

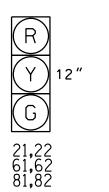
PHASING	DIAGRAM	DETECTION	LEGEN

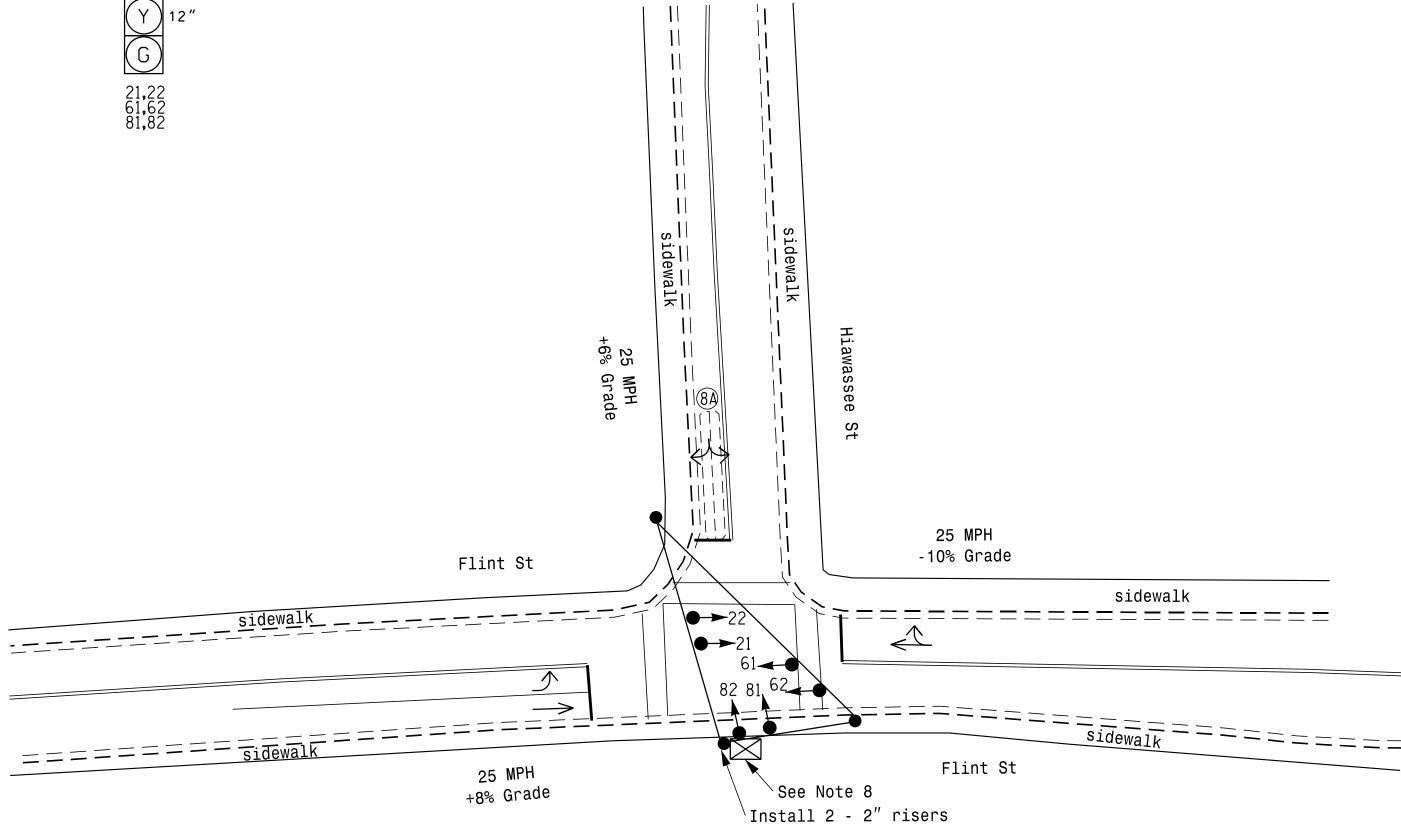
DETECTED MOVEMENT UNDETECTED MOVEMENT (OVERLAP) UNSIGNALIZED MOVEMENT <--> PEDESTRIAN MOVEMENT

TABLE OF 0	PER	ATI	ON
	Р	HAS	E
SIGNAL FACE	ØN+6	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	止しせのエ
21,22	G	R	Y
61,62	G	R	Y
81,82	R	G	R

SIGNAL	FACE	T.D.

All Heads L.E.D.





PROJECT REFERENCE NO.	SHE	ET NO
U - 4715B	Sig	276.

2 Phase Semi-Actuated (Asheville 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 unless otherwise directed by the Engineer.
- 3. Set all detector units to presence mode.
- 4. In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
- 5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 6. Pavement markings are existing.
- 7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- 8. Locate new cabinet on existing foundation. Provide a pedestal mounted meter and disconnect.
- 9. Yellow Clearance interval for phase 2 may be decreased by 0.2 seconds per week until the required value is reached.

LEGEND

<u>PROPOSED</u>		<u>EXISTING</u>
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
\dashv	Sign	\dashv
\downarrow	Pedestrian Signal Head With Push Button & Sign	#
\bigcirc	Signal Pole with Guy	•
٠,	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subseteq = = \supset$
\boxtimes	Controller & Cabinet	K \ \
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow

OASIS 2070E TIMING CHART			
	PHASE		
FEATURE	2	6	8
Min Green 1 *	10	7	10
Extension 1 *	0.0	0.0	3.0
Max Green 1 *	40	40	30
Yellow Clearance	3.8	3.0	3.0
Red Clearance	1.5	1.9	1.8
Red Revert	2.0	2.0	1.9
Walk 1 *	-	-	-
Don't Walk 1	-	-	-
Seconds Per Actuation *	-	-	-
Max Variable Initial *	-	-	-
Time Before Reduction *	-	-	-
Time To Reduce *	-	-	-
Minimum Gap	-	-	-
Recall Mode	MAX RECALL	MAX RECALL	-
Vehicle Call Memory	-	-	-
Dual Entry	-	-	-
Simultaneous Gap	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



12 BROAD STREET ASHEVILLE, NORTH CAROLINA 28801

OASIS 2070E LOOP & DETECTOR INSTALLATION CHART

INDUCTIVE LOOPS

SIZE (FT)

LOOP

DISTANCE

FROM STOPBAR

8A | EXIST | 0 | 2-4-2 | - | 8 | Y | Y | - |

DETECTOR PROGRAMMING

Signal Upgrade	
Prepared for the Offices of:	
TOF ASHELIZE TO THE CAROLINATION OF ASHELIZE TO THE CAROLINATION OF ASHELIZE TO THE CAROLINATION OF THE CA	D
HCAR	Р
16/ S.Charlotte St. Asheville NC 28802	Р
SCALE	
1 0 30	

	Flint St at Hiawassee St		
Division	13 Buncombe C	ounty	
PLAN DATE:	JUNE 2016	REVIEWED BY:	

Asheville SMH REVIEWED BY:

