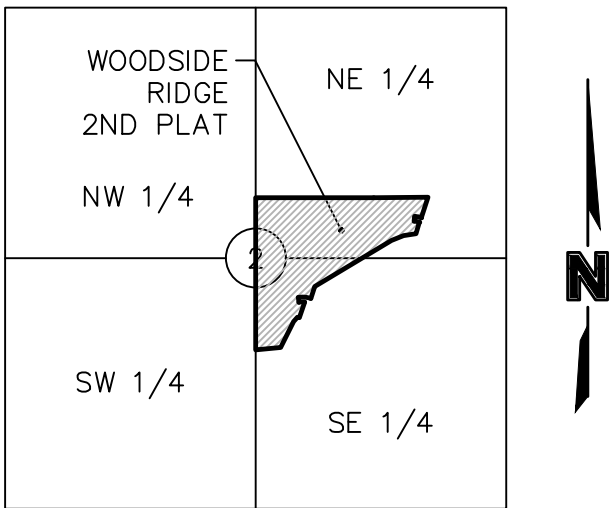


DWG: F:\2018\1001-1500\018-1140-C\40-Design\AutoCAD\Final Plans - Asbuilt\Sheets\GNV\Sanitary Sewer Plans\C_TL01_C181140.dwg
DATE: May 20, 2022 8:21am
USER: ssaylor



LOCATION MAP
Sec. 2, Twp. 47 N., Rge. 32 W.
(N.T.S.)

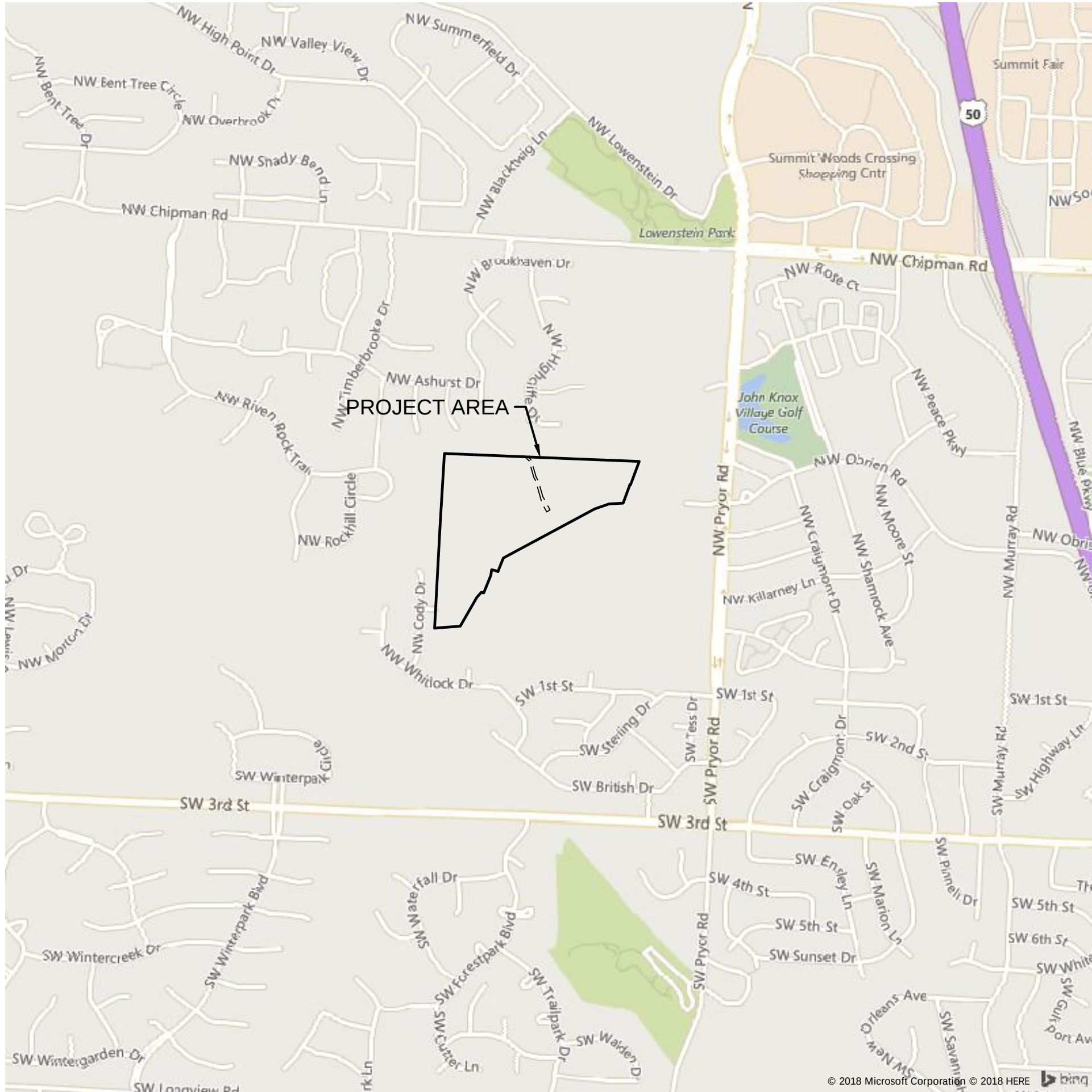
PROJECT TEAM & UTILITY CONTACT LIST	
OWNER / DEVELOPER CLAYTON PROPERTIES GROUP, LLC, DBA SUMMIT HOMES 120 SE 30TH STREET LEE'S SUMMIT, MO 64082 CONTACT: VINCENT WALKER PHONE: 816.246.6700 FAX: 816.246.2662	UTILITY SERVICE NUMBERS NAME: DEVELOPMENT SERVICES PHONE: 816-969-1200 NAME: LEE'S SUMMIT WATER & SERVICES DEPARTMENT PHONE: 816-969-1940 NAME: SPIRE (MGE) PHONE: 314-342-0500 NAME: AT&T PHONE: 800-286-8313 NAME: EVERGY PHONE: 816-471-5275 NAME: SPECTRUM (TWC) PHONE: 877-772-2253 NAME: GOOGLE FIBER PHONE: 877-454-6959
ENGINEER OLSSON 1301 BURLINGTON, SUITE 100 NORTH KANSAS CITY, MO 64116 CONTACT: JULIE E SELLERS, P.E. PHONE: 816.361.1177	
SURVEYOR OLSSON 1301 BURLINGTON, SUITE 100 NORTH KANSAS CITY, MO 64116 CONTACT: JASON ROUDEBUSH, PLS PHONE: 816.361.1177	
GEOTECHNICAL ENGINEER OLSSON 1700 E. 123RD ST. OLATHE, KS 66061 CONTACT: JAMES LANDRUM PHONE: 816.829.0078	

