

RELEASED FOR CONSTRUCTION
As Noted on Plan Review
Development Services Department
Lee's Summit, Missouri
04/23/2024



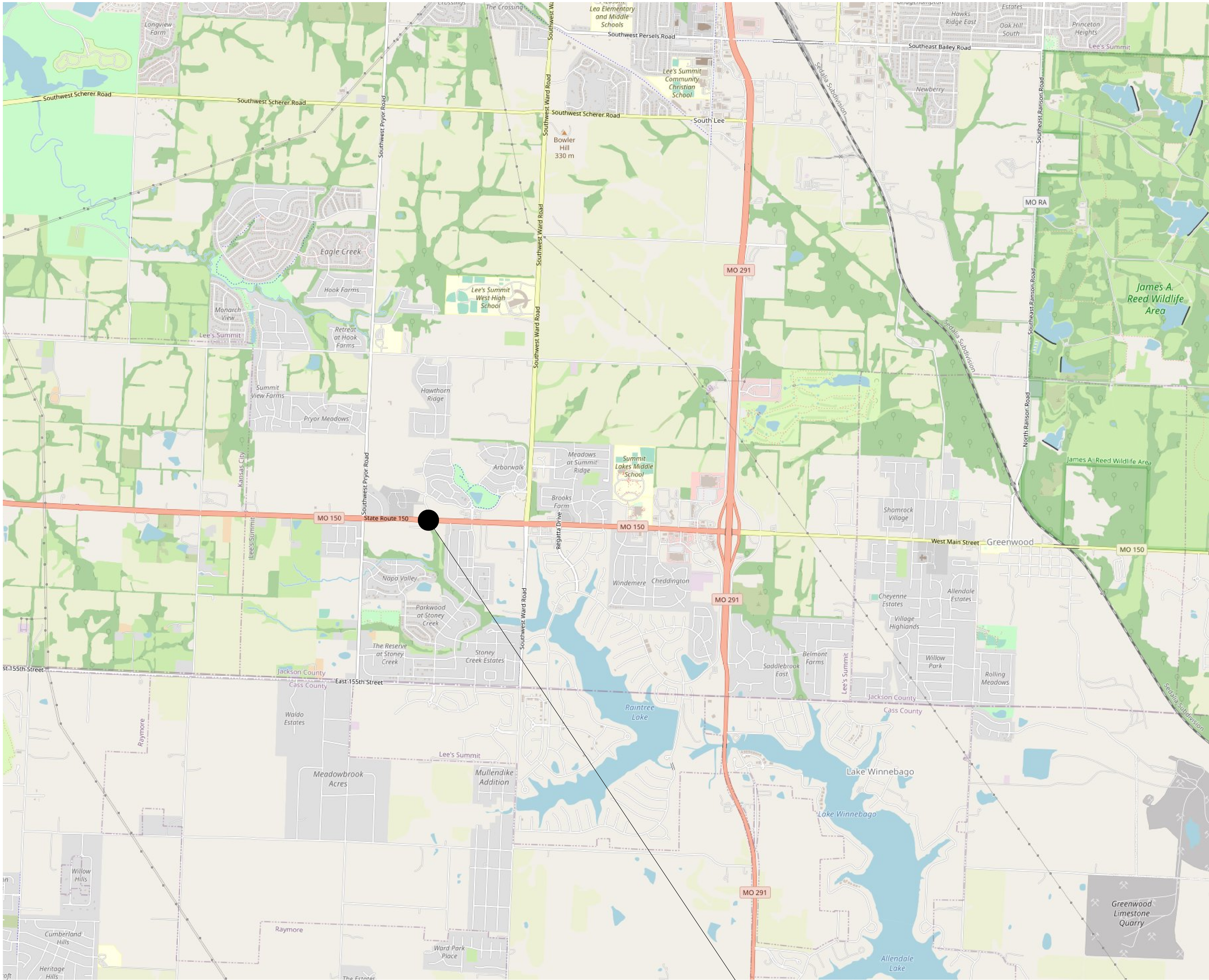
DATE PREPARED
2-13-2024

MO 150 & ARBORIDGE DRIVE

Lee's Summit, Jackson County, Missouri

TRAFFIC SIGNAL PLANS

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PLAN SHEET	2
QUANTITIES	3-7



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VICINITY MAP
N.T.S.

