MH 2 - CI 3 CI 3 - CI 4

AI5-AI6

CI 8 - CI 9

CI 9 - AI 10 Al 10 - Al 11

CI 9 - CI 12

FE 13 - AI 14

Al 14 - Al 15

MH 16 - CI 17 CI 17 - CI 18

Sommerlin: McKelvey Homes

194.13 18 584.00 591.64 3.94 0.013 585.25 599.82 587.13 592.95 0.00 7.01 -179.50 2.38 0.00 11.92 0.00 20.83 10.27 | 15 | 591.64 | 591.76 | 1.17 | 0.013 | 599.82 | 598.78 | 592.95 | 593.06 | 0.40 | 5.44 | -34.50 | 0.11 | 1.39 | 6.68 | 0.18 | 6.98

35.54 | 15 | 591.76 | 592.19 | 1.21 | 0.013 | 598.78 | 598.78 | 593.25 | 593.44 | 0.33 | 4.31 | 27.00 | 0.24 | 1.73 | 5.29 | 0.10 | 7.10 121.44 12 592.19 593.64 1.19 0.013 598.78 597.92 593.53 594.75 0.09 4.53 7.50 1.21 1.46 3.56 0.03 3.89

189.30 | 15 | 591.64 | 596.72 | 2.68 | 0.013 | 599.94 | 602.21 | 592.95 | 597.64 | 0.68 | 4.85 | 86.40 | 1.42 | 0.44 | 5.24 | 0.31 | 10.58 35.62 15 596.72 597.15 1.21 0.013 602.21 602.23 597.95 598.03 0.70 4.56 -90.10 0.23 0.59 4.80 0.29 7.10

92.67 30 584.95 586.00 1.13 0.013 590.44 592.30 587.69 588.00 0.62 6.76 73.40 0.53 1.37 30.60 0.51 43.65

14.35 24 591.22 591.39 1.18 0.013 600.14 599.18 592.86 593.22 0.26 8.55 21.60 0.16 1.86 24.64 0.27 24.62

35.54 24 591.39 591.82 1.21 0.013 599.18 599.18 593.49 593.82 0.26 7.25 -21.70 0.36 2.79 22.78 0.21 24.88

12 597.15 598.96 1.20 0.013 602.23 605.37 598.32 600.43 0.64 5.36 78.00 2.11 1.32 4.21 0.29 3.90 155.89 12 598.96 600.83 1.20 0.013 605.37 605.08 600.72 601.47 0.63 3.58 -75.80 0.89 1.60 2.27 0.18 3.90 3.61

12 598.96 599.76 2.03 0.013 605.37 605.71 600.72 600.73 0.54 0.79 57.90 0.01 0.62 0.62 0.01 5.07 95.05 30 584.00 584.95 1.00 0.013 586.50 590.44 587.13 587.69 0.00 6.39 -96.00 0.56 0.77 31.37 0.00 41.00 2.75

30 586.00 589.39 2.57 0.013 592.30 600.14 588.51 591.16 0.70 6.64 -90.00 0.74 0.00 28.12 0.62 65.72

Top El Top El HGL HGL Juntion Velocity Deflec. Energy Known Flow Minor Capacity Free-

Loss Average Angle

								Somm 100 Year-2	erlin: McK											
		Pipe	Pipe	Invert	Invert			Top El	Top El	HGL	HGL	Juntion	Velocity	Deflec.	Energy	Known	Flow	Minor	Capacity	Free-
LineNo.	LineID	100000	Size	Down	Up	Slope	n Value	Down	Up	(Down)	(Up)	1500000	9000000	Angle	7.7000	Q	Rate	Loss	(Full)	board
Lineivo.	Lineib	Length (ft)			(ft)	(%)	II value	(ft)	(ft)		(ft)	Loss	Average (ft/s)		Loss	(cfs)		(ft)		
1	EE 1 MALI 2	194.13	(in)	(ft)	591.64	3.94	0.013	585.25	599.82	(ft) 587.86	593.07	0.00	9.19	(Deg) -179.50	(ft) 4.26		(cfs)		(cfs)	(ft)
1	FE1-MH2		18	584.00								0.00				0.00	16.10	0.00	20.83	6.75
2	MH 2 - CI 3	10.27	15	591.64	591.76	1.17	0.013	599.82	598.78	593.07	593.27	0.40	7.36	-34.50	0.20	1.88	9.03	0.34	6.98	5.51
3	CI 3 - CI 4	35.54	15	591.76	592.19	1.21	0.013	598.78	598.78	593.61	594.04	0.33	5.83	27.00	0.44	2.34	7.15	0.17	7.10	4.74
4	CI 4 - AI 5	121.44	12	592.19	593.64	1.19	0.013	598.78	597.92	594.22	596.43	0.09	6.12	7.50	2.22	1.97	4.81	0.05	3.89	1.49
5	AI 5 - AI 6	128.16	12	593.64	596.13	1.94	0.013	597.92	600.38	596.48	597.30	0.68	3.62	85.50	0.82	2.84	2.84	0.14	4.96	3.08
6	MH 2 - CI 7	189.30	15	591.64	596.72	2.68	0.013	599.94	602.21	593.07	597.79	0.68	6.05	86.40	2.20	0.59	7.07	0.42	10.58	4.42
7	CI 7 - CI 8	35.62	15	596.72	597.15	1.21	0.013	602.21	602.23	598.21	598.57	0.70	5.28	-90.10	0.36	0.80	6.48	0.30	7.10	3.66
8	CI 8 - CI 9	150.98	12	597.15	598.96	1.20	0.013	602.23	605.37	598.87	602.72	0.64	7.23	78.00	3.84	1.78	5.68	0.52	3.90	2.65
9	CI 9 - AI 10	155.89	12	598.96	600.83	1.20	0.013	605.37	605.08	603.24	604.39	0.63	3.90	-75.80	1.15	2.16	3.06	0.15	3.90	0.69
10	Al 10 - Al 11	128.78	12	600.83	603.47	2.05	0.013	605.08	607.72	604.54	604.62	0.64	1.15	77.70	0.08	0.90	0.90	0.01	5.10	3.10
11	CI 9 - CI 12	39.41	12	598.96	599.76	2.03	0.013	605.37	605.71	603.24	603.26	0.54	1.07	57.90	0.02	0.84	0.84	0.01	5.07	2.45
12	FE 13 - AI 14	95.05	30	584.00	584.95	1.00	0.013	586.50	590.44	587.86	588.87	0.00	8.63	-96.00	1.01	1.04	42.36	0.00	41.00	1.57
13	Al 14 - Al 15	92.67	30	584.95	586.00	1.13	0.013	590.44	592.30	588.87	589.82	0.62	8.42	73.40	0.94	1.85	41.32	0.68	43.65	2.48
14	AI 15 - MH 16	132.00	30	586.00	589.39	2.57	0.013	592.30	600.14	590.50	591.45	0.70	8.26	-90.00	1.13	0.00	37.97	0.84	65.72	8.69
15	MH 16 - CI 17	14.35	24	591.22	591.39	1.18	0.013	600.14	599.18	593.22	593.53	0.26	10.59	21.60	0.31	2.51	33.27	0.45	24.62	5.65
16	CI 17 - CI 18	35.54	24	591.39	591.82	1.21	0.013	599.18	599.18	593.98	594.64	0.26	9.79	-21.70	0.66	3.77	30.76	0.39	24.88	4.54
17	CI 18 - MH 19	10.77	24	591.82	591.95	1.21	0.013	599.18	600.23	595.03	595.18	0.36	8.59	31.00	0.15	0.00	26.99	0.41	24.85	5.05
18	MH 19 - AI 20	116.70	24	591.95	593.35	1.20	0.013	600.23	597.85	595.60	597.26	0.36	8.59	-31.00	1.66	2.34	26.99	0.41	24.77	0.59
19	AI 20 - AI 21	71.00	24	593.35	594.20	1.20	0.013	597.85	601.84	597.67	598.52	0.49	7.85	-47.40	0.84	2.51	24.65	0.47	24.75	3.32
