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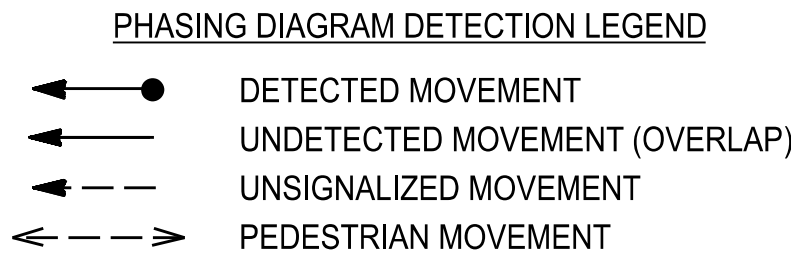
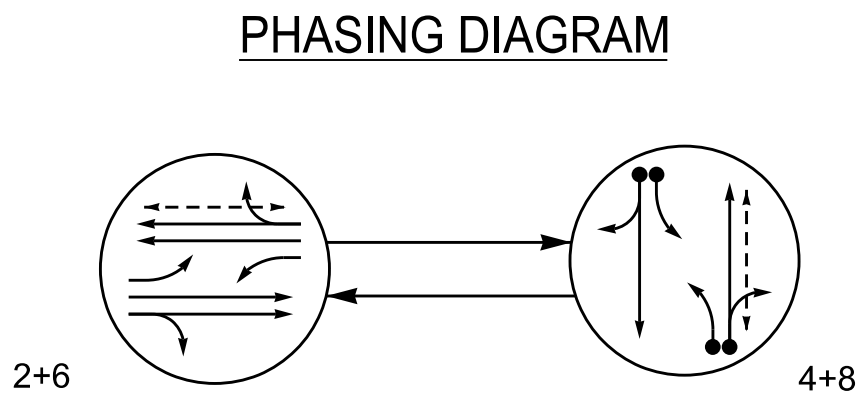
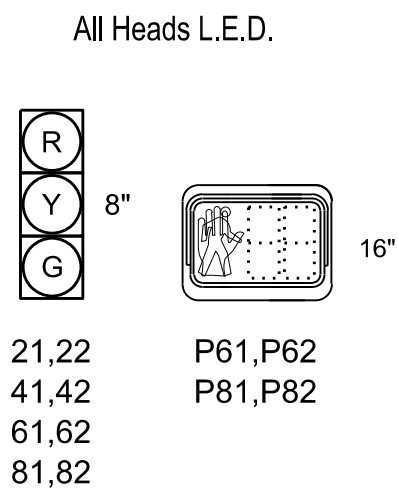


TABLE OF OPERATION				
SIGNAL FACE	2 + 6	4 + 8	FLASHER	
21,22	G	R	R	
41,42	R	G	R	
61,62	G	R	R	
81,82	R	G	R	
P61,P62	W	DW	DRK	
P81,P82	DW	W	DRK	

SIGNAL FACE I.D.

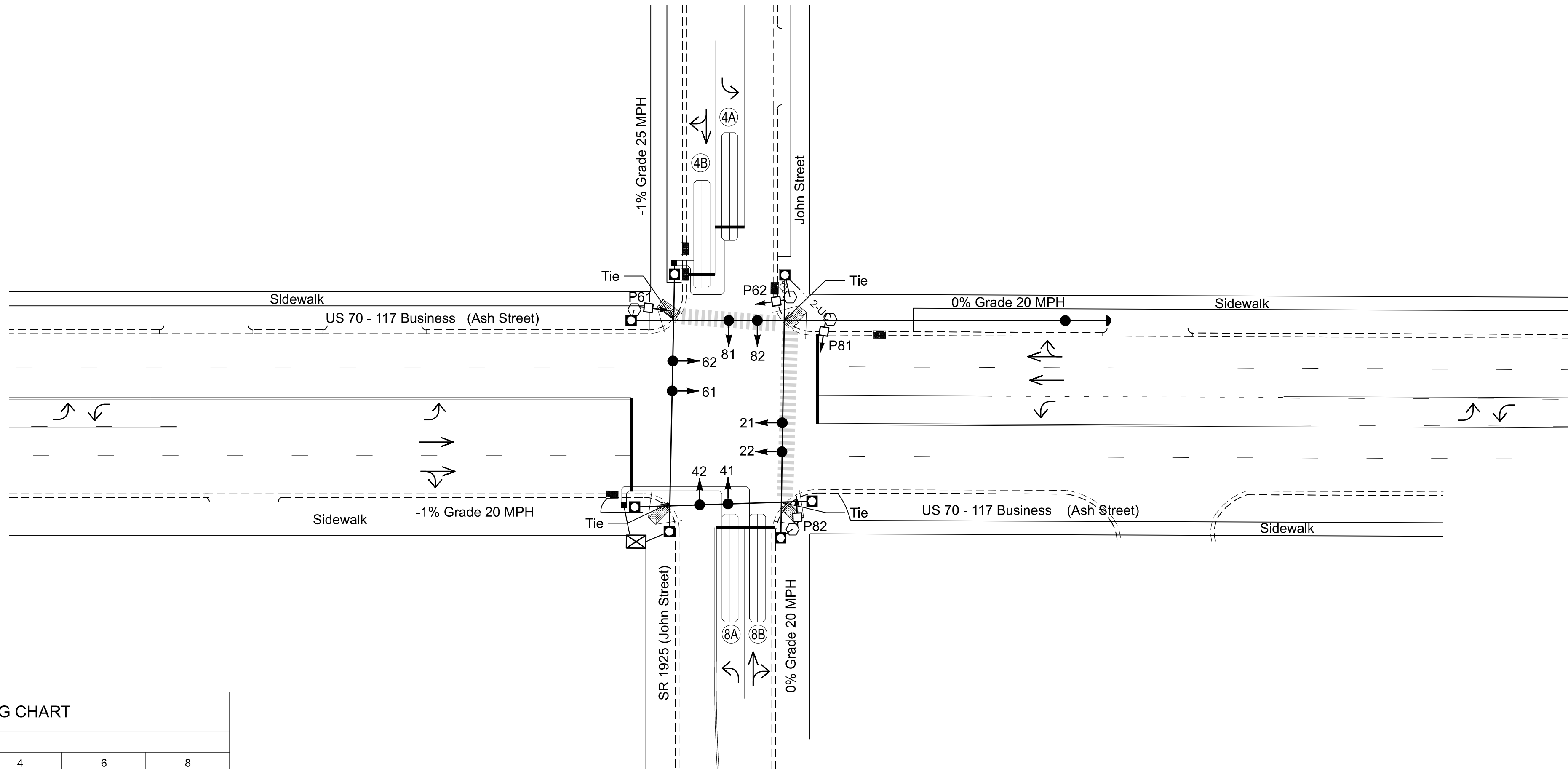


MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR						PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOP LINE (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL DURING GREEN	NEW CARD
4A	6X40	+5	2-4-2	Y	4	-	-	X	-	X	Y
4B	6X40	+5	2-4-2	Y	4	10	-	X	-	X	Y
8A	6X40	+5	2-4-2	Y	8	3	-	X	-	X	Y
8B	6X40	+5	2-4-2	Y	8	10	-	X	-	X	Y

