

DRAINAGE MEETING  
DISTRICT GRANT #5  
AUGUST 13, 2019

The Story County Drainage District Trustees met in the Public Meeting Room at the Story County Administration Building in Nevada, IA to consider accepting Design Plans and Specifications and Bid Documents for the West Tile Improvement Project to Drainage District Grant #5. Members present were Linda Murken and Lauris Olson. Also present were County Engineer Darren Moon, Attorney Jessica Reynolds, Drainage Clerk Scott Wall, Drainage Engineer Kent Rode of Bolton & Menk, and two landowners in the district, Ron Jensen and Roger Maddux.

Murken called the meeting to order at 9:40 a.m.

Rode gave a summary (attached) of the Design Plans and Specifications for the West Tile Improvement to Grant #5. The proposed work is separated into 5 divisions which will be bid separately. Bidders must bid on all 5 divisions. The contract can be awarded for all 5 divisions or any combination of fewer than 5 divisions at the trustees' discretion. Notice of the project will be published twice in local papers, posted on QwestCDN, an electronic plan room used by contractors, and emailed to prospective contractors. Tentative dates are a bid opening on September 5 and bid selection on September 10 with construction to commence on receipt of signed contracts and to be completed by December 1, 2020. Total estimated project cost is \$1,542,000. Payment of project cost can be made in installments over 10 to 20 years. Rode recommends 20 years for this project.

Rode said he had been made aware that there were concerns about proceeding with this project prior to annexing the land into Grant #5. This project is unique in that it creates a second outlet for land being annexed into an existing drainage district rather than directing the water to the existing facility. If the project were to not move forward the annexation will look very different or if part of the project is not done that would also affect the scope of the annexation. Sometimes, in the course of construction, unforeseen factors can alter the size of the area to be annexed. If the annexation is done first the area being annexed may have to be modified when construction is complete.

On the current timeline bids would be received and opened on September 5 and the contract would be awarded September 10. The annexation would then be done in the spring of 2020 concurrently with reclassification. The annexation schedule can be moved up and be submitted to the trustees by September 10 in a public hearing that would also award the contract.

Reynolds said her primary concern with annexing following project completion is that it would create distrust between landowners and trustees. She appreciated Rode's willingness to move the annexation report earlier in the process and felt that it would be acceptable to submit it at the same time as the selection of a winning bid.

Olson said she had been gone for a few days and was unaware of this development until now. She had been under the impression that the annexation was going to be done at the same time as the plans and specifications. There are repairs to the main ditch that the trustees are required to do. At what point do those get done?

Wall said he'd started questioning the timeline after Martha Clifford, a landowner in the west annexation area, called about today's meeting and was concerned about landowners being informed of progress on this project. She'd asked several questions about the annexation and wanted to see the annexation report as soon as it was available. Following the call Wall had started wondering about the propriety of beginning the project without an annexation.

Reynolds said Clifford's concerns were just what she would like to alleviate by getting the annexation report to the landowners earlier in the process so they don't feel left out.

Moon asked Rode what authority the district had for entering private lands to construct the improvement before those lands are annexed.

Rode said he would have to defer to Reynolds on that question.

Reynolds said that is another issue that can be avoided by having the annexation report submitted at the same time as a bid is selected.

Murken asked how long the annexation process would take.

Rode said if we file on September 10 Code of Iowa requirements for notice of a public hearing would place that hearing on October 29. His timeline had construction beginning as early as October 1 but than can be pushed back until after the hearing.

Murken asked if the open ditch cleanout was separate from this project.

Rode replied that it was and it has not been approved. It is part of the Engineer's Report (on file in the Auditor's Office) and that report is valid for 10 years. It is not a part of this project and he does not recommend that it be done at this time.

Wall asked if we clean out the existing ditch before the improvements recommended in the report and those improvements are done at a later time will we have to do additional work on the existing ditch.

Rode said he'd have to check the report but he did not believe the proposed improvements required anything beyond cleaning the existing ditch. What he gathered from the hearing in December was that the trustees wanted to do the west tile improvement before doing anything to existing facilities.

