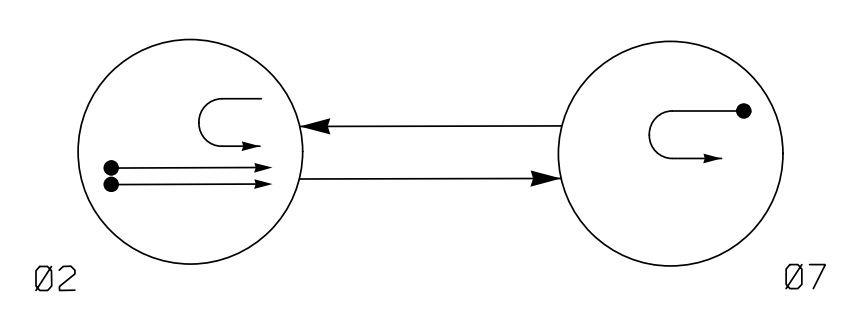
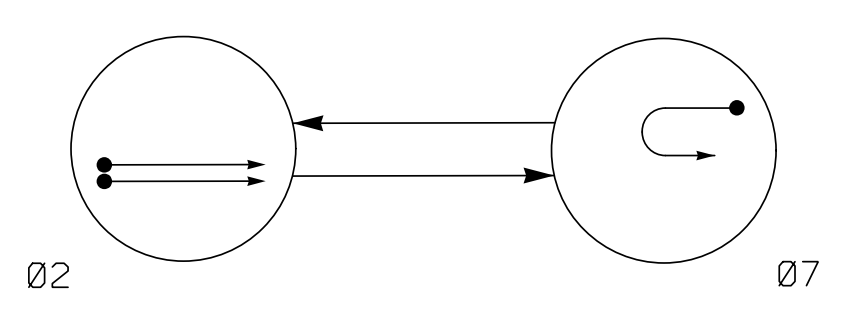


DEFAULT PHASING DIAGRAM



SIGNAL FACE	PHASE		
	Ø 2	Ø 7	FLASH
21, 22	G	R	Y
71	(R)	(Y)	(G)

ALTERNATE PHASING DIAGRAM



SIGNAL FACE	PHASE		
	Ø 2	Ø 7	FLASH
21, 22	G	R	Y
71	(R)	(Y)	(G)

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART												
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	DETECTOR PROGRAMMING				STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
					PHASE	CALLING	EXTENSION	FULL TIME DELAY				
2A	6X6	420	6	Y	2	Y	Y	-	-	-	-	Y
2B	6X6	420	6	Y	2	Y	Y	-	-	-	-	Y
7A	6X40	+5	2-4-2	Y	7	Y	Y	-	-	15*	-	Y

* Disable delay during Alternate Phasing Operation.

