

GENERAL NOTES

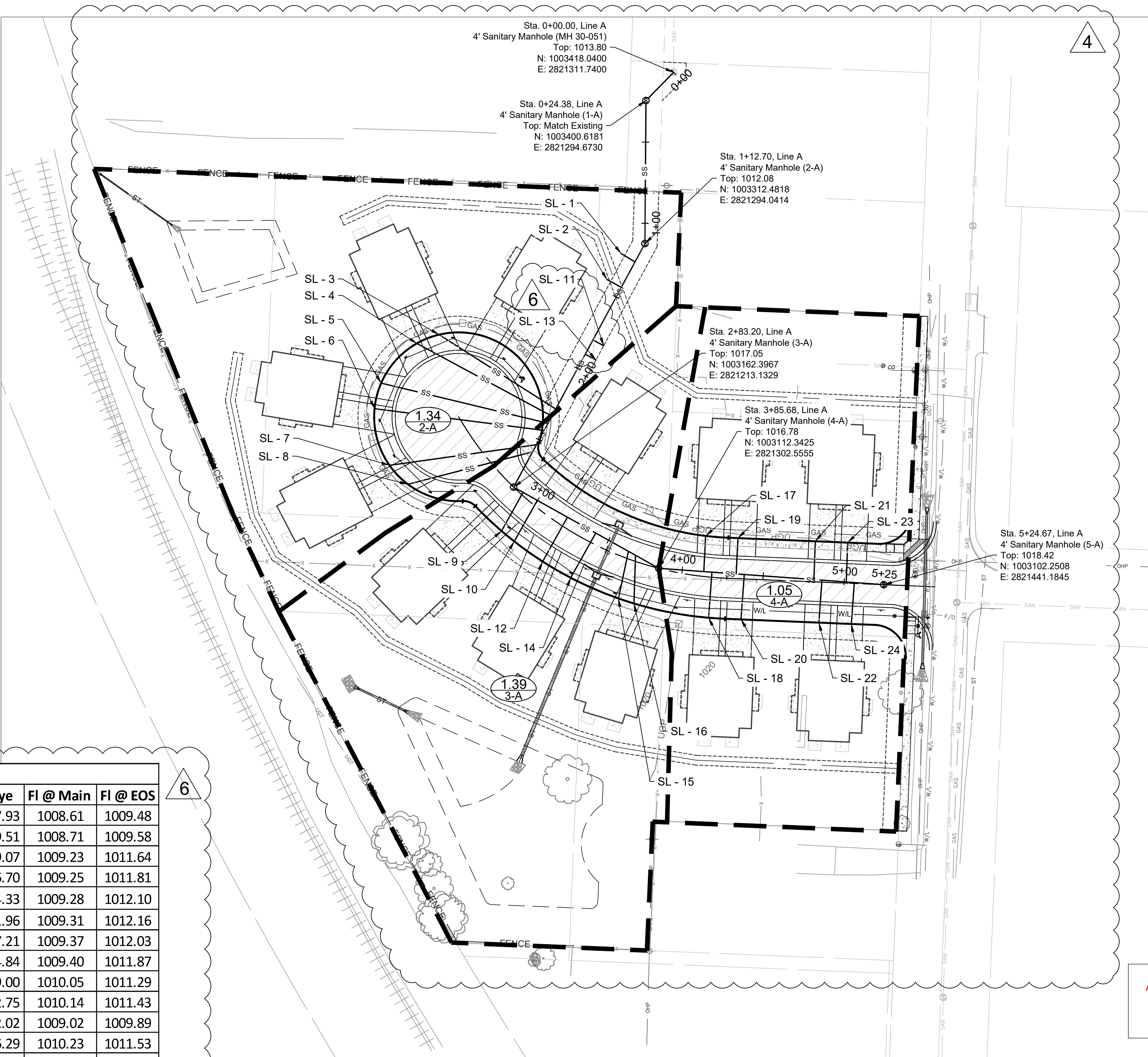
- All construction materials and procedures on this project shall conform to the following requirements:
  - City of Lee's Summit, Missouri Standard Specifications: Section 3500 - Sanitary Sewers
- The contractor will be responsible for securing all bonds, and insurance required by the Final Development 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- Contractor shall furnish evidence that his/her insurance meets the requirements of the City of Lee's Summit Municipal Code.
- 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.
- The Developer (not the contractor) to pick up all permits.

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   |

Proposed Service Line Design Table

| Service Line | Station(ft) | D.D.S (ft) | Install Pipe (LF) | N @ EOS    | E @ EOS    | N @ Wye    | E @ Wye    | FI @ Main | FI @ 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  |



| 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    |
| 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  |
| 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  |
| 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  |
| 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-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  |
| 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  |

