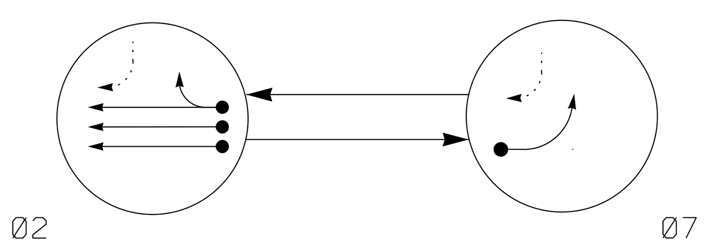
PROJECT REFERENCE NO.	SHEET NO.
W-5514	Sig.2.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

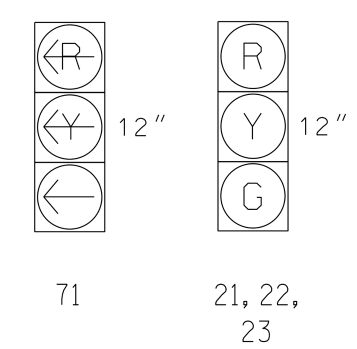
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE Ø2	PHASE Ø7	FLASH
21, 22, 23	G	R	Y
71	←R	←	←R

SIGNAL FACE I.D.

All Heads L.E.D.



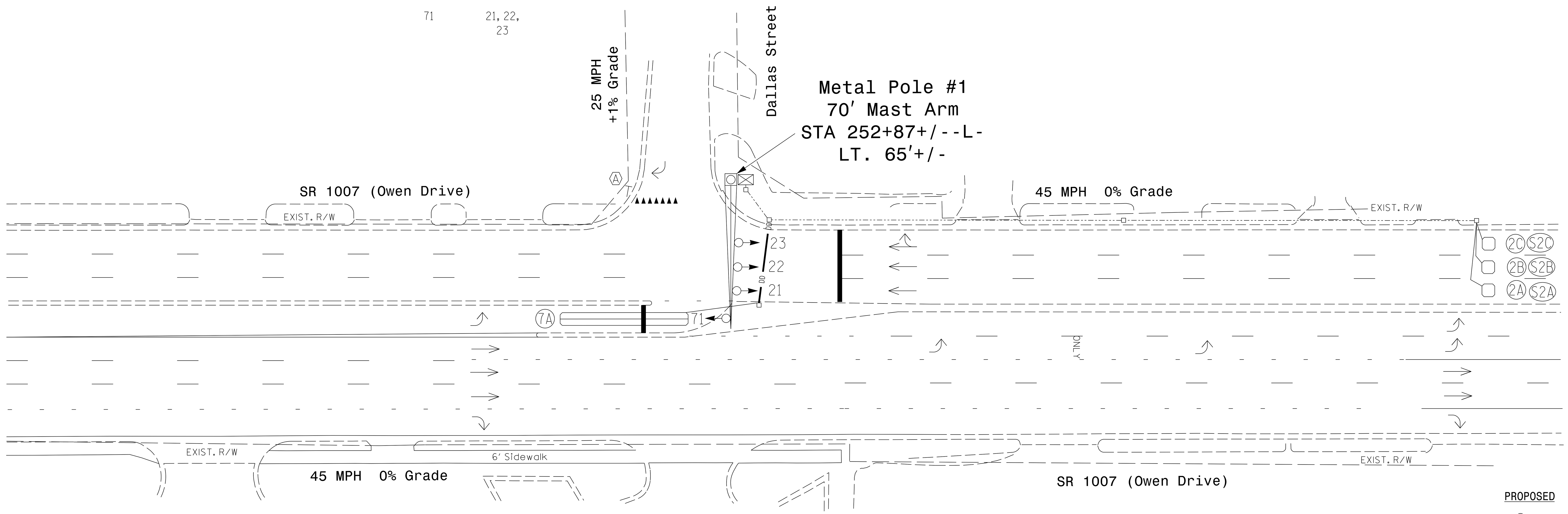
2070 LOOP & DETECTOR INSTALLATION

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
2A/S2A	6X6	300	4	Y	2	Y	Y	-	-	-	Y	Y
2B/S2B	6X6	300	4	Y	2	Y	Y	-	-	-	Y	Y
2C/S2C	6X6	300	4	Y	2	Y	Y	-	-	-	Y	Y
7A	6X60	+20	2-4-2	Y	7	Y	Y	-	-	-	-	Y

2 Phase
Fully Actuated
(Fayetteville 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.
3. Set all detector units to presence mode.
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