2 PHASE FULLY ACTUATED (US 64 & Jenks/Richardson Road Closed Loop System) Signal System: 10534

NOTES

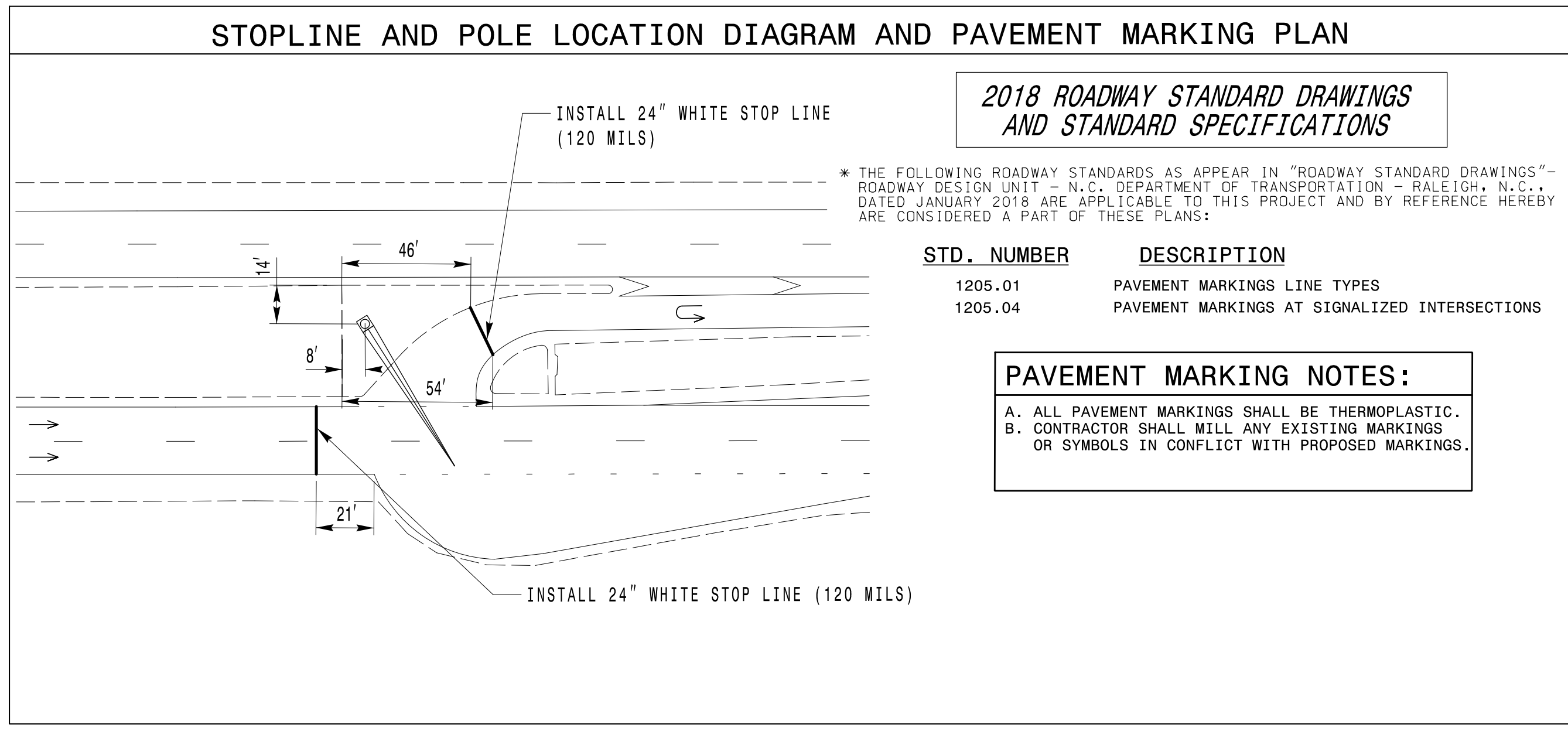
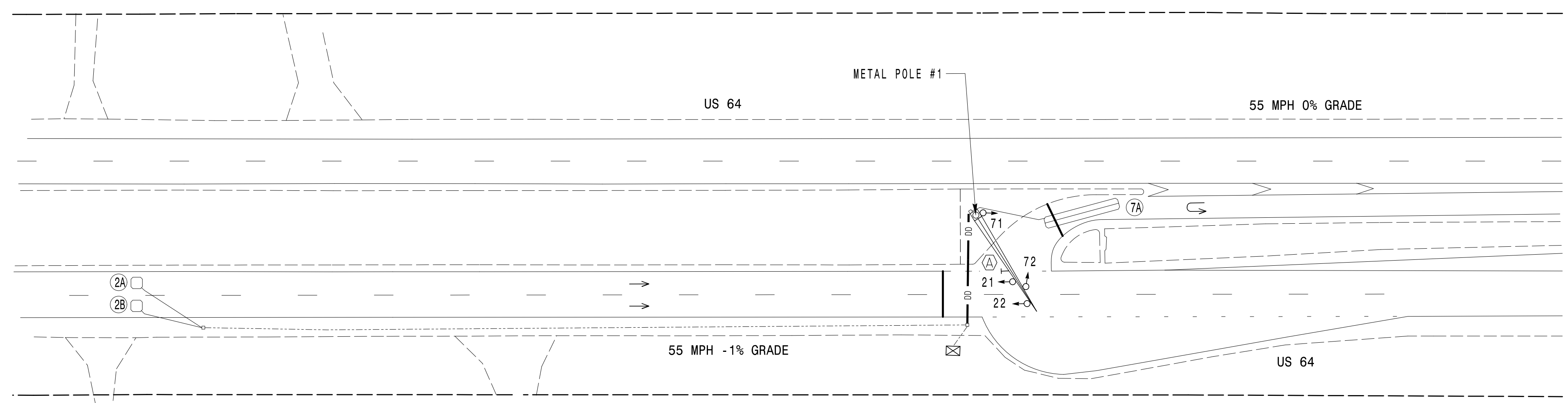
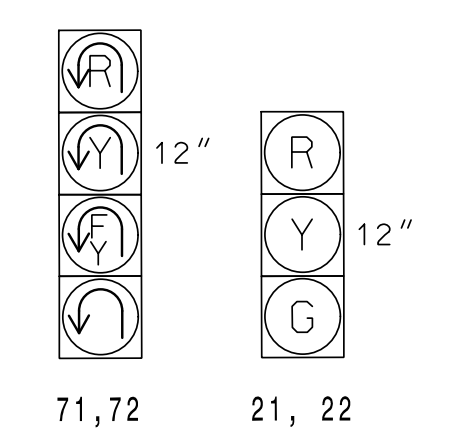
- Refer to "Roadway Standard Drawings NCDOT" dated January 2018, "Standard Specifications for Roads and Structures" dated January 2018, and all applicable sections of the latest version of the generic Project Special Provisions. The PSP can be accessed at the following website: <https://connect.ncdot.gov/resources/safety/Pages/ITS-Design-Resources.aspx>
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- The Division Traffic Engineer will determine the hours of use for each phasing plan.
- Closed loop system data:
Controller asset: #1412

