LEE'S SUMMIT FIRE STATION NO. 4 5031 NORTHEAST LAKEWOOD WAY LEE'S SUMMIT, MISSOURI 64064

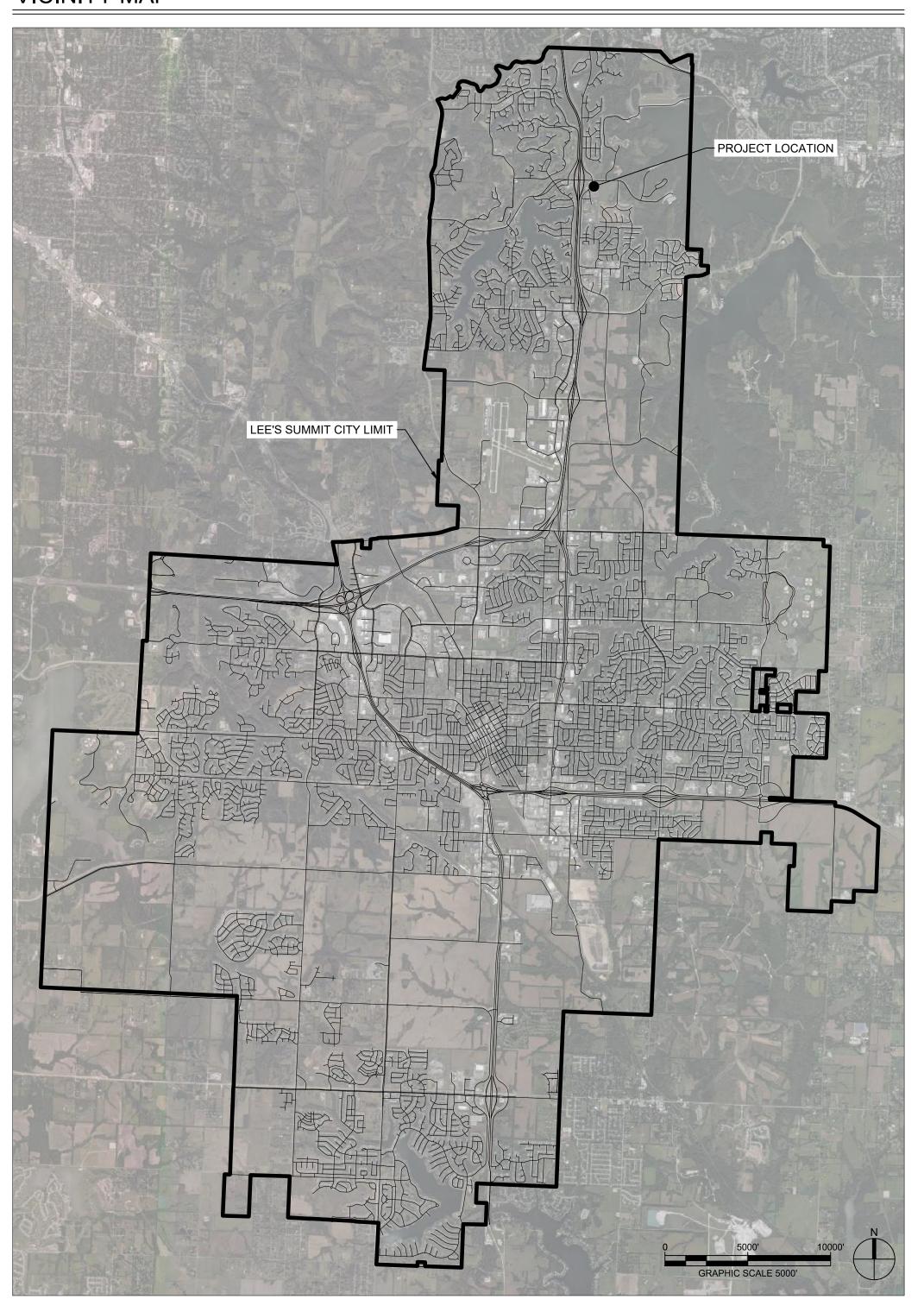
PUBLIC OFFSITE STORM SEWER

CONSULTANT:

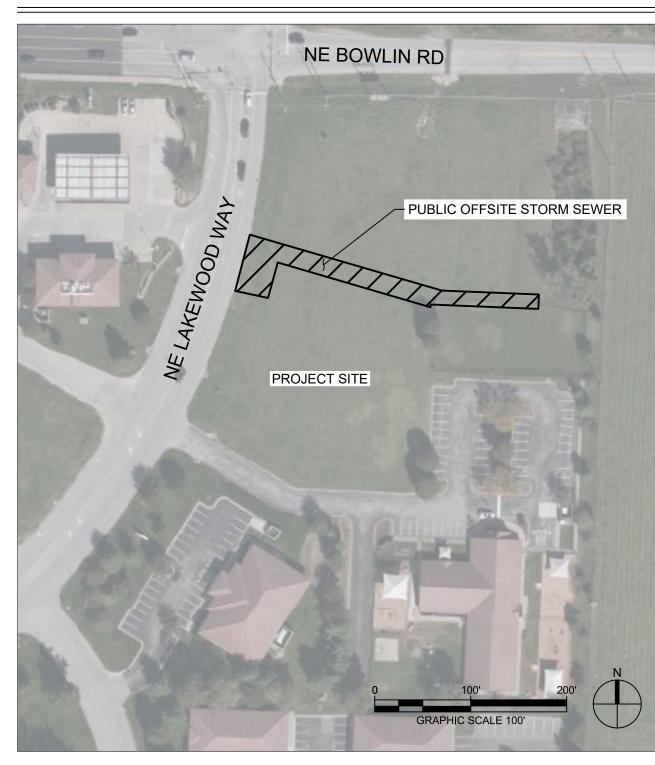


9229 WARD PKWY
KANSAS CITY, MISSOURI 64114
DERICK HOLMES
derick.holmes@glmv.com
T (816) 444-4200

VICINITY MAP

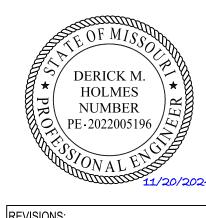


SITE LOCATION MAP



INDEX OF DRAWINGS						
SHEET NO.	SHEET NAME					
C-002	COVER SHEET					
C-230	PUBLIC STORMWATER PROFILES					
C-530	STORMWATER DETAILS					
C-540	SANITARY SEWER DETAILS					

Record Drawing



REVISIONS:

Description Date
3 ASI 03 12.08.2022

RECORD
DRAWINGS

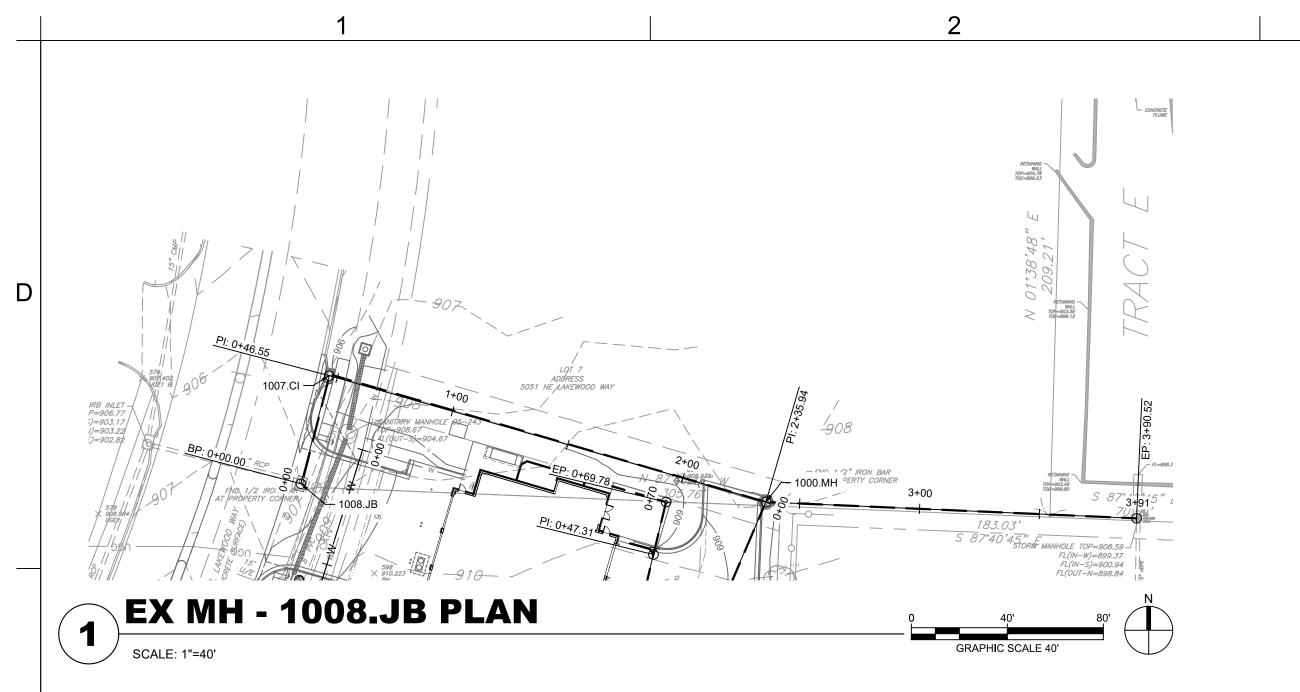
PROJECT NO: 18225R21001

DATE: 12.08.2022

COVER

SHEET

C-002



EXISTING -FINAL GRADE GRADE -┌─STA: 0+59.07 INV EL: 905.09 1007-1008 41.14 LF OF 24" HDPE @ 0.70% EX MH-1000 152.83 LF OF 36" HDPE @= 100-YR, 24-HR HGL (TYP) 1000-1007 EXISTING -185.42 LF OF 30" HDPE-GAS LINE @ 0.50% STA. 0+54.41 (CONTRACTOR TO - EXISTING FIELD VERIFY DEPTH) WATER LINE STA. 0+71.38 (CONTRACTOR TO FIELD VERIFY DEPTH) STP STP 36" 42" 909.11 909.11 908.99 909.54 908.96 -0+40 -0+20 0+00 0+20 0+40 0+60 0+80 1+00 1+20 1+40 1+60 1+80 2+00 2+20 2+40 2+60 2+80 3+00 3+20 3+40 3+60 3+80 4+00 4+20 4+40 4+60 4+80 5+00

