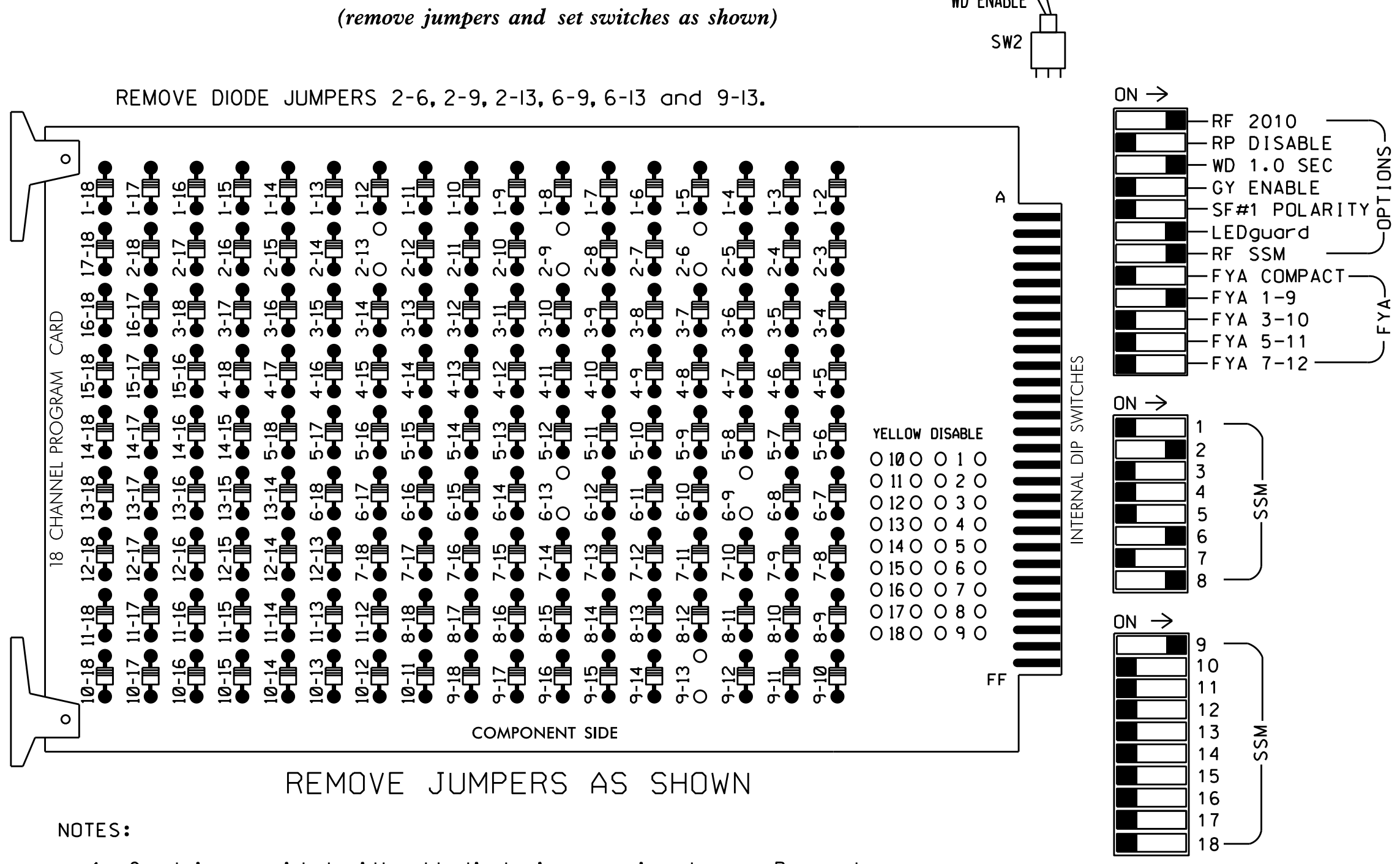


EDI MODEL 2018ECL-NC CONFLICT MONITOR PROGRAMMING DETAIL
(remove jumpers and set switches as shown)



- 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 Red Enable is active at all times during normal operation.
 - 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. Verify that signal heads flash in accordance with the signal plans.
- Program controller to Start Up in phases 2 and 6 green.
- Set power-up flash time to 0 seconds within the controller programming. The conflict monitor will govern startup flash. Ensure STARTUP "RED START" is set to 0 seconds.
- Enable Simultaneous Gap-Out feature for all phases.
- Program all timing information into phase banks 1, 2, and 3 unless otherwise noted.
- Set phase bank 3 maximum limit to 250 seconds for phases used.
- Ensure start up flash phases are coordinated with flash program block assignments.
- Program Startup Ped Call for phase 2.
- Set the Red Revert interval on the controller to 1 second.
- This cabinet and controller are part of the Durham Signal System.

