

SAVANNAH, CHATHAM COUNTY, GEORGIA

WHEREAS, Technical College System of Georgia, hereinafter referred to as the State, the developer of Quickstart, located within the **CROSSROADS WQCP SERVICE AREA**, as shown on the attached drawing entitled Quickstart Off-site Water Main Service prepared by Hussey Gay Bell and dated September 29, 2016 scale 1" = 300', desires certain commitments from the City of Savannah, hereinafter referred to as the City, in regard to extending and making additions to existing water systems, or in regard to the construction of water distribution systems to serve said development, and

WHEREAS, the engineering design for said water systems has been, or will be, accomplished by competent professional engineers registered in the State of Georgia, and bids for the construction of said systems has been or will be requested;

IT IS AGREED between the parties hereto that the City shall approve the designation of the engineer who shall be responsible for the engineering design and inspection in connection with the installation of the said water system. The State shall be responsible to provide resident inspection during construction and to ensure the engineer's conformance to area planning, adequacy of design, and conformance to City requirements regarding location, size and depth of lines, capacity and arrangement of lift stations and quality of construction. The State shall provide to the City a statement from the project engineer certifying that the materials and workmanship including pipes, bedding, thrust blocks, valves, fire hydrants, manholes and other related materials and work meet the City's specifications and standards. Upon request of the City, the certification shall be substantiated by material affidavits from suppliers and by applicable test results for inflow/infiltration, exfiltration, deflection, pressure, leaks, bacteria, compaction and other tests required by the City. All construction, engineering and inspection cost in connection with these systems shall be borne by the State.

IT IS FURTHER AGREED that this agreement shall contain the following special

conditions/requirements:

1. Exhibit A provides a detailed cost estimate for the City cost shared of 24" offsite waterline with a "not to exceed amount" of \$1,020,113. Any amount above this "not to exceed figure" will not be the responsibility of the city to pay.
2. Exhibit B shows proposed systems with City cost shared portion as described in item 1 highlighted.
3. The State, by and through the Georgia State Financing and Investment Commission (GSFIC), will execute the agreement then the City will place it on the Council Agenda for approval.
4. At least two bids shall be received for the proposed work.
5. The state will fund and construct of the offsite 24" water line and City will reimburse the State (based on the amount specified in the executed agreement) when the project is constructed, inspected and accepted by the City. The pay request for the reimbursement shall be accompanied by original copies of the invoices.
6. City will not cost share any other portion of the project except what is described in item 1.
7. The State would pay for design, permitting, project inspection and construction administration of offsite water line. A portion of this will be reimbursed per item 1.
8. An executed Restrictive Covenant will be provided for the owner maintained and operated grinder station and force main.
9. Any development which requires sanitary sewer main extension and/or involve storm sewer conduits will require televising by the City of Savannah televising crew. In accordance with the City of Savannah Televising Procedure Manual, the charge will be \$.85 per linear foot. This fee will be paid to the City of Savannah in addition to those fees as described in the most recent edition of the City of Savannah Revenue ordinance.

IT IS FURTHER AGREED that the State shall render the City harmless for any claims and damages due to the work associated with the tie-on to existing sanitary sewers.

IT IS FURTHER AGREED that upon completion of the systems and all related facilities including water and sewage fees fully paid for by the State, except the sewer treatment facility and the water supply facilities, and the provision of two copies of "as builts" drawings on Chronoflex Mylar, the City will, subject to approval of the City Manager, accept title hereto and assume responsibility for maintenance and operation of those portions located within public easements or rights-of-way. This acceptance shall include all rights, title and interest that the State has in the water and sanitary sewer systems serving the said project and also easements and/or rights-of-way required for the purpose of maintenance thereof.

IT IS FURTHER AGREED that the State will provide to the City a recordable plat(s) showing all utilities within public easements and/or rights-of-way to be owned and maintained by the City. This document shall be provided prior to construction. Should installation deviate from the original recordable plat, the State will provide to the City a revised recordable plat showing all utilities in public easements and rights-of-way. Should the State fail to provide the revised plat, the City will not release the project nor will a Certificate of Occupancy or water meter be issued.

IT IS FURTHER AGREED that as development proceeds under the terms of this agreement, and prior to occupancy, there will be a sanitary sewer tap-in fee paid to the City for each residential or equivalent residential unit, and there shall be a separate water meter installed and a water tap-in fee and a water meter installation fee paid for each residential or equivalent residential unit based on those fees in effect at the time of the water and/or sewer connection, or as provided in the Revenue Ordinance.

IT IS FURTHER AGREED that the State shall pay to the City a proportionate share of the capital cost for expanding the wastewater treatment and/or transport facilities and of meeting discharge requirements as established by the Georgia Environmental Protection Division. The cost per residential or equivalent residential unit shall be \$4,780.00 for the Crossroads WQCP , or as provided for in the Revenue Ordinance, whichever is greater. Water meters will not be installed

until all fees are paid.

IT IS FURTHER AGREED that this agreement between the City and the State may not be transferred or assigned in whole or in part without prior approval of the City being endorsed thereon, and that any violation of this limitation shall terminate the City's obligation and forfeit the State's rights thereunder.

IT IS FURTHER AGREED that all provision of law now or thereafter in effect relating to water and sewer service by the City of Savannah shall be applicable to this agreement.

IT IS FURTHER AGREED that this agreement shall finally terminate five (5) years after date of execution, after which the City shall not be liable for any further obligation thereunder. On this basis, this agreement shall expire _____, 2____.

IN WITNESS WHEREOF, the State has executed these presents under seal, and the City has caused these presents to be executed by its proper officer its seal, affixed, this ____ day of _____, 2____.

THE MAYOR AND ALDERMEN
OF THE CITY OF SAVANNAH

EXECUTED IN THE PRESENCE OF:

WITNESS

BY: _____
CITY MANAGER

NOTARY PUBLIC
Chatham County, Georgia

ATTEST: _____
CLERK OF COUNCIL

TECHNICAL COLLEGE SYSTEM OF GEORGIA

EXECUTED IN THE PRESENCE OF:

Jan Hysell
WITNESS

BY: *Gretchen K. Corbin*
GRETCHEN K. CORBIN, COMMISSIONER

Eric H. Bryant
NOTARY PUBLIC

ATTEST: *Laura Leigh Van*

(SEAL, if Incorporated)

EXHIBIT A

QuickStart Off-Site Water Main Service Budget

January 23, 2017 (Revised February 2, 2017)

EXHIBIT A Detailed Cost Estimate for the City cost shared of 24" offsite waterline

Construction Cost

TB Landmark Bid	\$932,935	
DPR Construction Markups, Fees, OH	\$206,969	
Less Cost for 8" on State Property (from property line to driveway)	-\$187,459	
TOTAL for Construction		\$952,445

Design and CA

HGBD Construction Contract Administration Services	\$44,870	
Special Inspections	\$22,798	
TOTAL for Design and CA		\$67,668

TOTAL NOT-TO-EXCEED for Project		\$1,020,113
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EXHIBIT B Proposed systems with City cost shared portion highlighted

EXECUTIVE SUMMARY

TCSG-335 Quick Start Off Site Water Main Service

Project Information

Client	GSFIC/TCSG
Project	TCSG-335 Quick Start Pooler, GA Off Site Water Main Service
Architect	Hussey Gay Bell
Estimator	AMA/ML/JR
Estimate Id	2016-009
Project Duration	3 Months
Date	November 07, 2016
Building Type	

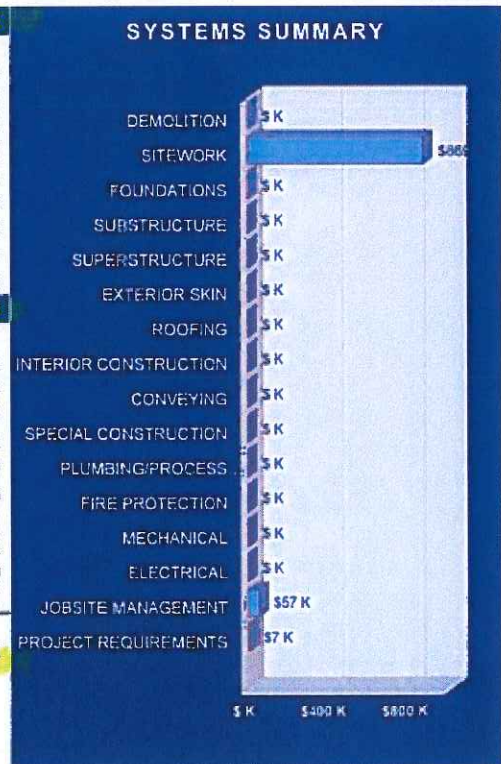
TCSG-335 QUICKSTART
OFF-SITE WATER MAIN SERVICE
POOLER, GEORGIA
TECHNICAL COLLEGE SYSTEM OF GEORGIA

Construction Area 2,800 lf

PRELIMINARY

Project Costs Summary

PROJECTED CONSTRUCTION COSTS	\$333.19 / lf	\$932,935
Design Contingency	\$0.00 / lf	\$0
Construction Contingency	\$0.00 / lf	\$0
GC Insurance: Traditional	\$0.00 / lf	\$0
Builders Risk	\$0.00 / lf	\$0
Permits & Fees	\$0.00 / lf	\$0
Gross Receipts Tax	\$0.00 / lf	\$0
SDI Insurance	\$0.00 / lf	\$0
Payment & Performance Bond	\$0.00 / lf	\$0
Fee	\$0.00 / lf	\$0
TOTAL	\$333.19 / lf	\$932,935
Cost of Work Items (not in TB Landmark Proposal)	\$	33,450
DPR General Conditions	\$	56,899
DPR General Requirements	\$	6,770
DPR Construction Contingency	\$	30,902
DPR GC Insurance	\$	12,539
DPR Builders Risk Insurance	\$	1,596
DPR Gross Receipts Tax	\$	171
DPR SDI Insurance	\$	13,792
DPR Payment & Performance Bond	\$	9,119
DPR Fee	\$	41,731
Total		\$1,139,904





BASIS OF ESTIMATE

The Basis of Estimate is a written explanation clarifying the assumptions and exclusions used in establishing the quantified estimate dated Monday, November 7, 2016. The detailed estimate is the primary representation of the project.

The QuickStart Regional Training Center is a ground-up manufacturing regional training center comprising of 47,462 GSF. The building is situated on approximately 19 acres of wooded land in Pooler, Georgia. The training Center will house laboratory spaces, computer labs, classrooms, meeting rooms, administrative spaces and all associated support spaces. Specifically, the building is designed to house space and equipment to deliver customized training in all core and emerging technologies in advanced manufacturing, such as mechatronics, control systems, automation and robots, industrial technologies and networked wireless systems of sensors, software, equipment, and operations controls. It will be operated by Georgia QuickStart, an arm of the Technical College System of Georgia, which has proven experience in building and operating state-of-the-art training centers for world-class companies.

In order to provide water service for this building, it is necessary to extend the water main, located East of the QuickStart site, approximately 2,800 feet along Pine Meadow Road. A new 24" dia water main will extend from its existing termination point adjacent to the Mitsubishi plant to the entry drive of the Quick Start site. A combination of open cut trenching and underground directional boring will be required to install the water main.

DPR Construction has utilized the following documents and information in preparing this estimate:

- QuickStart Off-Site Water Main Service Preliminary Drawings as prepared by Hussey Gay Bell dated September 2016
- Quickstart Off-Site Water Main Service Contract Documents and Specifications as prepared by Hussey Gay Bell dated September 2016
- Bid Proposal Form as prepared by Hussey Gay Bell issued September 29, 2016

Following a joint review and reconciliation, budget modifications can be made to better serve your needs.