Wall said that was reflected in the December 2018 minutes. Many of the landowners in the existing district wanted the west tile project to be done first so we can see what effect it had on how much water is entering the existing district facilities.

Jensen said that was his recollection as well. Everything else was going to be put on hold until this project was done because the current landowners don't want to spend the money to clean out the existing ditch.

Murken said the open ditch is not on the agenda today so the trustees cannot make any decisions about that part of Grant #5 at this time.

Olson said she felt it was reasonable to discuss the effect this project might have on the rest of Grant #5, including the open ditch. Olson said her understanding at this point is that the annexation will be filed on September 10 and presented to landowners on October 29. Would it be better to wait to award the bid at the October 29 hearing? Aren't bids valid for at least 30 days? The October 29 meeting should be in the evening so landowners can attend.

Rode said bids are valid for 60 days.

Murken said if we aren't going to award the bid until October 29 can we push back the bid opening to late September/early October?

Rode suggested a bid opening in the morning of October 24 and a public hearing for the Annexation Report and bid selection in the evening on October 29.

Olson moved, seconded by Murken, to direct Kent Rode to submit the Annexation Report at 9:30 a.m. on September 10, 2019 and to accept the plans and bid documents with the following changes: that a bid opening be held at 10:00 a.m. on October 24 and that the bid selection be held at the same time as the Annexation Report is presented to landowners in a public hearing at 6:00 p.m. on October 29 at this location. Motion carried unanimously (MCU).

Olson moved, seconded by Murken, to adjourn. MCU. Meeting adjourned at 10:05 a.m.

Rode collected the Plans and Specifications he had submitted as the dates on those documents will have to be updated.

Respectfully submitted,

A handwritten signature in black ink that reads "Scott T. Wall". The signature is written in a cursive style with a large initial 'S' and 'W'.

Scott T. Wall

# SIGN-IN SHEET

Ron Jensen Jensen3358@gmail.com - Nevada  
Roger Maddux ~~#~~ maddux@iastate.edu  
Darren Moon.





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## PROJECT SUMMARY

WEST MAIN TILE IMPROVEMENT  
DRAINAGE DISTRICT NO. 5 GRANT  
STORY COUNTY, IOWA  
BMI PROJECT NO. P13.115597

1. Project Description: This project consists of five separate construction divisions.

Division 1 consists of construction of approximately 7,490 linear feet of 42" diameter RCP tile, 2,548 linear feet of 36" diameter RCP tile, 3,569 linear feet of 30" diameter RCP tile, 1,364 linear feet of 24" diameter RCP tile, 1,093 linear feet of 18" diameter RCP tile, 509 linear feet of 12" diameter RCP tile, one 96" diameter circular manhole, cross connections with the existing tile, connections to both existing private tile and district facilities to the new tile, and all other miscellaneous items related thereto.

Division 2 consists of construction of approximately 1,481 linear feet of 30" diameter RCP tile, 512 linear feet of 15" diameter RCP tile, 1,762 linear feet of 12" diameter RCP tile, cross connections with the existing tile, connections to both existing private tile and district facilities to the new tile, and all other miscellaneous items related thereto.

Division 3 consists of 100 linear feet of 42" diameter steel pipe jack and bored under the City of Ames right-of-way.

Divisions 4 consists of 66 linear feet of 36" diameter RCP tile and 66 linear feet of 30" RCP tile open cut across the Story County road right-of-way.

Division 5 consists of 66 linear feet of 12" diameter RCP tile open cut across the Story County road right-of-way.

Bidders must bid on all Divisions. The Drainage District Trustees will select any combination of Divisions in the best interest of the drainage district.

Award of Contract will be based on any combination of divisions whatever is in the best interest of the drainage district. All bidders will be required to complete all divisions of the "Proposal, Attachment C, Bid Item and Quantities" to be considered for award.