SIGNAL HEAD HOOK-UP CHART

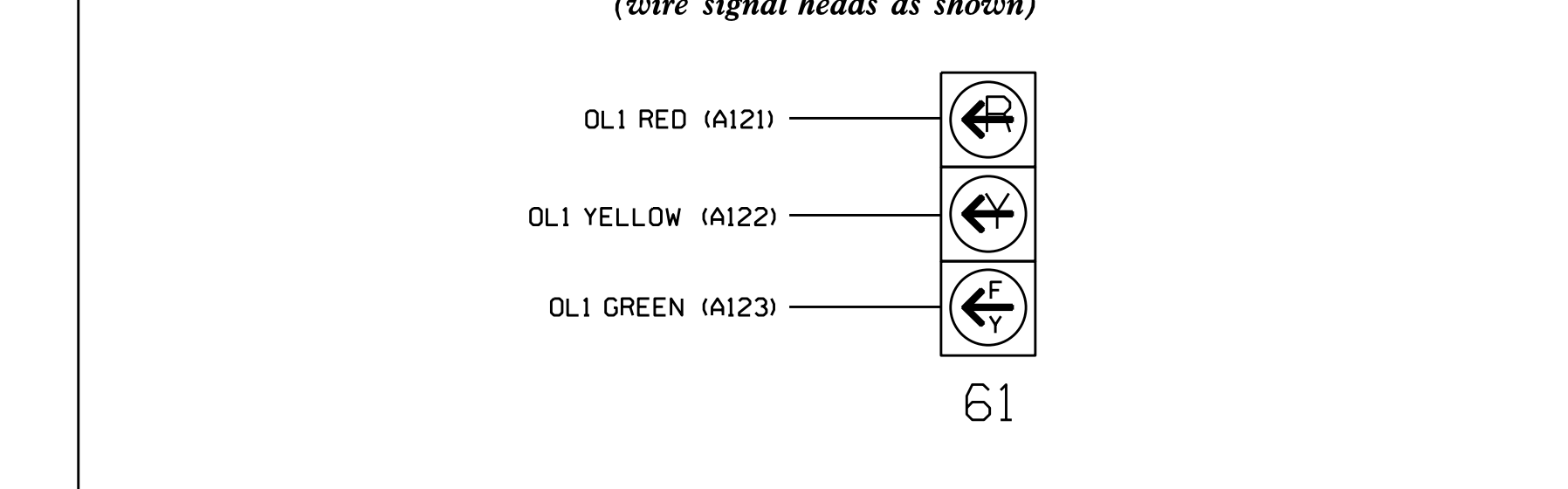
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6	
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18	
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE	
SIGNAL HEAD NO.	NU	22,23	P21, P22	NU	NU	NU	NU	62,63	NU	NU	81,82	NU	61	NU	NU	NU	NU	NU	
RED		128						134			107								
YELLOW		129						135			108								
GREEN		130						136			109								
RED ARROW																		A121	
YELLOW ARROW																			A122
FLASHING YELLOW ARROW																			A123
GREEN ARROW																			
Hand icon																			113
Person icon																			115

NU = Not Used
★ See pictorial of head wiring in detail below.

