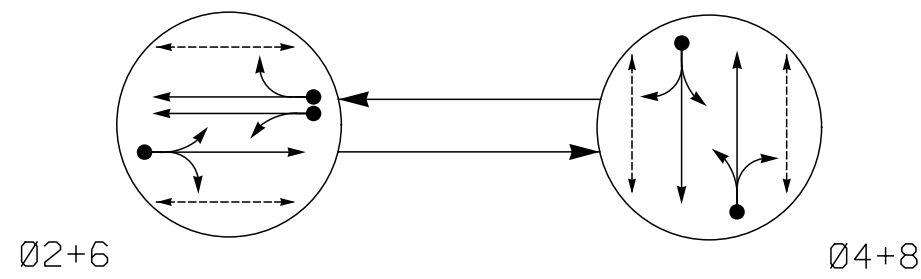


PHASING DIAGRAM



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

TABLE OF OPERATION

Table with columns: SIGNAL FACE, PHASE, and rows for signal faces 21, 22, 41, 42, 61, 62, 81, 82 and phases P21, P22, P41, P42, P61, P62, P81, P82.

OASIS 2070L LOOP & DETECTOR INSTALLATION CHART

Table with columns: LOOP, SIZE (FT), DISTANCE FROM STOPBAR (FT), TURNS, NEW LOOP, PHASE, CALLING EXTENSION, FULL TIME DELAY, STRETCH TIME, DELAY TIME, SYSTEM LOOP, NEW CARD.

2 Phase Fully Actuated (Brevard Signal System)

NOTES

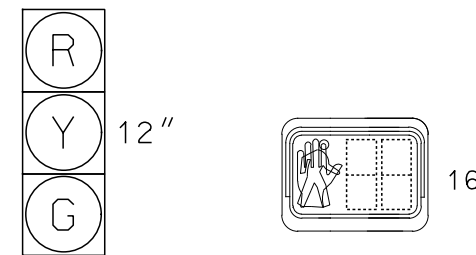
- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Set all detector units to presence mode.
4. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
6. Program pedestrian heads to countdown the flashing "DON'T WALK" time only.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
8. Closed loop system data: Controller asset # 0909

OASIS 2070 TIMING CHART table with columns: FEATURE, PHASE (2, 4, 6, 8) and rows for Min Green, Extension, Max Green, Yellow Clearance, Red Clearance, Red Revert, Walk, Don't Walk, Seconds Per Actuation, Max Variable Initial, Time Before Reduction, Time To Reduce, Minimum Gap, Recall Mode, Vehicle Call Memory, Dual Entry, Simultaneous Gap.