2 Phase
Semi-actuated
Goldsboro System

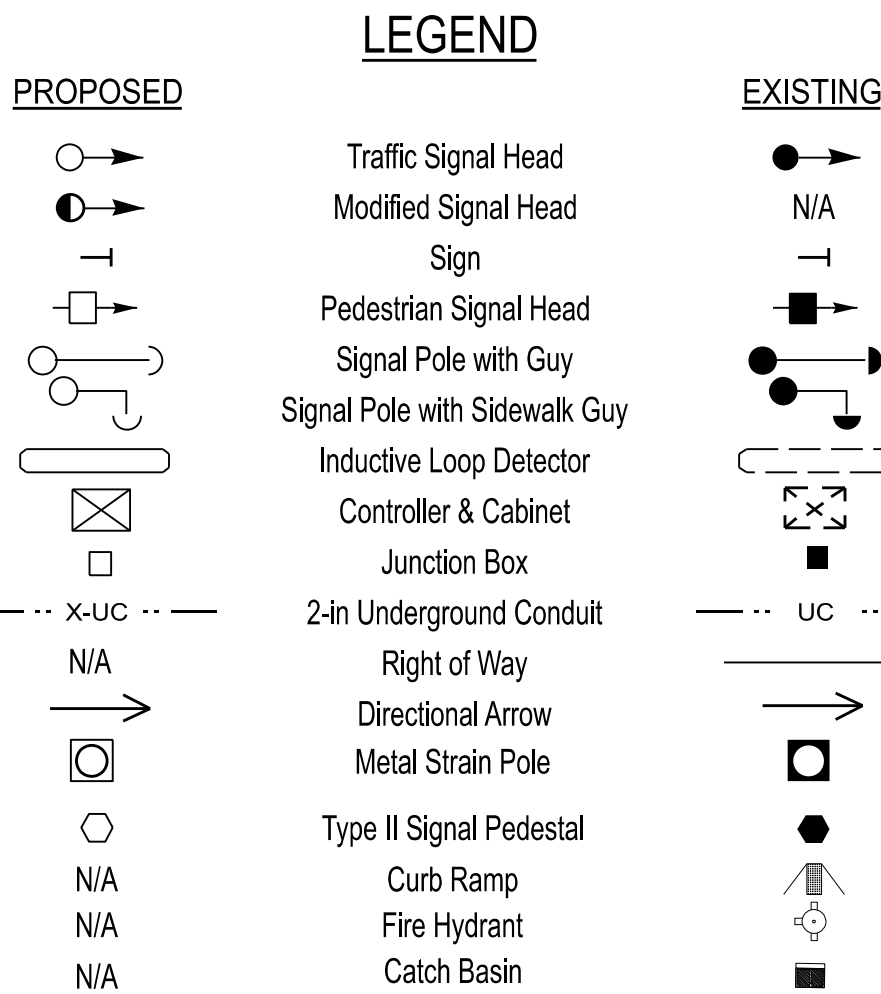
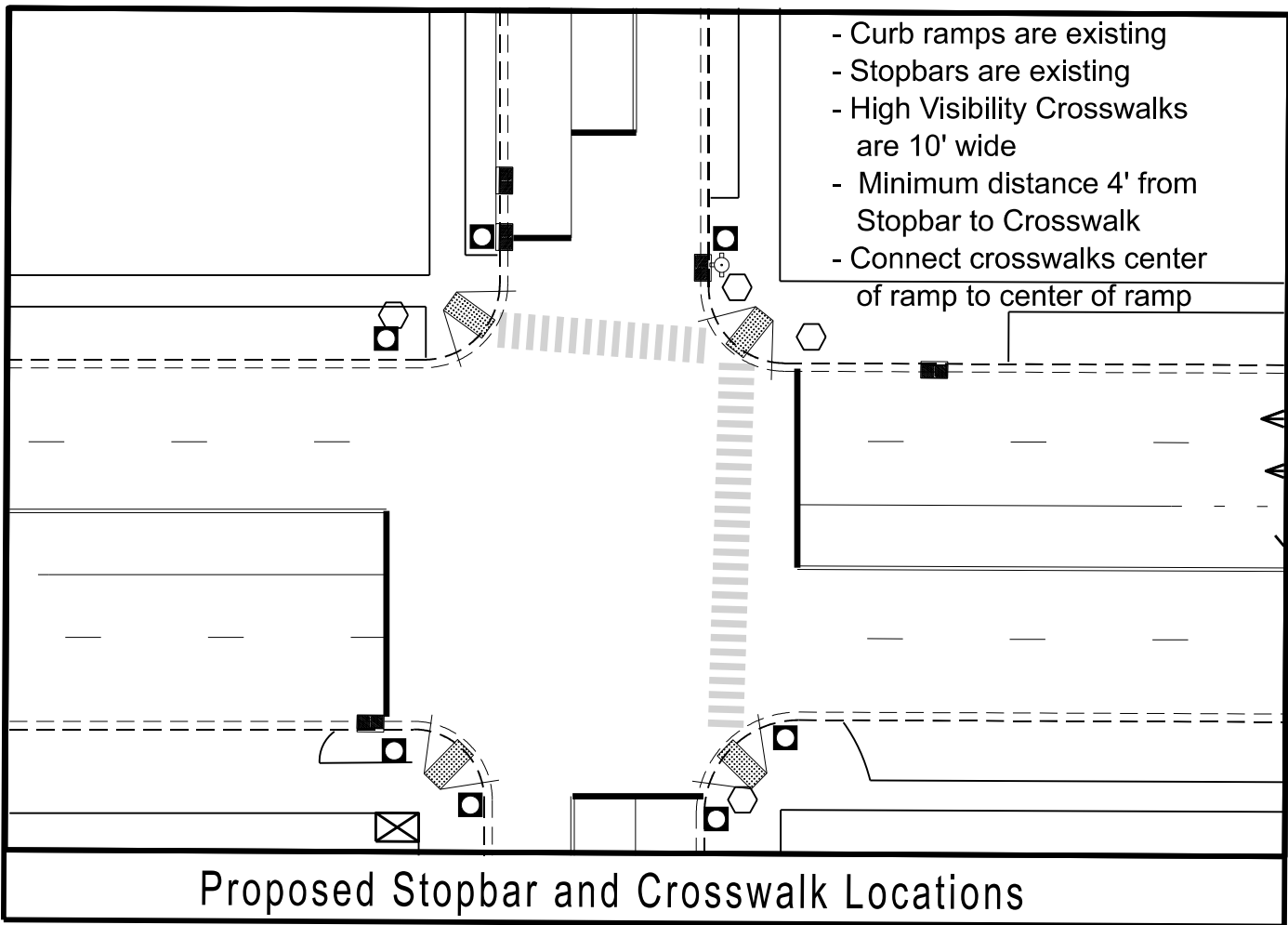
NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



MAXTIME TIMING CHART				
FEATURE	2	4	6	8
Walk *	-	-	12	13
Ped Clear	-	-	9	17
Min Green *	10	7	10	7
Passage *	-	2.0	-	2.0
Max 1 *	35	22	35	22
Yellow Change	3.0	3.2	3.0	3.2
Red Clear	1.9	2.6	1.9	2.6
Added Initial *	-	-	-	-
Maximum Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Advance Walk	-	-	5	6
Non Lock Detector	-	-	-	-
Vehicle Recall	MAX RECALL	-	MAX RECALL	-
Dual Entry	-	X	-	X
Simultaneous Start	X	X	X	X

* These values may be field adjusted. Do not adjust Min Green and Passage times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.



This plan supersedes the plan signed and sealed on 12/10/2024.

Signal Upgrade - Corr. File No. 04-24-73082

Prepared in the Offices of:

Signal Design Section
750 N. Greenfield Pkwy, Garner, NC 27529

US 70 - 117 Business
(Ash Street)
at
SR 1925 (John St) / John St

Division 4
Wayne County
Goldsboro

PLAN DATE: September 2024
REVIEWED BY: BMH

PREPARED BY: KGP, Jr.
REVIEWED BY:

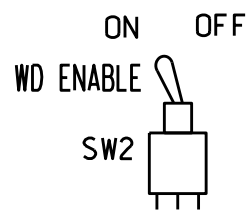
REVISIONS
INIT. DATE

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
047646
Bailey M. Harden
02/06/2025
DATE
SIG. INVENTORY NO. 04-0242

(remove jumpers and set switches as shown)

(remove jumpers and set switches as shown)



NOTES:

- = DENOTES POSITION
OF SWITCH

(front view)



```
FS = FLASH SENSE
ST = STOP TIME
```

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
4A	TB4-9,10	I6U	41	3	8	4			X		X	
4B	TB4-11,12	I6L	45	7	9	4	10		X		X	
8A	TB5-9,10	J6U	42	4	22	8	3		X		X	
8B	TB5-11,12	J6L	46	8	23	8	10		X		X	
PED PUSH BUTTONS												
P61,P62	TB8-7,9	I13U	68	34	6	PED 6						
P81,P82	TB8-8,9	I13L	70	36	8	PED 8						

NOTE:
INSTALL DC ISOLATORS
IN LINE

FILE J _____
SLOT 2 _____
LOWER _____

1. To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the signal plan.

- ## 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.....	S2, S5, S8, S9, S11, S12
Phases Used.....	2, 4, 6, 6PED, 8, 8PED
Overlaps.....	None

Front Panel
Main Menu >Controller >More>Channels>Channels Config

Web Interface
Home >Controller >Advanced IO>Channels>Channel Configuration

Channel	Control Type	Control Source	Flash Yellow	Flash Red	Flash Alt	MMU Channel
1	Phase Vehicle	1		X	X	1
2	Phase Vehicle	2		X		2
3	Phase Vehicle	3		X	X	3
4	Phase Vehicle	4		X		4
5	Phase Vehicle	5		X		5
6	Phase Vehicle	6		X	X	6
7	Phase Vehicle	7		X		7
8	Phase Vehicle	8		X	X	8
9	Overlap	1		X	X	9
10	Overlap	2		X	X	10
11	Overlap	3		X		11
12	Overlap	4		X		12
13	Phase Ped	2				13
14	Phase Ped	4				14
15	Phase Ped	6				15
16	Phase Ped	8				16
17	Overlap	5		X	X	17
18	Overlap	6		X		18

PROJECT REFERENCE NO.	SHEET NO.
HS-2404D	Sig. 1.1

NU = Not Used

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

Front Panel
Main Menu >Controller >Unit

Web Interface
Home >Controller >Unit

Modify parameters as shown below and save changes.

