




LOWER PLATTE SOUTH natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581 | P: 402.476.2729 • F: 402.476.6454 | www.lpsnrd.org

Memorandum

Date: October 11, 2019
To: Board of Directors
From: Jared Nelson, District Engineer 
Subject: Urban Subcommittee Meeting Minutes – October 2019

The Urban Subcommittee met at 5:30 pm on Thursday, October 10, 2019 in the District Office to discuss and/or take action on three agenda items. Subcommittee members present included Mike DeKalb, Robert Andersen, Debra Eagan, Luke Peterson, Milt Schmidt, and Tom Green. Members absent included Anthony Schutz, and Ray Stevens. Others present included Paul Zillig, David Potter, Bryce Jensen, Jared Nelson, Al Langdale, and Tracy Zayac; and Ross Lawrence with JEO. Director DeKalb called the meeting to order at 5:30, gave a brief welcome, and reviewed the agenda. The following contains a summary of the meeting and corresponding background information:

(a.) Consideration of bids for the Antelope Creek Pipe Replacement Project

The 2019 Antelope Creek Pipe Replacement Project, replaces four (4) rusted corrugated metal storm drain pipe outfalls to Antelope Creek, along Capitol Parkway upstream of Randolph Street. The District hired JEO Consulting Group who has completed the design, permitting, development of plans. See attached for an example of the typical pipe repair plan, and the Engineer's cost estimate for construction (also known as an 'Opinion of Probable Cost') for \$59,000. This project was advertised for construction on September 19th, and the bid opening was held Thursday morning, October 10th, 2019 and received three bids. If awarded, the contractor may begin work in November, and will have until January 6th, 2020 to substantially complete the work.

Bryce Jensen distributed a letter from JEO with the bid tabulation, and discussed with the Urban Subcommittee JEO's recommendation to award to the lowest responsible bidder, which was Pat Thomas Construction. Discussion followed among the subcommittee and staff regarding the high bid prices which appears to be a common theme lately in the construction industry, especially with all the flood recovery work in this region.

It was moved by Anderson, seconded by Schmidt, and unanimously approved by the Subcommittee to recommend approving the Bid from Pat Thomas Construction in the amount of \$80,105 for the Antelope Creek Pipe Replacement Project.

(b.) Consideration of Amendment #1 to the Professional Services Agreement for additional Construction Services for the Antelope Creek Pipe Replacement Project

The District hired JEO in May for design, permitting, and development of plans and specifications, at an hourly not-to-exceed fee of \$18,885 for the Antelope Creek Pipe Replacement Project. This work has been completed and bids for construction are scheduled to be received October 10, 2019 (see item 'a' above). If awarded, the construction of this project needs to be closely coordinated, monitored and documented due to the urban setting in the City of Lincoln and proximity to Capitol Parkway and Rock Island Trail. Staff received a proposed Amendment #1 from JEO, in order to provide additional construction administration and construction observation services. Subcommittee members and staff briefly discussed this work is needed for the associated construction project, which the Subcommittee recommends moving forward with (in item 'a' above).

It was moved by Eagan, seconded by Green, and unanimously approved by the Subcommittee to recommend approval of the Amendment #1 to the Professional Services Agreement with JEO Consulting Group, for the Antelope Creek Pipe Replacement Project, in an amount not to exceed \$6,530.

(c.) Reports

The final agenda topic included a few updates to the subcommittee. First, Al Langdale gave a status update regarding the USACE Salt Creek Levee Rehabilitation Repairs, which is being completed by the U.S. Army Corps of Engineers (USACE) to address damage caused by the 2019 flood event. The estimated construction cost of repairs, now total nearly \$12 Million, which is 100% paid for by USACE since the NRD is in the PL 84-99 program. It was noted however, that the NRD will need to supply cohesive clay material and topsoil for the project, and land-rights for access and staging, at a cost to the NRD. The USACE has an accelerated timeline for design, slated to be complete in January, 2020.

