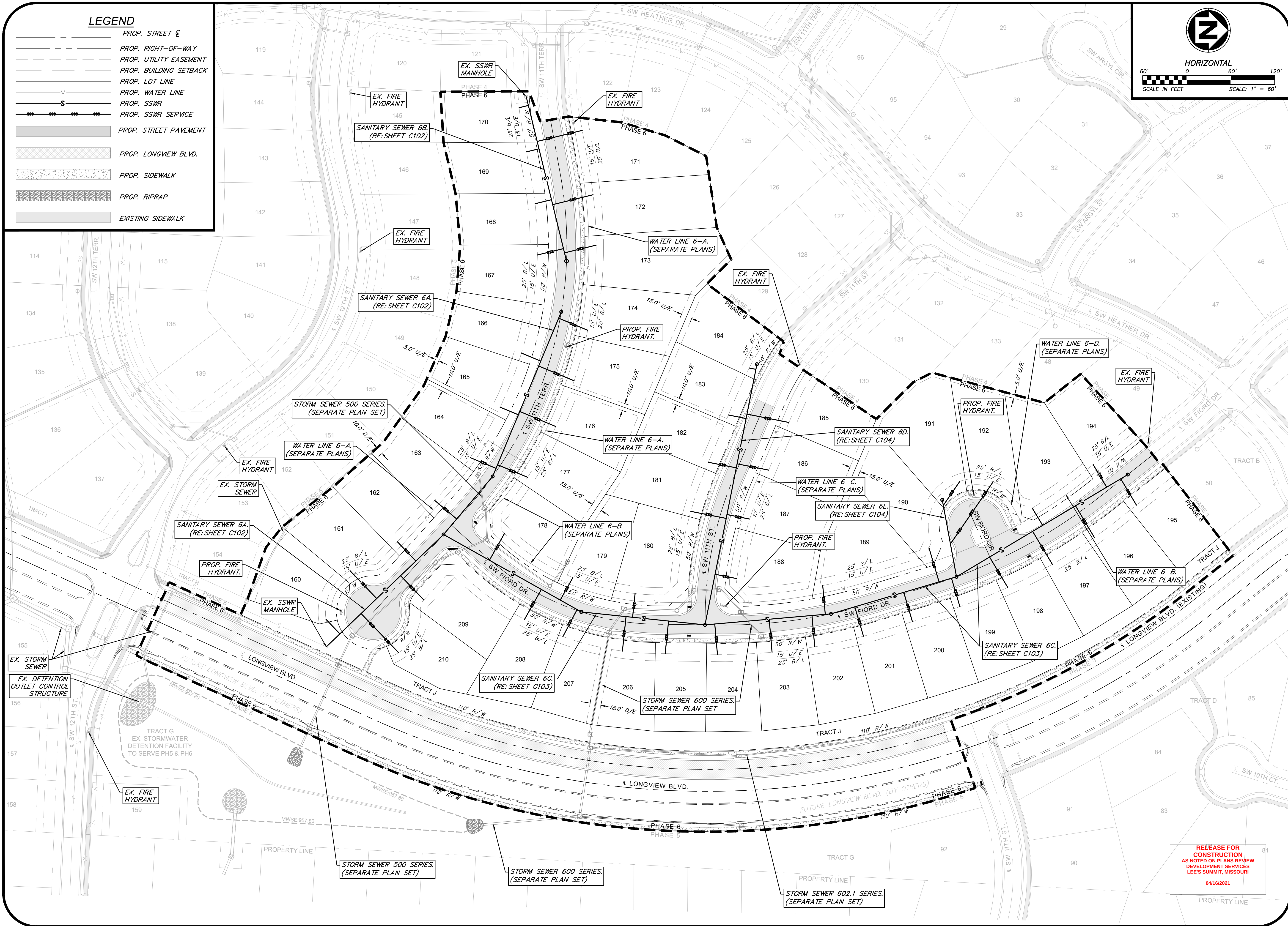


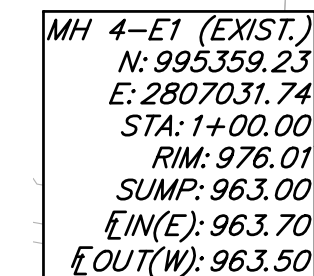


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				LICENSE NO.	PE-2012008232
				DATE:	1/7/2021
				ISSUED FOR:	FOR REVIEW
				JOB NUMBER:	20KCI10058
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GENERAL LAYOUT	S10, T47N, R32W LEE'S SUMMIT, JACKSON COUNTY, MISSOURI
	
SHEET NUMBER C101 <u>2</u> OF <u>6</u>	



1. ALL WORK IN PUBLIC EASEMENTS AND RIGHT-OF-WAY AND ALL EROSION CONTROL WORK MUST COMPLY WITH THE LATEST EDITION OF THE TECHNICAL PROVISIONS & STANDARD DRAWINGS FOR ROADS AND SEWERS, OF LEE'S SUMMIT, MISSOURI.

2. WATER MAINS AND SANITARY SEWER MAINS/STRUCTURES SHALL HAVE AT LEAST 10' OF HORIZONTAL SEPARATION FROM EDGE OF WATER PIPE TO EDGE OF SEWER PIPE OR SEWER STRUCTURE.
3. WATER MAINS AND SANITARY SEWERS SHALL HAVE AT LEAST 18" OF VERTICAL SEPARATION FROM EDGE OF PIPE TO EDGE OF PIPE. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FORM THE WATER MAIN JOINTS.
4. ALL SANITARY SEWER LATERALS SHALL HAVE A TRENCH CHECK, CONSISTING OF FLOWABLE BACKFILL INSTALLED DURING CONSTRUCTION. TRENCH CHECK SHALL EXTEND TO BOTTOM OF TRENCH, TO WIDTH OF TRENCH TO 12 INCHES ABOVE PIPE, FOR A MINIMUM LENGTH OF 12 INCHES. TRENCH CHECK SHALL BE LOCATED AT LEAST 5 FEET FROM SANITARY SEWER MAIN.
5. ALL SANITARY SEWER LATERALS SHALL BE 4" PVC AND MAINTAIN A MINIMUM 2.0% SLOPE. REFER TO SANITARY SEWER DETAILS SHEET FOR BUILDING CONNECTION AND RISER DETAILS.



**RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI**

04/16/2021

REVISIONS				DRAWING INFO.	
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				JOB NUMBER:	20KGC10058
				MO COA NO.	000062

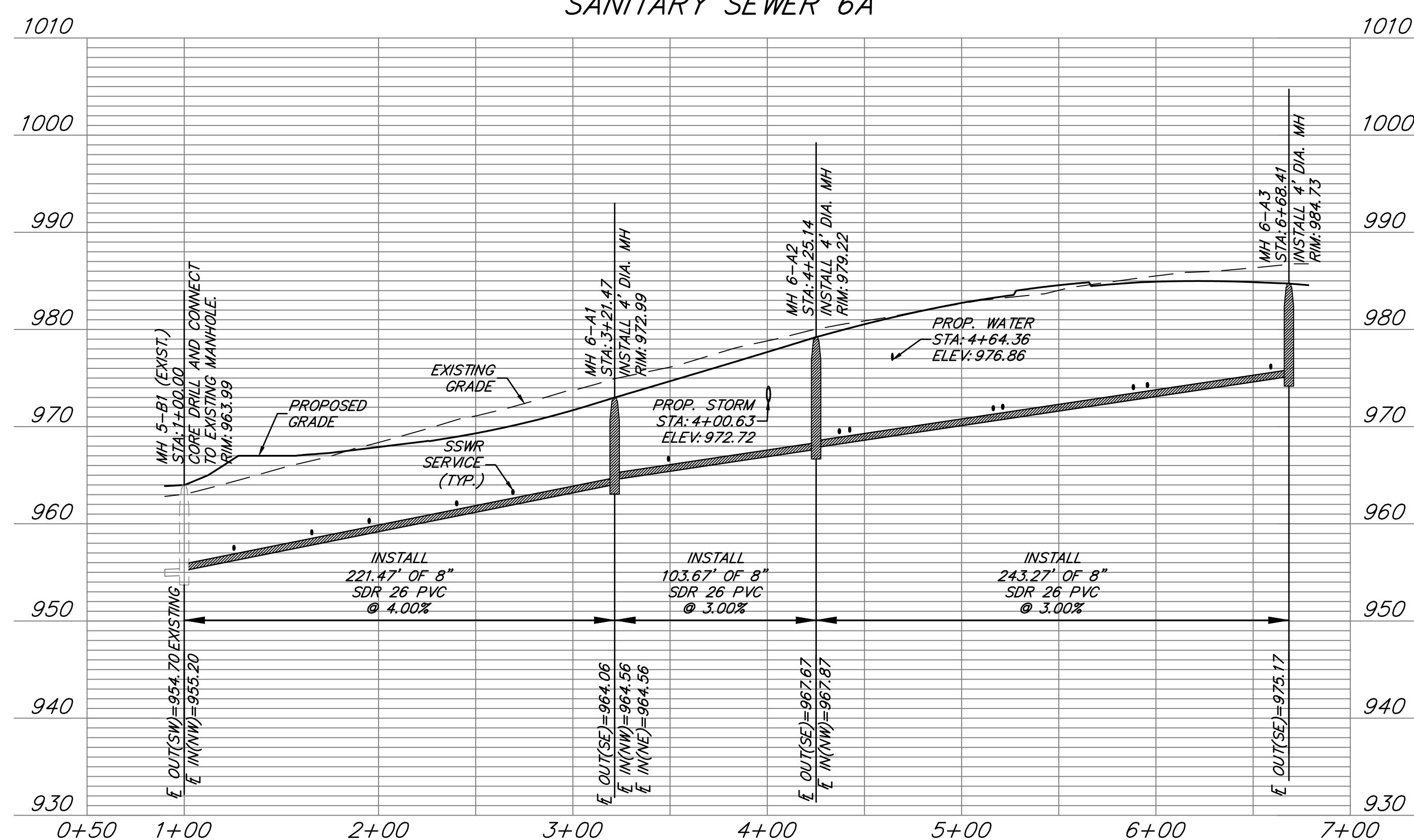
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SANITARY SEWER PROFILE

The diagram shows a cross-section of a sanitary sewer line. The vertical axis represents elevation in feet, ranging from 940 to 1010. The horizontal axis represents stationing, with labels 1+00, 2+00, 3+00, and 3+75.

Key Features and Data:

- Manhole 4-E1 (EXIST.):** Located at station 1+00.00. Core drill and connect to existing manhole. RIM: 976.01.
- Manhole 6-B1:** Located at station 3+30.93. RIM: 983.87.
- Proposed Pipe:** Install 230.93' of 8" SDR 26 PVC at a 4.50% slope.
- SSWR Service (TYP.):** Shown as a dashed line with dots.
- Grades:** Existing grade is shown as a dashed line. Proposed grade is shown as a solid line.
- Flowline:** Verify ex. flowline. Inlet (E) = 963.50 (EXIST.). Outlet (W) = 974.09.
- Contractor to Field:** Verify ex. flowline. Inlet (E) = 963.70.