20	Al 21 - Cl 22	131.51	24	594.20	595.78	1.20	0.013	601.84	603.02	598.99	600.11	0.60	6.66	70.60	1.13	2.16	20.92	0.41	24.79	2.91
21	CI 22 - CI 23	35.82	24	595.78	596.21	1.20	0.013	603.02	603.02	600.52	600.69	0.09	4.87	-7.10	0.16	2.79	15.30	0.03	24.78	2.33
22	CI 23 - MH 24	21.56	24	596.21	596.47	1.21	0.013	603.02	604.60	600.72	600.79	0.42	3.98	-37.90	0.07	0.00	12.51	0.10	24.84	3.81
23	MH 24 - DAI 25	121.52	24	596.47	597.90	1.18	0.013	604.60	601.87	600.89	601.26	0.47	3.98	45.00	0.37	9.07	12.51	0.12	24.54	0.61
24	DAI 25 - AI 26	97.89	12	597.90	599.75	1.89	0.013	601.87	604.00	601.38	602.29	0.70	4.38	90.00	0.91	1.78	3.44	0.21	4.90	1.71
25	Al 26 - Al 27	163.63	12	599.75	603.00	1.99	0.013	604.00	607.25	602.50	603.55	0.06	2.95	4.30	0.71	1.66	1.66	0.01	5.02	3.70
26	Al 15 - Cl 28	167.44	12	587.64	590.62	1.78	0.013	592.30	597.67	590.50	591.14	0.02	2.77	1.40	0.67	0.42	1.50	0.00	4.75	6.53
27	CI 28 - CI 29	35.58	12	592.27	593.42	3.23	0.013	597.67	597.67	592.55	593.86	0.36	4.62	30.40	0.66	1.08	1.08	0.06	6.40	3.81
	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	264.54		593.88	597.06				604.56	594.88	599.49	0.70	5.98	90.00	4.61	-		0.39	3.90	5.07
28	MH 16 - CI 30		12			1.20	0.013	600.44							15000	0.42	4.70	1-7-1-		
29	CI 30 - CI 31	62.13	12	598.28	599.03	1.21	0.013	604.56	604.73	599.88	600.78	0.63	5.45	-76.10	0.90	0.80	4.28	0.29	3.91	3.95
30	CI 31 - CI 32	47.47	12	599.03	599.60	1.20	0.013	604.73	604.82	601.07	601.16	0.49	2.04	-48.30	0.10	1.01	1.60	0.03	3.90	3.66
31	CI 32 - CI 33	38.38	12	599.60	600.06	1.20	0.013	604.82	604.31	601.19	601.21	0.57	0.75	-63.30	0.01	0.59	0.59	0.01	3.90	3.10
32	CI 31 - AI 34	89.04	12	599.03	600.25	1.37	0.013	604.73	604.50	601.07	601.32	0.60	2.39	70.20	0.25	1.88	1.88	0.05	4.17	3.18
33	AI 21 - AI 35	108.76	12	594.20	597.25	2.80	0.013	601.84	601.50	598.99	599.11	0.57	1.55	-63.50	0.13	1.22	1.22	0.02	5.96	2.39
34	CI 22 - CI 36	170.25	12	597.84	599.88	1.20	0.013	603.02	606.18	600.52	602.13	0.70	4.41	-90.00	1.61	1.50	3.46	0.21	3.90	4.05
35	CI 36 - CI 37	36.26	12	599.88	600.32	1.21	0.013	606.18	606.33	602.34	602.45	0.64	2.50	78.60	0.11	0.84	1.96	0.06	3.92	3.88
36	CI 37 - AI 38	108.39	12	600.32	601.62	1.20	0.013	606.33	605.87	602.52	602.62	0.15	1.43	13.00	0.11	1.12	1.12	0.00	3.90	3.25
37	FE 39 - CI 40	40.88	12	584.00	585.42	3.47	0.013	585.00	591.37	587.86	587.99	0.00	2.52	-53.50	0.13	1.98	1.98	0.00	6.64	3.38
38	FE 41 - AI 42	31.27	12	584.00	584.31	0.99	0.013	586.50	587.93	587.86	588.19	0.00	4.66	1.40	0.33	1.12	3.66	0.00	3.55	-0.26
39	AI42 - AI 43	121.12	12	584.31	586.41	1.73	0.013	587.93	590.66	588.19	588.81	0.25	3.23	-21.00	0.62	1.28	2.54	0.04	4.69	1.85
40	AI 43 - AI 44	193.58	12	586.41	592.75	3.28	0.013	590.66	597.00	588.85	593.23	0.60	2.51	-69.80	0.70	1.26	1.26	0.11	6.44	3.77
41	FE 45 - AI 46	49.27	12	593.50	594.00	1.01	0.013	594.50	599.89	595.98	596.06	0.00	1.87	-2.90	0.08	0.77	1.47	0.00	3.59	3.83
42	AI 46 - AI 47	106.82	12	594.00	602.68	8.13	0.013	599.89	606.93	596.06	603.03	0.05	1.85	3.50	0.30	0.70	0.70	0.01	10.15	3.90
