

21,22

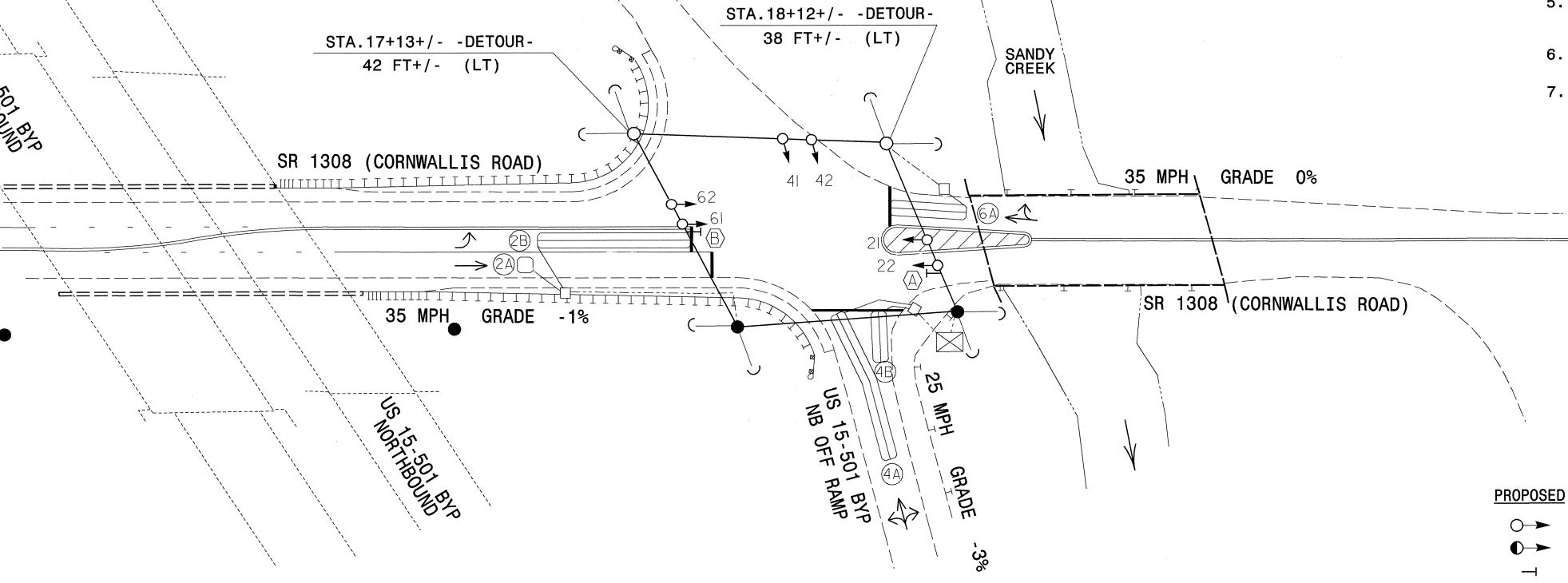
41,42

61,62

PLAN QUANT	ITIES
Pay Item	Feet
Signal Cable	450
Messenger Cable	350
Lead-in Cable	435

NOTES

- 1. REFER TO "ROADWAY STANDARD DRAWINGS NCDOT", 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. SET ALL DETECTOR UNITS TO PRESENCE MODE.
- 5. DO NOT PROGRAM SIGNAL FOR LATE NIGHT FLASHING OPERATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 6. PROGRAM ALL TIMING INFORMATION INTO PHASE BANKS 1, 2, AND 3 UNLESS OTHERWISE NOTED.
- 7. SET PHASE BANK 3 MAXIMUM LIMIT TO 250 SECONDS FOR PHASES USED.



TIMING CHART 170 CONTROLLER									
PHASE	Ø 2	2	Ø4		Ø6				
MINIMUM INITIAL	10	SEC.	7	SEC.	10	SEC.			
VEHICLE EXTENSION	4.0	SEC.	1.0	SEC.	4.0	SEC.			
YELLOW CHANGE INT.	4.0	SEC.	4.0	SEC.	4.0	SEC.			
RED CLEARANCE	1.5	SEC.	2.0	SEC.	1.5	SEC.			
MAXIMUM LIMIT	35	SEC.	20	SEC.	35	SEC.			
RECALL POSITION	VEH RECALL		NOI	ΝE	VEH RECALL				
VEHICLE CALL MEMORY	YELLOW LOCK		NOI	NE	YELLOW	LOCK			
DOUBLE ENTRY	OF	F	OF	F	OFF				
WALK	_	SEC.		SEC.		SEC			
FLASHING DON'T WALK		SEC.	_	SEC.		SEC.			
TYPE 3 LIMIT		SEC.		SEC.	_	SEC.			
ALTERNATE EXTENSION	_	SEC.		SEC.		SEC.			
ADD PER VEHICLE		SEC.		SEC.		SEC.			
MAXIMUM INITIAL		SEC.		SEC.	_	SEC.			
MAXIMUM GAP	4.0	SEC.	1.0	SEC.	4.0	SEC.			
REDUCE 0.1 SEC EVERY		SEC.		SEC.	_	SEC			
MINIMUM GAP	4.0	SEC.	1.0	SEC.	4.0	SEC			

Ø2+6

PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNSIGNALIZED MOVEMENT

PEDESTRIAN MOVEMENT

4

UNDETECTED MOVEMENT (OVERLAP)

DETECTOR ZONE AND CONTROLLER INSTALLATION CHART 170 CONTROLLER AND CABINET																		
DETECTOR ZONES					OLLER PROGRAMMING ATTRIBUTES							ZONES	STATUS					
	SIZE	DIST. FROM	3	NEMA	TIMING		TIME T	TRIAN LL	«VED ∞	4	5 NOIS	6 С	7 CALLING	ALTERNATE 00	SYSTEM DETECTION 2	NEW	EXISTING	
ZONE NO.	ZONE NO. SIZE STOPBAR (FT)	Ä	EXISTING	PHASE		FULL	DELAY PEDESTRIAN CALL	RESERVED	COUNT	EXTENSION	TYPE	CALI	ALTER	DETEC	Z	Ä		
2 A	6X6	70	X		Ø2	— SEC.	— SEC.					Χ		Χ			Χ	
2B	6X60	0	X		Ø2	— SEC.	— SEC.					Χ		Χ			Χ	
4 A	6X60	0	X		Ø4	5 SEC.	— SEC.					Χ		Χ			Χ	
4B	6X20	0	X		Ø4	10 SEC.	— SEC.					Χ		Χ			Χ	
6A	6X30	0	X		Ø6	— SEC.	— SEC.					Χ		Χ			Χ	

Traffic Signal Head

Modified Signal Head

N/A

Sign

Signal Pole with Guy

Signal Pole with Sidewalk Guy

Inductive Loop Detector

Controller & Cabinet

Junction Box

2" Underground Conduit

Directional Arrow

No Right Turn Sign (R3-1)

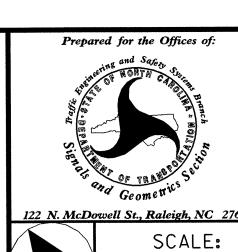
No Left Turn Sign (R3-2)

LEGEND

EXISTING



DIVISION OF HIGHWAYS



US 15-501 BYP NB RAMP
AT
SR 1308 (CORNWALLIS ROAD
DIVISION 05 DURHAM COUNTY

NEW INSTALLATION

