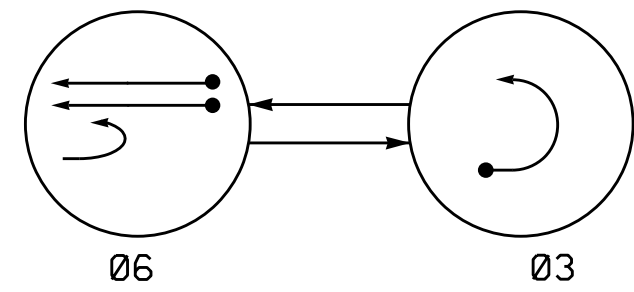
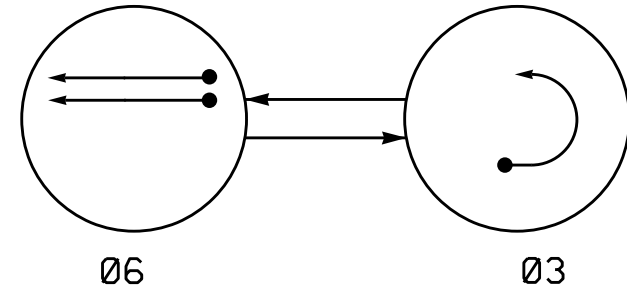


DEFAULT PHASING DIAGRAM



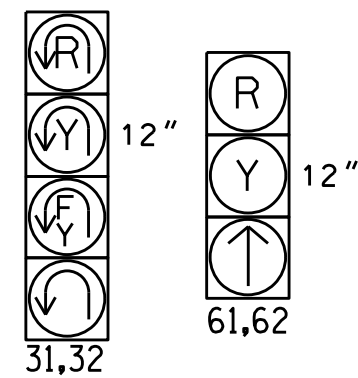
ALTERNATE PHASING DIAGRAM



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

SIGNAL FACE I.D.

All Heads L.E.D.



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø3	Ø6	FLASH
31,32	⤵	⤵	⤵
61,62	R	↑	Y

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø3	Ø6	FLASH
31,32	⤵	⤵	⤵
61,62	R	↑	Y

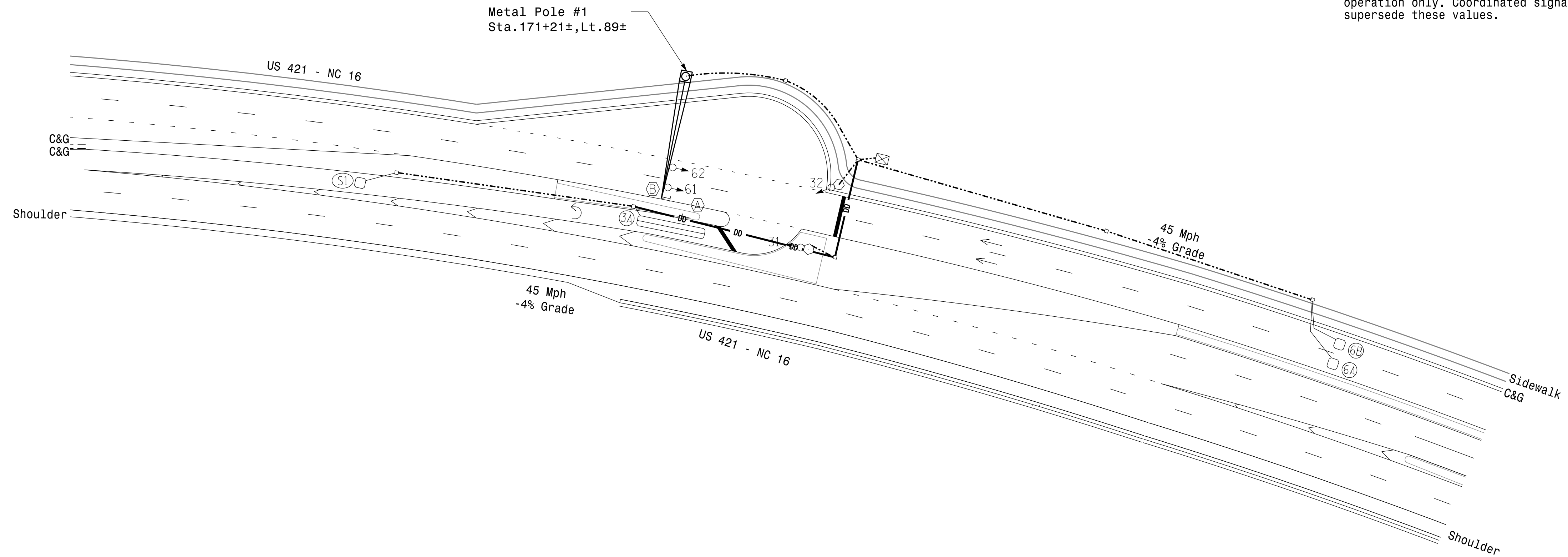
MAXTIME DETECTOR INSTALLATION CHART											
DETECTOR				PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
3A	6X40	0	2-4-2	x	3	15.0*	-	X	-	X	-
6A	6X6	300	4	x	6	-	-	X	X	X	-
6B	6X6	300	4	x	6	-	-	X	X	X	-
S1	6X6	200	4	x	-	-	-	-	-	-	-

