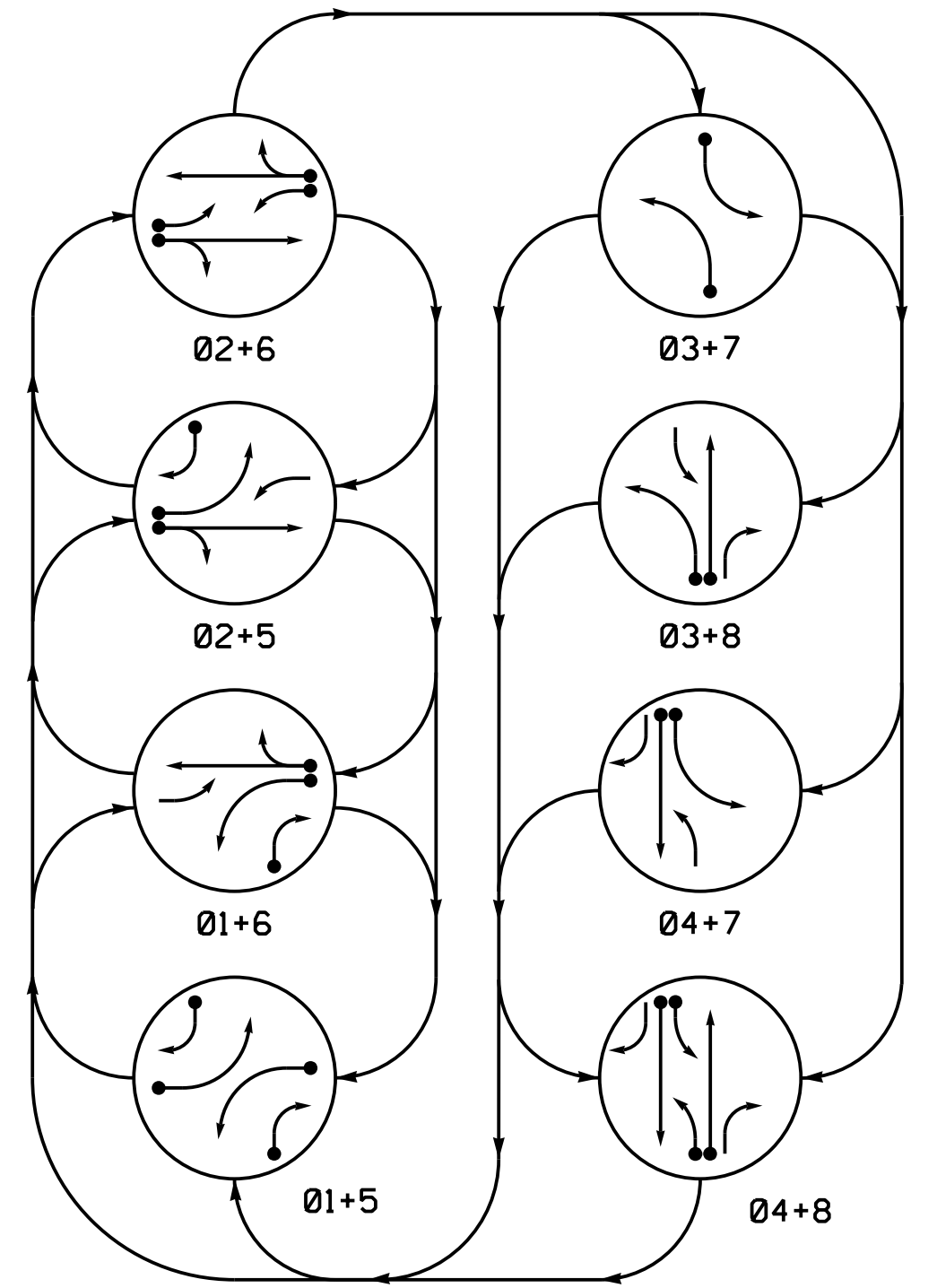
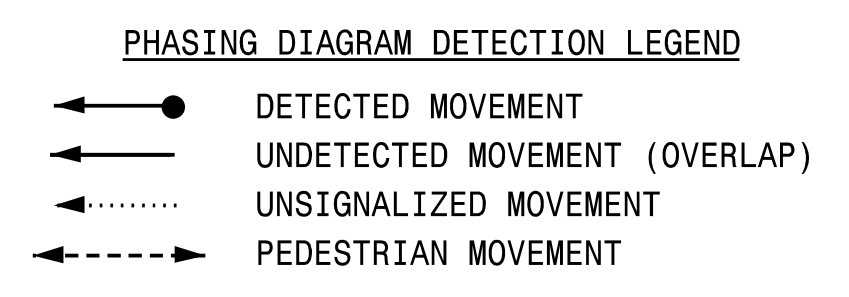