SANITARY SEWER SERVICE				
PIPE NAME	STATION	LENGTH	SLOPE	MSFE
SSS-160	1+25.59	27'	2.00%	957.91+(3.5')
SSS-161	1+95.17	53'	2.00%	961.19+(3.5')
SSS-162	2+69.12	36'	2.00%	963.83+(3.5')
SSS-163	3+49.16	39'	2.00%	967.31+(3.5')
SSS-164	4+37.10	38'	2.00%	970.13+(3.5')
SSS-165	5+16.29	27'	2.00%	972.28+(3.5')
SSS-166	5+95.63	29'	2.00%	974.69+(3.5')
SSS-167	3+13.32	37'	2.00%	975.17+(3.5')
SSS-174	6+59.09	43'	2.00%	976.88+(3.5')
SSS-175	5+88.37	52'	2.00%	974.95+(3.5')
SSS-176	5+21.17	53'	2.00%	972.95+(3.5')
SSS-177	4+42.43	45'	2.00%	970.42+(3.5')
SSS-168	2+44.63	23'	2.00%	971.80+(3.5')
SSS-169	1+73.10	18'	2.00%	968.48+(3.5')
SSS-170	1+12.21	13'	2.00%	965.65+(3.5')
SSS-171	1+62.75	63'	2.00%	968.92+(3.5')
SSS-172	2+51.55	57'	2.00%	972.79+(3.5')
SSS-173	3+19.31	44'	2.00%	975.59+(3.5')
SSS-209	2+40.19	46'	2.00%	962.86+(3.5')
SSS-210	1+65.62	74'	2.00%	960.44+(3.5')

SUMMIT HOMES KC
HIGHLAND MEADOWS - 6TH PLAT

SANITARY SEWER 6A AND 6B
PLAN & PROFILE

S10, T47N, R32W

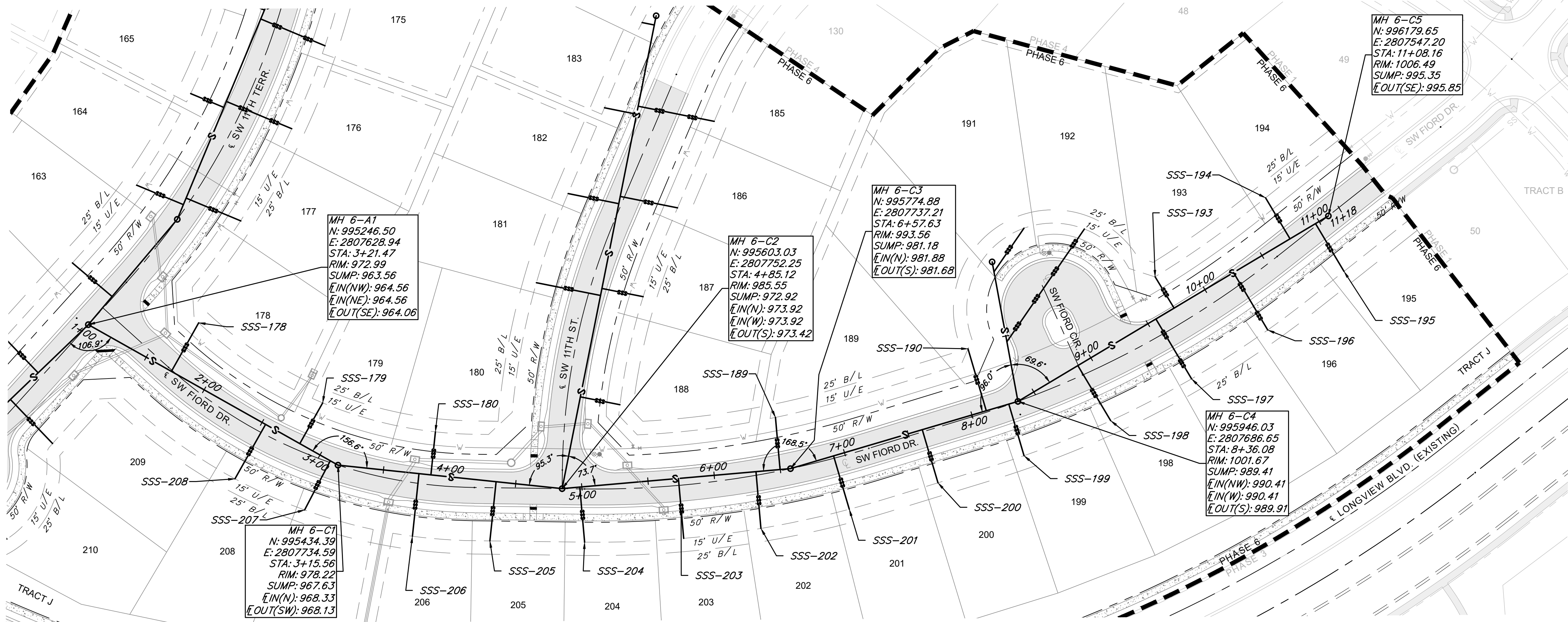
S10, 147°N, R32W
EE'S SUMMIT, JACKSON COUNTY, MISSOURI