☒	NOT FOR CONSTRUCTION
☐	REVIEWED FOR CONSTRUCTION



WOODSIDE RIDGE SECOND PLAT SANITARY SEWER PLANS

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



PROPERTY DESCRIPTION:

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 Roubush, 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 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 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 425.00 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.

BENCHMARK

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

Accepted
Record Drawings

These plans have been reviewed for
accuracy and are accepted for basic
conformance to the approved
construction drawings.

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

ASBUILT
03-24-2022

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

Julie E Sellers
JULIE E SELLERS, P.E.
CIVIL ENGINEER
MO# 2017000367

5/20/2022
DATE

olsson

NO. 001892
303 BURLINGTON, SUITE 100
NORTH KANSAS CITY, MO 64116
TEL. 816.361.1177
WWW.OLSSON.COM

STATE OF MISSOURI
JULIE ELAINE SELLERS
NUMBER PE-2017000367
PROFESSIONAL ENGINEER

BY: [Signature]
NO. REV. 1
DATE 07/10/2020
REVISIONS DESCRIPTION
REVISED PER CITY COMMENTS

COVER SHEET
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: 2020.07.10

SHEET
C201

GENERAL NOTES:

1. LINEAR FOOT MEASUREMENTS SHOWN ON THE PLANS ARE HORIZONTAL MEASUREMENTS (NOT SLOPE MEASUREMENTS) FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

2. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CURRENT "CITY STANDARDS" AND SPECIFICATIONS OF THE CPD-DS-LDD, LEE'S SUMMIT, EXCEPT AS NOTED.

3. THE DEVELOPER SHALL PERFORM ALIGNMENT AND GRADE, INFILTRATION - EXFILTRATION, DEFLECTION, SOIL DENSITY, AND MANHOLE TESTS AS CALLED OUT IN SECTION 2500 OF THE CURRENT APWA (AMERICAN PUBLIC WORKS ASSOCIATION) STANDARDS AND SPECIFICATIONS. ANY SECTION OF SEWER FAILING ANY OF THE ABOVE MENTIONED TESTS SHALL BE RETESTED BY THE DEVELOPER AFTER REPLACEMENT OR REPAIR.

4. THE DEVELOPER MAY, AS AN ALTERNATE, SUBSTITUTE A.B.S. OR V.C.P. PIPE FOR P.V.C. PIPE. THE FOLLOWING PIPE DEFLECTION TEST SHALL BE IMPLEMENTED ON A.B.S. AND P.V.C. PIPE:

THE DEVELOPER SHALL PERFORM DIMETRICAL DEFLECTION TESTS ON FLEXIBLE AND SEMI-FLEXIBLE (I.E. POLY-VINYL-CHLORIDE AND ACRYLONITRILE BUTADIENE STYRENE) PIPE WHEN USED AS A PUBLIC DIAMETER. ALL TESTS SHALL BE CONDUCTED BETWEEN MANHOLES. SEWER TESTS SHALL BE CONDUCTED BETWEEN MANHOLES. SEWER TESTED SHALL BE 100% OF THE TOTAL SEWER INSTALLED. A MANHOLE WITH A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE BEING INSTALLED SHALL BE USED.

5. THE DEVELOPER SHALL PERFORM DIMETRICAL DEFLECTION TESTS ON FLEXIBLE AND SEMI-FLEXIBLE (I.E. POLY-VINYL-CHLORIDE AND ACRYLONITRILE BUTADIENE STYRENE) PIPE WHEN USED AS A PUBLIC SEWER PRIOR TO FINAL ACCEPTANCE. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE 5% OF THE INSIDE DIAMETER. ALL TESTS SHALL BE CONDUCTED BETWEEN MANHOLES. SEWER TESTED SHALL BE 100% OF THE TOTAL SEWER INSTALLED. A MANDREL WITH A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE BEING INSTALLED SHALL BE USED.

6. PRIOR TO ORDERING PRE-CAST STRUCTURES, SHOP DRAWINGS ARE TO BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL. THE DESIGN ENGINEER SHALL INDICATE APPROVAL OF THE SHOP DRAWINGS.

7. DEVELOPER SHALL PROVIDE EARTHWORK AND MATERIAL TESTING TO COMPLY WITH THE STANDARD SPECIFICATIONS OF THE CPD-DS-LDD.

8. DURING CONSTRUCTION OF THE PROJECT, THE DEVELOPER SHALL KEEP ONE RECORD COPY OF ALL SPECIFICATIONS, DRAWINGS, ADDENDA, MODIFICATIONS, AND SHOP DRAWINGS AT THE SITE IN GOOD CONDITION. THESE DOCUMENTS SHALL BE ANNOTATED TO SHOW ALL CHANGES MADE DURING CONSTRUCTION. THE EXACT LOCATION OF ALL SEWER WYES, TEES, AND SERVICE LINES SHALL BE RECORDED ON THESE DOCUMENTS. AT THE CONCLUSION OF CONSTRUCTION, THESE DOCUMENTS SHALL BE FORWARDED TO THE DESIGN ENGINEER FOR PREPARATION OF AS-BUILT DRAWINGS.

