GENERAL NOTES

1. All construction materials and procedures on this project shall conform to the following requirements:
   A. City of Lee's Summit, Missouri Standard Specifications: Section 3500 - Sanitary Sewers
2. The contractor will be responsible for securing all bonds, and insurance required by the Final Development Plans, City of Lee's Summit, and all other governing agencies (including local, county, state, and federal authorities) having jurisdiction over the work proposed by these construction documents. The cost for all bonds, and insurance shall be the contractor's responsibility and shall be included in the bid for the work.
3. All existing utilities indicated on the drawings are according to the best information available to the engineer; however, all utilities actually existing may not be shown. The contractor shall be responsible for contacting all utility companies for an exact field location of each utility prior to any construction. All utilities, shown and un-shown, damaged through the negligence of the contractor shall be repaired or replaced by the contractor at his expense.
4. The contractor will be responsible for all damages to existing utilities, pavement, fences, structures, and other features not designated for removal. The contractor shall repair all damages at his expense.
5. The demolition of existing pavement, curbs, structures, and all other features necessary to construct the proposed improvements, shall be performed by the contractor. All waste material removed during construction shall be disposed off the project site. The contractor shall be responsible for all permits for hauling and disposing of waste material. The disposal of waste material shall be in accordance with all local, state, and federal regulations.
6. By use of these Final Development Plans the contractor hereby agrees that he shall be solely responsible for the safety of the construction workers and the public. The contractor agrees to hold the engineer and owner harmless for any and all injuries, claims, losses, or damages related to the project.
7. The contractor will be responsible for providing all signage, barricades, lighting, etc., as required for temporary traffic control during the construction of this project. Maintenance of the temporary traffic control devices will be the contractor's responsibility. All traffic control in conduction with construction in the right-of-way shall be in conformance with the City Traffic Control Requirements.
8. Contractor shall furnish evidence that his/her insurance meets the requirements of the City of Lee's Summit Municipal Code.
9. Prior to installing, constructing, or performing any work on the public storm sewer line (including connecting private drainage systems to the storm sewer), contact Inspections.
10. The Developer (not the contractor) to pick up all permits.