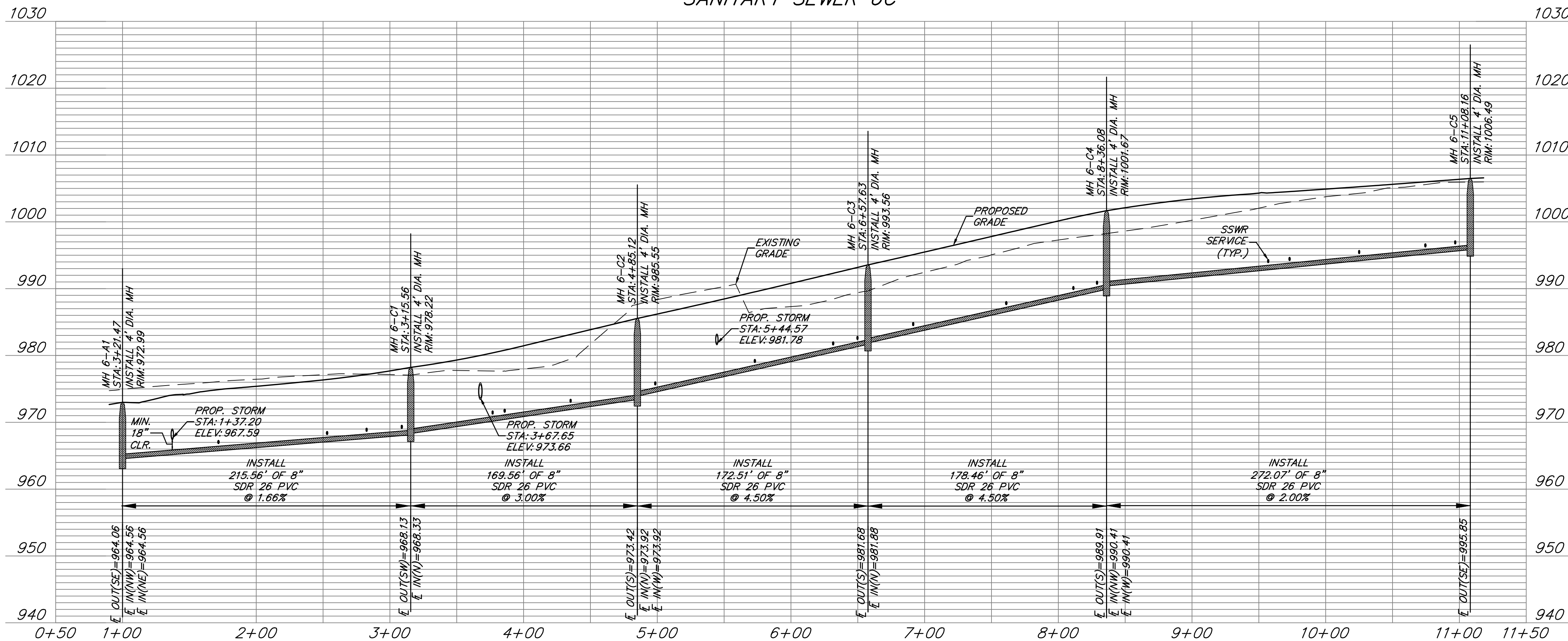
SHEET NUMBER

C102
3 OF 6

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SANITARY SEWER 6C

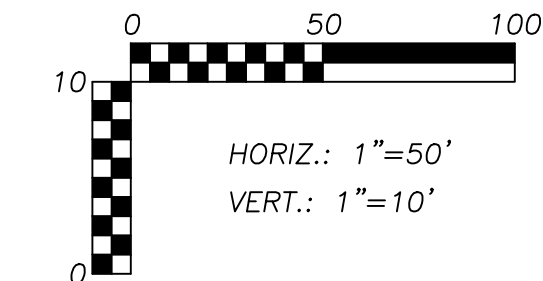


MANHOLE STRUCTURE NOTE:

1. PROPOSED MANHOLES SHALL CONFORM TO THE CITY OF LEE'S SUMMIT STANDARD DETAIL.

GENERAL NOTES:

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SANITARY SEWER SERVICE				
PIPE NAME	STATION	LENGTH	SLOPE	MSFE
SSS-202	6+31.56	43'	2.00%	982.50+(3.5')
SSS-203	5+72.98	45'	2.00%	979.91+(3.5')
SSS-204	4+98.48	42'	2.00%	976.49+(3.5')
SSS-205	4+35.16	45'	2.00%	973.95+(3.5')
SSS-206	3+76.82	47'	2.00%	972.25+(3.5')
SSS-178	1+71.73	42'	2.00%	967.72+(3.5')
SSS-179	2+82.56	35'	2.00%	969.42+(3.5')
SSS-189	6+49.75	39'	2.00%	983.25+(3.5')
SSS-190	8+11.25	49'	2.00%	990.90+(3.5')
SSS-193	9+72.97	28'	2.00%	994.83+(3.5')
SSS-194	10+74.56	36'	2.00%	997.03+(3.5')
SSS-195	10+96.89	42'	2.00%	997.60+(3.5')
SSS-180	3+85.84	33'	2.00%	972.22+(3.5')
SSS-196	10+25.02	50'	2.00%	996.33+(3.5')
SSS-197	9+56.99	52'	2.00%	995.01+(3.5')
SSS-198	8+91.89	44'	2.00%	993.90+(3.5')
SSS-199	8+28.94	40'	2.00%	991.53+(3.5')
SSS-200	7+61.05	42'	2.00%	988.50+(3.5')
SSS-201	6+91.43	42'	2.00%	985.37+(3.5')
SSS-207	3+08.89	42'	2.00%	969.99+(3.5')
SSS-208	2+53.01	47'	2.00%	969.17+(3.5')

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
04/16/2021

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LICENSE NO.	FE-2012009232				
DATE:	1/7/2021				
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JOB NUMBER:	20K10058				
MO COA NO.	00062				

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SUMMIT HOMES KC
HIGHLAND MEADOWS - 6TH PLAT

SANITARY SEWER 6C PLAN
& PROFILE

STATE OF MISSOURI
ZACH A. MYERS
NUMBER
FE-2012009232
2/13/21

SHEET NUMBER
C103
4 OF 6

S10, T47N, R22W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

Profile view of Sanitary Sewer SD. The vertical axis shows elevation from 940 to 1020 feet. The horizontal axis shows stationing from 0+50 to 5+00. The profile includes existing ground (dashed line), proposed sewer grade (solid line), and proposed water (dashed line) and storm (solid line) lines. A 362.53' length of 8" SDR 26 PVC pipe is shown at a 3.00% slope. Manhole details include MH 6-C2 at STA 4+85.12 and MH 6-D1 at STA 4+52.53. Invert elevations are provided for both manholes.

Station	Feature	Elevation (ft)
4+85.12	MH 6-C2 Invert	973.42
4+85.12	MH 6-C2 Rim	985.55
1+20.51	Prop. Water Invert	981.61
1+39.14	Prop. Storm Invert	978.63
4+52.53	MH 6-D1 Invert	984.80
4+52.53	MH 6-D1 Rim	994.21

Profile view of sewer line from station 0+50 to 2+50. The diagram shows two manholes: MH 6-CA at station 1+00 and MH 6-ET at station 2+00. The sewer line is installed at a depth of 106.67' with an 8-degree slope. The existing ground is shown as a solid line, and the proposed sewer grade is shown as a dashed line. The sewer line is labeled "PROP. WATER STA: 1+30.44 ELEV: 997.88". The sewer line is labeled "SSWR SERVICE (TYP.)". The sewer line is labeled "INSTALL 106.67' OF 8" SDR 26 PVC @ 3.00%". The manhole at station 1+00 is labeled "MH 6-CA STA: 8+36.08 INSTALL 4' DIA. MH RIM: 1001.67". The manhole at station 2+00 is labeled "MH 6-ET STA: 2+06.67 INSTALL 4' DIA. MH RIM: 1005.43". The vertical axis shows elevations from 960 to 1030. The horizontal axis shows stations from 0+50 to 2+50.



