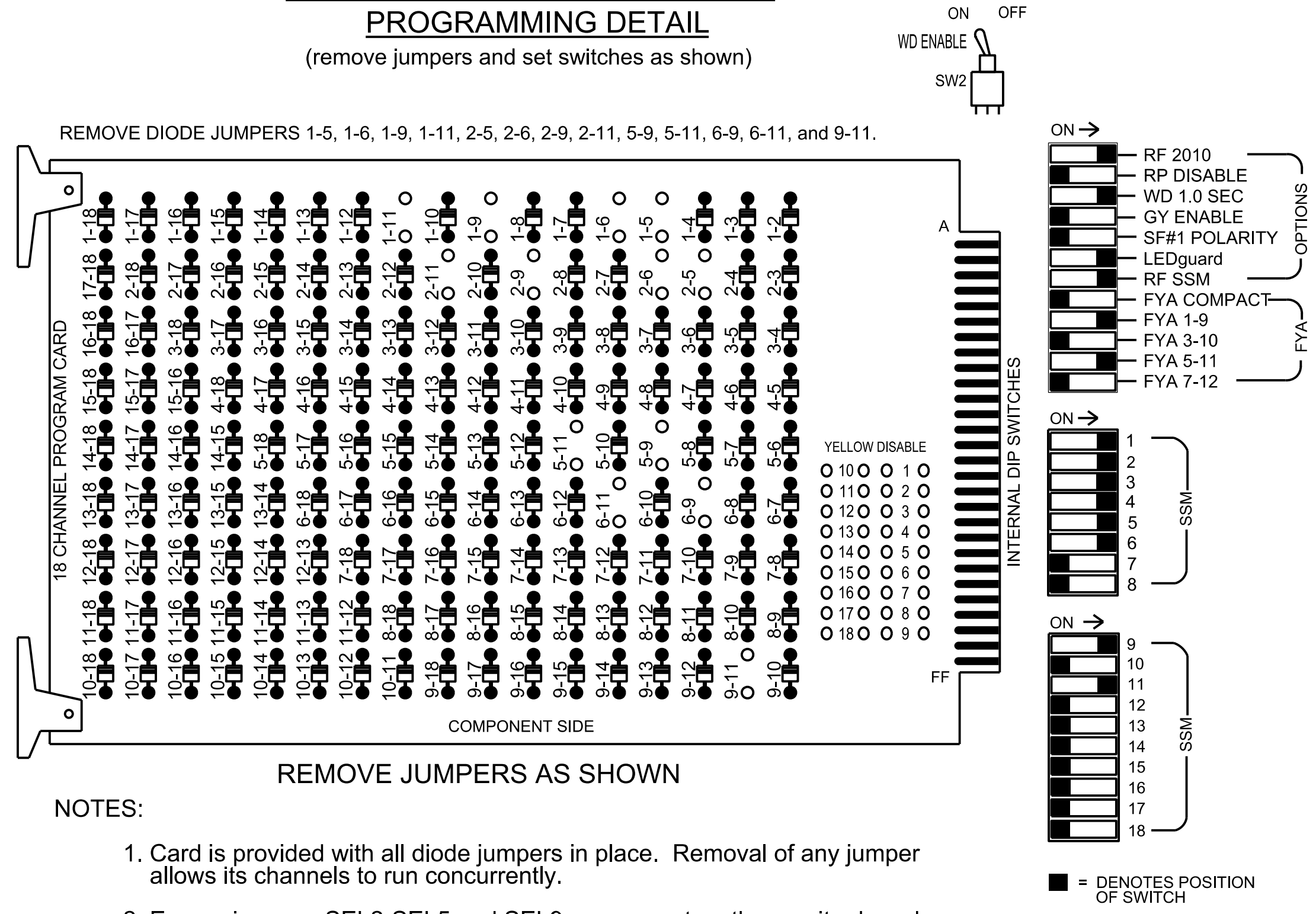


18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL
(remove jumpers and set switches as shown)



- REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 2-5, 2-6, 2-9, 2-11, 5-9, 5-11, 6-9, 6-11, and 9-11.
- REMOVE JUMPERS AS SHOWN
- NOTES:
- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
 - Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
 - Ensure that the Red Enable is active at all times during normal operation.
 - Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all unused vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the signal plan.
- Program controller to start up in phase 2 Green No Walk, 6 Green No Walk, 39 Phase Not On, and 40 Green No Walk.
- Program Phase 39 for No Startup Veh Call.
- Program Phase 40 for Min Recall.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

EQUIPMENT INFORMATION

Controller.....2070LX
 Cabinet.....332 w/ Aux
 Software.....Q-Free MAXTIME
 Cabinet Mount.....Base
 Output File Positions.....18 With Aux. Output File
 Load Switches Used.....S1, S2, S4, S5, S7, S8,
 AUX S1, AUX S4

Phases Used.....1, 2, 3, 4, 5, 6, 39**, 40**
 Overlap "1".....*
 Overlap "2".....NOT USED
 Overlap "3".....*
 Overlap "4".....NOT USED