VALUE ENGINEERING

Value Engineering suggestions are not offered with this proposal. At the direction of the Owner, DPR can review the documents for Value Engineering opportunities.

ALLOWANCES

"Owner's Allowances" (sometimes also referred to in contract documents as "allowances" or "Allowances") are amounts included in the estimated cost of the Work for a particular system or scope of work for which sufficient detail is not available in the design documents at the time of the GMP for the Contractor to determine a definitive cost. Owner's Allowances included in the estimated cost of the Work are intended to be reasonable estimates for assumed work scopes, including all foreseeable costs, including labor, materials, equipment and subcontractor costs, plus markups/fee. If the cost of installation of the actual scope when fully designed and installed differs from the Allowance amount, the Owner's Allowance amount shall be increased or decreased by Change Order, to incorporate into the Contract Sum the price for the final scope of work. The owner receives the savings for any decrease in Owner's Allowances and shall increase the Guaranteed Maximum Price for amounts over the stated Allowance values.

Allowances are not included in this proposal.

CONTINGENCIES

1. DPR Construction recommends that team members understand and establish a definition for contingencies. We have included the following contingencies and present our definitions for these funds.



- A Design Contingency is not included.
- Construction Contingency is included at this stage of design at 3% of the Cost of Work subtotal. It is understood the use of any construction contingency shall be per 4.1.5 Contingency Costs; Contingency Fund included in the CM/GC Contract Agreement.

CLARIFICATIONS

Please note the following clarifications:

GENERAL

1. Based upon input from a Savannah based grading contractor, it is anticipated that this scope of work would take approximately 90 working days (12 weeks) to complete.
2. We have included working regular hours.
3. We include the following:
 - a) Builders Risk Insurance and responsibility for Builders Risk coverage.
 - b) State and local taxes
 - c) Subcontractor Default Insurance
 - d) Payment and Performance Bond
 - e) Blueprinting & reproduction costs.
4. We exclude the following:
 - a) LDP, fire marshal, and all other necessary permits and fees.
 - b) Impact fees.
 - c) Wetland Easement Permits.
 - d) Utility connection fees (i.e. Domestic Water, Sanitary Sewer, Storm Drain, Fire Water and Electrical).
 - e) Structural Upgrades to surrounding infrastructure.
 - f) Contaminated and hazardous materials and work related to them.
 - g) Overtime allowance.
 - h) Unforeseeable subsurface concealed conditions or any other conditions not shown on the drawings.
 - i) 3rd Party Testing and Inspections.
 - j) NPDES Monitoring

DEMOLITION

1. Demolition of existing structures, utilities, etc. is not included. Bid Documents and site survey show the area to be clear of any demolition.

SITWORK

1. We have included all costs for removal of trees, shrubs & ground covers to complete the work.
2. We have included approximately 2,800 LF of 24" water main with tie in to the existing system.
3. Connection to the existing water main assumes there is an existing stub out available.
4. Provisions for street cleanup, flagman, and traffic control have been included.
5. We have excluded the following:
 - a) Costs to demobilize and stabilize the site if Contractor is asked to stop work. If asked to stop work, the costs to stabilize and prepare the site for grassing the disturbed area and cost for demobilization shall be determined.
 - b) Phase I and Phase II Environmental Services
 - c) Identification and/or removal of existing underground utilities
6. Silt fence has been included only in the locations shown on the drawings. No additional silt fence has been included.



7. We not have included a 16"x2" wet tap valve box and marker at the sanitary sewer main as indicated. It is assumed this portion of work will be contracted under the main building scope of work.
8. The 4" RPZ Backflow in Enclosure, 3" Compound Water Meter in Vault, and 8" DDCV Backflow Preventer indicated as *Not in Contact*, have not been include in this estimate.

ELECTRICAL

1. Modifications and/or additions to site electrical infrastructure and/or lighting are not included.

COMPLETE SYSTEMS

1. Modifications and/or additions to any underground or overhead low voltage (e.g. Tele/Data) services are not included.

- END OF BASIS OF ESTIMATE -



Estimator: ML/AMA
 Date Bid Due: 10/21/2016
 Project Linear Footage: 2,900

Sitework				TB Landmark Dustin White 813 714 8757 dwhite@tblandmark.com		
Base Bid Proposal				\$		
Total Adjustments				\$	931,259	
Fully Scoped Proposal				\$	932,935	
Description	Qty	um	\$/unit	yr1 m=0 p=2	Adjustment?	Comment?
Bid per Plans and Specifications				✓		Robin Thigpen
>Drawings/Specs Dated: September 2016				✓		904-545-7365c
>Addenda Dated: None				✓		
Prequal Status?				✓		Need Pre-qual
Master Subcontract?				✗		
Completed Bid Package?				✓		
Sales Tax Included?				✓	\$	-
DPR's Insurance Req's				✓	\$	- send
Mold Insurance - Not required				✓	\$	-
Lead Time Conflicts Identified				✓	\$	-
Meet DPR's Established Schedule				✓	\$	- see below
				✓	\$	-
OFF-SITE WATER MAIN EXTENSION:				✓	\$	-
00700 - General Conditions				✗	\$	- has not seen
01002 - Special Conditions				✗	\$	- has not seen
02100 - Clearing				✗	\$	- has not seen
02200 - Earthwork				✗	\$	- has not seen
02270 - Erosion & Sedimentation Control				✗	\$	- has not seen
02485 - Grassing				✗	\$	- has not seen
02550 - Water Distribution System				✗	\$	- has not seen
02555 - Protective Coating for Existing & New Concrete & Masonry Sanitary Sewer Structures				✗	\$	- has not seen
02580 - Pipeline Installation by Directional Drilling				✗	\$	- has not seen
02750 - HDD Contractor Qualifications				✓	\$	-
15065 - Fusible Polyvinylchloride Pipe				✓	\$	-
				✓	\$	-
Miscellaneous:				✓	\$	-
- Contractor E-Verify Form & Compliance				✓	\$	- E-Verify, Yes
- Temp Toilets				✓	\$	-
- Traffic Control Measures/Signage - install, maintain, remove				✓	\$	-
Testing:				✗	\$	-
- Testing Services - by Owner				✗	\$	- by Owner
Schedule:				✓	\$	-
- Duration/Schedule for Utility Extension Work Complete		wks		✓	\$	- 90 Days
Permits, Fees & Taxes:				✓	\$	-
- Building Permit				✗	\$	-
- LDP				✗	\$	-
- Lane Closure Permits				✓	\$	-
- Include all sales tax on material - 7% Chatham County				✗	\$	-
- Wetland Easement Permit				✗	\$	- No
Survey & Layout:				✓	\$	-
- Has visited site				✓	\$	- Yes
- Include all engineered survey, staking & layout for complete project				✓	\$	-
Clearing:				✓	\$	-
- Clear and grub				✓	\$	-