Start Up Parameters

StartUp Clearance Hold
6

Unit Flash Parameters

All Red Flash Exit Time
6

This Plan Supersedes Electrical
Detail Sealed on 12/11/2024

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 04-0242
DESIGNED: September 2024
SEALED: 2/6/2025
REVISED: N/A

**DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED**

Electrical Detail

US 70 - 117 Business (Ash Street) at SR 1925 (John St)/John St	
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PLAN DATE: September 2024	REVIEWED BY:
---------------------------	--------------

PREPARED BY: Zarrar Zafar	REVIEWED BY:
---------------------------	--------------

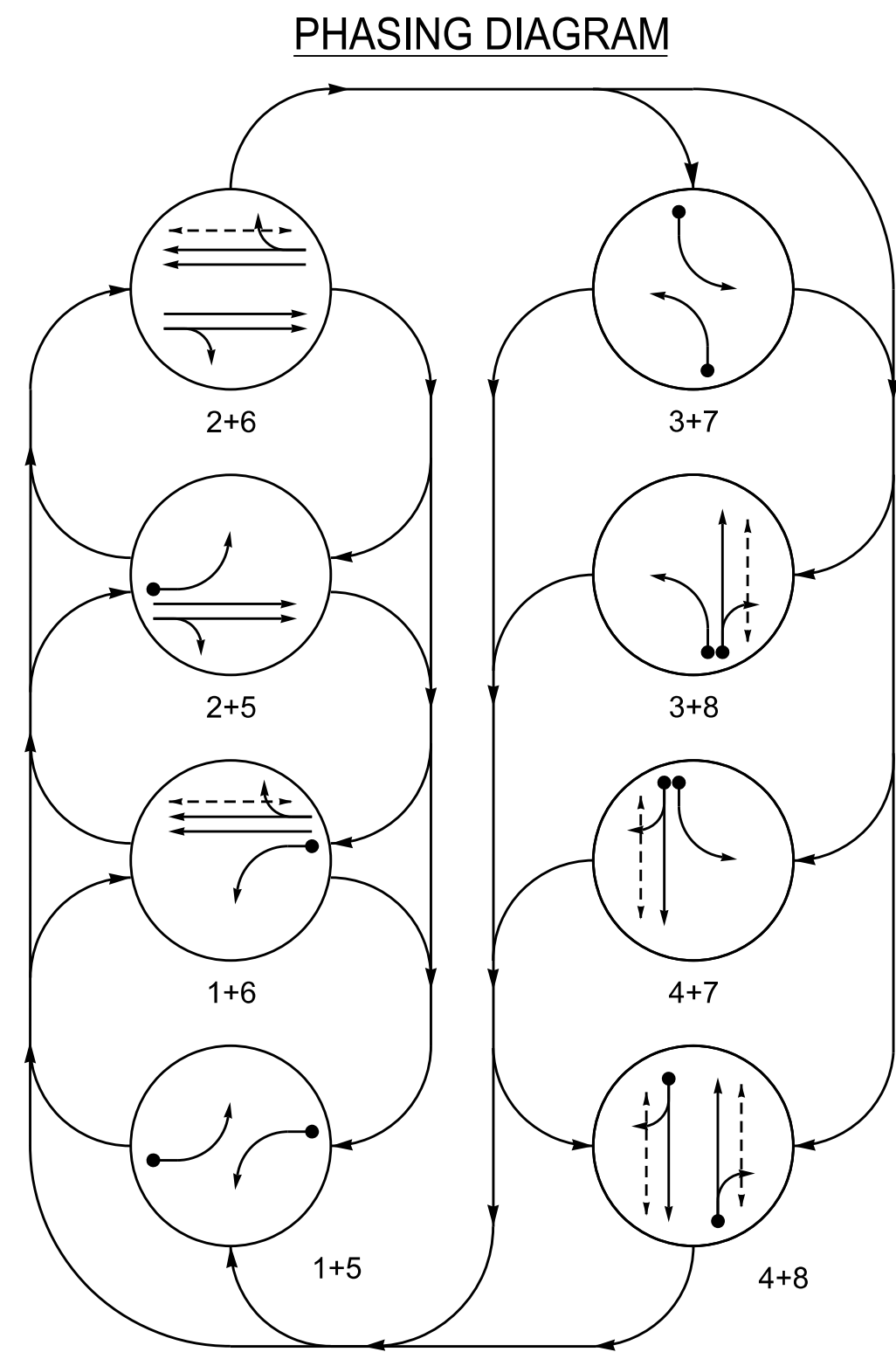
REVISIONS	INIT.	DATE
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DocuSigned by:
03/06/2025

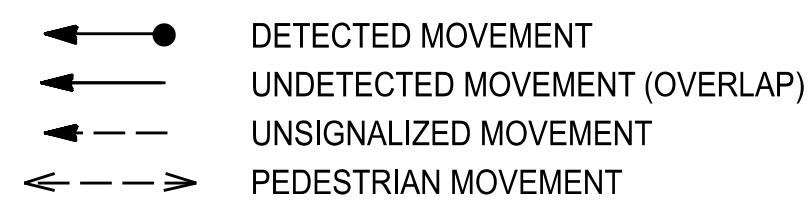
D. Todd Joyce 02/08/2023

SIG. INVENTORY NO. 04-0242

0101 INVENTION NO. 01 CELLE



PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE I.D.

All Heads L.E.D.

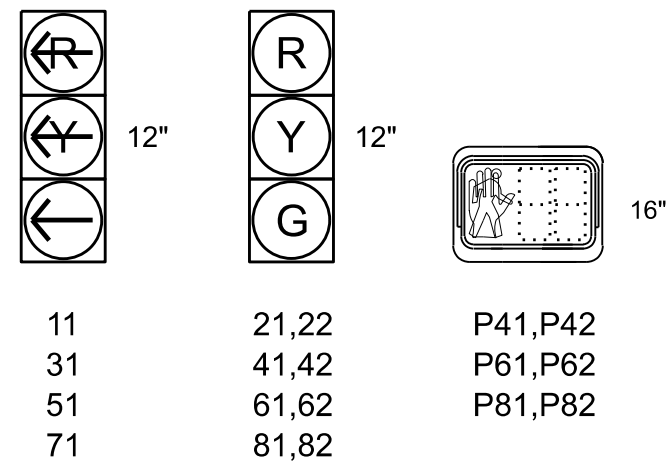


TABLE OF OPERATION

SIGNAL FACE	PHASE								
	1 + 5	1 + 6	2 + 5	2 + 6	3 + 7	3 + 8	4 + 7	4 + 8	F A S H
11	←	←	→	→	→	→	→	→	→
21,22	R	R	G	G	R	R	R	R	R
31	→	→	→	→	←	←	→	→	→
41,42	R	R	R	R	R	R	G	G	R
51	←	→	←	→	→	→	→	→	→
61,62	R	G	R	G	R	R	R	R	R
71	→	→	→	←	←	←	←	←	←
81,82	R	R	R	R	R	G	G	R	R
P41,P42	DW	DW	DW	DW	DW	DW	W	W	DRK
P61,P62	DW	W	DW	W	DW	DW	DW	DW	DRK
P81,P82	DW	DW	DW	DW	DW	W	DW	W	DRK

