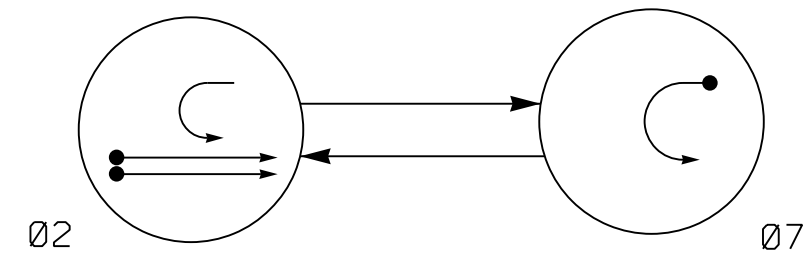
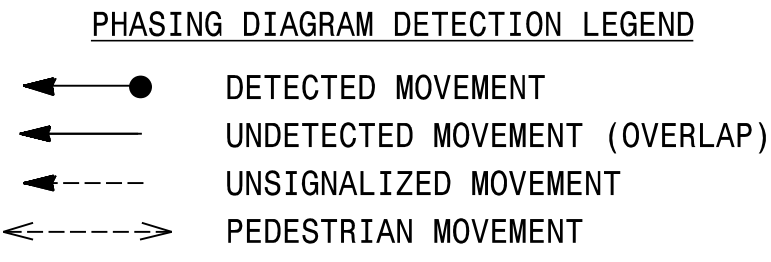
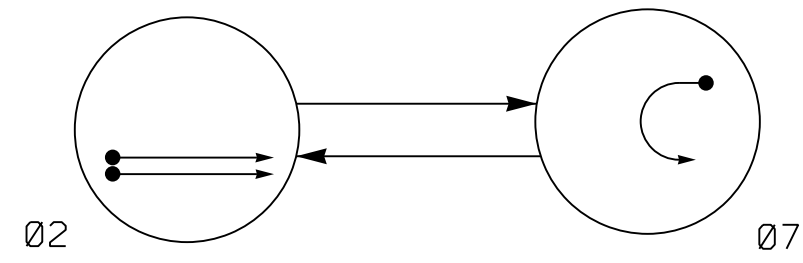


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



DEFAULT PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø 2	Ø 7	FLASH
21,22	↑	R	Y
71	←	←	←
72	←	←	←

ALTERNATE PHASING TABLE OF OPERATION

SIGNAL FACE	PHASE		
	Ø 2	Ø 7	FLASH
21,22	↑	R	Y
71	←	←	←
72	←	←	←

MAXTIME DETECTOR INSTALLATION CHART

LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND INITIAL	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
2A	6X6	300	4	X	2	-	-	X	X	X	-	X
2B	6X6	300	4	X	2	-	-	X	X	X	-	X
7A	6X40	0	2-4-2	X	7	15#	-	X	-	X	-	X

