

CHATHAM COUNTY PURCHASING & CONTRACTING DEPARTMENT

ADDENDUM NO. 1 TO 20-0057-4

FOR: L. SCOTT STELL PARK SITE IMPROVEMENTS

---

---

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

1. SEE ATTACHED SHEETS FOR RESPONSES TO QUESTIONS RECEIVED  
( 7 pages)

2. SEE ATTACHED TECHNICAL SPECIFICATION *SECTION 08 33 23 - OVERHEAD COILING DOORS* ( 7 pages)

---

---

**BID OPENING REMAINS:**

**2:00 PM, TUESDAY, JULY 28, 2020**

---

---

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

7/22/20  
DATE

  
ROBERT E. MARSHALL  
SENIOR PROCUREMENT SPECIALIST  
CHATHAM COUNTY

**ADDENDUM 1 FOR BID NO. 20-0057-4 L. SCOTT STELL PARK SITE IMPROVEMENTS**

**Questions received:**

**1.Q) Is the chain link fencing and gate(s) 6' or 8' ?**

*A) All chain link fencing on the project is 8 feet in height. The fence detail is incorrect and will be corrected on the Issued for Construction Plans.*

**2. Q) Please indicate the gauge of the “core wire” of the chain link fabric.**

*A) The core wire of the vinyl covered fence shall be 6 guage.*

**3. Q) Please indicate whether the coating is to be Class 1 , Class 2, or Class 2B.**

*A) The coating on the vinyl covered chain link fence is to be Class 2B (fused and adhered)*

**4. Q) Please state both the top and bottom selvage of the chain link fabric.**

*A) The fence fabric shall have the top twisted and the bottom knuckled as shown on the primary detail. The inset detail and specification will be corrected on the Issued for Construction documents.*

**5. Q) Do you want aluminum or steel fence, walk gate, and cantilever gate?**

*A) All fence and gates shall be aluminum. The fence panel and walk gate will be similar to the MONTAGE, but will be aluminum.*

**6. Q) Can Alumi-Guard total aluminum system be approved as an equal ?**

*A) . Alumi-Guard is an acceptable system provided that commercial grade is used and that the warranty is similar. See additional details included with this addendum.*

**7. Q) Please provide specification on the slide gate operator to be quoted including the brand, model, and what equivalent operators are acceptable.**

*A) Performance requirements for the gate operator are in the notes on the plans. The make and weight of the gate bid will control the opener. No specific brands or models will be provided.*

**8. Q) Is the Security SlideSmart CNX slide operator acceptable?**

*A) The SlideSmart CNX operator would be acceptable for the project.*

**9. Q) Can you specify the surge suppressor and ground rod kit?**

*A) The gate and controls are a lump sum bid item. All materials, equipment and labor required to install the gate and make it operational are included in the price. This would include installation as recommended by the gate manufacturer, as this is needed for the warranty to be in effect. If the manufacturer of the gate bid requires a high voltage surge suppressor and earth ground rod kit, or any other specific items, then these should be included in the price bid.*

**10. Q) Do you agree that the gate operator be installed a minimum of 12" above grade?**

*A) the gate operator will need to be installed in a manner that will facilitate the connection between gate and operator. The operator bid will control the mounting location. For example, the photo in the cut sheet for the operator in 1b shows the operator mounted on what seems to be a 4" ground pad.*

**11.Q) Quantity, sizes and functions are not specified. We recommend you specify 16' (long leg) x 6' (short leg; maximum height detection) loops for the 24' gate opening to ensure adequate and proper vehicular obstruction protection.**

*A) There shall be one 16' X 6' loop on the entrance lane and one on the exit lane.*

**12. Q) We recommend one exterior obstruction loop on the outside of the gate opening, approximately 5' from the gate.**

*A) The loops shall be installed approximately 5' from the gate, or as directed by the County in the field. Controlled exit is not desired.*

