

August 3, 2020

City of Lee's Summit Development Service

Atten: Sue Pyles, P.E. 220 SE Green St Lee's Summit, MO 64063

Dear Ms. Pyles:

We received your comments regarding the Aria Public Water Main plans on August 2, 2020. Our response to your comments are as follows:

- 1. Sheet 7: Sta. 28+01.20 references a detail on Sheet 7. This detail is on Sheet 8. Please revise. We have corrected the reference.
- 2. Please add the City's detail GEN-2 for the sidewalk replacement. We have added the standard to the plan set (Sheet 9).
- 3. Please review and verify the quantities included on the estimate. I came up with slightly different quantities when I spot checked. Revise as needed. Update the Summary of quantities table in the plan set to match. We have checked the quantities on the estimate and revised the quantities table to reflect this.

Thank you for your assistance on this project.

Sincerely,

Jonathan Hoflander, PE

John Hell

Michelle King, El

Michelle King



ENGINEER'S ESTIMATE-FINAL PLANS

Project: Aria Apartments Phase 1

Project Number: 017-0830

Project Location: Lee's Summit, MO

Date: 8/3/2020

	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
1	Mobilization	1	L.S.	\$18,400.00	\$18,400.00
2	Clearing and Grubbing	1	L.S.	\$40,000.00	\$40,000.00
3	Sidewalk	50	S.Y.	\$55.00	\$2,750.00
4	Water Line Pipe (12" PVC C900)	1,801	L.F.	\$125.00	\$225,151.25
5	Casing (24" Steel ASTM A139)	100	L.F.	\$250.00	\$25,000.00
6	Water Line Valve (8" Gate)	4	EA.	\$1,400.00	\$5,600.00
7	Water Line Valve (12" Butterfly)	7	EA.	\$1,600.00	\$11,200.00
8	Water Line Valve (2" Air Release)	1	EA.	\$10,000.00	\$10,000.00
9	Water Line Fitting (12" 45-deg Bend)	5	EA.	\$650.00	\$3,250.00
10	Water Line Fitting (12" 22.5-deg Bend)	1	EA.	\$650.00	\$650.00
11	Water Line Fitting (8" MJ Plug)	4	EA.	\$400.00	\$1,600.00
12	Water Line Fitting (12" MJ Plug)	2	EA.	\$500.00	\$1,000.00
13	Water Line Fitting (12" Tee w/ Backing Block)	1	EA.	\$1,000.00	\$1,000.00
14	Water Line Fitting (12"x8" Tee w/ Backing Block)	4	EA.	\$1,000.00	\$4,000.00
15	Water Line Fitting (12"x6" Tee w/ Backing Block)	4	EA.	\$1,000.00	\$4,000.00
16	Water Line Fitting (12" Solid Sleeve)	3	EA.	\$600.00	\$1,800.00
17	Water Line Fitting (Straddle Block)	5	EA.	\$1,100.00	\$5,500.00
18	Fire Hydrant Assembly	4	EA.	\$5,000.00	\$20,000.00
19	Temporary Flushing Assembly	1	EA.	\$3,500.00	\$3,500.00
			Opinion of Probable Cost		\$384,401.25

The Engineer, using his or her professional judgment, has developed this stated Opinion of Probable Construction Cost based upon the design status identified above. Development of this Opinion has included consideration of design input level; however, the circumstances under which the work is expected to be undertaken, the cost and availability of materials, labor and services, probable bidder response and the economic conditions at the time of bid solicitation are beyond the control of the Engineer and will impact actual bid costs. Should bidding be delayed, these costs should be reviewed and, if necessary, adjusted to a more applicable *Engineering News Record* Construction Cost Index.

