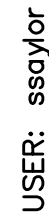


☒ NOT FOR CONSTRUCTION

☐ REVIEWED FOR CONSTRUCTION



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



Part of Lot 36, 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 Roubeshaw, P.L.S. 2002014092 as follows: Commencing at the Southeast corner of said Southeast Quarter; thence North 87°03'43" West, on the South line of said Southeast Quarter 2,633.21 feet to the Southwest corner of said Southeast Quarter; thence North 87°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 said Lot 3B, also being a point on the said West line of said Lot 3B, 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 BROOKRIDGE ESTATES - SECOND PLAT LOTS 39-84, 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 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 said proposed Westerly line 175.42 feet; thence South 85°52'23" West, along said proposed Westerly line, 130.41 feet; thence South 70°59'24" West, along said said proposed Westerly line, 137.47 feet; thence South 61°49'26" West, along said said proposed Westerly line, 951.56 feet; thence South 21°24'31" West, along said said proposed Westerly line, 135.10 feet, thence Westerly, along said 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 said proposed Westerly line, 50.00 feet; thence South 22°12'04" West, along said said proposed Westerly line, 173.03 feet; thence North 75°51'31" West, along said said proposed Westerly line, 21.43 feet; thence South 41°11'03" West, along said said proposed Westerly line, 60.06 feet; thence South 29°55'27" West, along said said proposed Westerly line, 306.11 feet; thence South 85°54'26" West, along said 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.

SHEET LIST TABLE	
Sheet #	Sheet Title
201	COVER SHEET
202	GENERAL NOTES
C203	MASTER PLAN
C204	GENERAL LAYOUT
C205	GENERAL LAYOUT
C206	GENERAL LAYOUT
C207	SANITARY SEWER PLAN & PROFILE
C208	SANITARY SEWER PLAN & PROFILE
C209	SANITARY SEWER PLAN & PROFILE
C210	SANITARY SEWER PLAN & PROFILE
C211	SANITARY SEWER TABLES
C212	DETAILS SHEET
C213	DETAILS SHEET

OLSSON HAS BEEN RETAINED TO PROVIDE AS-BUILT DRAWINGS FOR THIS PROJECT.

5/20/2021

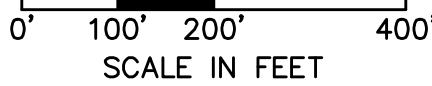
DATE

[illegible]WOODSIDE RIDGE
SECOND PLAT

LEE'S SUMMIT MO

drawn by: _____ C.S.
checked by: _____ S.M.
designed by: _____ C.S.
QA/QC by: _____ J.E.
project no.: _____ C18-114
date: _____ 2020.07.1

SHEET
C201

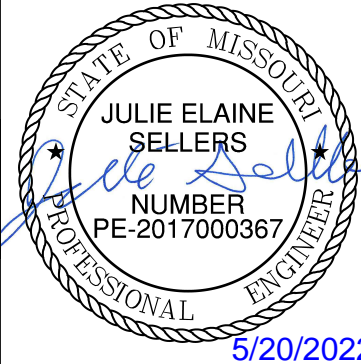


NOT ASBUILT

MASTER PLAN SANITARY SEWER PLANS

LEE'S SUMMIT MO

2020

[illegible]

olsion

MO Certificate of Authority #001592
1301 BURLINGTON, SUITE 100
NORTH KANSAS CITY, MO 64116
TEF 816 361 1177
www.djssn.com



MATCH LINE
SEE SHEET C205

MATCH LINE
SEE SHEET C204

TRACT I
DETENTION

MATCH LINE
SEE SHEET C206

KEY MAP

EXISTING SANITARY
LINE

EX MH 2

M.H. #4-1

(M.H. #4-

M.H. #4-2

M.H. #4-

M.H. #4-

190
SANITARY SEWER
LINE 4

STERLING HILLS
5TH PLAT

KILLARNEY IN

TRACT G
DETENTION

TRACT E
DETENTION

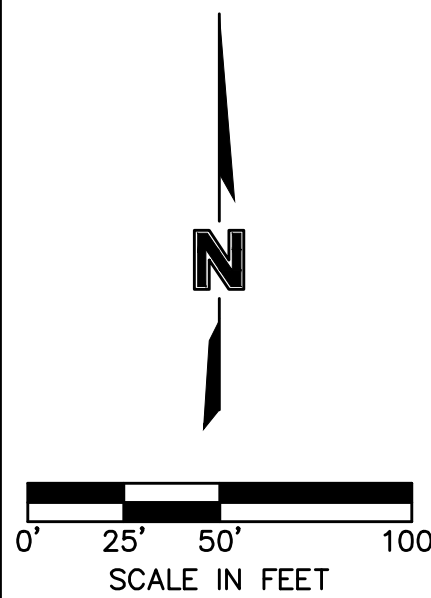
NW AMBERSHAM
DRIVE (50' R/W)

NW KILLARN
LANE (50' R/W)

NW AMBERSHAM
DRIVE (50' R/W)

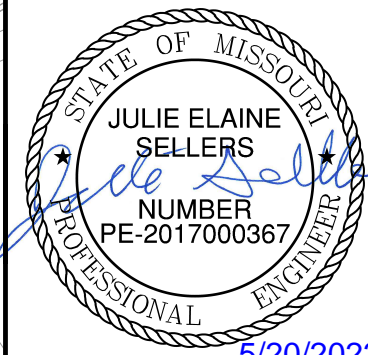
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DATE: May 20, 2022 8: 22am
USER: ssaylor



olsson

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1301 BURLINGTON, SUITE 100
NORTH KANSAS CITY MO 64116