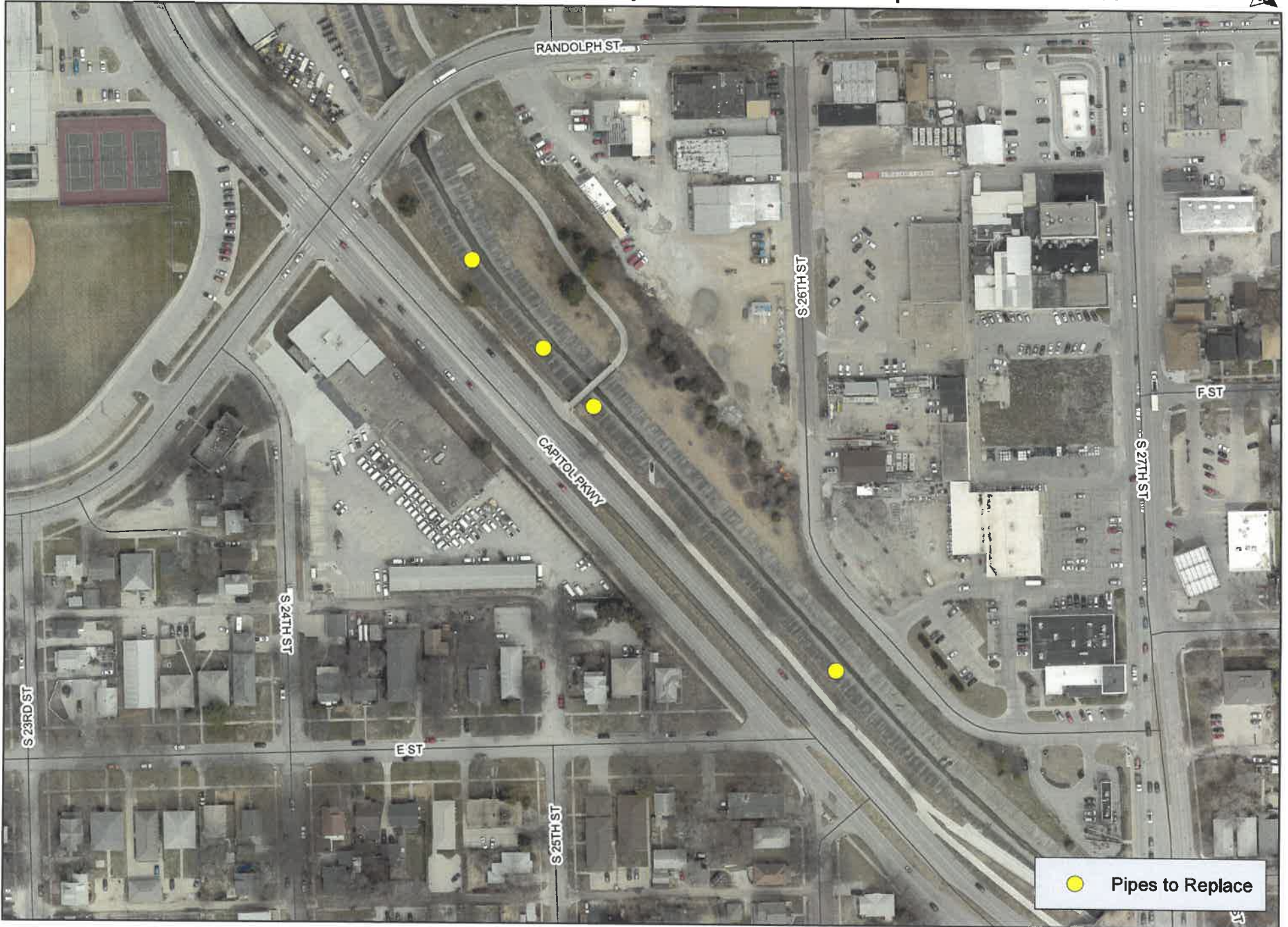
Next, Paul Zillig and Jared Nelson gave updates regarding the Deadmans Run Flood Reduction Project. The USACE hired SOLV, an engineering firm to begin work on the project and will begin surveying along Deadmans Run as early as next week. In addition: the University of Nebraska in Lincoln started work on the physical flume model; the City of Lincoln began acquiring land-rights; and the NRD's geotechnical borings and piezometer installation work is now complete.