PROJECT LOCATION

PRSUBD20234377

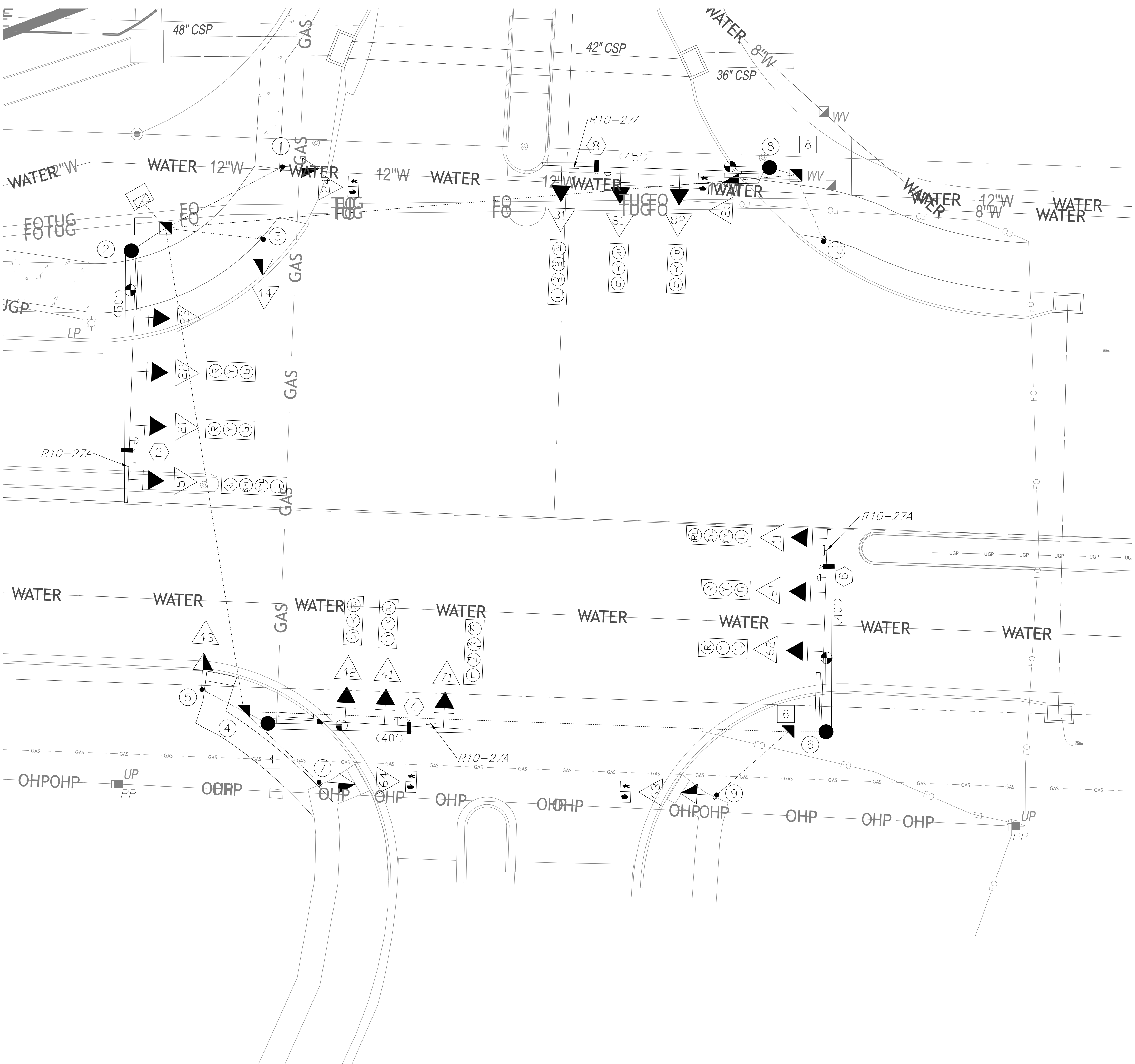


DATE	DESCRIPTION
10-4-2023	Prepared for Review
1-8-2024	Revised Per MOOT & City Comments
2-13-2024	Revised Per MOOT Comments