Sitework

Estimator: ML/AMA
 Date Bid Due: 10/21/2016
 Project Linear Footage: 2,900

- Clear all areas w/in Easement				✓	\$	-	
- Remove all debris off-site & dispose per code				✓	\$	-	
- Furnish, Install & Maintain Tree Protection Zones				✓	\$	-	
- Remove & Replace all Fencing, Mailboxes, Landscaping, Signs, etc.				✓	\$	-	
Earthwork:				✓	\$	-	
- Strip & Stockpile topsoil				✓	\$	-	
- Respread Topsoil - 4"				✓	\$	-	
- Haul Remainder of Topsoil				✓	\$	-	
- Excavate for all new utility piping as noted				✓	\$	-	
- Include trench boxes for work				✓	\$	-	
- Backfill all pipe				✓	\$	-	
- Haul Remainder of Excavated soil off-site				✓	\$	-	
- Perform Field Density Tests per spec section 02200				✓	\$	-	
Dewatering:				✓	\$	-	
- Furnish, install, maintain & remove all temporary dewatering measures				✓	\$	-	
Erosion Control:				✓	\$	-	
- Furnish, Install, Maintain & Remove all erosion control measures				✓	\$	-	
- Silt Fence				✓	\$	-	
- Inlet protection				✓	\$	-	
- Construction Exits - as needed				✓	\$	-	
- Temp & Permanent Grassing				✓	\$	-	
- Dust Control				✓	\$	-	
- Furnish & install Sheet Piling as necessary to perform work				✗	\$	-	none required
- Furnish and install GAB as required for work				✓	\$	-	
Grassing:				✓	\$	-	
- Furnish and install final grassing at disturbed areas				✓	\$	-	
Water Distribution System/Pipe:				✓	\$	-	
- 24" RJ Ductile Iron Pipe	900	lf		✓	\$	-	
- Connect to Existing Water Main at valve in Manhole by Mitsubishi	1	ea		✓	\$	-	
- ARV (Air Release Valve) in manhole	2	ea		✓	\$	-	
- 24" Gate Valve in Manhole	2	ea		✓	\$	-	
- 24" Fire Hydrant Assembly	1	ea		✓	\$	-	
- 24" Plug	1	ea		✓	\$	-	
- 24" x 8" RJ Tee	1	ea		✓	\$	-	
- 24" x 4" RJ Tee	1	ea		✓	\$	-	
- 8" Gate Valve in Box	1	ea		✓	\$	-	
- 4" Gate Valve in Box	1	ea		✓	\$	-	
- Permanent Sampling Stations	2	ea		✓	\$	-	
Sanitary Pipe/System:				✗	\$	8,399	from Eagle
- Furnish & install 16"x2" tapping sleeve & 2" plug valve at existing sanitary main	1	ea		✗	\$	-	Not Included
- New Sanitary Manhole for tapping sleeve	1	ea		✗	\$	-	Not Included
Protective Coating for Concrete & Masonry Sanitary Sewer Structures:				✗	\$	-	Not Included
- Install protective coating at new sanitary manhole at tapping sleeve/valve				✗	\$	-	Not Included
Pipeline Installation by Directional Drilling:				✓	\$	-	
- Directional Bore 24" SDR PVC Pipe underground - 25-30' underground	1,900	lf		✓	\$	-	
- Drilling Fluid - mixture of water & bentonite clay - inert substance				✓	\$	-	
- Capture & Dispose of all excess drilling fluid				✓	\$	-	
- Subcontractor to provide all power & water necessary for operations				✓	\$	-	
Fusible Polyvinylchloride Pipe:				✓	\$	-	
- 24" SDR 18 Fusible PVC Pipe - 235 psi pressure class	1,900	lf		✓	\$	-	
- Blue color				✓	\$	-	
- Products: Fusible C-900, Fusible C-905 and FPVC -				✓	\$	-	
- Supplier is sole source - Underground Solutions, Inc. - Ponway, CA 858-679-9551				✓	\$	-	
- Lead Time on Pipe		wks		✓	\$	-	6 weeks
- Testing & Disinfecting of pipeline				✓	\$	-	
Miscellaneous Concrete & Asphalt Work/Repair:				✓	\$	-	
- Saw Cut/Demo & Repair/Replace Concrete Curb & Gutter damaged				✓	\$	-	as needed
- Saw Cut/Demo & Repair/Replace Asphalt Paving damaged				✓	\$	-	as needed



