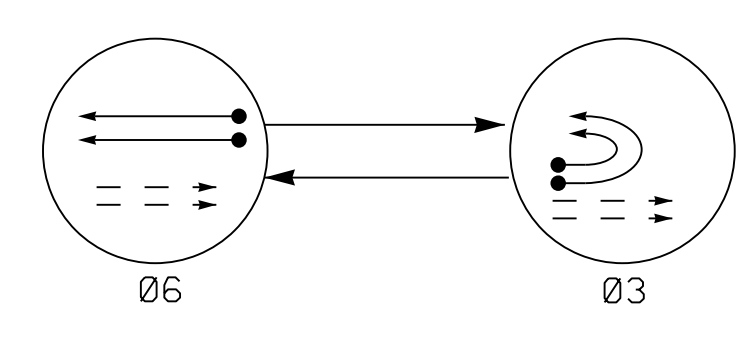


PHASING DIAGRAM

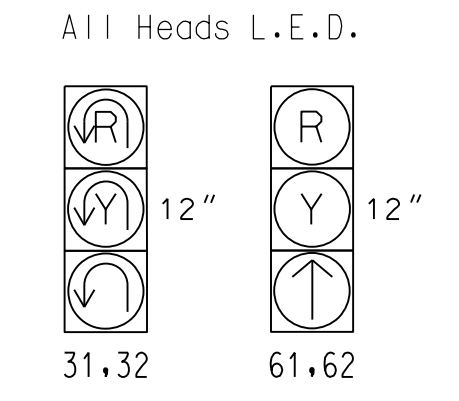


PHASING DIAGRAM DETECTION LEGEND
DETECTED MOVEMENT
UNDETECTED MOVEMENT (OVERLAP)
UNSIGNALIZED MOVEMENT
PEDESTRIAN MOVEMENT

TABLE OF OPERATION

Table with columns: SIGNAL FACE, PHASE, and specific phase indicators for 31,32 and 61,62.

SIGNAL FACE I.D.



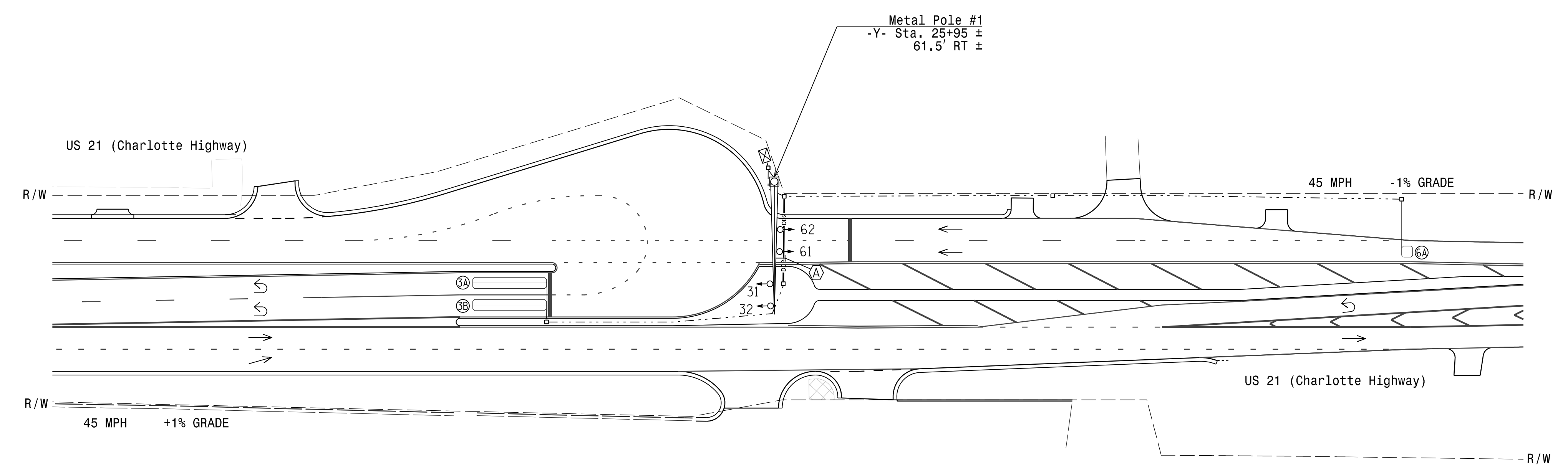
ASC/3 DETECTOR INSTALLATION CHART

Table with columns: LOOP, SIZE (FT), DISTANCE FROM STOPBAR (FT), TURNS, NEW LOOP, PHASE, CALLING, EXTEND TIME, DELAY TIME, USE ADDED INITIAL, TYPE, SYSTEM LOOP, NEW CARD.

