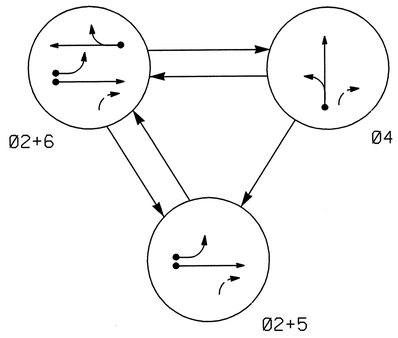
METRIC	PROJECT REFERENCE NO.	SHEET NO.
	R-2813C	SIG.4

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

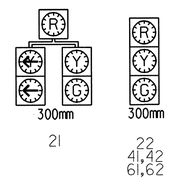
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE Ø2+5	PHASE Ø2+6	PHASE Ø4	FLASH
21	G/Y	G	R	Y
22	G	G	R	Y
41,42	R	R	G	R
61,62	R	G	R	Y

SIGNAL FACE I.D.

Denotes L.E.D.



2070L LOOP & DETECTOR INSTALLATION

INDUCTIVE LOOPS					DETECTOR PROGRAMMING						
LOOP	SIZE (M)	TURNS	DISTANCE FROM STOPBAR (M)	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	SYSTEM LOOP	STRETCH TIME	DELAY TIME	NEW CARD
2A	1.8X1.8	4	21	-	2	Y	Y	-	-	——	——	Y
4A	1.8X18	2-4-2	0	-	4	Y	Y	-	-	——	3	Y
5A	1.8X18	2-4-2	0	-	2	Y	Y	-	-	——	——	Y
					5	Y	Y	-	-	——	15	Y
6A	1.8X1.8	4	21	Y	6	Y	Y	-	-	——	——	Y

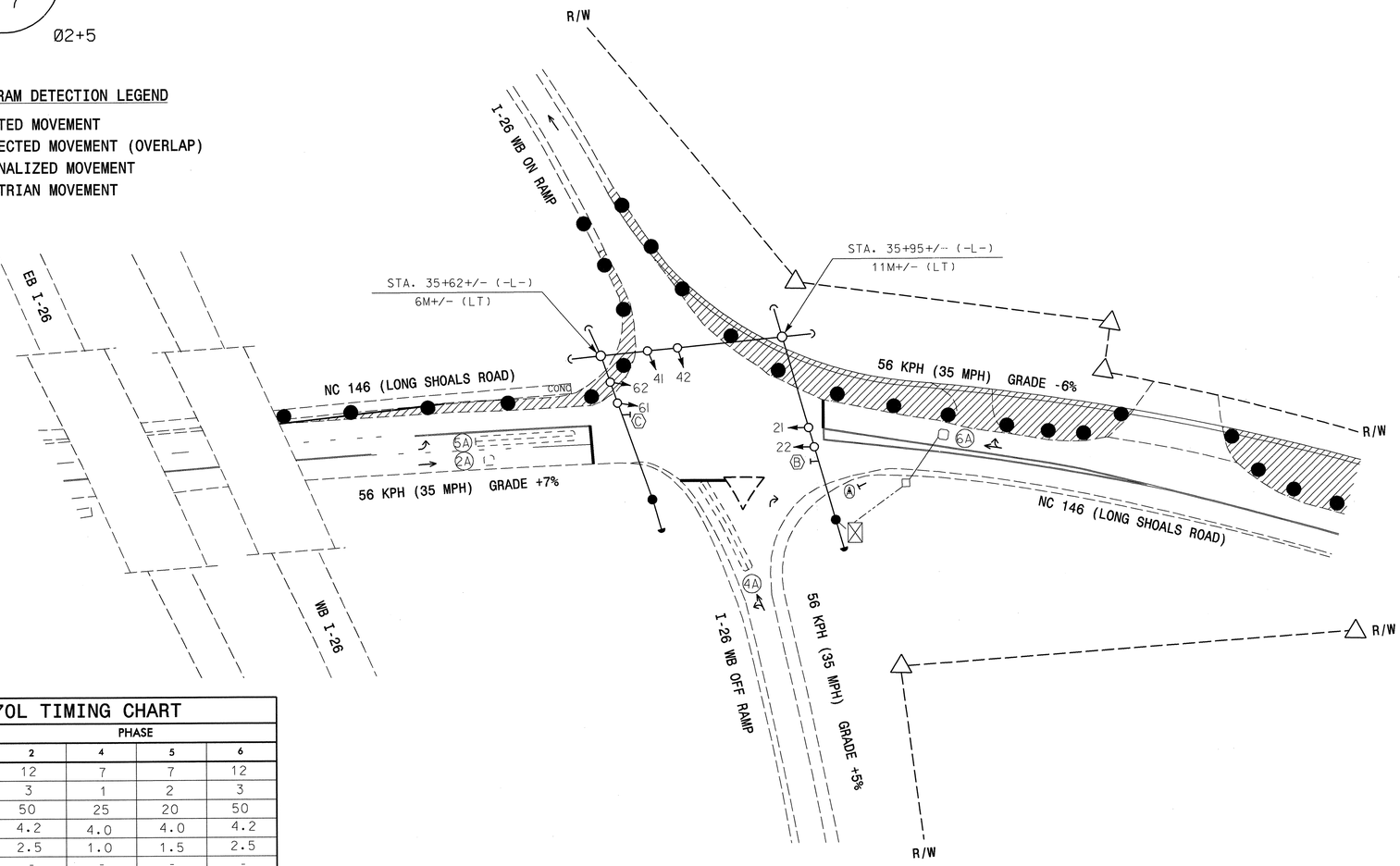
3 Phase Actuated
(Isolated)

NOTES

1. REFER TO "ROADWAY STANDARD DRAWINGS NCDOT", DATED JANUARY 2002 AND "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2002.
2. SET ALL DETECTOR UNITS TO PRESENCE MODE.

PLAN QUANTITIES

Pay Item	Meters
Signal Cable	205
Messenger Cable	100
Lead-in Cable	15



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	
	50mm Underground Conduit	
N/A	Right of Way with Marker	
	Directional Arrow	
(A)	"YIELD" Sign (R1-2)	(A)
(B)	No Right Turn Sign (R3-1)	(B)
(C)	No Left Turn Sign (R3-2)	(C)
	Construction Zone	
	Construction Barrels	

2070L TIMING CHART

FEATURE	PHASE 2	PHASE 4	PHASE 5	PHASE 6
Min Green 1 *	12	7	7	12
Extension 1 *	3	1	2	3
Max Green 1 *	50	25	20	50
Yellow Clearance	4.2	4.0	4.0	4.2
Red Clearance	2.5	1.0	1.5	2.5
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	-	-	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.

TEMPORARY SIGNAL 1 - PHASE I - TCP 4

PLANS PREPARED BY :
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FOR
DIVISION OF HIGHWAYS

Prepared for the Offices of:
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Signals and Geometrics Section
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SCALE 5 0 10 — 1 : 500

NC 146 (LONG SHOALS ROAD)
AT
I-26 WB RAMPS

DIVISION 13 BUNCOMBE COUNTY ASHEVILLE

PLAN DATE:	02-05-04	REVIEWED BY:	D. MORTON
PREPARED BY:	C.B. HOLDEN	RK&K PROJECT NO.	302-079-SIG4

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 19798 ENGINEER DONALD W. MORTON

Donald W. Morton 2-26-04
SIGNATURE DATE

SIG. INVENTORY NO. 13-0431T1