\* Disable delay during alternate phasing.

2 Phase Fully Actuated W/ Alternate Phasing Operation Wilkesboro Closed Loop System

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- 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.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

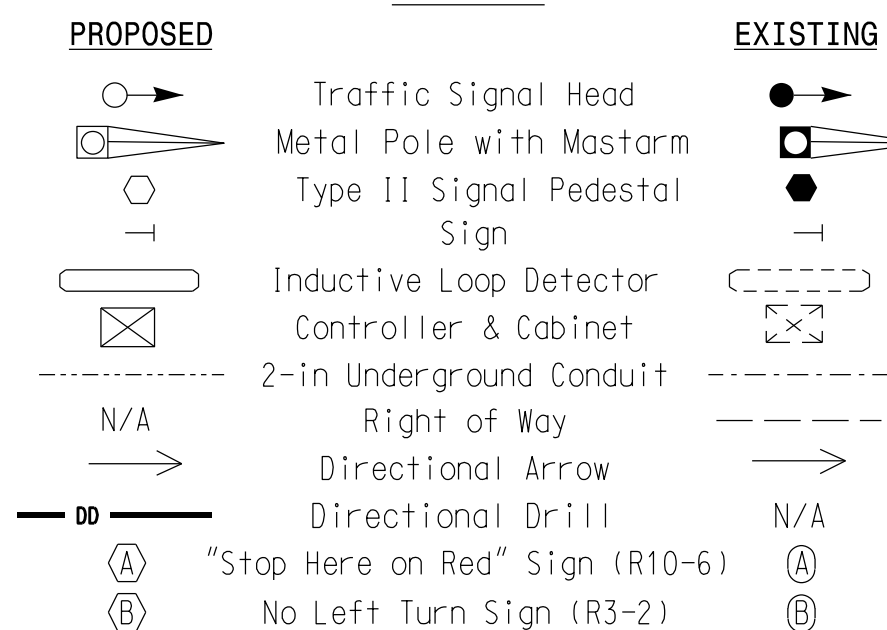


MAXTIME TIMING CHART

FEATURE	PHASE	
	3	6
Walk *	-	-
Ped Clear *	-	-
Min Green	7	12
Passage *	2.0	6.0
Max 1 *	30	60
Yellow Change	3.0	4.9
Red Clear	3.1	1.1
Added Initial *	-	1.5
Maximum Initial *	-	34
Time Before Reduction *	-	15
Time To Reduce *	-	30
Minimum Gap	-	3.4
Advance Walk	-	-
Non Lock Detector	X	-
Vehicle Recall	-	MIN RECALL
Dual Entry	-	-

\* 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.

LEGEND



New Installation - Final Design

Prepared for the Offices of:  
  
 750 N. Greenfield Pkwy, Garner, NC 27529

US 421-NC 16 at SR 1322 (Winkler Mill Rd) / Stonecrest Oaks Pkwy East U-Turn

Division 11 Wilkes County Wilkesboro

PLAN DATE: May 2023 REVIEWED BY: M. Stygles

PREPARED BY: S.R. Chiluka REVIEWED BY: J. Ma

SCALE: 0 40

REVISIONS: \_\_\_\_\_ INIT. DATE

SIGNATURE: \_\_\_\_\_ DATE: 5/24/2023

SIG. INVENTORY NO. 11-1469

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER S. R. CHILUKA 047250

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