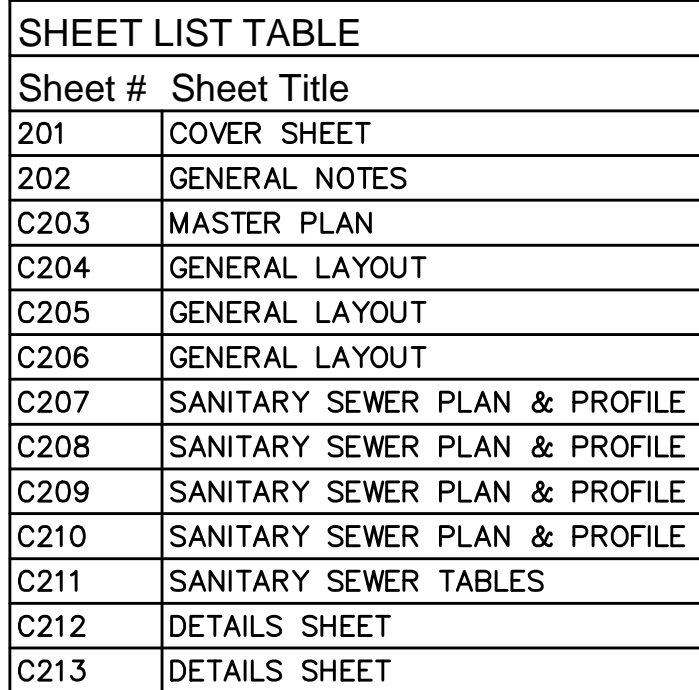


SECTION 2, TOWNSHIP 47 N, RANGE 32 W  
IN LEE'S SUMMIT, JACKSON COUNTY, MO



CITY OF LEE'S SUMMIT

DATE \_\_\_\_\_

Part of Lot 3B, WEST VILLAGE COMMERCIAL DEVELOPMENT, LOTS 3A AND 3B, a subdivision recorded as Instrument Number 19E0018413 in Book 1182 at Page 62 in Jackson County Recorder of Deeds Office located in the Northeast and Southeast Quarter of Section 2, Township 47 North, Range 32 West of the 5th Principal Meridian in Lee's Summit, Jackson County, Missouri being bounded and described by or under the direct supervision of Jason S Roudsbaugh, P.L.S. 2002014092 as follows: Commencing at the Southeast corner of said Southeast Quarter; thence North 87°47'03" West, on the South line of said Southeast Quarter 2,633.21 feet to the Southwest corner of said Southeast Quarter; thence North 03°05'41" East, on the West line of said Southeast Quarter, 1,326.36 feet to the Southwest corner of said Lot 3B, also being the Southwest corner of the North half said Southeast Quarter, also being a point on the Easterly line of STERLING HILLS 5TH PLAT, a subdivision in said Lee's Summit recorded as Instrument Number 11273788 in Book 154 at Page 88 in said Jackson County Recorder of Deeds Office, also being the Southwest corner of proposed WOODSIDE RIDGE 1st Plat, Lots 1 thru 143 inclusive, and Tracts A, B, C, D, E, F, G and H; thence North 03°05'41" East on said West line and said Easterly line, also being the West line of said Lot 3B, also being the Westerly line of proposed WOODSIDE RIDGE 1ST PLAT, LOTS 1 thru 143 inclusive, and Tracts A, B, C, D, E, F, G and H, 389.26 feet to the Point of Beginning of the tract of land to be herein described; thence leaving said proposed Westerly line, continuing North 03°05'41" East on said West lines and said Easterly lines, 936.61 feet to the Northeast corner of said STERLING HILLS 5TH PLAT, also being a point on the Easterly line of WINTERSET WOODS – 3RD PLAT, a subdivision in said Lee's Summit recorded as Instrument Number 20030002463 in Book 174 at Page 14 in said Jackson County Recorder of Deeds Office, also being the Northwest corner of said Southeast Quarter; thence North 03°26'14" East, on the said West line of said Lot 3B, said Easterly line and West line of said Northeast Quarter, 665.72 feet to the Northwest corner of the South half of the South Half of said Northeast Quarter, also being the Northwest corner of said Lot 3B, also being the Northeast corner of said WINTERSET WOODS – 3RD PLAT, also being a point on the Southerly line of the FOREST OF BROOKRIDGE ESTATES – THIRD PLAT, a subdivision in said Lee's Summit recorded as Instrument Number 1802804 in Book 144 at Page 57 in said Jackson County Recorder of Deeds Office; thence South 87°37'42" East, along said Southerly line, also along the North line of said Lot 3B, also being the North line of said South Half of said South Half of said Northeast Quarter, also being the South line of the FOREST OF BROOKRIDGE ESTATES – THIRD PLAT, LOTS 117 – 133, a distance of 1,210.45 feet to the Southeast corner of said the FOREST OF BROOKRIDGE ESTATES – THIRD PLAT LOTS 117 – 133 and to a point on said proposed Westerly line; thence South 87°37'42" East on said North line of said South Half of said South Half, said North line of said Lot 3B, and said proposed Westerly line, 574.95 feet; thence leaving said North lines, South 20°32'36" West, along said proposed Westerly line, 229.10 feet; thence Westerly, along said proposed Westerly line, on a curve to the left, having an initial tangent bearing of North 69°27'24" West with a radius of 428.00 feet, a central angle of 00°42'29" and an arc distance of 5.25 feet; thence South 19°50'07" West, along said proposed Westerly line 178.42 feet; thence South 85°52'23" West, along said proposed Westerly line, 130.41 feet; thence South 70°59'24" West, along said proposed Westerly line, 137.47 feet; thence South 61°49'26" West, along said proposed Westerly line, 951.56 feet; thence South 21°24'31" West, along said proposed Westerly line, 135.10 feet; thence Westerly, along said proposed Westerly line, along a curve to the left having an initial tangent bearing of North 68°35'29" West with a radius of 275.00 feet, a central angle of 12°33'32" and an arc distance of 60.28 feet; thence South 08°50'59" West, along said proposed Westerly line, 50.00 feet; thence South 22°12'04" West, along said proposed Westerly line, 173.03 feet; thence North 75°51'31" West, along said proposed Westerly line, 21.43 feet; thence South 41°11'03" West, along said proposed Westerly line, 60.06 feet; thence South 29°55'27" West, along said proposed Westerly line, 306.11 feet; thence South 85°54'26" West, along said proposed Westerly line, 236.75 feet to the Point of Beginning. Containing 1,514,368 square feet or 34.77 acres, more or less.

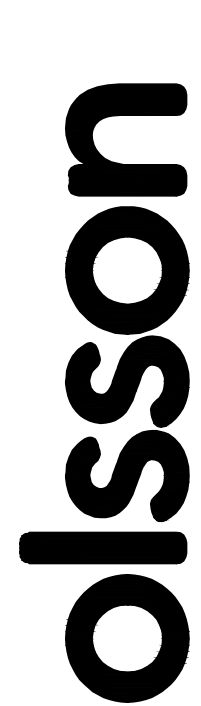
BMK #5 CHISELED SQUARE ON THE S.E. CORNER OF A CONCRETE PAD FOR A TRAFFIC SIGNAL BOX AT THE S.W. CORNER OF PRYOR ROAD AND O'BRIEN ROAD.

ELEVATION: 979.24

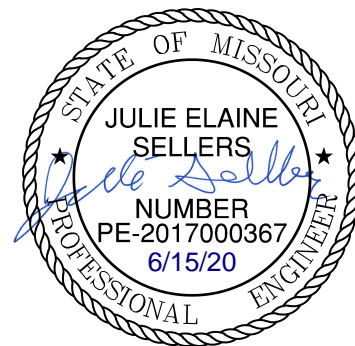
Julie Salby

6/15/20

DATE \_\_\_\_\_



MO Certificate of Authority #:001592  
1301 BURLINGTON, SUITE 100  
NORTH KANSAS CITY, MO 64116

[illegible]

COVER SHEET  
SANITARY SEWER PLANS

WOODSIDE RIDGE  
SECOND PLAT

LEE'S SUMMIT, MO

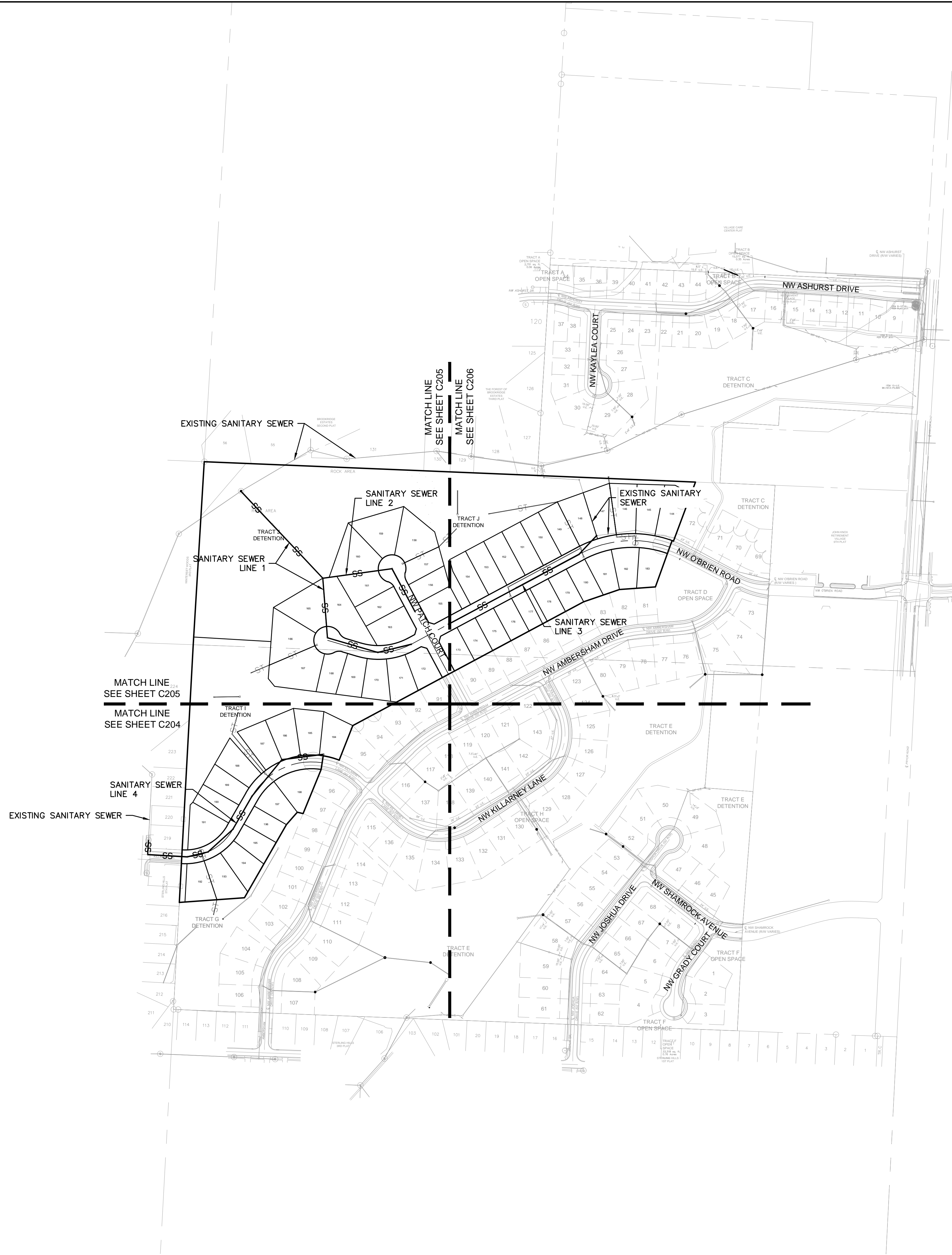
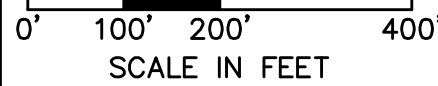
drawn by: C.S.M  
checked by: S.M.S  
designed by: C.S.M  
QA/QC by: J.E.S  
project no.: C18-1140  
date: 2020.06.09

