



IFB #: 16-541
MEXICO ROAD DETENTION BASIN RETROFIT
ADDENDUM 2

Addendum issued November 1, 2016

The following clarifications are hereby incorporated into the Invitation for Bids:

Exhibit A – Pricing Form has been revised to reflect amended soil quantities and unit corrections.

Plan sheet PND-01 is hereby replaced and attached.

Blazing star near the forebay (PND-04, #5) is to be included with bid alternate #2.

Access is only permitted from Mexico Road within existing City owned right-of-way and basin property, unless approved in advance by the City. Work shall minimize disturbance of existing landscaping. The contractor shall be responsible for restoration per the JSPs. No additional payment will be made for sod restoration.

SP-11 Construction Requirements – Contractor shall coordinate shrub/tree removals necessary to accommodate fence construction. Removals to be determined by determined by property owner, and approved by City in advance of installation.

SP-11 Basis of Payment – Shrub/tree removal work and disposal that are necessary to accommodate fence construction are incidental to the Contract.

Bidder Question 1: Please confirm that the maintenance as outlined in SP-10 is confined to only the plant material and seeding installed under this project and that all other mowing in the vicinity is by others. **City Response: Correct. Plant maintenance (watering and mowing) is required per SP-10 for one year after provisional acceptance. This maintenance is confined to the plant material installed under this contract. Existing plants are maintained by others.**

Bidder Question 2: Do we need any permits from the city for this work? **City Response: No.**

Bidder Question 3: Do we have to pay and permit or inspection fees to the city? **City Response: No.**

Bidder Question 4: Plugs will not be available until mid-April even if we order now. **City Response: A revised schedule may need to be considered and must be approved by the City in advance of reasonable progress milestone deadlines. Temporary erosion control will need to be provided per SP-7. All work up to restoration using plugs must be achieved per the Reasonable Progress milestones. At that time, contract calendar days will pause until planting resumes.**

Bidder Question 5: Regarding SP-22, it states that drain pipe material shall be schedule 40 PVC or SDR 21 conforming to City of Wentzville Standard Construction Specifications section 700.28 however, the standard spec. effective 02/24/2016 Division 700 deals with roadways and streets and does not have a section 700.28. This is important because we

need to know what type of pipe joint is required. If a flexible joint is not allowed there will be no way to lay the pipe in a manner that even resembles the curvilinear alignment as designed. Even with flexible joints it will be impossible to obtain the design alignment because the alignment does not use standard 11 ¼, 22 ½ or 45 degree bends and the piping is straight. *City Response: On SP-22, "Drain pipe material shall conform to City of Wentzville Standard Construction Specification 700.28. Schedule 40 PVC or SDR 21" is hereby replaced with "Drain pipe material shall be Schedule 40 PVC or SDR 21 pipe. Filter fabric shall overlap a minimum of 12 inches at seams. Pipe joints shall be solid." Per PND-01, the alignment shown is approximate only. Modifications are expected to accommodate pipe angles, minimize disturbance to existing vegetation and bedrock. On SP-22 Basis of Payment, pipe joints are incidental to unit pricing for PVC pipe unless already outlined on Exhibit A – Pricing Form. On SP-22 Basis of Payment, "composite revetment" is hereby replaced with "drainage pipe".*

Bidder Question 6: I have researched and it has been confirmed by two suppliers that Bid Item 9 is not available. I don't know how to create a clean out that can be rodded 3 different directions without a fitting of that type. Please advise as to a design alternative.

City Response: Concur. The two areas designed with a 4-way connection (at Section A-A and Station 14+17) to accommodate a cleanout will be changed to 1) a 3-way tee connection and a 3-way tee connection for a cleanout immediately upstream at Station 14+17; and 2) a 3-way tee connection and a 90-degree elbow at the upstream end of pipe for a cleanout at Section A-A.

Bidder Question 7: Please provide more information as to the design intent of the Rock Outcropping, Bid Item 35. SP-2 provides dimensional specifications for the rock sizes but the plans do not indicate a completed height for the outcropping. Are the rocks to be stacked?

City Response: City Response: No. There is only one row of rock for the outcrop; sizes shall conform to SP-2.

All other Terms and Conditions as applicable to this Invitation for Bid shall remain as stated.