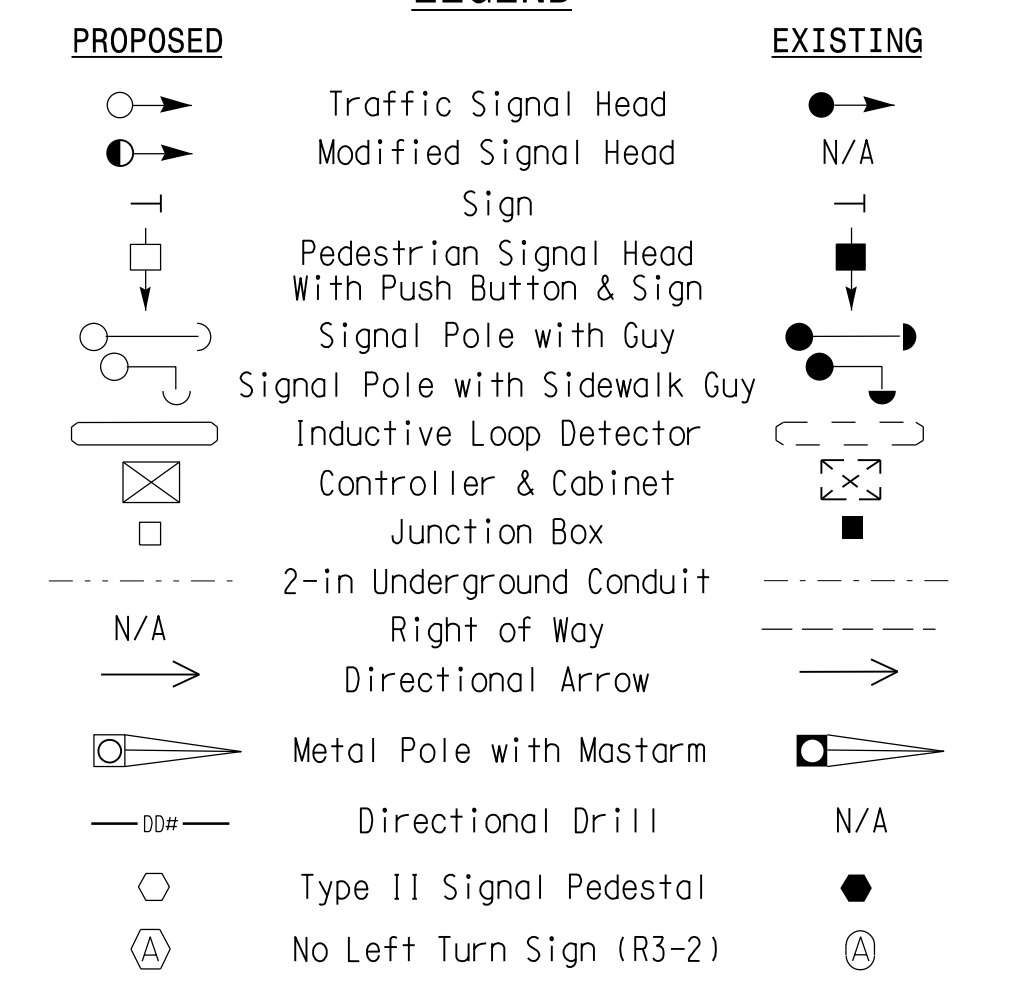
2 Phase Fully Actuated Signal System 11210

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. Set all detector units to presence mode.
4. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



LEGEND



ASC/3 TIMING CHART

Timing chart table with columns: FEATURE, PHASE 3, PHASE 6. Features include Min Green, Walk, Ped Clear, Veh. Extension, Max I, Yellow, Red Clear, Red Revert, Actuations B4 Add, Seconds / Actuation, Max Initial, Time Before Reduction, Time To Reduce, Minimum Gap, Locking Detector, Recall Position, Dual Entry, Simultaneous Gap.

* 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.

New Installation

Stantec logo and contact information: Stantec Consulting Services Inc., 801 Jones Franklin Road-Suite 300, Raleigh, NC 27606.

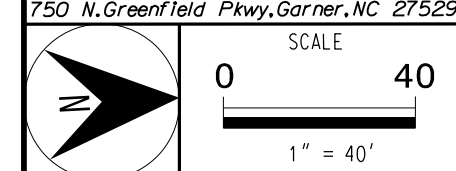
Professional Engineer seal for J. Hambricht, State of North Carolina, License No. 44888.

Project information: US 21 (Charlotte Highway) at US 21 NB U-Turn to US 21 SB, Division 12, Iredell County, Moore'sville. Prepared by J. Hambricht, reviewed by E.D. Harris and R.M. Muncey.

Professional Engineer seal for Derrick Waller, State of North Carolina, License No. 042678.

3/22/2023, 1:41:17 PM, C:\Users\dwaller\OneDrive\Documents\Signal Design\3833C\sig-13.dgn, User: dwaller

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



Revisions table with columns: REVISIONS, INIT., DATE.

DocuSigned by: Derrick Waller, 3/22/2023, Date: 3/22/2023, Sig. Inventory No.: 12-1898