2 Phase Fully Actuated (Isolated)

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Enable Backup Prevent to allow the controller ot clear from phase 2+6 to 2+5 by progressing through and all red display.
- 4. Set all detector units to presence mode.
- 5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.

<u>LEGEND</u>

Traffic Signal Head

Modified Signal Head

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

Right of Way Permanent Easement Temporary Easement Directional Arrow

Construction Zone

<u>EXISTING</u>

-

N/A

DOCUMENT NOT CONSIDERED

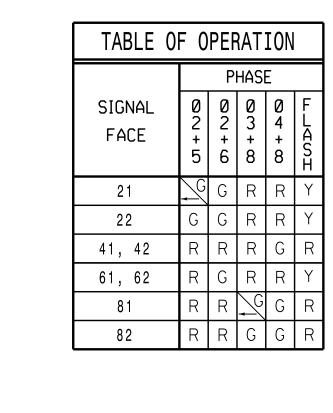
FINAL UNLESS ALL SIGNATURES COMPLETED

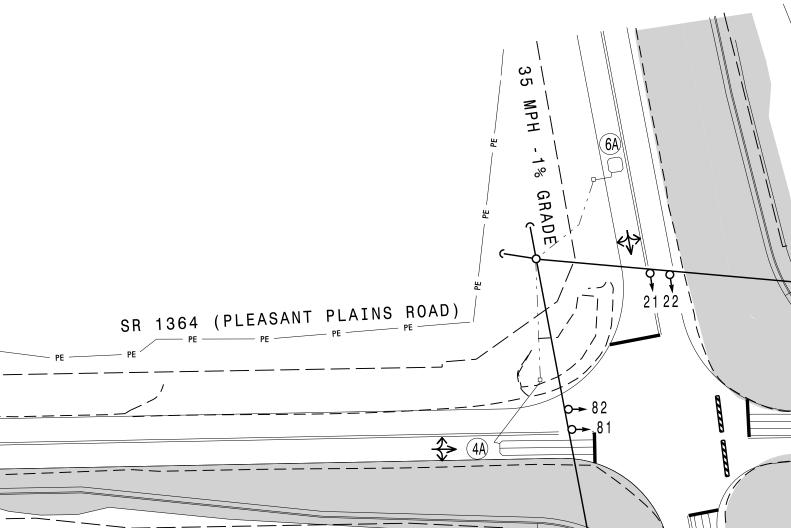
043914

R. Nicholas Zinser 12/05/202

SIG. INVENTORY NO. 10-0696T1

	MAXTIME DETECTOR INSTALLATION CHART												
	DETECTOR						PROGRAMMING						
	LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
	2 A	6 X 6	70	3	Χ	2	-		Χ	-	Χ	1	Χ
	4 A	6 X 4 O	0	2 - 4 - 2	Χ	4	3.0	-	Χ	-	Χ	ı	Χ
	5 A	6 X 4 0	0	2 - 4 - 2	$ _{X} $	5	15.0		Χ	•	Χ	ı	Χ
	J A	0 / 4 0	U	2-4-2	^	2	-	-	Χ	-	Χ	-	Χ
	6 A	6 X 6	70	4	Χ	6	-	-	Χ	1	Χ	ı	Χ
	8 A	6 X 4 0	0	2 - 4 - 2	X	3	15.0	-	Χ	-	Χ	-	Χ
						8	5.0	-	Χ	-	Χ	-	Χ





35 MPH +2% GRADE SR 1364 (PLEASANT PLAINS ROAD) 35 MPH +1% GRADE (POTTER

ROAD)

SIGNAL FACE I.D.

All Heads L.E.D.

22

41, 42

61, 62 82

	MA	AXTIME	TIMIN	G CHAR	lT .			
FEATURE	PHASE							
FEATURE	2	3	4	5	6	8		
Walk *	-	-	-	-	_	_		
Ped Clear *	-	_	-	_	_	_		
Min Green	10	7	7	7	10	7		
Passage *	3.0	2.0	2.0	2.0	3.0	2.0		
Max 1 *	70	15	30	15	70	30		
Yellow Change	3.8	3.0	3.8	3.0	3.9	3.7		
Red Clear	1.0	1.4	1.0	1.6	1.1	1.0		
Red Revert	5.0	2.0	2.0	2.0	2.0	2.0		
Added Initial *	-	_	-	_	_	_		
Maximum Initial *	_	_	_	-	_	_		
Time Before Reduction *	_	_	_	_	_	_		
Time To Reduce *	-	-	-	-	_	-		
Minimum Gap	-	_	-	_	_	_		
Advance Walk	-	_	_	_	_	_		
Non Lock Detector	-	Х	Х	Х	_	Х		
Walatala Basall	AAINI DECALL				AAINI DECALL			

PHASING DIAGRAM

02+6

02+5

03+8

04+8

PHASING DIAGRAM DETECTION LEGEND

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

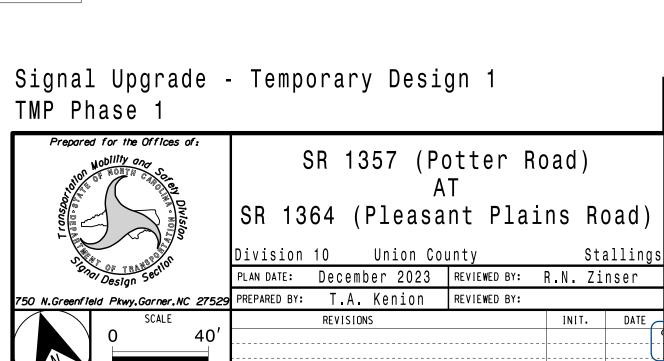
DETECTED MOVEMENT

<−−> PEDESTRIAN MOVEMENT

* 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.

POLE	LOCATION	DIAGRAM
STA: 19+10 -L- OFF: 70' LT.	00+6d	STA: 18+80 -L- OFF: 43' RT.
	+00	25+00 -γι-
STA: 17+68 -L- OFF: 63' LT.		STA: 17+52 -L- 0FF: 44' RT.

This plan supersedes the plan signed and sealed on 8/11/23.



1"=40'

<u>PROPOSED</u>

 \bigcirc

N/A

Vehicle Recall Dual Entry