This addendum forms a part of the contract documents and modifies the original bidding documents dated October 11, 2016. Contractor shall acknowledge receipt of this addendum in the space provided on the Bid Pricing Form (Exhibit A). Failure to do so may subject bidder to disqualification.

End of Addendum 2

Mexico Road Detention Basin Retrofit – IFB #16-541
Exhibit A - Pricing Form

Bidder Name: _____

| Item No. | Description | Unit | Estimated Quantity | Unit Price | Total Price |
|-----------------------------|--|----------|--------------------|------------|-------------|
| 1 | MOBILIZATION | LUMP SUM | 1 | | \$ |
| 2 | UNCLASSIFIED EXCAVATION | CY | 205 | | \$ |
| 3 | AMENDED SOIL | CY | 189 | | \$ |
| 4 | CLASS C EXCAVATION (ROCK) | CY | 22 | | \$ |
| 5 | CONCRETE (4000 PSI) (FOREBAY) | CY | 21 | | \$ |
| 6 | WELDED WIRE FABRIC (FOREBAY) | LB | 252 | | \$ |
| 7 | SAWCUT (ANY DEPTH/MATERIAL) | LF | 31 | | \$ |
| 8 | 90-DEGREE ELBOW, SCHEDULE 40 PVC, 6-INCH, NON-PERF. | EACH | 4 | | \$ |
| 9 | 3-WAY TEE CONNECTION, SCHEDULE 40 PVC, 6-INCH, NON-PERF. | EACH | 6 | | \$ |
| 10 | 6-INCH SCHEDULE 40 PVC PIPE, PERFORATED, 1-INCH DIA. HOLES | LF | 6 | | \$ |
| 11 | 6-INCH SCHEDULE 40 PVC PIPE, PERFORATED, 3/8-INCH DIA. HOLES | LF | 215 | | \$ |
| 12 | 6-INCH SCHEDULE 40 PVC PIPE, SOLID | LF | 210 | | \$ |
| 13 | CLEANOUT SCREW TOP, SCHEDULE 40 PVC | EACH | 6 | | \$ |
| 14 | 6 FOOT VINYL FENCE WITH 5 FOOT GATE | LF | 158 | | \$ |
| 15 | SAND | CY | 12 | | \$ |
| 16 | WASHED STONE, 1" TO 3" NOMINAL SIZE | CY | 68 | | \$ |
| 17 | WASHED STONE, 3" TO 5" NOMINAL SIZE | CY | 7 | | \$ |
| 18 | GRAVEL, 3/8-INCH DIA. NOMINAL SIZE | CY | 12 | | \$ |
| 19 | GRAVEL, 3/4-INCH DIA. NOMINAL SIZE | CY | 12 | | \$ |
| 20 | SPOROBOLUS HETEROLEPIS (PRAIRIE DROPSEED) | EACH | 374 | | \$ |
| 21 | BAYBERRY (MYRICA PENNSYLVANICA) | EACH | 25 | | \$ |
| 22 | SEEDING (BASIN RESTORATION SEED MIX) | ACRE | 0.021 | | \$ |
| Total Base Bid Price | | | | | \$ |

| Alternate #1 | | | | | |
|-------------------------------------|---|------|--------------------|------------|-------------|
| Item No. | Description | Unit | Estimated Quantity | Unit Price | Total Price |
| 23 | EUPATORIUM DUBIUM 'LITTLE JOE' (JOE PYE WEED) | EACH | 95 | | \$ |
| 24 | SCUTELLARIA INCANA (DOWNY SKULLCAP) | EACH | 215 | | \$ |
| 25 | ECHINACEA PURPUREA (PURPLE CONEFLOWER) | EACH | 358 | | \$ |
| 26 | LIATRIS SPICATA 'KOBOLD' (BLAZING STAR) | EACH | 413 | | \$ |
| 27 | RUDBECKIA FULGIDA (BLACK-EYED SUSAN) | EACH | 858 | | \$ |
| 28 | JUNCUS EFFUSES (COMMON RUSH) | EACH | 291 | | \$ |
| 29 | TAXODIUM DISTICHUM (BALD CYPRESS) | EACH | 2 | | \$ |
| Bid Alternate #1 Total Price | | | | | \$ |

Mexico Road Detention Basin Retrofit – IFB #16-541
 Exhibit A - Pricing Form (Continued)

| Alternate #2 | | | | | |
|-------------------------------------|---|------|--------------------|------------|-------------|
| Item No. | Description | Unit | Estimated Quantity | Unit Price | Total Price |
| 30 | AMENDED SOIL | CY | 74 | | |
| 31 | ECHINACEA PURPUREA (PURPLE CONEFLOWER) | EACH | 58 | | \$ |
| 32 | LIATRIS SPICATA 'KOBOLD' (BLAZING STAR) | EACH | 322 | | \$ |
| 33 | RUDBECKIA FULGIDA (BLACK-EYED SUSAN) | EACH | 471 | | \$ |
| 34 | TAXODIUM DISTICHUM (BALD CYPRESS) | EACH | 2 | | \$ |
| 35 | ZIZIA AUREA (GOLDEN ALEXANDERS) | EACH | 45 | | \$ |
| 36 | ROCK OUTCROP | LS | 1 | | \$ |
| Bid Alternate #2 Total Price | | | | | \$ |

Note: In case of mathematical error in price extension(s), unit pricing shall govern.

Total Bid Price with Alternates: \$ _____

Indicate below all Addenda received on which your bid is based:

Addendum No. _____ Dated: _____
 Addendum No. _____ Dated: _____
 Addendum No. _____ Dated: _____

The Contractor understands and agrees that by signing the Invitation for Bid the Bidder is certifying that Contractor employs only personnel authorized to work in the United States in accordance with applicable federal and state laws. This certification applies to State of Missouri Immigration Alien Laws and statutes required local government(s) to have proof of a person's lawful presence within the United States before distributing "Public Benefits" (contracts, purchase orders, etc.) to that Bidder.

Legal Company Name: _____

Indicate whether () Individual; () Partnership; () Corporation, () LLC
 Incorporated in the State of _____.

Authorized Signature: _____

Name (Printed): _____

Title: _____

Business Address: _____

City: _____

State: _____ Zip: _____

Telephone No: _____ Fax No: _____

State Charter #: _____

Email address: _____

ATTEST: _____

Title

Dated

Attach Corporate Seal, if Applicable

Enclosures: Exhibit A – Pricing Form
 Exhibit B – Reference Form
 Exhibit C – Subcontractor Form

Exhibit D – Non-Collusive Affidavit
 Bid Security of 5% of Bid Amount if Bid Amount exceeds
 \$50,000