August 13, 2019

2. Notice to Bidders: Notice to Bidders will be published once a week for two consecutive weeks prior to bid opening. Will be distributed via QuestCDN and emailed to prospective contractors upon approval of plans and specifications by the Board of Supervisors

3. Bid Opening: Preliminarily set for Thursday, September 5<sup>th</sup>, 2019 at 10:00 a.m.  
Public Meeting Room of the Drainage District Trustees  
900 6<sup>th</sup> Street,  
Nevada, Iowa 50201

Bid Consideration: Preliminarily set for Tuesday, September 10<sup>th</sup>, 2019 at 9:30 a.m.

4. Project Estimate: Engineer's Opinion of Probable Construction Cost:

Division 1 – West Main Tile Improvement – \$1,248,000.00

Division 2 – Lateral 1 Tile Improvement – \$148,000.00

Division 3 – City Road Crossing – \$107,000.00

Division 4 – County Road Crossing – \$28,000.00

Division 5 – County Road Crossing – \$11,000.00

Total – \$1,542,000.00

5. Bid Security: 5% of Bid

6. Sales Tax: Sales Tax Exemption Certificates will be provided by the County Auditor

7. Completion Date: Work on the improvement shall commence upon receipt of signed contracts and as stated in the Notice to Proceed. Work must be substantially completed before December 1, 2020.

8. Liquidated Damages: \$500.00/Day

9. Landowner Notice: Letters will be sent to the owners where the work will be done informing them who will be doing the work and who to contact. The owners will be advised that work limit stakes will be marked along the full project site. They will be informed about the contract completion hearing and that damages measurements will be done by the engineer for use in this hearing. They will be asked to inform their tenants of the work plans.

10. Contract Submittal Requirements:

Performance Bond - one year from completion of project  
Insurance requirements per SUDAS Specifications

**Engineer's Opinion of Probable Cost  
West Main Tile Improvement  
Drainage District No. 5 Grant  
Story County, Iowa  
2019**

**Division 1 - West Main Tile Improvement**

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total</u>
101	Lateral Tile Connections, 10" Dia. Or Smaller	EA	20	\$300	\$6,000
102	Lateral Tile Connections, 12" Dia. Or Larger	EA	11	\$500	\$5,500
103	42" Dia. R.C.P. Elbow Section, Fabrication Only	EA	11	\$800	\$8,800
104	36" Dia. R.C.P. Elbow Section, Fabrication Only	EA	7	\$700	\$4,900
105	30" Dia. R.C.P. Elbow Section, Fabrication Only	EA	6	\$600	\$3,600
106	24" Dia. R.C.P. Elbow Section, Fabrication Only	EA	2	\$500	\$1,000
107	42" To 36" R.C.P. Pipe Reducer, Fabrication Only	EA	1	\$800	\$800
108	30" To 24" R.C.P. Pipe Reducer, Fabrication Only	EA	1	\$600	\$600
109	24" To 18" R.C.P. Pipe Reducer, Fabrication Only	EA	1	\$500	\$500
110	18" To 12" R.C.P. Pipe Reducer, Fabrication Only	EA	1	\$400	\$400
111	Geotextile Fabric	SY	75	\$3	\$225
112	Exploratory Excavation	HR	12	\$200	\$2,400
113	Erosion Management Plan	LS	1	\$1,500	\$1,500
114	Clearing and Grubbing	LS	1	\$2,500	\$2,500
115	Trench Foundation Stone	TN	1,660	\$25	\$41,500
116	Drain Tile, Trenched, 2000D R.C.P., 42" Dia.	LF	7,490	\$85	\$636,650
117	Drain Tile, Trenched, 2000D R.C.P., 36" Dia.	LF	2,548	\$70	\$178,360
118	Drain Tile, Trenched, 2000D R.C.P., 30" Dia.	LF	3,569	\$50	\$178,450
119	Drain Tile, Trenched, 2000D R.C.P., 24" Dia.	LF	1,364	\$40	\$54,560
120	Drain Tile, Trenched, 2000D R.C.P., 18" Dia.	LF	1,093	\$30	\$32,790
121	Drain Tile, Trenched, 2000D R.C.P., 12" Dia.	LF	509	\$20	\$10,180
122	SW-401 Circular Storm Sewer Manhole-84" Dia.	EA	1	\$10,500	\$10,500
123	SW-512 Circular Storm Sewer Intake-18" Dia.	EA	1	\$2,000	\$2,000
124	Riprap, IDOT Class E	TN	60	\$45	\$2,700
125	Fence Cuts	EA	6	\$500	\$3,000
126	Mobilization	LS	1	\$58,585	\$58,585

