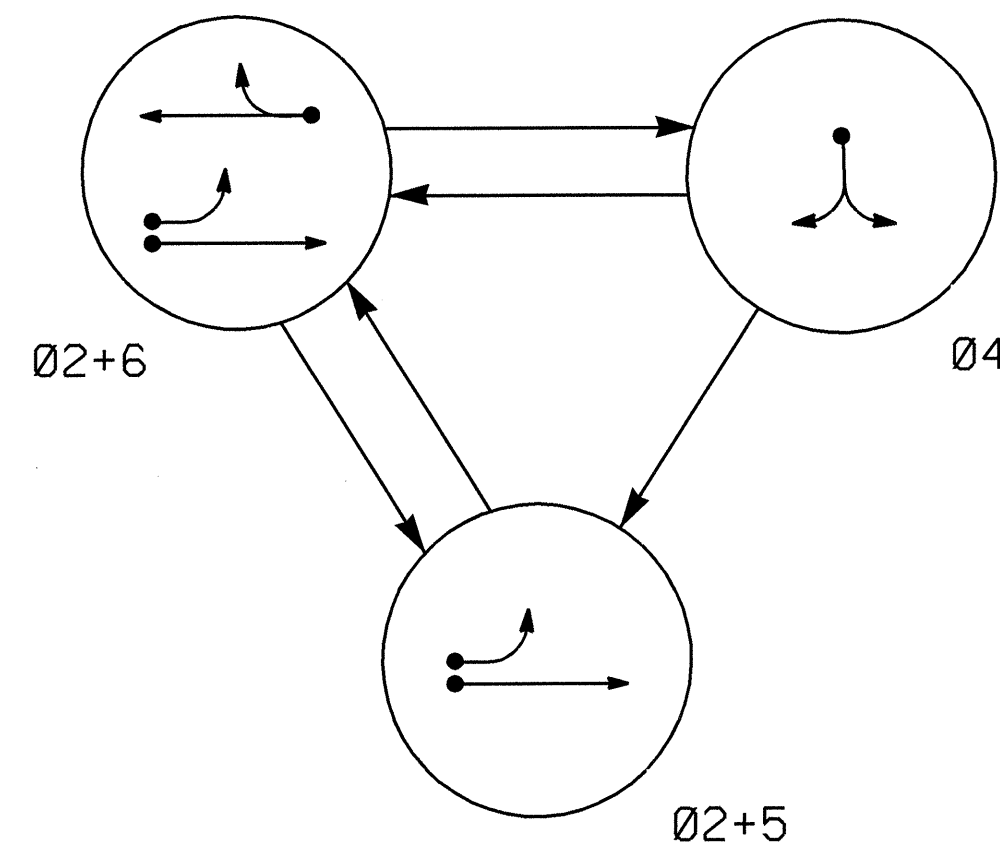
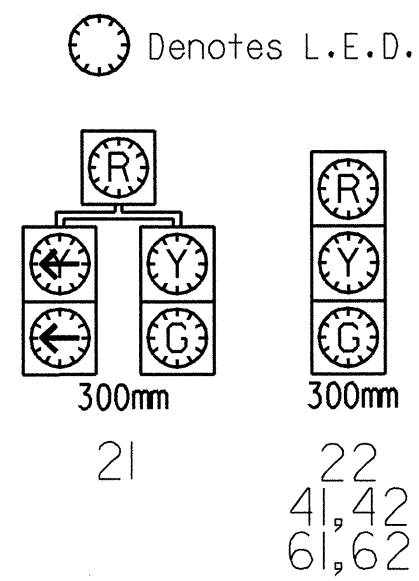


PHASING DIAGRAM



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

SIGNAL FACE I.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	Y	2	Y	Y	-	-	-	-	Y
4A	1.8X1.8	2-4-2	0	Y	4	Y	Y	-	-	-	5	Y
5A	1.8X1.8	2-4-2	0	Y	2	Y	Y	-	-	-	15	Y
6A	1.8X1.8	4	21	Y	6	Y	Y	-	-	-	-	Y