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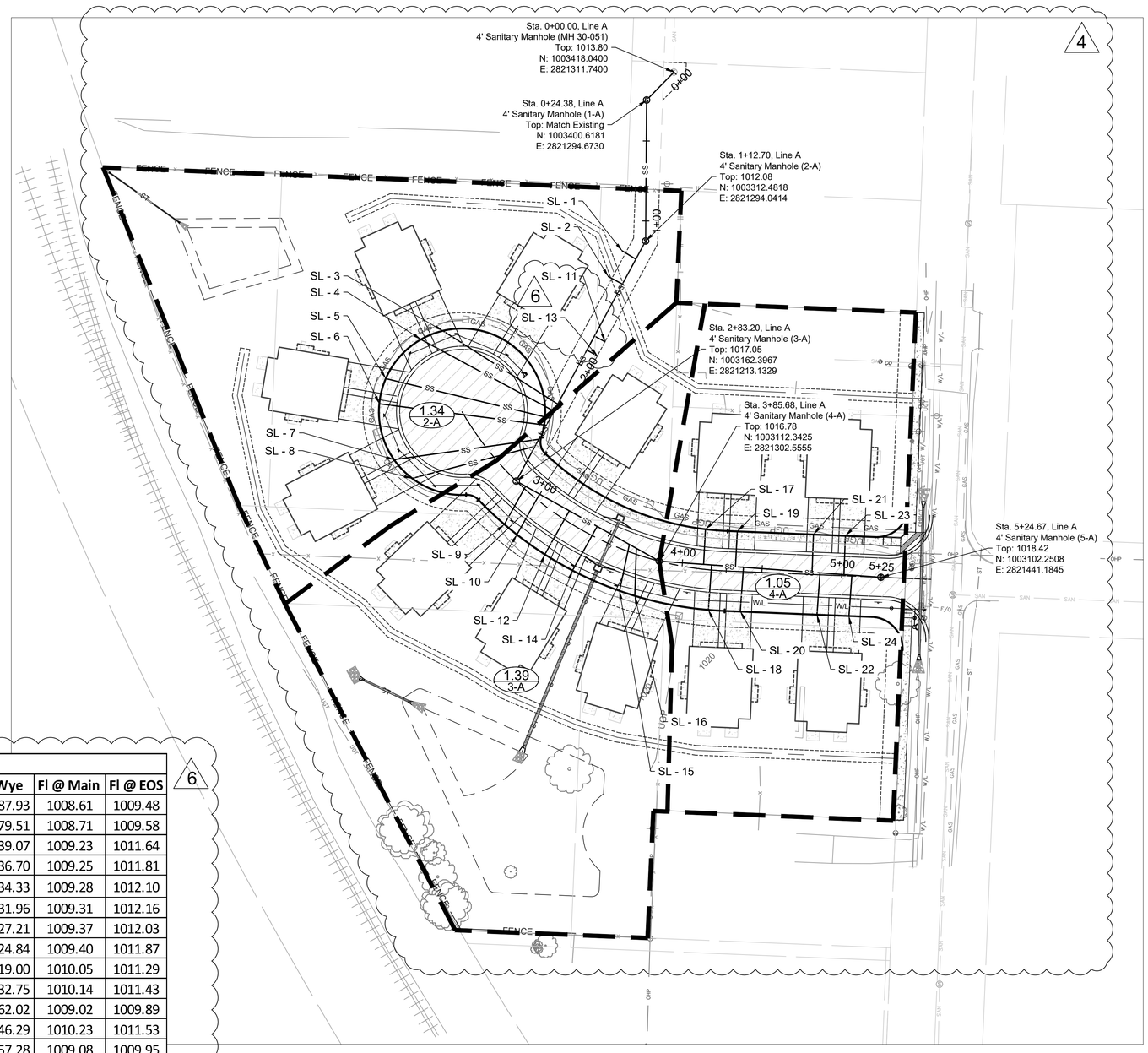
Summary of Quantities

Item	Description	Qty.	Unit
1	8" (SDR-26)PVC	525	LF
2	4" (SDR-26) PVC	1000	LF
3	4" Dia. Concrete Manhole	5	EA
4	8" x 4" PVC Wye	24	EA
5	Erosion Control	1	LS



