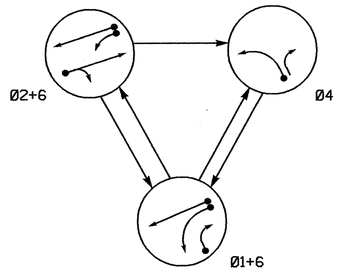
PROJECT REFERENCE NO.	SHEET NO.
B-3475	Sig.6

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE Ø1+6	PHASE Ø2+6	PHASE Ø4	FLASH
21, 22, 23	R	G	R	Y
41	R	R	G	R
42	R/G	R	G	R
61	G/R	G	R	Y
62	G	G	R	Y

2070L LOOP & DETECTOR INSTALLATION

INDUCTIVE LOOPS						DETECTOR PROGRAMMING							
LOOP	SIZE (FT)	TURNS	DISTANCE FROM STOPBAR (FT)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
1A	6X60	2-4-2	0	Y	1	Y	Y	-	-	-	-	Y
					6	Y	Y	-	-	-	-	Y
1B	6X40	2-4-2	+15	Y	1	Y	Y	-	-	-	-	Y
2A	6X40	2-4-2	0	Y	2	Y	Y	-	-	-	5	Y
4A	6X15	4	0	Y	4	Y	Y	-	-	-	5	Y
6A	6X6	4	70	Y	6	Y	Y	-	-	-	-	Y

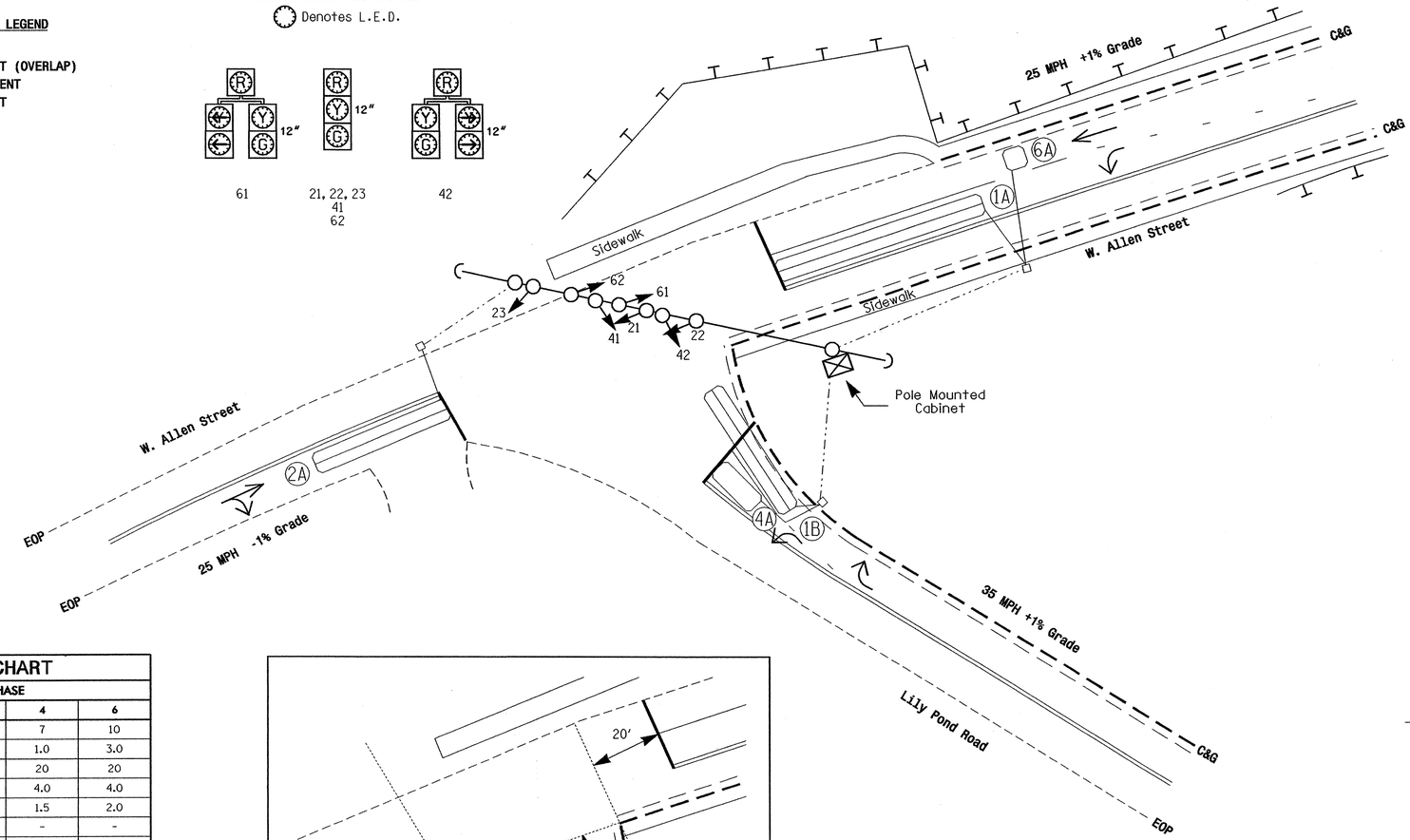
3 Phase
Fully Actuated
(Isolated)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
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. Locate proposed poles a minimum of 6 feet behind face of curb or 10 feet from edge of travel way unless otherwise shown on the plans.

