
ADDENDUM No.: 01

Date: **August 13, 2018**

Project Name: **Elliott Branch PH II Wastewater and Reclaimed Water Line Improvements**

Project Number: **2173-1702**

This Addendum form is a part of the Contract and corrects or modifies original Bid Documents, dated July 3, 2018. Acknowledge receipt of this addendum where indicated on Bid Form page 2 of 7. Failure to do so will subject bidder to disqualification.

1. Pre-Bid Conference:

A non-mandatory pre-bid meeting was held on August 7, 2018. The pre-bid agenda and sign-in sheet are attached.

2. Bid Proposal, Pages 4 to 6 of 7

The following changes have been made to the bid schedule:

1. Item 1.08 description updated to change all references of DR18 to DR14. This change should be assumed throughout the plan set.
2. Item 1.18 Gravel Repair (6" Tx247 Type A Grade2) quantity has changed from 77.5 to 64 SY.
3. A new item 1.19 has been added for Granite Gravel Driveway Repair (4"). Quantity: 23 SY.

The revised Bid Schedule, Page 4 of 7Rev to Page 6 of 7Rev is attached to this addendum.

BIDDERS MUST USE THE REVISED BID SCHEDULE WITH THE HEADER "REVISED VIA ADDEMDUM 1, AUGUST 13, 2018" OR THE BID WILL BE CONSIDERED UNRESPONSIVE.

3. Drawing Revisions:

1. Quantity Sheet has been updated for new item 1.19 Granite Gravel Drive Repair and quantity change for Item 1.18.
2. Revised note at STA9+90, STA12+10, STA16+48, and STA23+25 to specify internal drop connection.
3. Granite Gravel Driveway Repair and Internal Drop Connection Details have been added to Standard Detail Sheets.

4. Technical Specifications:

Modification sheet for Specification Item 1301S has been added.

5. Clarifications

1. A question was raised during the pre-bid meeting regarding spoils. All spoils incurred during the construction project are the property of the contractor and shall be disposed of at contractor's expense.

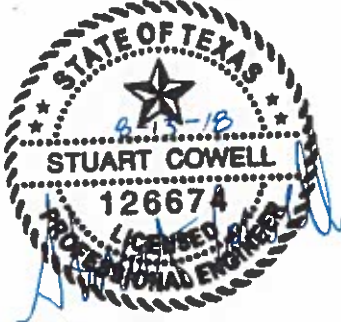
2. The internal drop connection shall be subsidiary to the standard pre-cast manhole w/ pre-cast base, 60-inch dia pay item.
3. Emailed question:
 - How close to the pavement do we have to be to add base to the top of the trench repair for the 21" WW? Can we use Flowable Fill?

Response: For gravel surfaces, 6-inches from existing grade
For asphalt surfaces, 10-inches from existing grade.
12-inches above the top of pipe will be bedding material and the remainder up to 6-inches (gravel) and 10-inches (asphalt) below grade will be select backfill.

Flowable fill is not an acceptable substitute for backfill.

This addendum consists of 16 page(s)/sheet(s).

ADDENDUM 01 ISSUED BY:
LJA ENGINEERING



Stuart Cowell, P.E.
Project Engineer

Leon Barba, P.E. 8/12/18
Approved by OWNER (Leon Barba P.E., City Engineer)

Enclosed: Pre-Bid Agenda and Sign-in sheet (6 pages)
Bid Proposal, Page 4 of 7Rev to 6 of 7Rev (3 pages)
Technical Specifications
Modification sheet to Specification Item 1301S (5 page)

END

PRE-BID CONFERENCE

City: City of Kyle

Location: Public Works Building

Date: Tuesday, August 7, 2018, 10:00AM

Prepared By: Stuart Cowell, P.E.

Project: Elliott Branch PH II Wastewater and
Reclaimed Water Line Improvements

LJA Engineering Project No.: 2173-1702

I. Welcome

This is a Pre-Bid Conference for the Elliott Branch PH II Wastewater and Reclaimed Water Line Improvements Project for the City of Kyle, Texas.

II. Introductions and Roles

- A. Leon Barba, PE, City Engineer, City of Kyle.
- B. Harper Wilder, Public Works, City of Kyle
- C. Clayton Craig: City Inspector, City of Kyle
- D. Stuart Cowell, P.E., LJA Engineering. Project Engineer and is responsible for the day-to-day management of the project and review of technical information related to the design intent and any modifications made to the design.

III. Bidding Procedures

- A. See Notice to Bidders and Instructions to Bidders section in Contract Documents for bidding information.
- B. Copies of the Specifications and Bid Documents are on file and may be examined at the following locations:

City of Kyle Engineer's Office, 100 West Center Street, Kyle, Texas 78640
Public Works Building, 520 E. RR 150, Kyle, Texas 78640
Builders Exchange, 4047 Naco Perrin, San Antonio, Texas 78217
F.W. Dodge, 4300 Beltway Place #180, Arlington, Texas 76018

Bid Documents in an electronic format on Compact Disc (CD) may be obtained at City Hall located at the address above at no cost. Bid Document CD.'s may also be obtained at the offices of LJA Engineering, 5316 Highway 290 West, Suite 150, Austin, Texas 78735, (512) 439-4700

- C. All bidders are encouraged to review all contract documents including Special Contract Provisions and the Specifications.
- D. Technical questions related to the project should be directed to Stuart Cowell; (512) 439-4717, scowell@lja.com. All questions must be submitted no later than **Friday August 10, 2018, at 5:00PM**. Questions must be emailed prior to the date mentioned. Addendum 1 will be published **August 13, 2018**.
- E. Bid Opening: Thursday **August 16, 2018 at 10:00AM** at the City of Kyle Public Works Building located at 520 E RM 150, Kyle, TX 78640. Sealed bids will be opened at that time and read aloud. Any bid received after closing time will be returned unopened. Attendance at this conference is not mandatory to bid the

project. All participants need to complete the Pre-Bid Conference Attendance Record.

- F. Bid Security: 5% of Total Amount
- G. Bid Proposal: Bidders must utilize the bid proposal form provided in the specifications. This is a unit price bid project.
- H. Each bid should be furnished with a Bidder Qualifications as stated in the Contract Documents.
- I. Contract will be awarded within 60 calendar days from bid opening.

IV. Scope of Work

- A. Overview of project:
 - Location: Old Stagecoach Rd/ Hays County 136
 - Nature of Project: Sewer line and reclaimed water line
 - Quantities: 1,500 LF of 21-inch sewer line
 - 1,500 LF of 12" reclaimed purple water line
 - 6 – 60" manholes
 - Surface repairs
- B. Geotechnical Bores: There were no bores taken along the project alignment. A Geotechnical Report was provided for the bores that were taken near the project area. All subsurface and/or soils information is furnished for the bidders' and Contractor's information only and neither the Owner nor the Engineer make any representation as to its accuracy or adequacy by making such information available.

It is known that there is rock in the area of the project and the contractor is to plan for this type of condition.

Prospective bidders and Contractors are to make such explorations, analyses and other investigations as required to inform themselves of the actual conditions to be encountered in performing the Work required by the Contract Documents.

- C. Special construction requirements
 - 1. Communication with adjacent property owners regarding access to their properties, water shutoffs, etc.
 - 2. Contractor is to provide temporary access and/or provide accommodations through the project area to all property owners adjacent to Old Stagecoach Rd. Closure of driveways during construction is to be coordinated between the property owner and Contractor.
 - 3. Utility Status: Overhead and underground utilities exist near the project. The locations of underground utilities shown in plans are approximate. Contractor is responsible to make 1 800 call(s) before you dig and coordinate with providers before commencing any work that might affect present utilities.
 - 4. Traffic Control: Traffic control will be require during the project. Traffic control measures required shall conform to TxDOT Manual on Uniform Traffic Control Devices. Details of the Traffic Control Plan (TCP) shall be submitted to the Engineer for review and approval in advance of scheduled work.
 - 5. Storage of Material and Equipment: To be determined by contractor.

6. Slope of the pipeline: 0.35% and 0.5%. Contractor is required to provide invert elevations at every manhole after each installation. Provide As Built plans

D. Coordination with others

1. Public Works (for utility testing, etc.) — Warren Christian (512) 738-7292
2. Adjacent Land Owners — Available information to be provided to the Contractor (Name, Address, Phone Number)

- E. Testing: City of Kyle will provide testing lab services as needed for soil compaction. Contractor to pay for Retesting of failed tests. Contractor to Pay for all other required tests including TV tests and Vacuum test for manholes

V. Site Access / Staging Area

Contractor will coordinated with city.

VI. Safety Plan

Contractor will be required to be in compliance with State and Federal Regulations during Construction

VII. Other Information

A. Contract Time:

1. Substantial Completion of all Work: 120 Calendar Days
2. Completion of all Work: 150 Calendar Days
3. Liquidated Damages: \$500 per Calendar Day. Construction schedule and liquidated damages, penalties or fines that may be incurred.

B. Subsidiary Items:

1. Pipe restraints
2. Lining of manholes (proposed and existing)
3. Concrete collar
4. Construction staking and as-built survey
5. Fertilizer and irrigating seeded area; City of Kyle will provide necessary water

C. Standard Specifications: City of Austin/ LJA

- D. Materials furnished by Owner: Water (near corner of Old Stagecoach and Cypress Road); startup to be coordinated with City

- E. Protection of any existing utilities in the project area is the responsibility of the Contractor. Engineer has endeavored to show all known utilities within the Contract documents, but this shall not relieve the Contractor from full responsibility in anticipating all underground obstruction, whether or not shown on the plans; Contractor should call for utility locates and verify locations of all utilities prior to starting construction.

F. Permit: TCEQ approval has been obtained

G. SW3P — Contractor Responsibility

Location Map



LJA Engineering, Inc.

Sign-In Sheet

Project: Elliott Branch PH II Wastewater and Reclaimed Water Line Improvement

Date: Tuesday August 7, 2018

Time: 10:00 AM

Location: City of Kyle Public Works Building

NAME	COMPANY	PHONE	EMAIL
Leon Barba, P.E.	City of Kyle	512-262-3958	cityengineer@cityofkyle.com
Stuart Cowell, P.E. ^{SC}	LJA Engineering	512-439-4717	scowell@lja.com
Gisela Alvarado	Santa Clara Const., Ltd	(512) 250-8310	gisela.alvarado @ sccaustin.com
Mark Escamilla	JLB Const. Co.	512-260-2600	estimating@jlbco.com
Kristi Nedlin	Whitestone Civil Const.	512-966-3757	Kristi@whitestone civil.com

REVISED VIA ADDENDUM 1 AUGUST 13, 2018
CITY OF KYLE
ELLIOTT BRANCH PH 2 WASTEWATER IMPROVEMENTS

Schedule of Bid Items

Item No.	Spec No.	Quantity	Unit	Description (with unit price in words)	Unit Price	Total Price
BID SCHEDULE: BASE BID						
1.01	101S	1	LS	PREPARING RIGHT OF WAY at and per lump sum	Dollars Cents	\$ \$
1.02	340S	982	SY	PAVEMENT REPAIR (2" Tx340 TYPE D, 8" Tx247 TYPE A GRADE 2) at and per square yard	Dollars Cents	\$ \$
1.03	430S	1,398	LF	P.C. CONCRETE RIBBON CURB REPAIR at and per linear foot	Dollars Cents	\$ \$
1.04	506	6	EA	STANDARD PRE-CAST MANHOLE W/ PRE-CAST BASE, 60-INCH DIA at and per each	Dollars Cents	\$ \$
1.05	506	23.2	VF	EXTRA DEPTH OF MANHOLE, 60-INCH DIA. at and per vertical foot	Dollars Cents	\$ \$
1.06	506	1	LF	CONNECT TO EXISTING 21" WASTEWATER LINE at and per linear foot	Dollars Cents	\$ \$
1.07	509S	2,991	LF	TRENCH SAFETY at and per linear foot	Dollars Cents	\$ \$
1.08	510	1,496	LF	12" RECLAIMED WATER LINE, AWWA C900 IB DR14, CL 305, PURPLE, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL at and per linear foot	Dollars Cents	\$ \$
1.09	510	1	EA	CONNECT TO EXISTING 12" RECLAIMED WATER LINE at and per each	Dollars Cents	\$ \$

REVISED VIA ADDENDUM 1 AUGUST 13, 2018
CITY OF KYLE
ELLIOTT BRANCH PH 2 WASTEWATER IMPROVEMENTS

Schedule of Bid Items

Item No.	Spec No.	Quantity	Unit	Description (with unit price in words)	Unit Price	Total Price
BID SCHEDULE: BASE BID						
1.10	510	1.7	TN	DUCTILE IRON FITTINGS		
				at	Dollars	
				and	Cents	\$
				per ton		\$
1.11	510	1,495	LF	21" WASTEWATER LINE, ASTM F679 PS 115 PVC, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL		
				at	Dollars	
				and	Cents	\$
				per linear foot		\$
1.12	510	5	EA	6-INCH CLEANOUT, FITTINGS, 6-INCH DIA. WASTEWATER LINE ASTM 3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL		
				at	Dollars	
				and	Cents	\$
				per each		\$
1.13	511S	2	EA	12-INCH GATE VALVE AND INSTALLATION (INLINE VALVE)		
				at	Dollars	
				and	Cents	\$
				per each		\$
1.14	604S	697	SY	TOPSOIL, BROADCAST SEEDING, AND VEGETATIVE WATERING		
				at	Dollars	
				and	Cents	\$
				per square yard		\$
1.15	642S	1,533	LF	SILT FENCE (INSTALL, MAINTAIN AND REMOVE)		
				at	Dollars	
				and	Cents	\$
				per linear foot		\$
1.16	700S	1	LS	MOBILIZATION		
				at	Dollars	
				and	Cents	\$
				per lump sum		\$
1.17	803S	1	LS	TRAFFIC CONTROL PLAN, BARRICADES, SIGNS, & TRAFFIC HANDLING		
				at	Dollars	
				and	Cents	\$
				per lump sum		\$

REVISED VIA ADDENDUM 1 AUGUST 13, 2018
 CITY OF KYLE
 ELLIOTT BRANCH PH 2 WASTEWATER IMPROVEMENTS

Schedule of Bid Items

Item No.	Spec No.	Quantity	Unit	Description (with unit price in words)	Unit Price	Total Price
BID SCHEDULE: BASE BID						
1.18	2511	64	SY	GRAVEL REPAIR (6" Tx247 TYPE A GRADE 2) at and per square yard	Dollars Cents	\$ \$
1.19	1301S	23.0	SY	GRANITE GRAVEL DRIVEWAY REPAIR (4") at and per square yard	Dollars Cents	\$ \$
Total Base Bid Schedule All Bid Items (Words and Figures):					Dollars Cents	\$

Notes:

It is understood the quantities of work to be done at unit prices are approximate and are intended for bidding purposes only. Amounts are to be shown in both words and figures. In case of discrepancy the amount shown in words shall govern.

Reference is hereby made to the Measurement and Payment Section of the Technical Specifications for further descriptions of all Bid Schedule work items.

Note:

Owner reserves the right to reject total of Bid Schedules for the Contract.

MODIFICATIONS TO SECTION 1301S

GRANITE GRAVEL HIKE AND BIKE TRAIL

This modification page modifies, amplifies, or amends the technical specifications and plans. In the event of discrepancy, this modification shall take precedence over the plans and the technical specifications.

Paragraph 1301S.1 DESCRIPTION

This section shall govern furnishing and placing red granite gravel surfacing for driveways as indicated on the plans. The granite gravel surface shall be constructed in a single layer on an approved and properly prepared base course, conforming to typical sections and matching existing grades.

ITEM NO. 1301S

GRANITE GRAVEL HIKE AND BIKE TRAIL

1301.1 - DESCRIPTION

This standard specification item shall govern furnishing and placing red granite gravel surfacing for hike and bike trails. The granite gravel surface shall be constructed in a single layer on an approved and properly prepared base course, conforming to typical sections and to the lines and grades indicated on the drawings or established by the engineer or designated representative.

This specification is applicable for projects or work involving either inch-pound or SI units. Within the text the inch-pound units are given preference followed by SI units shown within parentheses.