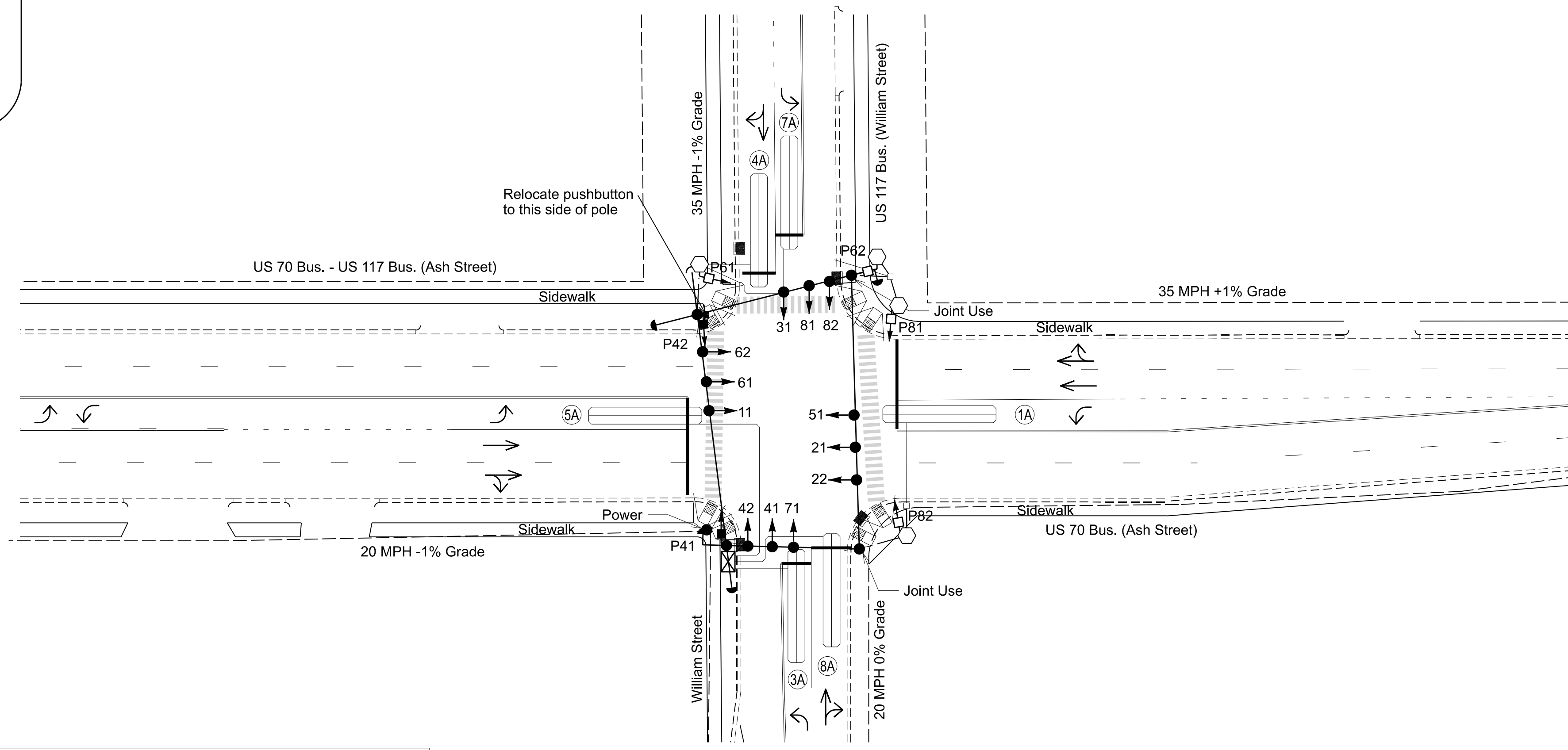
MAXTIME DETECTOR INSTALLATION CHART

DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOP LINE (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL DURING GREEN	NEW CARD
1A	6X40	+5	2-4-2	X	1	3	-	X	-	X	-
3A	6X40	+5	2-4-2	X	3	3	-	X	-	X	-
4A	6X40	+5	2-4-2	X	4	10	-	X	-	X	-
5A	6X40	+5	2-4-2	X	5	3	-	X	-	X	-
7A	6X40	+5	2-4-2	X	7	3	-	X	-	X	-
8A	6X40	+5	2-4-2	X	8	10	-	X	-	X	-

8 Phase Semi-Actuated Goldsboro Signal System

NOTES

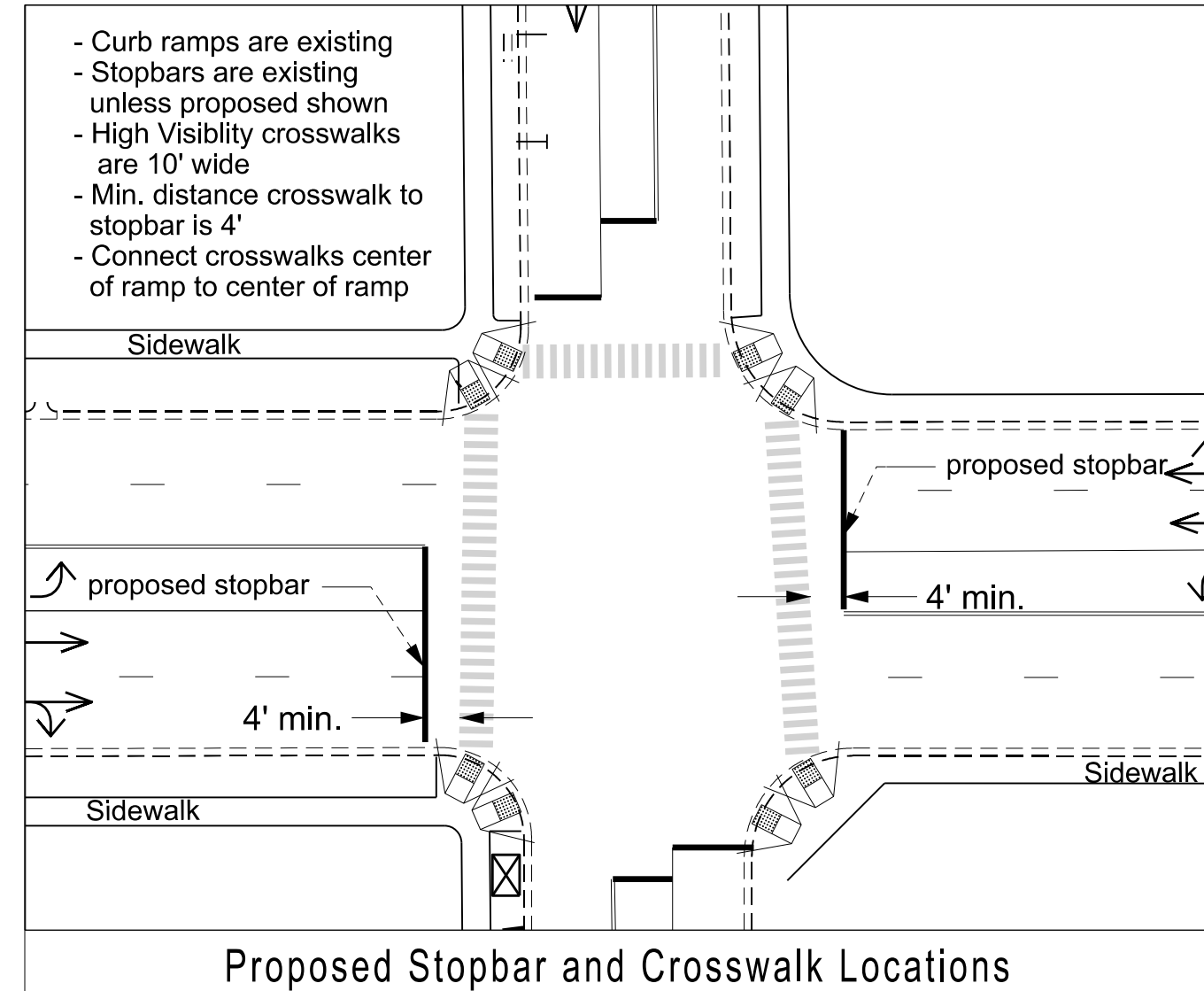
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
5. Set all detector units to presence mode.
6. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
8. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



MAXTIME TIMING CHART

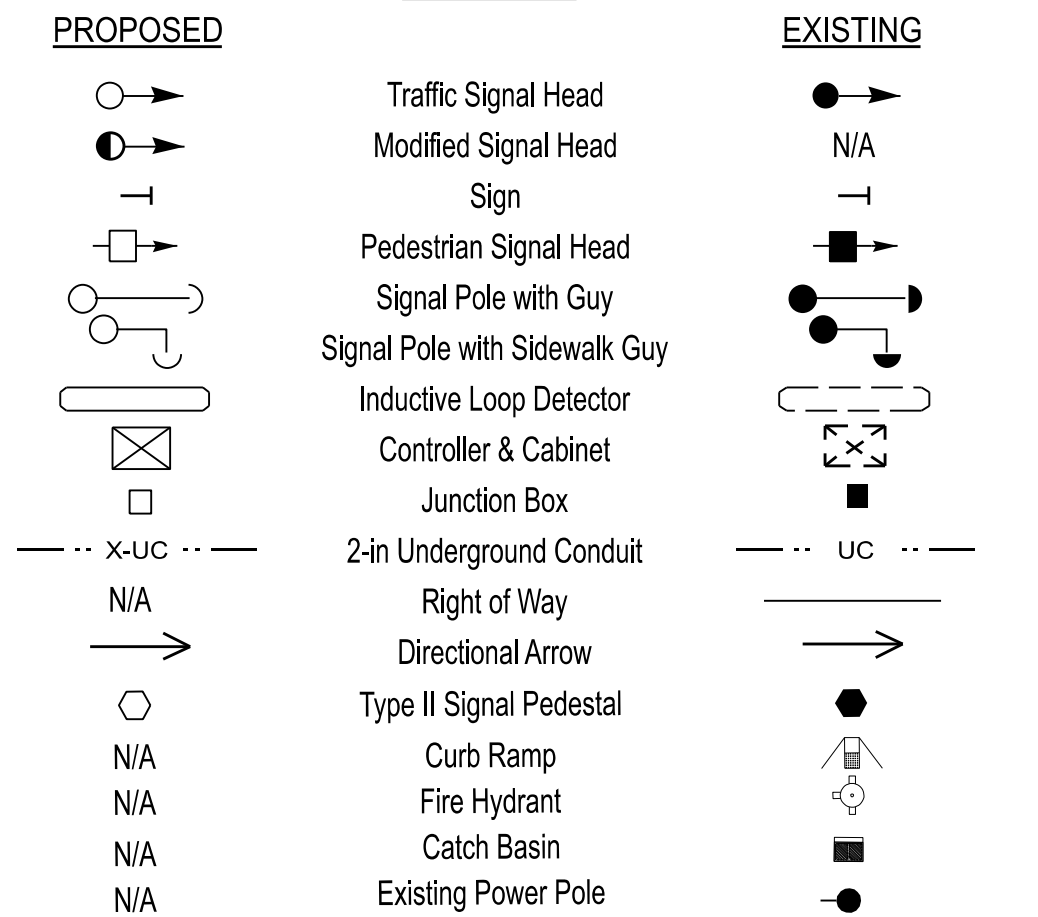
FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Walk *	-	-	-	11	-	12	-	12
Ped Clear	-	-	-	15	-	8	-	15
Min Green *	7	10	7	7	7	10	7	7
Passage *	2.0	-	2.0	2.0	2.0	-	2.0	2.0
Max 1 *	15	35	15	25	15	35	15	25
Yellow Change	3.0	3.8	3.0	3.9	3.0	3.8	3.0	3.9
Red Clear	1.9	2.3	2.3	2.9	2.1	2.3	2.6	2.9
Added Initial *	-	-	-	-	-	-	-	-
Maximum Initial *	-	-	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-	-	-
Advance Walk	-	-	-	4	-	5	-	5
Non Lock Detector	X	X	X	X	X	X	X	X
Vehicle Recall	-	MAX RECALL	-	-	-	MAX RECALL	-	-
Dual Entry	-	-	-	-	-	-	-	-

* These values may be field adjusted. Do not adjust Min Green and Passage times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.



