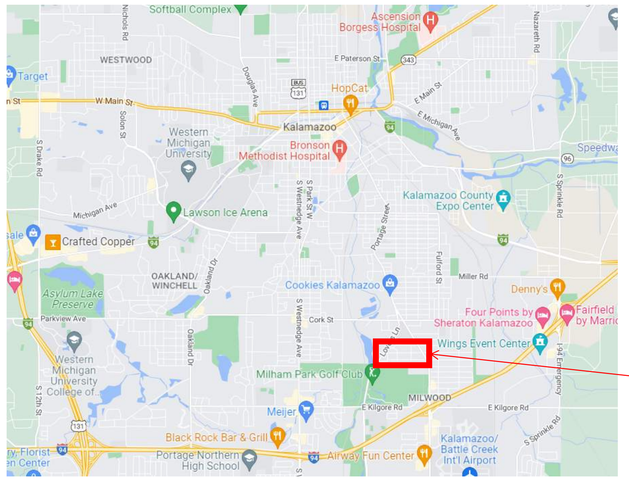
N



PROJECT LOCATION

CITY OF KALAMAZOO
2022 PROPOSED MILWOOD 6" PIPE LINING

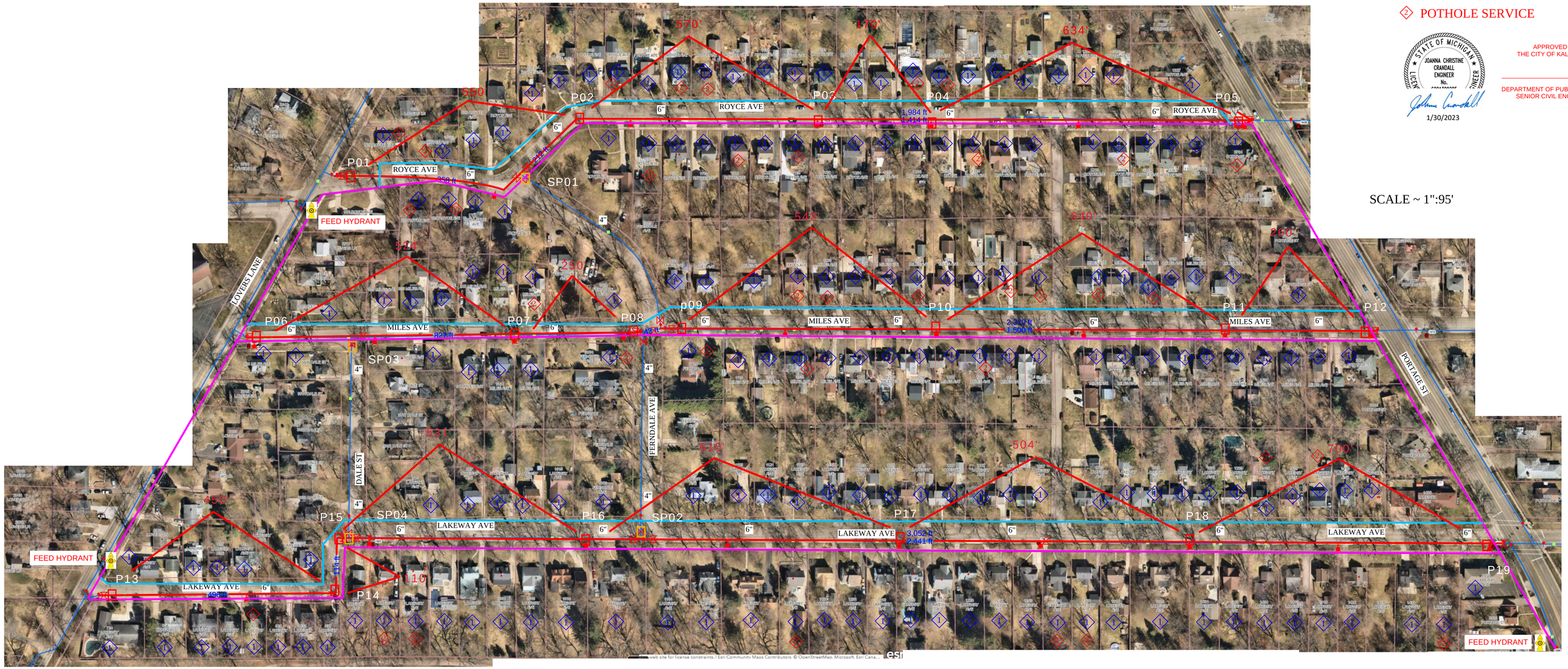
Street	Start	End	Approx. Length (FT)	Size (IN)	Valves	Hydrants
Lakeway	Lovers Lane	Portage	3050	6	9	9
Miles	Lovers Lane	Portage	2400	6	9	9
Royce	Lovers Lane	Portage	2000	6	5	6