6

Proposed Service Line Design Table

Service Line	Station(ft)	D.D.S (ft)	Install Pipe (LF)	N @ EOS	E @ EOS	N @ Wye	E @ Wye	Fl @ Main	Fl @ EOS
SL-1	1+25.05	12.87	10.00	1003306.35	2821279.37	1003301.15	2821287.93	1008.61	1009.48
SL-2	1+43.31	30.62	10.00	1003290.28	2821270.71	1003285.53	2821279.51	1008.71	1009.58
SL-3	2+28.54	115.84	87.05	1003256.32	2821167.25	1003210.52	2821239.07	1009.23	1011.64
SL-4	2+33.54	120.84	94.45	1003250.93	2821153.56	1003206.12	2821236.70	1009.25	1011.81
SL-5	2+38.54	125.84	107.58	1003226.47	2821131.58	1003201.71	2821234.33	1009.28	1012.10
SL-6	2+43.54	130.84	109.07	1003210.72	2821127.50	1003197.31	2821231.96	1009.31	1012.16
SL-7	2+53.54	140.84	99.56	1003175.82	2821136.72	1003188.51	2821227.21	1009.37	1012.03
SL-8	2+58.54	145.84	89.75	1003164.12	2821148.08	1003184.11	2821224.84	1009.40	1011.87
SL-9	2+87.20	6.72	28.38	1003144.62	2821195.55	1003159.12	2821219.00	1010.05	1011.29
SL-10	3+03.36	22.48	31.19	1003133.41	2821208.00	1003151.42	2821232.75	1010.14	1011.43
SL-11	1+80.00	67.48	10.00	1003249.43	2821268.62	1003253.09	2821262.02	1009.02	1009.89
SL-12	3+21.20	37.99	31.28	1003116.54	2821231.00	1003143.84	2821246.29	1010.23	1011.53
SL-13	1+90.00	77.48	10.00	1003240.72	2821263.88	1003244.28	2821257.28	1009.08	1009.95
SL-14	3+41.20	58.00	31.57	1003106.52	2821248.32	1003134.07	2821263.74	1010.35	1011.65
SL-15	3+64.27	81.06	29.96	1003094.32	2821276.19	1003122.80	2821283.87	1010.49	1011.76
SL-16	3+69.26	86.06	31.35	1003090.66	2821287.28	1003120.36	2821288.23	1010.52	1011.82
SL-17	4+13.30	27.84	22.16	1003132.31	2821331.45	1003110.32	2821330.32	1010.97	1012.08
SL-18	4+18.52	32.84	28.16	1003081.87	2821333.26	1003109.96	2821335.31	1011.02	1012.25
SL-19	4+33.29	47.82	22.11	1003130.95	2821351.39	1003108.87	2821350.25	1011.11	1012.22
SL-20	4+38.51	52.82	27.51	1003081.07	2821353.24	1003108.51	2821355.24	1011.14	1012.36
SL-21	4+81.51	95.83	23.63	1003129.00	2821399.01	1003105.38	2821398.13	1011.39	1012.53
SL-22	4+86.51	100.83	26.22	1003078.87	2821401.21	1003105.02	2821403.12	1011.42	1012.61
SL-23	5+01.14	115.82	24.27	1003128.12	2821418.96	1003103.93	2821418.07	1011.51	1012.67
SL-24	5+06.50	120.82	25.59	1003078.05	2821421.19	1003103.57	2821423.05	1011.54	1012.72

4

Segment		Peak Base Flow (Residential)			Peak Infiltration			Peak Inflow				Design Peak	Pipe Full	Pipe Dia.	Pipe	Pipe	Vel Full	Design
U/S MH	D/S MH	Area, acres	PDWF, gpd/ac	Flow, cfs	Area, acres	Infiltration Rate, gpd/ac	Flow, cfs	Tributary Area, acres	Rainfall Intensity, iph	Inflow Factor	Flow, cfs	Flow, cfs	Capacity, cfs	Inches	Length, ft	Slope, %	fps	Vel, fps
5-A	4-A	0.000	1500	0.000	0.000	500.000	0.000	0.000	5.490	0.006	0.000	0.000	0.907	8.000	139.000	0.650	2.599	0.000
4-A	3-A	1.050	1500	0.002	1.050	500.000	0.001	0.000	5.490	0.006	0.000	0.003	0.907	8.000	102.480	0.650	2.599	0.577
3-A	2-A	1.390	1500	0.003	1.390	500.000	0.001	1.040	5.490	0.006	0.034	0.039	0.907	8.000	170.500	0.650	2.599	1.287
2-A	1-A	1.340	1500	0.003	1.340	500.000	0.001	2.440	5.490	0.006	0.080	0.119	0.907	8.000	88.140	0.650	2.599	1.779
1-A	Existing	1.300	1500	0.003	1.300	500.000	0.001	3.780	5.490	0.006	0.125	0.209	0.914	8.000	24.390	0.660	2.619	2.105
Existing	Existing	0.000	1500	0.000	0.000	500.000	0.000	3.780	5.490	0.006	0.125	0.249	0.900	8.000	323.770	0.470	2.578	2.173

NORTH
1"=40'
0 20' 40'