SHEET  
C201







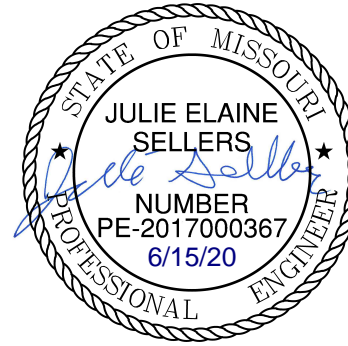
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MASTER PLAN  
SANITARY SEWER PLANS

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WOODSIDE RIDGE  
SECOND PLAT

LEE'S SUMMIT MO







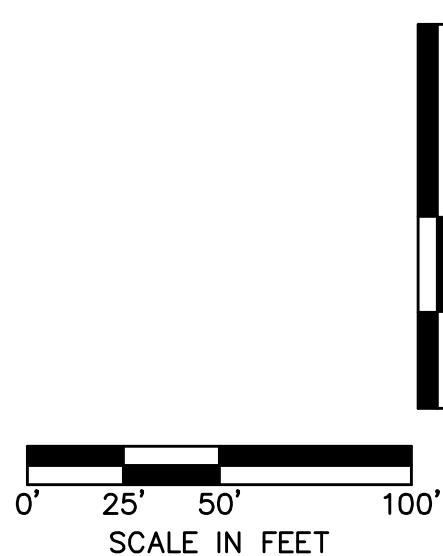
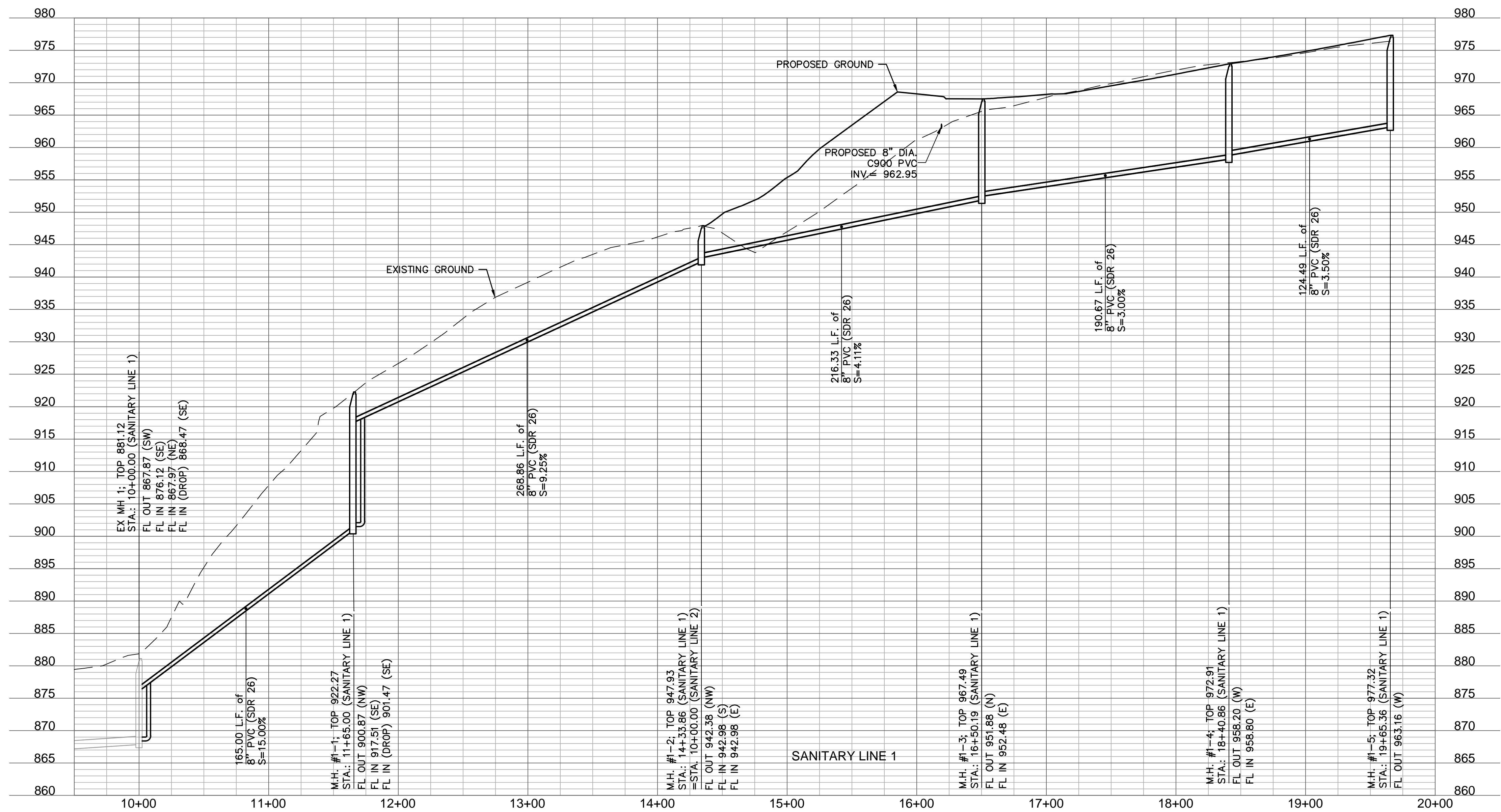
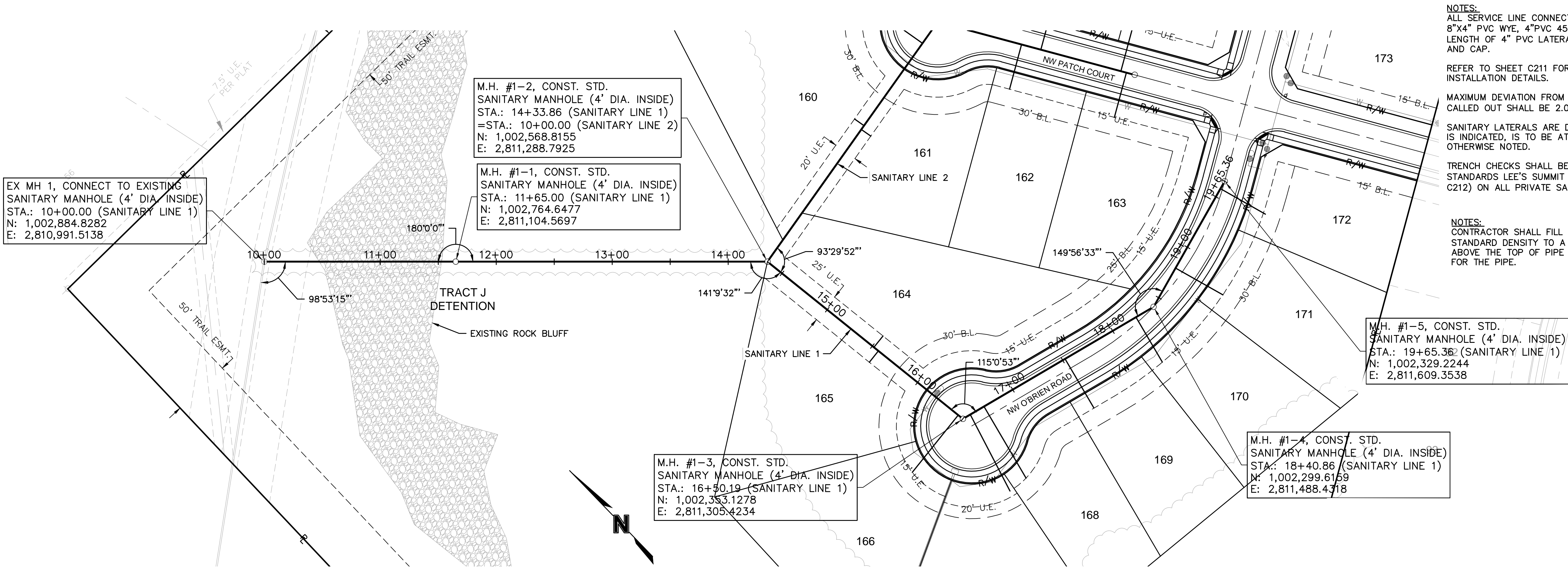












NOTES:  
ALL SERVICE LINE CONNECTIONS SHALL BE MADE WITH AN 8"x4" PVC WYE, 4" PVC 45° BEND, AND THE APPROPRIATE LENGTH OF 4" PVC LATERAL (UNLESS OTHERWISE SHOWN) AND CAP.

REFER TO SHEET C211 FOR SANITARY DESIGN AND LATERAL INSTALLATION DETAILS.

MAXIMUM DEVIATION FROM LATERAL STATION LOCATIONS AS CALLED OUT SHALL BE 2.0' TO AVOID PIPE JOINT.

SANITARY LATERALS ARE DESIGNED @ 2.00% SLOPE. IF RISE IS INDICATED, IS TO BE AT THE SANITARY MAIN, UNLESS OTHERWISE NOTED.

TRENCH CHECKS SHALL BE PROVIDED IN ACCORDANCE WITH STANDARDS LEE'S SUMMIT TRENCH CHECK DETAIL (SHEET C212) ON ALL PRIVATE SANITARY SEWER SERVICE LATERALS.

