METRIC	PROJECT REFERENCE NO.	SHEET NO.
	U-2717	SIG.33

PHASING DIAGRAM

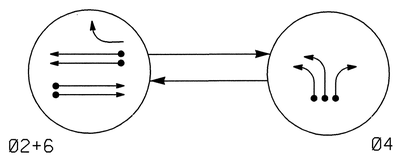
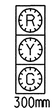


TABLE OF OPERATION			
SIGNAL FACE	PHASE		
	Ø2+6	Ø4	FLASH
21,22	G	R	Y
41,42	R	G	R
61,62	G	R	Y

SIGNAL FACE I.D.

Denotes L.E.D.



21,22
41,42
61,62

TIMING CHART
PEEK TS-2 CONTROLLER AND CABINET

PHASE	Ø2	Ø4	Ø6
MINIMUM GREEN	12 SEC.	7 SEC.	12 SEC.
PASSAGE/GAP	2.0 SEC.	1.0 SEC.	3.0 SEC.
YELLOW CHANGE INT.	4.7 SEC.	4.0 SEC.	4.7 SEC.
RED CLEARANCE	1.5 SEC.	2.0 SEC.	1.5 SEC.
MAXIMUM 1	60 SEC.	25 SEC.	60 SEC.
RECALL POSITION	MIN. RECALL	NONE	MIN. RECALL
VEHICLE CALL MEMORY	LOCK	NONLOCK	LOCK

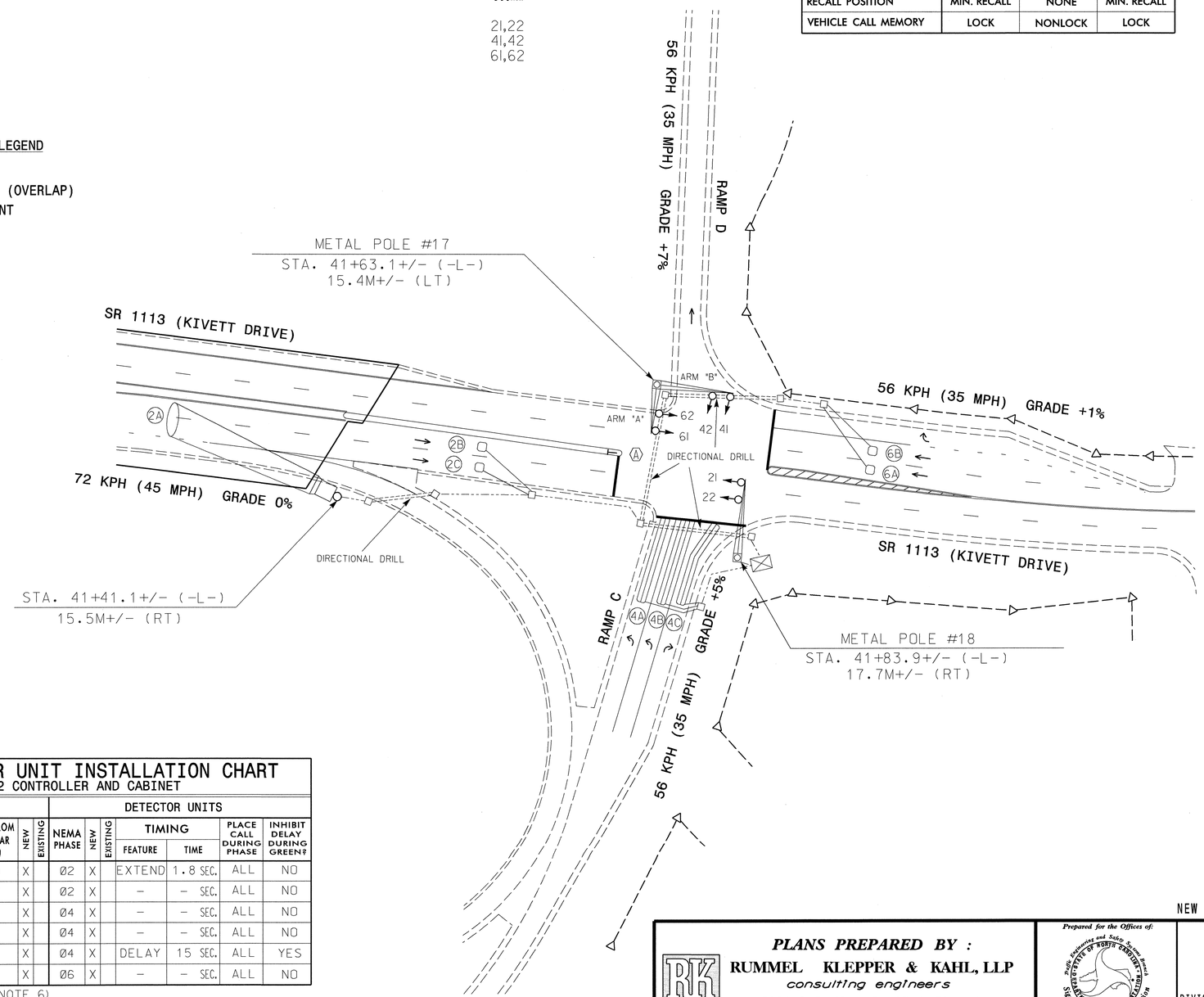
2 Phase Actuated
(High Point City Signal System)