9. THE PROJECT BENCHMARKS AND ALL ELEVATIONS SHOWN ON THE PROFILES ARE N.G.V.D.

10. THE DEVELOPER IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE USED FOR EXCAVATION OR SITE DEVELOPMENT. THE DEVELOPER MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT IS THE DEVELOPER'S RESPONSIBILITY TO RELOCATE AND/OR ADJUST ALL EXISTING UTILITIES, CONFLICT WITH PROPOSED SITE IMPROVEMENTS.

11. THE DEVELOPER SHALL ALSO UTILIZE THE FOLLOWING TOLL FREE PHONE NUMBER PROVIDED BY "MISSOURI ONE CALL SYSTEM, INC." 1-800-DIG-RITE THIS PHONE NUMBER IS APPLICABLE ANYWHERE WITHIN THE STATE OF MISSOURI. THE NAMES AND TELEPHONE NUMBERS OF UTILITY COMPANIES, EVEN IF ONLY REMOTELY INVOLVED WITH THIS HIS PROJECT ARE LISTED UNDER "UTILITY CONTACTS" THIS SHEET.

12. THE DEVELOPER SHALL PROVIDE AND MAINTAIN ALL TRAFFIC CONTROL MEASURES NECESSARY TO ENSURE THAT THE GENERAL PUBLIC IS PROTECTED AT ALL TIMES. TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD—LATEST EDITION).

13. THE SITE PLAN IS BASED ON SURVEY BY OLSSON, COMPLETED 02-24-2020. CONDITIONS ON SITE AT THE TIME OF CONSTRUCTION MAY VARY FROM THE SURVEYED CONDITIONS. DEVELOPER SHALL VERIFY EXISTING SITE CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.

14. THE DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL PERMITS (EXCEPT LAND DISTURBANCE), BONDS, INSURANCE, ETC. AND PAYING ALL FEES. THE COST OF DEVELOPERS BONDS AND INSURANCE AS REQUIRED BY THE CITY OF LEE'S SUMMIT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER.

15. DEVELOPER SHALL COMPLY WITH ALL APPLICABLE REGULATIONS REQUIRED BY THE CITY AND THE STATE.

16. THE DEVELOPER MUST REMOVE AT HIS COST ANY BAD SUBSURFACE SOIL WHICH WOULD NOT BE ABLE TO SUPPORT ANY PROPOSED PUBLIC IMPROVEMENT. BACKFILL SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SECTIONS 2100 AND 2201 ENTITLED "GRADING AND SITE PREPARATION" AND "SUBGRADE PREPARATION".

17. VERTICAL CONTROL IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88). THE DEVELOPER IS ADVISED TO USE BENCHMARK INFORMATION FOR VERTICAL CONTROL. HORIZONTAL CONTROL (CONTROL POINT INFORMATION) IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83). THE DEVELOPER IS ADVISED TO USE CONTROL POINT INFORMATION FOR HORIZONTAL CONTROL.

PLUMBING NOTES:

1. ALL LOTS HAVE BEEN SUPPLIED WITH WYES OR LATERALS. PLUMBER SHALL CONNECT HOUSE SERVICE TO MAIN AT LOCATIONS INDICATED.

2. ALL SERVICE LINES SHALL BE LAID AT 2% MINIMUM SLOPE, UNLESS OTHERWISE NOTED.

3. M.S.F.E. ELEVATION – INDICATES BASEMENT FLOOR ELEVATION OR LOWEST FLOOR ELEVATION SERVICEABLE BY PROPOSED SANITARY SEWER.

EXCAVATING NOTES:

1. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CONTROL DOWNSTREAM EROSION AND SILTATION DURING ALL PHASES OF CONSTRUCTION.

2. THE DEVELOPER SHALL BE RESPONSIBLE FOR RECORDING ROCK ELEVATIONS AT 25 FOOT (MAXIMUM) INTERVALS WHERE ENCOUNTERED, AND FURNISHING THIS INFORMATION TO THE DESIGN ENGINEER FOR USE ON AS-BUILTS.

3. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES. EROSION CONTROL PLANS AND PROCEDURES SHALL BE IN PLACE PRIOR TO ANY EXCAVATION.

4. NO SUBSURFACE EXPLORATION FOR THE DETERMINATION OF AND/OR THE LOCATION OF EXISTING ROCK HAS BEEN MADE.

5. WHEN SEWER LINES CROSS A LOW POINT IN A CREEK, THE SEWER LINE MUST BE ENCASED ACCORDING TO LEE'S SUMMIT.

6. DEVELOPER IS RESPONSIBLE FOR KEEPING ALL PUBLIC ROADWAYS ADJACENT TO THE CONSTRUCTION SITE FREE OF DIRT AND DEBRIS RESULTING FROM ACTIVITIES RELATED TO THE CONSTRUCTION OF THIS PROJECT. INSPECTIONS AND CLEANUP TO OCCUR ON A DAILY BASIS.

7. DEVELOPER SHALL KEEP THE ENTIRE PROJECT SITE FREE OF DEBRIS AND TRASH AT ALL TIMES. DEVELOPER SHALL EXECUTE WORK USING METHODS THAT MINIMIZE EXCESSIVE NOISE OR DUST EMISSIONS. DEVELOPER SHALL PROVIDE METHODS, MEANS AND FACILITIES TO PREVENT CONTAMINATION OF SOIL OR WATER FROM DISCHARGE OF REGULATED MATERIALS (I.E. FUEL) USED DURING CONSTRUCTION.

8. THE DEVELOPER SHALL ERECT AND MAINTAIN ORANGE COLORED TEMPORARY CONSTRUCTION FENCE AROUND ALL AREAS INDICATED ON THE PLANS TO BE LEFT UNDISTURBED BOTH TEMPORARY AND PERMANENTLY THE DEVELOPER WILL BE GIVEN NOTICE WHEN HE MAY ENTER THESE AREAS MARKED TEMPORARY BY THE OWNER ONCE PERMITS HAVE BEEN OBTAINED. THE FENCE MATERIAL SHALL BE 48" TALL, HIGH DENSITY POLYETHYLENE (HDPE) WITH NOMINAL MESH OPENING SIZE OF 1.25 INCHES X 1.25 INCHES.

LEGEND	
ECV OH	EXISTING CABLE TV, OVERHEAD
ETV	EXISTING CABLE TV, UNDERGROUND
CFV OH	PROPOSED CABLE TV, OVERHEAD
CTV	PROPOSED CABLE TV, UNDERGROUND
FCV OH	FUTURE CABLE TV, OVERHEAD
FTV	FUTURE CABLE TV, UNDERGROUND
EF OH	EXISTING FIBER OPTIC, OVERHEAD
FO	EXISTING FIBER OPTIC, UNDERGROUND
FO OH	PROPOSED FIBER OPTIC, OVERHEAD
FO	PROPOSED FIBER OPTIC, UNDERGROUND
FF OH	FUTURE FIBER OPTIC, OVERHEAD
FFO	FUTURE FIBER OPTIC, UNDERGROUND
FP	EXISTING FIRE PROTECTION SYSTEM LINE
FP	PROPOSED FIRE PROTECTION SYSTEM LINE
FFP	FUTURE FIRE PROTECTION SYSTEM LINE
EFL	EXISTING FUEL LINE
FL	PROPOSED FUEL LINE
FFL	FUTURE FUEL LINE
EG	EXISTING NATURAL GAS LINE
G	PROPOSED NATURAL GAS LINE
FG	FUTURE NATURAL GAS LINE
ETEL OH	EXISTING TELEPHONE LINE, OVERHEAD
ETEL	EXISTING TELEPHONE LINE, UNDERGROUND
TEL OH	PROPOSED TELEPHONE LINE, OVERHEAD
TEL	PROPOSED TELEPHONE LINE, UNDERGROUND
FTEL OH	FUTURE TELEPHONE LINE, OVERHEAD
FTEL	FUTURE TELEPHONE LINE, UNDERGROUND
EE OH	EXISTING POWER/ELECTRIC LINE, OVERHEAD
EE	EXISTING POWER/ELECTRIC LINE, UNDERGROUND
EOH	PROPOSED POWER/ELECTRIC LINE, OVERHEAD
E	PROPOSED POWER/ELECTRIC LINE, UNDERGROUND
FE OH	FUTURE POWER/ELECTRIC LINE, OVERHEAD
FE	FUTURE POWER/ELECTRIC LINE, UNDERGROUND
ESS	EXISTING SANITARY SEWER
SS	PROPOSED SANITARY SEWER
SS	FUTURE SANITARY SEWER
ESL	EXISTING STEAM LINE
SL	PROPOSED STEAM LINE
FSL	FUTURE STEAM LINE
EST	EXISTING STORM SEWER
ST	PROPOSED STORM SEWER
FST	FUTURE STORM SEWER
EW	EXISTING WATER LINE
W	PROPOSED WATER LINE
FW	FUTURE WATER LINE

ESTIMATE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS-BUILT
STREET				
1	8" SANITARY PVC (SDR-26)	L.F.	2993.2	2909.18
2	MANHOLES, STD. 4' DIA.	EA.	17	17
3	DROP MANHOLE STD. 4' DIA.	EA.	3	3
4	DROP ADDITION	V.F.	24.07	49.05
5	CONNECTION TO EXISTING M.H.	EA.	3	3
6	SERVICE WYE	EA.	47	47*
7	4" LATERAL PIPE	L.F.	1888.76	1888.76*
*AS PROVIDED BY CONTRACTOR				

ASBUILT
03-24-2022

SUMMARY OF QUANTITIES AS INDICATED ABOVE AND ANY QUANTITIES AS SHOWN WITHIN THE PLANS. HAVE BEEN PROVIDED FOR PERMITTING PURPOSES ONLY AND ARE NOT INTENDED FOR USE IN PREPARATION OF CONTRACT DOCUMENTS. QUANTITIES INTENDED FOR, BUT NOT LIMITED TO, THE PREPARATION OF PROPOSALS AND BID DOCUMENTS SHALL BE INDEPENDENTLY EVALUATED BY THE ESTIMATING PARTY BASED UPON THE CONTENTS OF THESE PLANS.

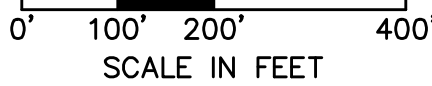
AS-BUILT / SERVICE LINE NOTE

1.) CONTRACTOR SHALL PLACE 2"x4" TIMBER OR METALLIC TAPE AT END OF EACH SERVICE LINE STUB. STANDARD 8' LENGTH MAY BE VARIED WITH 3' EXPOSED WHEN PLACED DIRECTLY OVER THE SERVICE LINE TERMINATION POINT. 2"x4" TIMBER SHALL BE MARKED APPROPRIATELY TO IDENTIFY SEWER SERVICE STUB.

2.) CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING OF ROCK ELEVATIONS AT 25' INTERVALS WHERE ENCOUNTERED. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR RECORDING SERVICE LINE LOCATIONS FROM THE DOWNSTREAM OR UPSTREAM MANHOLE AND SERVICE LINE LENGTHS DURING CONSTRUCTION OPERATIONS. CONTRACTOR SHALL ALSO RECORD VERTICAL ELEVATIONS WITH A REFERENCE POINT. ALL INFORMATION SHALL BE PROVIDED TO THE ENGINEER OF RECORD FOR PREPARATION OF AS-BUILT PLANS.

