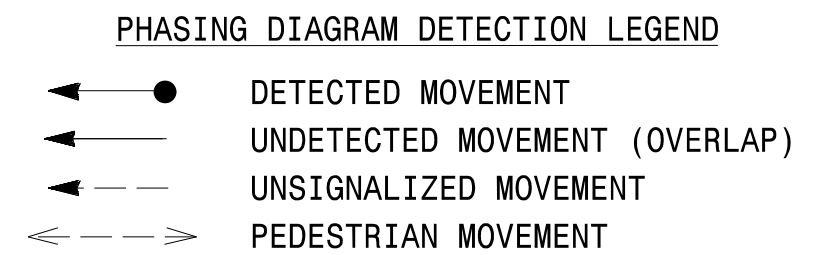
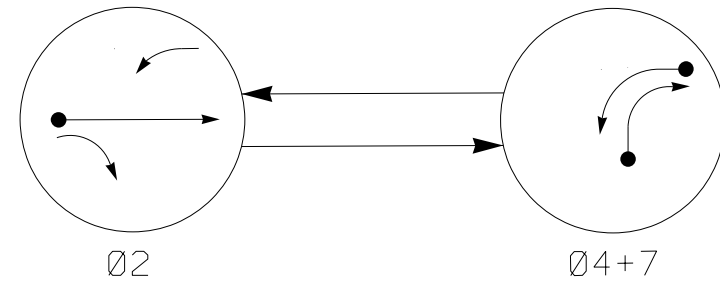
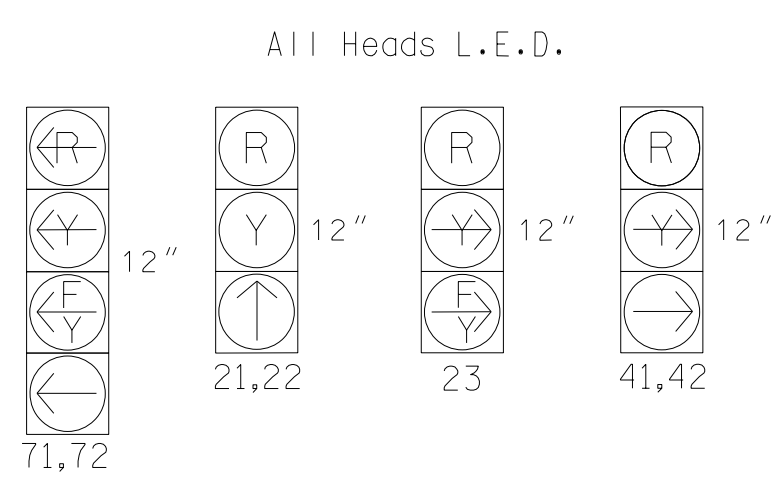


