



# CITY OF SPRINGFIELD

## Special Provisions

for

### P21015

## South 59<sup>th</sup> and Aster Drainage Improvements

### Engineer's Seal



Solicitation No. 995

**SPECIAL PROVISIONS  
REGARDING CONTRACTS NOT TO EXCEED \$100,000**

References to number of Divisions, Section, Sub-Section and the like shall mean the 1994 Edition of the Standard Construction Specifications, including all Addenda, Standard Drawings, and other Contractual Documents of the City of Springfield, Lane County, Oregon.

These Special Provisions supplement and amplify certain sections of the City of Springfield, Oregon, [Standard Construction Specifications](#). The Standard Construction Specifications shall apply except as modified herein. These Special Provisions and additional technical specifications may contain occasional requirements not pertinent to the project. However, these specifications shall apply in all particulars insofar as they are applicable to this project.

**SECTION A – General Requirements**

**P21015: South 59<sup>th</sup> and Aster Drainage Improvements**

**A1.1 Applicable Standard Specifications**

The 1994 Edition of the Standard Construction Specifications of the City of Springfield, Oregon, Standard Construction Specifications (including all revisions at date of Quote submittal), shall apply to this quote submittal and construction contract except as may be modified herein. In the case of discrepancy, unless noted otherwise herein, the more restrictive provisions shall apply.

PLEASE NOTE: FOR ALL REQUEST FOR COMPETITIVE PRICE QUOTE PUBLIC IMPROVEMENT CONTRACTS NOT TO EXCEED \$100,000 THE DESCRIPTION SUBSTITUTIONS INDICATED BELOW SHOULD BE USED:

- a) **Bid** should be replaced with **Quote**
- b) **Bidder** should be replaced with **Prospective Contractor**
- c) **Bid Proposal** should be replaced with **Quote Submittal**
- d) **Department of Public Works** should be replaced with **Development and Public Works Department**
- e) **Instruction to Bidders** should be replaced with **Instruction to Prospective Contractor**
- f) **Invitation to Bid** should be replaced with **Request for Competitive Price Quote**
- g) **Proposal** should be replaced with **Quote**
- h) **Proposal Package** should be replaced with **Request for Competitive Quote Package**

**A1.2 Form of Proposal**

**REPLACE SECTION 102.02 “FORM OF PROPOSAL” OF THE STANDARD CONSTRUCTION SPECIFICATIONS:**

“The Proposal and the proposal guarantee in the form of a bid bond, certified check, or cashier’s check, shall be enclosed in a sealed, labeled and addressed envelope, as required in the Instructions to Bidders and filed as required therein. The outside of the envelope shall plainly identify: (1) The project name and (2) The bid opening date.

All Proposals must be clearly and distinctly typed or written with ink or indelible pencil.

All Proposals shall be on the form furnished by Owner, and in addition to necessary unit price items and total prices in the column of totals to make a complete Bid, all applicable blanks giving

general information must be filled in and the Bids signed by an officer or duly authorized representative of the Bidder. Any statement accompanying and tending to qualify a Bid may cause rejection of such Bid, unless such statement is required, in a Proposal embracing alternate Bids. All bid documents except plans must be returned with the Bid.

Unless otherwise specified, Bidders shall bid on all Bid items included in the Proposal, and the low Bidder shall be determined as noted in Subsection 103.01 AWARD OF CONTRACT. Except as provided herein Proposals which are incomplete or fail to comply to all items required in the Proposal may be rejected."

**INSERT IN ITS PLACE THE FOLLOWING:**

"For your quote to be considered responsive by the City of Springfield the following documents must be included with your submission. A complete submittal package will consist of the following documents:

- ✓ Quote Submittal
- ✓ Financial Responsibility Form
- ✓ Minority, Women and Emerging Small Business/Disadvantaged Business Enterprise Form (MWESB)

All quotes shall be on the forms furnished by the City. All applicable blanks giving general information must be filled in and the quote signed by an officer or duly authorized representative of the Contractor. The only exceptions to this requirement are the MWESB and Contract documents. Completion of the MWESB form is voluntary, however it must be submitted with your Quote whether you complete the information or not. If you are awarded the Contract, you will be required to submit a fully executed copy of the Contract upon request. Any statement accompanying and tending to qualify a quote may cause rejection of such quote, unless such statement is required in a quote embracing alternate quotes.

