

**NOTICE OF SPECIAL TELEPHONE/VIDEO
CONFERENCE MEETING**

December 22, 2020

MONTGOMERY CITY COUNCIL

STATE OF TEXAS

AGENDA

COUNTY OF MONTGOMERY

CITY OF MONTGOMERY

NOTICE TO THE PUBLIC IS HEREBY GIVEN in accordance with the order of the Office of the Governor issued March 16, 2020, the Montgomery City Council will conduct a Special Meeting scheduled for **6:00 p.m. on Tuesday, December 22, 2020**, at City of Montgomery City Hall, 101 Old Plantersville Road, Montgomery, Texas via Zoom Teleconferencing.

This meeting will be closed to in-person attendance by the public. A temporary suspension of the Open Meetings Act to allow telephone or videoconference public meetings has been granted by Governor Greg Abbott. These actions are being taken to mitigate the spread of COVID-19 by avoiding meetings that bring people into a group setting and in accordance with Section 418.016 of the Texas Government Code. Telephonic and videoconferencing capabilities will be utilized to allow individuals to address the City Council. *Members of the public who wish to submit their written comments on a listed agenda item must submit their comments by email to rtramm@ci.montgomery.tx.us by 3:00 p.m. on December 22, 2020.*

Members of the public are entitled to participate remotely via Zoom Teleconferencing. Citizens may join the Zoom Meeting by logging on at <https://us02web.zoom.us/j/82242312432> and using **Meeting ID: 822 4231 2432**. They may also join by calling (346) 248-7799 and entering the **Meeting ID: 822 4231 2432**. The Meeting Agenda Pack will be posted online at www.montgomerytexas.gov. The meeting will be recorded and uploaded to the City's website.

Notice - any person(s) using profane, abusive or threatening language may result in them being removed from the Teleconference Meeting.

CALL TO ORDER

INVOCATION

PLEDGE OF ALLEGIANCE TO FLAGS

VISITOR/CITIZENS FORUM:

Any citizen with business not scheduled on the agenda may speak to the City Council. Prior to speaking, each speaker must be recognized by the Mayor. City Council may not discuss or take any action on an item but may place the issue on a future agenda. The number of speakers along with the time allowed per speaker may be limited.

CONSIDERATION AND POSSIBLE ACTION:

1. Consideration and possible action regarding appointment of Municipal Court Judge and Associate Municipal Court Judge. (*Action Tabled at 12/08/20 City Council Meeting*)
2. Consideration and possible action regarding acceptance of the bid and award of the construction contract for Water Plant No. 3 Improvements.

3. Consideration and possible action regarding acceptance of the Town Creek Watershed Study.
4. Update on MUD 160 – LeFevre Property.

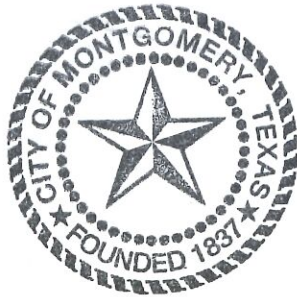
EXECUTIVE SESSION:

The City Council reserves the right to discuss any of the items listed specifically under this heading or for any items listed above in executive closed session as permitted by law including if they meet the qualifications in Sections 551.071(consultation with attorney), 551.072 (deliberation regarding real property), 551.073 (deliberation regarding gifts), 551.074 (personnel matters), 551.076 (deliberation regarding security devices), and 551.087 (deliberation regarding economic development negotiations) of

COUNCIL INQUIRY:

Pursuant to Texas Government Code Sect. 551.042 the Mayor and Council Members may inquire about a subject not specifically listed on this Agenda. Responses are limited to the recitation of existing policy or a statement of specific factual information given in response to the inquiry. Any deliberation or decision shall be limited to a proposal to place on the agenda of a future meeting.

ADJOURNMENT




Susan Hensley, City Secretary

I certify that the attached notice of meeting was posted on the bulletin board at City of Montgomery City Hall, 101 Old Plantersville Road, Montgomery, Texas, on the 15th day of December 2020 at 5:15 o'clock p.m. I further certify that the following news media was notified of this meeting as stated above:
The Courier

This facility is wheelchair accessible and accessible parking spaces are available. Please contact the City Secretary's office at 936-597-6434 for further information or for special accommodations.

Montgomery City Council
AGENDA REPORT

Meeting Date: December 22, 2020	Budgeted Amount: N/A
Prepared By: Richard Tramm	Exhibits: N/A

Subject

Consideration and possible action to appoint Municipal Court Judge and Associate Municipal Court Judge.

Description

This item is required by the City's Code of Ordinances as these terms follow along with the term of the Mayor. Robert Rosenquist is currently serving as Municipal Court Judge and Gary Scott is currently serving as Associate Municipal Court Judge. This item was considered and tabled on December 8, 2020 to allow staff the opportunity to explore Precinct #1 Justice of the Peace Wayne Mack serving in the position of Municipal Court Judge. Judge Mack has stated that he would be happy to work with the City in this capacity.

Recommendation

Staff recommends City Council appoint Wayne Mack to the position of Municipal Court Judge and Gary Scott to the position of Associate Municipal Court Judge.

Approved By

City Administrator	Richard Tramm <i>RT</i>	Date: 12/17/2020
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Montgomery City Council
AGENDA REPORT

Meeting Date: December 22, 2020	Budgeted Amount: \$996,550
Prepared By: Dave McCorquodale	Exhibits: Engineer's memo

Subject

Consideration and possible action regarding acceptance of the bid and award of the construction contract for Water Plant No. 3 Improvements.