**Estimated Division 1 Construction Total    \$1,248,000**

**Engineer's Opinion of Probable Cost  
West Main Tile Improvement  
Drainage District No. 5 Grant  
Story County, Iowa  
2019**

**Division 2 - Lateral 1 Tile Improvement**

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total</u>
201	Lateral Tile Connections, 10" Dia. Or Smaller	EA	10	\$300	\$3,000
202	Lateral Tile Connections, 12" Dia. Or Larger	EA	1	\$500	\$500
203	12" Dia. R.C.P. Elbow Section, Fabrication Only	EA	2	\$250	\$500
204	30" to 15" R.C.P. Pipe Reducer, Fabrication Only	EA	1	\$550	\$550
205	15" to 12" R.C.P. Pipe Reducer, Fabrication Only	EA	1	\$350	\$350
206	12" RCP End Cap, Fabrication Only	EA	1	\$200	\$200
207	Exploratory Excavation	HR	6	\$200	\$1,200
208	Trench Foundation Stone	TN	375	\$25	\$9,375
209	Drain Tile, Trenched, 2000D R.C.P., 30" Dia.	LF	1,481	\$50	\$74,050
210	Drain Tile, Trenched, 2000D R.C.P., 15" Dia.	LF	512	\$25	\$12,800
211	Drain Tile, Trenched, 2000D R.C.P., 12" Dia.	LF	1,762	\$20	\$35,240
212	Fence Cuts	EA	5	\$500	\$2,500
213	Mobilization	LS	1	\$7,735	\$7,735

**Estimated Division 2 - Construction Total      \$148,000**

**Division 3 - City Road Crossings**

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total</u>
301	Drain Tile, Trenchless Steel, 0.344" Wall, 42" Dia.	LF	100	\$1,000	\$100,000
302	Traffic Control	LS	1	\$1,500	\$1,500
303	Silt Fence, Installation and Removal	LF	80	\$5	\$400
304	Mobilization	LS	1	\$5,100	\$5,100

**Estimated Division 3 - Construction Total      \$107,000**

**Engineer's Opinion of Probable Cost  
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Drainage District No. 5 Grant  
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**Division 4 - County Road Crossings**

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total</u>
401	Trench Compaction Testing	LS	1	\$2,500	\$2,500
402	Drain Tile, Trenched, 3000D R.C.P., 36" Dia.	LF	66	\$75	\$4,950
403	Drain Tile, Trenched, 3000D R.C.P., 30" Dia.	LF	66	\$55	\$3,630
404	Class A Crushed Stone	SY	534	\$25	\$13,350
405	Traffic Control	LS	1	\$1,500	\$1,500
406	Silt Fence, Installation and Removal	LF	80	\$5	\$400
407	Mobilization	LS	1	\$1,670	\$1,670

**Estimated Division 4 - Construction Total      \$28,000**

**Division 5 - County Road Crossing**

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total</u>
	Trench Compaction Testing	LS	1	\$2,500	\$2,500
	Drain Tile, Trenched, 3000D R.C.P., 12" Dia.	LF	66	\$25	\$1,650
	Class A Crushed Stone	SY	166	\$25	\$4,150
	Traffic Control	LS	1	\$1,500	\$1,500
	Silt Fence, Installation and Removal	LF	80	\$5	\$400
	Mobilization	LS	1	\$800	\$800

**Estimated Division 5 Construction Total      \$11,000**