PHASING DIAGRAM DETECTION LEGEND

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

SIGNAL FACE I.D.

All Heads L.E.D.



OASIS 2070 TIMING CHART

FEATURE	PHASE	
	2	7
Min Green 1 *	14	7
Extension 1 *	6.0	2.0
Max Green 1 *	90	30
Yellow Clearance	5.3	3.0
Red Clearance	1.0	3.3
Walk 1 *	-	-
Don't Walk 1	-	-
Seconds Per Actuation *	1.5	-
Max Variable Initial *	46	-
Time Before Reduction *	15	-
Time To Reduce *	45	-
Minimum Gap	3.4	-
Recall Mode	MIN RECALL	-
Vehicle Call Memory	YELLOW	-
Dual Entry	-	-
Simultaneous Gap	ON	ON

* 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

PROPOSED	EXISTING

NC Dept of Transportation
Division of Highways
Final Drawing Date: 6/16/2021
DocuSigned by: *Chang Bai*
ITS & Signals Unit

New Installation

US 64 Eastbound at U-Turn West of Richardson Road

Division 5 Wake County Apex

PLAN DATE: April 2021 REVIEWED BY: SP Pennington

PREPARED BY: CF Davis REVIEWED BY: KP Baumann

REVISIONS	INIT.	DATE

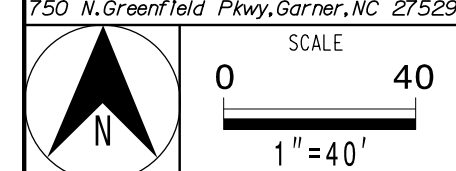
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

6/14/2021

SIG. INVENTORY NO. 05-1412

PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
421 Fayetteville Street, Suite 600
Raleigh, NC 27601
(919) 677-2000



K:\RAL\TPTDK\SIGNALS\4018995005 Westford Signal\10534 - Signal Design\1.0 05-1412-2021.dgn 6/14/2021 1:54:34 PM Crd/g.Davis