Description

This item was originally brought to City Council in September 2020. A large part of the project scope of work was the replacement of a 100,000-gallon ground storage tank (GST) with a 210,000-gallon GST to match the other tank in operation at the facility. The decision was made to postpone awarding the construction contract until the interior of the tank could be inspected to determine if recoating the inside of the tank could safely extend the service life of the tank.



After reviewing the inspection results, the recommendation of the city engineer, city staff, and TORC is to proceed with replacing the existing tank with a new larger tank per the original scope of work.

The engineer's memo explains in detail the other items to be included in the project.

Recommendation

Motion to accept the bid and award the construction contract for Water Plant No. 3 Improvements to R&B Group for the Base Bid plus Alternate Bid Item No. A2 in the amount of \$996,550 and issue an immediate Change Order to remove cathodic protection from the scope of work.

Approved By

Asst. City Administrator	Dave McCorquodale 	Date: 12/18/2020
City Administrator	Richard Tramm 	Date: 12/18/2020



August 19, 2020

The Honorable Mayor and City Council
 City of Montgomery
 101 Old Plantersville Road
 Montgomery, Texas 77316

Re: Explanation of Bids and Recommendation of Award
 Water Plant No. 3 Improvements
 City of Montgomery

Dear Mayor and Council:

As you are aware, the City received bids for the Water Plant No. 3 Improvements project on August 5, 2020. Two contractors submitted bids for the project, as summarized in the attached Recommendation of Award and bid tabulation.

The project was bid with a base bid and 2 alternate options, the scopes of which are outlined below:

- Base Bid: The base bid includes the construction of a 600-gpm cooling tower and corresponding heat exchanger, replacement of the existing 100,000-gallon ground storage tank (“GST”) with a 210,000-gallon GST, construction of an additional 10,000-gallon hydropneumatic tank (“HPT”), and miscellaneous recoating items.
- Alternate No. A1: Alternate A1 includes the construction of a 900-gpm booster pump, in addition to the scope of the base bid.
- Alternate No. A2: Alternate A2 includes the construction of a 15,000-gallon HPT in lieu of the 10,000-gallon HPT included in the base bid.

The table below shows the current capacity of the City’s water plants, the proposed capacity if only the base bid is constructed, and the proposed capacity if the base bid plus Alternate No. A2 (15,000-gallon HPT) is constructed, as measured in Equivalent Single Family Connections (“ESFC”).

	Hydropneumatic Tank Capacity (ESFC)	Ground Storage Tank Capacity (ESFC)	Booster Pump Capacity (ESFC)	Water Well Capacity (ESFC)	Total Water Plant Capacity (ESFC) ⁽¹⁾
Existing	875	2,175	2,523	3,453	875
Base Bid	1,375	2,725	2,523	3,453	1,375
Base Bid + A1	1,375	2,725	3,243	3,453	1,375
Base Bid + A2	2,500 ⁽²⁾	2,725	2,523	3,453	2,500

(1) Total water plant capacity for the City, including Water Plant Nos. 2 and 3

(2) The maximum required HPT capacity is 30,000 gallons, which serves 2,500 ESFCs per TCEQ standards



After reviewing the bids received, we recommend proceeding with construction of the base bid plus Alternate No. A2, as shown in the enclosed Recommendation of Award. Construction of the larger HPT results in a cost difference of \$12,000.00 and a significant increase in water plant capacity.

As a reminder, this project is slated to be partially funded by the Texas Water Development Board, with the remaining construction cost being contributed from City funds. We are working with the City Administrator to include the remaining project cost in the 2020/2021 budget.

If you have any questions or comments, please do not hesitate to contact us.

Sincerely,

A handwritten signature in blue ink that reads 'Chris Roznovsky'.

Chris Roznovsky, PE
Engineer for the City

CVR/

K:\W5841\W5841-0900-00 General Consultation\Correspondence\Letters\2020\MEMO to Council RE WP 3 Improvements Bids 08252020.docx

Enclosures: Recommendation of Award – Water Plant No. 3 Improvements
cc: Mr. Richard Tramm – City of Montgomery, City Administrator
Mr. Dave McCorquodale – City of Montgomery, Assistant City Administrator
Ms. Susan Hensley – City of Montgomery, City Secretary
Mr. Alan Petrov – Johnson Petrov, LLP, City Attorney



6330 West Loop South, Suite 150
Bellaire, Texas 77401
Tel: 713.777.5337
Fax: 713.777.5976
www.jonescarter.com

August 19, 2020

The Honorable Mayor and City Council
The City of Montgomery
101 Old Plantersville Road
Montgomery, Texas 77010

Re: Water Plant No. 3 Improvements
City of Montgomery
Texas Water Development Board No. 62715

Dear Mayor and Council:

We received bids for the referenced contract in our office on August 5, 2020 at 10:00 A.M. Bids were publicly opened and read at that time.

Two (2) contractors submitted proposals for this work. A summary tabulation of the bids is enclosed for your review. R&B Group, Inc. submitted the lowest total Base Bid plus Alternate Bid Item No. A2 in their proposal in the amount of \$996,550.

We have worked with R&B Group, Inc. in the past and find them to be an acceptable contractor. We recommend the referenced contract be awarded to R&B Group, Inc. on the basis of their Base Bid plus Alternate Bid Item No. A2 proposal in the amount of \$996,550.