EX MH - 1008.JB PROFILE

SCALE: HORIZONTAL 1"=40' SCALE: VERTICAL 1"=4'

	100-YR, 24-HR STORM EVENT																	
PIPE NAME	UPSTREAM NODE	DOWNSTREAM NODE	LENGTH (FT)	INLET INVERT ELEVATION (FT)	OUTLET INVERT ELEVATION (FT)	SLOPE (%)	PIPE DIAMETER (INCHES)	MANNING'S ROUGHNESS (N)	ENTRANCE LOSSES	EXIT/BEND LOSSES	PEAK FLOW (CFS)	TIME OF PEAK FLOW OCCURRENCE (DAYS HH:MM)	MAX FLOW VELOCITY (FT/SEC)	TRAVEL TIME (MIN)	DESIGN FLOW CAPACITY (CFS)	MAX FLOW / DESIGN FLOW RATIO	MAX FLOW DEPTH (FT)	MAX FLOW DEPTH / TOTAL DEPTH RATIO
EX.MH-1000	1000.MH	EX.MH	152.83	900.13	899.37	0.50	36	0.012	0.50	0.90	14.11	0 12:05	6.17	0.42	50.66	0.28	1.08	0.36
1000-1007	1007.CI	1000.MH	185.42	901.26	900.33	0.50	30	0.012	0.50	0.80	12.23	0 12:05	6.05	0.51	31.47	0.39	1.08	0.43
1007-1008	1008 IB	1007 CI	41 14	901.85	901.56	0.70	24	0.012	0.50	0.80	11 50	0.12:00	6.74	0.10	20.58	0.56	1.07	0.53

100-YR, 24-HR STORM EVENT							
STRUCTURE NAME	MAX HGL ELEVATION (FT)						
EX. MH	900.45						
1000.MH	901.41						
1007.CI	902.63						
1008 JB	902 92						

GENERAL NOTES:

1. CONSTRUCTION OF STORMWATER IMPROVEMENTS SHALL BE AS PER CITY OF LEE'S SUMMIT, MO STANDARD SPECIFICATIONS AND STANDARD SPECIAL PROVISIONS.

2. THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION AND FOR MAKING HIS OWN VERIFICATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

3. PROTECT ALL COMPONENTS DURING DEMOLITION / CONSTRUCTION PROCESS. MAINTAIN BMP'S THROUGHOUT THE DURATION OF CONSTRUCTION.

4. CONTRACTOR TO PROVIDE DETAILED AS-BUILT DRAWINGS TO OWNER, ENGINEER, AND CITY OF LEE'S SUMMIT, MO UPON COMPLETION OF ALL IMPROVEMENTS.

GLMVArchitecture

9229 WARD PARKWAY SUITE # 210 KANSAS CITY, MO 64114 TEL: (816) 444-4200 FAX: (316) 265-5646

www.glmv.com GLMV ARCHITECTURE, INC. MISSOURI STATE CERTIFICATE OF AUTHORITY #000305

CIVIL ENGINEER & LANDSCAPE ARCH. GLMV ARCHITECTURE, INC MISSOURI CIVIL COA #2018033898 MISSOURI LANDSCAPE COA #000008 9229 WARD PARKWAY, SUITE # 210

KANSAS CITY, MO 64114 TEL: (816) 444-4200 STRUCTURAL ENGINEER LEIGH + O'KANE MISSOURI COA #001644

250 NE MURBERRY, SUITE 201 LEE'S SUMMIT, MO, 64086 (816) 444-3144 PHONE

MECH., ELEC. & PLUMBING ENGINEERS HOSS & BROWN ENGINEERS MISSOURI COA #01022 15902 MIDLAND DRIVE

(913) 362-9090 PHONE SECURITY & IT ENGINEERS HENDERSON ENGINEERS MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300

SHAWNEE, KS 66217

KANSAS CITY, MO 64108 (816) 663-8700 PHONE

FIRE STATION # 5031 NORTHEAST LEE'S SUMMIT, MI

REVISIONS: # Description Date ASI 03 12.08.2022

HOLMES NUMBER PE-2022005196

DERICK HOLMES - CIVIL ENGINEER MO# PE-2022005196 The Professional Engineers seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments or other documents not exhibiting this seal shall not be considered prepared by this engineer, and this engineer expressly disclaims any and all responsibility for such plan, drawings, or documents not exhibiting this seal.

PROJECT NO:	18225R21001
DATE:	10.19.2022
DRAWN BY:	HFL
CHKID BV:	CDW

© GLMV Architecture, Inc. All work herein is the property of GLMV Architecture, Inc. and is not to be copied or used in any way without the express written consent of GLMV Architecture, Inc.

PUBLIC

STORMWATER PROFILES

Record Drawing

PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS