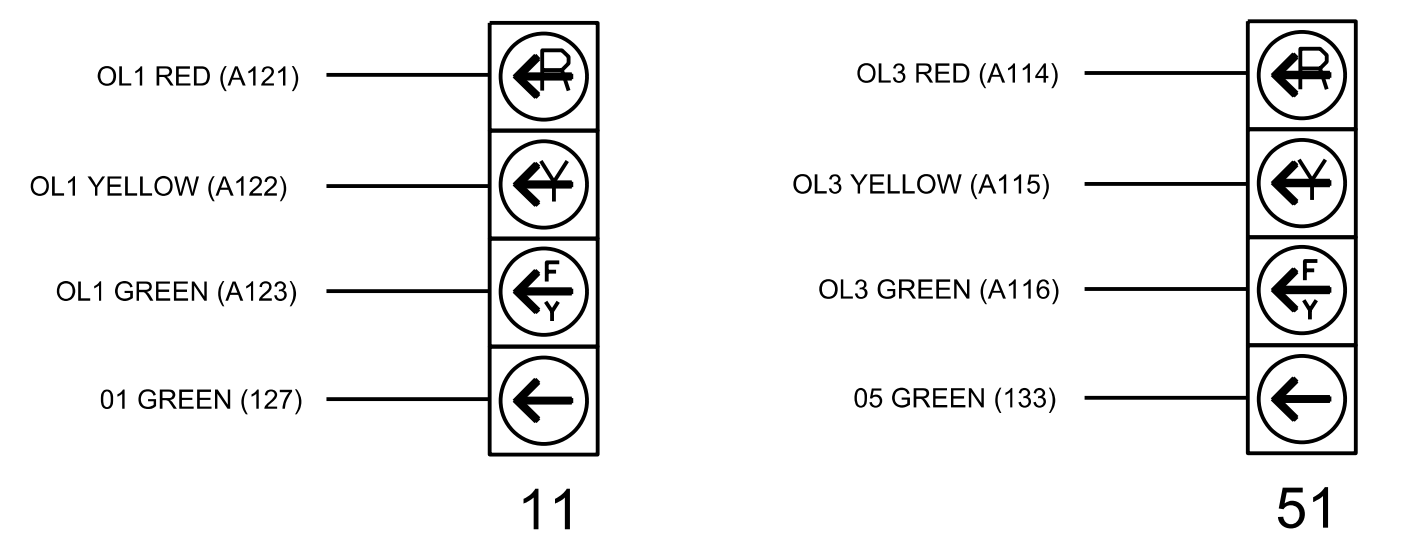
*See overlap programming detail on sheet 2
 **Phase used for preemption timing purposes only

SIGNAL HEAD HOOK-UP CHART

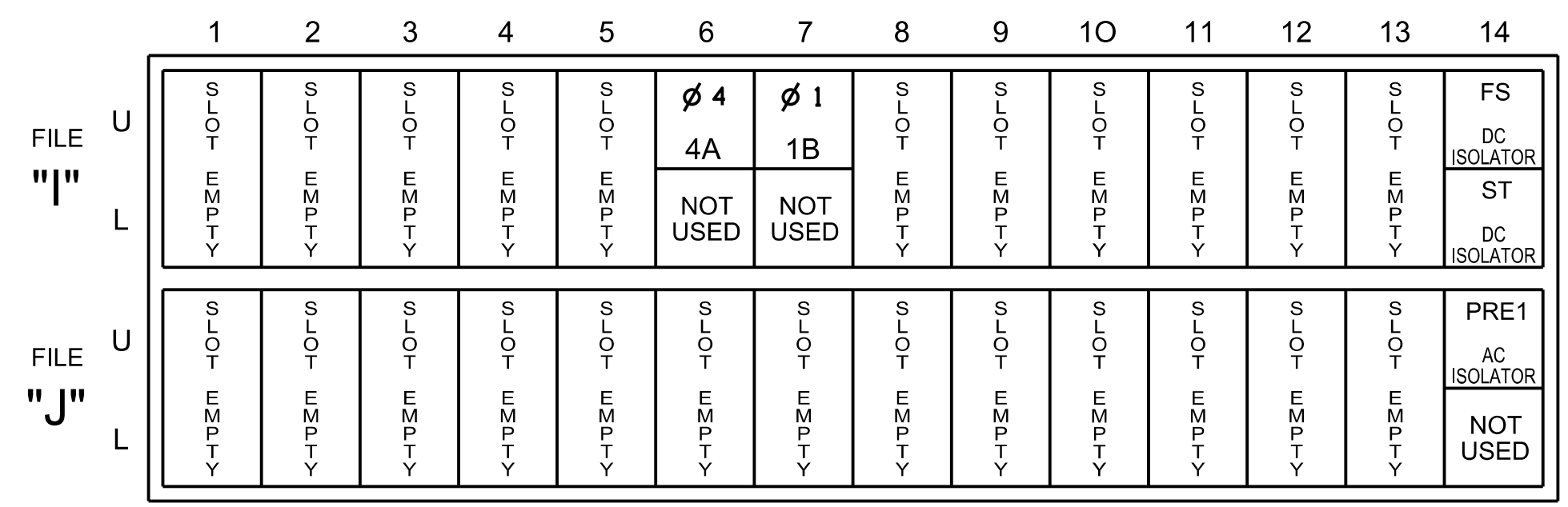
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	11*	42	21,22	NU	32	33	62	41	42,43	NU	33	51*	61,62	NU	NU	NU	NU	11*
RED	*	128		116	116		101	101		*		134						
YELLOW		129		117	117		102	102				135						
GREEN		130		118	118		103	103				136						
RED ARROW																		A121
YELLOW ARROW		126					117					132						A122
FLASHING YELLOW ARROW																		A123
GREEN ARROW	127	127		118	118	103				133	133							A114
Hand icon																		A115
Walking person icon																		A116