If you have any questions, please feel free to contact us at (713) 777-5337.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Toby W. McQueary', with a horizontal line underneath.

Toby W. McQueary, P.E.

TWM/bmm

K:\W5841\W5841-0030-00 Water Plant No. 3 Improvements\3 Construction Phase\Contract Documents\w5841-0030-00 ROA.docx

Enclosures: Bid Summary

Cc (via email): Mr. Richard Tramm – City of Montgomery, City Administrator
Ms. Susan Hensley – City of Montgomery, City Secretary
Mr. Alan Petrov – Johnson Petrov, LLP, City Attorney



JONES | CARTER

BID TABULATION SHEET

BIDS WERE RECEIVED IN THE OFFICE OF

Construction of Water Plant No. 3 Improvements

City of Montgomery - City Hall

for

Time:

10:00 A.M.

Public Bid

City of Montgomery

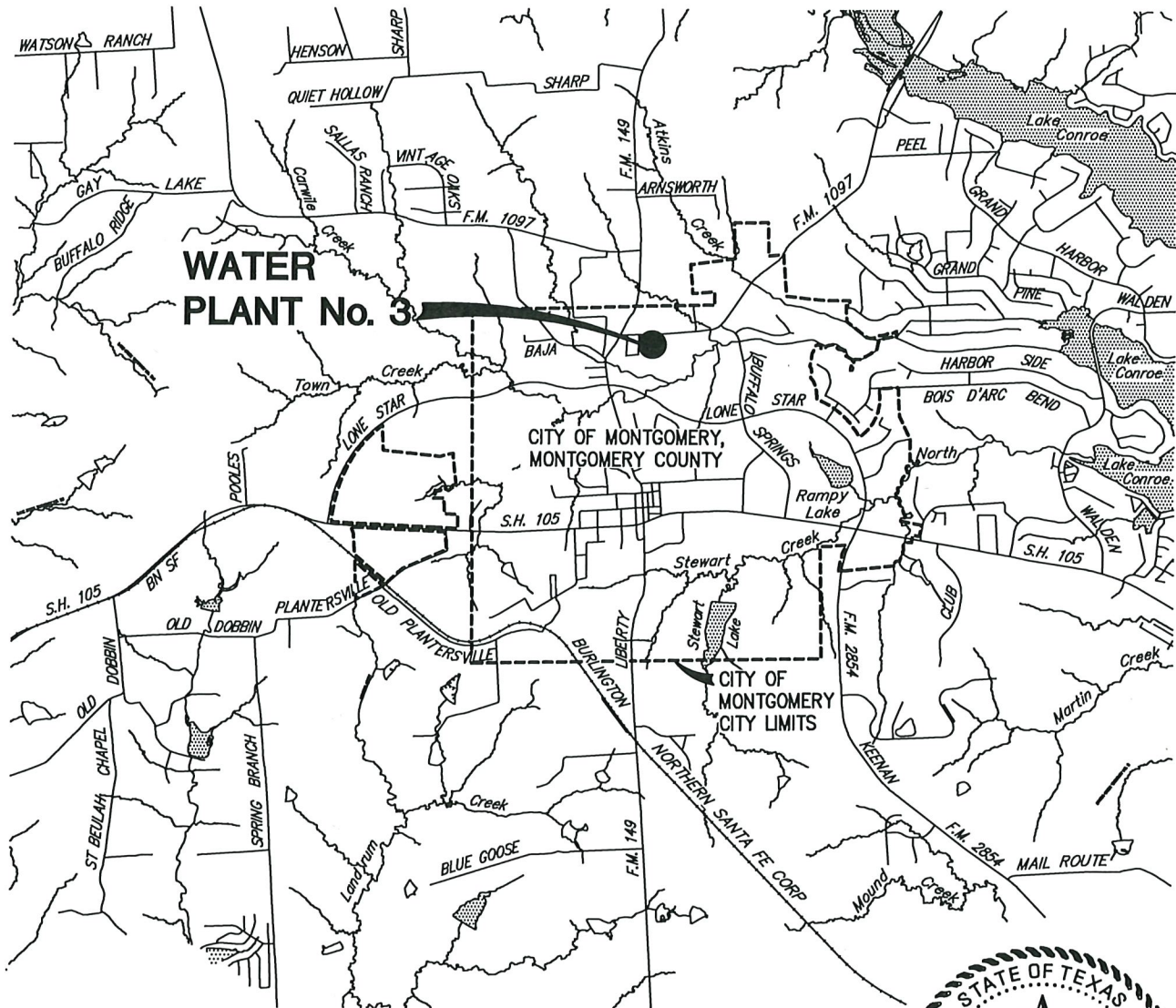
Date:

8/5/2020

	BIDDERS					
	R&B Group, Inc.	W.W. Payton Corporation				
Bid Security	X	X				
Addendum No. 1	X	X				
Addendum No. 2	X	X				
Addendum No. 3		X				
Calendar Days	270	365				
Base Bid	\$ 984,550.00	\$ 1,200,000.00				
Base Bid + Alt No. 1	\$ 1,074,550.00 *	\$1,270,000.00 *				
Base Bid + Alt No. 2	\$ 996,550.00 *	\$ 1,212,000.00 *				
Base Bid + Alt Nos. 1 & 2	\$ 1,086,550.00	\$ 1,282,000.00 *				

