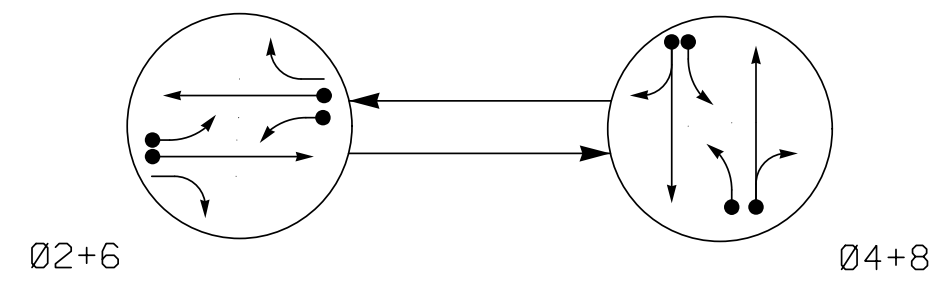


PHASING DIAGRAM



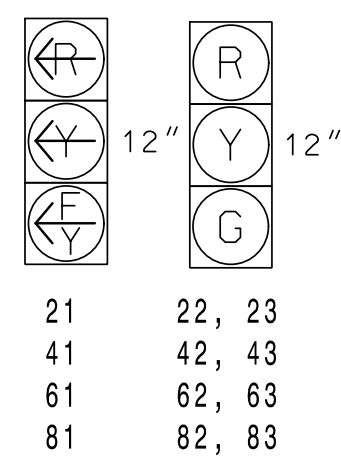
- PHASING DIAGRAM DETECTION LEGEND**
- DETECTED MOVEMENT
 - UNDETECTED MOVEMENT (OVERLAP)
 - - - UNSIGNALIZED MOVEMENT
 - ← - - - PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE	
	Ø2+6	Ø4+8
21	F	R
22, 23	G	R
41	R	F
42, 43	R	G
61	F	R
62, 63	G	R
81	R	F
82, 83	R	G

SIGNAL FACE I.D.

All Heads L.E.D.



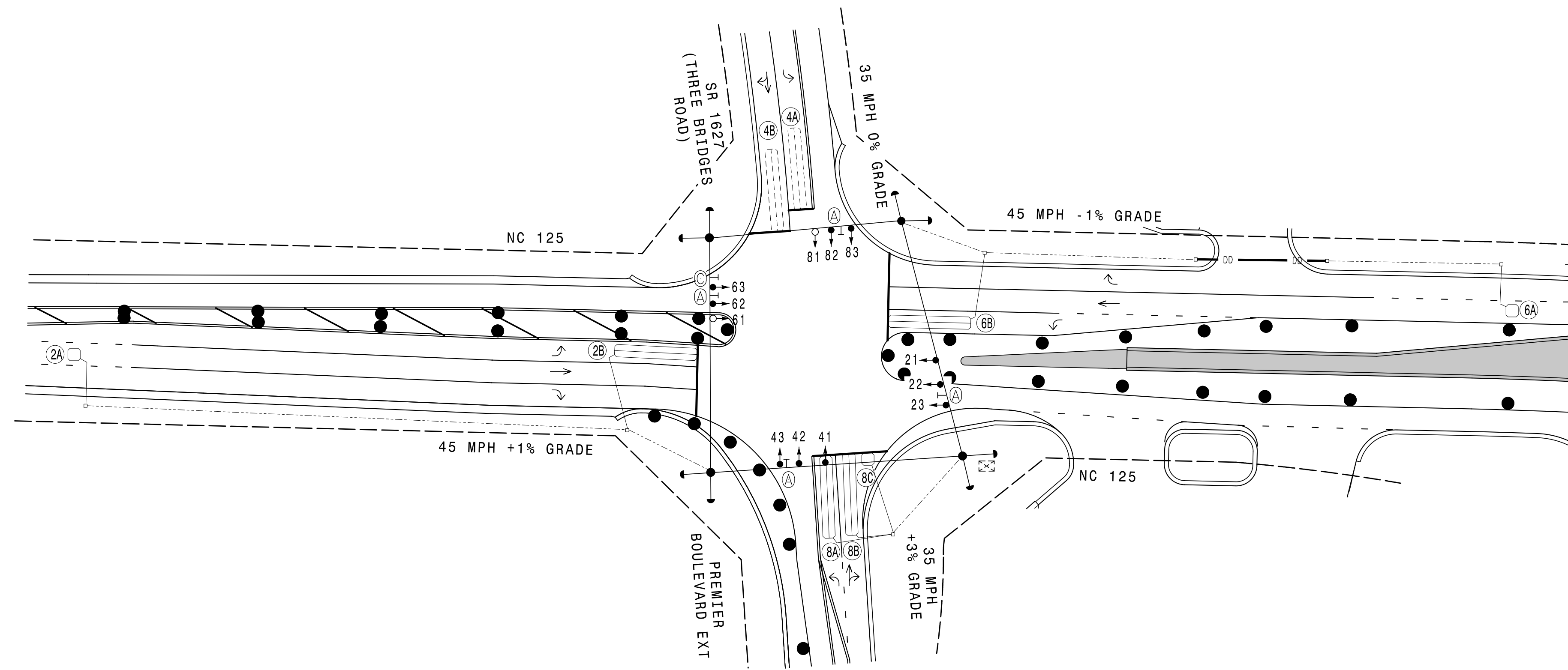
OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	FULL TIME DELAY		
2A	6X6	300	6	Y	2	Y	Y	-	-	-
2B	6X40	0	2-4-2	Y	2	Y	Y	-	-	-
4A	6X40	0	2-4-2	-	4	Y	Y	-	-	3
4B	6X40	0	2-4-2	-	4	Y	Y	-	-	10
6A	6X6	300	6	Y	6	Y	Y	-	-	-
6B	6X40	0	2-4-2	Y	6	Y	Y	-	-	3
8A	6X40	0	2-4-2	Y	8	Y	Y	-	-	3
8B	6X40	0	2-4-2	Y	8	Y	Y	-	-	10
8C	6X6	0	6	Y	8	Y	Y	-	-	15