CONTROL POINT TABLE				
POINT NUMBER	EASTING	NORTHING	POINT ELEVATION	DESCRIPTION
1	2813424.811	1004323.277	978.52	SET 3" IB/CAP ON THE WEST SIDE OF PRYOR ROAD ON THE NORTH SIDE OF THE NORTH ENTRANCE TO THE JOHN KNOX VILLAGE CARE CENTER. 23.0' S TO BACK OF CURB. 51.0' SE TO POWER POLE. 52.4' S TO LIGHT POLE.
2	2810579.799	1003600.769	965.27	SET 3" IB/CAP ON THE SW CORNER OF THE INTERSECTION OF NW ASHURST AND NW ESSEX AVE. 12.2' NW TO CENTERLINE FIBER BOX. 37.3' E TO STOP SIGN. 39.7' E-NE TO LIGHT POLE.
3	2810569.194	1000980.591	904	SET 3" IB/CAP AT THE SE CORNER OF NW CODY DRIVE AND NW WHITLOCK DRIVE. 12.2' E TO NW CORNER CURB INLET. 7.7' SE TO POWER POLE. 49.7' W-NW TO STOP SIGN.
4	2813406.046	1000727.167	958.11	SET 3" IB/CAP ON THE SE CORNER SW PRYOR ROAD AND SW 1ST STREET. 10.8' NE TO FIRE HYDRANT. 22.1' NE TO SE CORNER CURB INLET. 22.0' SW TO NE CORNER CURB INLET.
6	2813383.638	1002469.496	979.56	SET 3" IB/CAP ON THE SW CORNER OF PRYOR ROAD AND O'BRIEN ROAD. IT IS IN LINE WITH THE PC OF THE CURB RETURN N AND THE BENCHMARK E.
BENCHMARK				
POINT NUMBER	EASTING	NORTHING	POINT ELEVATION	DESCRIPTION
5	2813403.101	1002468.034	979.24	CHISELED BOX ON THE SE CORNER OF A CONCRETE PAD FOR A TRAFFIC SIGNAL BOX AT THE SW CORNER OF PRYOR ROAD AND O'BRIEN ROAD.

ALL NOTES REFERENCED ON THIS PLAN SHEET MAY HAVE APPLICATIONS TO EVERY FACET OF THE CONSTRUCTION PLANS. THE NOTE HEADINGS OR TITLES ARE TO BE USED AS A GENERAL GUIDE TO APPLICABLE SITUATIONS.



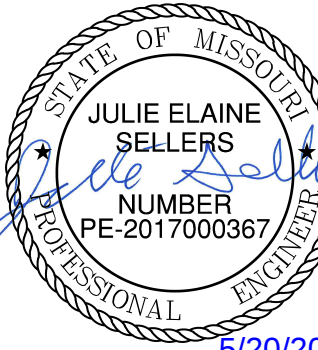
NOT ASBUILT

Accepted
Record Drawing

These plans have been reviewed for accuracy and are accepted for bas conformance to the approved construction drawings.

nos/

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



5/20/20

[illegible]

MASTER PLAN SANITARY SEWER PLANS	
WOODSIDE RIDGE SECOND PLAT	

drawn by: _____ C.S.
checked by: _____ S.M.
designed by: _____ C.S.
QA/QC by: _____ J.E.
project no.: _____ C18-11
date: _____ 2020.07.

SHEET
C203



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. #4-3

M.H. #4-2

M.H. #4-4

M.H. #4-5

190

STERLING HILLS
EST. 1911

KILLARNEY LN

TRACT G
DETENTION

TRACT E
DETENTION

**Accepted
Record Drawings**

These plans have been reviewed for accuracy and are accepted for basic conformance to the approved construction drawings.

NOT ASBUILT

olson

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

[illegible]

REVISIONS

2020

GENERAL LAYOUT SANITARY SEWER PLANS

WOODSIDE RIDGE
SECOND PLAT

LEE'S SUMMIT, MO

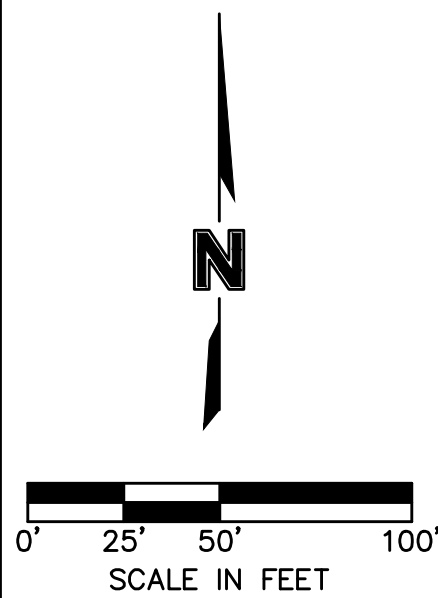
drawn by: _____ C.S.M
checked by: _____ S.M.S
designed by: _____ C.S.M
QA/QC by: _____ J.E.S
project no.: _____ C18-1140
date: _____ 2020.07.10

SHEET
C204

USER: ssaylor

ns\C_GEN02_C181140.dwg

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DATE: May 20, 2022 8:22am



DWG: F:\2018\1001-1500\018-1140-C\40-Design\AutoCAD\Final Plans - Asbuilt\Sheets\GNC\Sanitary Sewer Plans\C_GEN02-C181140.dwg
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USER: ssaylor

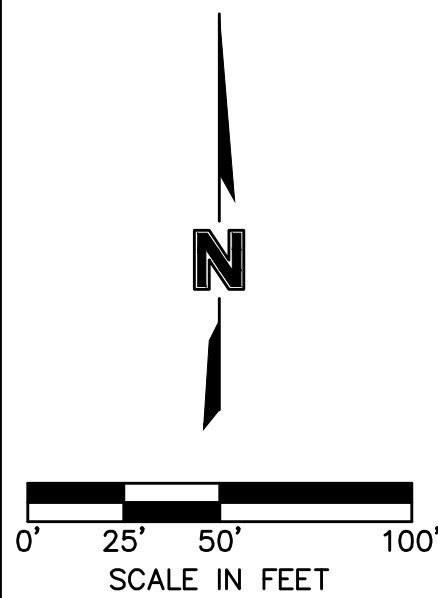


KEY MAP

NOT ASBUILT

Accepted
Record Drawings

These plans have been reviewed for
accuracy and are accepted for basic
conformance to the approved
construction drawings.



