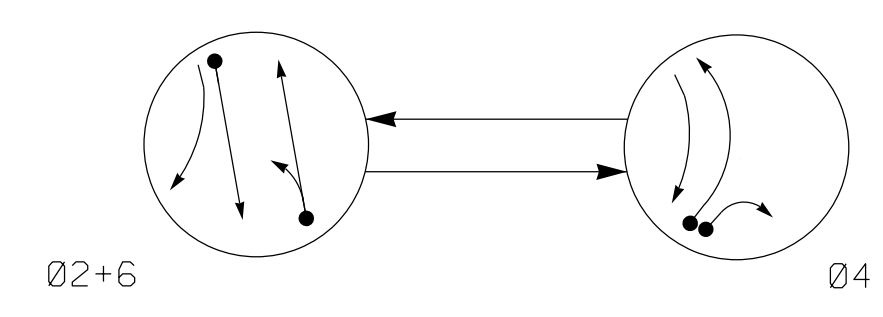


PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

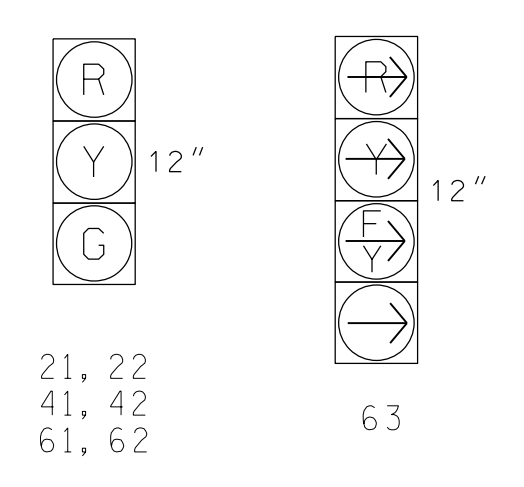
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE		
	02+6	04	FLASH
21, 22	G	R	Y
41, 42	R	G	R
61, 62	G	R	Y
63	F	—	—

F = Flashing Yellow Arrow

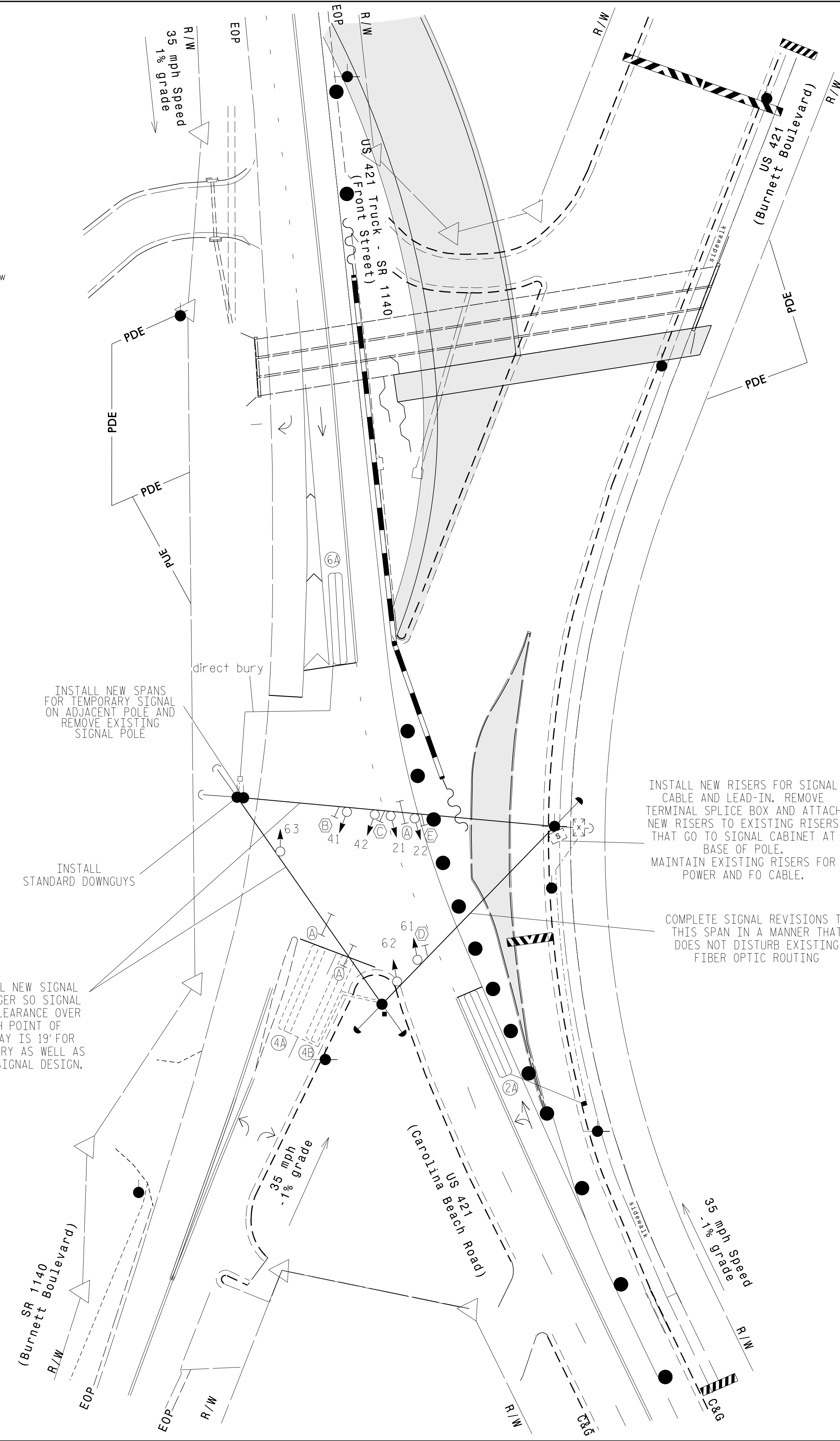
SIGNAL FACE I.D.