This plan supersedes the plan signed and sealed on 12/10/2024.

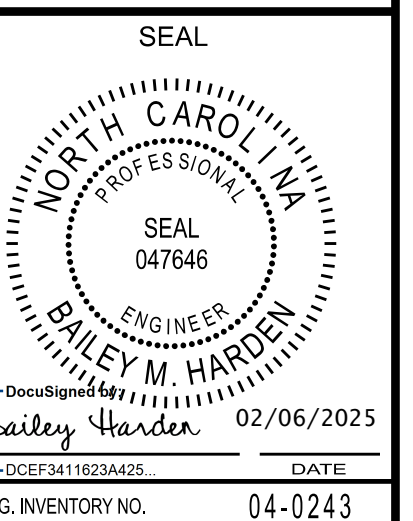
LEGEND



Signal Upgrade - Corr. File No. 04-24-73082

[illegible]

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

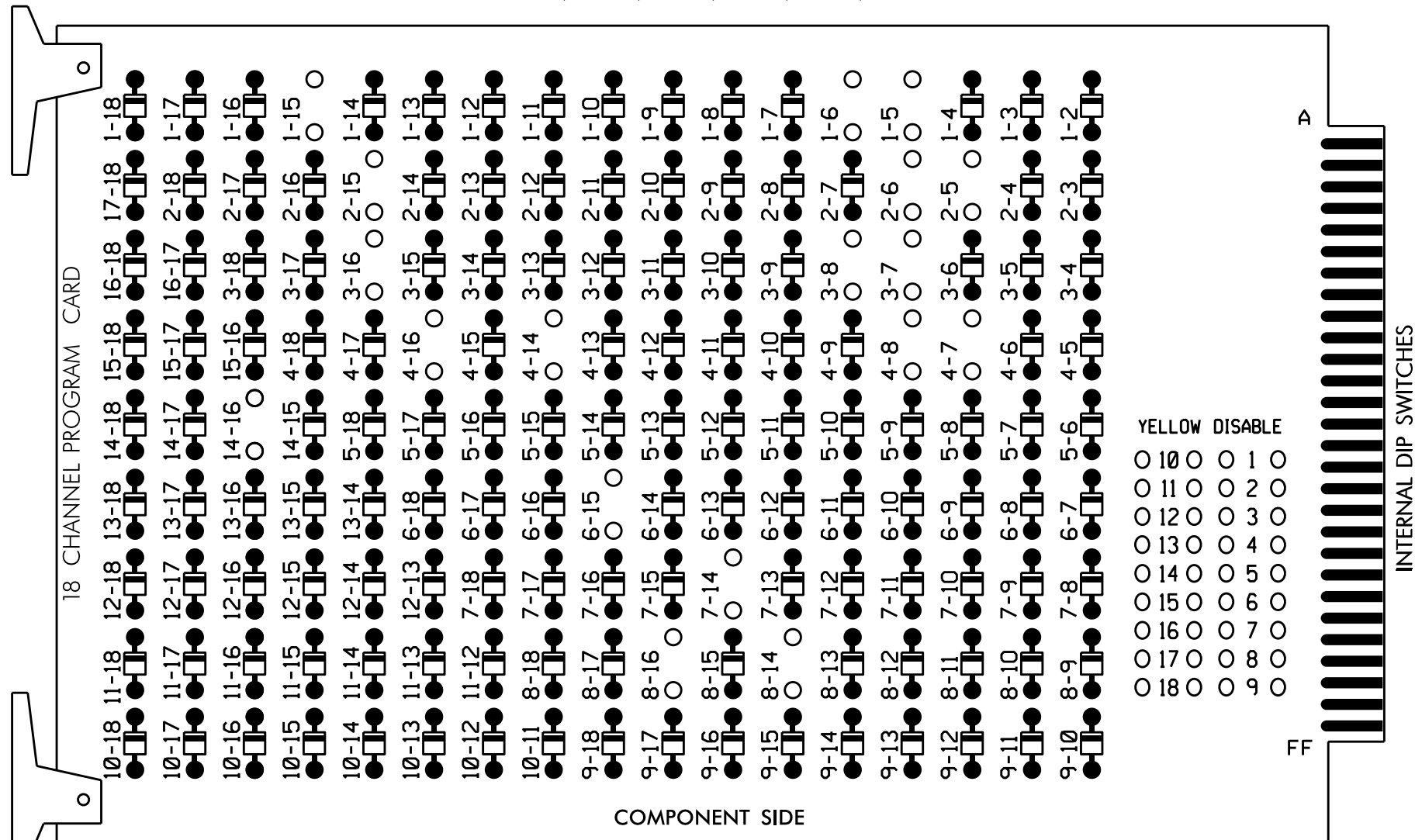


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ZZZfor

18 CHANNEL CONFLICT MONITOR PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

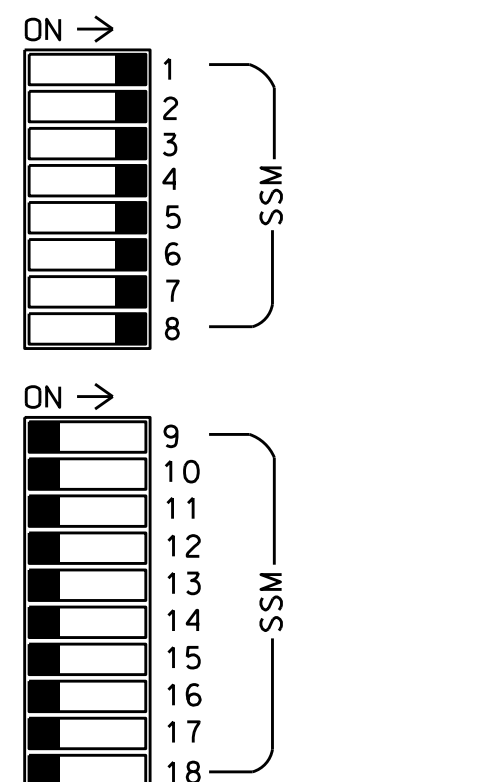
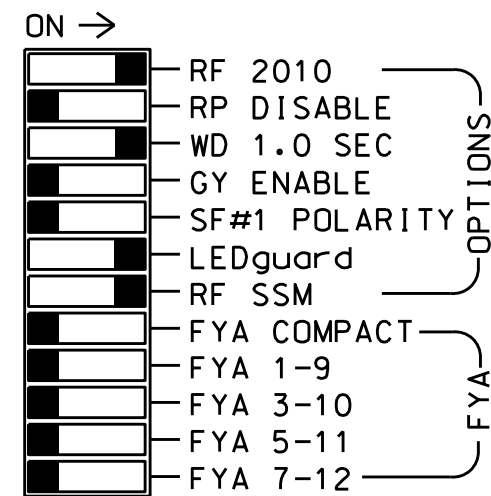
REMOVE DIODE JUMPERS 1-5, 1-6, 1-15, 2-5, 2-6, 2-15, 3-7, 3-8, 3-16, 4-7, 4-8,
4-14, 4-16, 6-15, 7-14, 8-14, 8-16 and 14-16.



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 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.



■ = DENOTES POSITION OF SWITCH

NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all 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 and 6 Green No Walk.
- The cabinet and controller are part of the Goldsboro Signal System.