**13. Q) To comply with UL325 7<sup>th</sup> Edition requirements for monitored entrapment protection for both directions of gate travel, we will quote one Open Safety Photo Eye/Reflector Set and one Close Safety Photo Eye/Reflector Set.**

***A) .Any photo eye set meeting the code will be acceptable.***

**14. Q) No remote control device specified for the gate. Please clarify.**

***A) The electrical plan is not correct. There will be no remote control device in the office.***

**15. Q) There are no provision or specification for emergency vehicle access.**

***A) Emergency services will be provided the entry code. No specific emergency vehicle access measures are needed.***

**16. Q) No keypad specified.**

***A) . Any keypad that allows for a hold open command to the gate that will allow the gate to stay open until the command is released will be acceptable.***

**17. Q) There is no card reader specified.**

***A) No card reader is required.***

**18. Q) Spec 02553, 2.1, B, Discharge Head, indicates 6" I.D. All the plans indicate 4". The pump has 4" discharge. Please clarify 4" or 6.**

***A) The specification section is incorrect. The discharge head is 4" as shown on the plans.***

**19. Q) 02553, 2.2 A, indicates SCADA control. Other sections indicate pressure switch control. The plans do not indicate SCADA, they indicate pressure switch. Is a SCADA system being provided by the County ?**

***A) The specification is incorrect. There will be no SCADA on the project. The pressure switch as shown on the plans will be used.***

20. Q) 02553, 2.4, A indicates to provide a SENSUS Omni T2 flow meter. This appears to be a rotary(propeller) meter. The plans indicate a MagMeter. Please clarify which is to be provided.

*A) The specification is incorrect. A MagMeter as shown on the plans will be used. The MagMeter shall be Rosemount 8750W or equivalent.*

21. Q) 02553, 2.6, C indicates a swing check valve with weight & lever. The plans indicate a Silent Check Valve, which is typically an in-line spring check valve. Please clarify which is to be provided.

*A) The specification is incorrect. The Silent Check Valve shown on the plans will be used.*

22. Q) 02553, 2.6, D indicates the PRV is to be 6". The plans indicate all piping is 4". Please clarify.

*A) The size in the specification is incorrect. The PRV shall be 4".*

23. Q) 02553, 2.10, 1.2, A, indicates the metering pumps to be capable of using 4-20mA signal. The pump starter is not a VFD, therefore no 4-20mA signal will be available. This option may increase the cost of the chemical skid system. Please clarify if this is required.

*A) The metering pump is to be capable of using 4-20mA signal. If the pump starter will not provide this signal, then a switch will be added to start/stop the metering pump when the well pump starts/ stops.*

24. Q) 02553, 2.10, 1.6, f, indicates a E-wash station. We cannot locate on the plans. Where will it be located ?

*A) The specification is incorrect. There is no E-wash station. There is an eye wash station in the building.*

25. Q) . 02553, 2.11, 1. and 02750, 2.5, B indicates a PT. Other specs indicate control by a PS. If there is no SCADA, is a PT required ?

*A) . Since there will be no SCADA, the PT is not required.*

26. Q) The existing tank to be replaced is old; it has three supports. Due to structural issues, tank manufacturers no longer produce tanks with 3 supports, they manufacture tanks with 2 supports. Are the three old concrete supports to be removed and replaced with two new concrete supports ? If yes, is the larger tank to be supported with 4' wide pedestals as indicated on WW1.4 or are the pedestals to be wider ?

*A) The new tank is to be installed per the manufacturers requirements/ recommendations. The existing supports will be removed with the existing tank. New supports will be constructed to support the new tank. The foundation and wall of the support will be the same as those shown for the smaller 1500 gallon tank on the new well, with the length and shape of the support matching the tank.*

**27. Q) Does the County possess the GA EPD permit for the new well ?**

*A) The well does not require EPD permit. It will need a permit from the health department. The contractor or the well driller will need to obtain this permit.*