Sheet
11 of 20

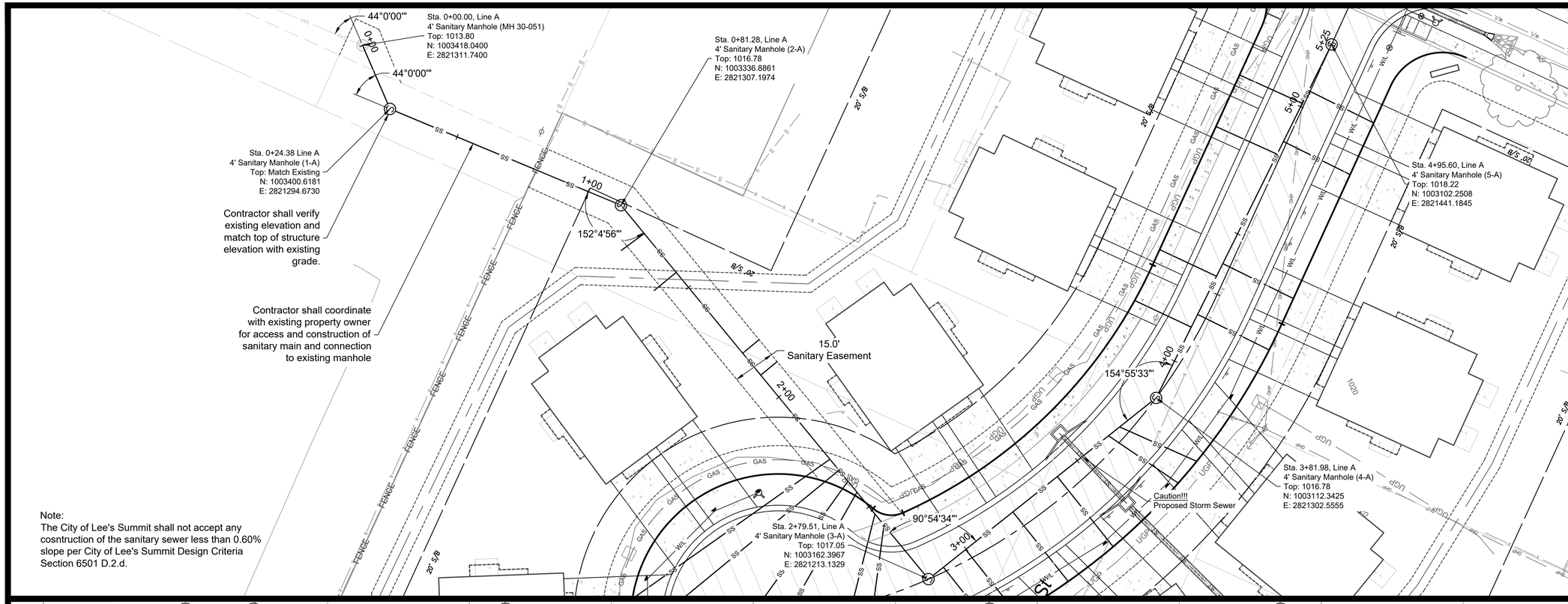
Public Street And Storm Plans
18-0251
Sequoia Residential
Lee's Summit, Jackson County, MO