* Denotes mathematical error

INSPECTION REPORT
 FOR
WATER PLANT No. 3
GROUND STORAGE TANK No. 1
 FOR
CITY OF MONTGOMERY
 IN
 MONTGOMERY COUNTY, TEXAS

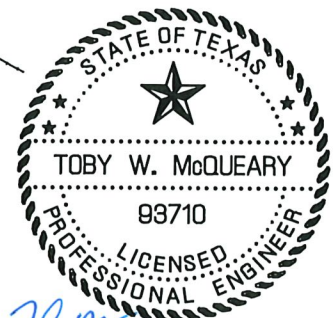


NOVEMBER 2020
 JC Job No. W5841-0002-20



JONES | CARTER

Texas Board of Professional Engineers Registration No. F-439
 6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5377



Toby W. McQueary
 11-6-2020



6330 West Loop South, Suite 150
Bellaire, Texas 77401
Tel: 713.777.5337
Fax: 713.777.5976
www.jonescarter.com

November 6, 2020

The Honorable Mayor and City Council
The City of Montgomery
101 Old Plantersville Road
Montgomery, Texas 77316

RE: City of Montgomery
Water Plant No. 3 Inspection \

Dear Mayor and Council:

As authorized by the City of Montgomery, Jones|Carter (J|C) performed a condition assessment of the Water Plant No. 3 Ground Storage Tank No. 1. The inspection was performed on October 7, 2020. The inspection attendees included Morgan Gillis (J|C), Eric Liebig (J|C), Chris Roznovsky, P.E. (J|C), and Mike Muckleroy (City of Montgomery). A representative from the tank manufacturer, Superior Tanks, also performed an inspection of the condition of the tank. The findings of the assessment are detailed in this report.

Sincerely,

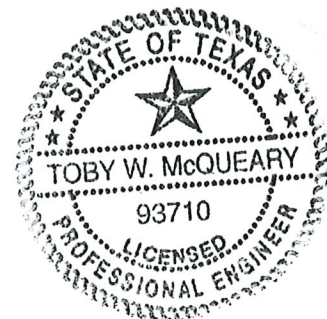
A handwritten signature in blue ink, appearing to read 'Toby W. McQueary', with a stylized flourish at the end.

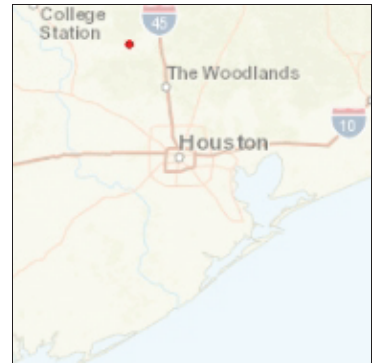
Toby W. McQueary, P.E.

TWM/mlg

K:\W5841\W5841-0030-00 Water Plant No. 3 Improvements\2 Design Phase\Reports\GST Inspection October 2020

Enclosures





LEGEND

- Approximate Site Boundary
- Ground Storage Tank No. 1:**
100,000 gallons, 26' Ø, 24' H (North)
Galv. Bolted Steel
Constructed: 2007
Interior Coatings: 2007
Exterior Coatings: 2007
Last Interior Inspection: 2020
- Ground Storage Tank No. 2:**
210,000 gallons, 38' Ø, 24' H (South)
Galv. Bolted Steel
Constructed: 2014
Interior Coatings: 2014
Exterior Coatings: 2014
Last Interior Inspection: 2020
- Hydropneumatic Tank No. 1:**
5,000 gallons, 6' Ø, 23' L, (South)
Constructed: 2005
Interior Coatings: 2005
Exterior Coatings: 2005
Last Interior Inspection: 2016
- Hydropneumatic Tank No. 2:**
4,500 gallons, 6' Ø, 20' L, (North)
Constructed: 2000
Interior Coatings: N/A
Exterior Coatings: N/A
Last Interior Inspection: 2016
- Water Well No. 3:**
567 gpm Submersible Per GM Services
test performed December 2019
60 HP
Constructed: N/A
Reworked: N/A
- Water Well No. 4:**
1,371 gpm Vertical Turbine Per GM Services
test performed December 2019
250 HP
Constructed: 2014
Reworked: N/A
- Booster Pumps:**
BP No. 1: Design - 500 gpm, 40 HP
BP No. 2: Design - 500 gpm, 40 HP
BP No. 3: Design - 500 gpm, 40 HP

1 inch equals 50 Feet



City of Montgomery: WP No. 3



CITY OF MONTGOMERY

WATER PLANT NO. 3
GST NO. 1 INSPECTION

109 BUSINESS PARK DRIVE
MONTGOMERY, TX 77356
NOVEMBER 6, 2020

MORGAN GILLIS, E.I.T.
ERIC LIEBIG

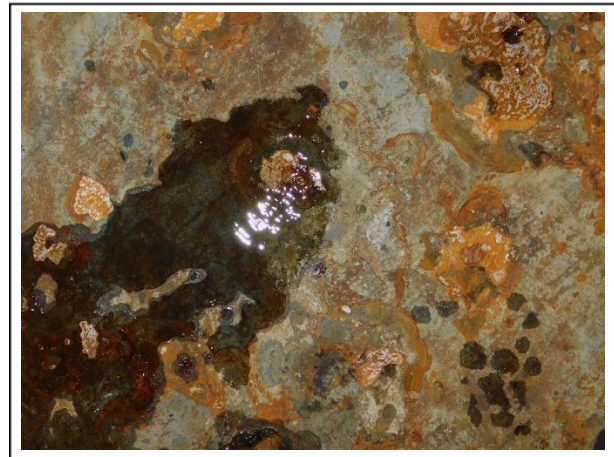
Job No. W5841-0002-20

Ground Storage Tank No. 1 (100,000 Gallons, 26' D, 24' H, Drained for Inspection) – Interior Floor



Findings: The bolts on the floor of the GST are corroded. The floor plating is covered with spots of corrosion and has corroded through in several locations. The condition of the tank has deteriorated since the last interior inspection in 2016. Any form of surface preparation will likely damage the tank even further.