NOTES

1. REFER TO "ROADWAY STANDARD DRAWINGS NCDOT" - RALEIGH, NC, DATED JANUARY 2002 AND "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2002.
2. LOCATE NEW CABINET SO AS NOT TO OBSTRUCT SIGHT DISTANCE OF VEHICLES TURNING RIGHT ON RED.
3. MAXIMUM TIMES SHOWN IN TIMING CHART ARE FOR FREE-RUN OPERATIONS ONLY. COORDINATED SIGNAL SYSTEM TIMING VALUES SHALL SUPERSEDE THESE VALUES.
4. DO NOT PROGRAM SIGNAL FOR FOR LATE NIGHT FLASHING OPERATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
5. SET ALL DETECTOR UNITS TO PRESENCE MODE.
6. MICROWAVE TRAFFIC DETECTOR SHALL BE FIELD ADJUSTED.
7. SIGNAL SYSTEM INTERSECTION ID # 713

PHASING DIAGRAM DETECTION LEGEND

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



PLAN QUANTITIES

Pay Item	Meters
Signal Cable	205
Messenger Cable	—
Lead-in Cable	160

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	
	Junction Box	
	50mm Underground Conduit	
	Directional Drill	
	2-50 mm Polyethylene Conduit	
N/A	Right of Way with Marker	
	Directional Arrow	
	Metal Pole with Mastarm	
	Controller & Cabinet	
	Microwave Detector	
	Microwave Detection Zone	
	NO LEFT TURN SIGN (R3-2)	

LOOP & DETECTOR UNIT INSTALLATION CHART
PEEK TS-2 CONTROLLER AND CABINET

INDUCTIVE LOOPS						DETECTOR UNITS						
LOOP NO.	SIZE (m)	TURNS	DIST. FROM STOPBAR (m)	NEW	EXISTING	NEMA PHASE	NEW	EXISTING	TIMING FEATURE	TIMING TIME	PLACE CALL DURING PHASE	INHIBIT DELAY DURING GREEN?
2A**	1.8X7.0*	N/A	90	X		Ø2	X		EXTEND	1.8 SEC.	ALL	NO
2B, 2C	1.8X1.8	4	27	X		Ø2	X		—	— SEC.	ALL	NO
4A	1.8X1.8	2-4-2	0	X		Ø4	X		—	— SEC.	ALL	NO
4B	1.8X1.8	2-4-2	0	X		Ø4	X		—	— SEC.	ALL	NO
4C	1.8X1.8	2-4-2	0	X		Ø4	X		DELAY	15 SEC.	ALL	YES
6A, 6B	1.8X1.8	4	21	X		Ø6	X		—	— SEC.	ALL	NO

* ZONE OF DETECTION (SEE NOTE 6)
** MICROWAVE DETECTOR

NEW SIGNAL INSTALLATION

PLANS PREPARED BY :
RUMMEL KLEPPER & KAHL, LLP
consulting engineers
5800 FARINGDON PLACE SUITE 105
RALEIGH, NORTH CAROLINA 27609-3960
FOR
DIVISION OF HIGHWAYS

Prepared for the Offices of: Traffic Engineering and Safety Systems Branch, Signals and Geometrics Section, Division of Highways, State of North Carolina, Department of Transportation
122 N. McDowell St., Raleigh, NC 27603

SCALE 5 0 10
1 : 500

SR 1113 (KIVETT DRIVE)
AT
US 29-70, I-85 BUS
RAMP 'C' & RAMP 'D'

DIVISION 07 GUILFORD COUNTY HIGH POINT

PLAN DATE: 03-19-04 REVIEWED BY: D. MORTON
PREPARED BY: C.B. HOLDEN R&K PROJECT NO. 302-079-SIG5

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 19798 ENGINEER DONALD W. MORTON
SIGNATURE 6-15-04 DATE
SIG. INVENTORY NO. 07-1579