2 PHASE FULLY ACTUATED (NC 125 WIRELESS 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.
- Reposition existing signal heads numbered 21, 22, 23, 41, 42, 43, 82 and 83.
- Pavement markings are existing, unless otherwise shown.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- Closed loop system data: Channel number 1220.



LEGEND

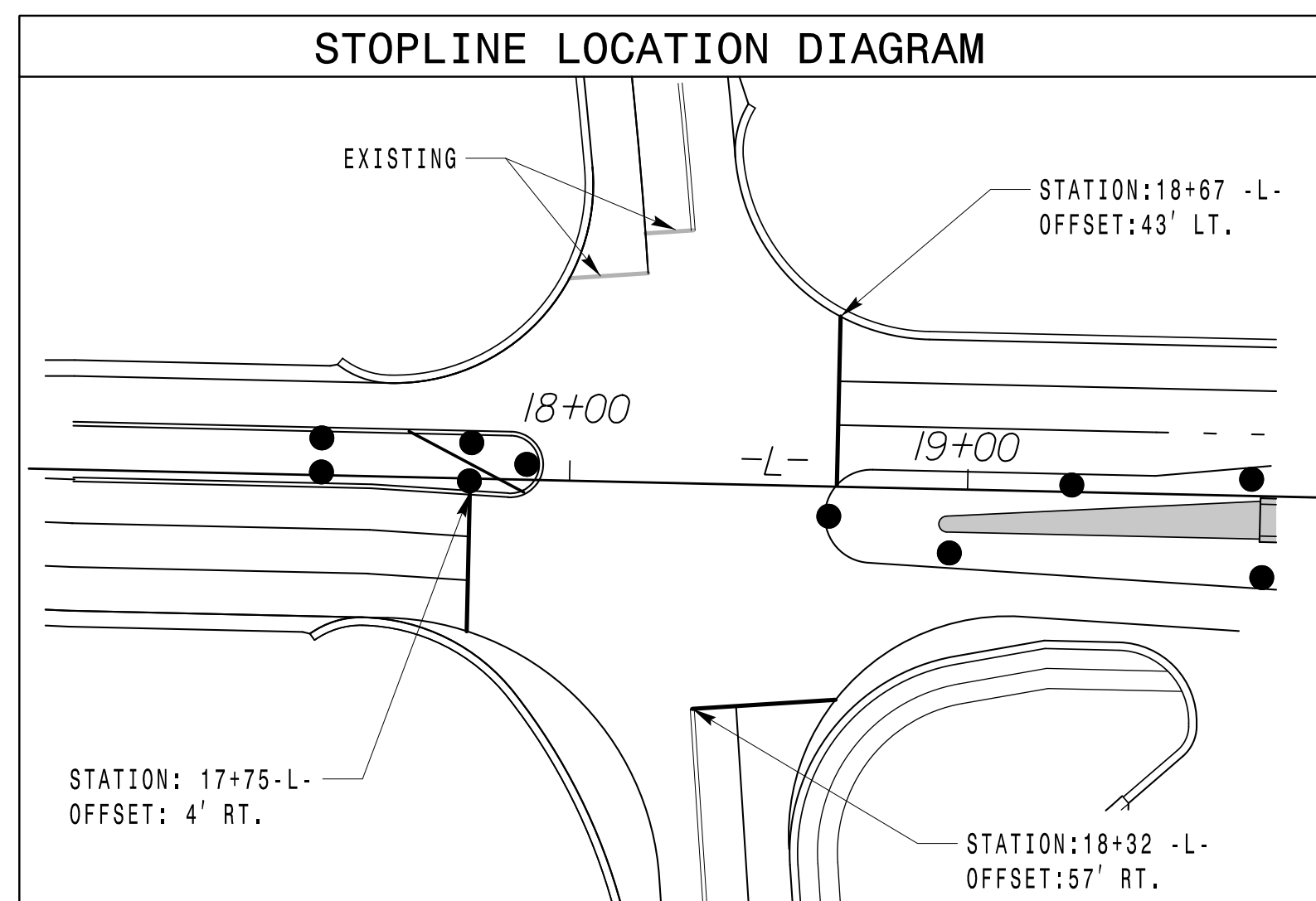
- | PROPOSED | EXISTING |
|----------|----------|
| | |
| | N/A |
| | |
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| | |
| | N/A |
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| | |

OASIS 2070 TIMING CHART

FEATURE	PHASE			
	2	4	6	8
Min Green 1 *	12	7	12	7
Extension 1 *	6.0	2.0	6.0	2.0
Max Green 1 *	90	20	90	20
Yellow Clearance	4.6	3.8	4.6	3.8