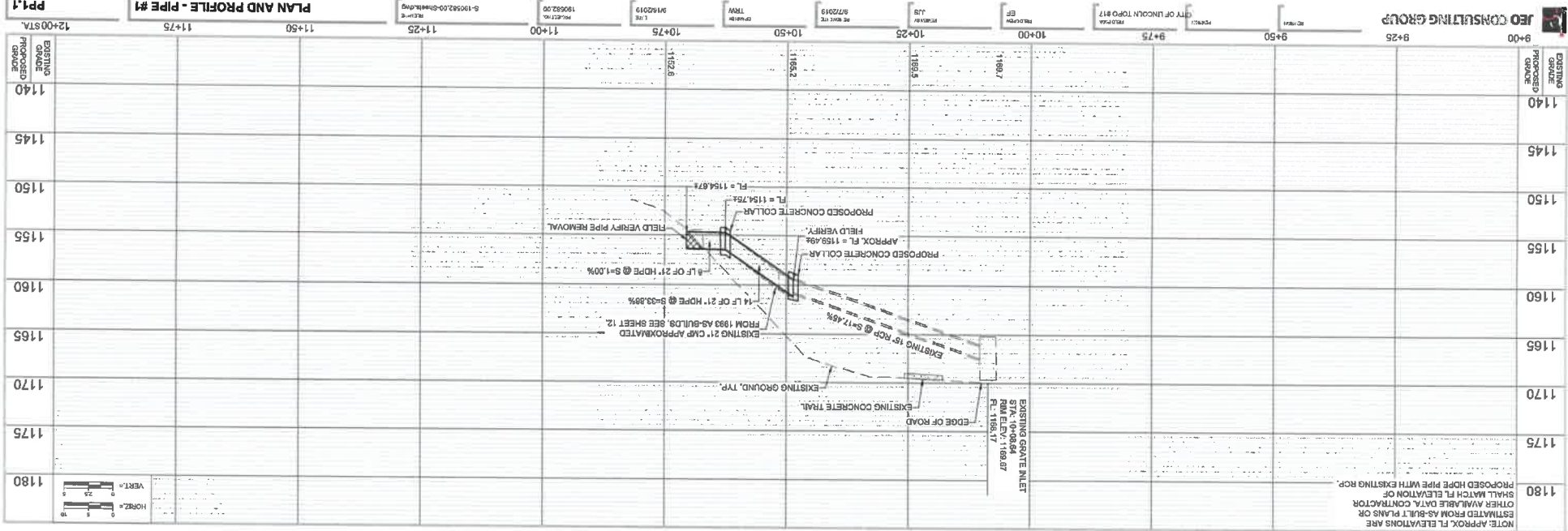
There being no further business the meeting adjourned at 6:00 pm.



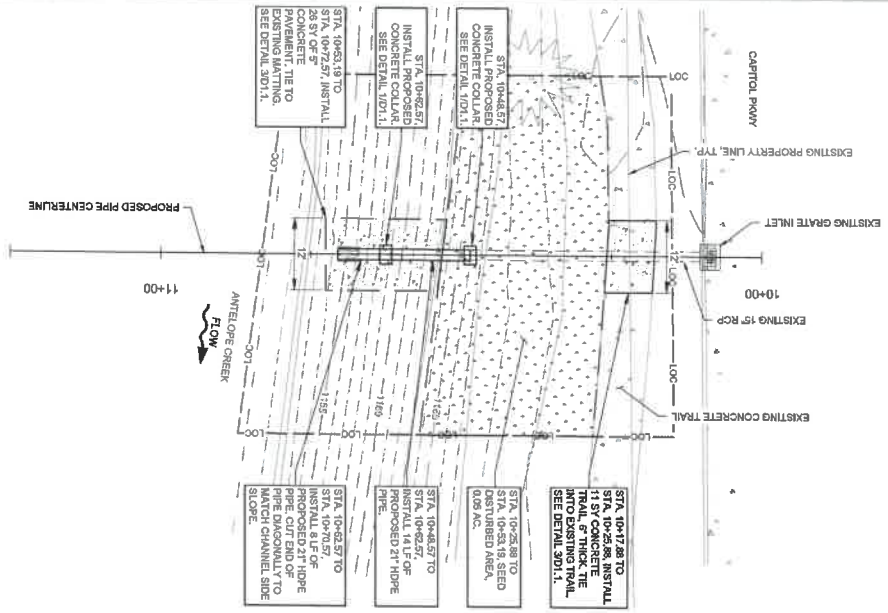
Antelope Creek Pipe Replacement Project - between Randolph and 27th Street

(A.)

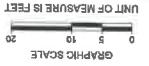




NOTE: APPROX. FL ELEVATIONS ARE ESTIMATED FROM AS-BUILT PLANS OR OTHER AVAILABLE DATA. CONTRACTOR SHALL MATCH HOPE PIPE WITH EXISTING RCP.



- STA. 10+17.28 TO STA. 10+28.15: INSTALL 6" THICK TRAIL OF EXISTING TRAIL INTO EXISTING TRAIL. SEE DETAIL 201.1.
- STA. 10+28.15 TO STA. 10+34.16: SEED DISTURBED AREA. 0.09 AC.
- STA. 10+34.16 TO STA. 10+36.57: INSTALL 14 LF OF PROPOSED 21" HOPE PIPE.
- STA. 10+36.57 TO STA. 10+42.57: INSTALL 14 LF OF PROPOSED 21" HOPE PIPE.
- STA. 10+42.57 TO STA. 10+49.19: PROPOSED 21" HDPE PIPE MAGNALLY TO MATCH CHANNEL SIDE SLOPE.
- STA. 10+49.19 TO STA. 10+72.97: INSTALL 23 SV OF 5" CONCRETE COLLAR. MATCH TO EXISTING MATING. SEE DETAIL 201.1.
- STA. 10+72.97 TO STA. 10+82.57: INSTALL PROPOSED CONCRETE COLLAR. SEE DETAIL 201.1.
- STA. 10+82.57 TO STA. 10+84.57: INSTALL PROPOSED CONCRETE COLLAR. SEE DETAIL 201.1.



ENGINEER'S FINAL OPINION OF PROBABLE COST

LPSNRD Antelope Creek Pipe Replacement

Lincoln, NE

JEO Project No. 190582.00

Date Prepared:
September 9, 2019**ESTIMATE OF QUANTITIES**

Item #	Description	Unit	Quantity	Unit Price	Total	
BASE BID						
1.	Mobilization	LS	1	\$4,000.00	\$4,000	
2.	Bonding and Insurance	LS	1	\$2,000.00	\$2,000	
3.	Traffic Control	LS	1	\$2,500.00	\$2,500	
4.	Remove Trail Pavement	SY	60	\$25.00	\$1,500	
5.	Remove Concrete Mattress	SY	119	\$20.00	\$2,380	
6.	Remove 21" CMP Storm Sewer	LF	51	\$15.00	\$765	
7.	Remove 24" CMP Storm Sewer	LF	23	\$20.00	\$460	
8.	Remove 72" CMP Storm Sewer	LF	31	\$35.00	\$1,085	
9.	21" HDPE Storm Sewer	LF	44	\$125.00	\$5,500	
10.	24" HDPE Storm Sewer	LF	18	\$185.00	\$3,330	
11.	72" HDPE Storm Sewer	LF	19	\$350.00	\$6,650	
12.	21" Concrete Collar	EA	4	\$1,200.00	\$4,800	
13.	24" Concrete Collar	EA	1	\$1,800.00	\$1,800	
14.	72" Concrete Collar	EA	1	\$3,500.00	\$3,500	
15.	5" Concrete Pavement (Concrete Mattress)	SY	119	\$55.00	\$6,545	
16.	6" Concrete Pavement (Concrete Trail)	SY	60	\$70.00	\$4,200	
17.	Seeding, Fertilizer and Erosion Control	AC	0.20	\$10,000.00	\$2,000	
				Construction Subtotal	Base Bid	\$53,020
				Contingency	10%	\$5,310
				Total Opinion of Construction Cost		\$59,000

JEO Consulting Group Inc.'s (JEO) Opinions of Probable Cost provided for herein are to be made on the basis of JEO's experience and qualifications and represent JEO's best judgment. However, since JEO has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions, JEO cannot and does not guarantee that proposals, bids, or actual construction cost will not vary from Opinions of Probable Cost prepared by JEO.



ENGINEERING ■ ARCHITECTURE ■ SURVEYING ■ PLANNING

October 10, 2019

Lower Platte South NRD
Attn: Bryce Jensen
3125 Portia St
Lincoln, NE 68521

RE: Antelope Creek Pipe Replacement
Bid Recommendation
JEO Project No. 190582.00

Dear Mr. Jensen and Board Members:

On October 10, 2019, JEO Consulting Group, representing the NRD, received three (3) bids for the Antelope Creek Pipe Replacement project. Enclosed is a copy of the Bid Tabulation sheet that lists all bidders and their submitted prices.

The low bidder, Pat Thomas Construction, Inc., from Lincoln, NE submitted a total price of **\$80,105.00**. Pat Thomas is qualified and capable of completing the scope of work and has worked for the NRD in the past.

They shall commence work on after November 4, 2019 and will be Substantially Complete by January 6, 2020.

The total price is higher than the Engineer's Opinion of Cost, but still within reason for this project. JEO recommends that the NRD award the project to Pat Thomas Construction at the bid price of **\$80,105.00**

If you have any questions about the enclosed, please contact me at your convenience.

Sincerely,

Ross E. Lawrence, PE, CFM
Project Engineer

Enclosure

- Bid Tabulation



Bid Tab

PROJECT | 2019 Antelope Creek Pipe Replacement for Lower Platte South Natural Resources District

JEO PROJECT NO. | 190582.00

LOCATION | Lincoln, Nebraska

LETTING | 10/10/2019 10:00 AM CDT

Bidder	Total Base Bid
Pat Thomas Construction, Inc. Lincoln, NE	\$80,105.00
MTZ Construction LLC Lincoln, NE	\$96,393.25
H.R. Bookstrom Construction, Inc. Lincoln, NE	\$130,463.00



Tab Sheet

PROJECT | 2019 Antelope Creek Pipe Replacement for Lower Platte South Natural Resources District

JEO PROJECT NO. | 190582.00

LOCATION | Lincoln, Nebraska

				Pat Thomas				MTZ
BASE BID								
Item	Qty.	Unit	Description	Unit Price	Total	Unit	Total	
1	1	LS	Mobilization		\$3,500.00		\$9,000.00	
2	1	LS	Bonding and Insurance		\$1,500.00		\$3,800.00	
3	1	LS	Traffic Control		\$750.00		\$3,850.00	
4	60	SY	Remove Trail Pavement	\$28.00	\$1,680.00	\$18.00	\$1,080.00	
5	119	SY	Remove Concrete Mattress	\$90.00	\$10,710.00	\$48.75	\$5,801.25	
6	51	LF	Remove 21" CMP Storm Sewer	\$80.00	\$4,080.00	\$55.00	\$2,805.00	
7	23	LF	Remove 24" CMP Storm Sewer	\$80.00	\$1,840.00	\$68.00	\$1,564.00	
8	31	LF	Remove 72" CMP Storm Sewer	\$80.00	\$2,480.00	\$115.00	\$3,565.00	
9	44	LF	18" HDPE Storm Sewer	\$135.00	\$5,940.00	\$188.00	\$8,272.00	
10	18	LF	24" HDPE Storm Sewer	\$185.00	\$3,330.00	\$195.00	\$3,510.00	
11	19	LF	60" HDPE Storm Sewer	\$265.00	\$5,035.00	\$334.00	\$6,346.00	
12	4	EA	18" Concrete Collar	\$1,450.00	\$5,800.00	\$2,150.00	\$8,600.00	
13	1	EA	24" Concrete Collar	\$1,850.00	\$1,850.00	\$2,600.00	\$2,600.00	
14	1	EA	60" Concrete Collar	\$2,500.00	\$2,500.00	\$5,895.00	\$5,895.00	
15	119	SY	5" Concrete Pavement (Concrete Mattress)	\$190.00	\$22,610.00	\$135.00	\$16,065.00	
16	60	SY	6" Concrete Pavement (Concrete Trail)	\$90.00	\$5,400.00	\$94.00	\$5,640.00	
17	0.2	AC	Seeding, Fertilizer and Erosion Control	\$5,500.00	\$1,100.00	\$40,000.00	\$8,000.00	
TOTAL BASE BID					\$80,105.00		\$96,393.25	



Tab Sheet

PROJECT | 2019 Antelope Creek Pipe Replacement for Lower Platte South Natural Resources District

