




Purchasing Department

209 Water Street
Johnson City, TN 37601
(423) 975-2716

ADDENDUM

TO: All Prospective Vendors

FROM: Debbie Dillon, 
Director of Purchasing

SUBJECT: Addendum No. 1 ITB #6542
Basin B2E Sanitary Sewer Rehabilitation Project

DATE: November 30, 2021

Consider this addendum an integral part of the above referenced Invitation to Bid:

NOTE: Bid opening has been changed to **December 14th at 2:00pm local time**. Zoom link information remains the same.

LJA Attachments: Addendum (1 page);
Q&A (1 page);
Pre-bid meeting notes (2 page)
Plan holders list (1 page)

All other specifications/requirements remain the same. **Vendor to acknowledge receipt of this addendum by initialing and returning the addendum notice with the return solicitation package or via e-mail if it has already been submitted.** Failure to acknowledge this addendum could be cause for rejection of your submittal. Any questions regarding addendum submittal please contact this office.

/dd

ADDENDUM 1

CITY OF JOHNSON CITY
TENNESSEE

BASIN B2E SANITARY SEWER
REHABILITATION PROJECT ITB# 6542

*******NOTE: BID DATE CHANGED TO DECEMBER 14, 2021; 2:00 pm;
LOCAL TIME*******

CONTRACT DOCUMENTS

1. Section 00020 Invitation to Bid, Paragraph 1, Sentence 1, Change Bid Date from December 7, 2021 to **December 14, 2021**.
2. Section 00020 Invitation to Bid, Page 2, Change Paragraph 4 to the following:

Request for information (RFI's) or clarification shall be sent in writing via email to Vickie Wilhite at vwilhite@lja.com. RFI's will be accepted until 12:00 PM ET on December 8, 2021. No responses will be provided for RFI's received after this time. No responses will be provided for requests made via any method other than that indicated above. Responses to RFI's will be sent to all plan holders by 12:00 PM ET time on December 10, 2021.

3. Section 00020 Invitation to Bid, Page 2, Change Paragraph 5 to the following:

*Zoom bid opening info – **December 14th** at 2 pm local time.*

Join Zoom Meeting

<https://us02web.zoom.us/j/86446924280?pwd=bWRL0DFIL2FqejcrbkMrd1VEUnU2dz09>

Meeting ID: 864 4692 4280

Passcode: 770102

4. Section 00100 Instructions to Bidders, Page 7, Article 1.13 D. 4. Change to reads as follows:

One who has designated in the bid form the specialty subcontractors that will perform Work.

SPECIFICATIONS

5. Section 02985 Seeding and Mulching, Delete in its entirety and Replace with the attached Section 02985 Seeding and Mulching.

END OF ADDENDUM 1

As stated in SECTION C-410 BID FORM receipt of all addenda must be acknowledged.

Part 1 General

1.01 Scope

- A. The work covered by this Section consists of furnishing all labor, equipment and material required to place topsoil, seed, commercial fertilizer, agricultural limestone and mulch material, including seedbed preparation, harrowing, compacting and other placement operations on graded earthen areas as described herein and/or shown on the Drawings. In general, seeding operations shall be conducted on all newly graded earthen areas not covered by structures, pavement or sidewalks; all cleared or grubbed areas which are to remain as finish grade surfaces; and on all existing turf areas which are disturbed by construction operations and which are to remain as finish grade surfaces. Areas disturbed by borrow activities shall also be seeded according to these Specifications.
- B. The work shall include temporary seeding operations to stabilize earthen surfaces during construction or inclement weather and to minimize stream siltation and erosion. Temporary seeding shall be performed at the times and locations as directed by the Engineer.

1.02 Quality Assurance

- A. Prior to seeding operations, the Contractor shall furnish to the Engineer labels or certified laboratory reports from an accredited commercial seed laboratory or a state seed laboratory showing the analysis and germination of the seed to be furnished. Acceptance of the seed test reports shall not relieve the Contractor of any responsibility or liability for furnishing seed meeting the requirements of this Section.
- B. Prior to topsoil operations, the Contractor shall obtain representative samples and furnish soil test certificates including textural, pH, and organic analysis from the State University Agricultural Extension Services or other certified testing laboratory.

Part 2 Products

2.01 Acceptable Manufacturers

- A. All materials shall conform to the requirements and standards of this Section.
- B. Wood-cellulose fiber mulch shall be manufactured by Weyerhaeuser Company or Conway Corporation.

2.02 Topsoil

- A. Utilizing designated stockpiles or borrow areas on site, the Contractor shall place a minimum of 4-inches of topsoil over all graded earthen areas and over any other areas to be seeded. Sources of topsoil shall be approved by the Engineer prior to disturbance. Importing topsoil from offsite sources shall be at the discretion of the Engineer and shall be justification for additional compensation to the Contractor. A

change order properly authorized by the Owner shall be agreed upon prior to importing offsite topsoil. No additional compensation will be allowed for spreading of topsoil.

- B. Topsoil shall be a friable loam containing a large amount of humus and shall be original surface soil of good, rich, uniform quality, free from any material such as hard clods, stiff clay, hardpan, partially disintegrated stone, pebbles larger than 1/2-inch in diameter, lime, cement, bricks, ashes, cinders, slag, concrete, bitumen or its residue, boards, sticks, chips or other undesirable material harmful or unnecessary to plant growth. Topsoil shall be reasonably free from perennial weeds and shall not contain objectionable plant material, toxic amounts of either acid or alkaline elements or vegetable debris undesirable or harmful to plant life.
- C. Topsoil shall be natural topsoil without admixture of subsoil material, and shall be classifiable as loam, silt loam, clay loam, sandy loam or a combination thereof. The pH shall range from 5.5 to 7.0. Topsoil shall contain not less than five percent nor more than 20 percent, by weight, of organic matter as determined by loss on ignition of oven-dried samples to 65 degrees C.

2.03 Seed

- A. Seed shall be delivered in new bags or bags that are sound and labeled in accordance with the U.S. Department of Agriculture Federal Seed Act.
- B. All seed shall be from the last crop available at time of purchase and shall not be moldy, wet or otherwise damaged in transit or storage.
- C. Seed shall bear the growers analysis testing to 98 percent for purity and 90 percent for germination. At the discretion of the Engineer, samples of seed may be taken for verification against the grower's analysis.
- D. Species, rate of seeding, fertilization and other requirements are shown in the Seeding Schedule at the end of this Section.

2.04 Fertilizer and Liming Materials

- A. Fertilizer and liming materials shall comply with applicable state, local and federal laws concerned with their production and use.
- B. Commercial fertilizer shall be a ready mixed material equivalent to the grade or grades specified the Seeding Schedule shown on the Drawings. Container bags shall have the name and address of the manufacturer, the brand name, net weight and chemical composition.
- C. Agricultural limestone shall be a pulverized dolomitic limestone having a calcium carbonate content of not less than 85 percent by weight. Agricultural limestone shall be crushed so that at least 85 percent of the material will pass a No. 10 mesh screen and 50 percent will pass a No. 40 mesh screen.

2.05 Mulch Material

- A. All mulch materials shall be air dried and reasonably free of noxious weeds and weed seeds or other materials detrimental to plant growth.
- B. Mulch shall be composed of wood cellulose fiber, straw or stalks, as specified herein. Mulch shall be suitable for spreading with standard mulch blowing equipment.
- C. Straw mulch shall be partially decomposed stalks of wheat, rye, oats or other approved grain crops.
- D. Stalks shall be the partially decomposed, shredded residue of corn, cane, sorghum or other approved standing field crops.

2.06 Mulch Binder

- A. Mulch on slopes exceeding 3 to 1 ratio shall be held in place by the use of an approved mulch binder. The mulch binder shall be non-toxic to plant life and shall be acceptable to the Engineer.
- B. Emulsified asphalt binder shall be Grade SS-1, ASTM D 977. Cutback asphalt binder shall be Grade RC 70 or RC 250.

2.07 Inoculants for Legumes

All leguminous seed shall be inoculated prior to seeding with a standard culture of nitrogen-fixing bacteria that is adapted to the particular seed involved.

2.08 Water

Water shall be clean, clear water free from any objectionable or harmful chemical qualities or organisms and shall be furnished by the Contractor.

Part 3 Execution

3.01 Securing and Placing Topsoil

- A. Topsoil shall be secured from areas from which topsoil has not been previously removed, either by erosion or mechanical methods. Topsoil shall not be removed to a depth in excess of the depth approved by the Engineer.
- B. The area or areas from which topsoil is secured shall possess such uniformity of soil depth, color, texture, drainage and other characteristics as to offer assurance that, when removed the product will be homogeneous in nature and will conform to the requirements of these Specifications.

- C. All areas from which topsoil is to be secured, shall be cleaned of all sticks, boards, stones, cement, ashes, cinders, slag, concrete, bitumen or its residue and any other refuse which will hinder or prevent growth.
- D. In securing topsoil from a designated pit, or elsewhere, should strata or seams of material occur which do not come under the requirements for topsoil, such material shall be removed from the topsoil or if required by the Engineer, the pit shall be abandoned.
- E. Before placing or depositing topsoil upon any areas, all improvement within the area shall be completed, unless otherwise approved by the Engineer.
- F. The areas in which topsoil is to be placed or incorporated shall be prepared before securing topsoil for use.

3.02 Seedbed Preparation

- A. Before fertilizing and seeding, the topsoil surfaces shall be trimmed and worked to true line from unsightly variation, bumps, ridges and depressions and all detrimental material, roots and stones larger than 3-inches in any dimension shall be removed from the soil.
- B. Not earlier than 24 hours before the seed is to be sown, the soil surface to be seeded shall be thoroughly cultivated to a depth of not less than 4-inches with a weighted disc, tiller, pulvimixer or other equipment, until the surface is smooth and in a condition acceptable to the Engineer.
- C. If the prepared surface becomes eroded as a result of rain or for any other reason, or becomes crusted before the seed is sown, the surface shall again be placed in a condition suitable for seeding.
- D. Ground preparation operations shall be performed only when the ground is in a tillable and workable condition, as determined by the Engineer.

3.03 Fertilization and Liming

- A. Following seedbed preparation, fertilizer shall be applied to all areas to be seeded so as to achieve the application rates shown on the Drawings.
- B. Fertilizer shall be spread evenly over the seedbed and shall be lightly harrowed, raked, or otherwise incorporated into the soil for a depth of 1-inch.
- C. Fertilizer need not be incorporated in the soil as specified above when mixed with seed in water and applied with power sprayer equipment. The seed shall not remain in water containing fertilizer for more than 30 minutes when a hydraulic seeder is used.

- D. Agricultural limestone shall be thoroughly mixed into the soil according to the rates shown in the Seeding Schedule shown on the Drawings. The specified rate of application of limestone may be reduced by the Engineer if pH tests indicate this to be desirable. It is the responsibility of the Contractor to obtain such tests and submit the results to the Engineer for adjustment in rates.
- E. It is the responsibility of the Contractor to make one application of a maintenance fertilizer according to the recommendations listed in the Seeding Schedule shown on the Drawings.

3.04 Seeding

- A. Seed of the specified group shall be sown as soon as preparation of the seedbed has been completed. No seed shall be sown during high winds, nor until the surface is suitable for working and is in a proper condition. Seeding shall be performed during the dates shown on the Drawings unless otherwise approved by the Engineer. Seed mixtures may be sown together provided they are kept in a thoroughly mixed condition during the seeding operation.
- B. Seed shall be uniformly sown by any approved mechanical method suitable for the slope and size of the areas to be seeded, preferably with a broadcast type seeder, windmill hand seeder or approved mechanical power drawn seed drills. Hydro-seeding and hydro-mulching may be used on steep embankments, provided full coverage is obtained. Care shall be taken to adjust the seeder for seedings at the proper rate before seeding operations are started and to maintain their adjustment during seeding. Seed in hoppers shall be agitated to prevent segregation of the various seeds in a seeding mixture.
- C. Immediately after sowing, the seeds shall be covered and compacted to a depth of 1/8 to 3/8-inch by a cultipacker or suitable roller.
- D. Leguminous seeds shall be inoculated prior to seeding with an approved and compatible nitrogen-fixing inoculant in accordance with the manufacturer's mixing instructions.

3.05 Mulching

- A. All seeded areas shall be uniformly mulched in a continuous blanket immediately after seeding. The mulch shall be applied evenly so as to permit sunlight to penetrate and the air to circulate and at the same time shade the ground, reduce erosion and conserve soil moisture. Approximately 45 percent of the ground shall be visible through the mulch blanket.
- B. One of the following mulches shall be spread evenly over the seeded areas at the following application rates:
 - 1. Wood Cellulose Fiber: 1,400 pounds/acre.

2. Straw: 4,000 pounds/acre.
 3. Stalks: 4,000 pounds/acre.
 4. These rates may be adjusted at the discretion of the Engineer at no additional cost to the Owner, depending on the texture and condition of the mulch material and the characteristics of the seeded area.
- C. Mulch on slopes greater than 3 to 1 ratio shall be held in place by the use of an approved mulch binder. Binder shall be thoroughly mixed and applied with the mulch. Emulsified asphalt or cutback asphalt shall be applied at the approximate rate of five gallons per 1,000 square feet as required to hold the mulch in place.
 - D. The Contractor shall cover structures, poles, fences and appurtenances if the mulch binder is applied in such a way that it would come in contact with or discolor the structures.
 - E. Mulch and binder shall be applied by suitable blowing equipment at closely controlled application rates in a manner acceptable to the Engineer.

3.06 Watering

- A. The Contractor shall be responsible for maintaining the proper moisture content of the soil to ensure adequate plant growth until a satisfactory stand is obtained. If necessary, watering shall be performed to maintain adequate water content in the soil.
- B. Watering shall be accomplished by hoses, tank truck or sprinklers in such a way to prevent erosion, excessive runoff and over-watered spots.