Red Clearance	1.3	2.1	1.3	2.1
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	2.5	-	2.5	-
Max Variable Initial *	34	-	34	-
Time Before Reduction *	15	-	15	-
Time To Reduce *	45	-	45	-
Minimum Gap	3.0	-	3.0	-
Recall Mode	MIN RECALL	-	MIN RECALL	-
Vehicle Call Memory	YELLOW	-	YELLOW	-
Dual Entry	-	ON	-	ON
Simultaneous Gap	ON	ON	ON	ON

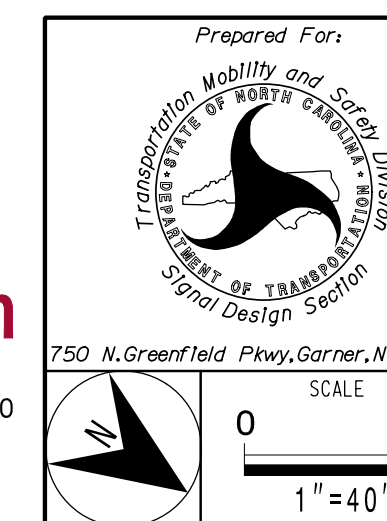
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

STOPLINE LOCATION DIAGRAM



TEMPORARY DESIGN 2 - TC PLAN PHASE 3

PLANS PREPARED IN THE OFFICE OF:
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REVISIONS		INIT.	DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 032607
STACIE L. PHILLIPS
DATE 6/12/2018
SIGNATURE
DATE
SIG. INVENTORY NO. 04-1220T2