**PHASING DIAGRAM**



**SIGNAL FACE I.D.**



**TABLE OF OPERATION**

SIGNAL FACE	PHASE		
	02	04+7	FLASH
21,22	↑	R	Y
23	←	R	←
41,42	R	→	R
71	←	←	←

**MAXTIME DETECTOR INSTALLATION CHART**

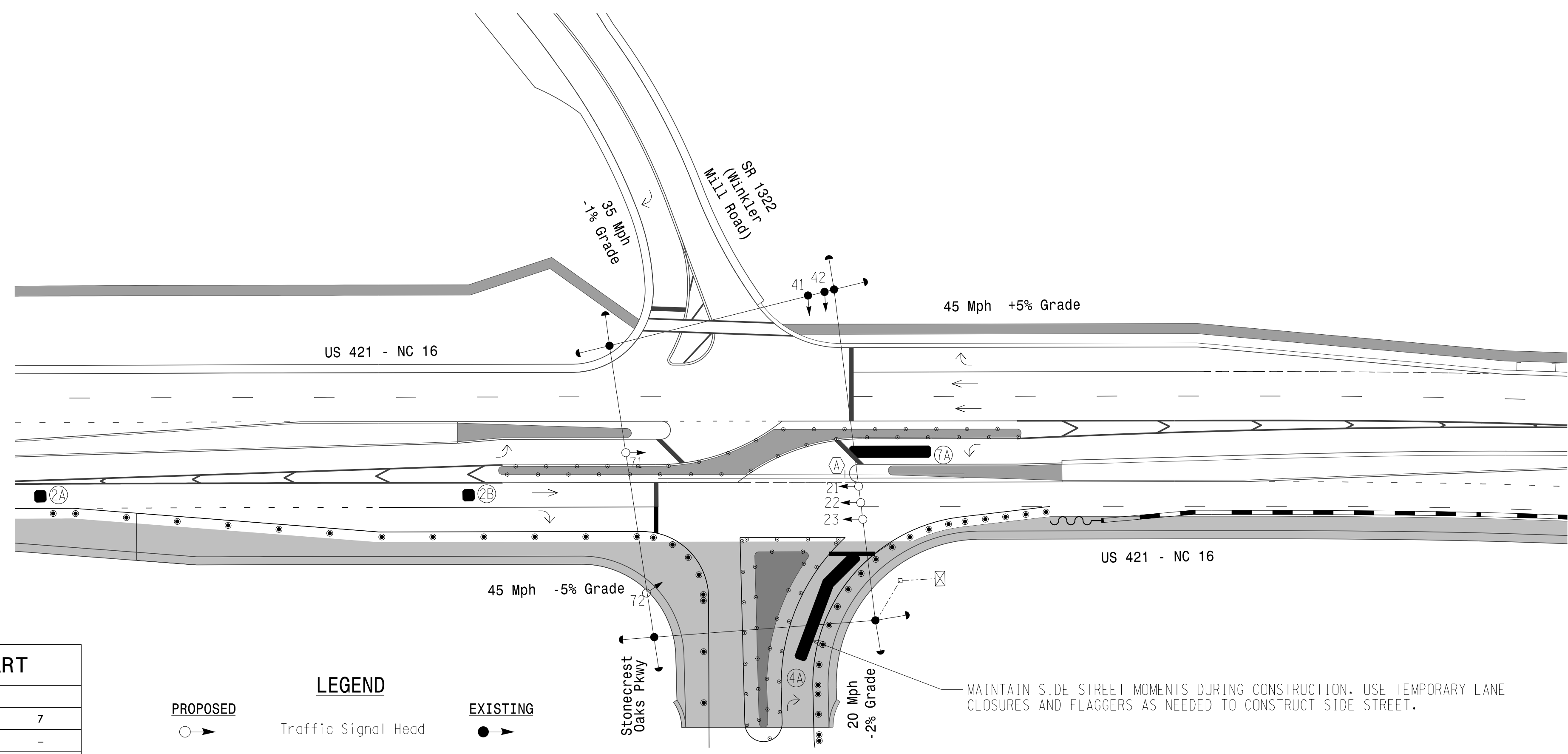
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING						
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND ADDED INITIAL	CALL	DELAY DURING GREEN	
2A	*	300	*	*	2	-	1.6	X	-	X	-
2B	*	90	*	*	2	-	-	X	-	X	-
4A	*	0	*	*	4	15.0	-	X	-	X	-
7A	*	0	*	*	7	15.0	-	X	-	X	-