43	FE 48 - AI 49	31.50	15	593.50	593.82	1.02	0.013	594.50	597.87	595.98	596.97	0.00	9.32	106.40	0.99	0.88	11.44	0.00	6.51	0.90
44	AI 49 - CI 50	136.09	15	593.82	597.95	3.03	0.013	597.87	604.90	596.97	599.51	0.70	7.19	-90.00	2.54	3.55	8.82	0.56	11.25	5.39
45	CI 50 - CI 51	35.57	12	597.95	598.38	1.21	0.013	604.90	604.90	600.07	600.85	0.14	6.71	11.50	0.78	3.46	5.27	0.10	3.92	4.05
46	CI 51 - MH 52	92.86	12	598.38	600.74	2.54	0.013	604.90	607.35	600.95	601.31	0.56	3.11	62.60	0.43	0.00	1.81	0.13	5.68	6.04
47	MH 52 - AI 57	63.38	12	600.74	601.50	1.20	0.013	607.35	606.00	601.44	602.07	0.57	3.49	-90.00	0.33	1.81	1.81	0.14	3.90	3.93
48	AI 49 - AI 55	145.13	12	593.82	596.38	1.76	0.013	597.87	600.63	596.97	597.29	0.09	2.27	-7.50	0.33	1.08	1.74	0.01	4.73	3.34
49	AI 55 - AI 56	131.90	12	596.38	599.09	2.05	0.013	600.63	607.91	597.29	599.43	0.09	1.81	-7.70	0.37	0.66	0.66	0.01	5.10	8.48
50	Ex. FE - Ex. GI	70.00	15	584.17	585.05	1.26	0.013	585.42	587.67	585.42	586.07	0.00	5.66	-18.40	0.71	0.49	6.47	0.00	7.24	1.60
51	Ex. GI - Ex. GI	49.00	12	585.05	586.65	3.27	0.013	587.67	589.52	586.07	587.61	0.47	7.67	-47.20	1.29	1.71	5.98	0.44	6.44	1.91
52	Ex. GI - MH 58	276.00	12	586.65	599.22	4.55	0.013	589.52	604.12	588.04	600.09	0.39	5.66	-32.40	3.79	0.00	4.27	0.21	7.60	4.03
				599.22	606.17	2.57		604.12	609.94	600.30	607.04	0.02	5.66	-1.20			4.27		5.71	2.90
53	MH 58 - CI 59	270.15	12		610.26		0.013	100000000000000000000000000000000000000			611.01	0.02	4.60	1.50	3.71	1.15		0.01		2.90
54	CI 59 - CI 60	238.34	12	606.17		1.72	0.013	609.94	613.91	607.05					1.92	0.27	3.12	0.01	4.67	
55	CI 60 - MH 61	26.62	12	610.26	610.60	1.28	0.013	613.91	615.10	611.02	611.32	0.41	4.60	36.10	0.22	0.00	2.85	0.14	4.02	3.78
56	MH 61 - Ex. EP	63.32	12	610.60	613.12	3.98	0.013	615.10	614.12	611.46	613.84	0.41	4.35	-35.80	0.46	2.85	2.85	0.14	7.10	0.28
57	FE 63 - OS 62	74.80	48	578.57	579.32	1.00	0.013	582.57	586.25	582.57	582.88	0.00	9.92	-140.80	0.50	120.86	120.86	0.00	143.84	3.37
58	FE 65 - OS 64	49.20	18	589.00	589.50	1.02	0.013	599.50	594.67	590.50	592.41	0.00	11.72	29.20	1.91	20.71	20.71	0.00	10.59	2.26

SEWE!

STORM C

O'fallon Planning and Development Division File No.: 20-005554 | Approved: January 7, 202

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED

FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY

VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES IN THE FIELD, SHOWN OR NOT SHOWN, PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY

AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMO.

REFLECT THE ACTUAL EXISTENCE, OR NON EXISTENCE, SIZE TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES.
THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR

CALL MISSOURI ONE CALL SYSTEMS INC. TWO

FULL WORKING DAYS IN

ADVANCE OF STARTING

WORK.MISSOURI ONE-CALL 1-800-344-7483

RYAN L. HOLMES

Professional Engineer PE-2017018988