NOTES:  
CONTRACTOR SHALL FILL AND COMPACT TO 95% STANDARD DENSITY TO A POINT 36" MINIMUM ABOVE THE TOP OF PIPE PRIOR TO EXCAVATION FOR THE PIPE.

olsson

NO. 001 of 001  
303 E. BURLINGTON SUITE 100  
NORTH KANSAS CITY, MO 64116  
TEL 816.381.1177  
www.olsson.com

STATE OF MISSOURI  
JULIE ELAINE SELLERS  
Professional Engineer  
NUMBER PE-2017000367  
6/15/20

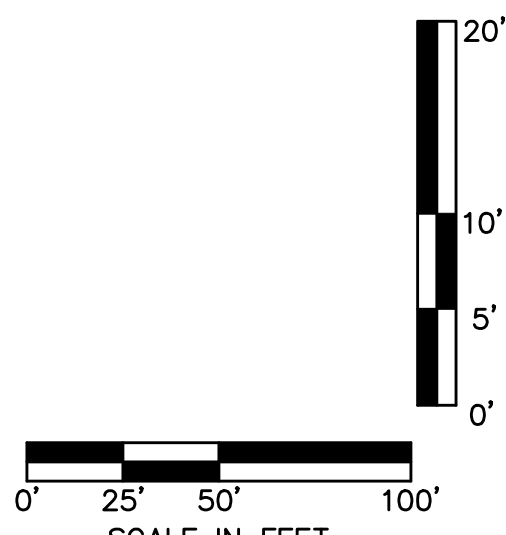
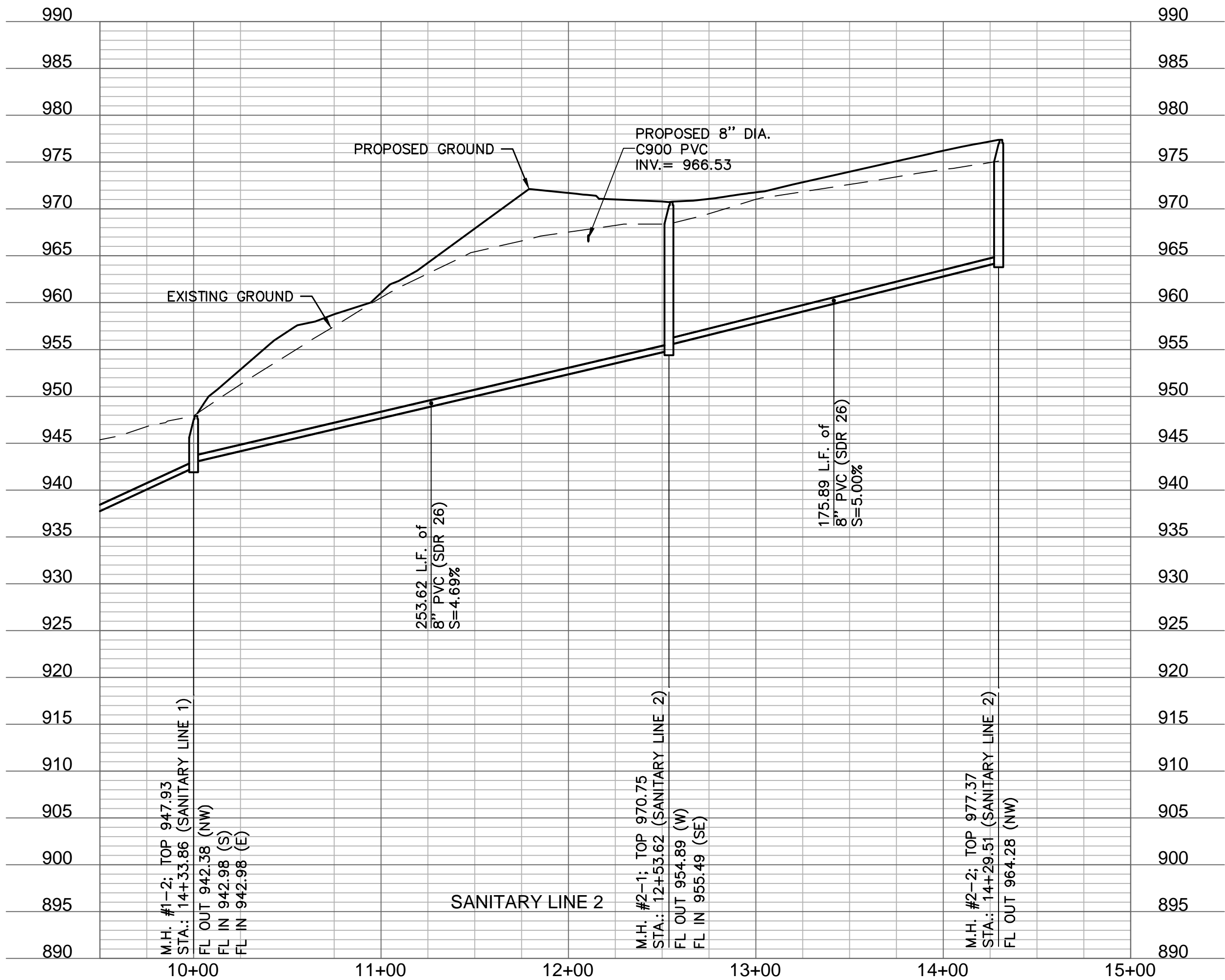
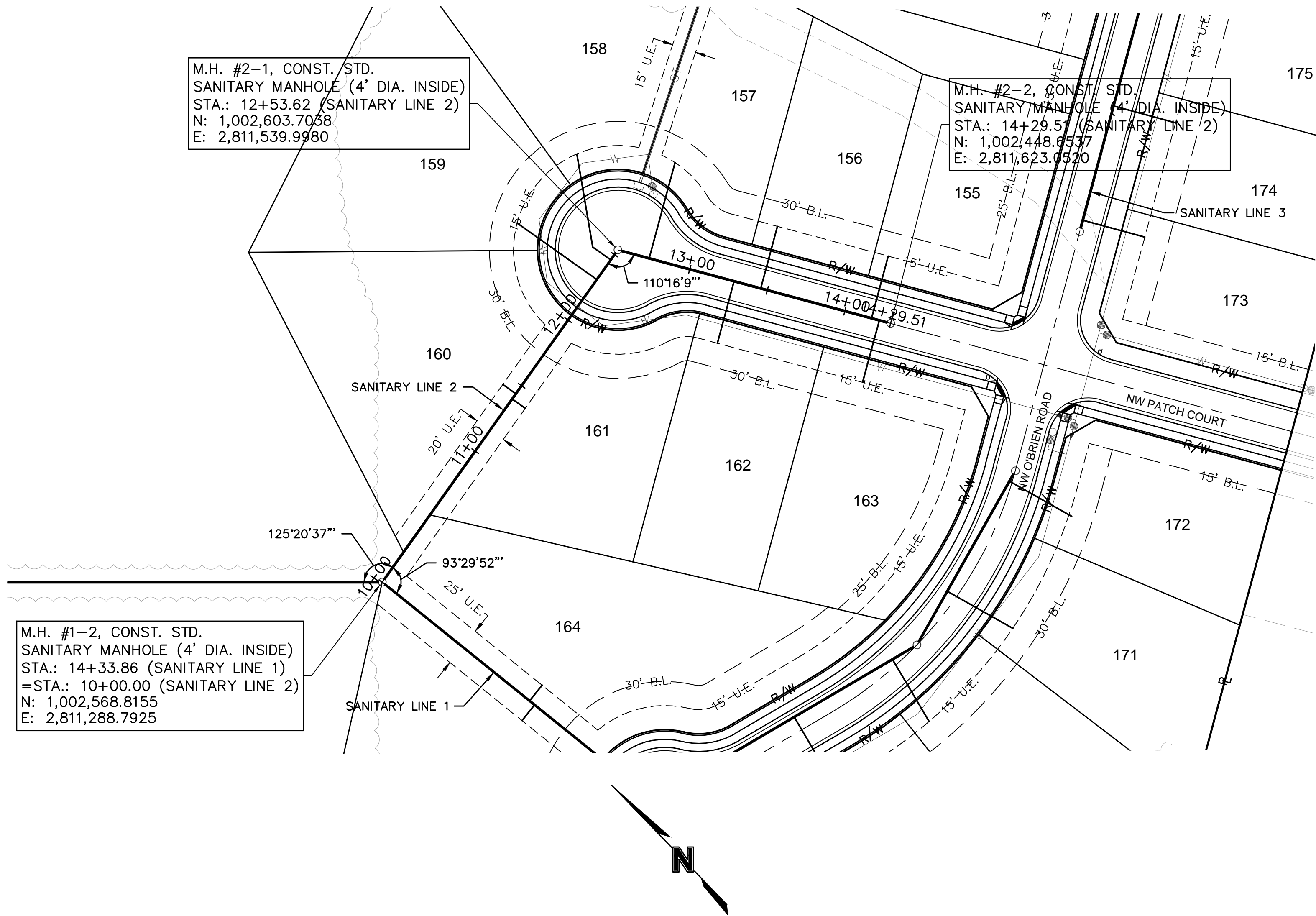
BY: \_\_\_\_\_  
DATE: \_\_\_\_\_  
NO. REV. \_\_\_\_\_  
REVISIONS DESCRIPTION

SANITARY SEWER PLAN & PROFILE  
SANITARY SEWER PLANS  
WOODSIDE RIDGE  
SECOND PLAT  
LEE'S SUMMIT, MO  
2020

drawn by: \_\_\_\_\_ C.S.M.  
checked by: \_\_\_\_\_ S.M.S.  
designed by: \_\_\_\_\_ C.S.M.  
QA/QC by: \_\_\_\_\_ J.E.S.  
project no.: C18-1140  
date: 2020.06.15

SHEET  
C207





NOTES:  
ALL SERVICE LINE CONNECTIONS SHALL BE MADE WITH AN 8"x4" PVC WYE, 4"PVC 45° BEND, AND THE APPROPRIATE LENGTH OF 4" PVC LATERAL (UNLESS OTHERWISE SHOWN) AND CAP.

REFER TO SHEET C211 FOR SANITARY DESIGN AND LATERAL INSTALLATION DETAILS.

MAXIMUM DEVIATION FROM LATERAL STATION LOCATIONS AS CALLED OUT SHALL BE 2.0' TO AVOID PIPE JOINT.

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TRENCH CHECKS SHALL BE PROVIDED IN ACCORDANCE WITH STANDARDS LEE'S SUMMIT TRENCH CHECK DETAIL (SHEET C212) ON ALL PRIVATE SANITARY SEWER SERVICE LATERALS.

NOTES:  
CONTRACTOR SHALL FILL AND COMPACT TO 95% STANDARD DENSITY TO A POINT 36" MINIMUM ABOVE THE TOP OF PIPE PRIOR TO EXCAVATION FOR THE PIPE.

olsson

NO Conflicts of Interest as of 03/18/22  
303 E. BURLINGTON SUITE 100  
NORTH KANSAS CITY, MO 64116  
TEL 816.361.1177  
www.olsson.com

STATE OF MISSOURI  
JULIE ELAINE SELLERS  
Professional Engineer  
NUMBER PE-2017000367  
6/15/20