All Heads L.E.D.



FEATURE	PHASE		
	2	4	6
Min Green 1 *	10	7	10
Extension 1 *	2.0	3.0	2.0
Max Green 1 *	60	30	60
Yellow Clearance	3.9	3.0	3.8
Red Clearance	3.3	3.2	2.4
Red Revert	2.0	2.0	2.0
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	-	-	-
Max Variable Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Recall Mode	MIN RECALL	-	MIN RECALL
Vehicle Call Memory	YELLOW	-	YELLOW
Dual Entry	-	-	-
Simultaneous Gap	ON	ON	ON

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



2 Phase Fully Actuated (Wilmington Signal System)

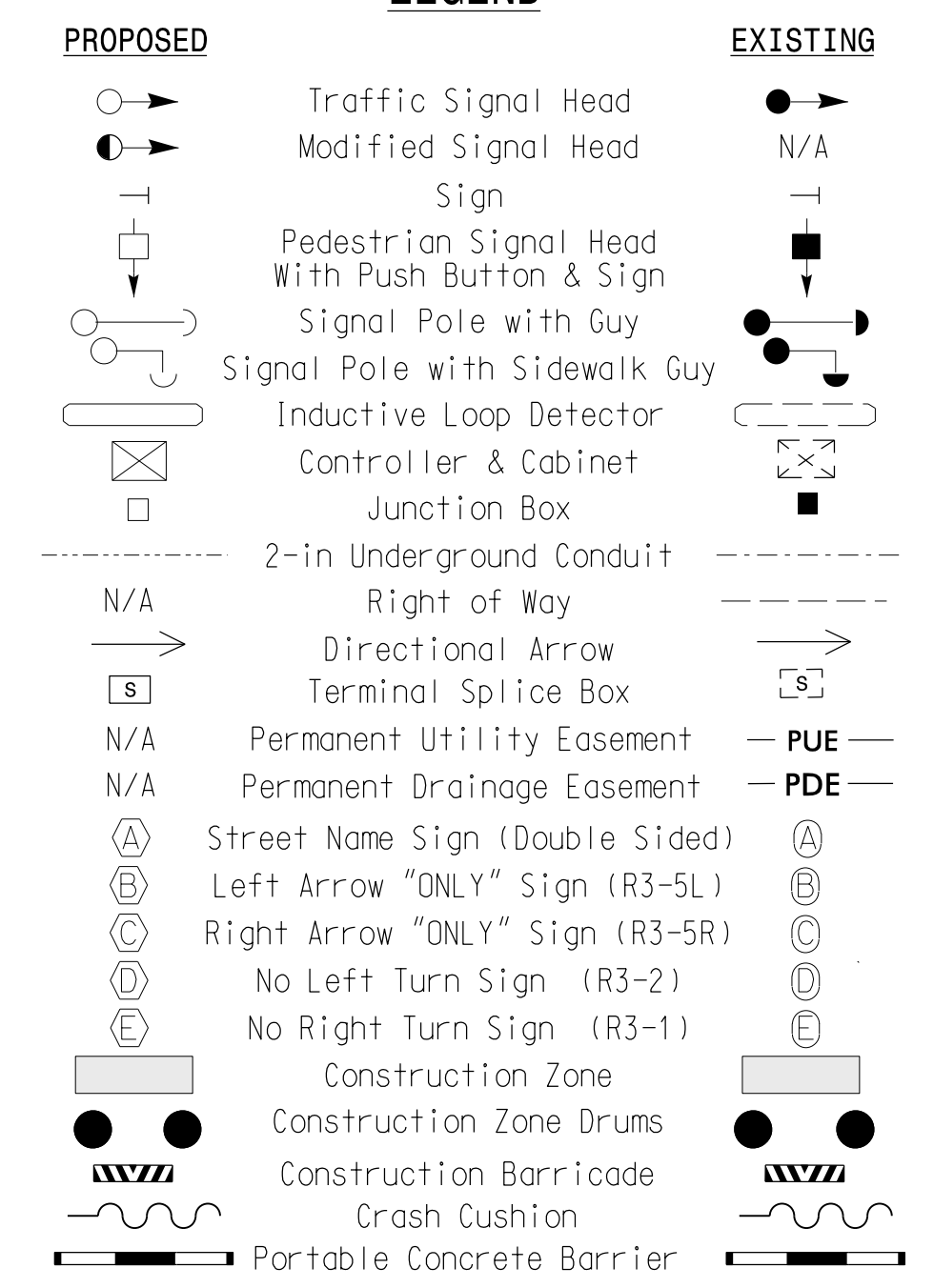
OASIS 2070L LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	STRETCH TIME			DELAY TIME
2A	6'x40'	0'	2-4-2	Y	2	Y	Y	-	-	-	-
4A	6'x40'	0'	2-4-2	-	4	Y	Y	-	-	-	-
4B	6'x40'	0'	2-4-2	-	4	Y	Y	-	-	-	-
6A	6'x40'	0'	2-4-2	Y	6	Y	Y	-	-	-	-

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- Install new signal heads with enough signal cable to allow for the repositioning of signal heads as shown in the temporary and final signal designs.
- Relocate street name signs to new spanwires.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND



Temporary Design 1 Traffic Control Phase I

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 310 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCEES #F-0326

Prepared for the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27529

US 421 (Carolina Beach Road)/ US 421 Truck-SR 1436 (Front St) at SR 1140 (Burnett Boulevard)	
Division 03 New Hanover County	Wilmington
PLAN DATE: May 2014	REVIEWED BY: MB Toth
PREPARED BY: LMM	REVIEWED BY:
REVISIONS	INIT. DATE

SEAL
 NORTH CAROLINA
 PROFESSIONAL
 ENGINEER
 WELISSA B. TOOTH
 025892
 10/12/2016
 SIGNATURE DATE
 SIG. INVENTORY NO. 03-001911

13-SEP-2016 16:31
 02: #Fconsortat:com#Product:com#Tran:ons#NCDOT#01:vis:lon03:R:eerf:el:d: Lake#Traffic:cks:igna:is:0es:gn#s:igna:is:03-001911: .dgn
 BERO5650 AT LUS29295