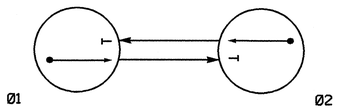
PROJECT REFERENCE NO.	SHEET NO.
B-3445	Sig. 2

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE Ø1	PHASE Ø2	FLASH
11, 12	G	R	R
21, 22	R	G	R

SIGNAL FACE I.D.

Denotes L.E.D.

11, 12
21, 22

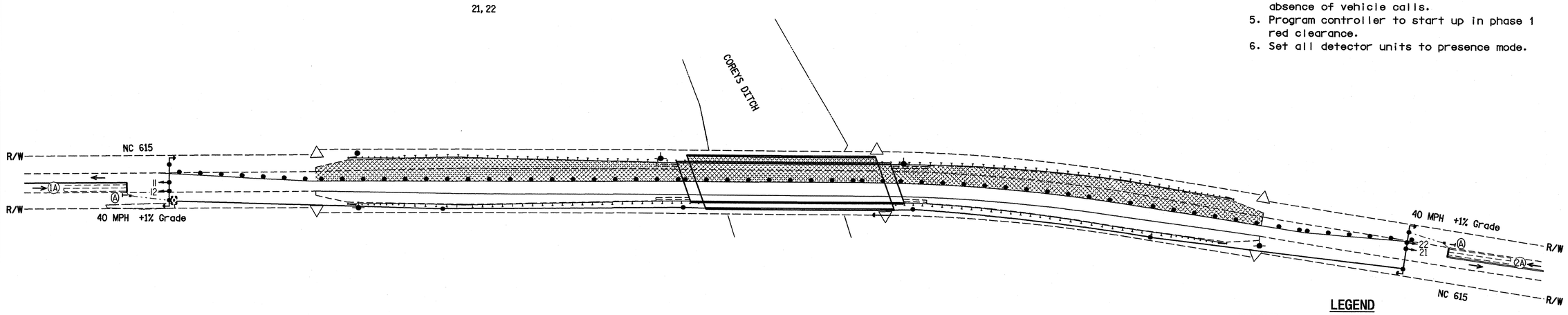
2070L LOOP & DETECTOR INSTALLATION

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	-	1	Y	Y	-	-	-	-	-
2A	6x60	2-4-2	0	-	2	Y	Y	-	-	-	-	-

2 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. Pavement markings are existing.
3. Temporary designs 1 and 2 may be switched to accommodate phases of construction.
4. Program controller to rest in red in the absence of vehicle calls.
5. Program controller to start up in phase 1 red clearance.
6. Set all detector units to presence mode.



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 with Marker	
	Directional Arrow	
	Pavement Marking Arrow	
N/A	Guardrail	
	Construction Zone	
	Construction Zone Drums	
A	"Stop Here On Red" Sign (R10-6)	A

2070L TIMING CHART

FEATURE	PHASE 1	PHASE 2
Min Green 1 *	12	12
Extension 1 *	2.0	2.0
Max Green 1 *	30	30
Yellow Clearance	4.0	4.0
Red Clearance	25.0	25.0
Walk 1 *	-	-
Don't Walk 1	-	-
Dynamic Max /Max.3	120	120
Dynamic Max Adjust	15.0	15.0
Seconds Per Actuation *	-	-
Max Variable Initial *	-	-
Time Before Reduction *	-	-
Time To Reduction *	-	-
Minimum Gap	-	-
Recall Mode	-	-
Vehicle Call Memory	-	-
Dual Entry	-	-
Simultaneous Gap	ON	ON

* These values may be field adjusted. Min Green for all phases should not be lower than 4 seconds.

PLAN QUANTITIES

Pay Item	Feet
Signal Cable	0
Messenger Cable	0
Lead-in Cable	0

This signal plan shall supersede the plan signed and sealed on 4/23/02.

Temporary Design 2 Construction Phase II

Prepared in the Offices of:
Traffic Engineering and Safety Systems Branch
Signals and Geometrics Section
122 N. McDowell St., Raleigh, NC 27603

Bridge Number 7 on NC 615
Over
Corey's Ditch

Division 1 Currituck County McKay Island

PLAN DATE:	January 2003	REVIEWED BY:	R. J. Ziemba
PREPARED BY:	C. E. Carter	REVIEWED BY:	

REVISIONS	INIT.	DATE

SCALE 0 50 1"=50'

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 24393 ENGINEER TIMOTHY J. WILLIAMS
SIGNATURE 1/21/03 DATE
SIG. INVENTORY NO. 01-0721T2

16-JAN-2003 17:25
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rziemba