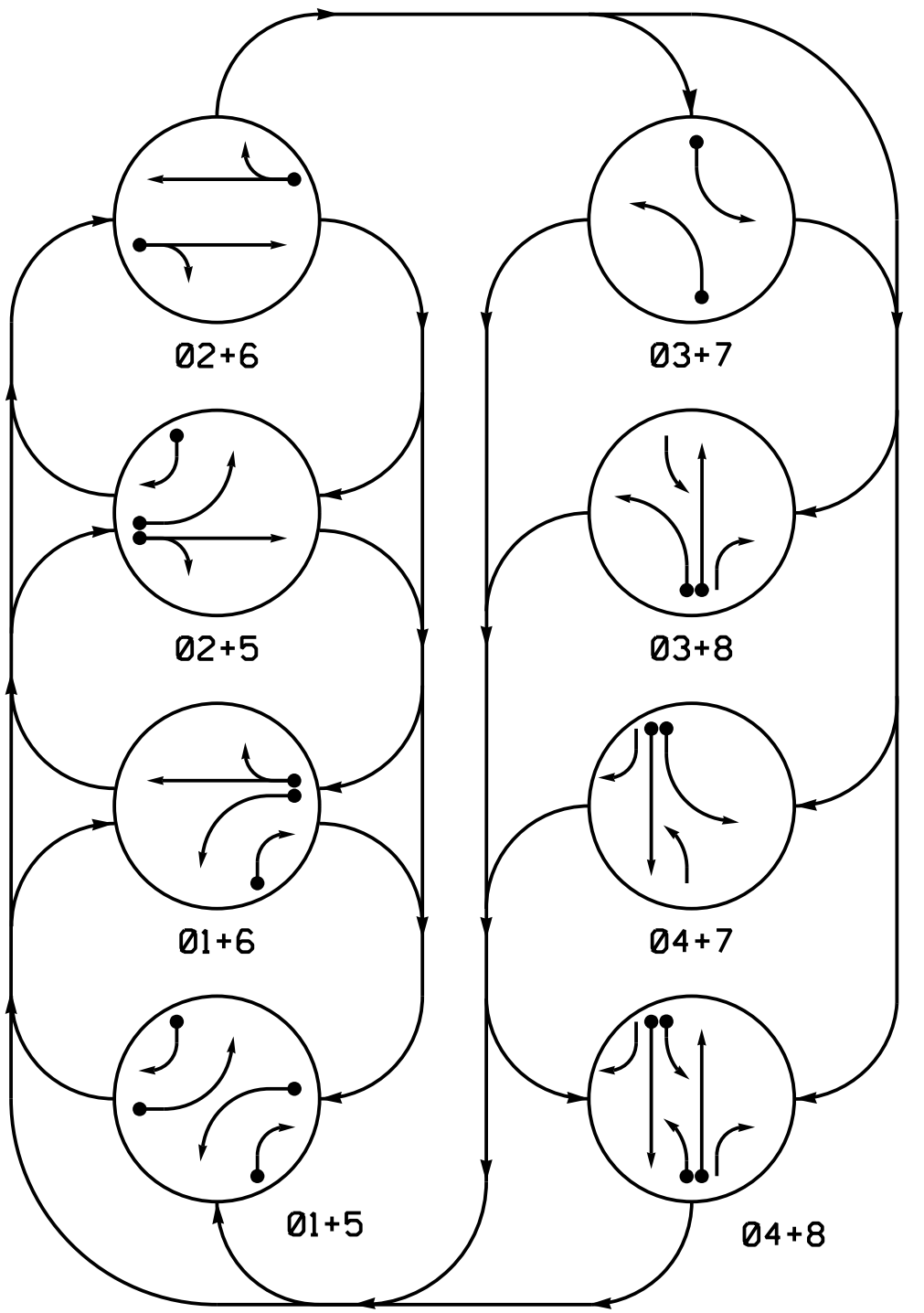