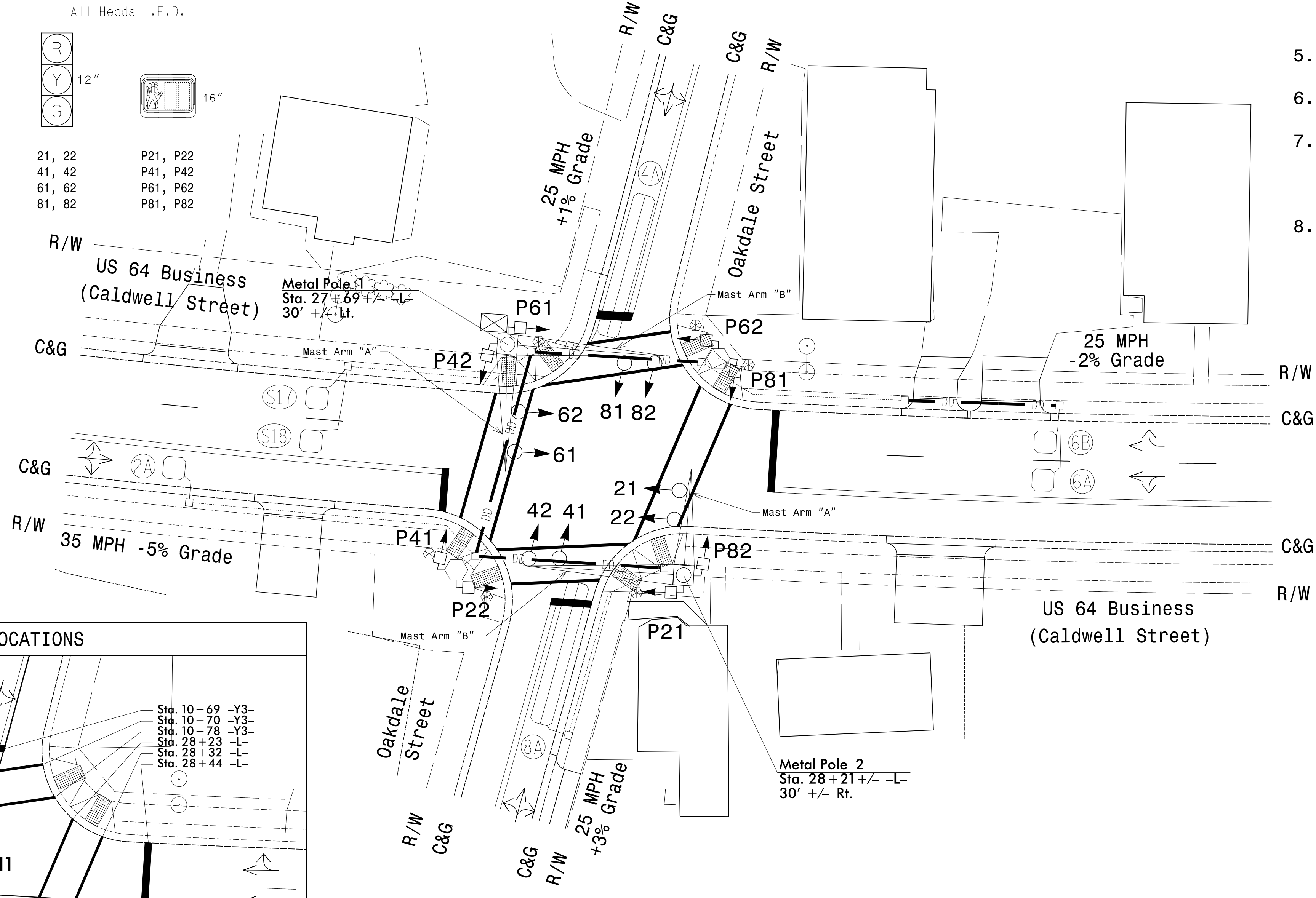
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

SIGNAL FACE I.D.

