PHASING DIAGRAM

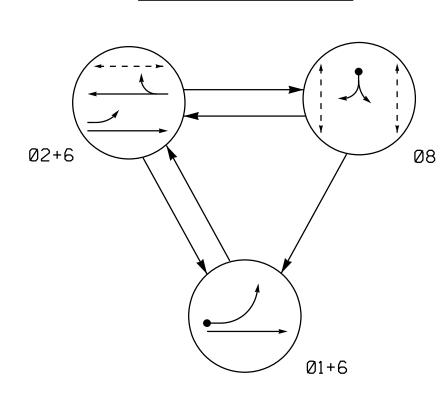


TABLE OF	0PI	ERA [®]	TIO	N				
	PHASE							
SIGNAL FACE	Ø 1 + 6	Ø2+6	Ø8	FLASH				
21,22	R	G	R	Υ				
61	71	G	R	Υ				
62	G	G	R	Υ				
81,82	R	R	G	R				
P21 , P22	DW	W	DW	DRK				
P81 , P82	DW	DW	W	DRK				
P83,P84	DW	DW	W	DRK				

W - Walk

DRK – Dark

DW - Don't Walk

OASIS 2070E LOOP & DETECTOR INSTALLATION CHAR									₹T				
	INDUCTIVE LOOPS					DETECTOR PROGRAMMING							
	LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
	1 A	6X20	EXIST	EXIST	-	1	Υ	Υ	-	-	5	-	Υ
	88	6X20	EXIST	EXIST	_	8	Y	Y	_	_		-	Υ
	8B	6X20	EXIST	EXIST	-	8	Υ	Υ	-	-	_	-	Υ

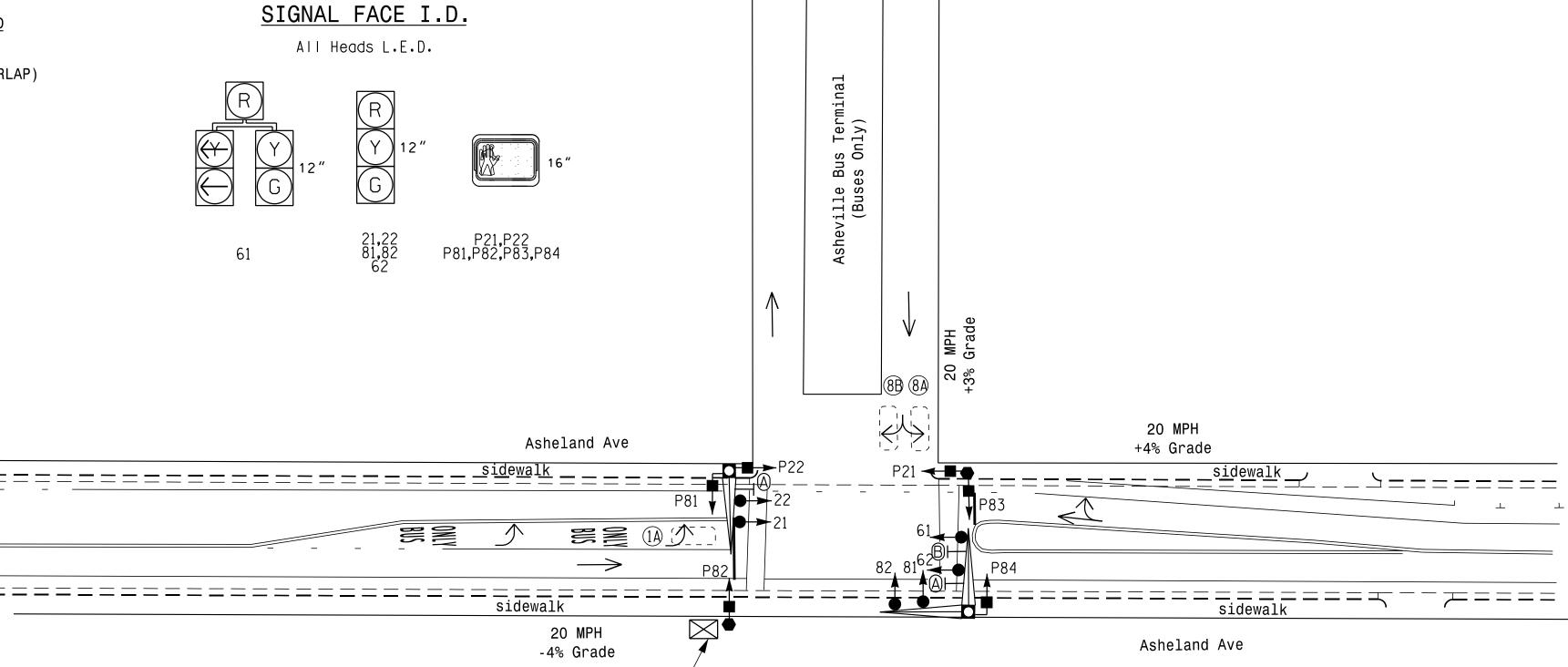
PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

UNSIGNALIZED MOVEMENT

<−−> PEDESTRIAN MOVEMENT



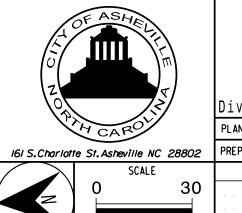
OASIS	2070E	TIMIN	G CHAR	Τ
FEATURE	1	2	6	8
Min Green 1 *	7	10	10	7
Extension 1 *	3.0	0.0	0.0	7.0
Max Green 1 *	15	30	30	20
Yellow Clearance	3.0	3.0	3.0	3.0
Red Clearance	1.2	2.4	2.4	1.2
Red Revert	2.0	2.0	2.0	2.0
Walk 1 *	-	15	-	7
Don't Walk 1	-	15	-	9
Walk Advance **	0.0	3.0	0.0	3.0
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	-	MAX/PED	MAX RECALL	-
Vehicle Call Memory	-	-	_	_
Dual Entry	-	-	-	-
Simultaneous Gan	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



	<u>LEGEND</u>	
<u>PROPOSED</u>		EXISTING
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
\dashv	Sign	\dashv
\downarrow	Pedestrian Signal Head With Push Button & Sign	•
O	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	$\subset = = \supset$
\boxtimes	Controller & Cabinet	× 3
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
0	Metal Pole with Mastarm	
$\langle \! \Delta \! \rangle$	'DO NOT BLOCK INTERSECTION' Sign (R10-7)	\triangle
B	'LEFT TURN YIELD ON GREEN' Sign (R10-12)	lack
\bigcirc	Type II Signal Pedestal	

Signal Upgrade Asheland Ave



		COA	Bus	Ter	mina	1	
	Division	13 Bun	combe	Count	у	Ash	neville
	PLAN DATE:	MAY 2	016	REVIE	WED BY:	SMH	
802	PREPARED BY:	BGI	7	REVIE	WED BY:	JBV	
	REVISIONS					INIT.	DATE
30							

SIGNATURE SIG. INVENTORY NO.

3 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. Omit "Walk" and Flashing "Don't Walk" with no pedestrian calls on phase 8.
- 9. Program the pedestrian heads to Countdown the Flashing "Don't Walk" time only.
- 10. Locate new cabinet at existing location. Provide modified foundation.
- 11. Program controller to allow an Advance Walk movement before serving the vehicle phase.
- 12. Program phase 2 for Rest-In-Walk.
- 13. Existing Yellow change interval for phase 2,6, and 8 may be decreased by 0.2 seconds per week until required value is reached.

(828) 254-2201 FAX (828) 254-4562

^{**} See Note 11.