\*Video Detection Zone

**2 Phase Fully Actuated (Isolated)**

**NOTES**

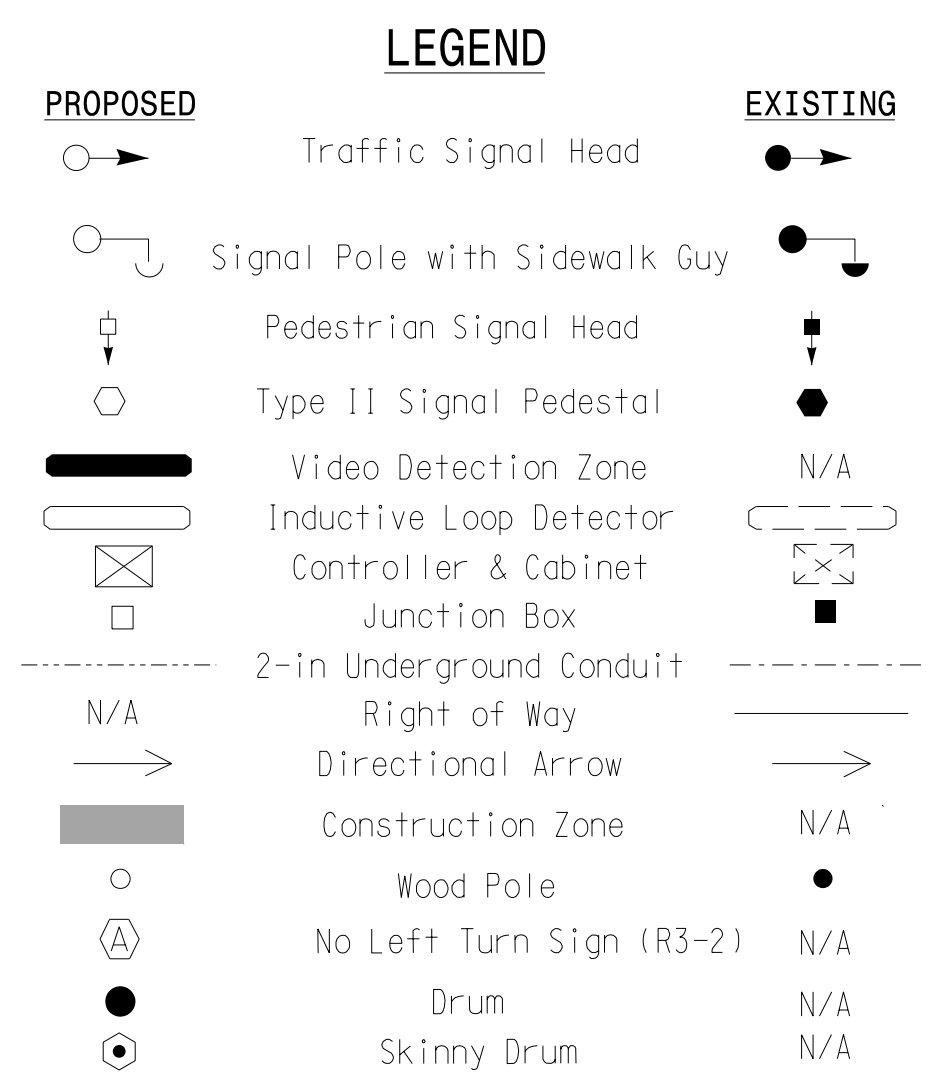
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night operation unless otherwise directed by the Engineer.
3. Set all detector units to presence mode.
4. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Refer to Pavement Marking Plans for proposed stop bar locations.



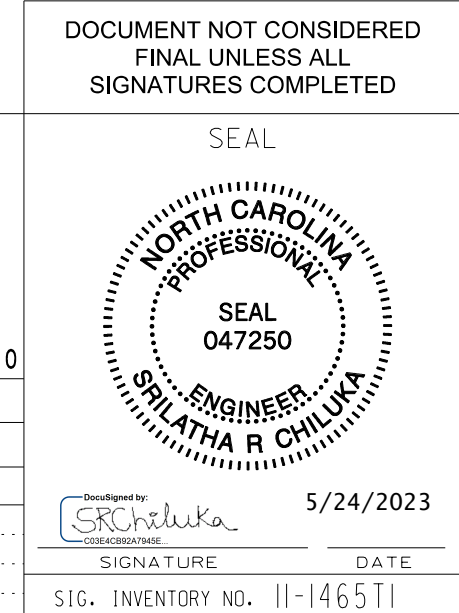
MAINTAIN SIDE STREET MOMENTS DURING CONSTRUCTION. USE TEMPORARY LANE CLOSURES AND FLAGGERS AS NEEDED TO CONSTRUCT SIDE STREET.

**MAXTIME TIMING CHART**

FEATURE	PHASE		
	2	4	7
Walk *	-	-	-
Ped Clear *	-	-	-
Min Green	12	7	7
Passage *	2.0	2.0	2.0
Max 1 *	60	30	30
Yellow Change	4.9	3.0	3.0
Red Clear	1.7	1.8	2.4
Added Initial *	-	-	-
Maximum Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Advance Walk	-	-	-
Non Lock Detector	-	X	X
Vehicle Recall	MIN RECALL	-	-
Dual Entry	-	X	X



\* 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.



**New Installation - Temporary Design 1(Phase 13)**

Prepared For the Offices of:

**US 421 - NC 16 at Stonecrest Oaks Pkwy**

Division 11 Wilkes County Wilkesboro

PLAN DATE: May 2023 REVIEWED BY: M.L. Stygles

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

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE: 1" = 40'

5/24/2023

SIG. INVENTORY NO. II-146511

I:\17\2011\9:38:53 AM R:\Traffic\Signals\Design\90% Design Plans\Temporary Signal Design\U5312\_11-XXXXTL\_Ph 13\_Sig \_dsn\_Stonecrest Oaks Pkwy.dgn schiluka