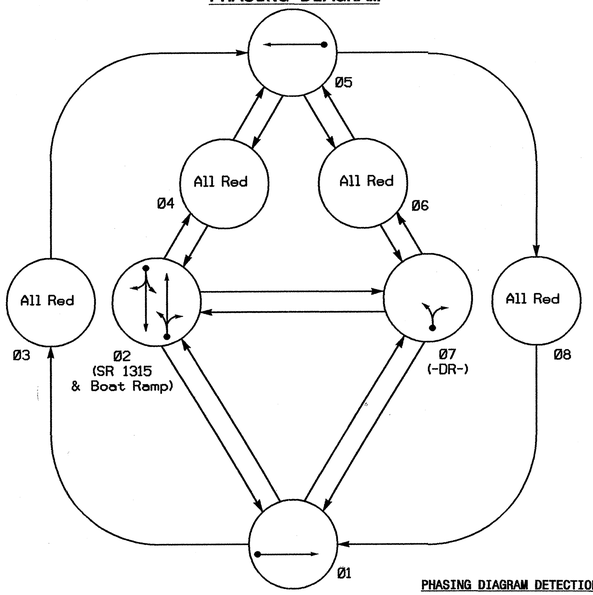
PROJECT REFERENCE NO.	SHEET NO.
B-3348	Sig. 2

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	FLASH
11, 12	G	R	R	R	R	R	R	R	R
21,22,23,24	R	G	R	R	R	R	R	R	R
51, 52	R	R	R	R	G	R	R	R	R
71, 72	R	R	R	R	R	R	G	R	R

SIGNAL FACE I.D.

Denotes L.E.D.

R Y G 12"

11,12
21,22,23,24
51,52
71,72

2070L TIMING CHART

FEATURE	PHASE 1	2	3 (Dummy)	4 (Dummy)	5	6 (Dummy)	7	8 (Dummy)
Min Green 1 *	10	7	10	12	10	12	7	10
Extension 1 *	3.0	2.0	-	-	3.0	-	2.0	-
Max Green 1 *	45	15	10	12	45	12	15	10
Yellow Clearance	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Red Clearance	15	15	11	4	15	4	15	11
Walk 1 *	-	-	-	-	-	-	-	-
Don't Walk 1	-	-	-	-	-	-	-	-
Seconds Per Actuation *	-	-	-	-	-	-	-	-
Max Variable Initial *	-	-	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-	-	-
Recall Mode	-	-	-	-	-	-	-	-
Vehicle Call Memory	-	-	-	-	-	-	-	-
Dual Entry	-	-	-	-	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON	ON	ON	ON	ON

* These values may be field adjusted. Do not adjust Min Green and Extension times lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

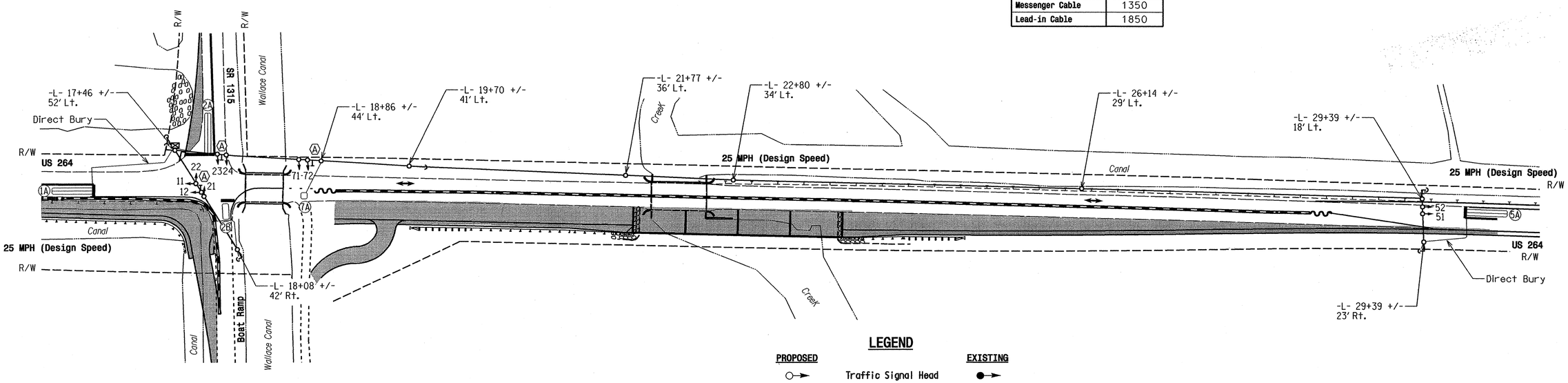
4 Phase Fully Actuated (Isolated)

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. Program all phases for "Red Rest".
4. Set all detector units to presence mode.

PLAN QUANTITIES

Pay Item	Feet
Signal Cable	1730
Messenger Cable	1350
Lead-in Cable	1850



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	
	Construction Zone	
	"NO TURN ON RED" Sign (R10-11)	

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	6x40	2-4-2	0	X	1	Y	Y	-	-	-	-	Y
2A	6x40	2-4-2	0	X	2	Y	Y	-	-	-	3	Y
2B	6x15	4	0	X	2	Y	Y	-	-	-	3	Y
5A	6x40	2-4-2	0	X	5	Y	Y	-	-	-	-	Y
7A	6x6	4	0	X	7	Y	Y	-	-	-	5	Y

New Installation (Temporary Signal 1 - TCP Phase I)

Prepared in the Offices of: Traffic Engineering and Safety Systems Branch, Traffic Operations Unit, Division of Highways, Department of Transportation, State of North Carolina, Raleigh, NC 27603

122 N. McDowell St., Raleigh, NC 27603

US 264 At SR 1315 (Swamp Road) and Bridges 52 and 54

Division 1 Hyde County near Engelhard

PLAN DATE: January 2004 REVIEWED BY:

PREPARED BY: JGalloway REVIEWED BY:

SCALE 0 50 1"=50'

REVISIONS	INIT.	DATE

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 24393 ENGINEER TIMOTHY J. WILLIAMS

SIGNATURE DATE 2/19/04

SIG. INVENTORY NO. 01-0738 T1

19-FEB-2004 08:55
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jgalloway