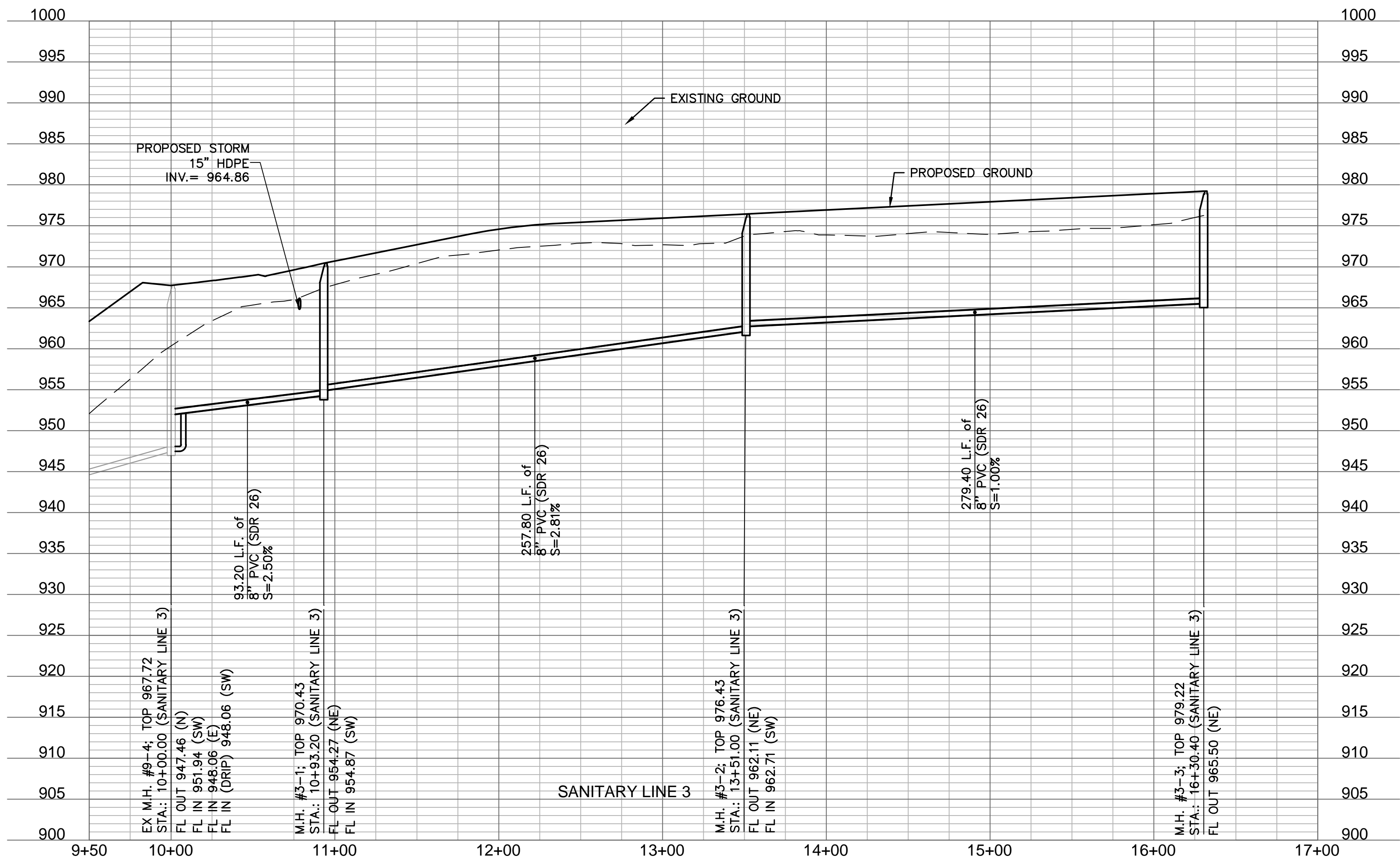
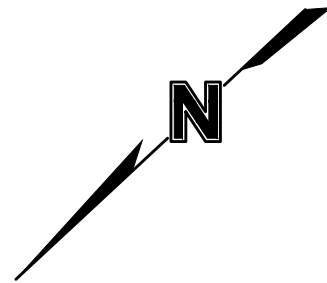
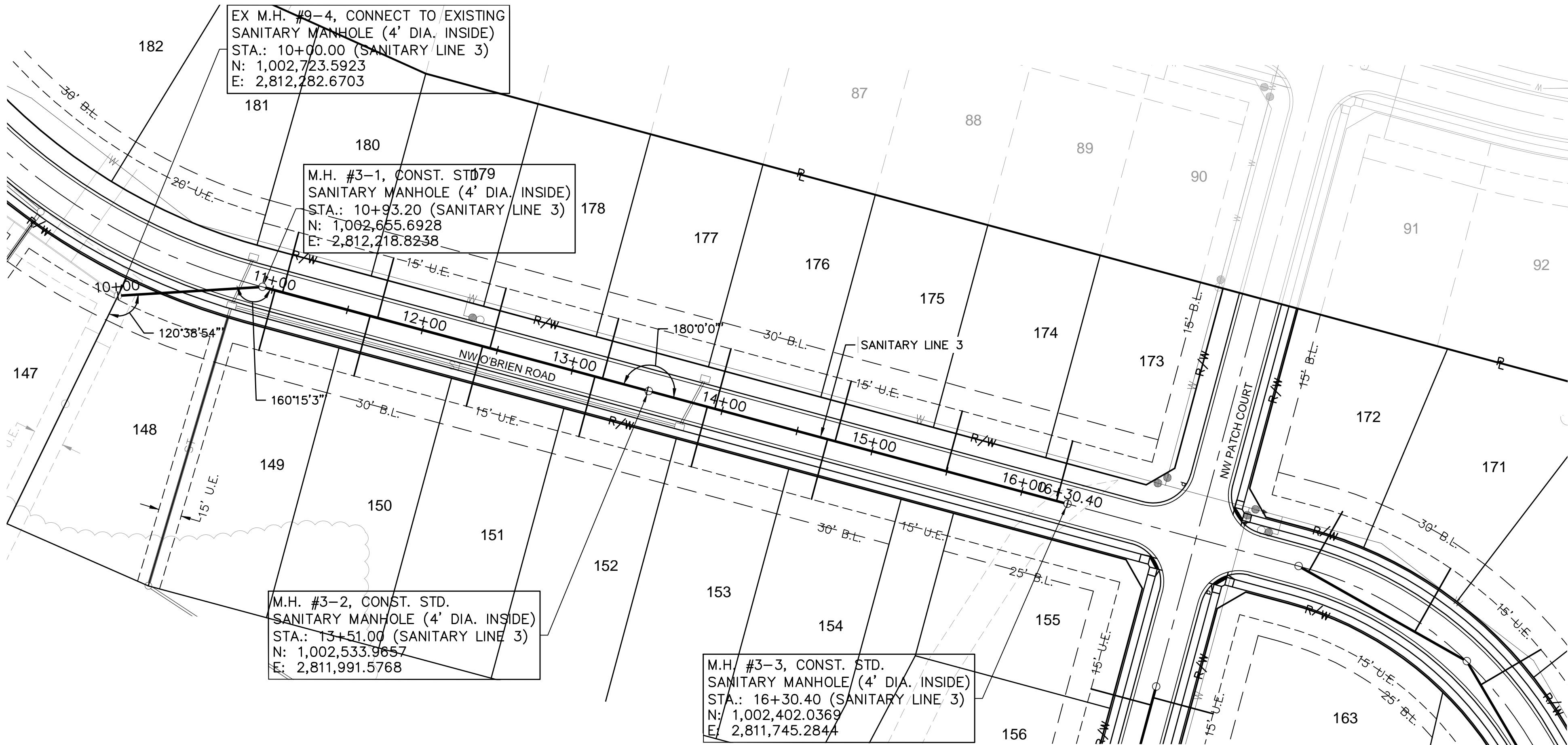
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SANITARY SEWER PLAN & PROFILE  
SANITARY SEWER PLANS  
WOODSIDE RIDGE  
SECOND PLAT  
LEE'S SUMMIT, MO  
2020

drawn by: \_\_\_\_\_ C.S.M.  
checked by: \_\_\_\_\_ S.M.S.  
designed by: \_\_\_\_\_ C.S.M.  
QA/QC by: \_\_\_\_\_ J.E.S.  
project no.: C18-1140  
date: 2020.06.15

SHEET C208





NOTES:  
ALL SERVICE LINE CONNECTIONS SHALL BE MADE WITH AN 8"x4" PVC WYE, 4"PVC 45° BEND, AND THE APPROPRIATE LENGTH OF 4" PVC LATERAL (UNLESS OTHERWISE SHOWN) AND CAP.

REFER TO SHEET C211 FOR SANITARY DESIGN AND LATERAL INSTALLATION DETAILS.

MAXIMUM DEVIATION FROM LATERAL STATION LOCATIONS AS CALLED OUT SHALL BE 2.0' TO AVOID PIPE JOINT.

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NOTES:  
CONTRACTOR SHALL FILL AND COMPACT TO 95% STANDARD DENSITY TO A POINT 36" MINIMUM ABOVE THE TOP OF PIPE PRIOR TO EXCAVATION FOR THE PIPE.

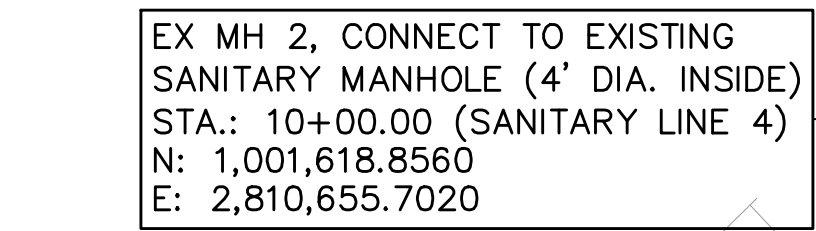
olsson

NO. 00000000 of Architects at 601.992  
301 E. BURLINGTON SUITE 100  
NORTH KANSAS CITY, MO 64116  
TEL 816.361.1177  
www.olsson.com

STATE OF MISSOURI  
JULIE ELAINE SELLERS  
Professional Engineer  
NUMBER PE-2017000367  
6/15/20

BY: \_\_\_\_\_  
REVISIONS DESCRIPTION  
NO. REV. DATE  
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M.H. #4-1, CONST. STD.  
SANITARY MANHOLE (4' DIA. INSIDE)  
STA.: 10+53.11 (SANITARY LINE 4)  
N: 1,001,565.8211  
E: 2,810,652.9353

REMOVE AND REPLACE PAVEMENT AS  
NECESSARY FOR SANITARY SEWER  
INSTALLATION. REFERENCE WOODSIDE  
RIDGE SECOND PLAT STREET &  
STORM PLANS, SHEET C110 FOR  
MORE INFORMATION.

M.H. #4-2, CONST. STD.  
SANITARY MANHOLE (4' DIA. INSIDE)  
STA.: 11+97.18 (SANITARY LINE 4)  
N: 1,001,557.5900  
E: 2,810,796.7760

M.H. #4-3, CONST. STD.  
SANITARY MANHOLE (4' DIA. INSIDE)  
STA.: 12+74.24 (SANITARY LINE 4)  
N: 1,001,575.3645  
E: 2,810,871.7511

M.H. #4-4, CONST. STD.  
SANITARY MANHOLE (4' DIA. INSIDE)  
STA.: 13+96.62 (SANITARY LINE 4)  
N: 1,001,657.6676  
E: 2,810,962.3294

M.H. #4-5, CONST. STD.  
SANITARY MANHOLE (4' DIA. INSIDE)  
STA.: 15+34.45 (SANITARY LINE 4)  
N: 1,001,777.1191  
E: 2,811,031.0843

M.H. #4-6, CONST. STD.  
SANITARY MANHOLE (4' DIA. INSIDE)  
STA.: 17+06.48 (SANITARY LINE 4)  
N: 1,001,910.3843  
E: 2,811,139.8771

M.H. #4-7, CONST. STD.  
SANITARY MANHOLE (4' DIA. INSIDE)  
STA.: 18+58.81 (SANITARY LINE 4)  
N: 1,001,929.8641  
E: 2,811,290.9553

NOTES:  
ALL SERVICE LINE CONNECTIONS SHALL BE MADE WITH AN 8"X4" PVC WYE, 4" PVC 45° BEND, AND THE APPROPRIATE LENGTH OF 4" PVC LATERAL (UNLESS OTHERWISE SHOWN) AND CAP.

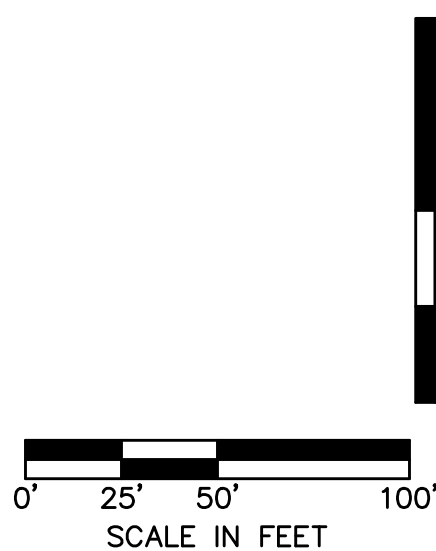
REFER TO SHEET C211 FOR SANITARY DESIGN AND LATERAL  
INSTALLATION DETAILS.