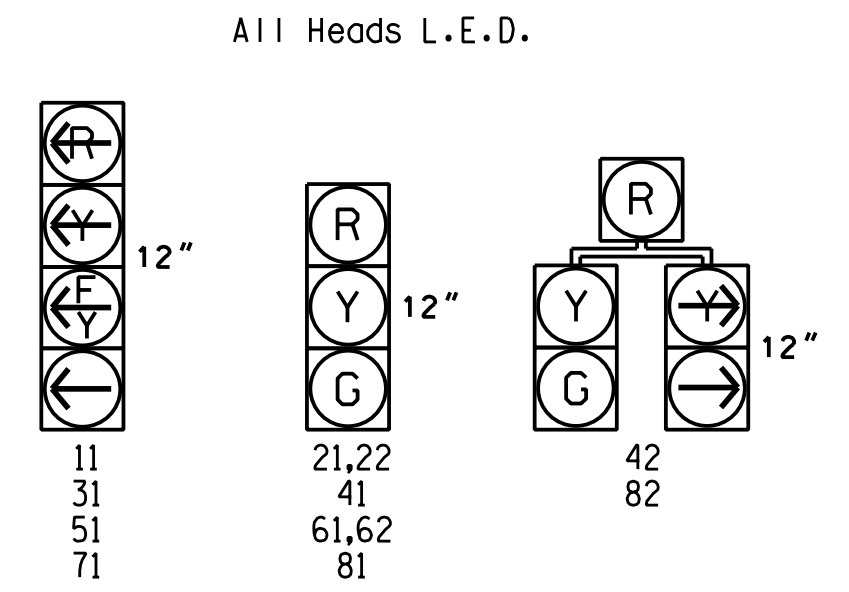
DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM



SIGNAL FACE I.D.



DEFAULT PHASING TABLE OF OPERATION

Table with 8 columns (PHASE 01-08) and 12 rows (SIGNAL FACE 11-82) showing signal face status for default phasing.

ALTERNATE PHASING TABLE OF OPERATION

Table with 8 columns (PHASE 01-08) and 12 rows (SIGNAL FACE 11-82) showing signal face status for alternate phasing.

MAXTIME DETECTOR INSTALLATION CHART

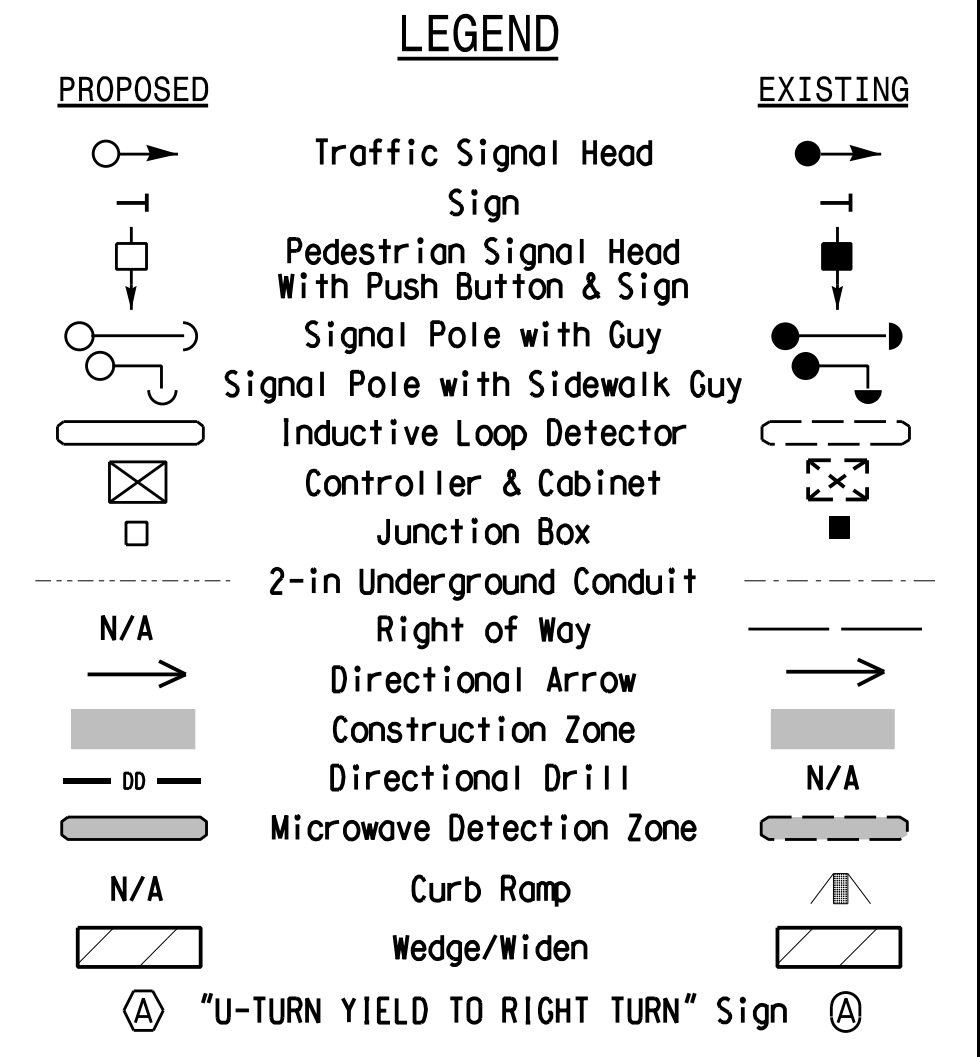
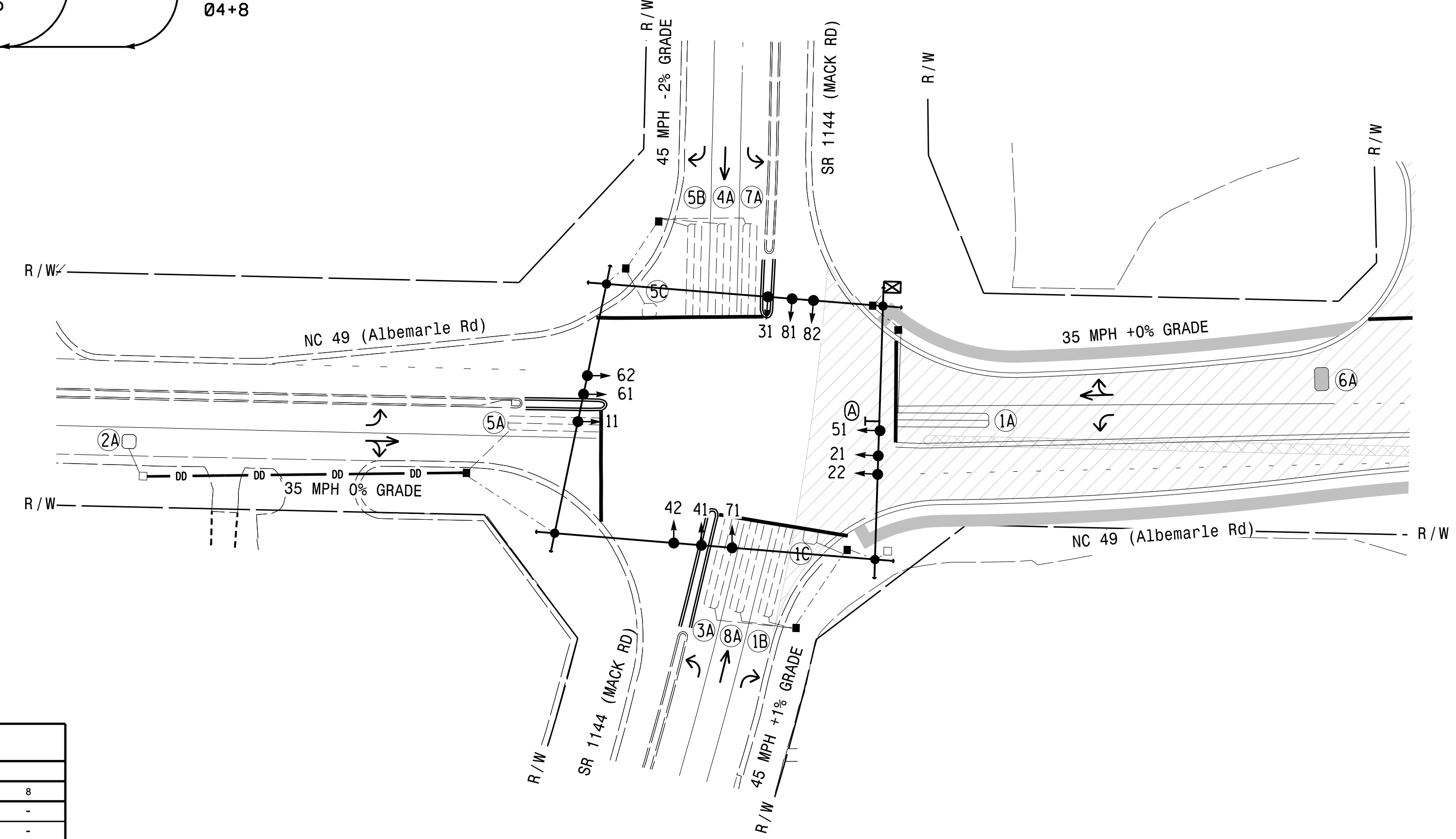
Table with columns for DETECTOR (LOOP/ZONE, SIZE, DISTANCE, TURNS) and PROGRAMMING (CALL PHASE, DELAY TIME, EXTEND TIME, etc.) for various detector locations.

* Microwave Detection
** Reduce Delay to 3 seconds During Alternate Phasing Operation.
- Disable phase call during Alternate Phasing operation.

8 Phase Fully Actuated Signal System #D08-29_Asheboro US 64 Bus-NC 49 (Asheboro)

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. Renumber existing loops 4B as 4A and 8B as 8A.
4. Reposition existing signal heads numbered 11, 61, and 62.
5. Phase 1 and/or phase 5 may be lagged.
6. Phase 3 and/or phase 7 may be lagged.
7. Set all detector units to presence mode.
8. In the event of loop replacement, refer to the current ITS and Signals Design Manual and submit a Plan of Record to the Signal Design Section.
9. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
10. The Division Traffic Engineer will determine the hours of use for each phasing plan.
11. This intersection uses single-zone microwave detection. Install detector according to the manufacturer's instructions to achieve the desired detection.
12. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.



MAXTIME TIMING CHART table with columns for FEATURE and PHASE (1-8) and rows for various timing parameters like Walk, Ped Clear, Min Green, etc.

* 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 (Construction Phase I)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Professional seal area for N.C. Professional Engineer N.K. Vianich, including project title, location, date, and signature.

HNTB logo and contact information for HNTB NORTH CAROLINA, P.C., including address and phone number.