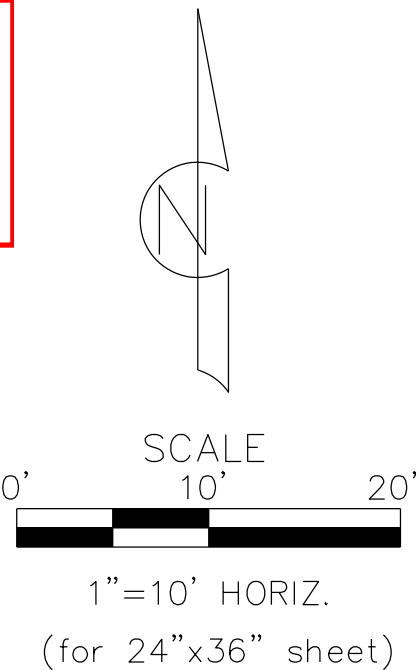
PO Box 563
Garden City, MO 64747
816.738.4400



Priority Engineers, Inc.
MO State Certificate
of Survey #:
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- Notes:
1. The Contractor shall stake the locations of all poles, and other equipment. Staked locations shall be reviewed by the Engineer for approval prior to the placement of equipment.
 2. All locations indicated in drawings, including conduit runs are subject to adjustment to clear obstructions and to meet site conditions, if any, by the Engineer.
 3. Any equipment damaged during construction shall be replaced at the contractor's expense.
 4. The Contractor shall determine the exact locations of all existing utilities before beginning work and agrees to be fully responsible for any and all damages which might be caused by the Contractor's failure to expertly locate and preserve any and all underground utilities.
 5. Contractor shall submit shop drawings and obtain approval from the Engineer prior to the procurement of all signal equipment.
 6. Traffic control shall be provided by the Contractor. All traffic control devices shall be in accordance with the manual on Uniform Traffic Control Devices (MUTCD).
 7. All signal indications shall be LEDs per ITE specifications.
 8. All pedestrian signal indications shall be 16 inch single section LED Ped modules with Hand and Walker symbols with count down feature per 2009 MUTCD specifications.
 9. Pedestrian pushbuttons shall be in accordance with MoDOT's Accessible Pedestrian Signals (Pushbuttons) JSP.
 10. Intercept MoDOT MO 150 Fiber.

LEGEND

- PULL BOX
- PULL BOX LABEL
- POST LABEL
- POST WITH MAST ARM
- PUSHBUTTON DETECTION
- DETECTION LABEL
- SIGNAL HEAD WITH LABEL
- PEDESTRIAN SIGNAL HEAD WITH LABEL
- SIGNAL CONTROLLER
- POWER SUPPLY
- SIGNAL HEAD INDICATION
- PEDESTRIAN SIGNAL HEAD INDICATION
- TRENCHED CONDUIT
- PUSHED CONDUIT
- 4' PEDESTRIAN POLE
- 8' PEDESTRIAN POLE
- RADAR DETECTION
- EMERGENCY VEHICLE PREEMPTION (EVP)

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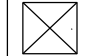
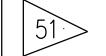
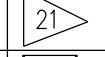
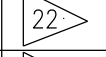
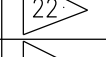
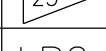
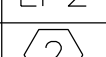
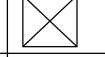
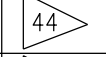
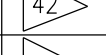
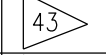
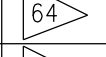
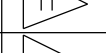
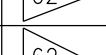
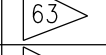
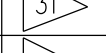
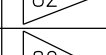
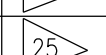
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[illegible]