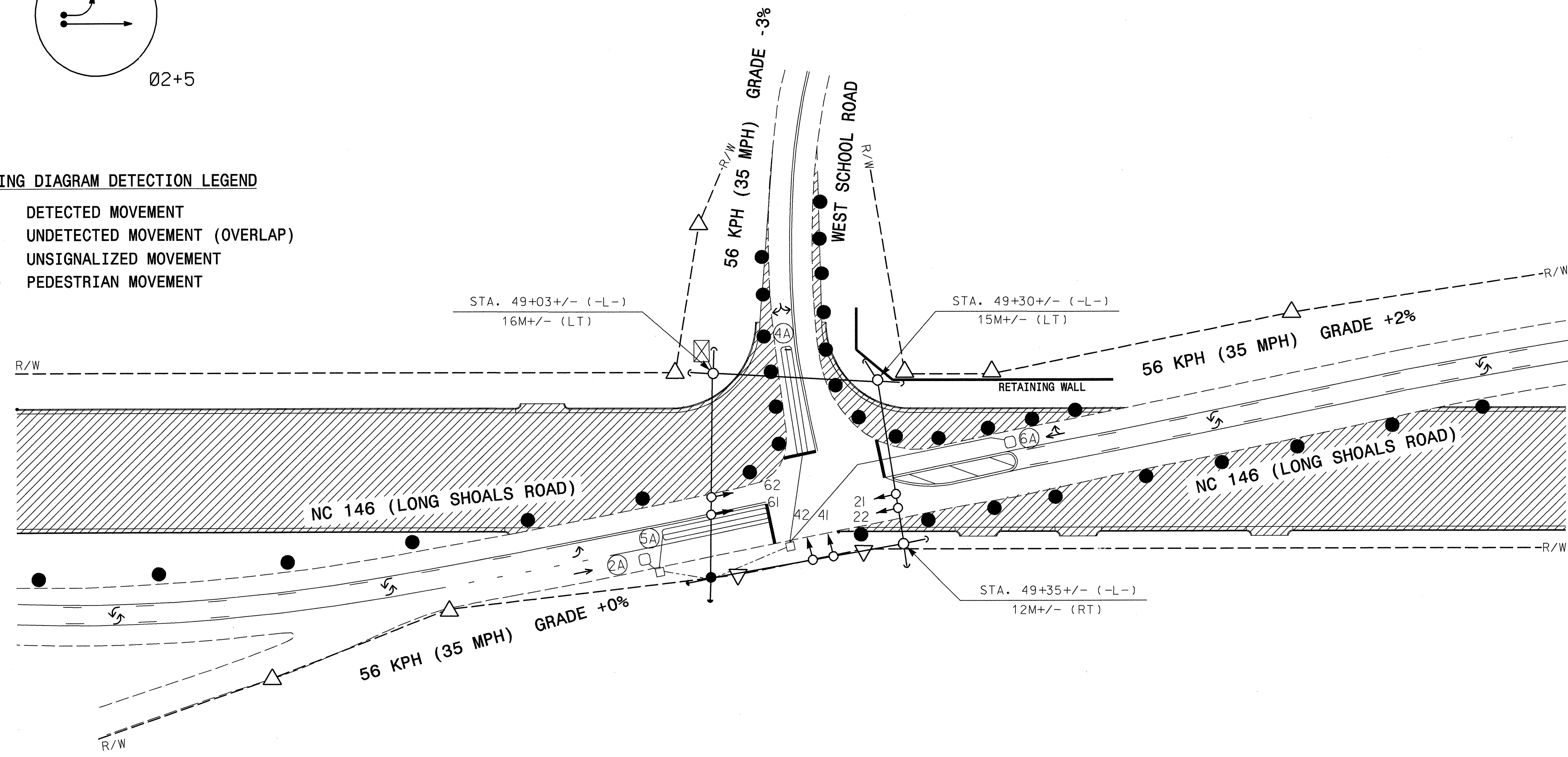
3 Phase Actuated (Isolated)

NOTES

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

PHASING DIAGRAM DETECTION LEGEND

- ←● DETECTED MOVEMENT
- ← UNDETECTED MOVEMENT (OVERLAP)
- ←- UN SIGNALIZED MOVEMENT
- ←- PEDESTRIAN MOVEMENT



PLAN QUANTITIES	
Pay Item	Meters
Signal Cable	180
Messenger Cable	125
Lead-in Cable	280

FEATURE	PHASE			
	2	4	5	6
Min Green 1 *	12	7	7	12
Extension 1 *	3	1	1	3
Max Green 1 *	60	25	20	60
Yellow Clearance	4.0	4.0	4.0	4.0
Red Clearance	1.0	1.0	1.0	1.0
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	-	-	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.

LEGEND	
PROPOSED	EXISTING
○→ Traffic Signal Head	●→ N/A
●→ Modified Signal Head	○→ N/A
⊥ Sign	⊥ N/A
⊥ Pedestrian Signal Head With Push Button & Sign	⊥ N/A
○→ Signal Pole with Guy	●→ Signal Pole with Guy
○→ Signal Pole with Sidewalk Guy	●→ Signal Pole with Sidewalk Guy
⊠ Inductive Loop Detector	⊠ Inductive Loop Detector
⊠ Controller & Cabinet	⊠ Controller & Cabinet
□ Junction Box	□ Junction Box
--- 50mm Underground Conduit	--- 50mm Underground Conduit
N/A Right of Way with Marker	△ Right of Way with Marker
→ Directional Arrow	→ Directional Arrow
▨ Construction Zone	▨ Construction Zone
● Construction Barrels	● Construction Barrels

TEMPORARY SIGNAL 1 - PHASE I TCP 8

<p><b>PLANS PREPARED BY :</b> RUMMEL KLEPPER &amp; KAHL, LLP consulting engineers 5800 FARINGDON PLACE SUITE 105 RALEIGH, NORTH CAROLINA 27609-3960</p>	<p>Prepared for the Offices of: 122 N. McDowell St., Raleigh, NC 27603</p>	<p>NC 146 (LONG SHOALS ROAD) AT WEST SCHOOL ROAD</p>		
		<p>DIVISION 13 BUNCOMBE COUNTY ASHEVILLE</p>		
<p>FOR DIVISION OF HIGHWAYS</p>		<p>PLAN DATE: 02-02-04 REVIEWED BY: D. MORTON</p>	<p>PREPARED BY: J. COLE RK&amp;K PROJECT NO. 302-079-SIG4</p>	<p>DATE: 2-26-04</p>
<p>SCALE: 1 : 500</p>		<p>REVISIONS: INIT. DATE</p>		<p>SIG. INVENTORY NO. 13-0710T1</p>