MATCH LINE
SEE SHEET C205
MATCH LINE
SEE SHEET C204

TRACT I
DETENTION

TRACT J
DETENTION

MATCH LINE
SEE SHEET C206

MATCH LINE
SEE SHEET C204

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

GENERAL LAYOUT
SANITARY SEWER PLANS

WOODSIDE RIDGE
SECOND PLAT

LEE'S SUMMIT, MO

2020

REVISIONS

BY

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These plans have been reviewed for accuracy and are accepted for basic conformance to the approved construction drawings.



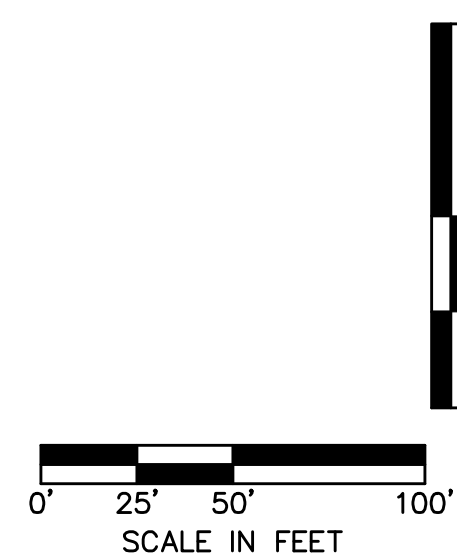
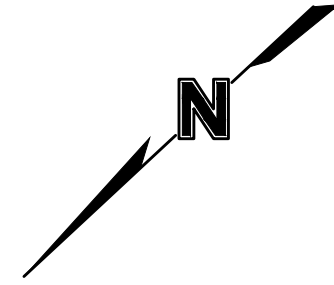
REVISIONS

GENERAL LAYOUT SANITARY SEWER PLANS

SHEET
C206

NOT ASBUILT

1301 BURLINGTON, SUITE 100
NORTH KANSAS CITY, MO 64116
TEL 816.361.1177
www.olsson.com



**Accepted
Record Drawings**

These plans have been reviewed for accuracy and are accepted for basic conformance to the approved construction drawings.

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.

[illegible]

SANITARY SEWER PLAN & PROFILE 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

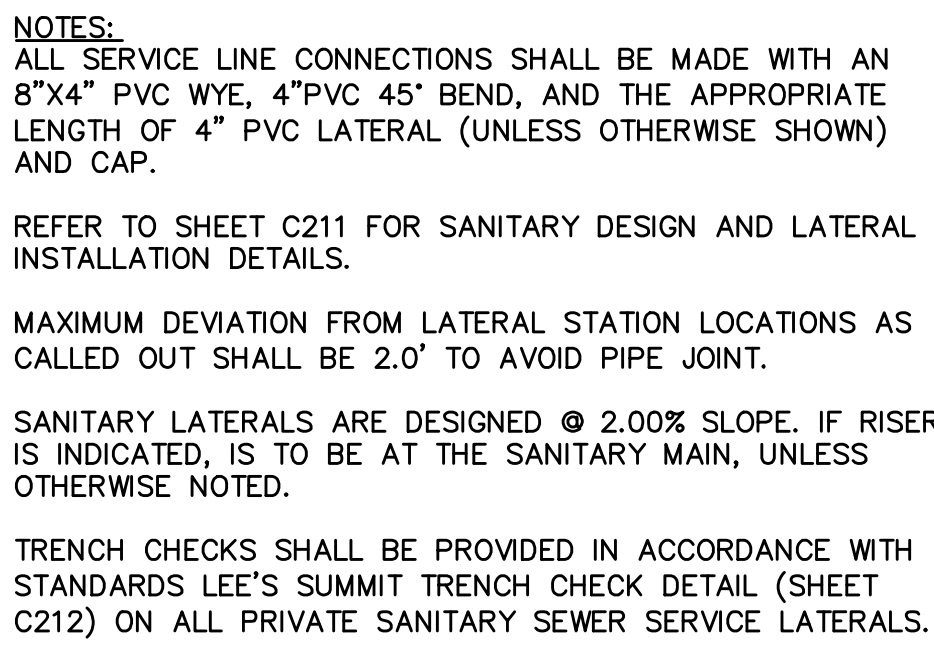
QA/QC by: _____ J.E.S

project no.: _____ C18-1140

date: _____ 2020.07.10

SHEET

C209



A horizontal scale bar with markings at 0', 25', 50', and 100'. Below the bar is the text "SCALE IN FEET".

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	956.9	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	959.6	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	40.00	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

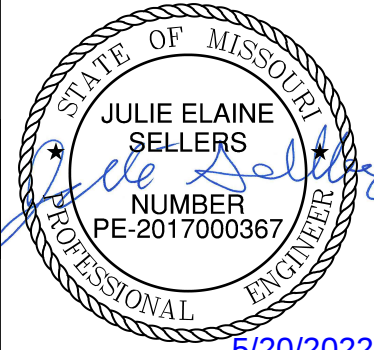
Accepted
Record Drawings

These plans have been reviewed for accuracy and are accepted for basic conformance to the approved construction drawings.