3.07 Maintenance

- A. Upon completion of seeding operations, the Contractor shall clear the area of all equipment, debris and excess material and the premises shall be left in a neat and orderly condition.
- B. The Contractor shall maintain all seeded areas without additional payment until final acceptance of the work by the Owner, and any regrading, refertilizing, reliming, reseeding or remulching shall be done at Contractor's own expense. Seeding work shall be repeated on defective areas until a satisfactory uniform stand is accomplished. Damage resulting from erosion, gulleys, washouts or other causes shall be repaired by filling with topsoil, compacting and repeating the seeding work at Contractor's expense.

SEEDING SCHEDULE

General Seeding Areas:	SOWING SEASON	SPECIES	RATES PER 1,000 SQUARE FEET			
			Seed	Fertilizer	Pelletized	Maintenance **
			(lbs)		Lime (lbs)	
Flat to rolling terrain	3/1 to 6/1	Kentucky 31 Fescue	4	30 lbs.	20	15 lbs.
(With slopes less than 3:1)		Ladino White Clover*	1/4	18-24-12		10-10-10
		Annual Ryegrass	2			
	8/1 to 11/1	Kentucky 31 Fescue	4	30 lbs.	20	15 lbs.
		Ladino White Clover*	1/4	6-12-12		10-10-10
		Annual Ryegrass	2			
Embankments	1/1 to 6/1	Crownvetch*	1	30 lbs.	20	10 lbs.
(Slopes greater than 3:1)		Kentucky 31 Fescue	2	18-24-12		0-20-20
		Weeping Lovegrass	1/4			
	8/1 to 11/1	Crownvetch*	1	30 lbs.	20	10 lbs.
		Kentucky 31 Fescue	2	6-12-12		0-20-20
		Annual Ryegrass	2			
Turf Seeding Areas:	1/1 to 6/1	Team-Mates***	7	4 lbs.	20	20 lbs.
		(or approved equal)		18-24-12		

END OF SECTION

QUESTIONS & RESPONSES #1

BASIN B2E SANITARY SEWER REHABILITATION PROJECT ITB# 6542

CITY OF JOHNSON CITY
TENNESSEE

1. **Question:** In Instructions to Bidder it states “One who is designated in the bid form of the pre-qualified specialty subcontractors which will perform the cured-in-place pipe work.” Can you please supply that information?

Response: *SEE ADDENDUM #1*

END OF QUESTIONS & RESPONSES



Pre-Bid Meeting Minutes (via Zoom)

Basin B2E Sanitary Sewer Rehabilitation Project ITB# 6542

November 23, 2021

- Introductions
 - JC Purchasing: Debbie Dillon
 - JC Engineering Staff: Jon Lane, Garrett Dorn
 - LJA Staff; David Kiefer

- Others on the Call:
 - Joe Leher, Kelly Leach, Bradford Dove, Troy Reed, Alicia Chaney, Ryan Mellow

- Purchasing Introduction & Requirements (Debbie Dillon)
 - Reviewed the specific items required for bidding with the city. She emphasized that if there were any questions her office can be contacted directly.

- Project Description and Unique Aspects: David Kiefer reviewed the following aspects of the project
 - Pine Oaks Golf Course Access – Notes on Sheet 5 – Do not access golf course without prior approval and notice. This will be coordinated at pre con meetings and at progress meetings.
 - Miller Lane Access – Construction by others. Notes on Sheet 13. Construction by others may require access from routes off of the mapbook.
 - CSX Ingress/Egress - Allowance. Notes on Sheet 6 – Access to the RR Right of Way could not be done without the use of flaggers as required by CSX entry permits. The purpose of the allowance is to pay the direct cost of the flagging services.
 - Some MH's previously rehabbed – Note that there may be MHs that have been rehabilitated previously but will required CIPP to be installed.
 - Pipe Burst section – Laterals are shown for approximate locations only.

- Update on RFI/Addendum/Plan Holders (LJA Staff)
 - Anticipate addendum #1 Early the week of 29th.
 - Anticipated new bid date December 14.

- Review of Appendix Materials – CCTV/MH Reports (David Kiefer)
 - Bidders were reminded that electronic link sent previously included master spreadsheet, mapbook, and links to most, but not all CCTV and previous manhole inspection reports.
 - Any items found to be missing, contact Vickie Wilhite at LJA.



- Bid Day Actions – Virtual Bid Opening (JC Purchasing)
 - Debbie Dillon reminded bidders that the only time that will be followed will be the time in the purchasing department.

- Questions?
 - It was asked if the entire project manual needed to be provided with the bid. The answer by David Kiefer and Debbie Dillon was no, only the required bid forms are needed. It is not necessary nor preferred to submit the entire project manual for the bid.