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CONDUIT (WITH #14 TRACER WIRE)																	CABLE																
FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS	FROM	TO	CENTER TO CENTER DISTANCE	POWER #2 USE	CONTROL				CLOSED LOOP INTERCONNECT 3 PAIR #16	LUMINAIRE		EVP		VIDEO		REMARKS
				1"	2"	3"	4"	2"	3"	4"	2"	3"	4"	2"	3"	4"						CONTROL	POLE & BRACKET	M-138	3c #16 POWER		COAX						
																												2c #12	1c #12				
		100			108														100	200													
		8				22													62				97										
		27			28														11				15										
		9			12														40				75										
		20			23														29				64										
		107								105									LP2	17								66					
		14			15														56											89	91	91	
		7			10														EVP2	54													
		10			13														35		58	59											
		106								104									28		45	46											
		20			21														161				202										
		8			11														8				12										
		129								127									141				182										
		15			16														137								192						
		6			9														154										193	195	195		
																			EVP4	152													
																			118		147	148											
																			129		158	159											
																			267				314										
																			12				16										
																			244				291										
																			261										308	308			
																			EVP6	259								306					
																			LP6	244							305						
																			241		276	277											
																			184				225										
																			12				16										
																			160				201										
																			143		172	173											
																			177										218	218			
																			EVP8	175							216						
																			LP8	158							213						

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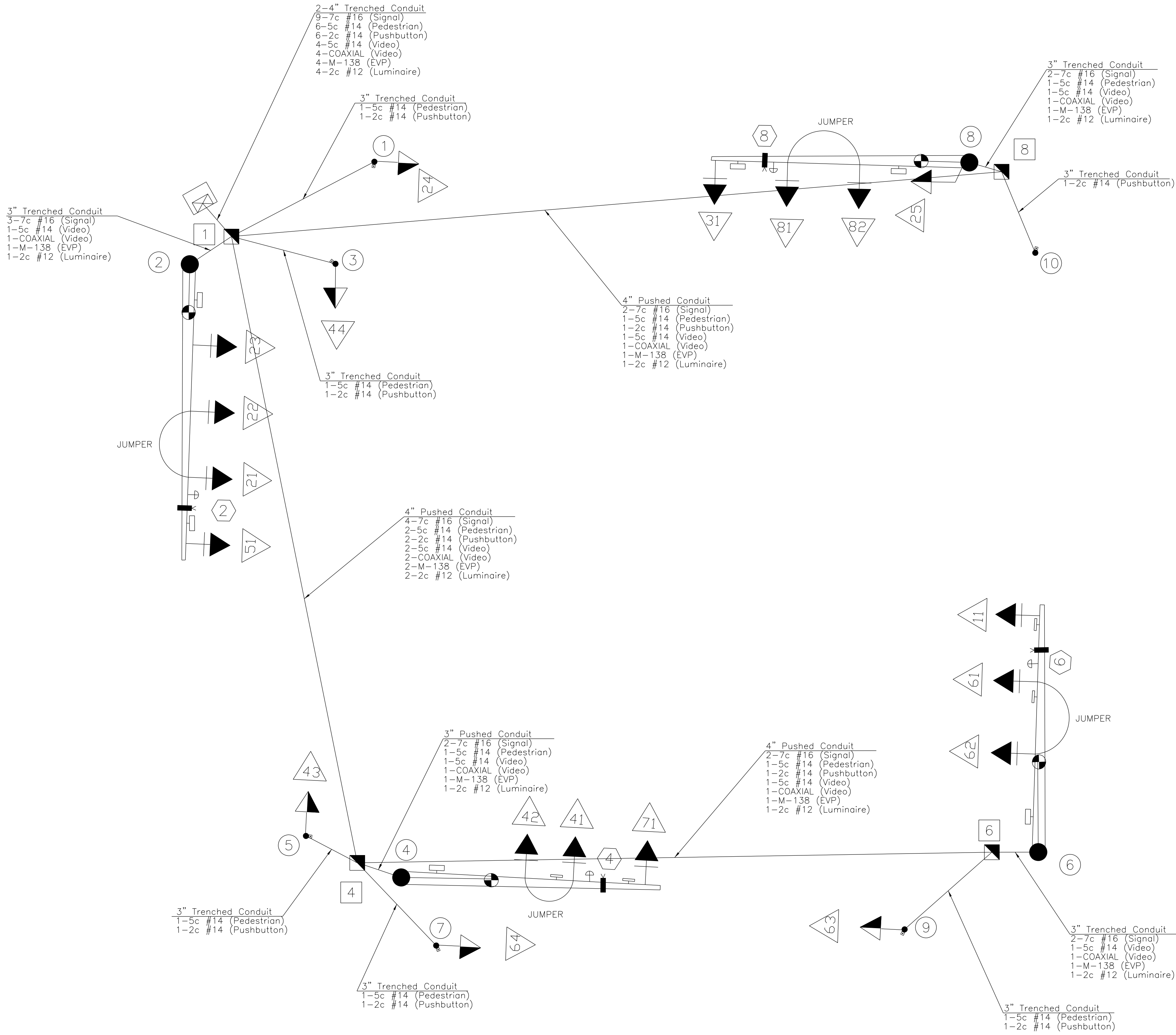
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WIRING DIAGRAM