JASON S. DOHRMANN

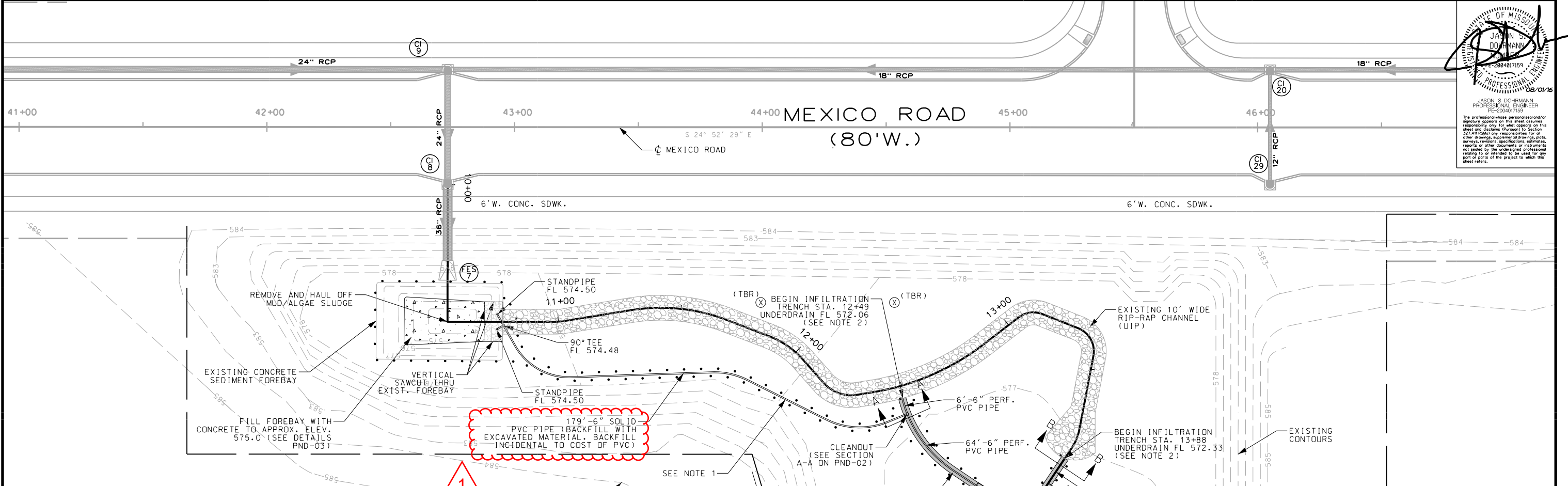
 PROFESSIONAL ENGINEER

 MISSOURI

 License No. 288487159

 08/01/16

The professional whose personal seal and/or signature appears on this sheet assumes responsibility only for what appears on this sheet and disclaims any responsibility for all other drawings, supplemental drawings, plans, surveys, revisions, specifications, estimates, reports or other documents or instruments not created by the undersigned professional engineer. It is intended to be used for any part or parts of the project to which this sheet refers.



| ALIGNMENT INFORMATION FOR INFILTRATION TRENCH | | | | | | | | |
|---|-------|----------|----------------------|--------|---------|--------|-------------|-----------|
| POINT NUMBER | POINT | STATION | CIRCULAR CURVE DATA | | | | COORDINATES | |
| | | | DELTA | RADIUS | TANGENT | LENGTH | N | E |
| 1 (BOP) | PI | 10+00.00 | | | | | 1093493.75 | 722838.03 |
| 2 | PI | 10+55.30 | | | | | 1093470.49 | 722787.86 |
| | PC | 10+98.53 | | | | | 1093431.27 | 722806.04 |
| 3 | PI | 11+00.55 | 9° 16' 21.64" (LT) | 25.00 | 2.03 | 4.05 | 1093429.43 | 722806.90 |
| | PT | 11+02.57 | | | | | 1093427.75 | 722808.03 |
| | PC | 11+29.65 | | | | | 1093405.34 | 722823.23 |
| 4 | PI | 11+49.90 | 30° 13' 27.60" (RT) | 75.00 | 20.25 | 39.56 | 1093388.58 | 722834.60 |
| | PT | 11+69.21 | | | | | 1093368.37 | 722835.99 |
| | PC | 11+87.36 | | | | | 1093350.27 | 722837.23 |
| 5 | PI | 11+95.90 | 27° 25' 41.51" (RT) | 35.00 | 8.54 | 16.75 | 1093341.75 | 722837.81 |
| | PT | 12+04.11 | | | | | 1093333.92 | 722834.40 |
| | PC | 12+16.63 | | | | | 1093322.44 | 722829.41 |
| 6 | PI | 12+24.91 | 57° 46' 56.77" (LT) | 15.00 | 8.28 | 15.13 | 1093314.85 | 722826.11 |
| | PT | 12+31.76 | | | | | 1093308.01 | 722830.77 |
| | PC | 12+38.21 | | | | | 1093302.68 | 722834.41 |
| 7 | PI | 12+63.26 | 28° 07' 13.79" (LT) | 100.00 | 25.04 | 49.08 | 1093281.98 | 722848.51 |
| | PT | 12+87.29 | | | | | 1093270.38 | 722870.71 |
| | PC | 13+05.02 | | | | | 1093262.16 | 722886.42 |
| 8 | PI | 13+10.71 | 59° 08' 16.23" (RT) | 10.00 | 5.67 | 10.32 | 1093259.53 | 722891.45 |
| | PT | 13+15.35 | | | | | 1093253.87 | 722891.77 |
| | PC | 13+30.80 | | | | | 1093238.44 | 722892.65 |
| 9 | PI | 13+39.07 | 79° 12' 26.23" (RT) | 10.00 | 8.27 | 13.82 | 1093230.18 | 722893.12 |
| | PT | 13+44.62 | | | | | 1093228.17 | 722885.09 |
| | PC | 13+74.87 | | | | | 1093220.82 | 722855.75 |
| 10 | PI | 13+78.93 | 22° 54' 14.79" (RT) | 20.00 | 4.05 | 8.00 | 1093219.84 | 722851.82 |
| | PT | 13+82.87 | | | | | 1093220.46 | 722847.81 |
| | PC | 14+20.65 | | | | | 1093226.28 | 722810.49 |
| 11 | PI | 14+32.52 | 61° 23' 10.28" (LT) | 20.00 | 11.87 | 21.43 | 1093228.10 | 722798.76 |
| | PT | 14+42.07 | | | | | 1093218.68 | 722791.54 |
| | PC | 14+61.02 | | | | | 1093203.64 | 722780.01 |
| 12 | PI | 14+79.20 | 100° 55' 48.27" (RT) | 15.00 | 18.17 | 26.42 | 1093189.21 | 722768.95 |
| | PT | 14+87.45 | | | | | 1093202.80 | 722756.89 |
| | PC | 14+98.00 | | | | | 1093210.69 | 722749.88 |
| 13 | PI | 15+03.46 | 39° 59' 47.20" (LT) | 15.00 | 5.46 | 10.47 | 1093214.77 | 722746.26 |
| | PT | 15+08.47 | | | | | 1093215.57 | 722740.86 |
| 14 (EOP) | PI | 15+75.03 | | | | | 1093225.29 | 722675.01 |