Sitework

Estimator: ML/AMA
 Date Bid Due: 10/21/2016
 Project Linear Footage: 2,900

• Re-stripe roadways as required per GDOT standards				✓	\$	-	as needed
				✓	\$	-	
BID FORM:				✓	\$	-	
1. 24" RJ DIP water main, installed by open cut w/polywrap	900	lf		✓	\$	174,432	920 Feet
2. 24" PPVC water main, installed by Horizontal Directional Drill w/out casing	1,900	lf		✓	\$	533,900	
3. Remove existing plug & connect to existing 24" water main	1	ea		✓	\$	4,050	
4. 24" gate valve, manhole & valve marker	2	ea		✓	\$	64,671	
5. Fire Hydrant Assembly, tee, valve in box, horizontal & vertical piping	1	ea		✓	\$	6,716	
6. 24" DI plug	1	ea		✓	\$	1,421	
7. Water Main Air Release valve & manhole	2	ea		✓	\$	19,428	
8. Permanent Sampling Station	2	ea		✓	\$	6,148	
9. Grassing, Fertilizing & Mulching	3,000	sy		✓	\$	4,950	
10. Construction Entrance/Exit	1	ea		✓	\$	6,399	
11. SD1-S Silt Fencing	1,000	lf		✓	\$	3,500	
12. Remove unsuitable material, dispose off-site, replace w/crushed stone	50	cy		✓	\$	3,250	
13. Remove unsuitable material, dispose off-site, replace w/approved off-site fill	150	cy		✓	\$	4,950	
14. Grading, spreading/disposal of excess excavated material, remove and replace signs, remove and replace monuments, tree protection, remove and replace trees and fence as needed, mobilization, clean-up, insurance, bonds, and other miscellaneous items not specifically listed but necessary for a complete job	1	ls		✓	\$	88,945	
Bid Bond - 5%				✗	\$	-	Not Included
Bidder's Qualification Sheet				✓	\$	-	
Tabulation of Subcontractors Used in Proposal				✓	\$	-	TD Landmark - Self Perform
Schedule of Equipment/Major Materials Included in Bid				✓	\$	-	
Certification & Execution				✓	\$	-	
Horizontal Directional Drilling Contractor Qualification				✓	\$	-	
MISCELLANEOUS							
Holisting/Equipment				✓	\$	-	
GENERAL REQUIREMENTS							
Subcontractor Textura Fee				✓	\$	1,676	
Bond Requirement	1.75%			✓	\$	-	
Adjusted Base Bid					✓	\$	932,935
Subcontractor:							TB Landmark

EXECUTIVE SUMMARY

TCSG-335 Quick Start

Off Site Water Main Service - 8" dia Pipe Option

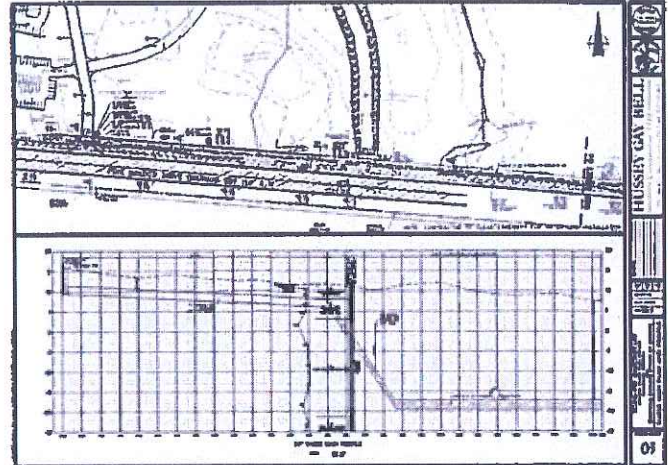
Project Information

Client **GSFIC/TCSG**
 Project **TCSG-335 Quick Start**
Pooler, GA
Off Site Water Main Service - 8" dia Pipe Option

Architect **Hussey Gay Bell**

Estimator **AMA/ML/JR**
 Estimate Id **2016-009**

Project Duration **6 Weeks**
 Date **November 07, 2016**



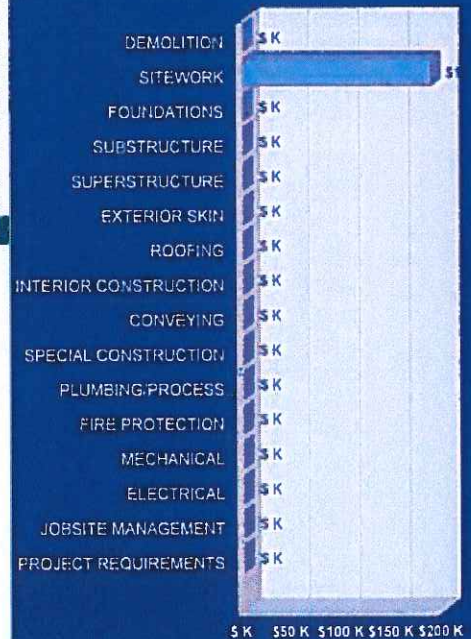
Construction Area **1,100 lf**

Building Type

Project Costs Summary

PROJECTED CONSTRUCTION COSTS	\$170.42 / lf	\$187,459
Design Contingency	\$0.00 / lf	\$0
Construction Contingency	\$0.00 / lf	\$0
GC Insurance: Traditional	\$0.00 / lf	\$0
Builders Risk	\$0.00 / lf	\$0
Permits & Fees	\$0.00 / lf	\$0
Gross Receipts Tax	\$0.00 / lf	\$0
SDI Insurance	\$0.00 / lf	\$0
Payment & Performance Bond	\$0.00 / lf	\$0
Fee	\$0.00 / lf	\$0
TOTAL	\$170.42 / lf	\$187,459