Recommendations: Replace the tank with a Bolted Steel GST.



Findings: In several locations, the corrosion is severe enough to allow water to leak through the base of the tank. The tank should not be used unless the holes are repaired or the tank is replaced. Any form of surface preparation will likely damage the tank even further.

Recommendations: Replace the tank with a Bolted Steel GST.

Ground Storage Tank No. 1 (100,000 Gallons, 26' D, 24' H, Drained for Inspection) – Interior Walls



Findings: The interior bolts connecting the wall plates are corroded. The interior side of the lowest level of wall plates are covered with spots of corrosion. Any form of surface preparation will likely damage the tank even further.

Recommendations: Replace the tank with a Bolted Steel GST.



Findings: The interior bolts connecting the wall plates are corroded. The interior side of the lowest level of wall plates are covered with spots of corrosion. Any form of surface preparation will likely damage the tank even further.

Recommendations: Replace the tank with a Bolted Steel GST.

Ground Storage Tank No. 1 (100,000 Gallons, 26' D, 24' H, Drained for Inspection) - Exterior



Findings: The bottom flange of the Ground Storage Tank is delaminating from the foundation in several locations. This can affect the seal of the tank and allow water to leak from the bottom.

Recommendations: Replace the tank with a Bolted Steel GST.



Findings: The bottom flange of the Ground Storage Tank is delaminating from the foundation in several locations. This can affect the seal of the tank and allow water to leak from the bottom.

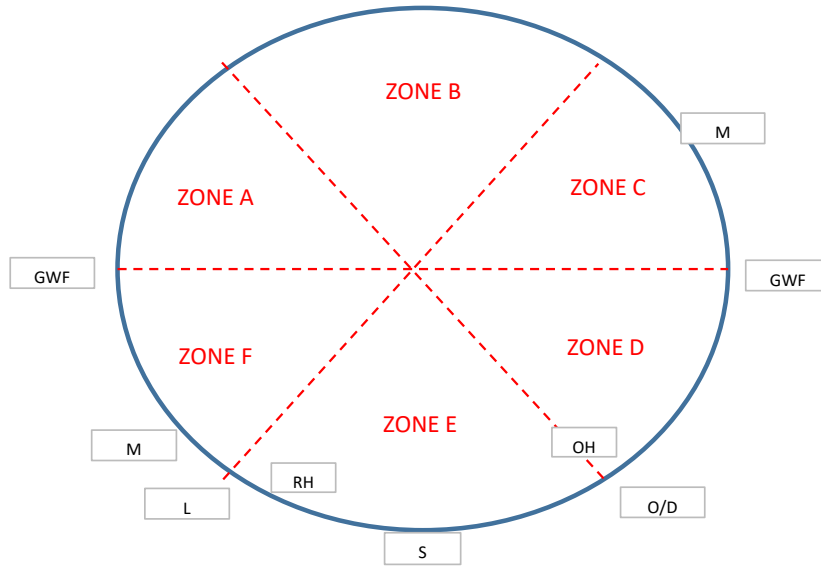
Recommendations: Replace the tank with a Bolted Steel GST.



Findings: The flap valve is corroded.

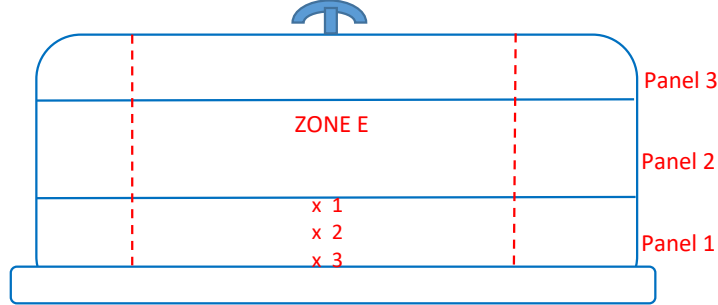
Recommendations: Replace the flap valve on the tank piping.

GROUND STORAGE TANK COATING AND METAL THICKNESS MEASUREMENTS - 2016



- GWF - Groundwater Fill Line
- SWF - Surface Water Fill Line
- O - Overflow Line
- D - Drain Line
- S - Suction Line
- E - Equalization Line
- M - Manway
- L - Ladder
- RH - Roof Access Hatch
- OH - Overflow Access Hatch