MAXIMUM DEVIATION FROM LATERAL STATION LOCATIONS AS  
CALLED OUT SHALL BE 2.0' TO AVOID PIPE JOINT.

SANITARY LATERALS ARE DESIGNED @ 2.00% SLOPE. IF RISE  
IS INDICATED, IS TO BE AT THE SANITARY MAIN, UNLESS  
OTHERWISE NOTED.

TRENCH CHECKS SHALL BE PROVIDED IN ACCORDANCE WITH STANDARDS LEE'S SUMMIT TRENCH CHECK DETAIL (SHEET C212) ON ALL PRIVATE SANITARY SEWER SERVICE LATERALS.

**NOTES:**  
CONTRACTOR SHALL FILL AND COMPACT TO 95%  
STANDARD DENSITY TO A POINT 36" MINIMUM  
ABOVE THE TOP OF PIPE PRIOR TO EXCAVATION  
FOR THE PIPE.



## SANITARY SEWER PLAN & PROFILE SANITARY SEWER PLANS

OODSIDE RIDGE  
SECOND PLAT

LEE'S SUMMIT, MO

2020

drawn by: \_\_\_\_\_ C.S.M  
checked by: \_\_\_\_\_ S.M.S  
designed by: \_\_\_\_\_ C.S.M  
QA/QC by: \_\_\_\_\_ J.E.S  
project no.: \_\_\_\_\_ C18-1140  
date: \_\_\_\_\_ 2020.06.15

SHEET  
C210

[illegible]

STATE OF MISSOURI  
JULIE ELAINE SELLERS  
NUMBER  
PE-2017000367  
6/15/20  
PROFESSIONAL ENGINEER

**obso**

MO Certificate of Authority #001592  
1301 BURLINGTON, SUITE 100  
NORTH KANSAS CITY, MO 64116  
TEL 816.361.1177  
www.djssson.com



Sanitary Sewer Laterals						
Lot Number	Lateral Station	Lateral Length	Riser	Flowline at Main	Flowline at End of Lateral	Minimum Servicable Floor Elevation
		(ft)	(ft)	(ft)	(ft)	(ft)
150	11+65.14	40.00	4.0	956.8	962.6	965.36
151	12+40.14	40.00	4.0	958.9	964.6	967.43
152	13+15.14	40.00	2.0	961.0	964.7	967.53
153	13+90.14	40.00	1.0	962.9	965.7	968.53
154	14+70.41	40.00	1.0	963.7	966.5	969.33
155	14+17.17	40.00	1.0	963.4	966.2	969.01
156	13+45.75	40.00	2.0	959.9	963.6	966.41
157	12+73.79	61.79	2.0	956.3	960.5	963.25
158	12+45.92	72.52	2.0	954.3	958.7	961.50
159	12+30.97	60.93	4.0	953.6	959.7	962.54
160	11+43.81	10.00	9.0	949.6	959.6	962.42
161	11+39.81	10.00	10.0	949.4	960.4	963.21
162	13+28.57	40.00	2.0	959.0	962.8	965.56
163	14+22.17	40.00	1.0	963.7	966.5	969.26
164	15+51.64	10.00	8.0	947.7	956.7	959.53
165	15+56.64	10.00	7.0	947.9	956.0	958.75
166	16+45.07	63.29	2.0	951.4	955.7	958.46
167	16+54.28	73.99	1.0	952.4	955.8	958.62
168	16+71.28	71.64	1.0	952.9	956.3	959.08
169	17+52.34	49.23	2.0	955.3	959.2	962.04
170	18+23.26	44.95	2.0	957.9	961.8	964.60
171	18+79.32	46.90	2.0	959.9	963.8	966.60
172	19+57.99	44.54	2.0	962.7	966.5	969.31
173	16+23.06	40.00	1.0	965.3	968.1	970.86
174	15+49.40	40.00	1.0	964.5	967.3	970.12
175	14+75.40	40.00	1.0	963.8	966.6	969.38
176	13+95.13	40.00	1.0	963.0	965.8	968.58
177	13+20.13	40.00	2.0	961.1	964.9	967.67
178	12+45.13	40.00	4.0	959.0	964.8	967.56
179	11+70.14	40.00	4.0	957.0	962.7	965.50
180	11+06.41	40.00	3.0	955.2	960.0	962.77
184	18+51.39	11.54	2.0	950.0	953.2	955.95
185	17+87.91	20.25	2.0	949.3	952.6	955.43
186	17+18.41	13.63	1.0	948.5	950.8	953.55
187	16+80.38	23.41	0.0	947.7	949.1	951.95
188	15+62.02	43.15	0.0	946.4	948.2	951.04
189	14+87.20	40.00	0.0	945.2	947.0	949.75
190	14+25.69	40.00	0.0	944.5	946.3	949.08
191	12+25.92	36.55	0.0	941.5	943.2	946.01
192	12+15.92	42.93	0.0	941.4	943.2	946.03
193	12+64.47	47.05	0.0	941.9	943.8	946.65
194	13+63.70	48.83	0.0	943.4	945.4	948.17
195	13+80.14	45.36	0.0	943.6	945.5	948.28
196	14+47.12	40.00	0.0	944.7	946.5	949.31
197	15+22.69	40.00	0.0	945.5	947.3	950.14
198	16+41.21	47.47	1.0	947.2	950.2	952.98

Sanitary Sewer Design Information											
Upstream Manhole	Downstream Pipe Slope	Downstream Pipe Diameter	Proposed Cumulative Area	Future Cumulative Area	Peak Base Flow 50-Year Design	Peak Infiltration Flow 50-Year Design	Peak Inflow 50-Year Design	Total Peak Flow	Downstream Pipe Mannings N	Downstream Pipe Capacity	Downstream Pipe Full Flow Velocity
	(%)	(in)	(Ac.)	(Ac.)	(gpd)	(gpd)	(cfs)	(cfs)		(cfs)	(fps)
EX MH 7776	1.33%	15	346.72	0.00	520080.00	173360.000	4.251	5.324	0.014	6.92	5.64
MH 1-1	15.00%	8	7.72	0.00	11580.00	3860.000	0.228	0.252	0.014	4.35	12.45
MH 1-2	9.25%	8	7.72	0.00	11580.00	3860.000	0.228	0.252	0.014	3.41	9.78
MH 1-3	4.00%	8	3.97	0.00	5955.00	1985.000	0.124	0.136	0.014	2.24	6.43
MH 1-4	3.00%	8	2.31	0.00	3465.00	1155.000	0.075	0.082	0.014	1.94	5.57
MH 1-5	3.50%	8	0.76	0.00	1140.00	380.000	0.026	0.028	0.014	2.10	6.01
MH 1-2	9.25%	8	7.72	0.00	11580.00	3860.000	0.228	0.252	0.014	3.41	9.78
MH 2-1	4.60%	8	3.75	0.00	5625.00	1875.000	0.117	0.129	0.014	2.41	6.89
MH 2-2	5.00%	8	1.90	0.00	2850.00	950.000	0.062	0.068	0.014	2.51	7.19
EX MH 3-3	5.68%	8	9.58	0.00	14370.00	4790.000	0.277	0.307	0.014	2.67	7.66
MH 3-1	2.50%	8	4.45	0.00	6675.00	2225.000	0.137	0.151	0.014	1.77	5.08
MH 3-2	2.75%	8	4.45	0.00	6675.00	2225.000	0.137	0.151	0.014	1.86	5.33
MH 3-3	1.00%	8	1.92	0.00	2880.00	960.000	0.063	0.069	0.014	1.12	3.21
EX MH 4	5.80%	8	5.61	0.00	8415.00	2805.000	0.170	0.188	0.014	2.70	7.74
MH 4-1	1.10%	8	5.61	0.00	8415.00	2805.000	0.170	0.188	0.014	1.18	3.37
MH 4-2	1.10%	8	5.61	0.00	8415.00	2805.000	0.170	0.188	0.014	1.18	3.37
MH 4-3	1.10%	8	5.45	0.00	8175.00	2725.000	0.166	0.183	0.014	1.18	3.37
MH 4-4	1.10%	8	4.27	0.00	6405.00	2135.000	0.132	0.146	0.014	1.18	3.37
MH 4-5	1.10%	8	3.63	0.00	5445.00	1815.000	0.114	0.125	0.014	1.18	3.37
MH 4-6	1.10%	8	2.39	0.00	3585.00	1195.000	0.077	0.084	0.014	1.18	3.37
MH 4-7	1.10%	8	1.07	0.00	1605.00	535.000	0.036	0.039	0.014	1.18	3.37



SANITARY SEWER TABLES  
SANITARY SEWER PLANS

WOODSIDE RIDGE  
SECOND PLAT

LEE'S SUMMIT, MO

NO. REV.

