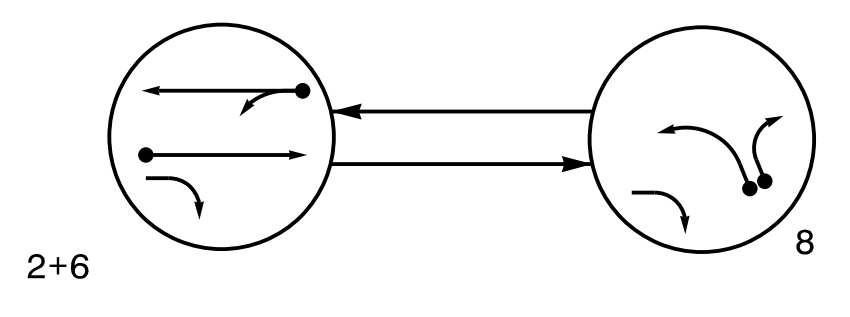


**PHASING DIAGRAM**



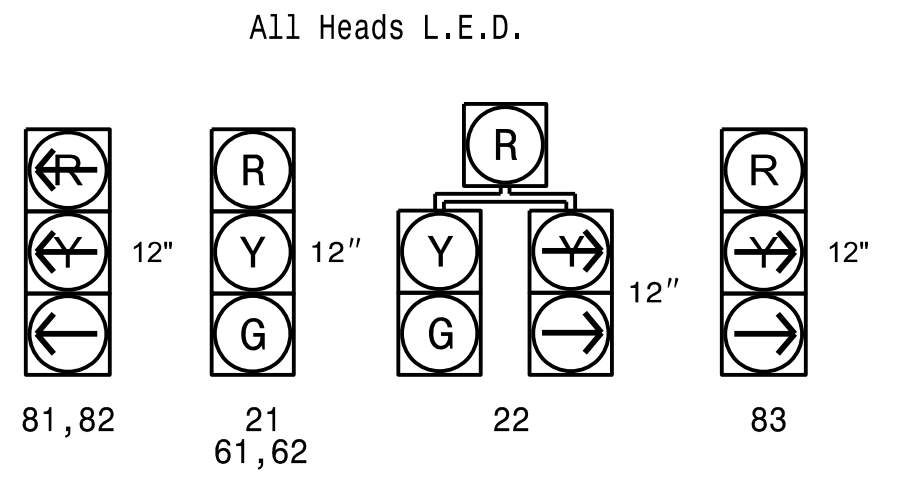
**PHASING DIAGRAM DETECTION LEGEND**

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

**TABLE OF OPERATION**

SIGNAL FACE	PHASE		
	2+6	8	FLASH
21	G	R	R
22	G	R	R
61,62	G	R	R
81,82	R	R	R
83	R	R	R

**SIGNAL FACE I.D.**



**MAXTIME DETECTOR INSTALLATION CHART**

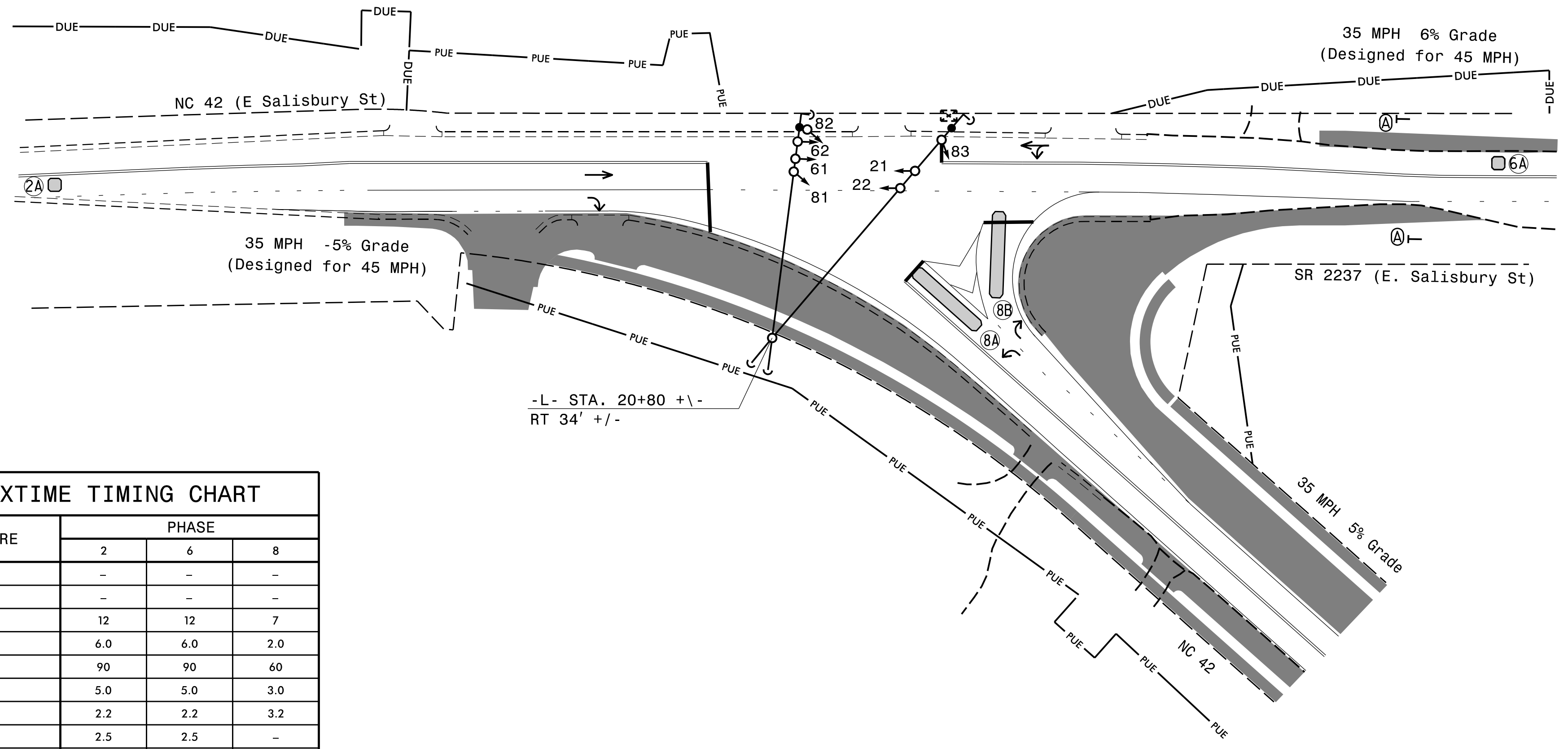
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PROGRAMMING							
					CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN	NEW CARD
2A *	6X6	300	*	*	2	-	-	X	X	X	X	*
6A *	6X6	300	*	*	6	-	-	X	X	X	X	*
8A *	6X40	0	*	*	8	3.0	-	X	-	X	-	*
8B *	6X40	+5	*	*	8	15.0	-	X	-	X	-	*