Plan View



Profile View

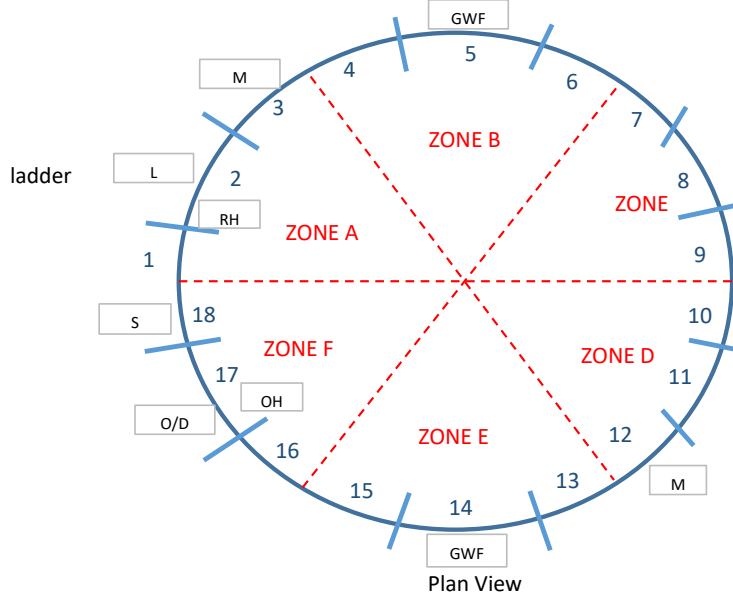
Location of Measurement	Coating Thickness No. (mils)			Steel Thickness No. (in.)		
	1	2	3	1	2	3
ZONE A	2.7	3.2	3.0	0.150	0.170	0.150
ZONE B	3.2	0.9	3.1	0.140	0.140	0.140
ZONE C	2.4	2.9	2.3	0.140	0.140	0.140
ZONE D	3.9	0.2	2.0	0.150	0.150	0.150
ZONE E	1.5	1.5	1.4	0.140	0.140	0.140
ZONE F	2.0	2.7	1.9	0.160	0.140	0.140

Tank Information	
Tank No.	1
Type of Tank	Galvanized Bolted
Tank Diameter (ft.)	26'
Tank Height (ft.)	24'
Manufacturer	Superior Tank
Year Built	2007
Serial No.	

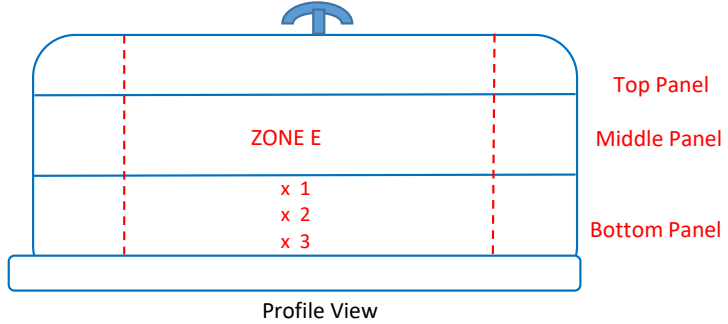
Inspector Name	Nick Heilenman
Date of Inspection	3/14/2016
District Name	City of Montgomery
Water Plant No.	1

Note: The Inspector shall draw the features of the tank on the below diagram (including suction, equalization, drain, overflow and fill line; manway, access hatches, etc)

GROUND STORAGE TANK METAL THICKNESS MEASUREMENTS - 2020



- GWF - Groundwater Fill Line
- SWF - Surface Water Fill Line
- O - Overflow Line
- D - Drain Line
- S - Suction Line
- E - Equalization Line
- M - Manway
- L - Ladder
- RH - Roof Access Hatch
- OH - Overflow Access Hatch



		Steel Thickness (in)		
		1	2	3
ZONE A	Panel 1	0.118	0.100	0.123
	Panel 2	0.123	0.125	0.403
	Panel 3	0.131	0.129	0.129
ZONE B	Panel 4	0.147	0.285	0.152
	Panel 5	0.134	0.135	0.085
	Panel 6	0.139	0.158	0.133
ZONE C	Panel 7	0.133	0.270	0.133
	Panel 8	0.129	0.130	0.135
	Panel 9	0.131	0.155	0.130
ZONE D	Panel 10	0.129	0.198	0.140
	Panel 11	0.182	0.133	0.143
	Panel 12	0.148	0.164	0.304
ZONE E	Panel 13	0.290	0.146	0.281
	Panel 14	0.159	0.137	0.163
	Panel 15	0.133	0.106	0.186
ZONE F	Panel 16	0.138	0.210	0.134
	Panel 17	0.143	0.164	0.130
	Panel 18	0.130	0.131	0.124

Tank No.	1
Type of Tank	Galvanized Bolted
Tank Diameter (ft.)	26
Tank Heigh (ft.)	24
Manufacturer	Superior Tank Co.
Year Built	2007
Serial No.	

Inspector Name	Morgan Gillis
Date of Inspection	10/7/2020
District Name	City of Montgomery
Water Plant No.	3

Note: The Inspector shall draw the features of the tank on the below diagram (including suction, equalization, drain, overflow and fill line; manway, access hatches, etc)

GROUND STORAGE TANK METAL THICKNESS MEASUREMENTS 2016 VS 2020

	2016			2020			Change		
	Steel Thickness No. (in.)			Steel Thickness No. (in.)			Steel Thickness No. (in.)		
	1	2	3	1	2	3	1	2	3
Zone A	0.150	0.170	0.150	0.124	0.118	0.218	-0.026	-0.052	0.068
Zone B	0.140	0.140	0.140	0.140	0.193	0.123	0.000	0.053	-0.017
Zone C	0.140	0.140	0.140	0.131	0.185	0.133	-0.009	0.045	-0.007
Zone D	0.150	0.150	0.150	0.153	0.165	0.196	0.003	0.015	0.046
Zone E	0.140	0.140	0.140	0.194	0.130	0.210	0.054	-0.010	0.070
Zone F	0.160	0.140	0.140	0.137	0.168	0.129	-0.023	0.028	-0.011

Note: The tank metal thickness readings were taken in the same general area for each reference point. However, the location of the 2020 metal thickness measurements may not be at the exact same location as the 2016 measurements. A positive change in metal thickness does not necessarily indicate an increase in tank wall thickness, due to the variability in measurement location. In 2016, the recommendation for the tank was to keep the tank in service until the end of its useful life. The measurements of the tank thickness do not necessarily indicate a decrease in overall tank wall thickness, but there are significantly more areas where the tank has corroded all the way through, allowing more water to leak through the tank.