Competitive Price Quotes should be clearly labeled with the project number, project title and the statement *Request for Competitive Price Quote* and submitted to the person and in the manner specified in the Request for Competitive Price Quote document.

All quotes must be clearly and distinctly typed or written with ink or indelible pencil. If, in the opinion of the City, the prices in any quote appear to be unbalanced, incomplete, or fail to comply with all the terms required, the quote may be rejected."

**A1.3 Proposal Guaranty and Organization**

**REPLACE SECTION 102.05 "PROPOSAL GUARANTY AND ORGANIZATION" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:**

"Each Bid must be accompanied by a Bid Bond, cash or a certified or cashier's check upon a bank in good standing, payable to the Finance Director of the City of Springfield, Oregon, in an amount equal to at least 10% of the total amount of the bid. Such Proposal guaranty shall be forfeited and become the property of the City in case the Bidder shall fail or neglect to furnish a satisfactory Performance Bond and Payment Bond and to execute the Contract within 10 days (Saturday, Sunday and holidays excepted) after receiving said Contract from the City for execution. Bid bonds submitted shall be on the form provided by the City in the Bid document."

**INSERT IN ITS PLACE THE FOLLOWING:**

"A Bid Bond will not be required with this Contract."

#### **A1.4 Addenda to Contract Documents**

##### **REPLACE SECTION 102.08 "ADDENDA TO CONTRACT DOCUMENTS" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:**

"Any addenda issued by the Owner, which may include changes, corrections, additions, interpretations, or information, and issued 48 hours or more before the scheduled closing time for filing the Bids, Saturday, Sunday and legal holidays not included, shall be binding upon the Bidder. Owner shall supply copies of such addenda to all Contractors who have obtained copies of the Contract Documents for the purposes of bidding thereon. Failure of the Contractor to receive or obtain such addenda shall not excuse him from compliance therewith, if he is awarded the Contract."

##### **INSERT IN ITS PLACE THE FOLLOWING:**

"Any addenda issued by the City, which may include changes, corrections, additions, interpretations, or information issued 72 hours or more before the scheduled closing time for submitting the quotes shall be binding upon the Contractor. Addenda will be posted to the City's website at <http://www.springfield-or.gov/dpw/CompetitiveQuotes.htm>. The Contractor should check the website frequently for new postings during the open quote period. The City shall make a reasonable effort to notify all individuals, firms, and corporations that were included in the initial solicitation and to those individuals that attended a Pre-Quote Informational meeting and provided contact information on the sign-in sheet when addenda are issued. Failure of the Contractor to receive or obtain such addenda shall not excuse them from compliance, if they are awarded the Contract."

#### **A1.5 Award of Contract**

##### **REPLACE THE 1<sup>ST</sup> PARAGRAPH OF SECTION 103.01 "AWARD OF CONTRACT" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:**

"The award will be made by Owner to the Bidder submitting the lowest acceptable Bid. In determining the lowest acceptable Bid, Owner may take into account, among other factors, the prices bid, discounts if any, time of completion and delivery proposed, as between equal Bids, the relative merits and performance of any items specifically proposed by the Bidder, any variation in maintenance and guarantee periods specifically proposed by the Bidder in excess of any minimum specified, the realistic balance of prices in the Proposals for various parts or units of work, and the experience and ability of Bidder to perform the work."

##### **INSERT IN ITS PLACE THE FOLLOWING:**

"The Contract will be awarded to the Contractor whose quote, in the opinion of the City, will best serve the City's interests. Consideration will be given to price as well as other applicable factors such as, but not limited to, experience, specific expertise, availability, project understanding, contractor capacity and responsibility as specified in ORS 279C.412(2)."

#### **A1.6 Insurance**

##### **REPLACE SECTION 107.06 "INSURANCE" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:**

The Contractor shall provide and maintain general liability, auto liability, property, and workers' compensation insurance for life of this Contract.