\* Video Detection

2 Phase Fully Actuated  
 NC 42(Salisbury St)-US 220 Bus(Fayetteville St)  
 Signal System #: D08-18\_Asheboro

**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.
- Set all detector units to presence mode.
- This intersection uses video detection, install according to manufacturer's instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



**MAXTIME TIMING CHART**

FEATURE	PHASE		
	2	6	8
Walk *	-	-	-
Ped Clear	-	-	-
Min Green *	12	12	7
Passage *	6.0	6.0	2.0
Max 1 *	90	90	60
Yellow Change	5.0	5.0	3.0
Red Clear	2.2	2.2	3.2
Added Initial *	2.5	2.5	-
Maximum Initial *	34	34	-
Time Before Reduction *	15	15	-
Time To Reduce *	45	45	-
Minimum Gap	3.0	3.0	-
Advance Walk	-	-	-
Non Lock Detector	-	-	X
Vehicle Recall	MIN RECALL	MIN RECALL	-
Dual Entry	-	-	-

\* These values may be field adjusted.  
 Do not adjust Min Green and Passage times for phases 2 and 6 lower than what is shown.  
 Min Green for all other phases should not be lower than 4 seconds.

**LEGEND**

PROPOSED	EXISTING
○ → Traffic Signal Head	● → Traffic Signal Head
○ → Modified Signal Head	N/A
□ → Sign	N/A
○ → Pedestrian Signal Head With Push Button & Sign	○ → Pedestrian Signal Head
○ → Signal Pole with Guy	○ → Signal Pole with Guy
○ → Signal Pole with Sidewalk Guy	○ → Signal Pole with Sidewalk Guy
▭ → Non-Intrusive Detection Zone	▭ → Non-Intrusive Detection Zone
▭ → Controller & Cabinet Junction Box	▭ → Controller & Cabinet Junction Box
--- → 2-in Underground Conduit	--- → 2-in Underground Conduit
N/A → Right of Way	--- → Right of Way
N/A → Permanent Utility Easement	--- PUE → Permanent Utility Easement
N/A → Permanent Drainage-Utility Easement	--- DUE → Permanent Drainage-Utility Easement
→ → Directional Arrow	→ → Directional Arrow
○ → Construction Zone Drums	○ → Construction Zone Drums
▭ → Construction Zone	▭ → Construction Zone
○ → Type II Signal Pedestal	● → Type II Signal Pedestal
△ → STOP AHEAD SIGN (W3-1)	△ → STOP AHEAD SIGN (W3-1)

Signal Upgrade - Temporary Design 1 (TMP Phase 1)

<p><b>MOTT MACDONALD</b>                  750 N. Greenfield Pkwy, Garner, NC 27529                  MOTT MACDONALD 1 &amp; E, LLC                  930 Main Campus Drive                  Suite 200                  RALEIGH, NC 27606                  License No. F-0669</p>	<p>Prepared For the Offices of:                  TRANSPORTATION MOBILITY and SAFETY DIVISION                  NORTH CAROLINA DEPARTMENT OF TRANSPORTATION                  SIGNAL DESIGN SECTION</p>	<p><b>NC 42 (E. Salisbury St)                  at                  SR 2237 (E. Salisbury St)</b></p> <p>Division 8 Randolph County Asheboro</p> <p>PLAN DATE: February 2026 REVIEWED BY: LD Stouchko                  PREPARED BY: S O'Farrell REVIEWED BY:</p>	<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p>SEAL</p> <p>LD Stouchko                  PROFESSIONAL ENGINEER                  License No. 034437</p>						
	<p>SCALE: 1" = 40'</p>		<table border="1" style="width: 100%;"> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	REVISIONS	INIT.	DATE			
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