SYSTEMS SUMMARY



SYSTEMS SUMMARY

TCSG-335 Quick Start
Pooler, GA

TCSG-335 Quick Start
Off Site Water Main Service - 8" dia Pipe
Option

Estimate No.: 2016-009
Date: November 07, 2016
Construction Area: 1,100 lf

Systems Number	Description	Cost / lf	Total	
01	DEMOLITION	\$0.00 / lf	\$0	
02	SITWORK	\$170.42 / lf	\$187,459	
03	FOUNDATIONS	\$0.00 / lf	\$0	
04	SUBSTRUCTURE	\$0.00 / lf	\$0	
05	SUPERSTRUCTURE	\$0.00 / lf	\$0	
06	EXTERIOR SKIN	\$0.00 / lf	\$0	
07	ROOFING	\$0.00 / lf	\$0	
08	INTERIOR CONSTRUCTION	\$0.00 / lf	\$0	
09	CONVEYING	\$0.00 / lf	\$0	
10	SPECIAL CONSTRUCTION	\$0.00 / lf	\$0	
11	PLUMBING/PROCESS PIPING	\$0.00 / lf	\$0	
12	FIRE PROTECTION	\$0.00 / lf	\$0	
13	MECHANICAL	\$0.00 / lf	\$0	
14	ELECTRICAL	\$0.00 / lf	\$0	
15	JOBSITE MANAGEMENT	\$0.00 / lf	\$0	
16	PROJECT REQUIREMENTS	\$0.00 / lf	\$0	
TOTAL		\$170.42 / lf	\$187,459	
PROJECTED CONSTRUCTION COSTS		\$170.42 / lf	\$187,459	
	Design Contingency	0.00%	\$0.00 / lf	\$0
	Construction Contingency	0.00%	\$0.00 / lf	\$0
	GC Insurance: Traditional	0.00%	\$0.00 / lf	\$0
	Builders Risk	0.00%	\$0.00 / lf	\$0
	Permits & Fees	0.00%	\$0.00 / lf	\$0
	Gross Receipts Tax	0.00%	\$0.00 / lf	\$0
	SDI Insurance	0.00%	\$0.00 / lf	\$0
	Payment & Performance Bond	0.00%	\$0.00 / lf	\$0
	Fee	0.00%	\$0.00 / lf	\$0
TOTAL		\$170.42 / lf	\$187,459	

DETAILED BACKUP

TCSG-335 Quick Start
Pooler, GA

TCSG-335 Quick Start
Off Site Water Main Service - 8" dia Pipe
Option

Estimate No.: 2016-009
Date: November 07, 2016
Construction Area: 1,100 lf

GROUP PHASE	DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL
SITWORK						
Site Preparations						
	Temp Water & Meter Fee		1	ls	\$880.00	\$880
	Clearing		700	lf	\$27.00	\$18,900
	Strip & Respread Topsoil		700	lf	\$10.00	\$7,000
	Reshape Shoulders		700	lf	\$15.00	\$10,500
	Subtotal: Site Preparations					\$37,280
Slope Prot/Erosion Contrl						
	Dust Control & Temp Grassing		700	lf	\$5.00	\$3,500
	Permanent Grassing		700	lf	\$10.00	\$7,000
	Sweep & Clean Roadway		1	ls	\$5,200.00	\$5,200
	Subtotal: Slope Prot/Erosion Contrl					\$15,700
Surveying						
	Civil Layout		2	dy	\$980.00	\$1,960
	Subtotal: Surveying					\$1,960
Blasting						
	Rock Removal - Not Included		-	NIC	-	\$0
	Subtotal: Blasting					\$0
Base & Sub Base						
	Base, 4"		400	sf	\$6.00	\$2,400
	Subtotal: Base & Sub Base					\$2,400
Asphalt Conc Paving						
	Asphalt Paving Repair		20	sy	\$50.00	\$1,000
	Subtotal: Asphalt Conc Paving					\$1,000
Pavement Markings						
	Re-Stripe Traffic Lines		1	ls	\$250.00	\$250
	Subtotal: Pavement Markings					\$250
Curbs & Gutters						
	Remove/Replace Damaged Curb & Gutter		40	lf	\$20.00	\$800
	Subtotal: Curbs & Gutters					\$800
Water						
	8" Gate Valve, Manhole & Valve Marker		2	ea	\$5,766.00	\$11,532
	4" Pipe, PVC		20	lf	\$27.00	\$540
	8" Pipe, PVC		20	lf	\$30.00	\$600
	8" DIP Water Main, Open Cut		700	lf	\$71.00	\$49,700
	8" FPVC Water Main, Horizontal		400	lf	\$79.00	\$31,600
	Directional Boring					
	8" DI Plug		1	ea	\$1,102.00	\$1,102
	Water Main Air Release Valve & Manhole		1	ea	\$6,228.00	\$6,228
	Waterline Termination		1	ea	\$2,500.00	\$2,500



DETAILED BACKUP

TCSG-335 Quick Start
Pooler, GA

TCSG-335 Quick Start
Off Site Water Main Service - 8" dia Pipe
Option

Estimate No.: 2016-009
Date: November 07, 2016
Construction Area: 1,100 lf

GROUP PHASE	DESCRIPTION	COMMENTS	QUANTITY	UNIT	UNIT COST	TOTAL
	Misc Fittings - for 1,140 LF		1	ls	\$10,913.00	\$10,913
	Testing		1,140	lf	\$1.31	\$1,493
Subtotal: Water						\$116,208
Fire Water						
	Fire Hydrant Assembly, tee, Valve in Box, horizontal & vertical piping - 8" line		1	ea	\$6,377.00	\$6,377
Subtotal: Fire Water						\$6,377
Drywells						
	Permanent Sampling Stations		1	ea	\$5,484.00	\$5,484
Subtotal: Drywells						\$5,484
Subtotal: SITEWORK						\$187,459
SYSTEMS SUBTOTAL						\$187,459
PROJECTED CONSTRUCTION COSTS					\$170.42 / lf	\$187,459
	Design Contingency		0.00%		\$0.00 / lf	\$0
	Construction Contingency		0.00%		\$0.00 / lf	\$0
	GC Insurance: Traditional		0.00%		\$0.00 / lf	\$0
	Builders Risk		0.00%		\$0.00 / lf	\$0
	Permits & Fees		0.00%		\$0.00 / lf	\$0
	Gross Receipts Tax		0.00%		\$0.00 / lf	\$0
	SDI Insurance		0.00%		\$0.00 / lf	\$0
	Payment & Performance Bond Fee		0.00%		\$0.00 / lf	\$0
TOTAL					\$170.42 / lf	\$187,459