EGLE
MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
ACT-243426 | 03/08/2023
Permit Number | Issued Date
Examined and Approved for Compliance with Act 399, P.A. 1976
Nathan Yutzy
2023.03.08 11:35:28 -05'00'

KEY NOTE

1 REINSTATE SERVICE

2 POTHOLE SERVICE



SCALE ~ 1":95'

STATE OF MICHIGAN
JOANNA CHRISTINE CRANDALL
ENGINEER
No.
LICENSED ENGINEER
1/30/2023

APPROVED BY:
THE CITY OF KALAMAZOO

DATE: 01/30/2023

DEPARTMENT OF PUBLIC SERVICES
SENIOR CIVIL ENGINEER

LINER RUN LENGTHS - Royce Ave.					As-Built
PIPE SIZE	RUN		LENGTH		
Inches	FROM	TO	M	FT	
6	P01	P02	168	550	
6	P02	P03	174	570	
6	P03	P04	52	170	
6	P04	P05	193	634	
	TOTAL		586	1,924	

Total Plan	7406	Plan	1984
Total Var	-361	Variance	(60)
Total Runs	15	Runs	4
Totals (C-C)	7,045	Feet	1,924
Totals (C-C)	2,147	Meters	586

LINER RUN LENGTHS - Mile Ave.					As-Built
PIPE SIZE	RUN		LENGTH		
Inches	FROM	TO	M	FT	
6	P06	P07	160	524	
6	P07	P08	76	250	
6	P09	P10	165	542	
6	P10	P11	195	640	
6	P11	P12	79	260	
	TOTAL		675	2,216	

		Plan	2370
		Variance	(154)
		Runs	5
			2,216
			675

LINER RUN LENGTHS - Lakeway Ave.					As-Built
PIPE SIZE	RUN		LENGTH		
Inches	FROM	TO	M	FT	
6	P13	P14	137	450	
6	P14	P15	34	110	
6	P15	P16	162	531	
6	P16	P17	186	610	
6	P17	P18	154	504	
6	P18	P19	213	700	
	TOTAL		885	2,905	

		Plan	3052
		Variance	(147)
		Runs	6
			2,905
			885

LINER RUN LENGTHS -					As-Built
PIPE SIZE	RUN		LENGTH		
Inches	FROM	TO	M	FT	
	TOTAL		0	-	

		Plan	0
		Variance	-
		Runs	0
			-
			0

LINER RUN LENGTHS -					As-Built
PIPE SIZE	RUN		LENGTH		
Inches	FROM	TO	M	FT	
	TOTAL		0	-	

		Plan	0
		Variance	-
		Runs	0
			-
			0

LINER RUN LENGTHS -					As-Built
PIPE SIZE	RUN		LENGTH		
Inches	FROM	TO	M	FT	
	TOTAL		0	-	

		Plan	0
		Variance	-
		Runs	0
			-
			0

LINER RUN LENGTHS -					As-Built
PIPE SIZE	RUN		LENGTH		
Inches	FROM	TO	M	FT	
	TOTAL		0	-	

		Plan	0
		Variance	-
		Runs	0
			-
			0

LEGEND

- LINING PIT
- SERVICE PIT
- CIPP 6"(Pipe to be Lined)
- 4" BYPASS PIPE
- 2" BYPASS PIPE
- GATE VALVE IN BOX
- GATE VALVE IN WELL
- TEMPORARY HYDRANT
- BYPASS HYDRANT
- BYPASS FEED HYDRANT
- SAMPLE POINT - TEST

Quantity Analysis 031820

Item	Unit	Proposal	Plan	*Layout C/C		As-Built
Bypass 4"	FT	9,400			Estimated	
Bypass 2"	FT	7,180		7,045		
	FT			-		
	FT			7,045		

*Unconfirmed terminal points
C/C Pit Layout

	Street Name List	Plan QTY - FT
1	Royce Ave.	1984
2	Mile Ave.	2370
3	Lakeway Ave.	3052
4		
5		
6		
7		
8		
9		