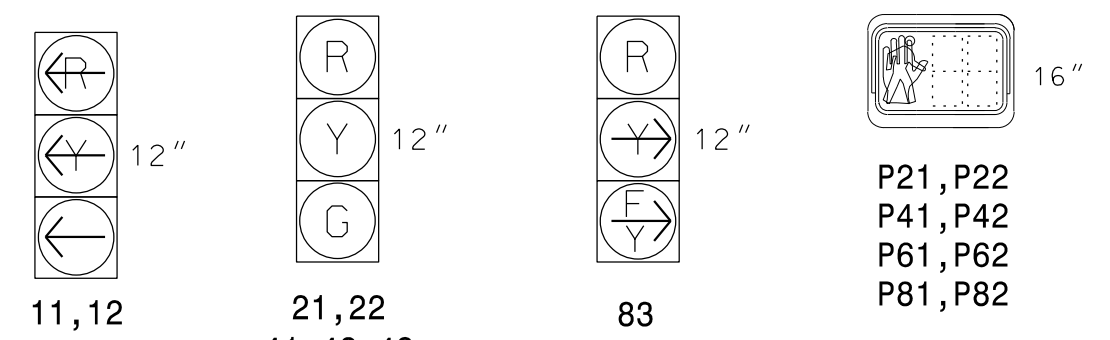


SIGNAL FACE	PHASE					FLASH
	Ø 1 + 5	Ø 1 + 6	Ø 2 + 5	Ø 2 + 6	Ø 4 + 8	
11, 12	←	←	←	←	←	
21, 22	R	R	G	G	R	Y
41, 42, 43	R	R	R	R	G	R
51	←	←	←	←	←	
61, 62	R	G	R	G	R	Y
81, 82	R	R	R	R	G	R