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REVISIONS

2020

GENERAL LAYOUT 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: 2020.07.10

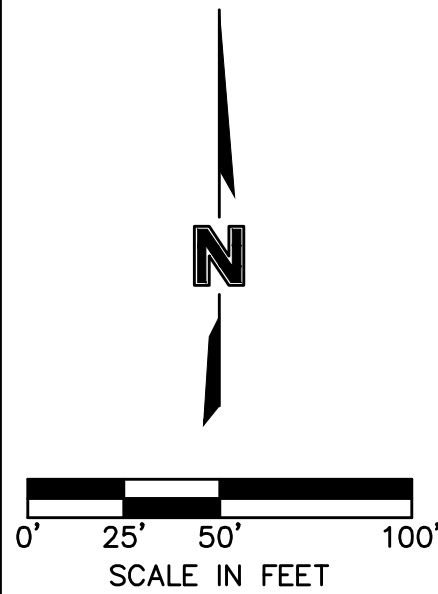
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DATE: May 20, 2022 8:22am
USER: ssaylor



KEY MAP

NOT ASBUILT



MATCH LINE
SEE SHEET C205
MATCH LINE
SEE SHEET C204

TRACT I
DETENTION

TRACT J
DETENTION

TRACT J
DETENTION

MATCH LINE
SEE SHEET C206

MATCH LINE
SEE SHEET C204

GENERAL LAYOUT
SANITARY SEWER PLANS

WOODSIDE RIDGE
SECOND PLAT

LEE'S SUMMIT, MO

REVISIONS DESCRIPTION

NO. REV. DATE

1 7/10/2020

REVISED PER CITY COMMENTS

2020

GENERAL LAYOUT
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: 2020.07.10

SHEET
C205



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5/20/2021:

DEVISIONS

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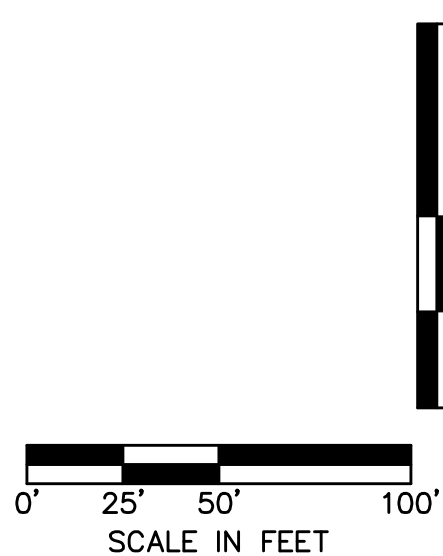
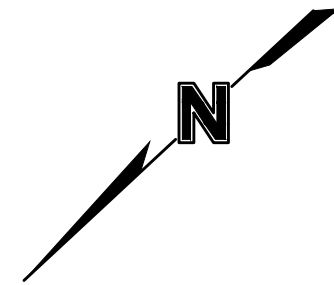
WOODSIDE RIDGE
SECOND PLAT

LEE'S SUMMIT, MO

SHEET
C206

wq

DWG: F:\2018\1001-1500\018-
DATE: May 20, 2022 8:22am



03-24-2022

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.

SHEET
C209

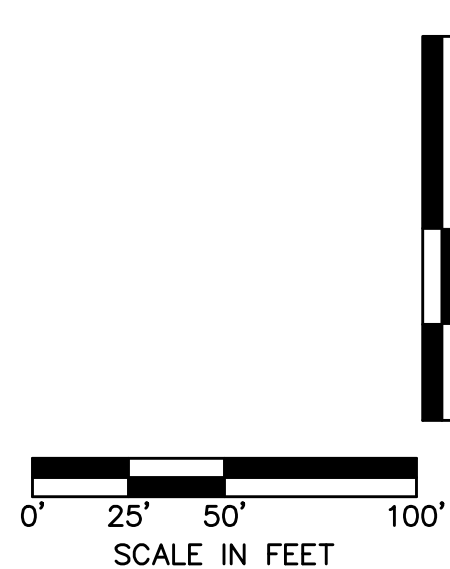
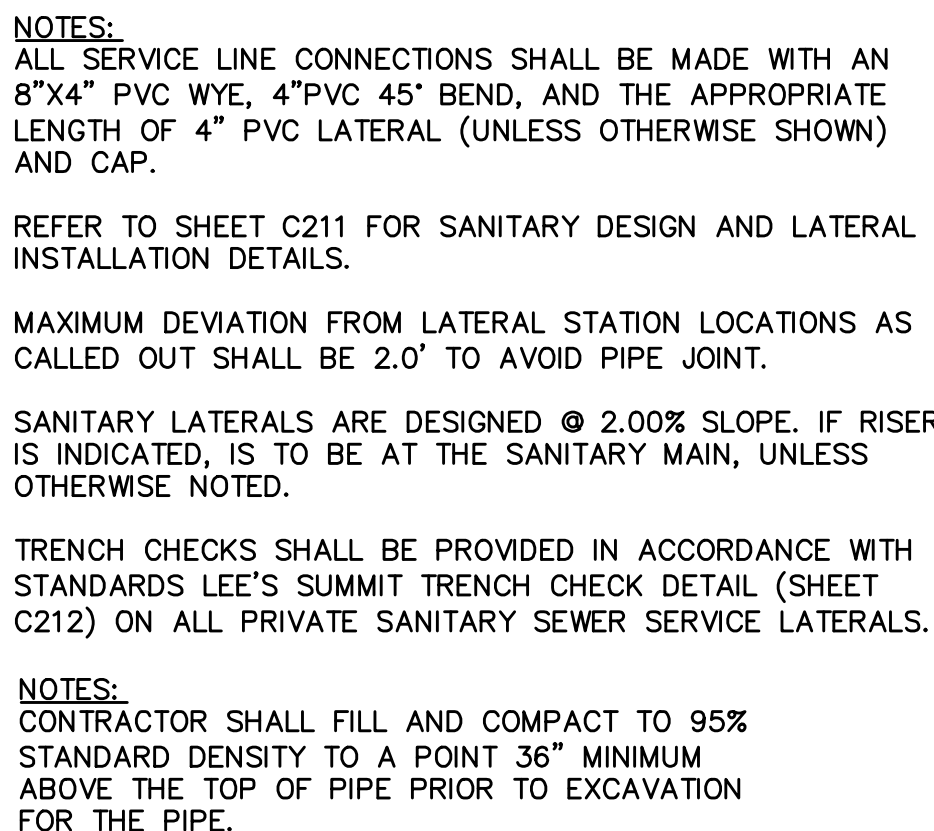
NO.