Montgomery City Council
AGENDA REPORT

Meeting Date: December 22, 2020	Budgeted Amount: N/A
Prepared By: Dave McCorquodale	Exhibits: Engineer's memo

Subject

Consideration and possible action regarding acceptance of the Town Creek Watershed Study.

Description

The engineer's memo attached provides a recent timeline of the study and recommendation.

Recommendation

Accept the Town Creek Watershed Study as presented.

Approved By

Asst. City Administrator	Dave McCorquodale <i>DM</i>	Date: 12/18/2020
City Administrator	Richard Tramm <i>RT</i>	Date: 12/18/2020



December 17, 2020

The Honorable Mayor and City Council
 City of Montgomery
 101 Old Plantersville Road
 Montgomery, Texas 77316

Re: Summary of Findings
 Town Creek Watershed Study – BGE, Inc.
 City of Montgomery

Dear Mayor and Council:

As you are aware, BGE, Inc. performed the Town Creek Watershed Study on behalf of the City of Montgomery to determine a potential scope of work for the drainage improvements in the General Land Office (“GLO”) grant. As requested at the November 9th City Council meeting, BGE, Inc. re-evaluated the alternatives presented, including a proposed detention pond upstream of MLK Drive, to determine if more benefit could be obtained for less project cost and coordination. A tabulation of each alternative analyzed is below:

	Alternative 1	Alternative 2	Alternative 3	Other Alternative
Culvert Improvements at FM 149?	Yes, change dual 54” culverts to dual 10’x4’ boxes	No	Yes, 2 additional 54” culverts	No
Upstream Channel Improvements?	Yes, improvements and clearing	Yes, improvements and clearing	Yes, improvements and clearing	Yes, improvements and clearing
Detention Pond?	Yes, downstream of FM 149	Yes, downstream of FM 149	Yes, downstream of FM 149	Yes, upstream of MLK Drive
Bridge at FM 149?	No	Yes	No	No
Change in 10-Year WSEL	-1.4’ U/S of FM 149 -2.0’ Max reduction ⁽¹⁾	-1.7’ U/S of FM 149 -2.2’ Max reduction ⁽¹⁾	-0.45’ U/S of FM 149 -1.87’ Max reduction ⁽¹⁾	Not tabulated, less than -5%
Change in 100-Year WSEL	-1.0’ U/S of FM 149 -1.7’ Max reduction ⁽¹⁾	-1.1’ U/S of FM 149 -1.8’ Max reduction ⁽¹⁾	-0.65’ U/S of FM 149 -1.62’ Max reduction ⁽¹⁾	Not tabulated, less than -5%
Change in Atlas 14 100-Year WSEL	-0.8’ U/S of FM 149 -1.5’ Max reduction ⁽¹⁾	-0.8’ U/S of FM 149 -1.6’ Max reduction ⁽¹⁾	-0.59’ U/S of FM 149 -1.51’ Max reduction ⁽¹⁾	Not tabulated, less than -5%
Change in 10-Year Peak Flows ⁽²⁾	12.8 cfs ⁽³⁾ -1.7 cfs ⁽⁴⁾	12.2 cfs ⁽³⁾ -2.5 cfs ⁽⁴⁾	Not evaluated	Not evaluated
Change in 100-Year Peak Flows ⁽²⁾	22.4 cfs ⁽³⁾ -3.4 cfs ⁽⁴⁾	27.4 cfs ⁽³⁾ -3.1 cfs ⁽⁴⁾	Not evaluated	Not evaluated
Change in Atlas 14 100-Yr Peak Flows ⁽²⁾	2.4 cfs ⁽³⁾ -0.2 cfs ⁽⁴⁾	3.0 cfs ⁽³⁾ -0.9 cfs ⁽⁴⁾	Not evaluated	Not evaluated

	Alternative 1	Alternative 2	Alternative 3	Other Alternative
Estimated Construction Cost	\$1,416,000.00	\$1,740,000.00	Not prepared	Not prepared
Estimated Annual Cost	\$21,500.00	\$21,500.00	Not prepared	Not prepared

Notes:

1. For all alternatives evaluated, the maximum reduction in water surface elevation is experienced at Sta. 2782.4, which is upstream of FM 149.
2. Peak flows were calculated assuming a detention pond is not constructed downstream of FM 149. Construction of the proposed detention pond will mitigate the increase in peak flows to create no downstream impact.
3. Peak flow calculated at the second junction of Anders Branch, labeled as Trib1_JCT2 in the study.
4. Peak flow calculated downstream of the junction of Anders Branch with Town Creek, labeled as TC_JCT1 in the study.

The watershed study presents full detail for each alternative, as well as exhibits of the location of each proposed improvement and its benefit area. As shown in the table, Alternative 2 provides the greatest reduction in water surface elevation for all rain events evaluated, both upstream and downstream of FM 149. However, the increase in cost does not justify the smaller benefit received by Alternative 2 compared to Alternative 1.

If you have any questions or comments, please do not hesitate to contact us.