Sanitary Plan

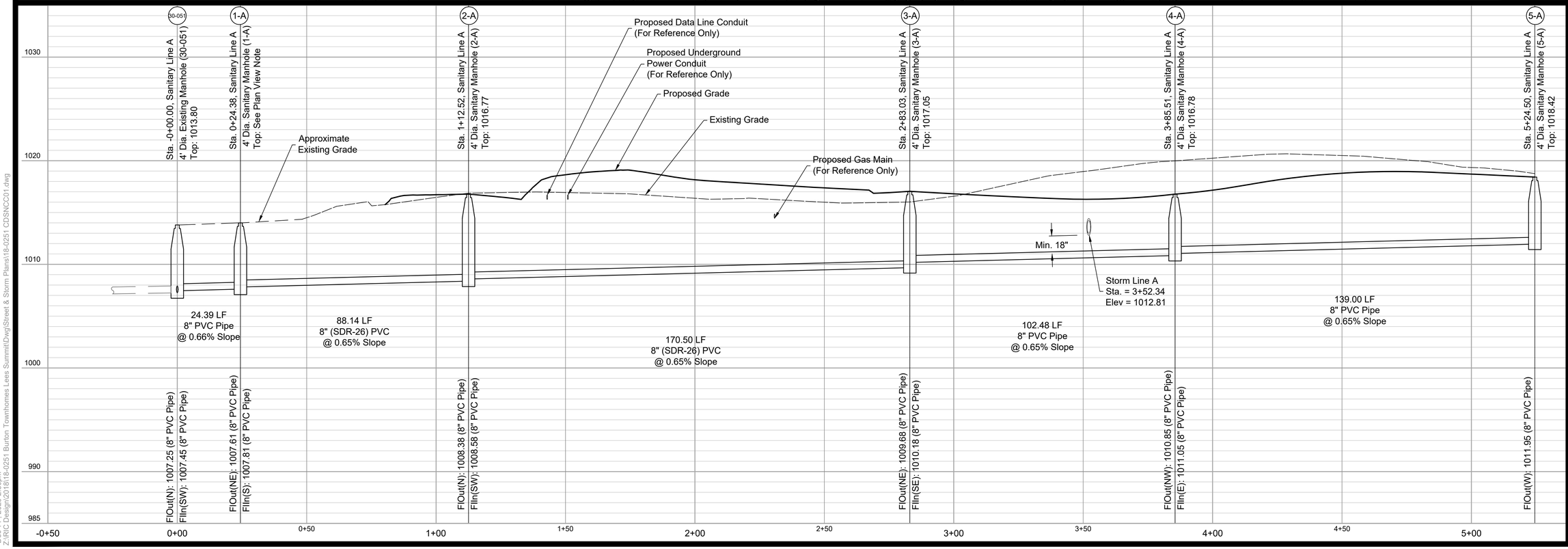
NO.	BY	DATE	REVISION
6	TCD	12/14/20	SANITARY SERVICE SL-11 & SL-13 REVISION
5	JGD	12/07/20	WATERLINE REVISION
4	JGD	10/01/20	PER CITY COMMENT
3	JGD	09/15/20	PER CITY COMMENT
2	JGD	06/11/20	PER CITY COMMENT
1	JDG	05/08/20	ORIGINAL SUBMISSION

Renaissance Infrastructure Consulting
1815 McGee Street, Suite. 200
Kansas City, Missouri 64108
816.800.0950
www.ric-consult.com
MO Certificate of Authority: E-2010033630

STATE OF MISSOURI
MITCHELL E. SLUTTER
NUMBER PE-2002003418
PROFESSIONAL ENGINEER
MITCHELL E. SLUTTER PE-2002003418



Note:
The City of Lee's Summit shall not accept any cosntruction of the sanitary sewer less than 0.60% slope per City of Lee's Summit Design Criteria Section 6501 D.2.d.



Sheet
12 of 20

Public Street And Storm Plans

18-0251
Sequoia Residential
Lee's Summit, Jackson County, MO

Sanitary Plan & Profile

NO	BY	DATE	REVISION
6	TCD	12/14/20	SANITARY SERVICE SL-11 & SL-13 REVISION
5	JGD	12/07/20	WATERLINE REVISION
4	JGD	10/01/20	PER CITY COMMENT
3	JGD	09/15/20	PER CITY COMMENT
2	JGD	06/11/20	PER CITY COMMENT
1	JDG	05/08/20	ORIGINAL SUBMISSION

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MO Certificate of Authority: E-2010033830

STATE OF MISSOURI
MITCHELL E. SLUTTER
NUMBER PE-2002003418
PROFESSIONAL ENGINEER
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Dec 14, 2020-2:50pm
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