5700 North Harbor City Blvd.
Suite 400
Melbourne, FL 32940

MAIN 321-254-7666
FAX 321-259-4783
BRPH.com

January 20, 2017

Ms. Lyan Rivera
Project Manager
Georgia State Financing & Investment Commission
The Construction Division
270 Washington Street, Second Floor
Atlanta, GA 30334
404-357-7329
Lyan.Rivera@gsfic.ga.gov

Reference: Amendment 05 Proposal
Additional Services - Off-Site Construction Administration and Testing Services
Quick Start Regional Training Center - Pooler, Georgia
Technical College System of Georgia
BRPH No. C07132.001.00 File 1.2

Dear Lyan,

BRPH is pleased that the project is moving forward and ready start construction very soon. This proposal is to provide for the necessary Construction Administration services for the Off-Site Utilities Installation. Specifically, this proposal addresses the Construction Administration services performed by the Civil Engineer of Record, Hussey Gay Bell, and for the provision of the required Special Inspection and Material Testing Services for this project. For this project, it is understood that the Construction Value of this work is \$1,139,904.00.

ADDITIONAL PROFESSIONAL CONTRACT ADJUSTMENTS PER THIS PROPOSAL:

1. Off-Site Construction Administration by EOR

- a. Per the attached proposal, Hussey Gay Bell (EOR) of the Off-Site Water and Sewer Service Project, will provide construction administration services, provide closeout documentation and record drawings. Part of the construction administration responsibilities of this proposal are to provide construction observation during the installation of the piping. Please review the attached proposal for more information from HGB. The amount per HGB's proposal is \$44,870.00.

2. Off-Site Special Inspection and Materials Testing Services

- a. The process of selection for the Special Inspection and Materials Testing Service vendor is still in process but will be completed prior to the start of construction. As a set aside for the fees for the vendor, GSFIC guidelines are 2% of the construction value. This yields a budgetary number of \$22,798. BRPH requests this amount be added to our contract to cover the costs of this scope of work.





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Melbourne, FL 32940

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BRPH.com

PROPOSED PROFESSIONAL SERVICES FEE:

The following amounts are requested to be added to our contract for the scope of work above:

Construction Administration by EOR	\$ 44,870.00
<u>Special Inspection and Materials Testing Services</u>	<u>\$ 22,798.00</u>
Total for this Amendment	\$ 67,668.00

For the aforementioned scope of services, BRPH is requests that the proposed fee of **Sixty-Seven Thousand Six Hundred Sixty-Eight Dollars and 00 Cents (\$ 67,668.00)** be added to our current contract amount.

Thank you for considering the BRPH/HGB team for this work.

Sincerely,

Jeffrey M. Phillips, AIA LEED AP
PROJECT MANAGER, PRINCIPAL

JMP/dll

Attachments:

1. Hussey Gay Bell Revised Proposal Letter, dated 01-18-2017

Cc: John Jefferson, GSFIC
Laura Leigh Vann, TCSG
Robert Armstrong, HGB
Bill Row, BRPH



HUSSEY GAY BELL

Established 1958

7 June 2016
REVISED 11-29-16
REVISED 1-18-17

Mr. Jeffrey M. Phillips, Principal
BRPH
5700 North Harbor City Blvd., Suite 400
Melbourne, FL 32940

**RE: QUICKSTART REGIONAL TRAINING CENTER, TCSG - 335
ADDITIONAL SERVICE FEE PROPOSAL FOR OFF-SITE WATER AND
SEWER SERVICE TO SITE**

Dear Jeffrey:

Per Article 4.1 of the Architect-Consultant Agreement, HGBD is requesting additional service fees for construction phase services to extend water and sewer utility service to the site. Please recall that additional design services fees have already been approved under a separate agreement. This proposal is for construction phase services only. HGBD's scope of work includes construction administration, closeout documents, and as-builts. Our fee for construction phase services will be fixed at \$44,870.00. A detailed proposal letter is attached which describes the scope and associated fees.

Also, please note that this scope of work does not include Special Inspections as required by IBC. Special Inspections for this work will be provided by a third party vendor which has yet to be selected.

I trust that you will find this proposal acceptable. If you have any questions please give me a call.

Sincerely,
HUSSEY GAY BELL & DEYOUNG INTERNATIONAL, INC.

Robert Armstrong, AIA

Robert Armstrong, AIA
Vice President

cc: Eric B. Johnson, FAIA
Gary Shuman
Jennifer Oetgen, PE
File

HUSSEY GAY BELL
— Established 1958 —

June 6, 2016
REVISED November 29, 2016
REVISED January 13, 2017

Mr. Eric Johnson
Hussey Gay Bell & DeYoung International, Inc.
329 Commercial Drive, Suite 200
Savannah, Georgia 31406

**Re: Proposal for Water and Sewer Utility Extension to the Quick Start Facility
Construction Phase Services Only**

Dear Mr. Johnson,

Hussey, Gay, Bell & DeYoung, Inc. is pleased to present our proposal for construction phase services to extend offsite water and sewer utilities to the Quick Start Facility.