2020

5/20/202:

oslo

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



SANITARY SEWER PLAN & PROFILE SANITARY SEWER PLANS	WOODSIDE RIDGE SECOND PLAT	LEE'S SUMMIT, MO
SHEET C210		

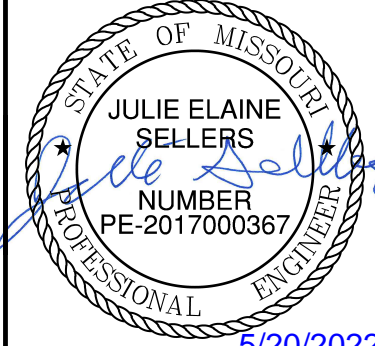
MO Certificate of Authority #:001592
1301 BURLINGTON, SUITE 100
NORTH KANSAS CITY, MO 64116
TEL 816.361.1177
www.dlsson.com

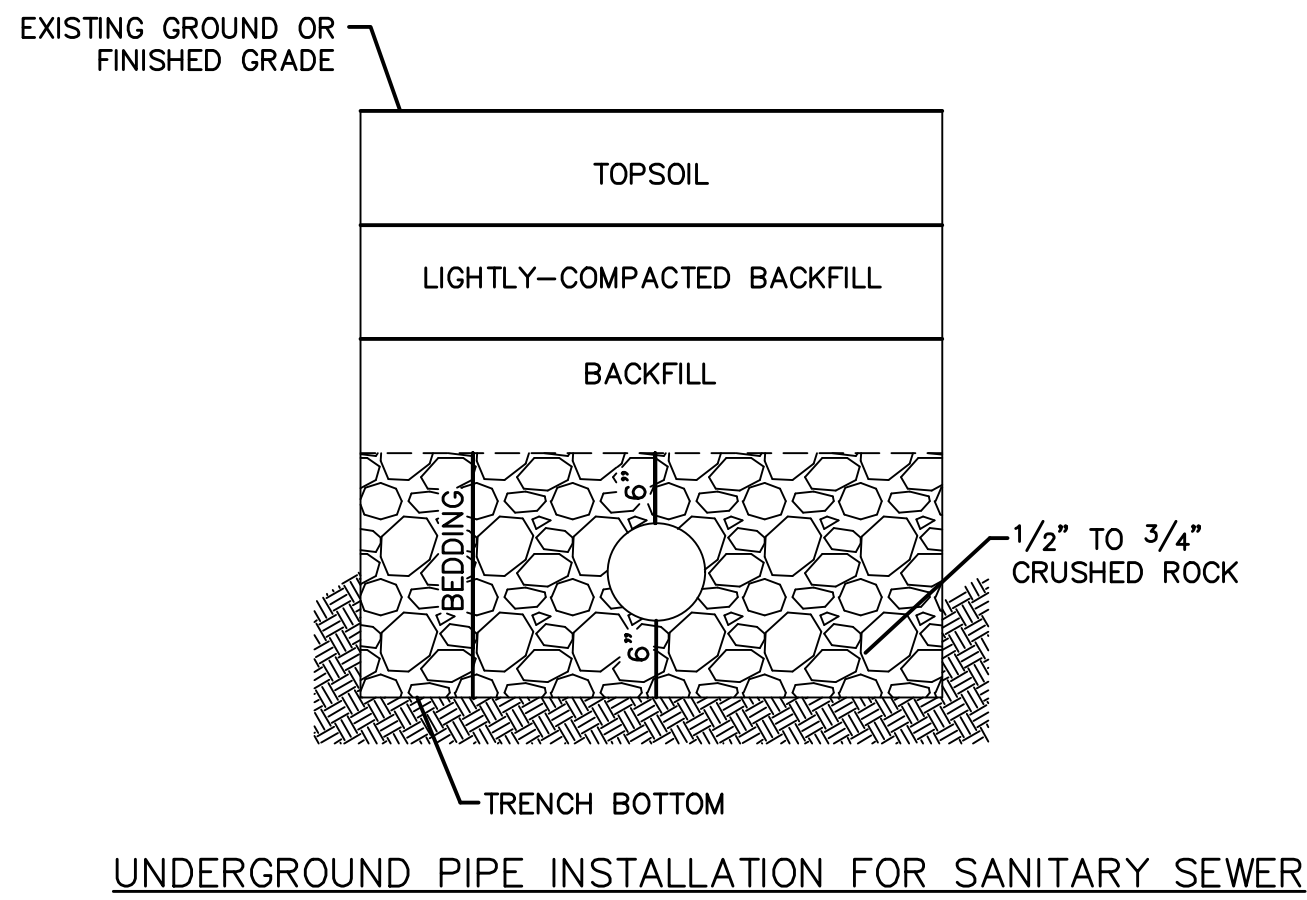
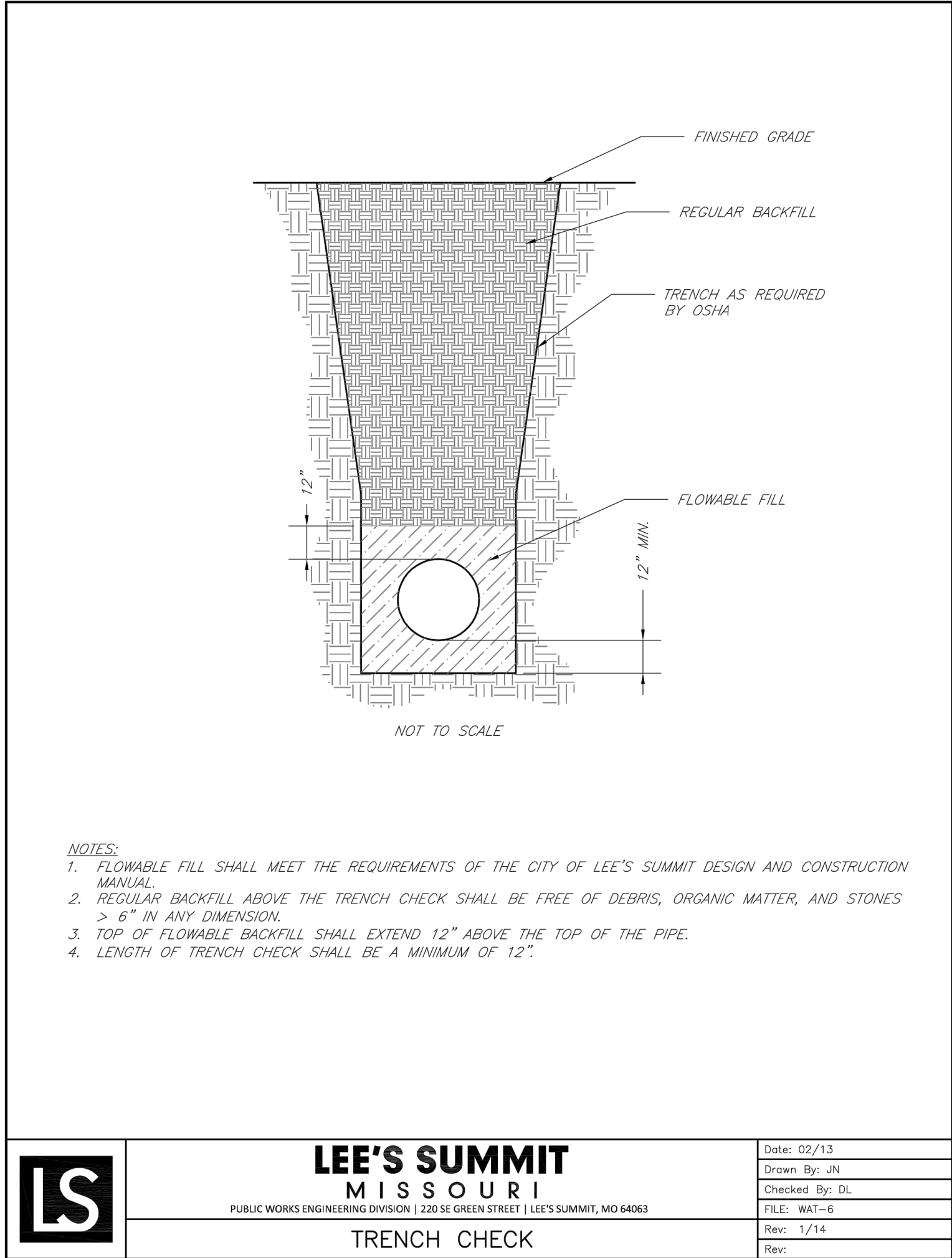
Sanitary Sewer Laterals						
Lot Number	Lateral Station	Lateral Length	Riser	Flowline at Main	Flowline at End of Lateral	Minimum Serviceable Floor Elevation
		(ft)	(ft)	(ft)	(ft)	(ft)
150	11+65.14	40.00	4.0	956.9	962.6	965.41
151	12+40.14	40.00	4.0	959.0	964.7	967.52
152	13+15.14	40.00	2.0	961.1	964.9	967.66
153	13+90.14	40.00	1.0	963.1	965.9	968.68
154	14+70.41	40.00	1.0	963.9	966.7	969.48
155	14+17.17	40.00	1.0	963.5	966.3	969.07
156	13+45.75	40.00	1.0	960.9	963.7	966.46
157	12+73.79	61.61	0.0	958.2	960.5	963.28
158	12+45.92	72.52	0.0	956.8	959.3	962.08
159	12+30.97	60.93	1.0	956.7	959.9	962.68
160	11+43.81	10.00	5.0	953.5	956.6	962.41
161	11+39.81	10.00	6.0	953.2	960.3	963.11
162	13+28.57	40.00	1.0	960.3	963.0	965.83
163	14+22.17	10.00	1.0	963.7	966.5	969.26
164	15+51.64	10.00	5.0	950.5	956.6	959.41
165	15+56.64	10.00	4.0	950.8	955.9	958.73
