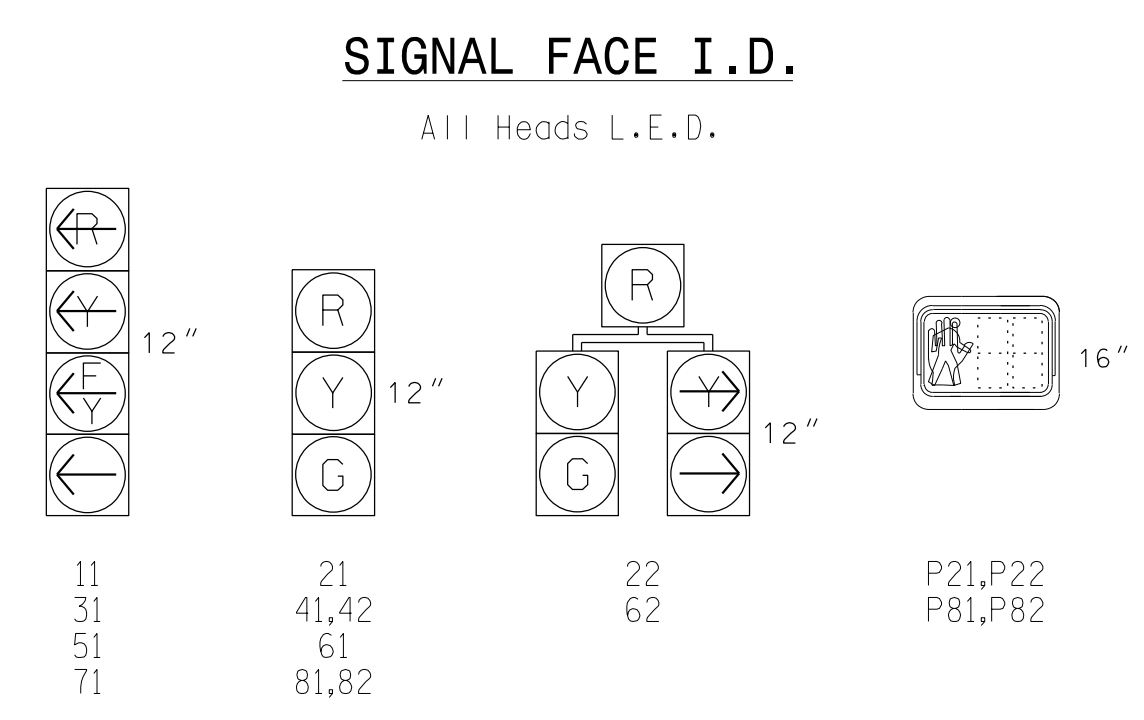


PHASING DIAGRAM DETECTION LEGEND

- ◄●► DETECTED MOVEMENT
- ◄◊► UNDETECTED MOVEMENT (OVERLAP)
- ◄---► UNSIGNALIZED MOVEMENT
- ◄- - -► PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE							
	Ø 1+5	Ø 1+6	Ø 2+5	Ø 2+6	Ø 3+7	Ø 3+8	Ø 4+7	Ø 4+8
11	←	←	←	←	←	←	←	←
21	R	R	G	G	R	R	R	R
22	R	R	G	G	R	R	R	R
31	←	←	←	←	←	←	←	←
41,42	R	R	R	R	R	R	G	G
51	←	←	←	←	←	←	←	←
61	R	G	R	G	R	R	R	R
62	R	G	R	G	R	R	R	R
71	←	←	←	←	←	←	←	←
81,82	R	R	R	R	R	G	R	G
P21,P22	DW	DW	W	W	DW	DW	DW	DRK
P81,P82	DW	DW	DW	DW	DW	W	DW	W

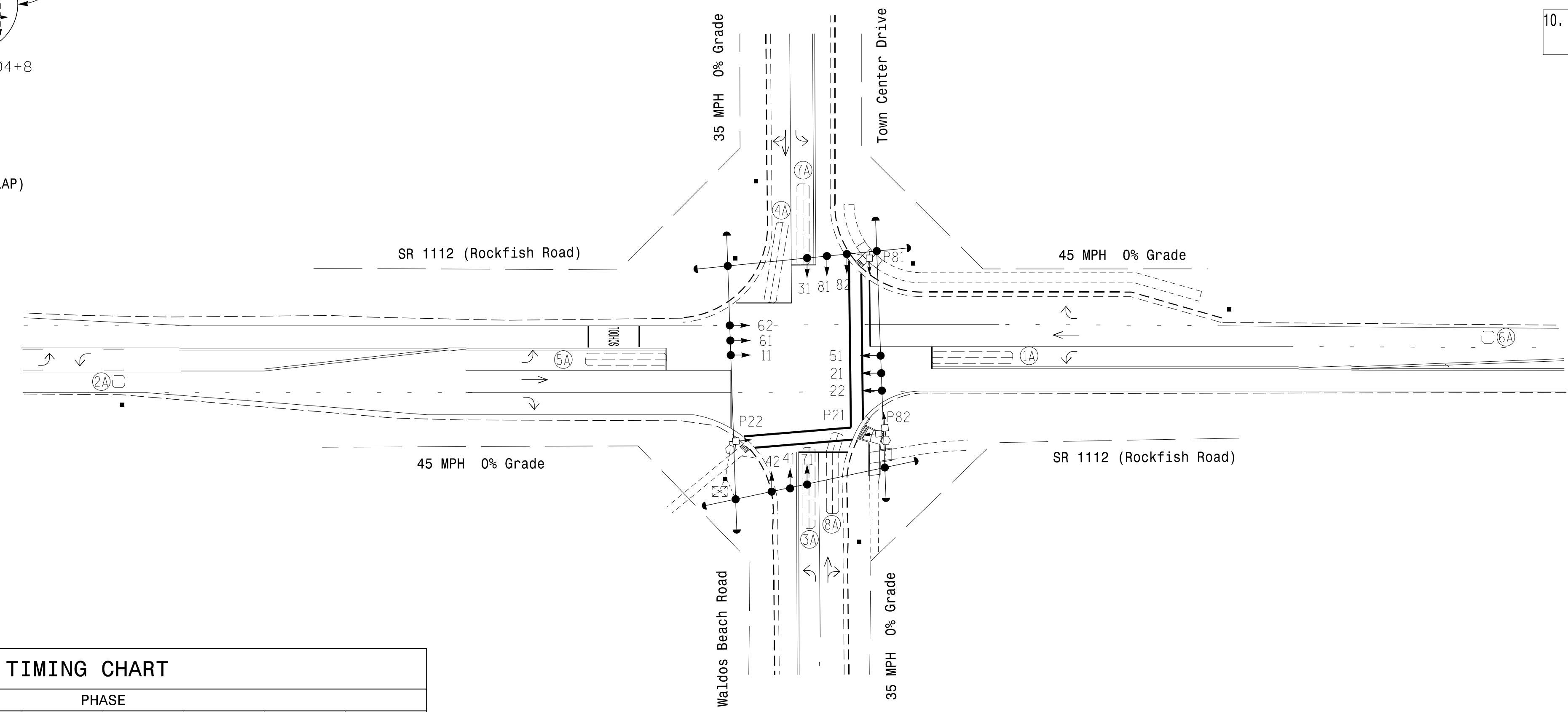


MAXTIME DETECTOR INSTALLATION CHART										
DETECTOR					PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL DURING GREEN
1A	6X40	0	2-4-2	-	1	15.0	-	X	-	X
2A	6X6	300	EXIST	-	2	-	-	X	X	X
3A	6X40	+2.5	2-4-2	-	3	15.0	-	X	-	X
4A	6X40	0	2-4-2	-	4	10.0	-	X	-	X
5A	6X40	0	2-4-2	-	5	15.0	-	X	-	X
6A	6X6	300	EXIST	-	6	-	-	X	X	X
7A	6X40	0	2-4-2	-	7	15.0	-	X	-	X
8A	6X40	+7.5	2-4-2	-	8	10.0	-	X	-	X