SIGNAL FACE I.D.

Denotes L.E.D.



PLAN QUANTITIES

Pay Item	Feet
Signal Cable	350
Messenger Cable	90
Lead-in Cable	405

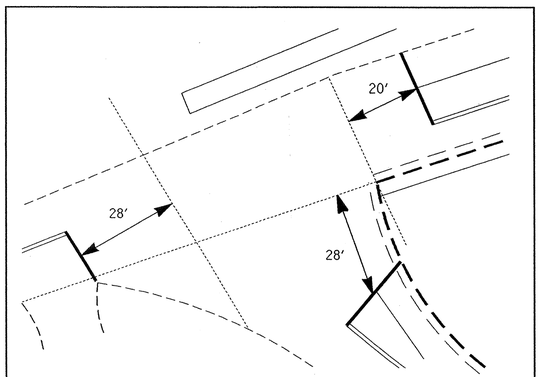
LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
	Directional Arrow	
	Pavement Marking Arrow	
N/A	Guardrail	

2070L TIMING CHART

FEATURE	PHASE 1	2	4	6
Min Green 1 *	10	7	7	10
Extension 1 *	3.0	1.0	1.0	3.0
Max Green 1 *	45	20	20	20
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	1.0	2.0	1.5	2.0
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MIN RECALL	-	-	MIN RECALL
Vehicle Call Memory	-	-	-	YELLOW
Dual Entry	-	-	-	-
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.



Stopbar Locations

New Installation
Temporary Signal- To be removed upon project completion

Prepared in the Offices of:
Traffic Engineering and Safety Systems Branch
Traffic Signal Design Unit
Signals and Geometrics Section
DEPARTMENT OF TRANSPORTATION
STATE OF NORTH CAROLINA
122 N. McDowell St., Raleigh, NC 27603

W. Allen Street at Lily Pond Road

Division 14 Henderson County Hendersonville

PLAN DATE: January 2004 REVIEWED BY: B L Watson

PREPARED BY: R N Wouberry REVIEWED BY:

SCALE 0 20 1"=20'

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 24393 ENGINEER TIMOTHY J WILLIAMS

SIGNATURE 2/23/04 DATE

SIG. INVENTORY NO. 14-1162

27-FEB-2004 10:27
W:\Signal Design Unit\Working Copies\TIP Projects\B-3475\Allen_LilyPond.sig
rnwouberry