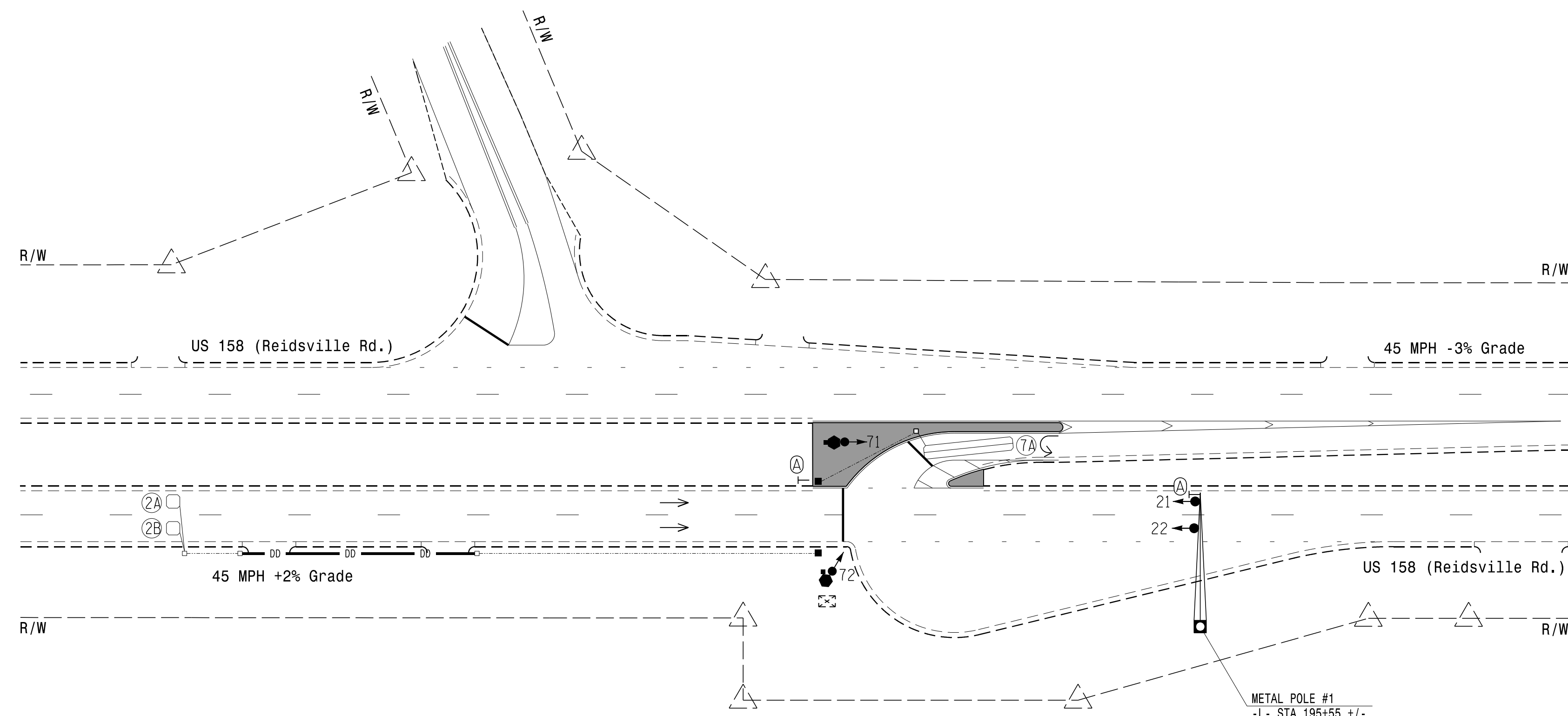
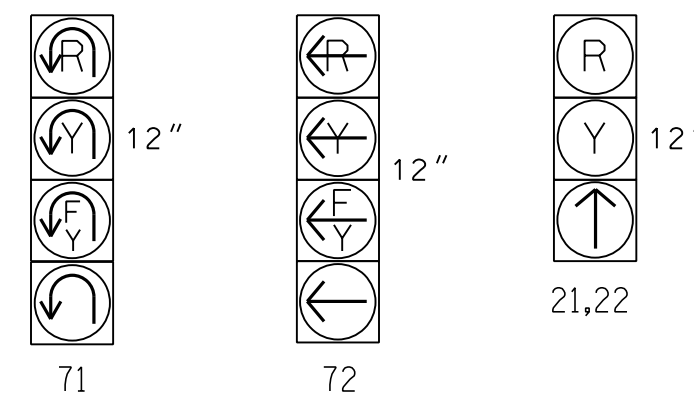
# Disable Delay During Alternate Phasing Operation.

2 Phase Fully Actuated (US 158 Signal System) Signal System #: D09-11\_Winston-Salem NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Reposition existing signal heads numbered 61 and 62.
- Set all detector units to presence mode.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

SIGNAL FACE I.D.

All Heads L.E.D.