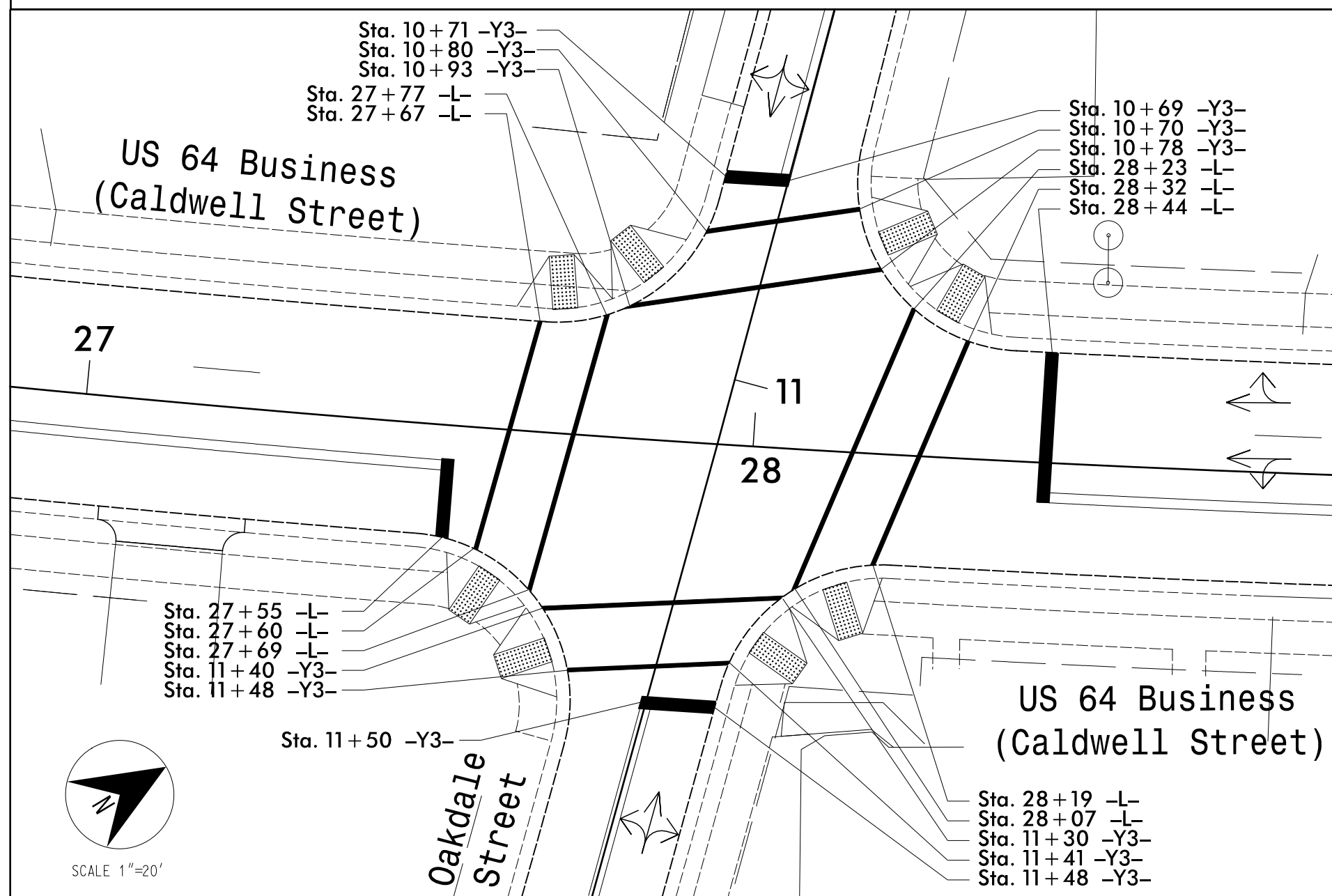
All Heads L.E.D.



21, 22 P21, P22
41, 42 P41, P42
61, 62 P61, P62
81, 82 P81, P82



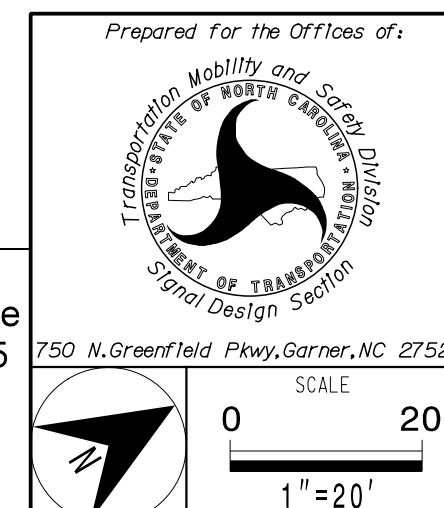
INSET - STOP BAR LOCATIONS



LEGEND

Legend table with columns: PROPOSED, EXISTING and rows for Traffic Signal Head, Modified Signal Head, Pedestrian Signal Head, Signal Pole, Inductive Loop Detector, Junction Box, Right of Way, Directional Arrow, Metal Pole, Signal Pedestal.

SIGNAL UPGRADE



Project information block including: US 64 Bus. (Caldwell Street) at Oakdale Street, Division 14 Transylvania County Brevard, Plan Date: May 2015, Prepared by: M Copple, Reviewed by: J Kopaskie.

Professional Engineer seal for Joseph Kopaskie, License No. 029669, dated 7/31/2015.

SEPI ENGINEERING & CONSTRUCTION logo.

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