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SUMMIT HOMES KC
HIGHLAND MEADOWS - 6TH PLAT

SANTITARY SEWER 6D AND 6E PLAN & PROFILE

S10, T47N, R32W

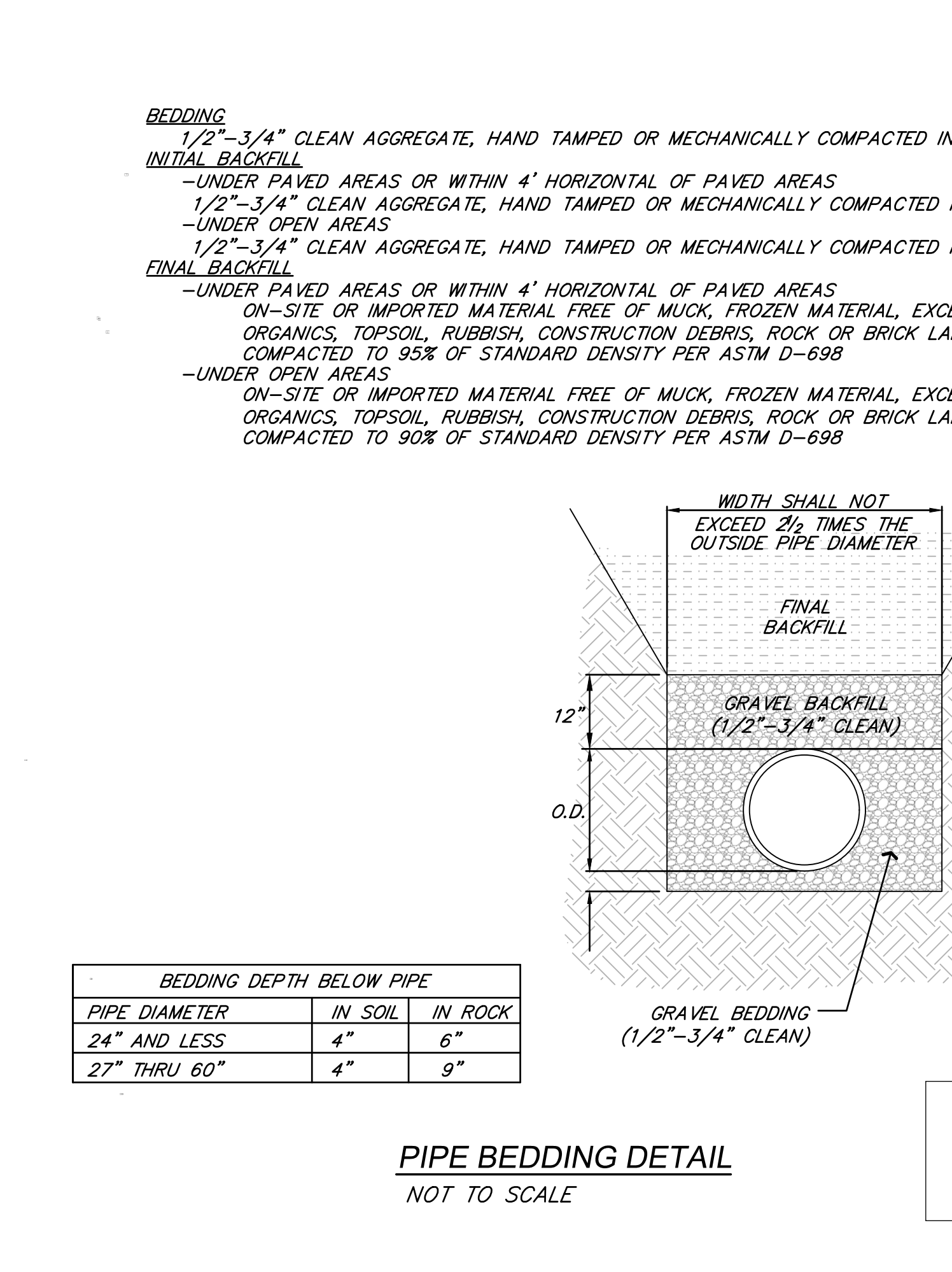