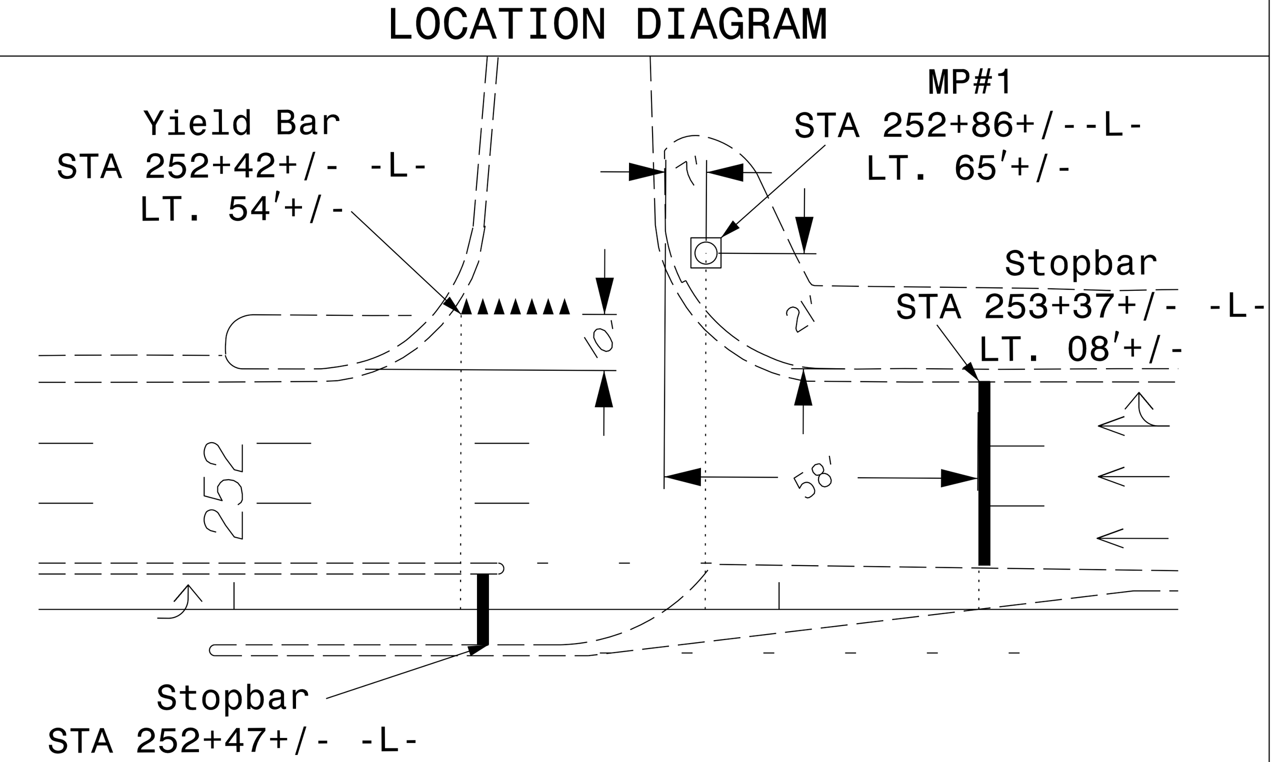


OASIS 2070 TIMING CHART

FEATURE	PHASE 2	PHASE 7
Min Green 1 *	12	7
Extension 1 *	6.0	2.0
Max Green 1 *	80	20
Yellow Clearance	4.5	3.0
Red Clearance	1.6	2.1
Walk 1 *	-	-
Don't Walk 1	-	-
Seconds Per Actuation *	1.0	-
Max Variable Initial *	34	-
Time Before Reduction *	15	-
Time To Reduce *	30	-
Minimum Gap	3.0	-
Recall Mode	MIN RECALL	-
Vehicle Call Memory	YELLOW	-
Dual Entry	-	-
Simultaneous Gap	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.

METAL POLE & STOP BAR LOCATION DIAGRAM



LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	Metal Pole with Mastarm	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
DD	Directional Drill	N/A
N/A	Right of Way	
	Directional Arrow	
	"YIELD" Sign (R1-2)	
	Yield Bar	N/A

4000 WestChase Boulevard, Suite 530
Raleigh, NC 27607
NC License No. C-3705

Prepared for the Offices of:
Transportation Mobility and Safety Division
State of North Carolina Department of Transportation
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

SCALE 0 30 1"=30'

SR 1007 (Owen Drive) at Dallas Street

Division 6 Cumberland County Fayetteville

PLAN DATE:	April 2015	REVIEWED BY:	J.L. Lewis
PREPARED BY:	D.J. Darity	VHB PROJECT NO.:	38286.03

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 19713 ENGINEER DONALD J. DARITY
2015.04.27
10:29:42 -04'00'

SIG. INVENTORY NO. 06-1351

$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$