RELEASE FOR  
CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
12/15/2020



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

Sanitary Plan

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

Renaissance  
Infrastructure  
Consulting

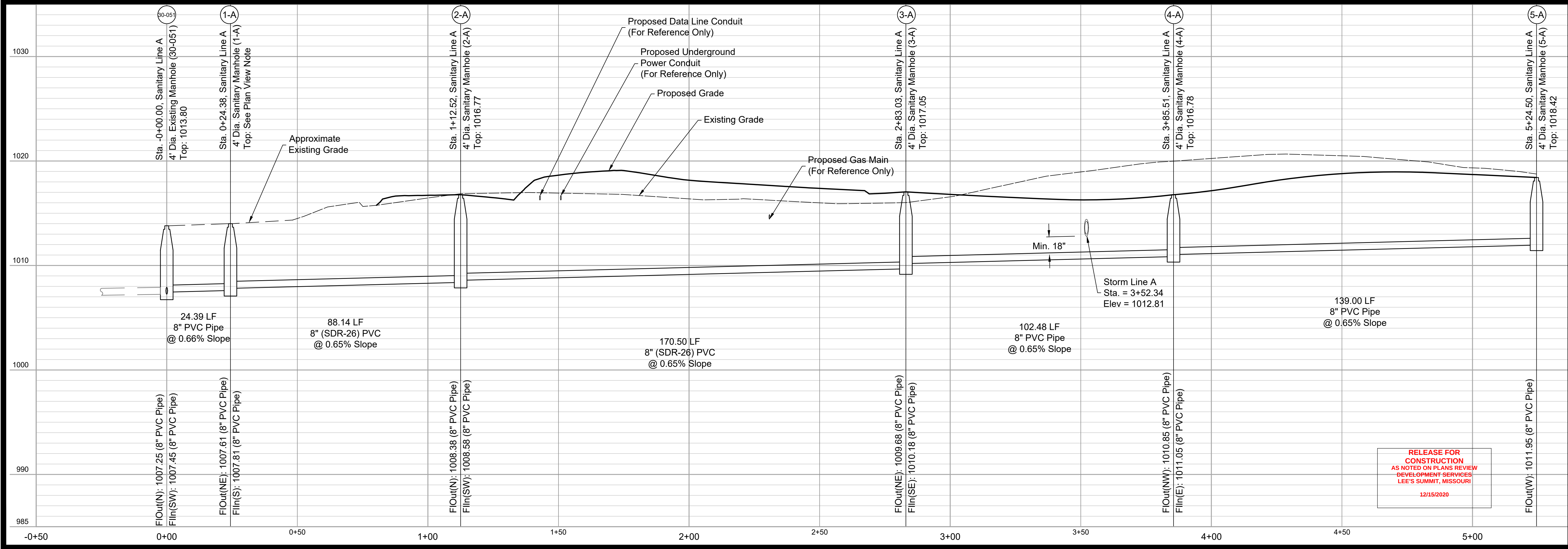
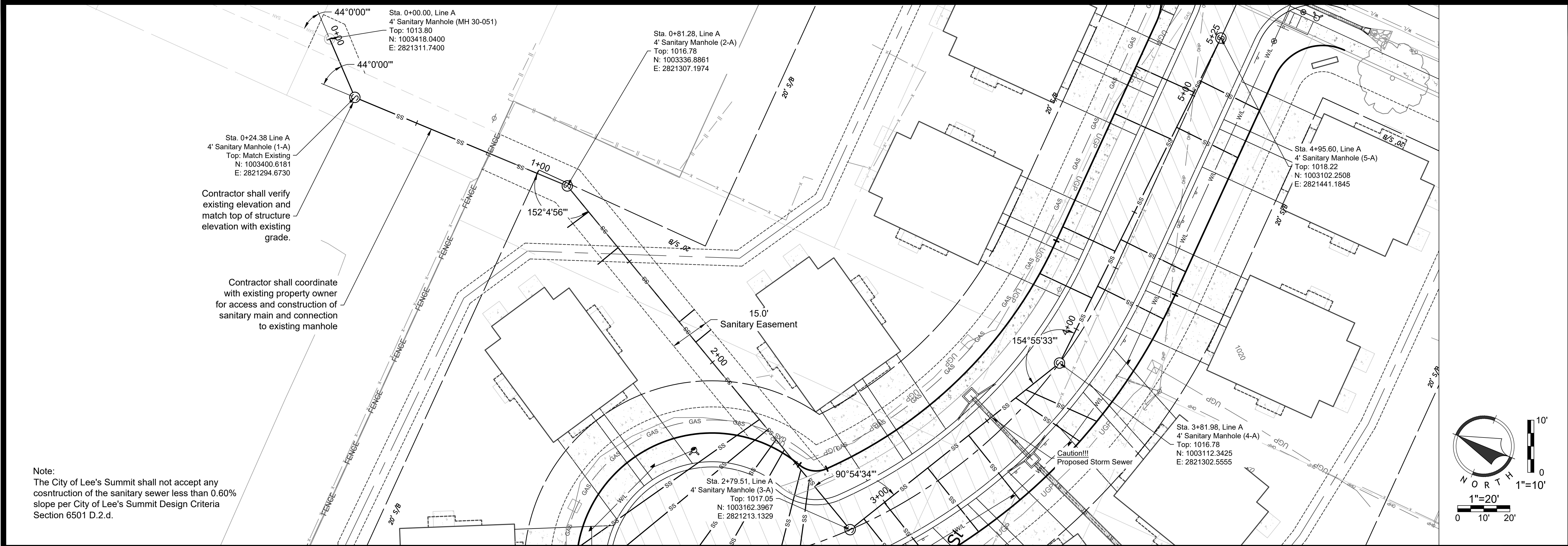
816-800-0950  
1815 MCGEE STREET, SUITE 200  
KANSAS CITY, MISSOURI 64108  
WWW.RIC-CONSULT.COM

MO Certificate of Authority: E-2010033630

STATE OF MISSOURI  
MICHAELE E. SLUTTER  
ENGINEER  
NUMBER  
PE-2002003418  
PROCESS ENGINEER

MICHAEL E. SLUTTER PE-2002003418

Dec 14, 2020 2:50pm  
Z:\RDC\Design\2018\18-0251 Burton Townhomes Lee's Summit\DWG\Street & Storm Plans\18-0251 CDS\NCC01.dwg



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

Sanitary Plan & Profile

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

Renaissance

Infrastructure

Consulting

MISSOURI

STATE

ENGINEER

PE-2002003418

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RELEASE FOR CONSTRUCTION  
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12/15/2020