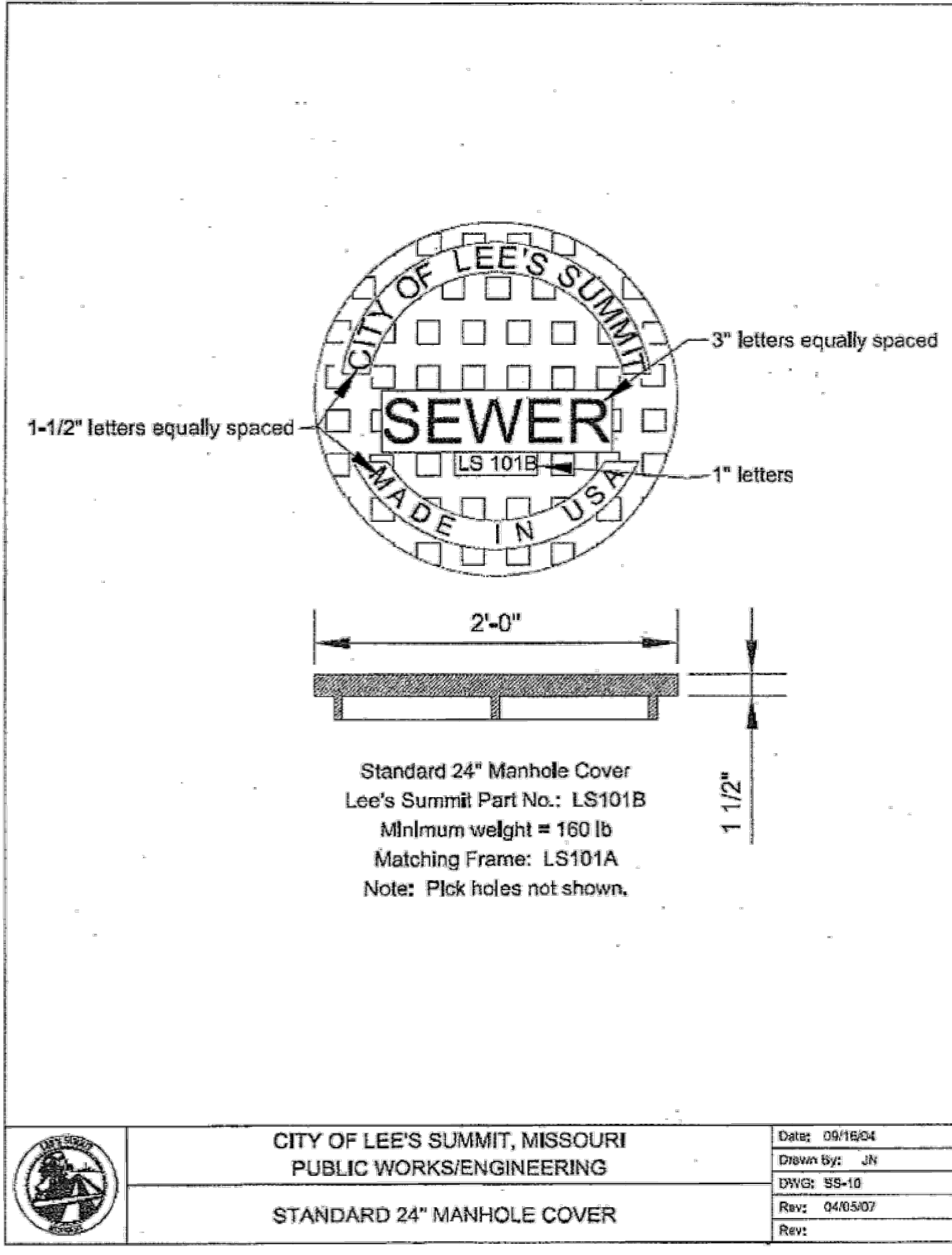
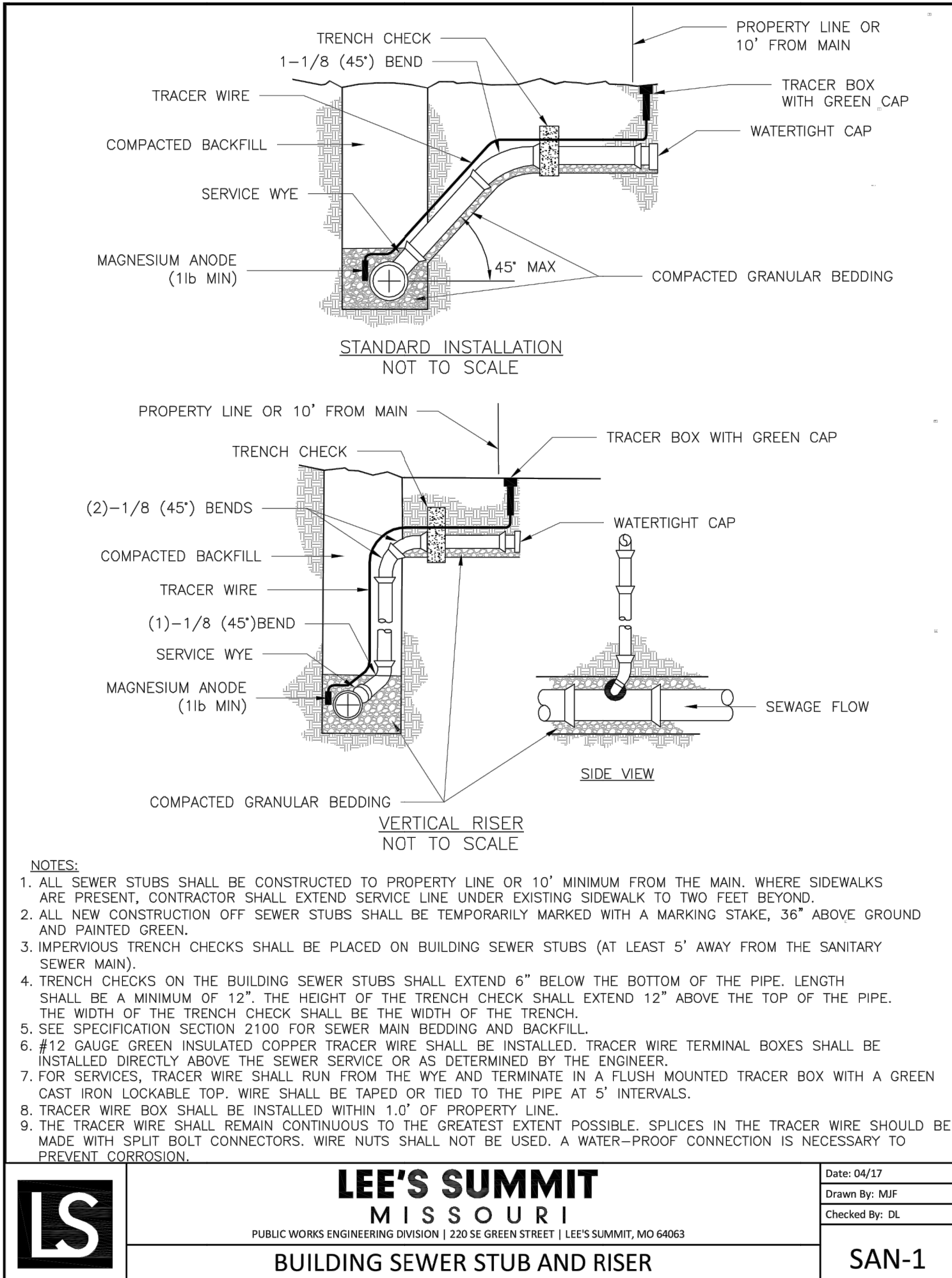
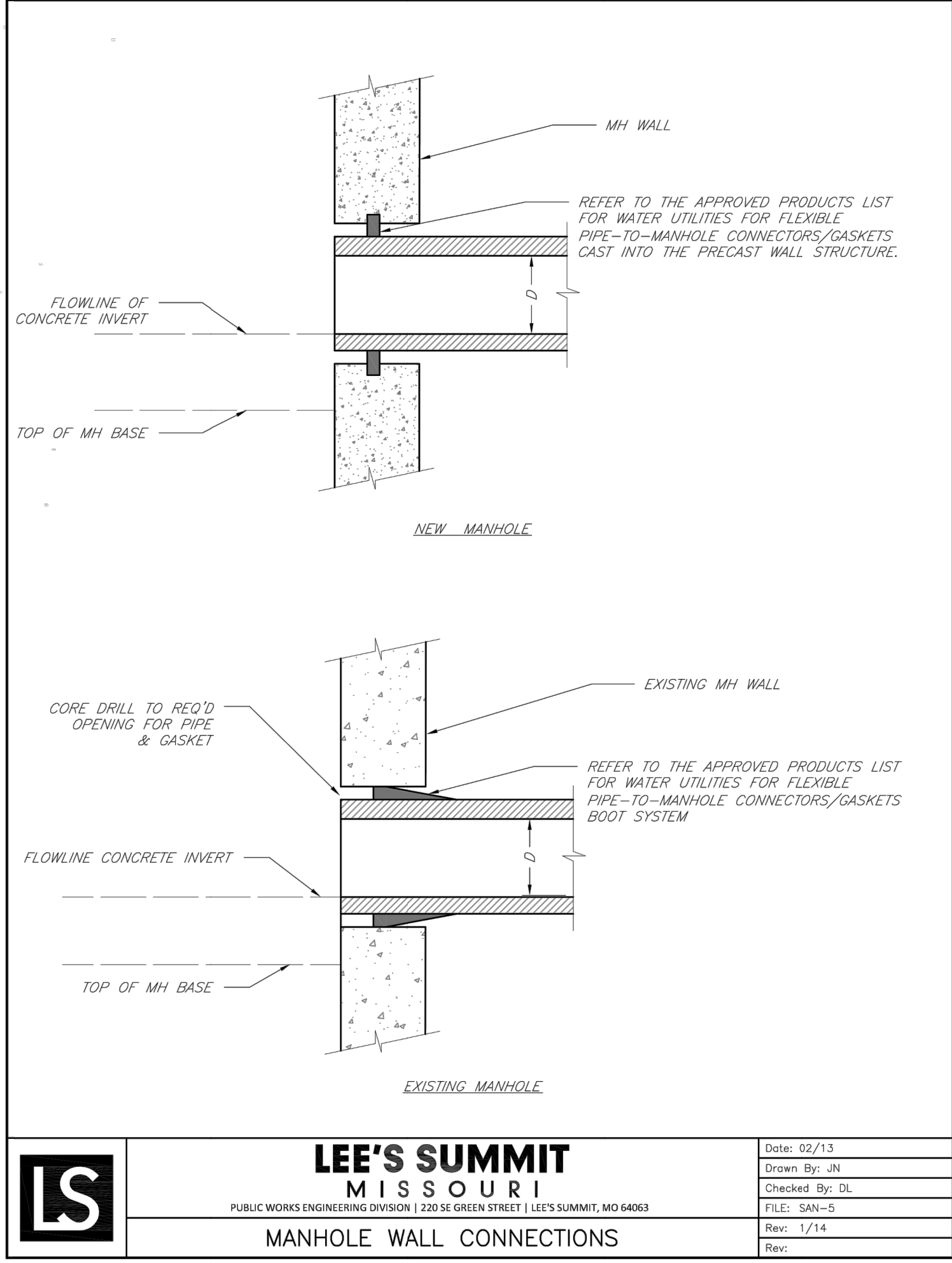
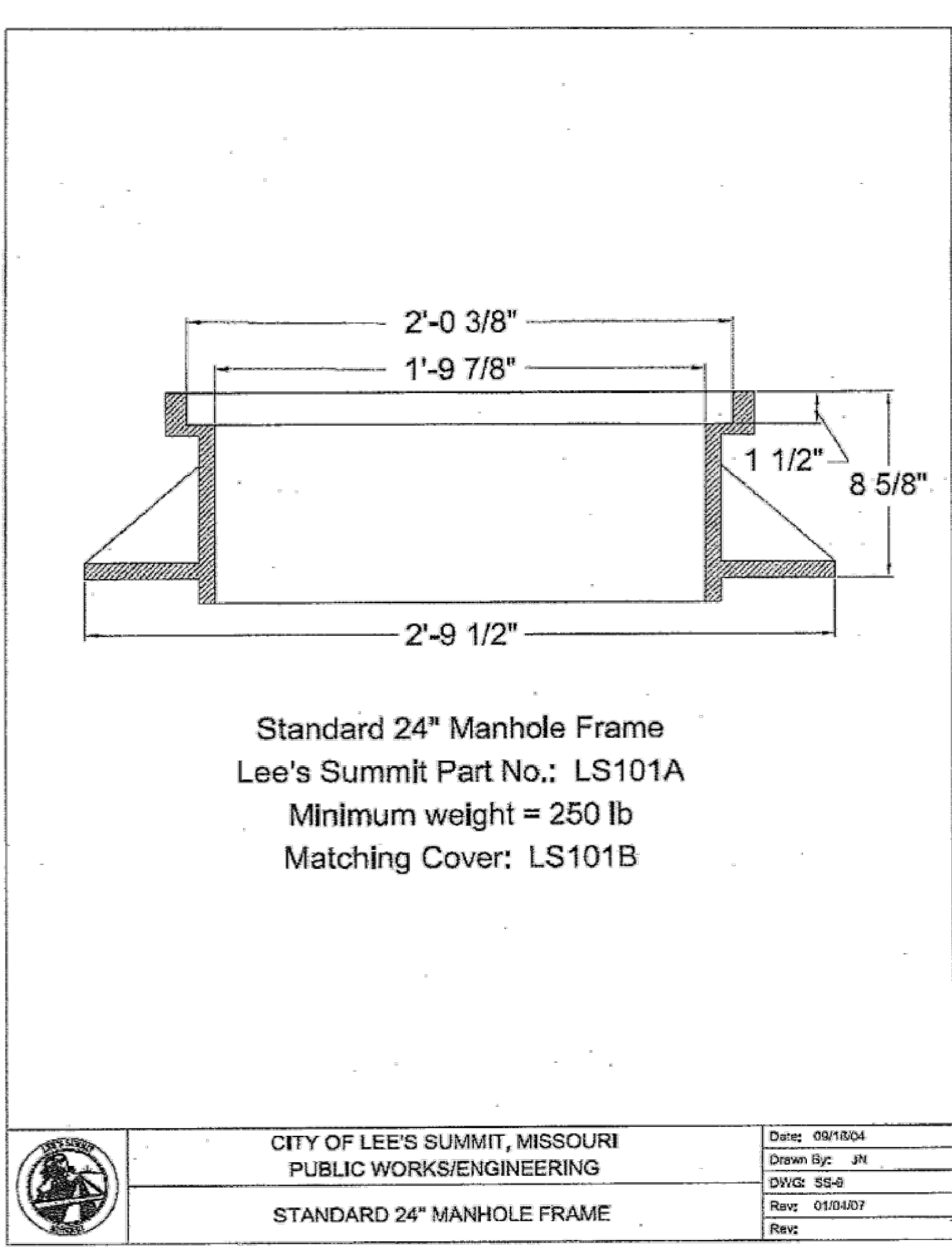
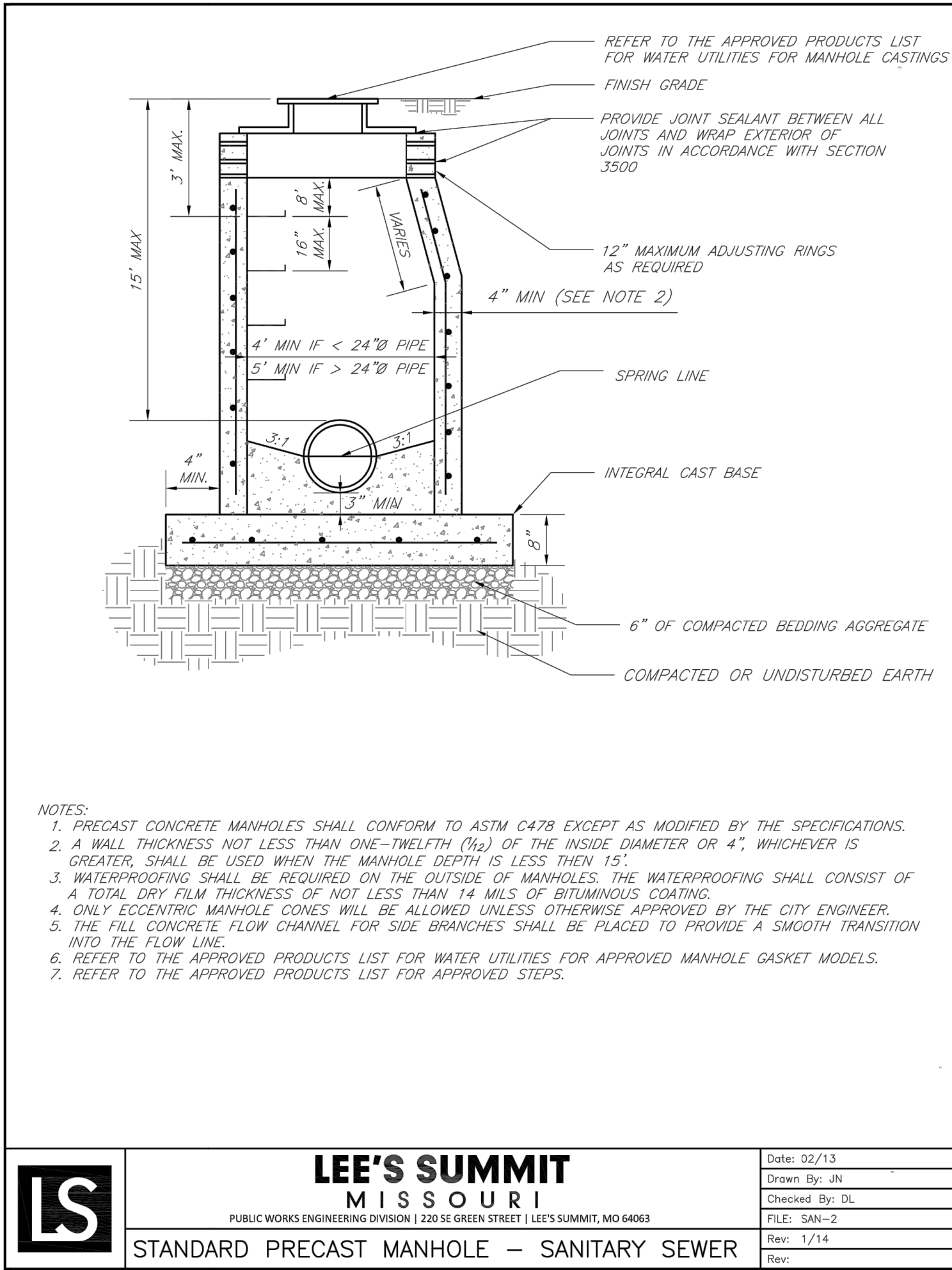
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SHEET NUMBER

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5 OF 6

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SUMMIT HOMES KC
HIGHLAND MEADOWS - 6TH PLAT

SANITARY SEWER DETAILS

S10, T47N, R32W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

STATE OF MISSOURI
ZACH A. MYERS
NUMBER
PE-2012009232
2/15/21
PROFESSIONAL ENGINEER

SHEET NUMBER
C401
6 OF 6