1301S.2 - SUBMITTALS

The submittal requirements of this specification item may include:

1. Sample of decomposed red granite gravel surface material along with source identification and gradation and plasticity test results for approval, quality assurance and color;
2. Sample of red road base material or approved equivalent along with source identification and gradation and plasticity test results for approval, quality assurance and color;
3. Optimum moisture-density characteristics for decomposed red granite gravel and red road base sources;
4. Proposed trail/path construction sequence and equipment; and
5. Field density test results for in-place compacted red granite gravel and red road base.

1301S.3 - MATERIALS

The surface and base layer materials shall be tested by the city's designated laboratory and approved by the engineer or designated representative prior to being hauled to the project.

The decomposed red granite gravel and red road base materials or approved equivalent shall be tested according to the following TxDOT standard test methods:

1. Preparation for Soil Constants and Sieve Analysis	Tex-101-E
2. Moisture Content	Tex-103-E
3. Liquid Limit	Tex-104-E
4. Plastic Limit	Tex-105-E
5. Plasticity Index	Tex-106-E
6. Sieve Analysis	Tex-110-E
7. Laboratory Compaction	Tex-113-E
8. Field Density	Tex-115-E

The surface layer material shall be from a source approved by the city and shall be composed of a mixture of Texas decomposed unwashed granite aggregate and red clay fines that meets the following requirements:

Sieve Designation		% Passing	
US	SI		
5/8 "	19 mm	100	
#40	425µm	40 to 45	
# 200	75µm	15 to 25	
Plasticity Index			12 to 18

The red road base material or approved equivalent shall be from a source approved by the city and shall consist of a hematite, hydrated hematite or limonite "iron" ore, occurring with or without sand, as found at or near the ground surface, which, when loaded at from the material pit, shall not contain an excess of free clay. Material containing gravel or hard pieces of ore exceeding the maximum specified size in their largest dimension shall be broken up and uniformly mixed with the remainder of the material/.

When properly slaked and tested by TxDoT methods the red road base material or approved equivalent shall meet the following requirements.

Sieve Designation		% Passing	
US	SI		
1¾"	45 mm	100	
7/8 "	22.5 mm	65 to 90	
#40	425 µm	15 to 50	
Liquid Limit			35 maximum
Plasticity Index			12 maximum

1301S.4 - CONSTRUCTION

1. General

Prior to commencement of this work, all required erosion controls and tree protection measures indicated on the Drawings shall be in place. All existing utilities shall be located and protected as specified in the Standard Contract Documents, Section 00700, "General Conditions" and/or as specified on the Drawings.

Areas within the construction limits shall be cleared of all obstructions, abandoned structures, and other items as defined above. All vegetation, except trees or shrubs indicated for preservation, shall also be removed. Trees and shrubs, which are scheduled for preservation, shall be carefully trimmed as directed by the engineer or designated representative and shall be protected from scarring, barking or other injuries during construction operations in accordance with Standard Specification Item No. 610S, "Preservation of Trees and Other Vegetation." All exposed cuts over 2 inches (50 millimeters) in diameter, exposed ends of pruned limbs or scarred bark shall be treated with an approved asphalt material within 24 hours of the pruning or injury.

Construction equipment shall not be operated nor construction materials stockpiled under the canopies of

trees, unless otherwise indicated on the Drawings and/or specified in the Contract Documents. Excavation or embankment materials shall not be placed within the drip line of trees until tree wells are constructed.

2. Subgrade Preparation

The subgrade shall be excavated and shaped in conformity with the typical sections shown on the drawings and to the lines and grades as established by the Engineer or designated representative. The subgrade shall be tested by "proof rolling" and shall conform to Standard Specification Item No. 236S, except that a 10-ton roller will be used prior to placement of the red road base material. Any unstable or spongy subgrade areas identified by proof rolling shall be corrected either by additional re-working, drying and compaction, or by removal and replacement of unsuitable materials.

If required the subgrade shall be wetted, reshaped and rolled to the extent directed in order to place the subgrade in an acceptable condition to receive the red road base material. The surface of the subgrade shall be finished true to line and grade as established by the Engineer or designated representative in conformity with the typical section shown on the drawings. Material excavated in the preparation of the subgrade shall be utilized in the construction of adjacent shoulders and slopes or otherwise disposed of as directed by the Engineer or designated representative. Additional material required for completion of the shoulders and slopes shall be secured from sources approved by the City of Austin.

3. Red Road Base

The Contractor shall not place red road base or approved equivalent until the subgrade has cured to the satisfaction of the Engineer or designated representative, regardless of whether or not the subgrade has been successfully proof rolled. As a minimum, this will be when the surface displays no damp spots and there is no evidence of "sponginess" in the subgrade.

The base material shall be delivered in approved vehicles of uniform capacity and it shall be the responsibility of the Contractor to deliver at each 100-foot (30-meter) station the required amount of specified material to yield the compacted thickness shown on the drawings. Material deposited upon the subgrade shall be spread and shaped the same day unless directed otherwise by the Engineer in writing. All areas and "nests" of segregated coarse or fine material shall be corrected or removed and replaced with well-graded material.

In the event inclement weather or other unforeseen circumstances render impractical the spreading of the base material during the first 24-hour period, it shall be scarified and spread as early as possible as directed by the Engineer or designated representative. If it becomes evident that insufficient material was placed, additional material as necessary shall be delivered and the entire course scarified, mixed and compacted.

The base layer shall be sprinkled as required to bring the material to optimum moisture content, then compacted in accordance with Standard Specification Item No. 210S, "Flexible Base" to the extent necessary to provide not less than 90% of the optimum density. In no case shall the material be worked at more than 2 percent above or below optimum moisture as determined by TxDOT Test Method Tex-113-E. Field density determinations shall be made in accordance with TxDOT Test Method Tex-115-E. In addition to the requirements specified for density, the full depth of base material shall be compacted to the extent necessary to remain firm and stable under construction equipment.

After each section of flexible base material is completed, tests, as necessary, will be made by the Engineer or designated representative. As a minimum, three in-place density tests per section. If the material fails to meet the density requirements, it shall be reworked as necessary to meet these requirements. All initial testing will be paid for by the city. All retesting shall be paid for by the Contractor. Throughout the entire

operation, the surface of the material shall be maintained by blading and, upon completion, shall be smooth and shall conform to the typical section indicated on the Drawings and to the established lines and grades.

If the base material, due to any reason or cause, loses the required stability, density or finish before placement of the red granite gravel surface layer, it shall be recompacted and refinished at the Contractor's expense.

4. Red Granite Gravel Surface

Construction methods for the succeeding red granite gravel layer shall be the same as prescribed for the red road base layer with the exception of the compaction requirements. The surface layer shall be sprinkled as required to bring the material to optimum moisture content, then compacted in accordance with Standard Specification Item No. 210S, "Flexible Base" to the extent necessary to provide not less than 92% of the optimum density. In no case shall the material be worked at more than 2% above or below optimum moisture.

When the thickness of a particular lift of the flexible base is in question, the Contractor shall check the surface of for conformity to the lines and grades by setting "blue tops" at intervals not exceeding 50 feet (15 meters) on the centerline, the edge of the trail/path, and at other points that may be indicated on the Drawings

If the base material and/or surface layer due to any reason or cause, loses the required stability, density or finish prior to acceptance of the project, the base layer and/or surface layer shall be recompacted and refinished at the Contractor's expense.

1301S.5 - MEASUREMENT

"Granite Gravel Hike and Bike Trail" will be measured by the cubic yard (cubic meter: 1 cubic meter equals 1.196 cubic yards), complete in place, as indicated in the Contract Documents.

1301S.6 - PAYMENT

This item will be paid for at the contract unit bid price for "Granite Gravel Hike and Bike Trail." The unit bid price shall include full compensation for all work specified herein, including the protection of existing trees, property and public right-of-way, traffic control measures, the furnishing, hauling, placing and compacting of all materials; for rolling, proof rolling, recompacting and refishing; for all water required; for retesting as necessary; and for all equipment, tools, labor and incidentals necessary to complete the Work.

Payment will be made under the following:

Pay Item No. 1301S-A:	Granite Gravel Hike and Bike Trail	Per Cubic Yard.
Pay Item No. 1301S-B:	Granite Gravel Hike and Bike Trail	Per Square Yard.

END OF SECTION