166	16+45.07	63.29	0.0	953.3	955.6	958.38
167	16+54.28	85.90	0.0	954.1	956.8	959.49
168	16+71.28	71.64	0.0	954.5	956.9	959.74
169	17+52.34	49.23	1.0	956.6	959.5	962.34
170	18+23.26	44.95	1.0	958.4	961.3	964.06
171	18+79.32	46.90	2.0	960.2	964.1	966.88
172	19+57.99	44.54	2.0	962.5	966.4	969.20
173	16+23.06	40.00	1.0	965.4	968.2	971.01
174	15+49.40	40.00	1.0	964.7	967.5	970.27
175	14+75.40	40.00	1.0	964.0	966.7	969.53
176	13+95.13	40.00	1.0	963.2	965.9	968.73
177	13+20.13	40.00	2.0	961.2	965.0	967.80
178	12+45.13	40.00	4.0	959.1	964.9	967.66
179	11+70.14	40.00	4.0	957.0	962.7	965.55
180	11+06.41	40.00	3.0	955.2	960.0	962.78
184	18+68.67	10.12	1.0	951.5	953.7	956.52
185	17+97.13	20.30	1.0	949.4	951.8	954.58
186	17+25.29	12.48	2.0	947.2	950.4	953.24
187	16+70.70	39.79	1.0	945.9	948.7	951.53
188	15+80.69	63.73	1.0	945.0	948.3	951.10
189	15+14.41	64.58	0.0	944.4	946.7	949.48
190	14+31.93	63.28	0.0	943.6	945.8	948.63
191	12+24.92	40.14	0.0	941.2	943.0	945.80
192	12+07.26	39.13	0.0	940.9	942.6	945.44
193	12+58.60	49.77	0.0	941.5	943.5	946.26
194	13+28.43	36.19	0.0	942.0	943.7	946.55
195	13+84.63	16.04	0.0	943.1	944.4	947.21
196	14+57.56	16.33	0.0	943.8	945.1	947.94
197	15+32.55	15.14	1.0	944.6	946.9	949.65
198	16+42.32	35.21	3.0	945.7	950.3	953.11

