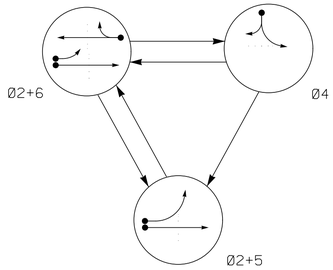
PROJECT REFERENCE NO.	SHEET NO.
U-5907	SIG. 2.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

TABLE OF OPERATION

SIGNAL FACE	PHASE Ø2+5	PHASE Ø2+6	PHASE Ø4	FLASH
21, 22	↑	↑	R	Y
41,42	R	R	←	R
43	R	R	→	R
51	←	~~F Y~~	~~R~~	~~Y~~
61, 62, 63	R	G	R	Y

OASIS 2070 LOOP & DETECTOR INSTALLATION CHART

LOOP ZONES					DETECTOR PROGRAMMING						
ZONES	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
2A	6X6	70	✳	Y	2	Y	Y	-	-	-	-	Y
4A	6X40	0	✳	Y	4	Y	Y	-	-	5	-	Y
4B	6X6	0	✳	Y	4	Y	Y	-	-	15	-	Y
5A	6X40	0	✳	Y	5	Y	Y	-	-	15	-	Y
					2	Y	Y	-	-	-	-	Y
6A	6X6	70	✳	Y	6	Y	Y	-	-	-	-	Y

✳ Video Detection Zone

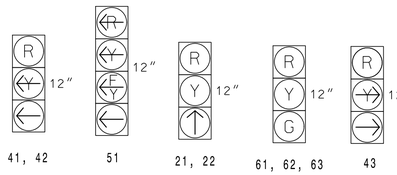
3 Phase
Fully Acutated
(Isolated)

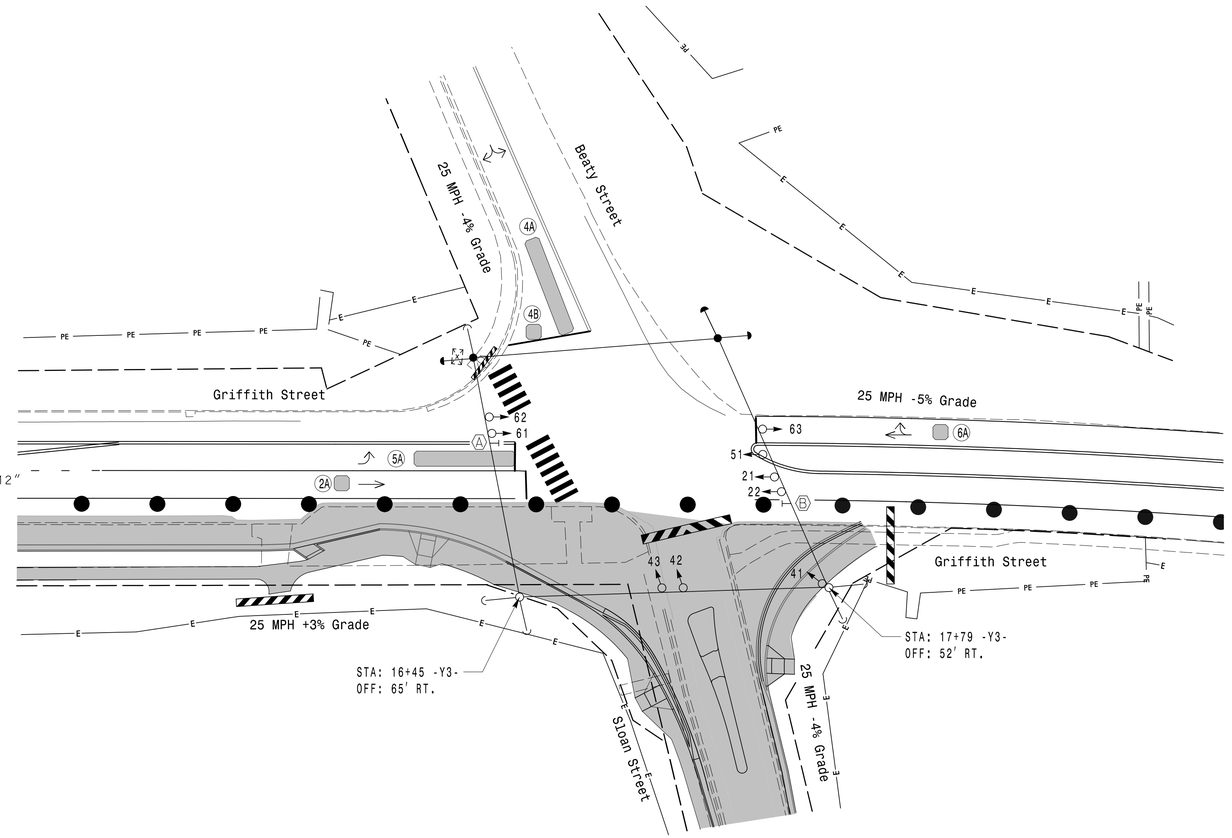
NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 5 may be lagged.
4. Set all detector units to presence mode.
5. Pavement markings are existing.
6. This intersection uses video detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.

SIGNAL FACE I.D.

All Heads L.E.D.





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	●↓
▬	Detector Zones	▬
⊠	Controller & Cabinet	⊠
□	Junction Box	■
·-·-·	2-in Underground Conduit	·-·-·
N/A	Right of Way	————
N/A	Permanent Easement	—PE—
—E—	Temporary Easement	—E—
→	Directional Arrow	→
N/A	Curb Ramp	◢
Ⓐ	No Left Turn Sign (R3-2)	Ⓐ
Ⓑ	No Right Turn Sign (R3-1)	Ⓑ
●—●	Construction Zone Drums	●—●
▭	Construction Zone	▭
▨	Construction Barricade	▨

OASIS 2070 TIMING CHART

FEATURE	PHASE 2	PHASE 4	PHASE 5	PHASE 6
Min Green 1 *	10	7	7	10
Extension 1 *	3.0	2.0	2.0	3.0
Max Green 1 *	45	20	20	45
Yellow Clearance	3.5	3.0	3.0	3.5
Red Clearance	2.4	3.1	1.9	2.4
Walk 1 *	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation *	-	-	-	-
Max Variable Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Recall Mode	MIN RECALL	-	-	MIN RECALL
Vehicle Call Memory	YELLOW	-	-	YELLOW
Dual Entry	-	-	-	-
Simultaneous Gap	ON	ON	ON	ON

* 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.

Signal Upgrade - Temporary Design 1
(TMP Phase 3A)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLANS PREPARED IN THE OFFICE OF:
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(919) 677-2000

Prepared For:
The Town of Davidson
College Town. Lake Town. Your Town.

Griffith Street
at
Sloan Street/Beaty Street

Division 10 Mecklenburg Davidson

PLAN DATE:	July 2023	REVIEWED BY:	KP Baumann
PREPARED BY:	SP Pennington	REVIEWED BY:	

SCALE 0 30 1"=30'

REVISIONS	INIT.	DATE

NORTH CAROLINA PROFESSIONAL SEAL 044434 ENGINEER KEVIN P. BAUMANN

DocuSigned by: 9/19/2023
ENGINEER'S SIGNATURE DATE

SIG. INVENTORY NO. DAVI-1T1