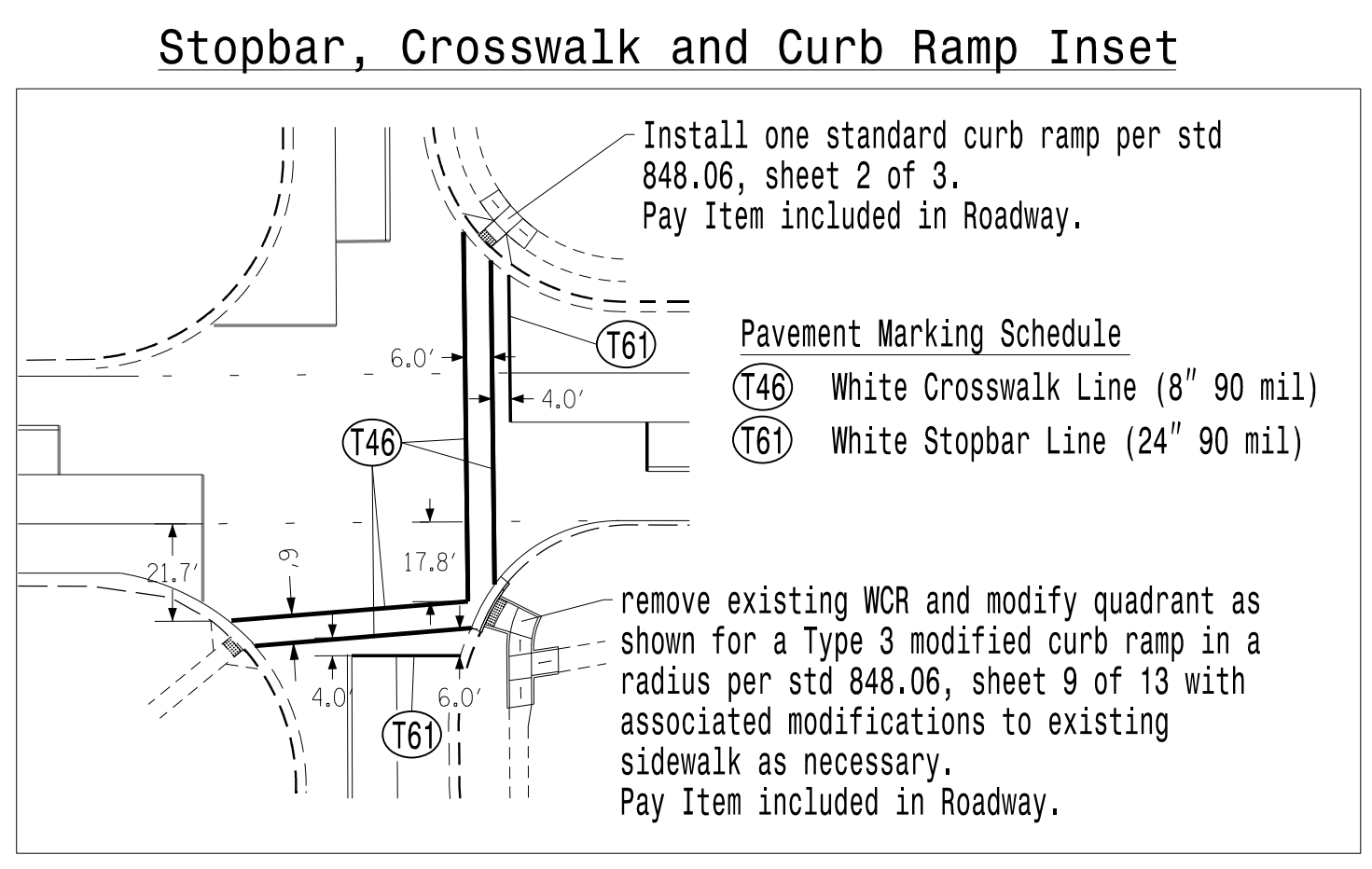
8 Phase Fully Actuated (D06-28_Hope Mills)

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. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
7. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
8. Pavement markings are existing unless otherwise shown/noted. See Inset.
9. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
10. Install 2070LX controller with MAXTIME software in existing signal cabinet.



FEATURE	MAXTIME TIMING CHART							
	1	2	3	4	5	6	7	8
Walk *	-	14	-	-	-	-	-	14
Ped Clear	-	13	-	-	-	-	-	21
Min Green *	7	12	7	7	7	12	7	7
Passage *	2.0	6.0	2.0	2.0	2.0	6.0	2.0	2.0
Max 1 *	15	60	15	20	15	60	15	20
Yellow Change	3.0	4.5	3.0	3.8	3.0	4.5	3.0	3.8
Red Clear	2.8	1.4	2.1	1.3	2.9	1.4	2.1	1.3
Added Initial *	-	2.5	-	-	-	2.5	-	-
Maximum Initial *	-	34	-	-	-	34	-	-
Time Before Reduction *	-	15	-	-	-	15	-	-
Time To Reduce *	-	45	-	-	-	45	-	-
Minimum Gap	-	3.0	-	-	-	3.0	-	-
Advance Walk	-	7	-	-	-	-	-	7
Non Lock Detector	X	-	X	X	X	-	X	X
Vehicle Recall	-	MIN RECALL	-	-	-	MIN RECALL	-	-
Dual Entry	-	-	-	X	-	-	-	X



LEGEND	
PROPOSED	EXISTING
○► Traffic Signal Head	●► N/A
◐► Modified Signal Head	◐► N/A
⊥ Sign	⊥ N/A
⊥ Pedestrian Signal Head With Push Button & Sign	⊥ N/A
⊥ Signal Pole with Guy	⊥ N/A
⊥ Signal Pole with Sidewalk Guy	⊥ N/A
⊥ Inductive Loop Detector	⊥ N/A
⊥ Controller & Cabinet	⊥ N/A
⊥ Junction Box	⊥ N/A
--- 2-in Underground Conduit	--- N/A
N/A Right of Way	N/A N/A
→ Directional Arrow	→ N/A
N/A Wheelchair Ramp	N/A N/A
--- Sidewalk	--- N/A
○ Type II Signal Pedestal	● N/A

Signal Upgrade

SR 1112 (Rockfish Road) at Waldos Beach Road / Town Center Drive

Division 6 Cumberland County Fayetteville

PLAN DATE: August 2024 REVIEWED BY: LM Moon

PREPARED BY: MR Stanley/DJW DRMP PROJ. NO.: 2400555

REVISIONS: _____ INIT: _____ DATE: _____

DRMP, Inc. 8210 University Executive Park Drive, Suite 220 Charlotte, NC 28262 NC License No. T-1524 (704) 332-2289 www.DRMP.com

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE: 0 40 1"=40'

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL: Lisa Moon, Professional Engineer, No. 022516, State of North Carolina, dated 10/3/2024

SIG. INVENTORY NO. 06-1347

* 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.