83	←	←	←	←	←	
P21, P22	DW	DW	W	W	DW	DRK
P41, P42	DW	DW	DW	DW	W	DRK
P61, P62	DW	W	DW	W	DW	DRK
P81, P82	DW	DW	DW	W	DRK	

SIGNAL FACE I.D.
All Heads L.E.D.

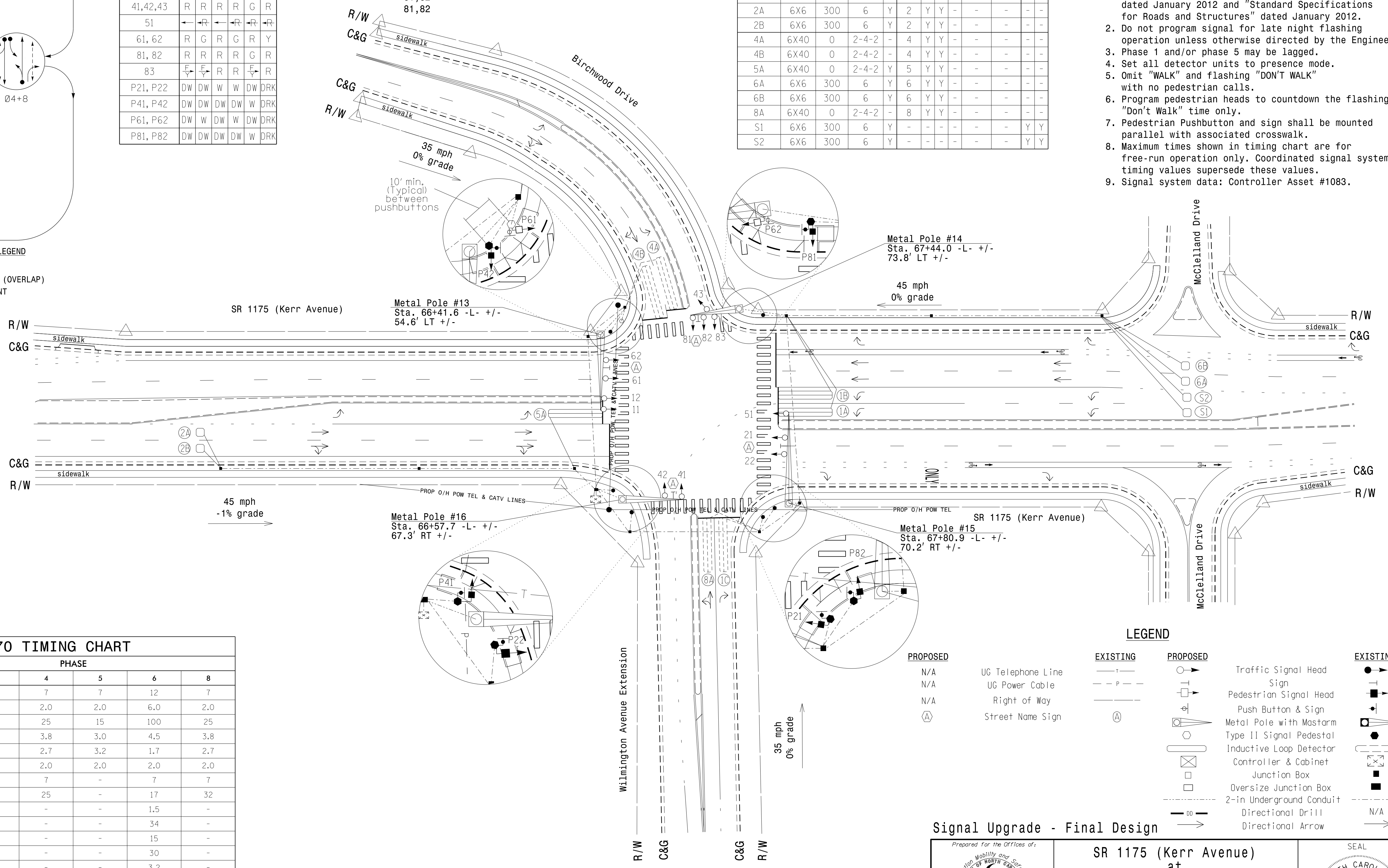
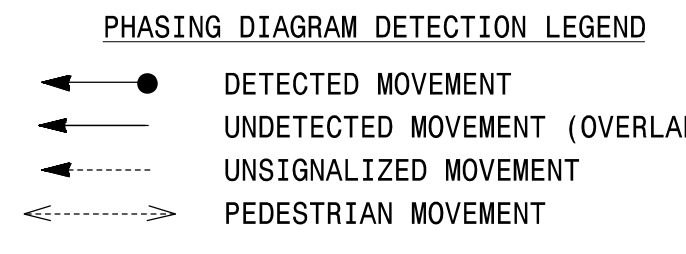


LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	STRETCH TIME		
1A	6X40	0	2-4-2	Y	1	Y	Y	-	-	-
1B	6X40	0	2-4-2	Y	1	Y	Y	-	-	-
1C	6X40	0	2-4-2	-	1	Y	Y	-	15	-
2A	6X6	300	6	Y	2	Y	Y	-	-	-
2B	6X6	300	6	Y	2	Y	Y	-	-	-
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	-
4B	6X40	0	2-4-2	-	4	Y	Y	-	-	-
5A	6X40	0	2-4-2	Y	5	Y	Y	-	-	-
6A	6X6	300	6	Y	6	Y	Y	-	-	-
6B	6X6	300	6	Y	6	Y	Y	-	-	-
8A	6X40	0	2-4-2	-	8	Y	Y	-	-	-
S1	6X6	300	6	Y	-	-	-	-	Y	Y
S2	6X6	300	6	Y	-	-	-	-	Y	Y

5 Phase Fully Actuated (Wilmington Signal System)

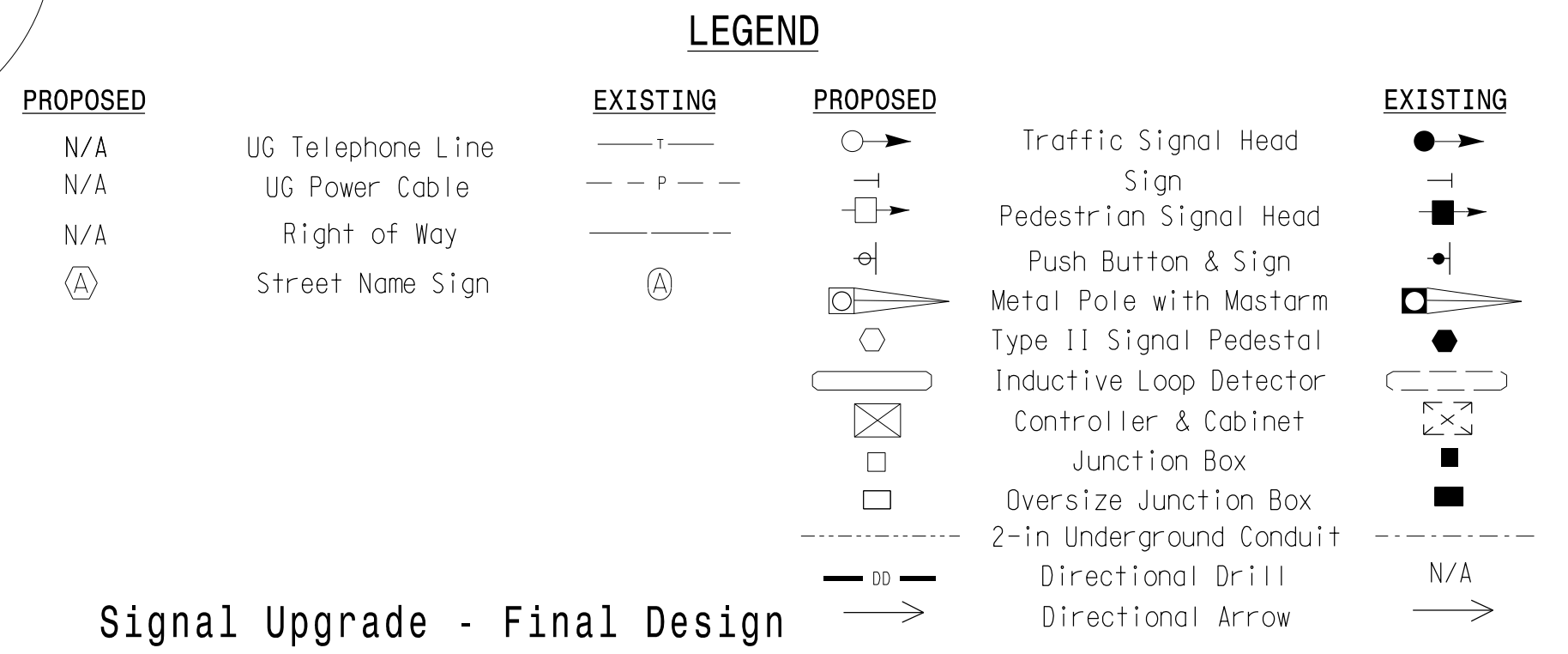
NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
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. Set all detector units to presence mode.
5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
6. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
7. Pedestrian Pushbutton and sign shall be mounted parallel with associated crosswalk.
8. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
9. Signal system data: Controller Asset #1083.



FEATURE	PHASE						
	1	2	4	5	6	8	
Min Green 1 *	7	12	7	7	12	7	
Extension 1 *	2.0	6.0	2.0	2.0	6.0	2.0	
Max Green 1 *	30	100	25	15	100	25	
Yellow Clearance	3.0	4.6	3.8	3.0	4.5	3.8	
Red Clearance	3.5	1.7	2.7	3.2	1.7	2.7	
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	
Walk 1 *	-	7	7	-	7	7	
Don't Walk 1	-	19	25	-	17	32	
Seconds Per Actuation *	-	1.5	-	-	1.5	-	
Max Variable Initial *	-	34	-	-	34	-	
Time Before Reduction *	-	15	-	-	15	-	
Time To Reduce *	-	30	-	-	30	-	
Minimum Gap	-	3.2	-	-	3.2	-	
Recall Mode	-	MIN RECALL	-	-	MIN RECALL	-	
Vehicle Call Memory	-	YELLOW	-	-	YELLOW	-	
Dual Entry	-	-	ON	-	-	ON	
Simultaneous Gap	ON	ON	ON	ON	ON	ON	

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



Signal Upgrade - Final Design

SR 1175 (Kerr Avenue) at Birchwood Drive / Wilmington Avenue Extension

Division 03 New Hanover County Wilmington

PLAN DATE: June 2014 REVIEWED BY: LM Moon

PREPARED BY: JA Wiles REVIEWED BY: MB Toth

SEAL

1616 EAST MILLBROOK ROAD, SUITE 310
RALEIGH, NORTH CAROLINA 27609
(919) 876-8888 NGBEES #F-0326

SCALE

0 40

1"=40'

REVISIONS

NO.	DATE	INIT.	DATE

13-JUL-2015 10:19
 D:\Projects\03-1175\03-1175-Sig-1175-Sig\03-1175-Sig.dgn
 U33388 Kerr - Sig - 1175-Sig\03-1175-Sig.dgn
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