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	17.00%	8	7.72	0.00	11580.00	3860.000	0.228	0.252	0.014	4.63	13.25
MH 1-2	9.50%	8	7.72	0.00	11580.00	3860.000	0.228	0.252	0.014	3.46	9.91
MH 1-3	5.99%	8	3.97	0.00	5955.00	1985.000	0.124	0.136	0.014	2.75	7.87
MH 1-4	1.00%	8	2.80	0.00	4200.00	1400.000	0.089	0.098	0.014	1.12	3.21
MH 1-5	2.55%	8	2.31	0.00	3465.00	1155.000	0.075	0.082	0.014	1.79	5.13
MH 1-6	3.00%	8	0.76	0.00	1140.00	380.000	0.026	0.028	0.014	1.94	5.57
MH 1-2	9.50%	8	7.72	0.00	11580.00	3860.000	0.228	0.252	0.014	3.46	9.91
MH 2-1	6.99%	8	3.75	0.00	5625.00	1875.000	0.117	0.129	0.014	2.97	8.50
MH 2-2	1.00%	8	2.85	0.00	4275.00	1425.000	0.091	0.100	0.014	1.12	3.21
MH 2-3	3.66%	8	1.90	0.00	2850.00	950.000	0.000	0.000	0.000	0.00	0.00
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	2.81%	8	4.45	0.00	6675.00	2225.000	0.137	0.151	0.014	1.88	5.39
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	5.44	0.00	8160.00	2720.000	0.165	0.182	0.014	2.70	7.74
MH 4-1	0.80%	8	5.44	0.00	8160.00	2720.000	0.165	0.182	0.014	1.00	2.88
MH 4-2	0.80%	8	5.44	0.00	8160.00	2720.000	0.165	0.182	0.014	1.00	2.88
MH 4-3	0.80%	8	5.12	0.00	7680.00	2560.000	0.156	0.172	0.014	1.00	2.88
MH 4-4	1.00%	8	3.92	0.00	5880.00	1960.000	0.122	0.134	0.014	1.12	3.21
MH 4-5	3.00%	8	1.07	0.00	1605.00	535.000	0.036	0.039	0.014	1.94	5.57