DATE

REVISIONS DESCRIPTION

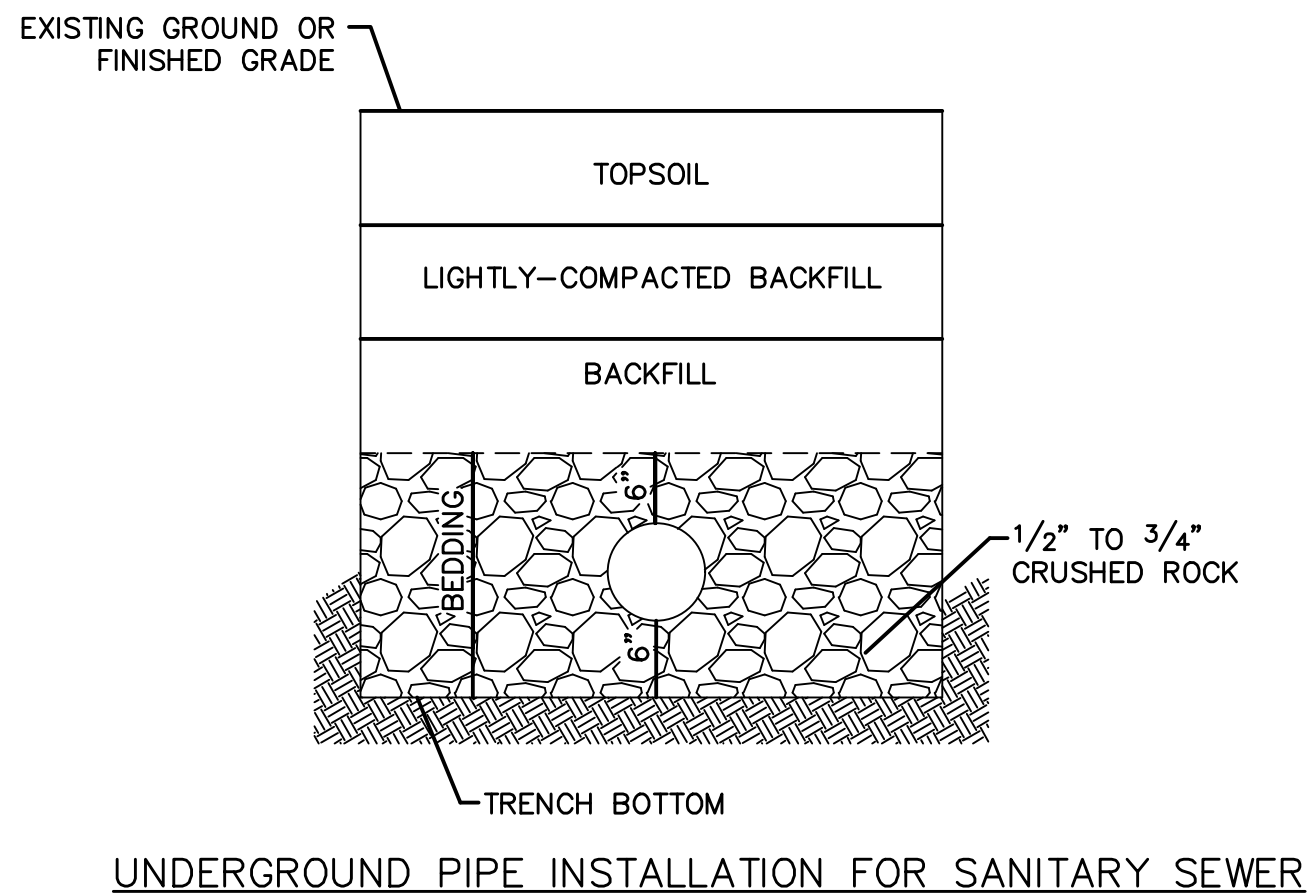
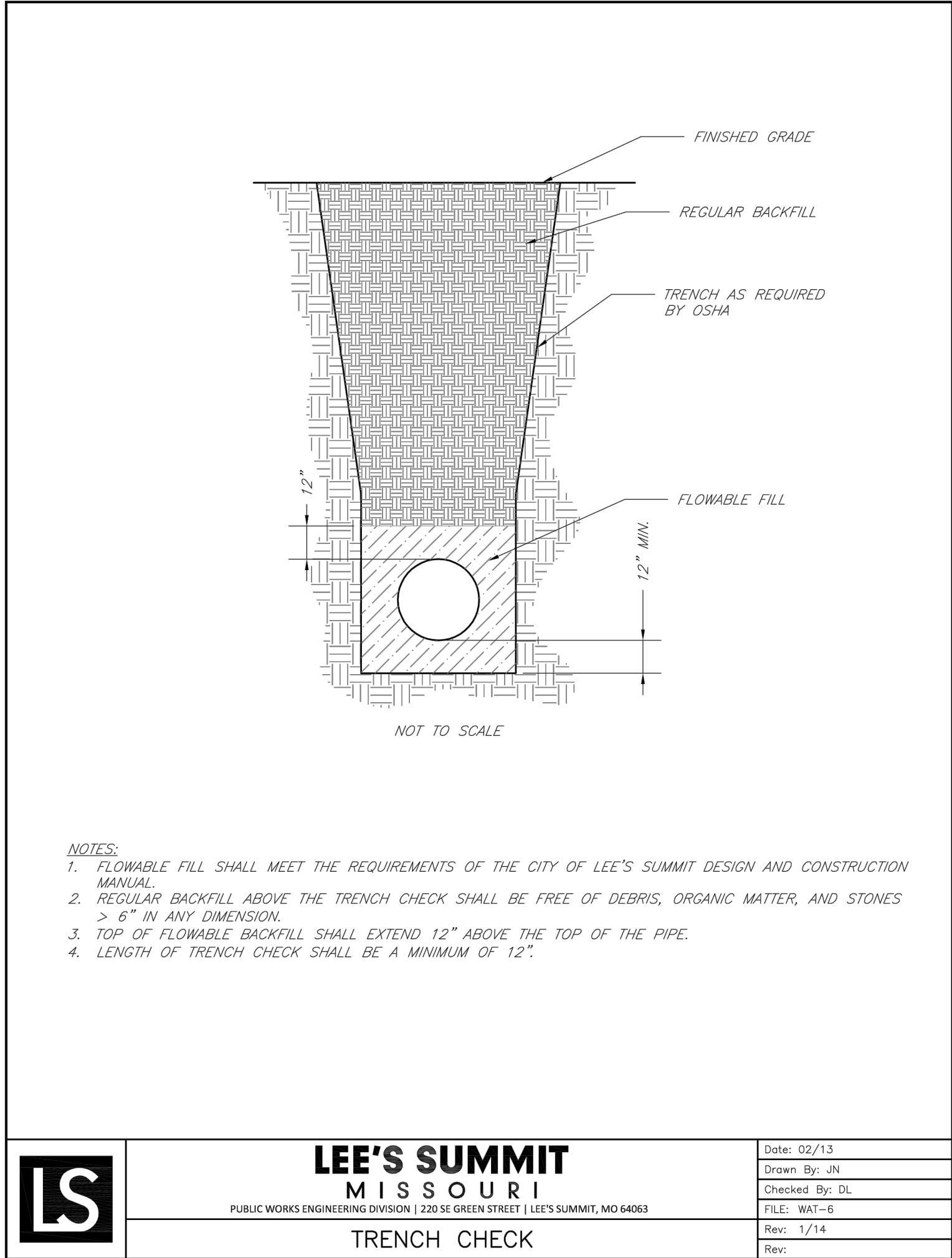
BY

2020

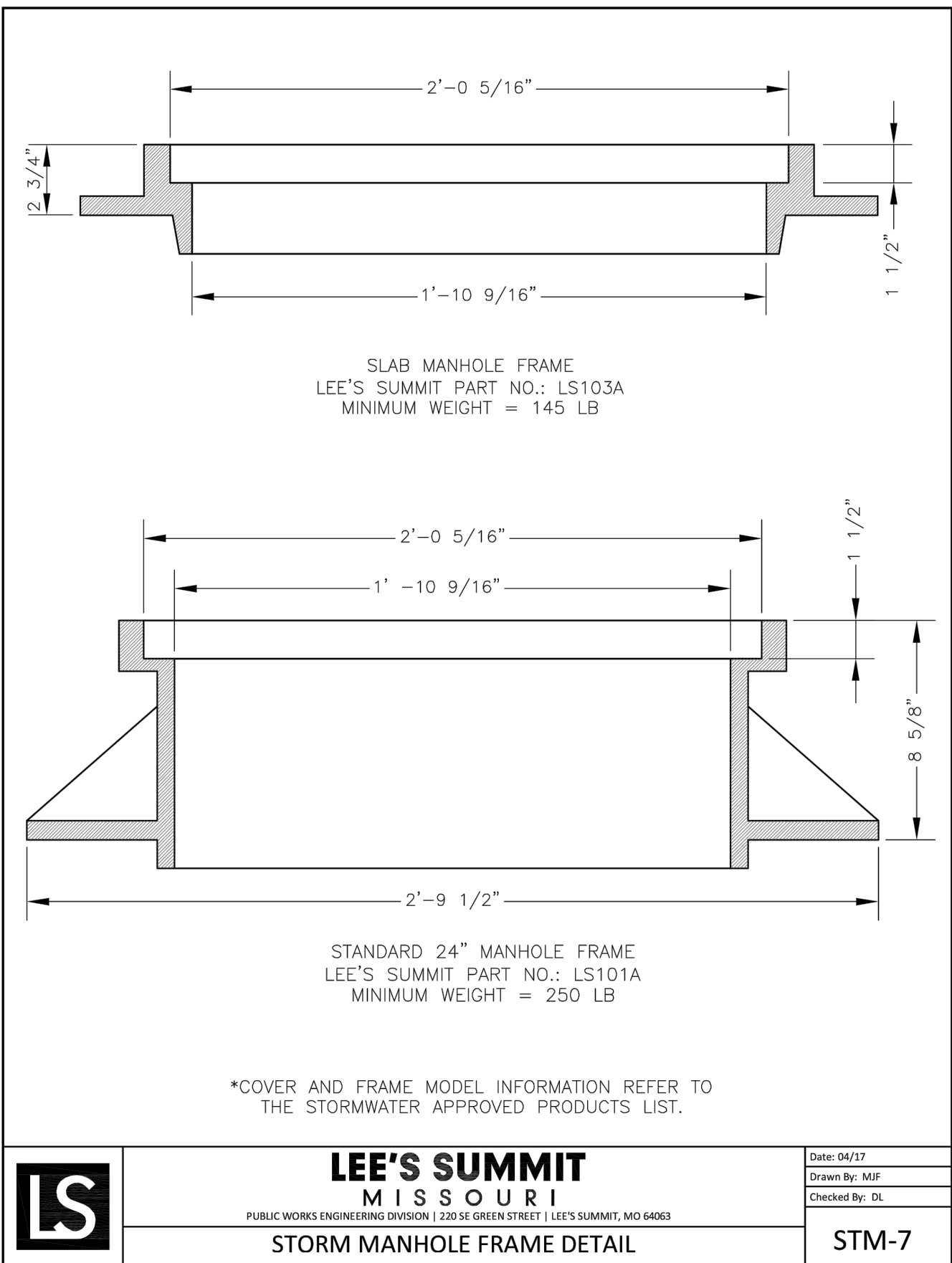
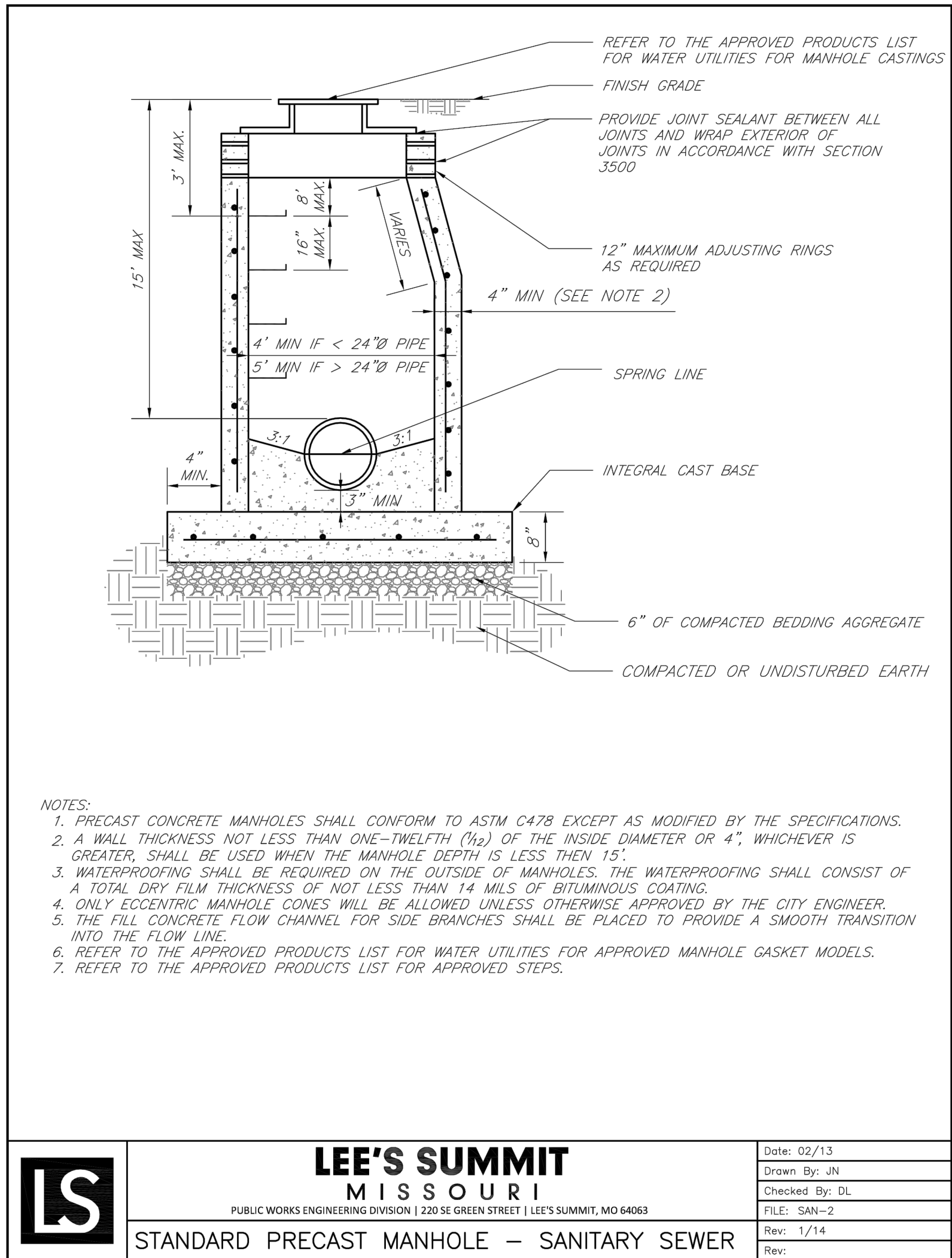
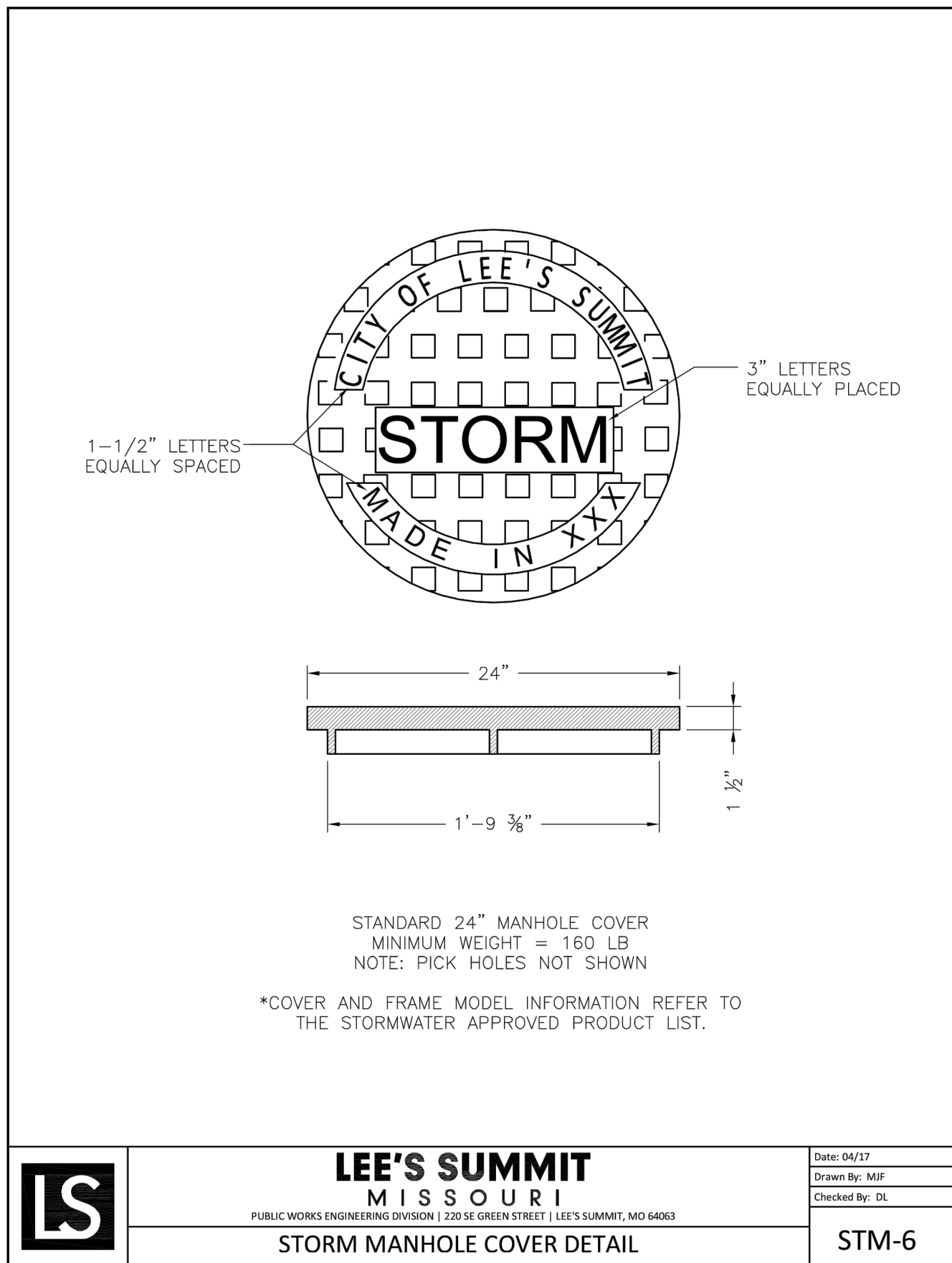
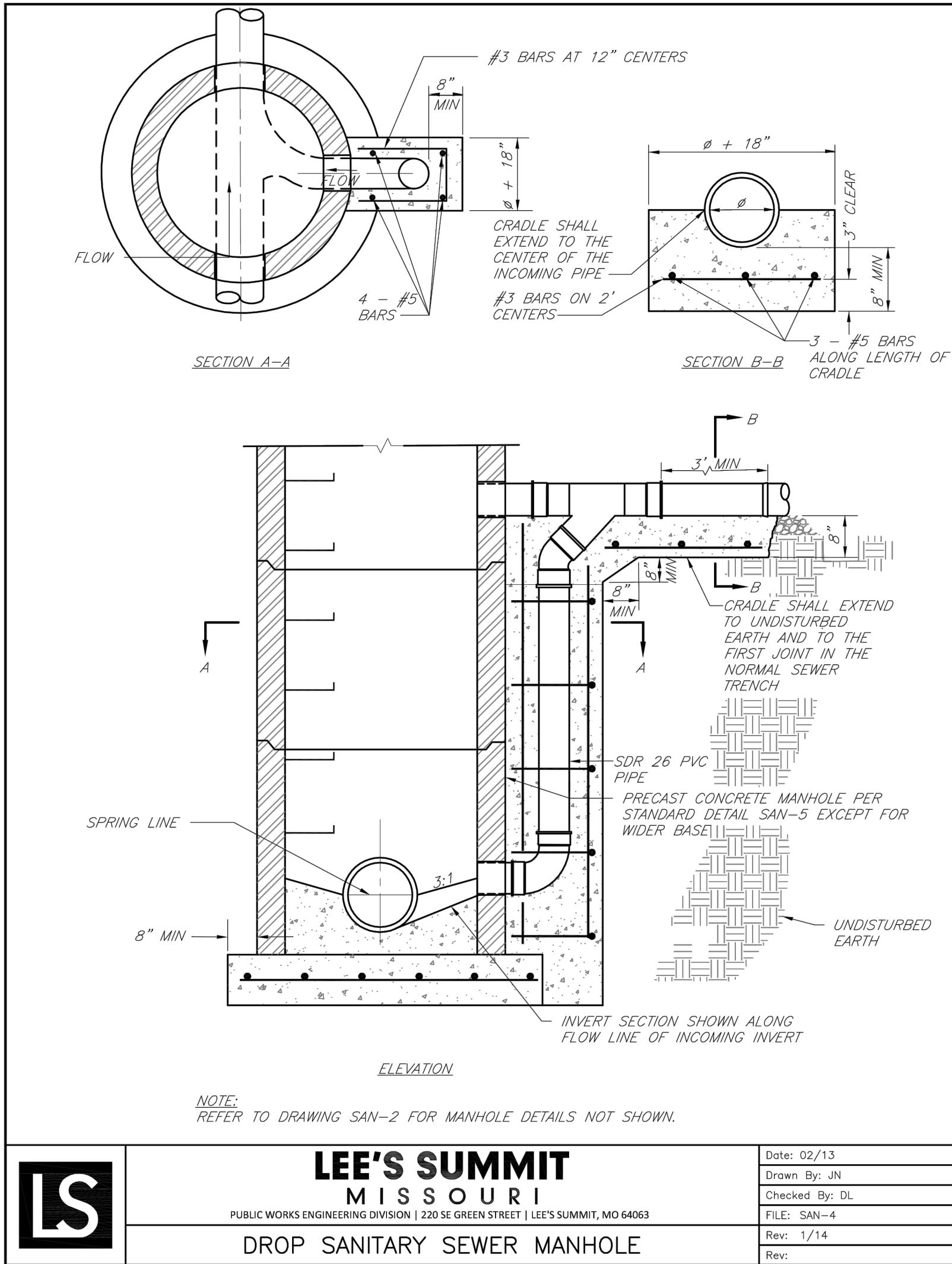
REVISIONS

drawn by: \_\_\_\_\_ C.S.M  
checked by: \_\_\_\_\_ S.M.S  
designed by: \_\_\_\_\_ C.S.M  
QA/QC by: \_\_\_\_\_ J.E.S  
project no.: C18-1140  
date: 2020.06.15