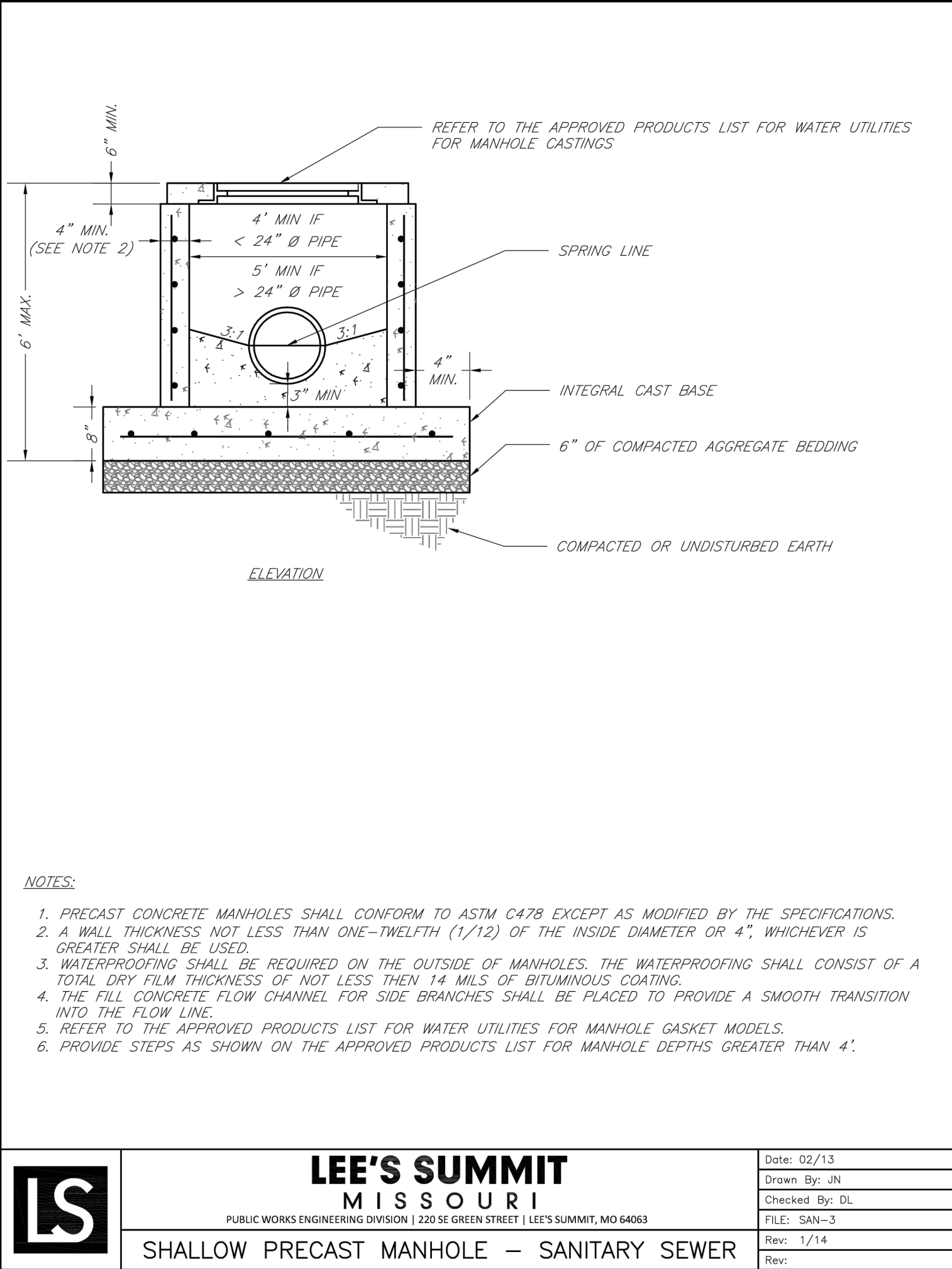
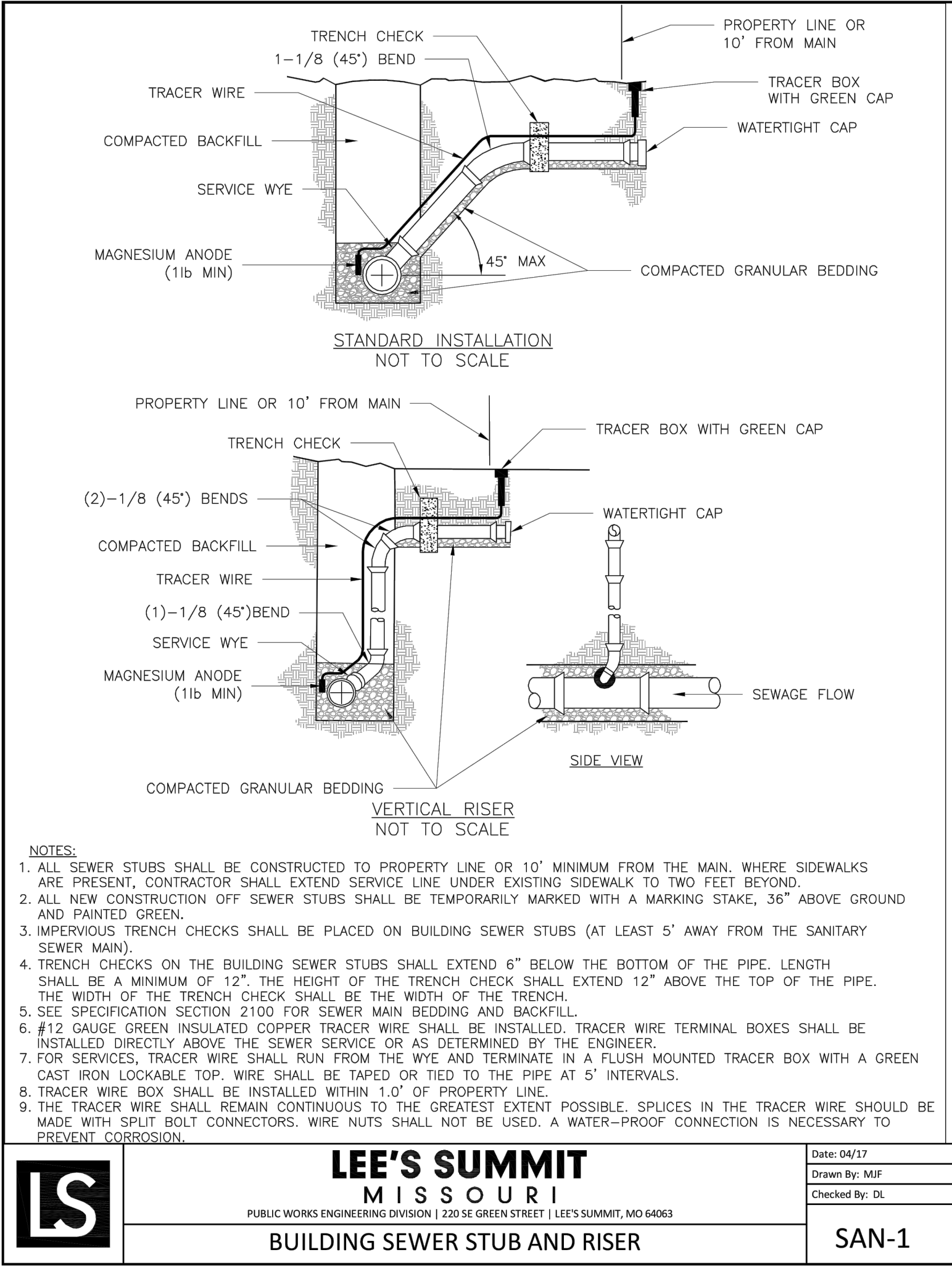
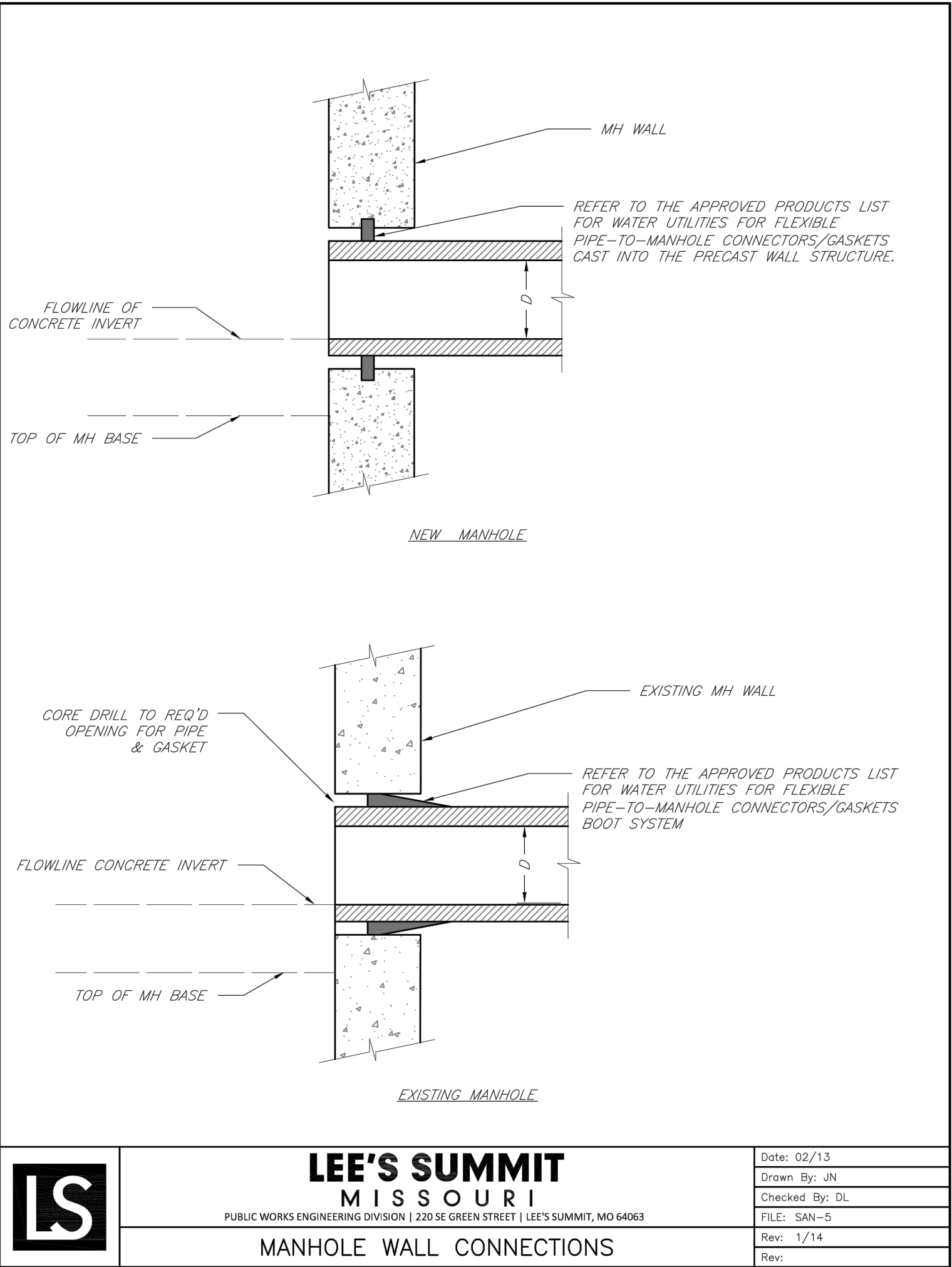
Sanitary Sewer Design Information											
Upstream Manhole	Downstream Pipe Slope	Downstream Pipe Diameter	Proposed Cumulative Area	Future Cumulative Area	Peak Base Flow 50-Year Design	Peak Infiltration Flow 50-Year Design	Peak Inflow 50-Year Design	Total Peak Flow	Downstream Pipe Mannings N	Downstream 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



NO. REV.		DATE	REVISIONS DESCRIPTION	BY
1		07/10/2020	REVISED PER CITY COMMENTS	
	</			



**Accepted
Record Drawings**

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olsson		NO. Certificate of Authority: 001892 303 E. BURGESS STREET, SUITE 100 NORTH KANSAS CITY, MO 64116 TEL. 816.861.1177 www.olsson.com	
BY	REVISIONS DESCRIPTION	NO. REV.	DATE
	REVISED PER CITY COMMENTS	1	07/10/2020
DETAILS SHEET SANITARY SEWER PLANS		2020	
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 C213	

NOT ASBUILT