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, S6, S7, S8, S9,
S10, S11, S12
Phases Used.....1, 2, 3, 4, 4 PED, 5, 6, 6PED, 7,
8, 8PED
Overlaps.....None

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	21,22	NU	31	41,42	P41, P42	51	61,62	P61, P62	71	81,82	P81, P82	NU	NU	NU	NU	NU	NU
RED		128			101			134			107							
YELLOW		129			102			135			108							
GREEN		130			103			136			109							
RED ARROW	125			116			131			122								
YELLOW ARROW	126			117			132			123								
FLASHING YELLOW ARROW																		
GREEN ARROW	127			118			133			124								
Hand icon						104			119			110						
Walking person icon						106			121			112						

NU = Not Used

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

INPUT FILE POSITION LAYOUT

(front view)

FILE	U	1	2	3	4	5	6	7	8	9	10	11	12	13	14
"I"	U	Ø 1	Ø 2	Ø 3	Ø 4	Ø 5	Ø 6	Ø 7	Ø 8	Ø 9	Ø 10	Ø 11	Ø 12	Ø 13	Ø 14
	L	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
"J"	U	Ø 5	Ø 6	Ø 7	Ø 8	Ø 9	Ø 10	Ø 11	Ø 12	Ø 13	Ø 14	Ø 15	Ø 16	Ø 17	Ø 18
	L	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED

EX. : 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

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
1A	TB2-1,2	I1U	56	18	1	1	3		X		X	
3A	TB4-5,6	I5U	58	20	7	3	3		X		X	
4A	TB4-9,10	I6U	41	3	8	4	10		X		X	
5A	TB3-1,2	J1U	55	17	15	5	3		X		X	
7A	TB5-5,6	J5U	57	19	21	7	3		X		X	
8A	TB5-9,10	J6U	42	4	22	8	10		X		X	
PED PUSH BUTTONS												
P41,P42	TB8-5,6	I12L	69	35	4	PED 4						
P61,P62	TB8-7,9	I13U	68	34	6	PED 6						
P81,P82	TB8-8,9	I13L	70	36	8	PED 8						

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOTS 112 AND 113.

INPUT FILE POSITION LEGEND: J2L

FILE J
SLOT 2
LOWER

OUTPUT CHANNEL CONFIGURATION

Front Panel

Main Menu >Controller >More>Channels>Channels Config

Web Interface

Home >Controller >Advanced IO>Channels>Channel Configuration

Channel Configuration

Channel	Control Type	Control Source	Flash Yellow	Flash Red	Flash Alt	MMU Channel
1	Phase Vehicle	1		X	X	1
2	Phase Vehicle	2		X		2
3	Phase Vehicle	3		X	X	3
4	Phase Vehicle	4		X		4
5	Phase Vehicle	5		X		5
6	Phase Vehicle	6		X	X	6
7	Phase Vehicle	7		X		7
8	Phase Vehicle	8		X	X	8
9	Overlap	1		X	X	9
10	Overlap	2		X	X	10
11	Overlap	3		X		11
12	Overlap	4		X		12
13	Phase Ped	2				13
14	Phase Ped	4				14
15	Phase Ped	6				15
16	Phase Ped	8				16
17	Overlap	5		X	X	17
18	Overlap	6		X		18

MAXTIME STARTUP AND SOFTWARE FLASH PROGRAMMING DETAIL

Front Panel

Main Menu >Controller >Unit

Web Interface

Home >Controller >Unit

Modify parameters as shown below and save changes.

Start Up Parameters

StartUp Clearance Hold
6

Unit Flash Parameters

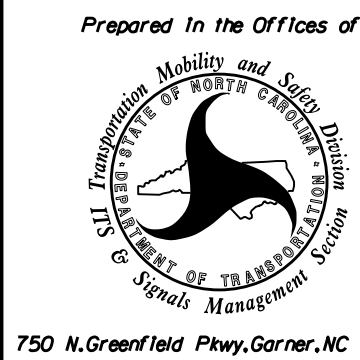
All Red Flash Exit Time
6

This Plan Supersedes Electrical
Detail Sealed on 12/11/2024

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 04-0243
DESIGNED: September 2024
SEALED: 2/6/2025
REVISED: N/A

Electrical Detail

ELECTRICAL AND PROGRAMMING
DETAILS FOR:



US 70 Bus. - US 117 Bus.
(Ash St.)
at US 117 Bus.
(William St.)/William St.

Division 4 Wayne County Goldsboro

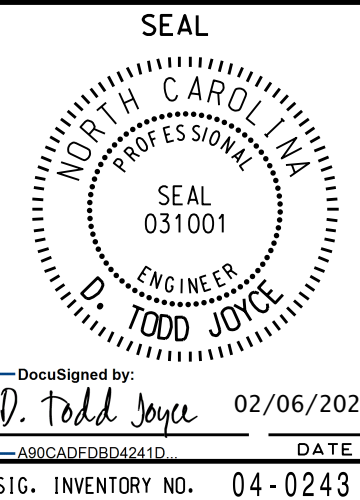
PLAN DATE: September 2024 REVIEWED BY:

PREPARED BY: Zarrar Zafar REVIEWED BY:

REVISIONS INIT. DATE

DATE

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED



DocuSigned by:
D. Todd Joyce 02/06/2025

DATE

SIG. INVENTORY NO. 04-0243

- 1

INSTALL COAX CABLE
- 2

INSTALL ETHERNET CABLE
- 3

EXISTING ETHERNET (OR COAX) CABLE
- 4

INSTALL SMFO CABLE
- 5

EXISTING SMFO CABLE
- 6

INSTALL FIBER OPTIC DROP CABLE
- 7

INSTALL TRACER WIRE
- 8

TRENCH
- 9

INSTALL PVC CONDUIT
- 10

INSTALL RIGID, GALVANIZED STEEL CONDUIT
- 11

INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD
- 12

INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL
- 13

INSTALL OUTER-DUCT POLYETHYLENE CONDUIT
- 14

INSTALL POLYETHYLENE CONDUIT
- 15

DIRECTIONAL DRILL CONDUIT
- 16

BORE AND JACK CONDUIT
- 17

INSTALL CABLE(S) IN EXISTING CONDUIT
- 18

INSTALL CABLE(S) IN NEW CONDUIT
- 19

INSTALL CABLE(S) IN EXISTING RISER
- 20

INSTALL CABLE(S) IN NEW RISER
- 21

INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS
- 22

INSTALL NEW CONDUIT INTO EXISTING CABINET BASE
(USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)
- 23

INSTALL NEW RISER INTO EXISTING CABINET BASE
(USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)
- 24

INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET
- 25

INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET
- 26

INSTALL NEW ETHERNET EDGE SWITCH
- 27

INSTALL NEW FIBER OPTIC TRANSCEIVER
- 28

INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS
AND FUSION SPLICE CABLE IN CABINET
- 29

INSTALL UNDERGROUND SPLICE ENCLOSURE
- 30

INSTALL AERIAL SPLICE ENCLOSURE
- 31

MODIFY EXISTING INTERCONNECT CENTER / SPLICE ENCLOSURE
- 32

INSTALL POLE MOUNTED SPLICE CABINET
- 33

INSTALL BASE MOUNTED SPLICE CABINET

- 34

INSTALL CABINET FOUNDATION
- 35

INSTALL CCTV CAMERA POLE MOUNTED CABINET
- 36

INSTALL CCTV CAMERA ASSEMBLY
- 37

INSTALL CCTV CAMERA WOOD POLE
- 38

INSTALL CCTV CAMERA METAL POLE AND FOUNDATION
- 39

INSTALL JUNCTION BOX
- 40A

INSTALL OVERSIZED JUNCTION BOX
- 40B

INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")
- 41

REMOVE EXISTING JUNCTION BOX
- 42

INSTALL WOOD POLE
- 43

REMOVE EXISTING WOOD POLE
- 44

INSTALL AERIAL GUY ASSEMBLY
- 45

INSTALL STANDARD GUY ASSEMBLY
- 46

INSTALL SIDEWALK GUY ASSEMBLY
- 47

INSTALL MESSENGER CABLE
- 48A

REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE
- 48B

REMOVE EXISTING COMMUNICATIONS CABLE
- 49

BACK PULL EXISTING COMMUNICATIONS CABLE
- 50

INSTALL CELL MODEM AND ANTENNA
- 51

INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE
100 FEET OF CABLE
- 52A

INSTALL DELINEATOR MARKER
- 52B

INSTALL JUNCTION BOX MARKER
- 53A

STORE 20 FEET OF COMMUNICATIONS CABLE
- 53B

STORE 50 FEET OF EACH COMMUNICATIONS CABLE
- 54

LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE
- 55

LASH CABLE(S) TO EXISTING MESSENGER CABLE
- 56

LASH CABLE(S) TO NEW MESSENGER CABLE
- 57

MODIFY EXISTING ELECTRICAL SERVICE
- 58

INSTALL NEW ELECTRICAL SERVICE
- 59

INSTALL NEW EQUIPMENT CABINET DISCONNECT
- 60

BOND TRACER WIRE TO EQUIPMENT
GROUND BUS
DO NOT BOND TRACER WIRE TO
EQUIPMENT GROUND BUS
BOND RISER AND MESSENGER CABLE
TO POLE GROUND
- 61

DO NOT BOND TRACER WIRE TO
EQUIPMENT GROUND BUS
- 62

BOND RISER AND MESSENGER CABLE
TO POLE GROUND
- 63

BOND RISER TO POLE GROUND
- 64

BOND MESSENGER CABLE TO POLE GROUND
- 65

INSTALL HEAT SHRINK TUBING RETROFIT KIT
- 66

INSTALL MOLDABLE DUCT SEAL
- 67

SLACK SPAN

<u>LEGEND</u>		
	FO	 NEW FIBER OPTIC COMMUNICATIONS CABLE
	EXI	EXISTING COMMUNICATIONS CABLE
	REM	EXISTING COMMUNICATIONS CABLE TO BE REMOVED
		NEW AERIAL GUY ASSEMBLY
		NEW CONDUIT
		EXISTING CONDUIT
	DD	 NEW DIRECTIONAL DRILLED CONDUIT

NEW		EXISTING	
	OVERSIZED JUNCTION BOX		
	WOOD POLE		
	AERIAL SPLICE ENCLOSURE		
	UNDERGROUND SPLICE ENCLOSURE		
	METAL POLE		
	CCTV ASSEMBLY		
	STANDARD GUY ASSEMBLY		
	SIDEWALK GUY ASSEMBLY		
	CABLE STORAGE RACKS (SNOW SHOES)		
	SIGNAL/EQUIPMENT CABINET		
	SPLICE CABINET		
	FLAT PANEL ANTENNA (SINGLE)		
	YAGI ANTENNA (DOUBLE) FOR REPEATER OPERATION		
	YAGI ANTENNA (SINGLE)		
	OMNI ANTENNA		
SP	SIGNAL POLE	SP	
XX-XXXX	SIGNAL INVENTORY NUMBER	XX-XXXX	

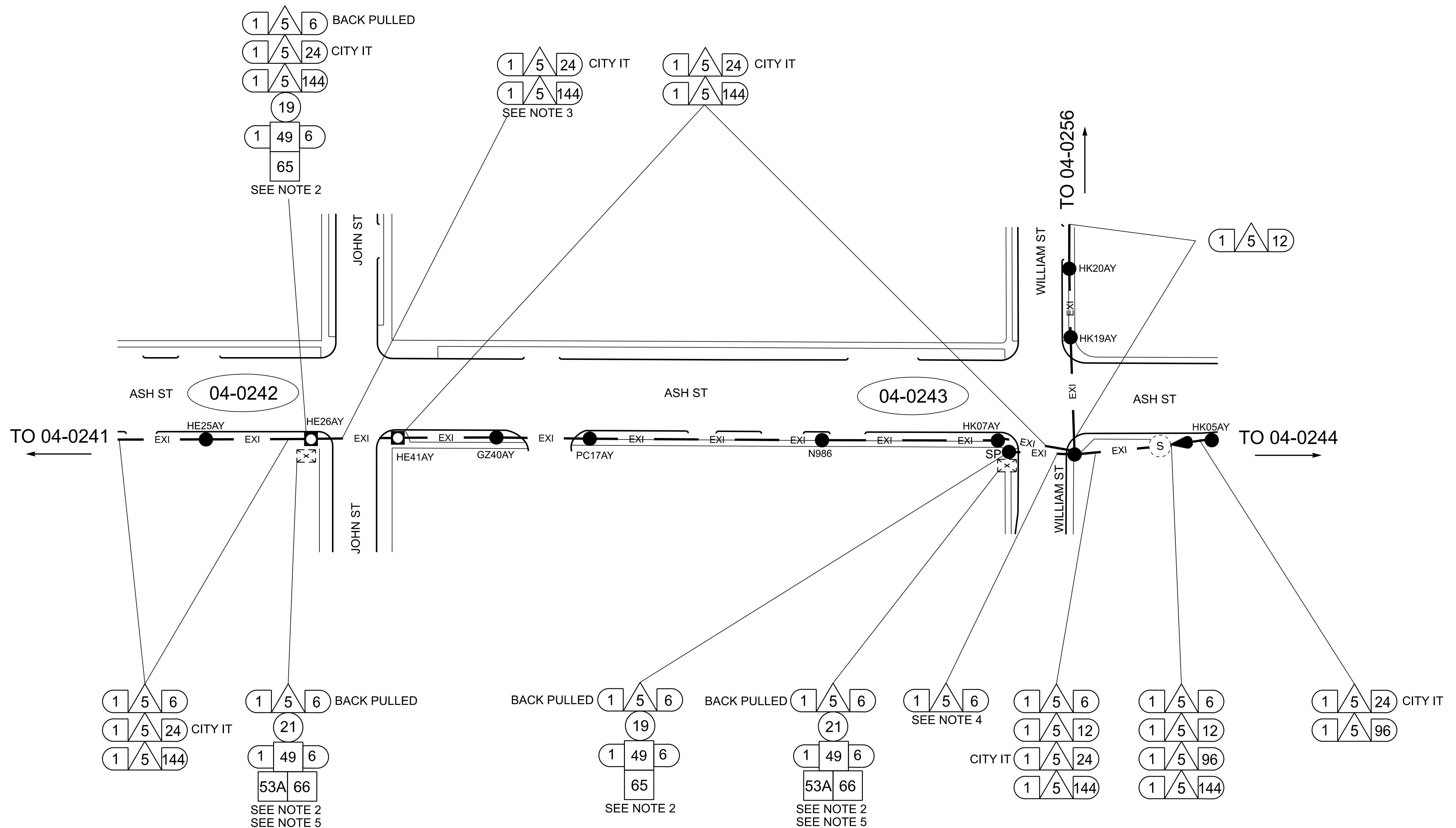
CONSTRUCTION NOTE SYMBOLOGY KEY

	INDICATES NUMBER OF CABLES, LOOPS, ETC.	
	INDICATES NUMBER OF FIBERS PER CABLE, TWISTED PAIRS PER CABLE, ETC.	
	INDICATES NUMBER OF RISER(S) / CONDUIT(S)	
	INDICATES DIAMETER OF RISER(S) / CONDUIT(S) (INCH)	
	NUMBER OF CABLE(S)	NUMBER OF FIBERS/TWISTED PAIRS
	NEW/ EXISTING CABLE	
	REMOVE/ MODIFY CABLE	
	CONDUIT/ RISER	
	NUMBER OF RISER(S)/CONDUIT(S)	DIAMETER OF RISER(S)/CONDUIT(S) (INCH)

<u>ATTACHMENT POINT:</u>	
XX"/SS YYY	DISTANCE ABOVE (IN)/ATTACHMENT POINT REFERENCE POINT
YYY XX"/SS	REFERENCE POINT DISTANCE BELOW (IN)/ATTACHMENT POINT
"SS" REFERENCE LOCATION FS = FRONT SIDE OF POLE BS = BACK SIDE OF POLE	

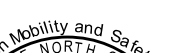
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of: 750 N. Greenfield Pkwy., Garner, NC 27529	CONSTRUCTION NOTES DIVISION 4WAYNE COUNTYGOLDSBORO PLAN DATE: JANUARY 2025REVIEWED BY: DocuSigned by: Gray Gruen PREPARED BY: M. DIAZ REVISIONS DATE	SEAL SIGNATURE: Alex D. Stewart DATE: 01/08/2025
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1. NOTIFY THE DIVISION TRAFFIC ENGINEER AT 252-640-6500 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM COMMUNICATIONS CABLE. NOTIFY THE DIVISION TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. ALL WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL.
2. CABINETS AT 04-0242 AND 04-0243 ARE BEING REPLACED, THE EXISTING FOUNDATIONS WILL REMAIN. BREAK SPLICES IN THE EXISTING INTERCONNECT CENTER AND BACK PULL THE EXISTING 6-FIBER DROP CABLE TO THE TOP OF THE EXISTING RISER. REROUTE THE EXISTING 6-FIBER DROP CABLE THROUGH THE EXISTING RISER AND THE CABINET FOUNDATION. RESPLICE AS DESCRIBED ON SCP-3.
3. 6-FIBER DROP CABLE LASHED TO SIGNAL CABLE AND CITY IT FIBER. DO NOT DISTURB SIGNAL CABLE AND CITY IT FIBER.
4. 6-FIBER DROP CABLE LASHED TO SIGNAL CABLE. DO NOT DISTURB SIGNAL CABLE.
5. REUSE EXISTING FIBER OPTIC TRANSCEIVER OR ETHERNET EDGE SWITCH AND INTERCONNECT CENTER.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:  NORTH CAROLINA DEPARTMENT OF TRANSPORTATION TRANSPORTATION SYSTEMS SECTION	GOLDSBORO SIGNAL SYSTEM COMMUNICATIONS CABLE ROUTING PLANS		SEAL  NORTH CAROLINA PROFESSIONAL ENGINEERS ALEX C. STEWART
	DIVISION 4	WAYNE COUNTY	GOLDSBORO
750 N. Greenfield Pkwy., Garner, NC 27529	PLAN DATE: JANUARY 2025	REVIEWED BY: <i>Greg Green</i> 00FBBE2726AFA	DocuSigned by: INIT. DATE
PREPARED BY: M. DIAZ	REVISIONS	Declassified by: <i>Miss P. Stewart</i> DATE: 01/27/2025	

CABINET DETAILS

04-0242 ASH ST. AT JOHN ST.

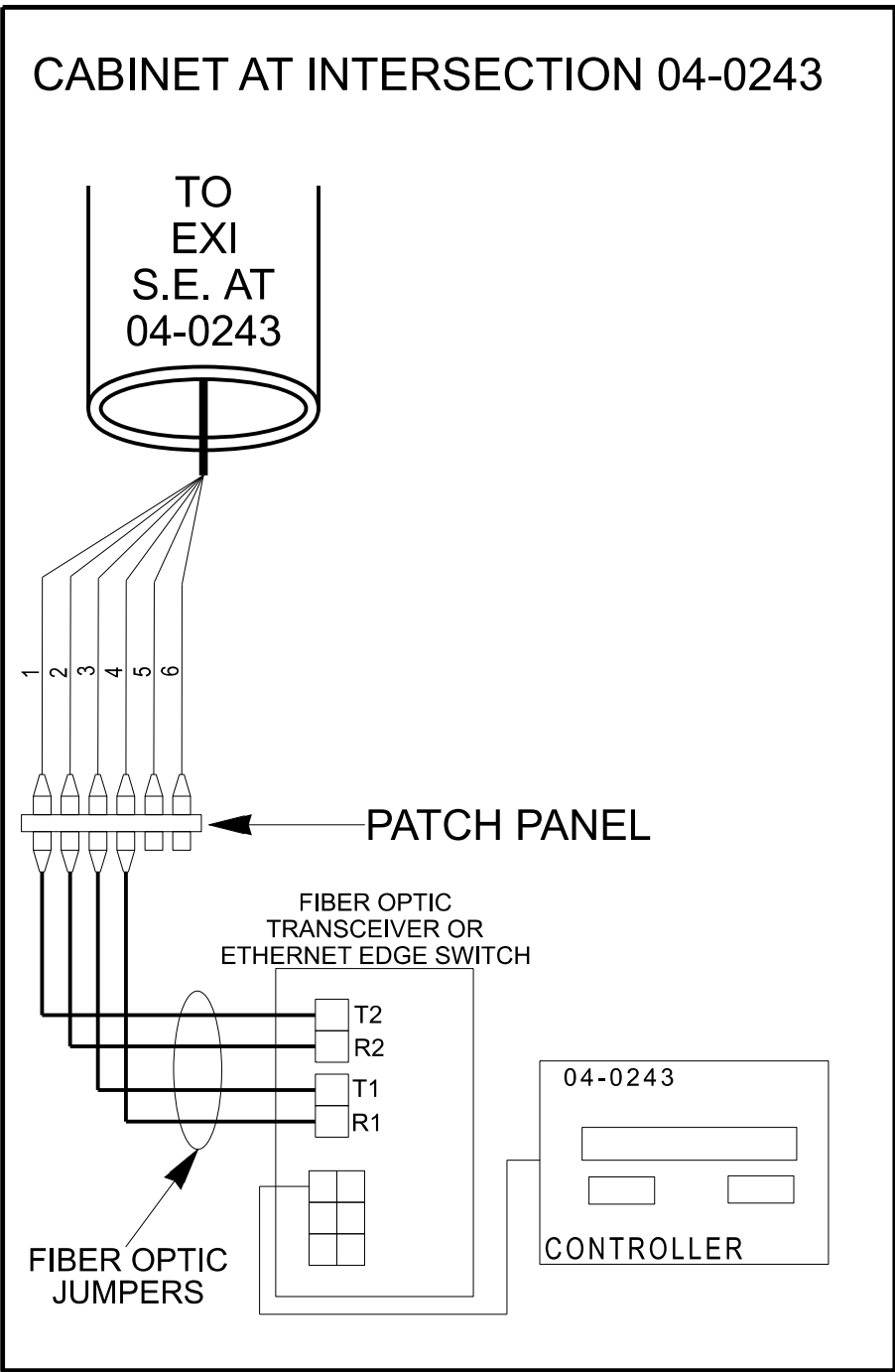
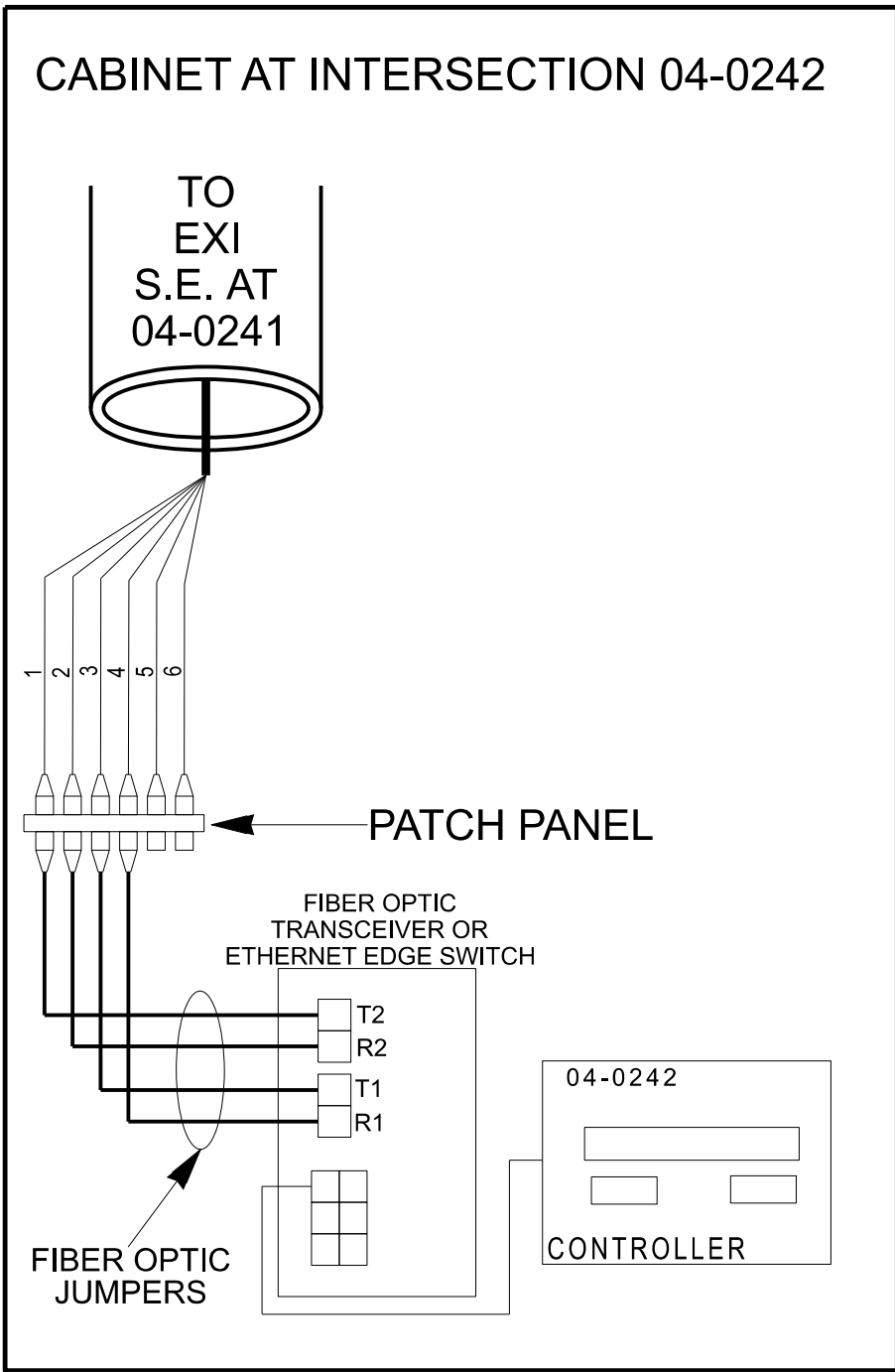
04-0243 ASH ST. AT WILLIAM ST.

Notes:

Unused fibers left coiled and stored in splice tray.

Unused Buffer Tubes left coiled and stored in splice tray.

COLOR CODE TIA/EIA 598-A	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

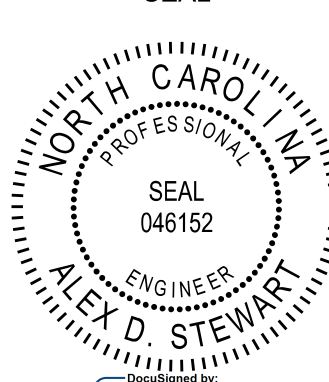


1. NOTIFY THE DIVISION TRAFFIC ENGINEER AT 252-640-6500 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM COMMUNICATION CABLE. NOTIFY THE DEPUTY DIVISION TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. ALL WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL.
2. CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FOR COMPARISON TO THE SUPPLIED SPLICE DETAILS. IF DISCREPANCIES EXIST, CONTACT THE ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICING. PROVIDE AS-BUILT PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGEMENT DIFFERS FROM THE SUPPLIED SPLICE DETAILS.
3. TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING \ ENSURING PROPER TERMINATIONS.
4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

- 1) SPLICE LOCATION
- 2) DATE
- 3) COMPANY NAME
- 4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:  750 N. Greenfield Pkwy., Garner, NC 27529	GOLDSBORO SIGNAL SYSTEM SPLICING DETAIL		SEAL  SIGNATURE: <i>Alex D. Stewart</i> DATE: 01/08/2025	
	DIVISION 4	WAYNE COUNTY		GOLDSBORO
	PLAN DATE: JANUARY 2025	REVIEWED BY: <i>Guy Gruen</i>		
	PREPARED BY: M. DIAZ	INIT.		DATE
REVISIONS				