JEO PROJECT NO. | 190582.00

LOCATION | Lincoln, Nebraska

							H.R. Bookstrom	
BASE BID								
Item	Qty.	Unit	Description	Unit Price	Total	Unit	Total	
1	1	LS	Mobilization		\$11,000.00			
2	1	LS	Bonding and Insurance		\$2,400.00			
3	1	LS	Traffic Control		\$13,000.00			
4	60	SY	Remove Trail Pavement	\$6.00	\$360.00			
5	119	SY	Remove Concrete Mattress	\$6.00	\$714.00			
6	51	LF	Remove 21" CMP Storm Sewer	\$60.00	\$3,060.00			
7	23	LF	Remove 24" CMP Storm Sewer	\$60.00	\$1,380.00			
8	31	LF	Remove 72" CMP Storm Sewer	\$150.00	\$4,650.00			
9	44	LF	18" HDPE Storm Sewer	\$360.00	\$15,840.00			
10	18	LF	24" HDPE Storm Sewer	\$390.00	\$7,020.00			
11	19	LF	60" HDPE Storm Sewer	\$660.00	\$12,540.00			
12	4	EA	18" Concrete Collar	\$2,000.00	\$8,000.00			
13	1	EA	24" Concrete Collar	\$2,110.00	\$2,110.00			
14	1	EA	60" Concrete Collar	\$6,830.00	\$6,830.00			
15	119	SY	5" Concrete Pavement (Concrete Mattress)	\$221.00	\$26,299.00			
16	60	SY	6" Concrete Pavement (Concrete Trail)	\$221.00	\$13,260.00			
17	0.2	AC	Seeding, Fertilizer and Erosion Control	\$10,000.00	\$2,000.00			
TOTAL BASE BID					\$130,463.00			

Amendment #1
Lower Platte South NRD – Antelope Creek Pipe Replacement
JEO Project No. 190582.00

Project Understanding:

JEO proposes to amend the Agreement signed May 20, 2019 and provide engineering services to assist the Lower Platte South NRD (Owner) with construction services for the Antelope Creek Pipe Replacement project. The project has been designed and is advertised to bid, with a letting date of October 10.

Scope of Services:

In addition to the existing tasks in the original Agreement, JEO proposes to provide the following Scope of Services.

Task 600 – Construction Services

Task 610 – Resident Project Representative (RPR)

- JEO will provide part-time RPR services to observe construction of the project. RPR services include:
 - o Facilitate a pre-construction meeting
 - o Review of the contractor's work for general compliance with the plans and specifications
 - o Review, coordinate, and document construction progress
 - o Complete field reports and collect photographs to document the work

Task 620 – Construction Administration

- JEO will provide construction administration services including:
 - o Contractor and NRD coordination
 - o Review of shop drawings and material certifications
 - o Review of material testing results
 - o Review of payment requests
 - o Processing change orders, if needed
 - o Develop punch list
 - o Project close-out and substantial completion documentation

Task 630 – Survey Staking

- JEO will provide construction staking to establish reference points and the general layout of the work
- Staking of the proposed improvements will be completed during one trip

Task 640 – Post Construction

- JEO will assist the Owner during the 12-month warranty period with questions and coordination with the Contractor for warranty period correction items.
- Issue 11-month warranty letter to the Owner and Contractor. Conduct field reviews of the project should a field inspection be necessary.
- Issue a warranty period correction letter to the Contractor for warranty repair items, if necessary.

Meetings:

- Pre-construction meeting
- Routine on-site meetings with the Contractor and Owner during construction
- Final walk-through with the Contractor and Owner when construction is complete

Task Deliverables:

- Pre-Construction meeting agenda and notes
- Reviewed shop drawings
- Reviewed payment requests
- Change orders, if necessary
- Construction photos
- Punch list
- Certificate of Substantial Completion

Key Understandings/Assumptions:

- Assumes construction is substantially complete on or before January 6, 2020 and completed and ready for final payment on or before March 15, 2020. Post-construction services are assumed to be complete within 12 months of substantial completion date.
- Assumes RPR and Construction Administration (Task 610 and Task 620) will be limited to 40 total hours.
- Material testing and coordination is the responsibility of the Contractor.
- Board meeting attendance and/or progress updates are not included but can be added if desired.
- If construction duration exceeds the anticipated schedule or additional oversight is needed, an amendment to the contract may be required and will be coordinated with the Owner.

Amendment Fee

JEO proposes to perform the described services at an hourly not-to-exceed fee as included in the following schedule:

Task 610 – RPR.....	\$2,820
Task 620 – Construction Administration.....	\$2,300
Task 630 – Survey Staking.....	\$735
Task 640 – Post Construction.....	\$675

Amendment Total **\$6,530**

Original Agreement \$18,885

Project Total \$25,415

*The Project Fee schedule is an estimate of the fee distribution between tasks. JEO reserves the right to invoice in excess of the individual task amount, provided the total fee does not exceed the project total.

Amendment Accepted:

Owner

Lower Platte South NRD

By: _____

Title: _____

Date Signed: _____

Engineer

JEO Consulting Group, Inc.

By: Ross Lawrence 

Title: Project Engineer

Date Signed: 10-2-19