**28. Q) Spec 027533,2.1, A, indicates 4" inner casing and 8" outer casing. Spec 02733, 3.1, B. indicates the hole shall be 6" larger than the casing and 3.1, C. requires 3" annular space. The drawings indicate 8" and 4". The drawings agree with section 2.1, A; this is typical sizing. Please clarify.**

*A) Specification Section 02733, 3.1.B and 3.1.C are incorrect. The well shall have a 4" inner casing and an 8" outer casing.*

**29. Q) The drawings indicate the 4" casing to be 450' deep. In this area, the top of the aquifer is near 280' – 300'. If this is to be an upper Floridan well, the casing cannot extend 450' deep. Once the casing is set into the limestone, the open hole may be drilled 450' deep. Please clarify.**

*A) The 4" casing shall be installed to the depth that it is set into the limestone. For bidding purposes assume this to be 350 feet. The remainder of the 450' shall be open hole.*

**30. Q) Will the contractor be allowed to enter the park before it opens ?**

*A) Entry to the Park is through a gate with a standard lock. The contractor will be provided a key to this lock so he may enter before it is open.*

**31. Q) What is the slab size for the Fiberglass building for the water system ?**

*A) The slab for the fiberglass building shall be 12" on each side larger than the building itself (10' X 10' building would have 12' X 12' slab). The slab shall be 8" thick.*

**32. Q) We recommend to delete tanks.**

*A) The recommendation to delete tanks is noted. However, include the tanks in the bid and this subject can be considered further during construction.*

**33. Q) We recommend the existing well casing be raised in order to protect the aquifer.**

*A) As shown on the plan, the area around the existing well and tank will be regraded to drain to a new yard inlet near the well. It will not be necessary to raise the casing.*

**34. Q) In the irrigation notes #23 states that the contractor is to provide zones which can be supplied within the limitations of the domestic water well and tank. Are we using a well or can we use an irrigation meter off of the main water supply. If we are using this well and not an irrigation meter, I need to know where this well is, pressure, and the gallons per minute available. Also, I need to know where the irrigation clock is to be placed and where the power source is located.**

*A) The new well that is part of the project will be devoted solely to potable water supply. The existing well to which the 5000 gallon replacement tank will be connected will then become solely an irrigation supply well. The exact rate of the existing well pump is unknown, but it should be assumed to be 70 gpm. The 5000 gallon tank smooth this and keep the base pressure at between 40 psi and 60 psi. From the tank, the irrigation supply line goes to an electric pump which increases pressure to the systems on the softball fields and other parts of the facility. The irrigation connection can be to any what will become irrigation only lines past the new tank. A connection closer to the tank will provide more balance, but a connection after the electric pump will offer more pressure. The designer/ installer of the irrigation system will need to consider these items and select those which work best for the system. The irrigation controller will be located in the new building, with power coming from the new building power supply.*

**35. Q) Could you provide more detail in general for the new irrigation system & irrigation lighting?**

*A) Information on the low voltage landscape lighting can be found in the legend and notes on E0.1. The irrigation system is to be designed by the installer or his designee and will be reviewed and accepted by the County prior to installation. To maintain flexibility in this, specifics have been omitted. It is expected that the landscape plants will be served by bubblers or misters, while the grassed areas will use standard rotors. Once the landscape plants are established they will need less water than grass, so the two should not be combined.*

**36. Q) What is the thickness of the existing asphalt to be removed?**

*A) The thickness of the pavement and base to be removed will varies due to age. For purposes of the bid assume that the thickness of pavement and base to be removed is 12”.*

**37. Q) Can you provide a geotechnical report for the site?**

*A) . The geotechnical report has been placed on the Purchasing web site under the heading for this project.*

**38. Q) Where is the 30" RCP listed on the bid schedule? I haven't found it on the plan view.**

***A) The 30" pipe is a replacement pipe for an existing pipe in the perimeter ditch. It is located just northwest from Bioretention Basin 4.***

**39. Q) Will an alternate for spray foam insulation in the underside of the Storage Building be acceptable in lieu of the polyisocyanurate board insulation?**

***A) The County may consider an alternate for spray foam as a value engineering item with the selected contractor. However, for the bid, use the board insulation shown.***

**40. Q) Are there any specs for the Storage Building metal roof decking?**

***A) If there are no specs for the metal roof profile in the specification package or on the plans then there are none.***

**41. Q) Is the spec'd thermal insulation to be adhered to wooden decking?**

***A) . Per the plans, the thermal insulation is attached to the steel decking. A layer of self adhering underlayment is then on the insulation, and the metal roof goes on top of that. There is no wooden decking.***

**42. Q) Are there any dimensions for the Molded Ken-Shelter on sheet WW1.1? Is this Ken-Shelter to be sitting on a concrete pad, or another type of foundation? There are concerns that the 55 gallon drum shown to be inside of this shelter does not need to be sitting directly on the ground.**

***A) The dimensions of the molded building will depend on the equipment inside and the building manufacturer. See the response to 7/13/20, Item 5 above for slab requirements.***

## SECTION 08 33 23 - OVERHEAD COILING DOORS

## PART 1 - GENERAL

## 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Requirements and Division 01 Specification Sections, apply to this Section.

## 1.2 SUMMARY

- A. Section Includes:
  - 1. Service doors.

## 1.3 ACTION SUBMITTALS

- A. Product Data: For each type and size of overhead coiling door and accessory.
  - 1. Include construction details, material descriptions, dimensions of individual components, profiles for slats, and finishes.
  - 2. Include rated capacities, operating characteristics, electrical characteristics, and furnished accessories.
  - 3. Include description of automatic closing device and testing and resetting instructions.
- B. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data.
  - 1. Include plans, elevations, sections, and mounting details.
  - 2. Include details of equipment assemblies, and indicate dimensions, required clearances, method of field assembly, components, and location and size of each field connection.
  - 3. Include points of attachment and their corresponding static and dynamic loads imposed on structure.
  - 4. For exterior components, include details of provisions for assembly expansion and contraction and for excluding and draining moisture to the exterior.
  - 5. Show locations of controls, locking devices, and other accessories.
  - 6. Include diagrams for power, signal, and control wiring.
- C. Samples for Initial Selection: Manufacturer's finish charts showing full range of colors and textures available for units with factory-applied finishes.
  - 1. Include similar Samples of accessories involving color selection.
- D. Samples for Verification: For each type of exposed finish on the following components, in manufacturer's standard sizes:
  - 1. Curtain slats.
  - 2. Include similar Samples of accessories involving color selection.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.

#### 1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For overhead coiling doors to include in maintenance manuals.

#### 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer for both installation and maintenance of units required for this Project.
  - 1. Maintenance Proximity: Not more than two hours' normal travel time from Installer's place of business to Project site.
- B. Regulatory Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and Georgia Accessibility Code (2012); DOJ 2010 ADA Standards for Accessible Design.

### PART 2 - PRODUCTS

#### 2.1 MANUFACTURERS, GENERAL

- A. Source Limitations: Obtain overhead coiling doors from single source from single manufacturer.
  - 1. Obtain operators and controls from overhead coiling door manufacturer.

#### 2.2 PERFORMANCE REQUIREMENTS

- A. Structural Performance, Exterior Doors: Capable of withstanding the design wind loads.
  - 1. Design Wind Load: As indicated on Drawings.
  - 2. Testing: According to ASTM E 330 or DASMA 108 for garage doors and meeting the acceptance criteria of DASMA 108.
  - 3. Deflection Limits: Design overhead coiling doors to withstand design wind load without evidencing permanent deformation or disengagement of door components.
  - 4. Operability under Wind Load: Design overhead coiling doors to remain operable under uniform pressure (velocity pressure) of 20 lbf/sq. ft. (960 Pa) wind load, acting inward and outward.
- B. Seismic Performance: Overhead coiling doors shall withstand the effects of earthquake motions determined according to ASCE/SEI 7.
  - 1. Component Importance Factor: 1.0.

## 2.3 DOOR ASSEMBLY

- A. Service Door: Overhead coiling door formed with curtain of interlocking metal slats.
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. Cookson Company.
    - b. Cornell Iron Works, Inc.
    - c. McKeon Rolling Steel Door Company, Inc.
    - d. Overhead Door Corporation.
- B. Operation Cycles: Door components and operators capable of operating for not less than 100,000. One operation cycle is complete when a door is opened from the closed position to the fully open position and returned to the closed position.
- C. Air Infiltration: Maximum rate of 1.0 cfm/sq. ft. (5.1 L/s per sq. m) at 15 and 25 mph (24.1 and 40.2 km/h) when tested according to ASTM E 283 or DASMA 105.
- D. Door Curtain Material: Galvanized steel.
- E. Door Curtain Slats: Curved profile slats of 1-7/8-inch (48-mm) 3-1/4-inch (83-mm) center-to-center height.
  1. Slat Interior Facing: Metal.
  2. Gasket Seal. Manufacturer's standard continuous gaskets between slats.
- F. Bottom Bar: Two angles, each not less than 1-1/2 by 1-1/2 by 1/8 inch (38 by 38 by 3 mm) thick; fabricated from hot-dip galvanized steel and finished.
- G. Curtain Jamb Guides: Galvanized steel with exposed finish matching curtain slats.
- H. Hood: Match curtain material and finish.
  1. Shape: As shown on Drawings.
  2. Mounting: Face of wall.
- I. Locking Devices: Equip door with locking device assembly and chain lock keeper.
  1. Locking Device Assembly: Cremone type, both jamb sides locking bars, operable from inside with cylinders.
- J. Manual Door Operator: Chain-hoist operator.
- K. Curtain Accessories: Equip door with weatherseals.
- L. Door Finish:
  1. Baked-Enamel or Powder-Coated Finish: Color as selected by Design Professional from manufacturer's full range.
  2. Interior Curtain-Slat Facing: Finish as selected by Design Professional from manufacturer's full range.

## 2.4 MATERIALS, GENERAL

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

## 2.5 DOOR CURTAIN MATERIALS AND CONSTRUCTION

- A. Door Curtains: Fabricate overhead coiling-door curtain of interlocking metal slats, designed to withstand wind loading indicated, in a continuous length for width of door without splices. Unless otherwise indicated, provide slats of thickness and mechanical properties recommended by door manufacturer for performance, size, and type of door indicated, and as follows:
  - 1. Steel Door Curtain Slats: Zinc-coated (galvanized), cold-rolled structural steel sheet; complying with ASTM A 653/A 653M, with G90 (Z275) zinc coating; nominal sheet thickness (coated) of 0.028 inch (0.71 mm); and as required.
  - 2. Metal Interior Curtain-Slat Facing: Match metal of exterior curtain-slat face, with minimum steel thickness of 0.010 inch (0.25 mm).
- B. Curtain Jamb Guides: Manufacturer's standard angles or channels and angles of same material and finish as curtain slats unless otherwise indicated, with sufficient depth and strength to retain curtain, to allow curtain to operate smoothly, and to withstand loading. Slot bolt holes for guide adjustment. Provide removable stops on guides to prevent overtravel of curtain.

## 2.6 HOODS

- A. General: Form sheet metal hood to entirely enclose coiled curtain and operating mechanism at opening head. Contour to fit end brackets to which hood is attached. Roll and reinforce top and bottom edges for stiffness. Form closed ends for surface-mounted hoods and fascia for any portion of between-jamb mounting that projects beyond wall face. Equip hood with intermediate support brackets as required to prevent sagging.
  - 1. Galvanized Steel: Nominal 0.028-inch- (0.71-mm-) thick, hot-dip galvanized steel sheet with G90 (Z275) zinc coating, complying with ASTM A 653/A 653M.