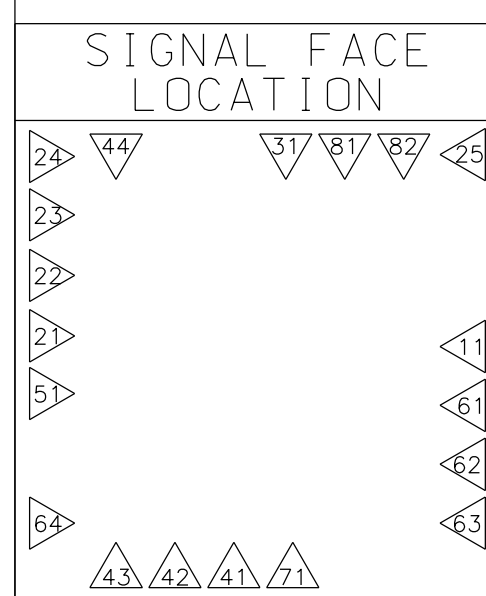


LEGEND

- CONDUIT
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- VIDEO DETECTION PHASE NUMBER
- VIDEO DETECTION CAMERA
- SIGNAL HEAD WITH NUMBER
- PEDESTRIAN SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING OR UPS CONTROLLER
- PEDESTRIAN PUSHBUTTON POLE

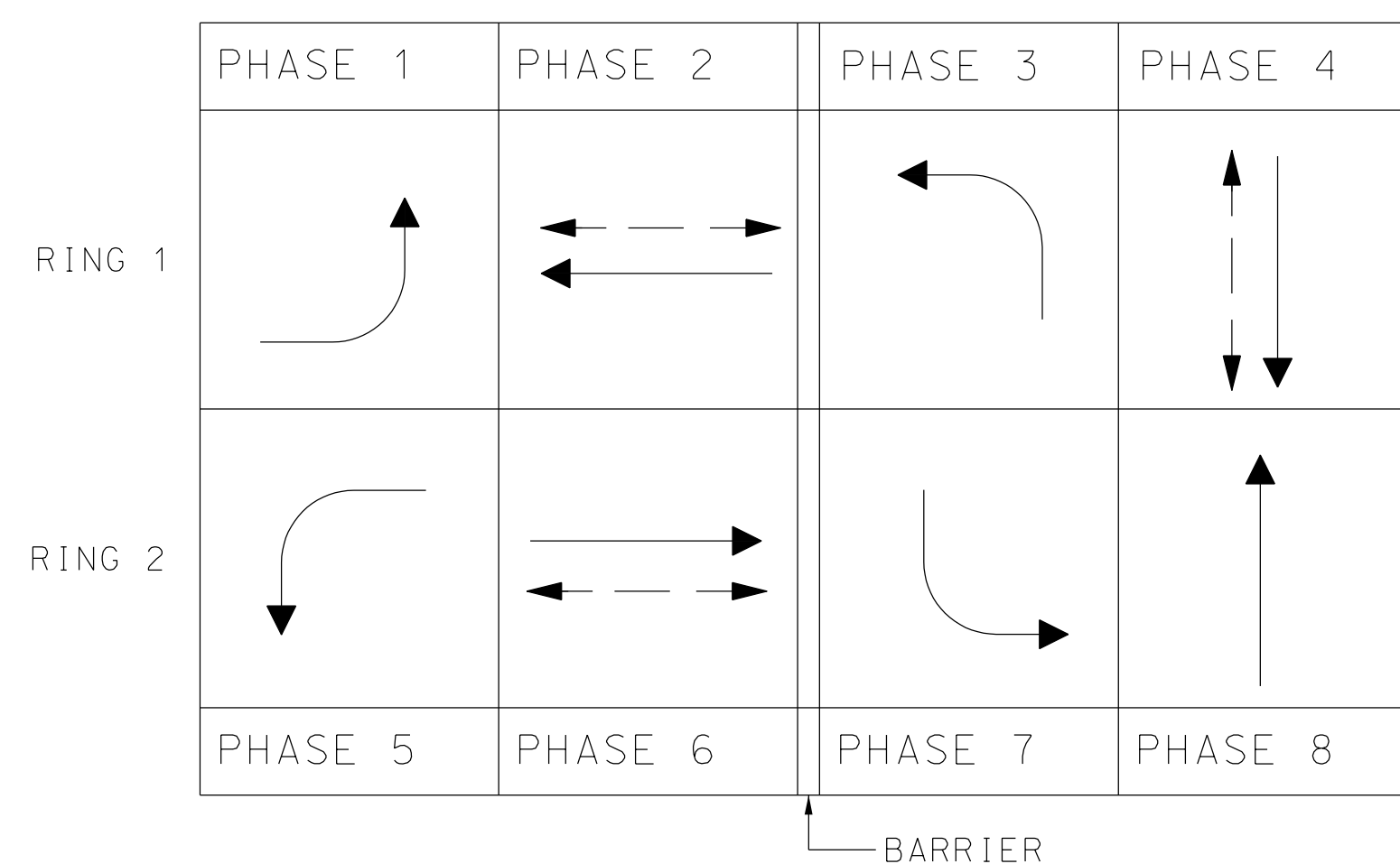


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	FACE NUMBERS	
R	SIGNAL INDICATION	
Y		
FYA		
G		
	DETECTOR ASSIGNMENTS	

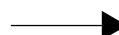
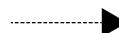
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RING STRUCTURE

NOTE: MODE G FOR FYA MODE

LEGEND

-  — ACTUATED VEHICULAR MOVEMENT
 — PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT
 — NON-ACTUATED VEHICULAR MOVEMENT
 — PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT
 — ACTUATED PEDESTRIAN MOVEMENT
 — NON-ACTUATED PEDESTRIAN MOVEMENT
 — VEHICLE STOPPED
FDW — FLASHING DON'T WALK
R/W — RIGHT OF WAY INTERVAL
DW — DON'T WALK
YR† — YELLOW RIGHT ARROW
RT. — GREEN RIGHT ARROW
W — WALK
LY — YL — YELLOW LEFT ARROW
L — GREEN LEFT ARROW
S — GREEN STRAIGHT AHEAD ARROW
G — CIRCULAR GREEN
Y — CIRCULAR YELLOW
R — CIRCULAR RED
Ø — TRAFFIC PHASE
AO — ALL OTHERS
FR — FLASHING RED
FY — FLASHING CIRCULAR YELLOW
FYA — FLASHING YELLOW ARROW
FYL — FLASHING YELLOW LEFT ARROW
FYR — FLASHING YELLOW RIGHT ARROW

IF CALLED, ALL NON-CONFLICTING PHASES SHALL COMBINE AND TIME CONCURRENTLY. TIME TO BE DETERMINED BY THE ENGINEER AT SIGNAL TURN ON AND SET IN THE CONTROLLER BY THE CONTRACTOR.

FLASHING OPERATION

MO 150	FR
ARBORIDGE DRIVE	FR
CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION

INTERSECTION OF
MO 150 & ARBORIDGE DRIVE

D-38A



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