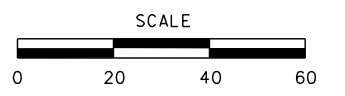
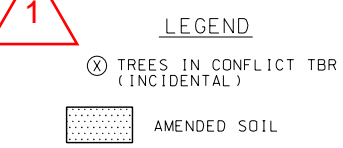
NOTES:

 1. APPROXIMATE ALIGNMENT SHOWN GRAPHICALLY. CONTRACTOR TO MINIMIZE DISTURBANCE OF EXISTING DETENTION BASIN PLANTINGS AND BEDROCK; THEREFORE VARIATIONS TO THIS ALIGNMENT SHOULD BE MADE BASED ON ACTUAL FIELD CONDITIONS OBSERVED AT THE TIME OF CONSTRUCTION.

 2. GRADE ADJACENT AREA TO DRAIN TO INFILTRATION TRENCH. CONTRACTOR TO MINIMIZE DISTURBANCE OF EXISTING DETENTION BASIN PLANTINGS.

 3. SEE SHEET PND-02 FOR INFILTRATION TRENCH PROFILE AND SECTIONS A-A THRU C-C. SEE PND-03 FOR FOREBAY AND INFILTRATION BASIN DETAILS.

 4. SOIL EXCAVATED FROM THE BASIN AREA OR SPOILS FROM THE REQUIRED TRENCHES CAN BE USED TO BACKFILL THE SOLID PVC TRENCH RUN FROM THE FOREBAY TO THE FIRST CLEANOUT. BACKFILL FOR THE SOLID PVC TRENCH TO BE INCIDENTAL TO THE COST OF SOLID 6-INCH PVC PIPE. FROM THE CLEANOUT ONWARD TO THE OUTFALL STRUCTURE, THE INFILTRATION TRENCH AND SURROUNDING AREAS TO BE BACKFILLED USING AMENDED SOILS OR OTHER MATERIALS / PLANTS AS DESCRIBED HEREIN.



DRAWN BY: AJS

 APPROVED: JSD

 CAD DATE: 10/28/2016

 CAD FILE: \\vrgrdfs004\Draws\75150055\CAD\Draws\75150055_02_Pond_01.dgn

| NO. | DATE | BY | REVISION DESCRIPTION |
|-----|----------|-----|---|
| 1 | 10/28/16 | AJS | BACKFILL FOR TRENCH MADE INCIDENTAL TO PVC PIPE |

16020 SWINGLEY RIDGE ROAD, SUITE 205

 ST. LOUIS, MISSOURI 63017

 PHONE: (636) 519.0990

 CORPORATE LICENSE #2002006608

MEXICO ROAD DETENTION BASIN RETROFIT

 CITY OF WENTZVILLE

 ST. CHARLES COUNTY, MISSOURI

MEXICO ROAD

 DETENTION BASIN GRADING PLAN

SHEET NO.

PND-01

 2 of 6