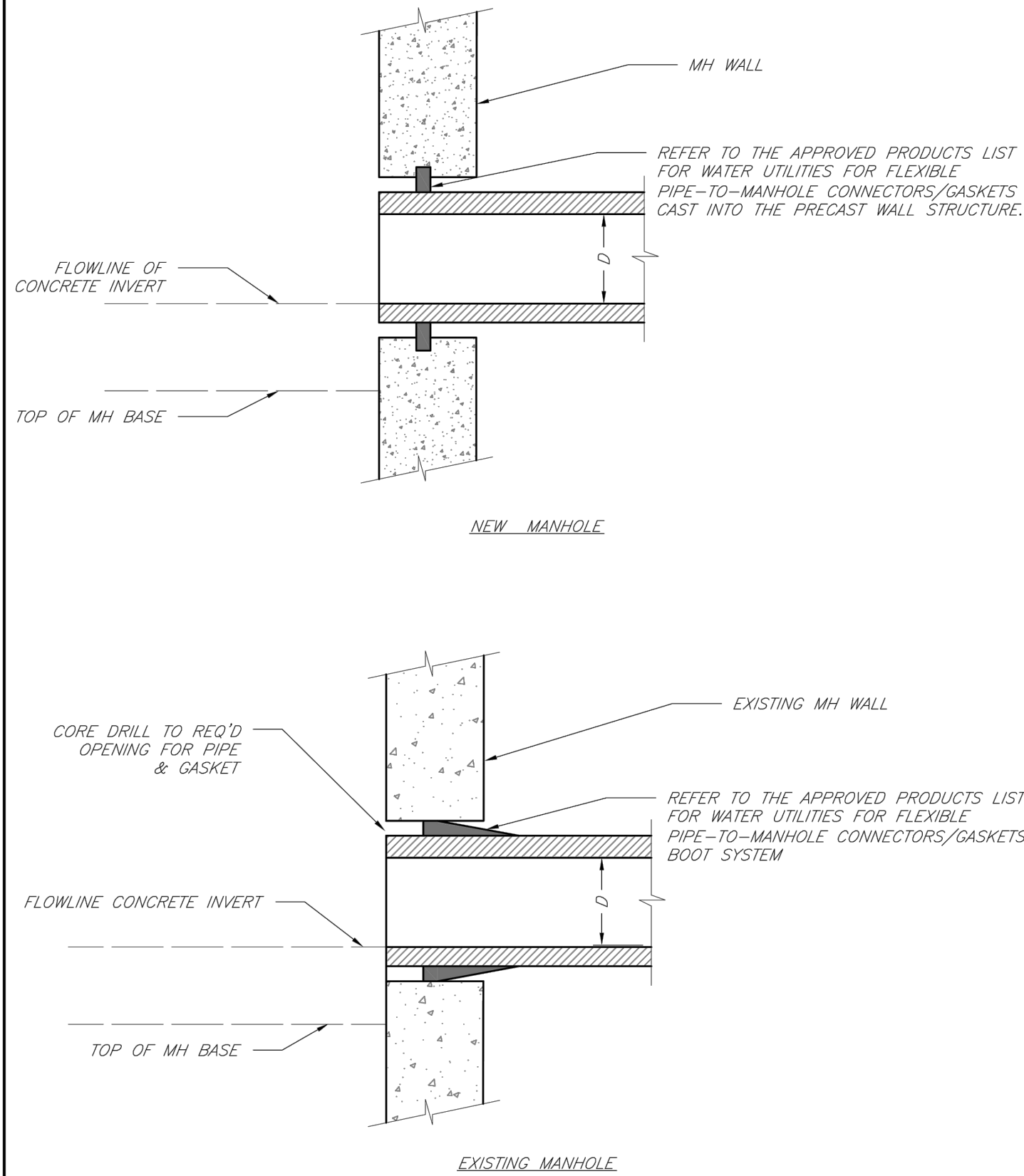




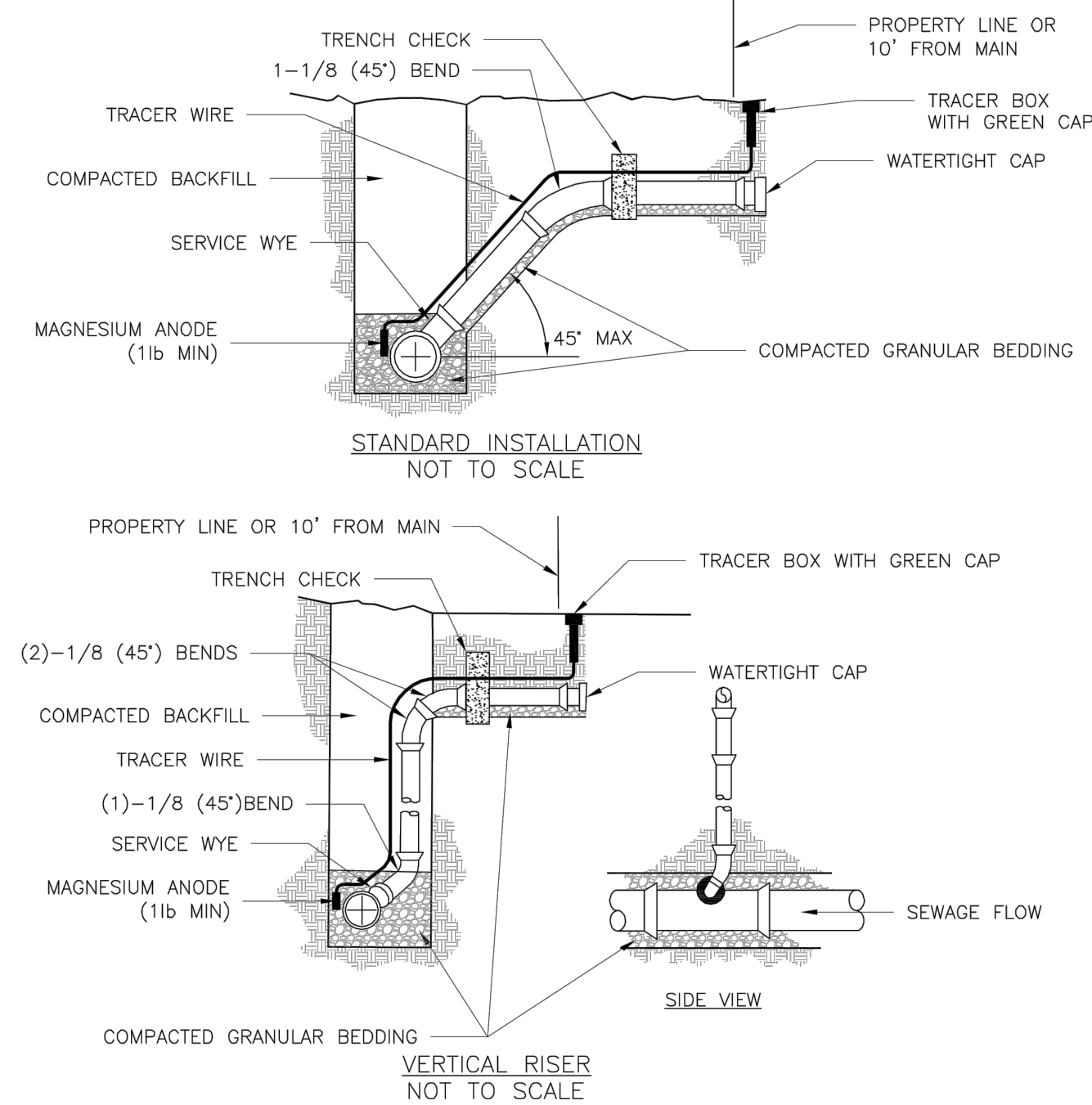
- NOTES:**
1. A MINIMUM OF 36 INCHES OF COVER SHALL BE OVER THE TOP OF THE PIPE. THIS MINIMUM OF COVER SHALL BE FROM THE TOP OF PIPE TO THE FINISHED GRADE.
  2. BEDDING AGGREGATE SHALL BE PLACED FROM A LEVEL 6 INCHES BELOW THE BOTTOM OF THE PIPE TO A LEVEL 6 INCHES ABOVE THE TOP OF THE PIPE.
  3. TRENCH BACKFILL IN PAVED AREAS WITHIN STREET OR ALLEY RIGHT OF WAYS
    - a. NARROW TRENCH: SUITABLE BACKFILL MATERIAL FOR TRENCHES 24 INCHES OR LESS IN WIDTH AND SHALL BE TYPE A FLOWABLE FILL.
    - b. STANDARD TRENCH: SUITABLE BACKFILL MATERIAL FOR TRENCHES BETWEEN 24 TO 48 INCHES WIDE SHALL BE EITHER TYPE A FLOWABLE FILL OR DENSE, WELL GRADED AGGREGATE BASE MATERIAL. AGGREGATE BASE MATERIAL SHALL MEET THE REQUIREMENTS FOR KDOT AB-3; MODOT TYPES 1 OR 5; OR APWA 2202.2.
    - c. WIDE TRENCH: SUITABLE BACKFILL MATERIAL FOR TRENCHES GREATER THAN 48 INCHES WIDE SHALL BE SUITABLE MATERIAL AS SPECIFIED FOR EARTH EMBANKMENT IN APWA STANDARD SPECIFICATIONS, SECTION 2102.2.C.
  4. SUITABLE BACKFILL MATERIAL OUTSIDE OF PAVED AREAS WITHIN RIGHT OF WAY, AND ALL AREAS OUTSIDE RIGHT OF WAY, MAY BE SUITABLE MATERIAL AS SPECIFIED FOR EARTH EMBANKMENT IN APWA STANDARD SPECIFICATIONS, SECTION 2102.2.C. SUITABLE BACKFILL MATERIAL MAY ALSO BE OTHER TRENCH BACKFILL MATERIAL (FLOWABLE FILL OR AGGREGATE BASE) DEPENDING ON SITE CONDITIONS, TRENCH WIDTHS OR AT THE DIRECTION OF THE CITY'S ON SITE INSPECTOR.







	<p align="center"><b>LEE'S SUMMIT</b> <b>MISSOURI</b></p> <p align="center">PUBLIC WORKS ENGINEERING DIVISION   220 SE GREEN STREET   LEE'S SUMMIT, MO 64063</p>	<p>Date: 02/13</p> <p>Drawn By: JN</p> <p>Checked By: DL</p> <p>FILE: SAN-5</p>
	<p align="center"><b>MANHOLE WALL CONNECTIONS</b></p>	<p>Rev: 1/14</p> <p>Rev:</p>



**NOTES:**

1. ALL SEWER STUBS SHALL BE CONSTRUCTED TO PROPERTY LINE OR 10' MINIMUM FROM THE MAIN, WHERE SIDEWALKS ARE PRESENT, CONTRACTOR SHALL EXTEND SERVICE LINE UNDER EXISTING SIDEWALK TO TWO FEET BEYOND.
2. ALL NEW CONSTRUCTION OF SEWER STUBS SHALL BE TEMPORARILY MARKED WITH A MARKING STAKE, 36" ABOVE GROUND AND PAINTED GREEN.
3. IMPEVIOUS TRENCH CHECKS SHALL BE PLACED ON BUILDING SEWER STUBS (AT LEAST 5' AWAY FROM THE SANITARY SEWER MAIN).
4. TRENCH CHECKS ON THE BUILDING SEWER STUBS SHALL EXTEND 6" BELOW THE BOTTOM OF THE PIPE. LENGTH SHALL BE A MINIMUM OF 12". THE HEIGHT OF THE TRENCH CHECK SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE. THE WIDTH OF THE TRENCH CHECK SHALL BE THE WIDTH OF THE TRENCH.
5. AN INDENTATION SECTION 2100 FOR SEWER MAIN BEDDING AND BACKFILL.
6. #12 GAUGE GREEN INSULATED COPPER TRACER WIRE SHALL BE INSTALLED, TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED DIRECTLY ABOVE THE SEWER SERVICE OR AS DETERMINED BY THE ENGINEER.
7. FOR SERVICES, THE TRACER WIRE SHALL RUN FROM THE MAIN AND TERMINATE IN A GROUND MOUNTED TRACER BOX WITH A GREEN CAST IRON LOCKABLE TOP. WIRE SHALL BE TAPPED OR TIED TO THE PIPE AT 5' INTERVALS.
8. TRACER WIRE BOX SHALL BE INSTALLED WITHIN 1.0' OF PROPERTY LINE.
9. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE. SPLICES IN THE TRACER WIRE SHOULD BE MADE WITH SPlicing CONNECTORS. WIRE NUTS SHALL NOT BE USED. A WATER-PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION.

	<p align="center"><b>LEE'S SUMMIT</b> <b>MISSOURI</b></p> <p align="center">PUBLIC WORKS ENGINEERING DIVISION   2201 SE GREEN STREET   LEE'S SUMMIT, MO 64063</p>	<p>Date: 04/17</p> <p>Drawn By: MJF</p> <p>Checked By: DL</p>
	<p align="center"><b>BUILDING SEWER STUB AND RISER</b></p>	<p align="center"><b>SAN-1</b></p>

STATE OF MISSOURI  
JULIE ELAINE SELLERS  
NUMBER  
PE-2017000367  
6/15/20  
PROFESSIONAL ENGINEER

[illegible]

<p>DETAILS SHEET SANITARY SEWER PLANS</p>	2020
<p>WOODSIDE RIDGE SECOND PLAT</p>	
<p>LEE'S SUMMIT, MO</p>	

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project no.: \_\_\_\_\_ C18-1140  
date: \_\_\_\_\_ 2020.06.15