The specific scope of services is as follows:

I. CONTRACT PHASE SERVICES

- (a) **Contract Administration** - HGB will provide contract overview and administration services including answering RFIs during the bidding phase of the project, attending a pre-construction meeting with the City of Savannah and the contractor, reviewing shop drawings, responding to RFI's, issuing any necessary change orders, reviewing pay requests, attending progress meetings and reviewing project close-out documents.
- (b) **Construction Observation** - HGB will provide periodic construction observation services during the construction phase of the project. We anticipate based on the size of the water main, the requirement to certified record drawings and our past experience with the City of Savannah, that they will require a minimum of 20 hours/week of field observation for this project. We have based our construction phase services on a 12-week construction period.
- (c) **As-builts and Close-out Documents** - HGB will prepare as-built drawings based on contractor-supplied information, project warranties and all other necessary close-out documents to complete the project.

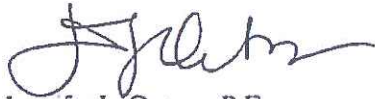
Mr. Eric Johnson
June 6, 2016
REVISED November 29, 2016
REVISED January 13, 2017
Page 2

Our fee structure is as follows:

I.	<u>Contract Administration</u>	
(a)	Contract Administration	\$ 22,750
(b)	Construction Observation	\$ 18,000
(c)	As-builts and Close-out Documents	\$ 4,120

We appreciate the opportunity to present this proposal and will gladly accept a signed copy as our authorization to proceed with this project.

Sincerely,
HUSSEY, GAY, BELL & DEYOUNG, INC.

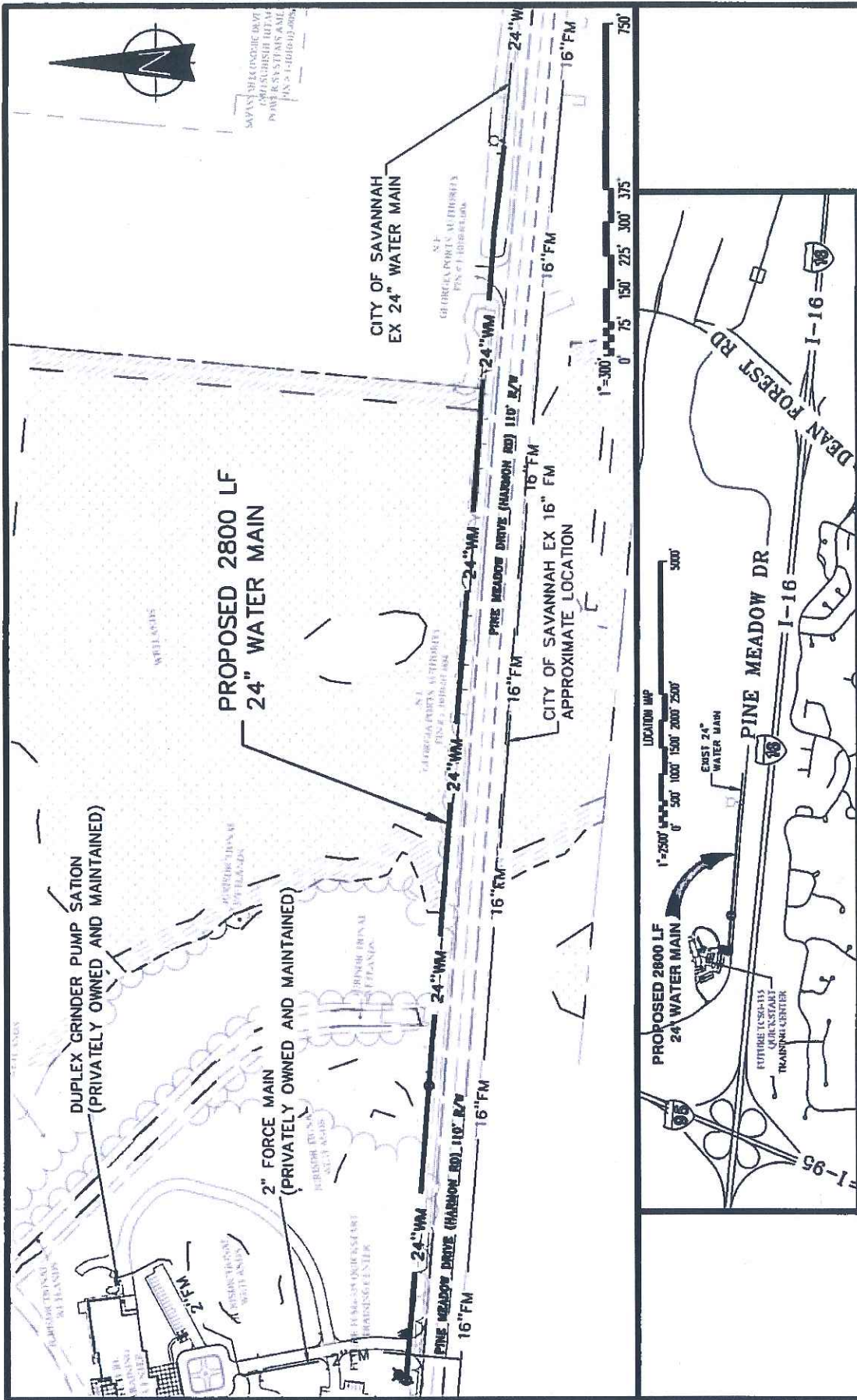


Jennifer L. Oetgen, P.E.
Principal

ACCEPTED BY: _____ DATE: _____

NAME AND TITLE: _____

EXHIBIT B



TCSG-335
 QUICKSTART
 OFF-SITE WATER
 MAIN SERVICE
 SEPTEMBER 29, 2016

TECHNICAL COLLEGE
TCSG
 SYSTEM OF GEORGIA

HUSSEY GAY BELL
Established 1958

329 COMMERCIAL DRIVE, SAVANNAH, GA 31406 • T: 912.354.4636
 SAVANNAH • ATLANTA • CHARLESTON • COLUMBIA
www.husseygaybell.com