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

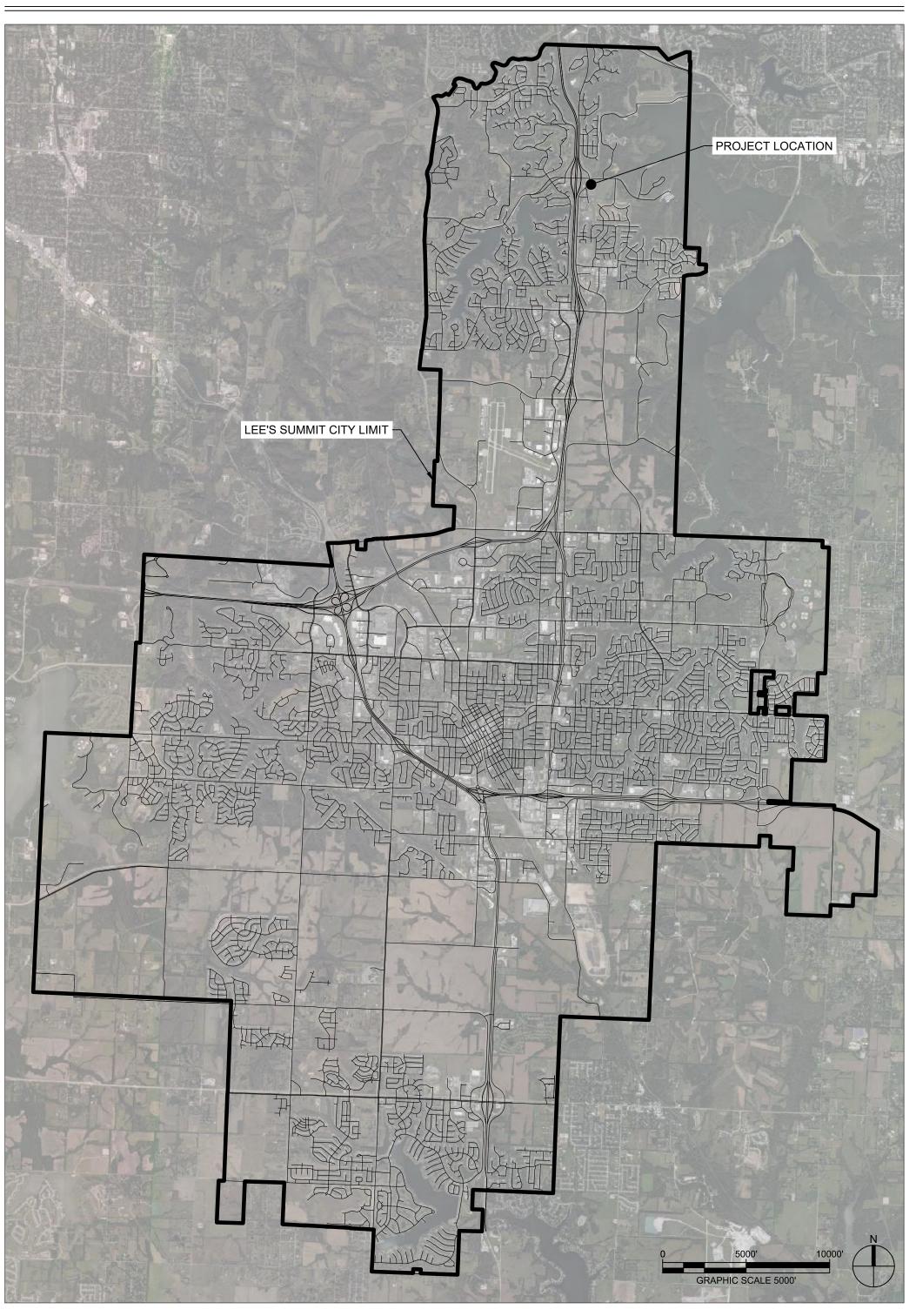
# PUBLIC OFFSITE STORM SEWER

### **CONSULTANT:**

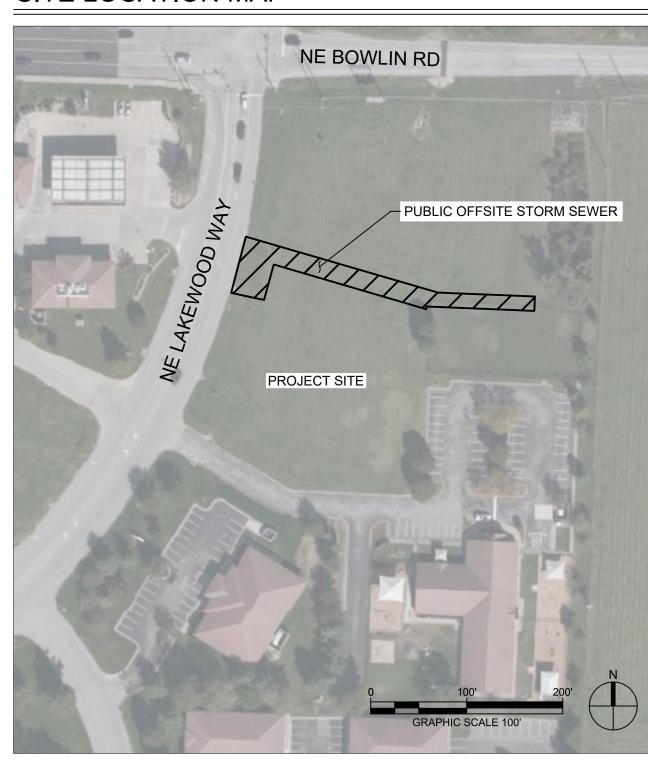


9229 WARD PKWY
KANSAS CITY, MISSOURI 64114
DERICK HOLMES
derick.holmes@glmv.com
T (816) 444-4200

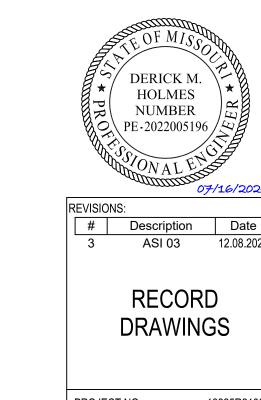
### **VICINITY MAP**



### 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					



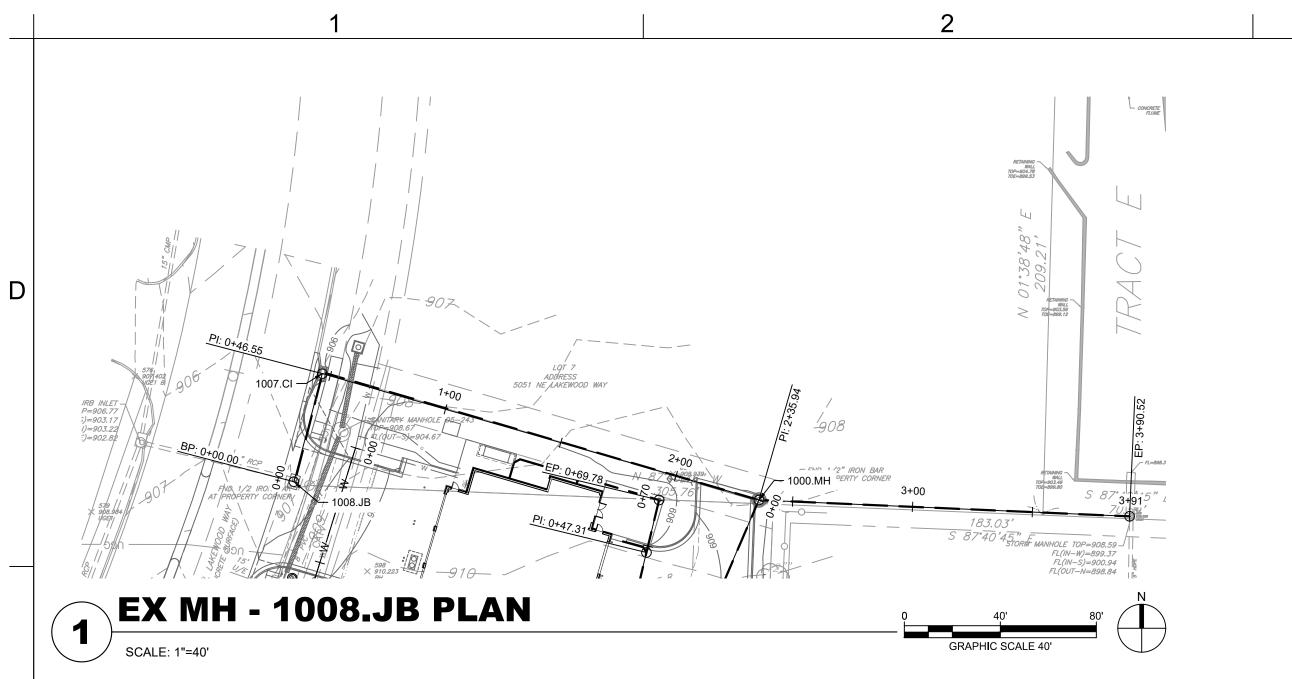
PROJECT NO: 18225R210

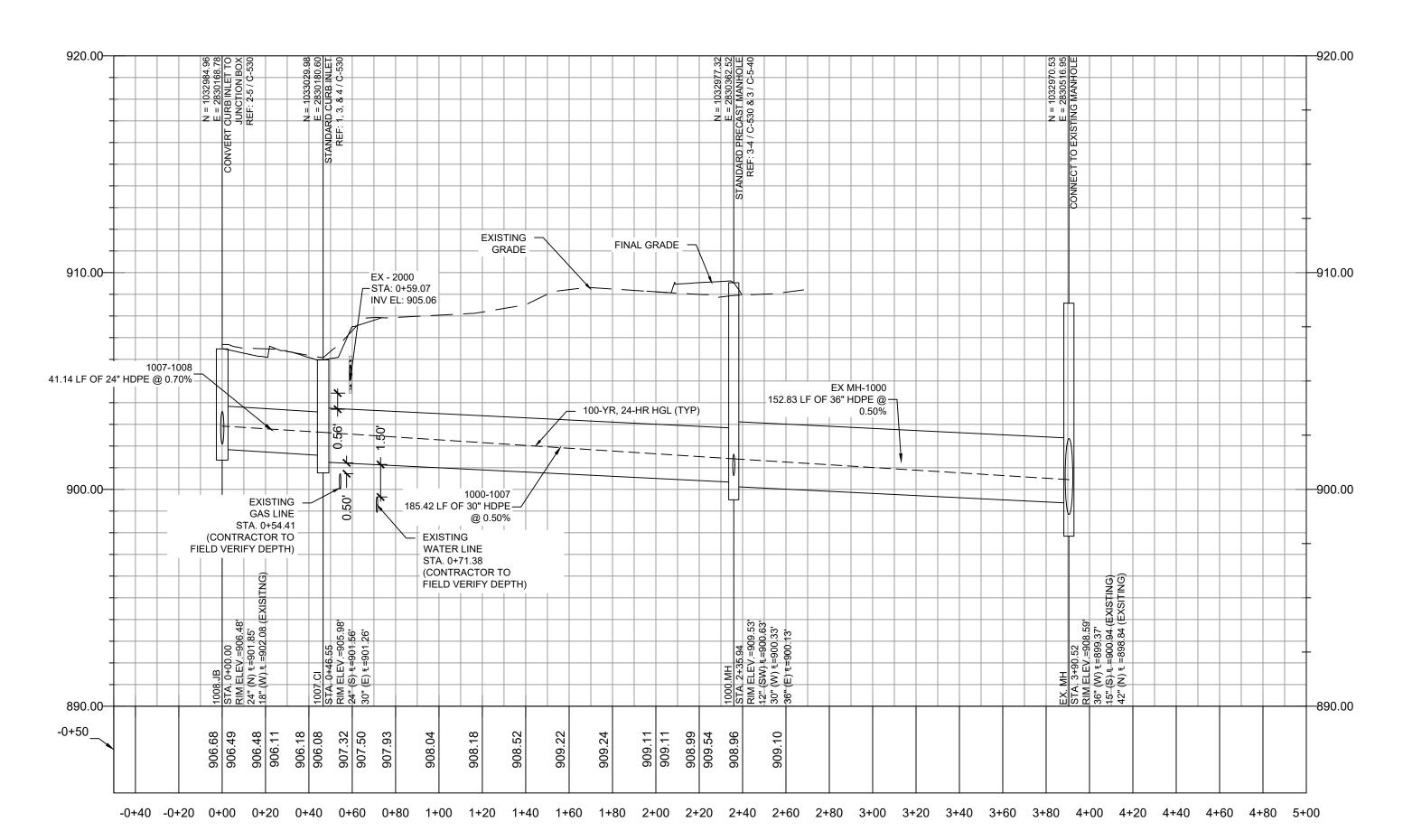
DATE: 12.08.20

COVER

SHEET

C-002





## 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.JB	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.

**GLMV**Architecture

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

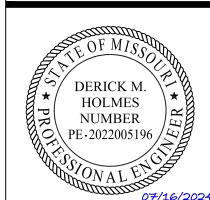
HOSS & BROWN ENGINEERS MISSOURI COA #01022 15902 MIDLAND DRIVE SHAWNEE, KS 66217

(913) 362-9090 PHONE SECURITY & IT ENGINEERS HENDERSON ENGINEERS MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108

(816) 663-8700 PHONE

FIRE STATION # 5031 NORTHEAST LEE'S SUMMIT, MI

REVISIONS: # Description Date ASI 01 ASI 03 12.08.2022



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
CHK'D BY:	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

PLEASE CONSIDER THE ENVIRONMENT