General Liability Insurance

The Contractor shall maintain an ISO Commercial General Liability insurance policy (or an equivalent policy approved by Owner) with combined single limits of at least \$1,000,000 per occurrence for bodily injury, personal injury, and property damage and an aggregate limit of at least \$2,000,000. The policy shall include coverage for contractual liabilities.

Comprehensive Automobile Liability Insurance

The Contractor shall maintain an automobile liability insurance policy with combined single limits of at least \$1,000,000 per occurrence for bodily injury, personal injury, and property damage.

Additional Insured Endorsement

The general and automobile insurance policies specified above shall include endorsements naming as an additional insured "the City of Springfield, its agents, employees and officials all while acting within their official capacity as such."

Property Insurance

Depending on the nature of the construction contemplated under this contract, Owner may require Contractor to provide property insurance. Refer to Special Provisions section of this Contract.

Workers' Compensation Insurance

Contractor, its subcontractors, if any, and all employers working under this agreement are subject employers under the Oregon Workers' Compensation Law and shall comply with ORS 656.017, which requires them to provide workers' compensation coverage for all their subject workers.

Contractor is responsible for maintaining workers' compensation insurance for his employees and assuring that his subcontractors, if any, also maintain workers' compensation insurance. Contractor shall defend, indemnify, and hold Owner harmless from any liability for any workers' compensation claims costs, fines, or costs whatsoever arising from Contractor's or his subcontractors' failure to comply with ORS 656.017.

Additional Policies and Special Coverages

Refer to the Special Provisions section of this Contract for additional coverages that may be required.

Certificates of Insurance

Certificates of insurance evidencing all policies required by this Contract shall be delivered to the Owner prior to the commencement of any work. All certificates shall include a 30-day notice of cancellation clause and required additional insured endorsements. The Owner has the right to reject any certificate for unacceptable coverage and/or companies.

**INSERT IN ITS PLACE THE FOLLOWING:**

"INSURANCE

Public Liability and Property Damage

The Contractor shall maintain in force for the duration of this Contract a Commercial General Liability insurance policy written on an occurrence basis with limits not less than \$2,000,000 per occurrence and \$3,000,000 in the aggregate and approved by the City as to terms, conditions and form. The policy will be endorsed with a "per project" aggregate endorsement. Automobile Liability (owned, non-owned, and hired) insurance with limits not less than \$1,000,000 per occurrence shall be maintained. The City, its employees, officials and agents will be named as Additional Insured's where operations are being conducted related to this Contract, on the General Liability policy as respects to work or services performed under this agreement to the extent that the death or bodily injury to persons or damage to property arises out of the fault of

the Contractor or the fault of the Contractor's agents, representatives or subcontractors. The following statement will appear on the face of the certificate; "The City, its employees, officials and agents are all named as additional insured while acting in their capacity as such." The City's additional insured status for Products and Completed Operations hazards shall extend for at least one year beyond the completion of the project. This insurance will be primary over any insurance the City may carry on its own.

#### Workers' Compensation

The Contractor shall provide and maintain Workers' Compensation coverage with limits no less than \$500,000 for its employees, officers, agents, or partners, as required by applicable Workers' Compensation laws. If the Contractor is exempt from this coverage a written statement, signed by the Contractor, explaining the reason for the exemption will be provided to the City prior to commencement of any work.

#### Course of Construction and/or Installation Floater

The Contractor shall maintain in full force for the duration of this contract an All Risk insurance policy approved by the City as to terms, conditions and form covering the replacement cost of the work during the course of construction. The policy shall include the interests of the City and Architect/Engineer, as applicable, and the first two layers of Subcontractors. The amount of insurance shall equal the completed value of the Contract. The City, at its option, may elect to supply this coverage.

#### Asbestos Abatement (only applicable to Asbestos Specific Contracts)

If applicable to this Contract, the Contractor shall maintain in full force a Commercial General Liability policy approved by the City as to terms, conditions and form that is Asbestos Specific with a minimum limit of \$2,000,000 per occurrence and \$3,000,000 in the aggregate written on a form that meets the following criteria as follows:

- a. A full occurrence form, or
- b. A limited occurrence form with at least a three-year (3) tail, or
- c. A claims made form with a three-year (3) tail.

#### Pollution Liability Coverage (only applicable to Pollution Specific Contracts)

If applicable to this Contract, the Contractor shall maintain in full force a Commercial General Liability policy approved by the City as to terms, conditions and form that is Pollution Specific with a minimum limit of \$2,000,000 per occurrence and \$3,000,000 in the aggregate written on a form that meets the following criteria as follows:

- a. A full occurrence form, or
- b. A limited occurrence form with at least a three-year (3) tail, or
- c. A claims made form with a three-year (3) tail.

#### Professional Liability Coverage (only applicable to Contracts if specified)

If Professional Liability insurance is required, the City must approve the terms, conditions and limits prior to commencement of any work.

#### Railroad Protective Liability Coverage

If work being performed under this Contract is near railroad tracks or a railroad right of way and the Railroad requires special insurance (for example: Railroad Protective Liability Coverage) Contractor will be responsible for meeting the Railroad insurance requirements before any work

commences. Any insurance required to be purchased by the Railroad is in addition to the insurance required by the City.

#### Subcontractors

The Contractor shall require all Subcontractors to provide and maintain General Liability, Auto Liability and Workers' Compensation insurance and, as applicable, Professional, Asbestos and Pollution Liability with coverage's equivalent to those required of the General Contractor in this Contract. The Contractor shall require certificates of insurance from all Subcontractors as evidence of coverage.

#### Additional Insured Endorsement

All certificates of insurance, with the exception of Professional Liability and Railroad Protective Liability, must include an endorsement which lists the City of Springfield as a named additional insured. The following statement will appear on the face of the certificate; "The City, its employees, officials and agents are all named as additional insured while acting in their capacity as such."

#### Evidence of Coverage and Notice of Cancellation or Material Change in Coverage

Evidence of the required coverages issued by a company satisfactory of the City shall be provided to the City by way of a certificate of insurance before any work or services commence. A 30-day notice of cancellation or material change in coverage clause shall be included.

If the approved insurance company will not provide this 30 day notice, it shall be the responsibility of the Contractor to provide written notice to the City within two (2) days of the Contractor becoming aware that their coverage has been cancelled or materially changed. The Contractor shall e-mail notification directly to Bob Duey, Finance Director at rduey@springfield-or.gov . Regardless of the circumstances causing the Contractor's insurance coverage to cease or be modified, it is the Contractor's responsibility to notify the City as described above.

Failure to maintain the proper insurance or provide notice of cancellation or material change shall, at the City's option, be grounds for immediate termination of this Contract.

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*(Contractor initials)*

#### Equipment and Material

The Contractor shall be responsible for any loss, damage, or destruction of its own property, equipment, and materials used in conjunction with the work."

### **A1.7 Progress Payment**

#### **REPLACE THE 6<sup>TH</sup> PARAGRAPH OF SECTION 109.07 OF THE STANDARD CONSTRUCTION SPECIFICATIONS:**

Progress payment will be made by the Owner on a monthly basis no later than the 20<sup>th</sup> day of the subsequent month of work performed, except that, additional days may be required when a payment is accompanied by one or more of the following: an extension of completion time, change order or extra bill. Payment may be made via use of checks or warrants at the option of the Owner for the amount of the approved estimate, less retainage.

**INSERT IN ITS PLACE THE FOLLOWING:**

“The scheduled release of payment will depend upon the method of payment selected by the Contractor. If the Contractor elects to receive payment by check, payment will be released no later than the 20<sup>th</sup> day of the month. If the Contractor elects to receive payment by electronic Automated Clearing House (ACH) transfer, the funds will be transferred no later than the fourth Friday of the month. City will endeavor to honor Contractor’s election to receive payment by ACH transfer, however, City reserves the right to make payment via use of check at the sole discretion of the City.”

**A1.8 Oregon Products**

Contractor’s attention is directed to the provisions of Oregon Law, ORS 279A.120 regarding the preference for products that have been manufactured or produced in Oregon. Contractor shall use Oregon-produced or manufactured materials with respect to common building materials such as cement, sand, crushed rock, gravel, plaster, etc., and Oregon-manufactured products in all cases where price, fitness, availability and quality are otherwise equal.

**A1.9 Salvage and Debris**

Unless otherwise indicated on the drawings or in the specifications, all castings, pipe, equipment, demolition debris, fences, trees, shrubs, spoil or any other discarded material or equipment shall become the property of the Contractor and shall be salvaged or disposed of in a manner compliant with applicable Federal, State and local laws and regulations governing disposal of such waste products. No burning of debris or any other discarded material will be permitted. The Contractor shall perform any demolition for the completion of this project and shall salvage and recycle all construction and demolition debris as is feasible and cost effective, in accordance with ORS 279C.510.

**A1.10 Brand Name or Equal Specification**

Brand Name or Equal Specification means a specification that uses one or more manufacturers’ names, makes, catalog numbers or similar identifying characteristics to describe the standard of quality, performance, functionality or other characteristics needed to meet the contracting agency’s requirements. Such specification authorizes Contractors to offer goods or services that are equivalent or superior to those brands named or described in the specification.

END OF SECTION

**SPECIAL PROVISIONS  
REGARDING CONTRACTS NOT TO EXCEED \$100,000**

**SECTION B – Scope of Work**

**P21015: South 59<sup>th</sup> and Aster Drainage Improvements**

**B1. Mobilization - Bid Item No. 201.003.00**

Contractor shall note Section 201, Mobilization, and Sub-Section 201.4.00 in the Standard Construction Specifications.

Measurement and Payment shall be on the basis of lump sum per City of Springfield Specification.

**B2. Clearing And Grubbing – Bid Item No. 203.019.00**

This section covers work necessary to clear, remove and dispose of all debris and vegetation, such as stumps, trees, logs, roots, shrubs, vines, grass and weeds within the designated limits. Preserve from injury or defacement objects and vegetation as are designated to remain in place, and to perform final clearing of the designated area. See standard construction specifications.

Measurement and Payment shall be on the basis of lump sum per City of Springfield Specification.

**B3. Seeding/Mulching – Bid Item 205.042.00**

**Seeding**

Seeding may be performed in any manner that provides soil amendments, broadcast seed in an acceptable delivery system and rate as described below to provide a compost blanket. A tackifier may be required if seed is not expected to germinate and fully mature before the rainy season.

The seeding rates are given by the supplier but should be adjusted based on a minimum acceptable pure live seed (PLS) of 80%. When PLS is below 80% adjust rates accordingly.

- The seedbed should be firm but not compact. The top 3 inches (76 mm) of soil should be loose, moist and free of large clods and stones. For most applications, all stones larger than 2 inches (51 mm) in diameter, roots, litter and any foreign matter should be raked and removed.
- The topsoil surface should be in reasonably close conformity to the lines, grades and cross sections shown on the grading plans.
- Seed should be applied as soon after seedbed preparation as possible, when the soil is loose and moist.
- Always apply seed before mulch, unless seed is applied with a hydraulic matrix.
- Apply seed at the rates specified using calibrated spreaders or hydroseeders so the seed is applied uniformly on the site.
- Apply fertilizer. Seed and fertilizer should be incorporated into the soil by raking or chain dragging, or otherwise floated, then lightly compacted to provide good seed-soil contact.
- After November 1 or if the wet season has started prior to that date, tackifiers/soil binders shall be applied over the seeded areas in addition to a compost blanket or coconut mat.
- Newly seeded areas need to be inspected frequently to ensure the grass is growing. Areas that fail to establish cover adequate to prevent sheet and rill erosion will be reseeded as soon as such areas are identified. Spot seeding can be done on small areas to fill in bare spots where grass did not grow properly.

The seeding rate shall be at least the minimum rate recommended by the supplier for the mix.

**Fertilizer**

**Fertilizer shall be slow release nitrogen and low phosphorus.**

Criteria for designation as an earth-friendly fertilizer:

Slow-release nitrogen:

- Natural organic fertilizer; or
- Synthetic fertilizer with 50% or more W.I.N. or controlled-release component

Low-phosphorus or no-phosphorus:

- Ratio of nitrogen-to-phosphate is 5:1 or greater

*Free of all pesticides (including herbicides); no weed-and-feed.*

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<b>BRAND NAME</b>	<b>N-P-K</b>	<b>% Slow-Release Nitrogen</b>
Corn Gluten Products	9-0-0	85%
Clean Green Soy Fertilizer	7-0-0	High
Fertrell Lawn Fertilizers	9-1-4 or 8-1-8	70% - 85%
Lesco Professional Turf Fertilizer	32-0-10	67%
Ringer Lawn Restore	10-2-6	76%
Scotts Organic Choice Lawn Food	11-2-2	91%
Soil Science	5-0-7	High
Sustane (Lesco product)	18-1-8	79%
Turf Nurture	15-2-7	75%

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*Other products meeting these criteria may be available.*

### **Compost Blanket**

A compost blanket 2" thick min. may be used in lieu of coconut matting (see coconut mat below). The carbon content shall exceed 40% min. Compost must be weed and pesticide free, with manmade materials comprising less than 1%. The "Rexius EcoBlanket" or similar would be acceptable.

**Compost Quality:** Use sanitized, mature compost to ensure that the compost blanket performs as designed and has no identifiable feedstock constituents or offensive odors. The compost used in compost blankets shall meet all local, state, and Federal quality requirements. Biosolids compost must meet the Standards for Class A biosolids outlined in 40 Code of Federal Regulations (CFR) Part 503. The U.S. Composting Council (USCC) certifies compost products under its Seal of Testing Assurance (STA) Program. Compost producers whose products have been certified through the STA Program provide customers with a standard product label that allows comparison between compost products.

*The compost blanket shall be installed promptly after the seeding has occurred.*

**Installation:** The compost should be applied to the soil surface in a uniform thickness, usually between 1 and 3 inches thick. A typical application depth is 2 inches. The compost can be distributed by hand using a shovel or by mechanical means such as a spreader unit (e.g., bulldozer or manure spreader) or pneumatic blower. The compost blanket should extend at least 3 feet over the shoulder of the slope to ensure that stormwater runoff does not flow under the blanket. The pneumatic blower is best for applying compost to steep, rocky, or difficult to reach locations because the worker can stand below the slope and blow the compost up onto the slope in an even thickness or use a vehicle to reach higher slopes. Very coarse compost should be avoided on slopes that will be landscaped or seeded, as it will make planting and crop establishment more difficult. Thicker and/or coarser compost blankets are recommended for areas with higher annual precipitation or rainfall intensity, and coarser compost is recommended for areas subject to wind erosion.

### **Erosion Control Blanket**

- Coconut Fiber Mat: Coconut fiber blanket should be machine-produced mats of 100 percent coconut fiber with biodegradable netting on the top and bottom. The coconut fiber should be attached to the netting with biodegradable thread or glue strips. The coconut fiber blanket should be of consistent thickness. The coconut fiber should be evenly distributed over the entire area of the blanket. Coconut fiber blanket should be furnished in rolled strips with a minimum of 6.5 feet (2 meters) wide, a minimum of 80 feet (25 meters) long and a minimum of 0.05 lbs/ft<sup>2</sup> (0.27 kg/m<sup>2</sup>). Coconut fiber blankets should be secured in place with wire staples. Staples should be made of 0.12 inches (3.05-mm) steel wire and should be U-shaped with 8 inches (20 cm) legs and 2 inches (5 cm) crown.

- Coconut Fiber Mesh: Coconut fiber mesh is a thin permeable membrane made from coconut or corn fiber that is spun into a yarn and woven into a biodegradable mat. It is designed to be used in conjunction with vegetation and typically has longevity of several years. The material is supplied in rolled strips, which should be secured to the soil with U-shaped staples or stakes in accordance with manufacturers' recommendations

Seeding products, equipment and labor are incidental to installation. Measurement and payment is by the square foot inclusive.

**B4. Restoration and Clean-up - Bid Item No. 206.014.00**

This item shall include all work and materials not specifically covered by separate bid items for the restoration of the work site and removal of construction debris. All work areas must be returned to original or better condition or to the satisfaction of the Engineer.

Measurement and payment is by the lump sum.

**B5. Trench Foundation Over Excavation and Subgrade Stabilization - Bid Item No. 301.013.00**

Payment for over-excavation and subgrade stabilization for unsuitable trench foundation conditions will only be considered as approved by the Engineer. Price provided by the Contractor shall include the price for excavating beyond the normal pay limits to the limits pre-approved by the Engineer, disposal of excavated material, furnishing and installing subgrade geotextile fabric, furnishing, placing and compacting crushed rock stabilization material in the excavated void in accordance with the Contract Documents.

Measurement and payment is per ton of crushed rock stabilization material compacted in trench up to the bottom of the design trench depth.

**B6. Television inspection - Bid Item No. 404.022.00**

Measurement and payment for T.V. inspection shall be per linear foot of the 42" storm line inspected as directed and accepted by the Engineer. The culverts do not need T.V. Inspection.

**B7. 42 inch RCP (Class III) Storm Sewer Pipe, Complete in Place - Bid Item No 404.037.00**

Refer to Section 404, Drainage Structures - Storm Sewer Pipe & Fittings. This item shall include all labor and materials necessary to completely install all sizes of storm sewer pipe and fittings as shown on the plans including the trenching, pipe bedding, furnishing and placing the pipe, all connections and backfill.

Bedding shall be **3/4"-0 crushed rock** up to the spring line. Cost of bedding will be incidental to the item for the pipe in place. The pipe shall be backfilled with native material above the spring line.

Measurement and payment shall be per linear foot of pipe in place.

**B8. 72 inch Storm Sewer Manhole, Complete in Place- Bid Item No 404.059.00**

This item shall include all labor and materials necessary to completely install the storm sewer manhole as shown on the plans including the trenching, bedding, furnishing and placing the manhole, all connections and backfill. The City will salvage the existing frame and slotted cover.

Measurement and payment is by the lump sum.

**B9. Salvage and Reuse Existing Culverts (4) and Restore Road - Bid Item No. 404.084.00**

Contractor shall remove and replace existing culverts. The existing gravel road surface shall be restored to a condition equal to or better than original.

Measurement and payment is by the lump sum.

**B10. Erosion Control - Bid Item No. 408.001.00**

Contractor shall follow Section 8 of the City of Springfield Engineering Design and Procedures Manual and Section 8.3 of the Springfield Municipal Code.

Measurement and Payment shall be on the basis of lump sum per City of Springfield Specification.

**B11. Easement** All work shall be performed within the 25' easement indicated on the plan set. The city will stake the easement prior to construction. Request for construction staking shall be made 48 hours in advance.

**B12. Archaeological Inspection** The trenching phase of construction is to be monitored by an archaeologist qualified to recognize traces of prehistoric cultural activity such as lithic debitage, flaked stone tools or cultural features. This monitoring will involve close inspection of the soil as it is removed and visual examination of the exposed soil profile. To coordinate with the trenching, in which short segments must be excavated, laid with pipe and backfilled in a linear sequence from one end to the other, this monitoring will be done in a series of separate inspections over the construction period, such as one for each ~65 feet (20-m) segment of the ~400 feet (120-m) proposed trench or some other agreed sequence. In the event that cultural lithic debris is found in small numbers (fewer than ten items), such items may be collected and recorded on isolate forms transmitted to the SHPO. If larger numbers are found, or if cultural features or human remains are found, construction may cease pending consultation with the SHPO.

The City has retained a qualified archaeologist that will be available to inspect the trench throughout the trenching phase. The City, Archaeologist and Contractor shall coordinate the inspection schedule. **The Archaeologist is available between July 15<sup>th</sup> and July 26<sup>th</sup>, 2013. All excavation must take place during this two week period.**

**B13. Completion Time Limit** – All work shall start after July 1, 2013 and be completed no later than October 15, 2013. See B12 Archaeological Inspection for additional constraints.

END OF SECTION