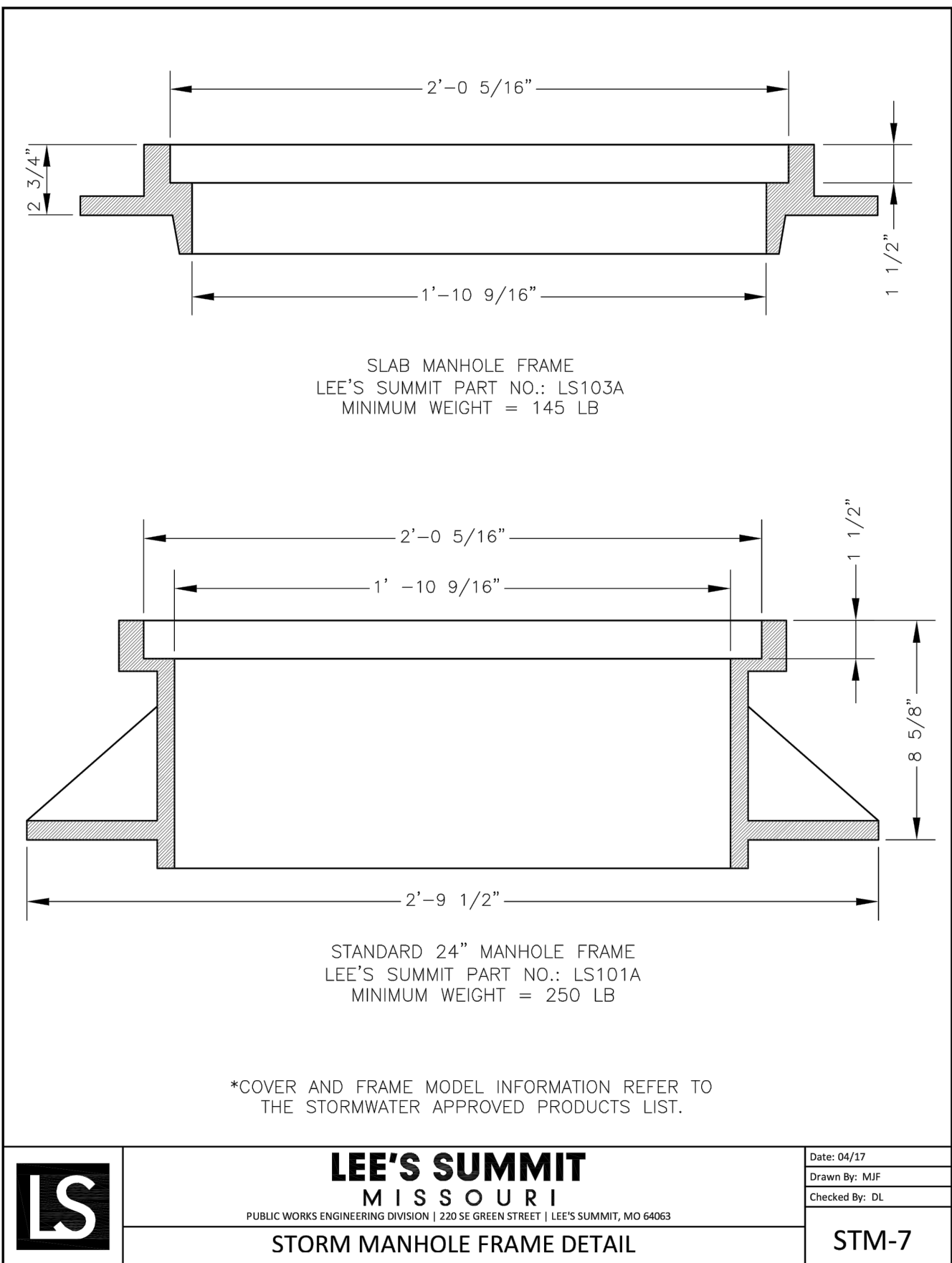
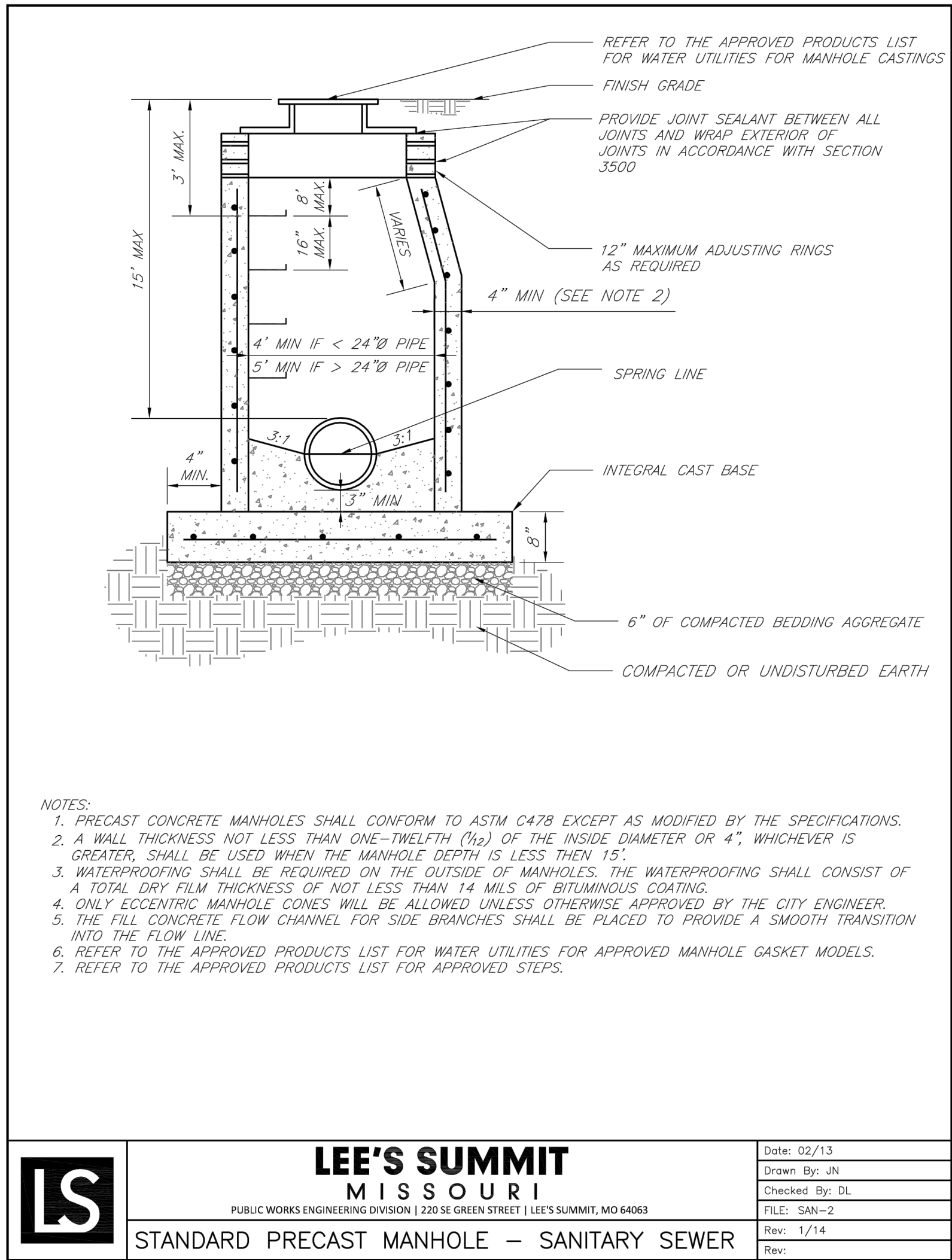
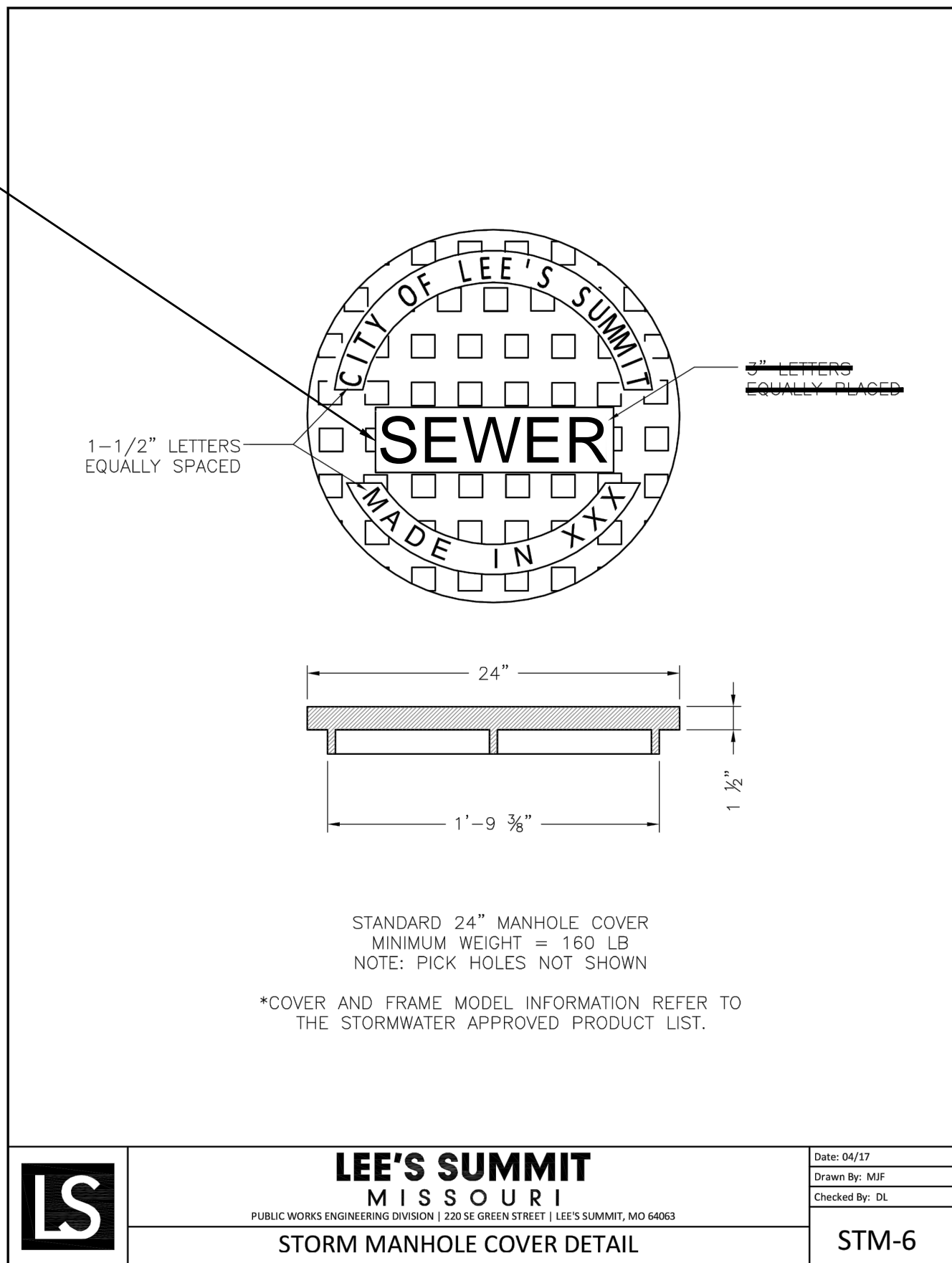
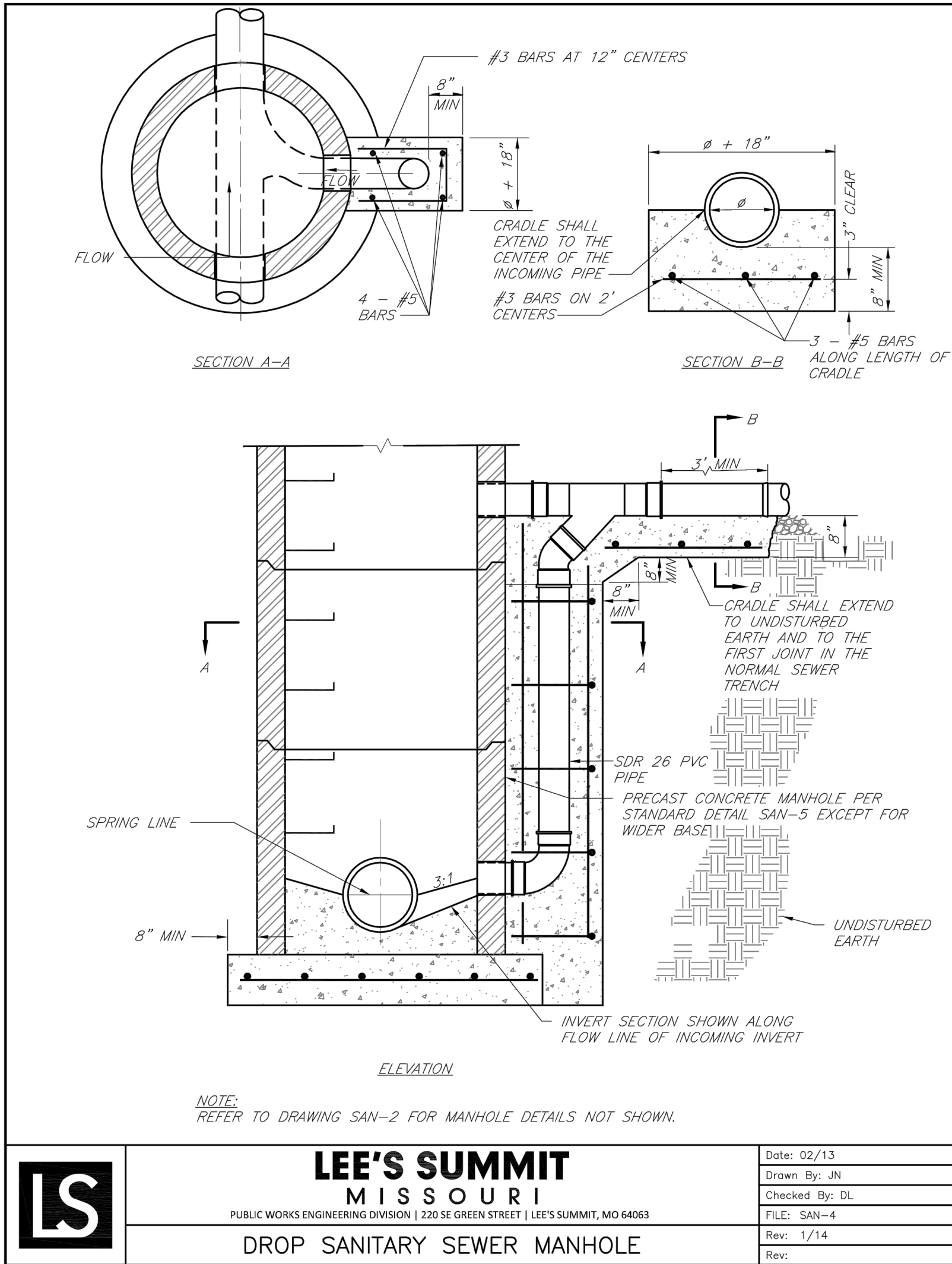
AS-BUILT NOTE:
LATERAL INFORMATION HAS NOT BEEN AS-BUILT, HOWEVER, THE CONTRACTOR STATED THAT LATERALS WERE BUILT PER PLAN AND DID NOT INFORM THE ENGINEER OF ANY LATERAL LOCATION CHANGES.

NOT ASBUILT





- 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.



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STATE OF MISSOURI
JULIE ELAINE SELLERS
Professional Engineer
NUMBER PE-2017000367
5/20/2022

BY

REVISIONS DESCRIPTION

NO. REV. DATE REVISED PER CITY COMMENTS

1 07/10/2020

2020

DETAILS SHEET
SANITARY SEWER PLANS

WOODSIDE RIDGE
SEWER/PIPELANT

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: 2020.07.10

SHEET
C212