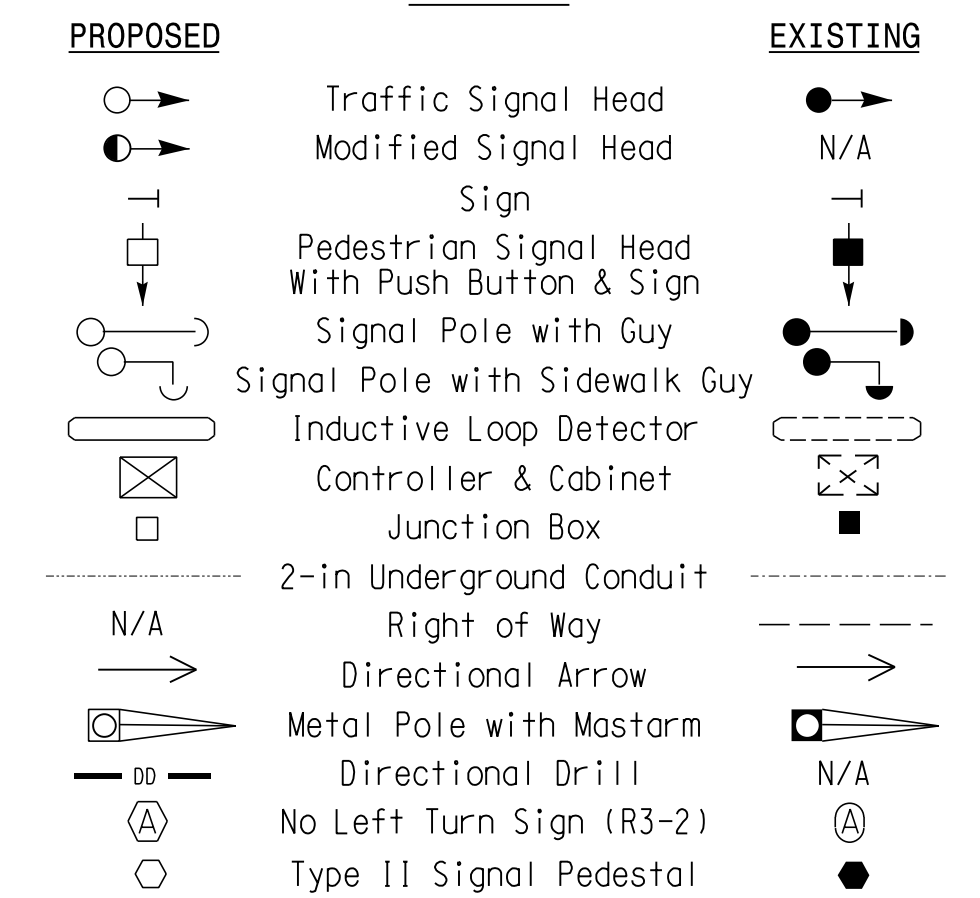


MAXTIME TIMING CHART

FEATURE	PHASE	
	2	7
Walk *	-	-
Ped Clear *	-	-
Min Green	12	7
Passage *	6.0	2.0
Max I *	90	30
Yellow Change	4.3	3.0
Red Clear	1.0	3.9
Added Initial *	1.5	-
Maximum Initial *	34	-
Time Before Reduction *	15	-
Time To Reduce *	30	-
Minimum Gap	3.0	-
Advance Walk	-	-
Non Lock Detector	-	X
Vehicle Recall	MIN RECALL	-
Dual Entry	-	-

\* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 2 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND



Signal Upgrade - Final Design

Prepared for the Offices of: **US 158 EB (Reidsville Rd.) at U-Turn West of SR 2385 (Darrow Road)**

Division 9 Forsyth County Walkertown

PLAN DATE: February 2024 REVIEWED BY: WP Erickson-Jones

PREPARED BY: H Townsend REVIEWED BY:

SCALE: 0 40 1" = 40'

REVISIONS: INIT. DATE

SEAL: PORTER JONES, ENGINEER, SEAL 056142

DocuSigned by: Porter Jones, 2/12/2024

SIG. INVENTORY NO. 09-0983

**RK&K**

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TRANSPORTATION MOBILITY AND SAFETY DIVISION  
UNIVERSITY OF NORTH CAROLINA  
SCHOOL OF CIVIL AND ENVIRONMENTAL ENGINEERING  
SIGNAL DESIGN SECTION

2/12/2024 R:\Traffic\c4s1\gnal\090983\_s1p.dgn\_XXXXXX.dgn wpjones