Sincerely,



Chris Roznovsky, PE
 Engineer for the City

CVR/

K:\W5841\W5841-0900-00 General Consultation\Correspondence\Letters\2020\MEMO to Council RE GLO Drainage Study Summary.docx

Enclosures: N/A

- cc:
- Mr. Richard Tramm – City of Montgomery, City Administrator
 - Mr. Dave McCorquodale – City of Montgomery, Assistant City Administrator
 - Ms. Susan Hensley – City of Montgomery, City Secretary
 - Mr. Alan Petrov – Johnson Petrov, LLP, City Attorney

Montgomery City Council
AGENDA REPORT

Meeting Date: December 22, 2020	Budgeted Amount: N/A
Prepared By: Richard Tramm	Exhibits: Map Showing MC MUD 160

Subject

Update on Montgomery County Municipal Utility District 160 (MCMUD 160).


Description

MCMUD 160 was previously approved as an in-City MUD by the City of Montgomery City Council. Currently, the land is early in the development process for this area that will include approximately 175 single family homes. As part of the MUD process the developer will need to set up a residence for the voters that are part of the MUD startup process. The City Administrator will present the options currently being discussed for consideration, which will likely require future action by City Council, so MCMUD 160 can move forward on a timeline that will allow them to meet their election deadline.

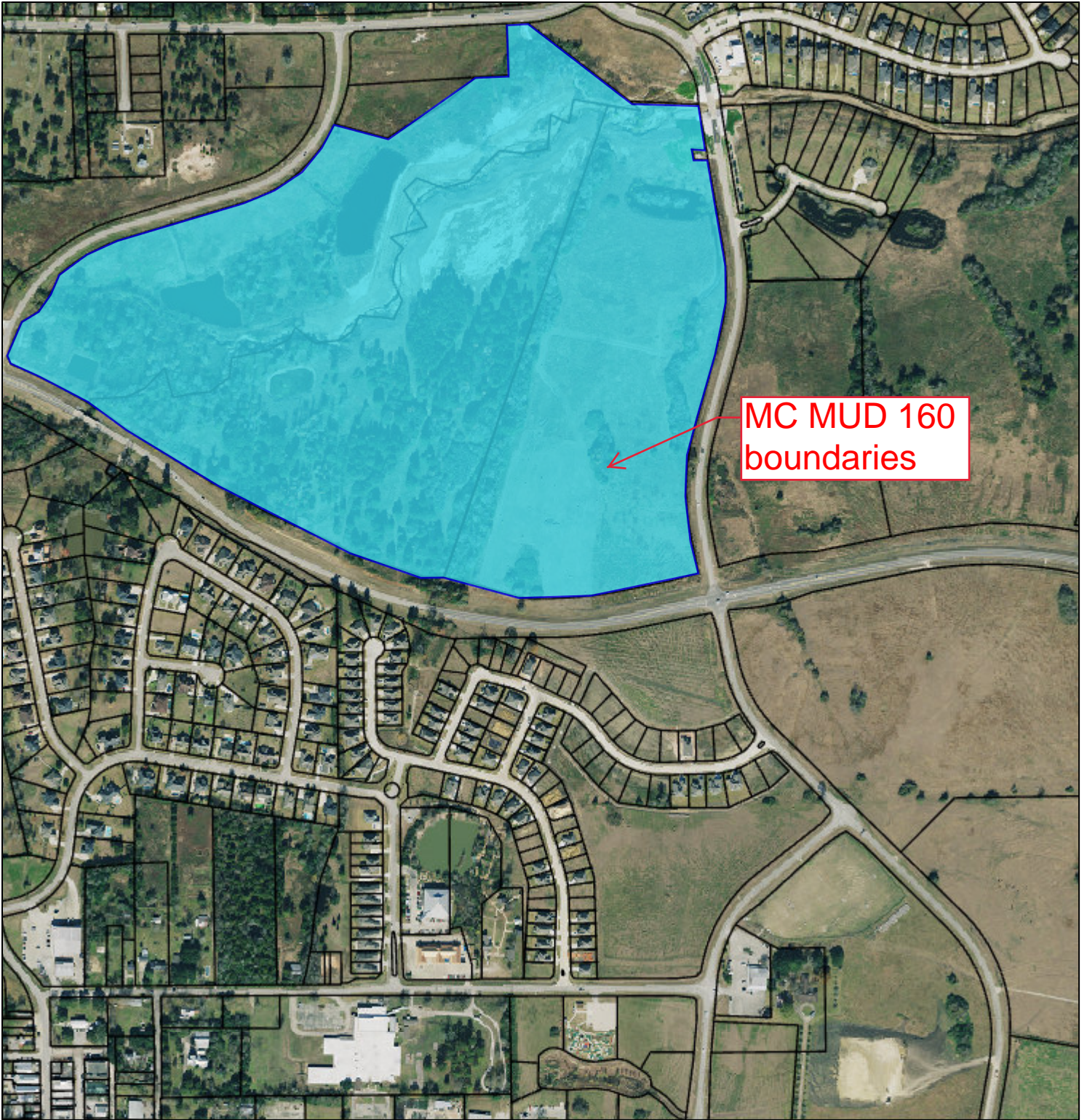
Recommendation

No action is requested. Staff wanted to present some information now for this item that will likely come before City Council.

Approved By

City Administrator	Richard Tramm 	Date: 12/18/2020
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MC MUD 160



MC MUD 160
boundaries

1 inch equals 752 feet



Date: 12/10/2020