## 2.7 LOCKING DEVICES

- A. Slide Bolt: Fabricate with side-locking bolts to engage through slots in tracks for locking by padlock, located on both left and right jamb sides, operable from coil side.
- B. Chain Lock Keeper: Suitable for padlock.
- C. Safety Interlock Switch: Equip power-operated doors with safety interlock switch to disengage power supply when door is locked.

## 2.8 CURTAIN ACCESSORIES

- A. Weatherseals for Exterior Doors: Equip each exterior door with weather-stripping gaskets fitted to entire exterior perimeter of door for a weather-resistant installation unless otherwise indicated.
  - 1. At door head, use 1/8-inch- (3-mm-) thick, replaceable, continuous-sheet baffle secured to inside of hood or field- installed on the header.
  - 2. At door jambs, use replaceable, adjustable, continuous, flexible, 1/8-inch- (3-mm-) thick seals of flexible vinyl, rubber, or neoprene.

## 2.9 COUNTERBALANCING MECHANISM

- A. General: Counterbalance doors by means of manufacturer's standard mechanism with an adjustable-tension, steel helical torsion spring mounted around a steel shaft and contained in a spring barrel connected to top of curtain with barrel rings. Use grease-sealed bearings or self-lubricating graphite bearings for rotating members.
- B. Counterbalance Barrel: Fabricate spring barrel of manufacturer's standard hot-formed, structural-quality, seamless carbon-steel pipe, of sufficient diameter and wall thickness to support rolled-up curtain without distortion of slats and to limit barrel deflection to not more than 0.03 in./ft. (2.5 mm/m) of span under full load.
- C. Counterbalance Spring: One or more oil-tempered, heat-treated steel helical torsion springs. Size springs to counterbalance weight of curtain, with uniform adjustment accessible from outside barrel. Secure ends of springs to barrel and shaft with cast-steel barrel plugs.
- D. Torsion Rod for Counterbalance Shaft: Fabricate of manufacturer's standard cold-rolled steel, sized to hold fixed spring ends and carry torsional load.
- E. Brackets: Manufacturer's standard mounting brackets of either cast iron or cold-rolled steel plate.

## 2.10 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM/NOMMA's "Metal Finishes Manual for Architectural and Metal Products (AMP 500-06)" for recommendations for applying and designating finishes.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

## 2.11 STEEL AND GALVANIZED-STEEL FINISHES

- A. Baked-Enamel or Powder-Coat Finish: Manufacturer's standard baked-on finish consisting of prime coat and thermosetting topcoat. Comply with coating manufacturer's written instructions for cleaning, pretreatment, application, and minimum dry film thickness.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates areas and conditions, with Installer present, for compliance with requirements for substrate construction and other conditions affecting performance of the Work.
- B. Examine locations of electrical connections.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION

- A. Install overhead coiling doors and operating equipment complete with necessary hardware, anchors, inserts, hangers, and equipment supports; according to manufacturer's written instructions and as specified.
- B. Install overhead coiling doors, hoods, controls, and operators at the mounting locations indicated for each door.

### 3.3 STARTUP SERVICE

- A. Engage a factory-authorized service representative to perform startup service.
  - 1. Perform installation and startup checks according to manufacturer's written instructions.
  - 2. Test and adjust controls and safety devices. Replace damaged and malfunctioning controls and equipment.

### 3.4 ADJUSTING

- A. Adjust hardware and moving parts to function smoothly so that doors operate easily, free of warp, twist, or distortion.
  - 1. Adjust exterior doors and components to be weather-resistant.
- B. Lubricate bearings and sliding parts as recommended by manufacturer.
- C. Adjust seals to provide tight fit around entire perimeter.

### 3.5 MAINTENANCE SERVICE

- A. Initial Maintenance Service: Beginning at Material Completion, maintenance service shall include 12 months' full maintenance by skilled employees of coiling-door Installer. Include quarterly preventive maintenance, repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for door operation. Parts and supplies shall be manufacturer's authorized replacement parts and supplies.

1. Perform maintenance, including emergency callback service, during normal working hours.

3.6 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain overhead coiling doors.

END OF SECTION 08 33 23