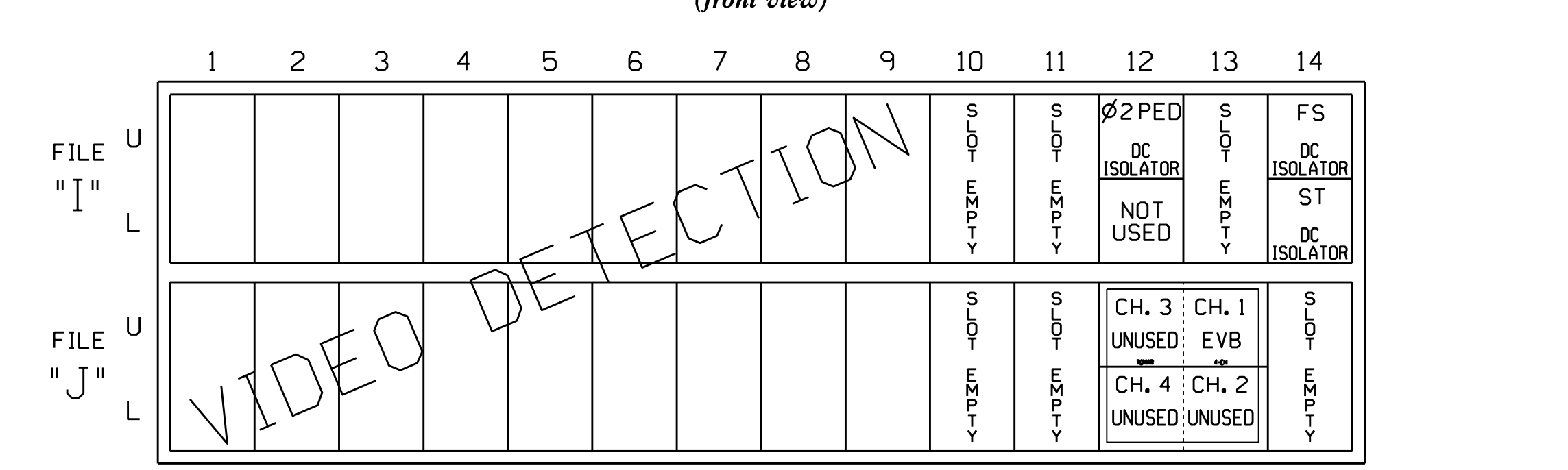
EQUIPMENT INFORMATION

CONTROLLER.....2070E
CABINET.....332 W/ AUX
SOFTWARE.....McCAIN 2033
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...18 WITH AUX FILE
LOAD SWITCHES USED.....S2,S3,S8,S11,AUX S1
PHASES USED.....2,2 PED,6,8
OVERLAP 1.....2+6
OVERLAP 2.....NOT USED
OVERLAP 3.....NOT USED
OVERLAP 4.....NOT USED

FYA SIGNAL WIRING DETAIL
(wire signal heads as shown)



INPUT FILE POSITION LAYOUT
(front view)



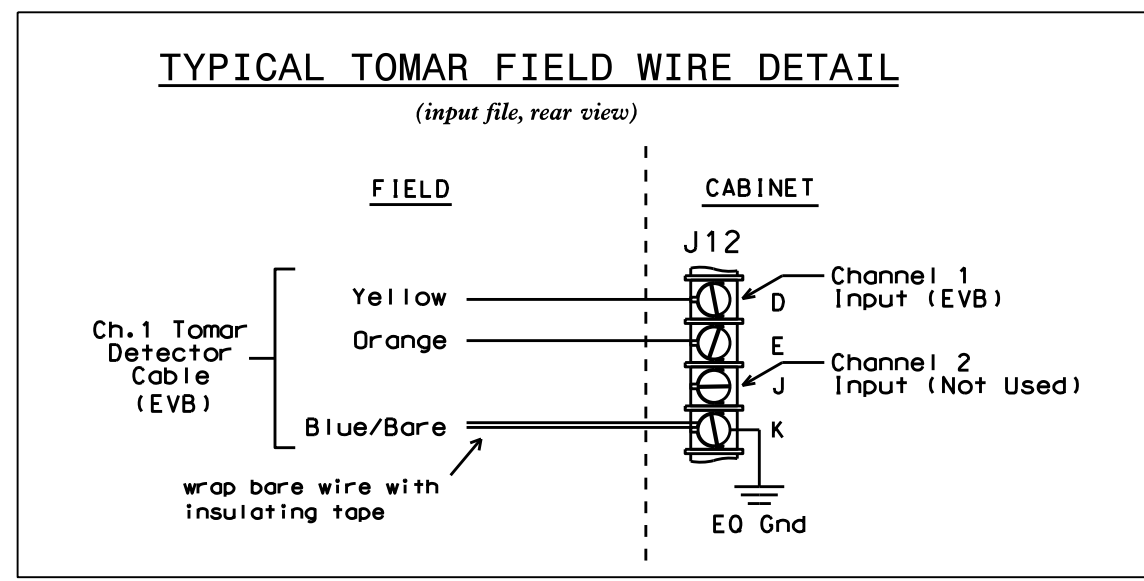
EX.: 1A, 2A, ETC. = LOOP NO.'S
FS = FLASH SENSE
ST = STOP TIME
EVB = EMERGENCY VEHICLE PREEMPT

INPUT FILE CONNECTION & PROGRAMMING CHART

PED PUSH BUTTONS	LOOP TERMINAL	INPUT FILE POS.	DETECTOR NO.	PIN NO.	ATTRIBUTES	NEMA PHASE
P21,P22	TB8-4,6	112U	25	67	2	2 PED

NOTE: INSTALL DC ISOLATOR IN INPUT FILE SLOT 112

- DETECTOR ATTRIBUTES LEGEND: INPUT FILE POSITION LEGEND: J2L
- 1-FULL TIME DELAY
 - 2-PED CALL
 - 3-RESERVED
 - 4-COUNTING
 - 5-EXTENSION
 - 6-TYPE 3
 - 7-CALLING
 - 8-ALTERNATE
- FILE J
SLOT 2
LOWER



4 CHANNEL TOMAR OSP CARD
INSERT CARD INTO SLOT J13

Electrical Detail - Sheet 1 of 2 (Temporary Design 1)

Electrical and Programming Details for: **NC 55 (North Alston Avenue) at Liberty St**

Prepared In the Offices of: **Transporatio Mobility and Safety Solutions**
750 N. Greenfield Pkwy, Garner, NC 27529

Division 5 Durham County Durham
PLAN DATE: November 2014 REVIEWED BY: T. Joyce
PREPARED BY: B. SIMMONS REVIEWED BY:

REVISIONS INIT. DATE

DocuSigned by: **George C. Brown** 4/7/2015
F12061ED08E8434 DATE

SEAL: PROFESSIONAL ENGINEER SEAL 022013
SIC. INVENTORY NO. 05-1029T1

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