NU = Not Used
 *Denotes install load resistor. See load resistor installation detail this sheet.
 **See pictorial of head wiring in detail this sheet.

FYA SIGNAL WIRING DETAIL
(wire signal heads as shown)

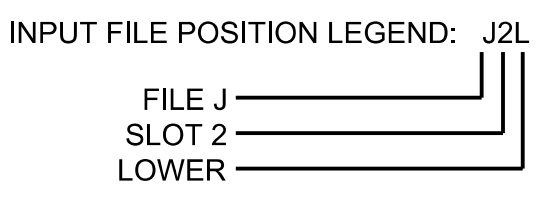


INPUT FILE POSITION LAYOUT
(front view)



INPUT FILE CONNECTION & PROGRAMMING CHART

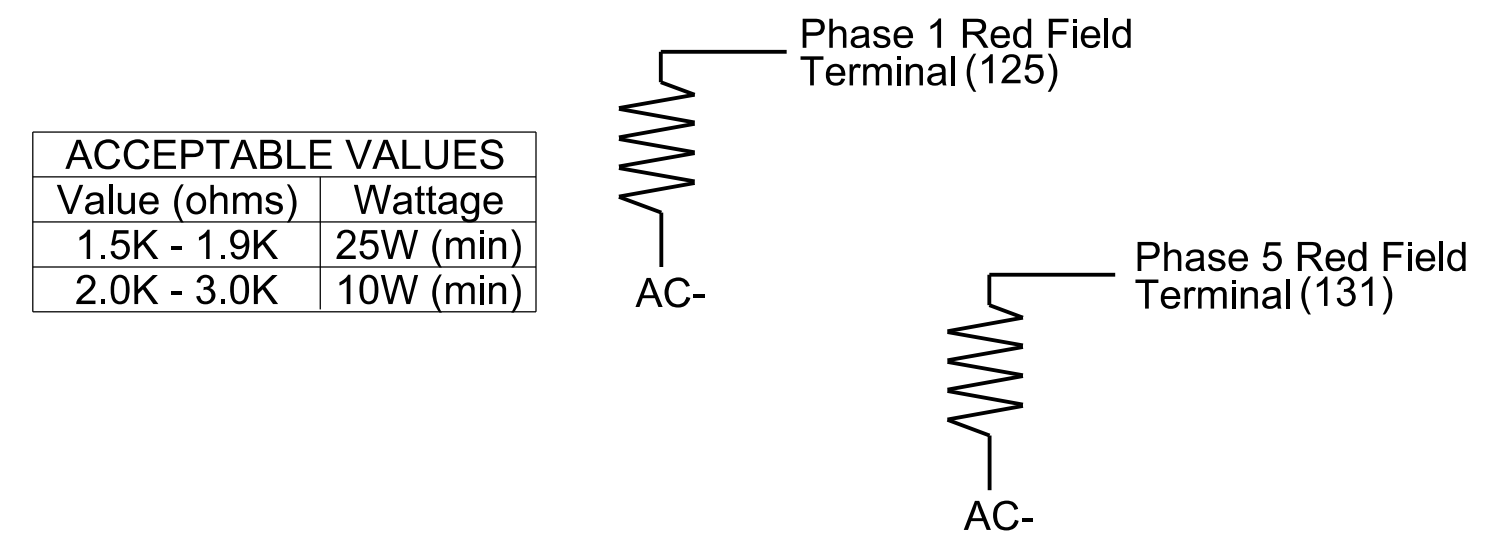
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
1B	TB6-1,2	17U	65	31	10	1	15.0	2.0	X		X	
4A	TB4-9,10	16U	41	3	8	4		2.0	X		X	



SPECIAL DETECTOR NOTES

Install a video detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer -approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

LOAD RESISTOR INSTALLATION DETAIL
(install resistors as shown)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 08-0410T3
 DESIGNED: June 2024
 SEALED: 7/11/2024
 REVISED:

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Electrical Detail - Sheet 1 of 3
 Temporary Design 3 (TMP Phase III)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for:
 NC 211 at SR 1239 (Seven Lakes Drive) and SR 1190 (Lakeway Drive)
 Division 8 Moore County Seven Lakes

PLAN DATE: June 2024 REVIEWED BY: R. Mullinax
 PREPARED BY: LD Stouchko REVIEWED BY:

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 LORI D. STOUCHKO
 LORI D. STOUCHKO

REVISIONS: INIT. DATE

DATE

SIG. INVENTORY NO. 08-0410T3