisions with the Engineer prior to commencement of grading.

Question 14: Is the bid price for silt fence to include removal of silt fence?

Answer 14: Yes, price for silt fence should include cost for removal once project is stabilized.

PART III – PLANS:

In addition to amending the pond outfall pipe from 24" CMP to 36" O-Ring RCP, the outfall structure has also been modified. The material of the outfall structure has been modified from corrugated metal to reinforced concrete, shape has been revised from 42" diameter to 48"x48" square, and the invert has been lowered from elevation 906.00 to 903.75 to account for a sand filter system to be installed in the bottom of the pond. Sand filter details have been added on

new Plan Sheet C1.5. To reduce sediment transfer into the sand filter, sod will be required over the entire bottom of the pond. The downstream invert of the pond outfall pipe has been lowered from elevation 905.00 to 903.00. Revisions to the following plan sheets have been made in accordance with the revisions listed above.

Plans Sheets EC1.1, EC2.1, EC3.1, EC4.2, C1.1, C1.3, and C1.4 have been modified. Updates include:

EC1.1 – Initial Erosion Control Plan - Minor revisions at pond outfall pipe for grading, silt fence and LOD associated with lowering invert.

EC2.1 – Intermediate Erosion Control Plan - Minor revisions at pond outfall pipe for grading, silt fence and LOD associated with lowering invert.

EC3.1 – Final Erosion Control Plan - Minor revisions at pond outfall pipe for grading, silt fence and LOD associated with lowering invert. Note to install sand filter system once all disturbed areas are stabilized.

EC4.2 – Erosion Control Details - Modifications to Riser Structure detail and Pond 1 Section View Detail.

C1.1 – Grading and Drainage Plan - Add sand filter to bottom of pond, grade changes at sand filter area for flat 25'x25' area, revised size and material of outfall structure and outfall pipe, grade changes at end of pond outfall pipe, lower invert of control structure, lower downstream invert of pond outfall pipe.

C1.3 – Drainage Profiles - Revised Pond Outfall pipe profile and revised pipe size and material.

C1.5 – Grading and Drainage Details – Added Plan Sheet for Sand Filter Details.

PART IV – CONTRACT DOCUMENTS:

SECTION 00313 – BID FORM:

Delete the previous Bid Form and replace with the revised Bid Form attached showing **Addendum No. 1** in the header footer in red text. **Note: This Bid Form must be the version submitted with the bid proposal.** The bid items and quantities were revised as described in Part III of the Addendum. Note that pond outfall pipe was changed from 24" CMP to 36" O-Ring RCP, one 24" FES was removed and added to 36" FES, "Temporary CMP" was removed from Bid Item 11, and Bid Item 30 was added for Sand Filter System

Enclosures:

Revised Section 00313 - Bid Form
ADS HP Storm Pipe Installation Guide
Addendum No. 1 Revised Plans – Full Set

END ADDENDUM NO. 1

Dated: July 9, 2020

Please acknowledge receipt of Addendum No. 1 by placing Addendum number and date of issuance on revised Bid Form.

DOCUMENT 00313

BID FORM

**PROJECT IDENTIFICATION: Mass Grading Improvements for
CUICAR Technology Neighborhood 3**

T&H Project No.: 28283.0000

THIS BID IS SUBMITTED TO: LICAR, LLC

1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an agreement with OWNER in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Bid Price and within the Bid Times indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.
2. BIDDER accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the day of Bid opening, or for such longer period of time BIDDER may agree to in writing upon request of OWNER.
3. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:
 - a. BIDDER has examined and carefully studied the Plans and Specifications for the work and contractual documents relative thereto, and has read all Technical Provisions, Supplementary Conditions, and General Conditions, furnished prior to the opening of Bids and can fulfill the requirements of the work to be performed.
 - b. BIDDER further acknowledges hereby receipt of the following Addenda:

ADDENDUM NO.	DATE

- c. BIDDER has visited the site and become familiar with and is satisfied as to the general, local and site conditions possibly affecting cost, progress, performance and furnishing of the Work.
- d. BIDDER is familiar with and is satisfied as to all federal, state, and local Laws and Regulations possibly affecting cost, progress, performance and furnishing of the Work.

- e. BIDDER has carefully studied all reports of explorations and tests of subsurface conditions at or contiguous to the site and all drawings of physical conditions in or relating to existing surface or subsurface structure at or contiguous to the site (except underground Facilities) have been identified in the Supplementary Conditions. BIDDER acknowledges such reports and drawings are not Contract Documents and may not be complete for BIDDER's purposes. BIDDER acknowledges OWNER and Engineer do not assume responsibility for the accuracy or completeness of information and data shown or indicated in the Bidding Documents with respect to Underground Facilities at or contiguous to the site. BIDDER has obtained and carefully studied (or assumes responsibility for having done so) all such additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the site or otherwise which may affect cost progress, performance or furnishing of the work or which relate to any aspect of the means, methods, techniques, sequences and procedures of construction to be employed by BIDDER and safety precautions and programs incident thereto. BIDDER does not consider any additional examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance and furnishing of the Work in accordance with the times, price and other terms and conditions of the Bidding Documents.
 - f. BIDDER is aware of the general nature of Work to be performed by Owner and others at the site relating to Work for which this Bid is submitted as indicated in the Bidding Documents.
 - g. BIDDER has correlated the information known to BIDDER, information and observations obtained from visits to the site, reports and drawings identified in the Bidding Documents and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.
 - h. BIDDER has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies BIDDER has discovered in the Bidding Documents and the written resolution thereof by ENGINEER is acceptable to BIDDER. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work for which this Bid is submitted.
 - i. This bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.
4. BIDDER will complete the Work in accordance with the Contract Documents for the following price(s):

BASE BID PROPOSAL

Item	Description	Quantity	Units	Unit Price	Total
1	Clearing & Grubbing	23	AC		
2	Demolition of Existing Sanitary Sewer	1	LS		
3	Earthwork	1	LS		
4	36" RCP	367	LF		
5	30" RCP	169	LF		
6	24" RCP	110	LF		
7	36" O-Ring RCP	73	LF		
8	18" RCP	410	LF		
9	36" Flared End Section	3	EA		
10	24" Flared End Section	2	EA		
11	Outlet Structure with Filter Berm and Forebay	1	EA		
12	Junction Box	2	EA		
13	Roof Inlet	6	EA		
14	Emergency Spillway for Pond 1	1	EA		
15	12" Temporary Slope Drains	70	LF		
16	Sediment Marker	1	EA		
17	Temporary Skimmer (complete configuration)	1	EA		
18	Porous Baffles	167	LF		
19	Rip Rap with Filter Fabric	106	SY		
21	Silt Fence	4,000	LF		
22	Construction Entrance	1	EA		
23	Concrete Washout	1	EA		
24	Stone Check Dam	17	EA		
25	Rock Sediment Dike	1	EA		
26	Erosion Control Matting Blanket	13,000	SY		
27	Type "C" Inlet Protection	5	EA		
28	Type "F" Inlet Protection	4	EA		
29	Grassing	23	AC		
30	Sand Filter System (complete with PVC underdrains, sand media, and sod for bottom of pond)	1	LS		
TOTAL PROJECT:					

LUMP SUM BID

LUMP SUM BID PRICE: _____

(Use words)

(\$ _____)

(Figures)

In addition to the Lump Sum Base Bid Line Items, the following will be used for establishing a unit price for listed items if encountered during construction.

Item	Description	Units	Unit Price
1	Mass Rock Excavation	CY	
2	Trench Rock Excavation	CY	
3	Unsuitable Material	CY	

5. BIDDER agrees the Work will be substantially complete within 92 calendar days after the date when the Contract Times commence to run as provided in paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with paragraph 14.07 of the General Conditions within 122 calendar days after the date when the Contract Times commence to run.
6. BIDDER accepts provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within times specified in the Agreement. Liquidated Damages for the project are \$200 for each day expiring after the time specified in paragraph 3.1 of the Agreement.
7. The following documents are attached to and made a condition of this Bid:
 - a. Required Bid Security in the form of 5 percent of the Bid Total Price.
 - b. A tabulation of Subcontractors, Suppliers and other persons and organizations required to be identified in this Bid.
 - c. Required BIDDER's Qualification Statement with supporting data.
8. The undersigned further agrees in case of failure on his/her part to execute the said contract and the Bond within 15 consecutive calendar days after written notice being given of the award of the contract, the check or bid bond accompanying this bid, and the monies payable thereon shall be paid into the funds of the Owner as liquidated damages for such failure, otherwise, the check or bid bond accompanying this proposal shall be returned to the undersigned.
9. Communications concerning this Bid shall be addressed to:

Thomas & Hutton
501 River Street, Suite 200
Greenville, SC 29601

Attn: Ryan Page
page.r@tandh.com
864-412-2217

- 10. Terms used in this Bid which are defined in the General Conditions or Instructions will have the meanings indicated in the General Conditions of Instructions.

SUBMITTED on _____, 2020.

CONTRACTOR'S NAME

ADDRESS:

BY: _____

State Utility Contractor License No. _____ SC