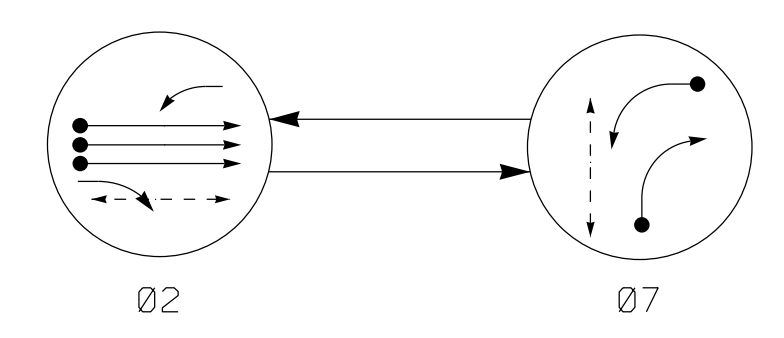


DEFAULT PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

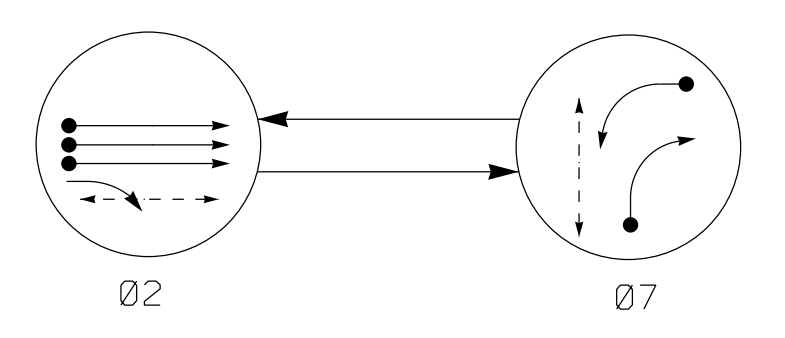
- DETECTED MOVEMENT
UNDETECTED MOVEMENT (OVERLAP)
UNSIGNALIZED MOVEMENT
PEDESTRIAN MOVEMENT

DEFAULT TABLE OF OPERATION

Table with columns: SIGNAL FACE, PHASE (02, 07, FLASH), and rows for phases 21,22,23,24, 71, 72, 73, P21, P22, P71, P72.

W - Walk
DW - Don't Walk
DRK - Dark

ALTERNATE PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

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

ALTERNATE TABLE OF OPERATION

Table with columns: SIGNAL FACE, PHASE (02, 07, FLASH), and rows for phases 21,22,23,24, 71, 72, 73, P21, P22, P71, P72.

W - Walk
DW - Don't Walk
DRK - Dark

OASIS 2070 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. Rows include 2A, 2B, 2C, 7A, 7B.

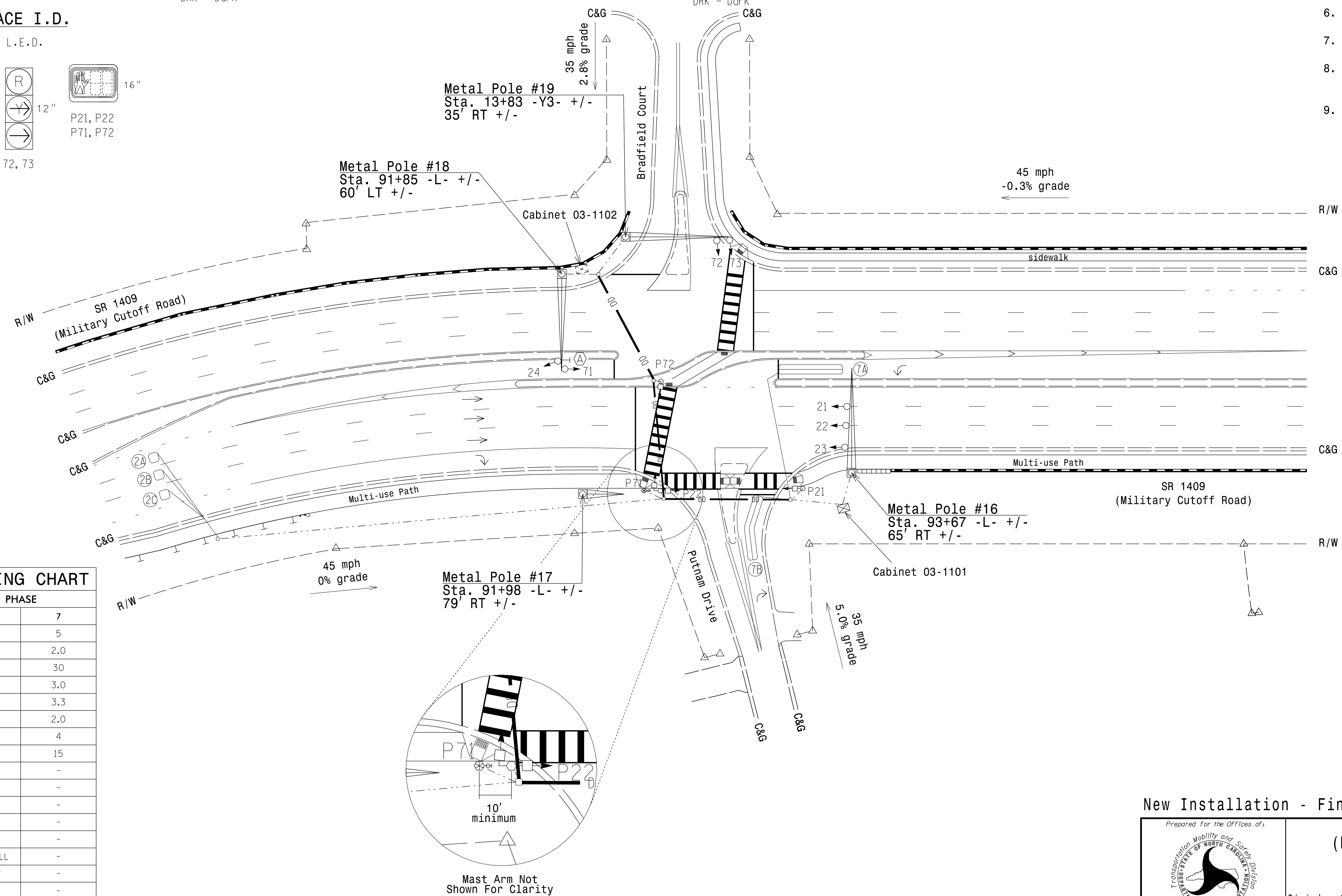
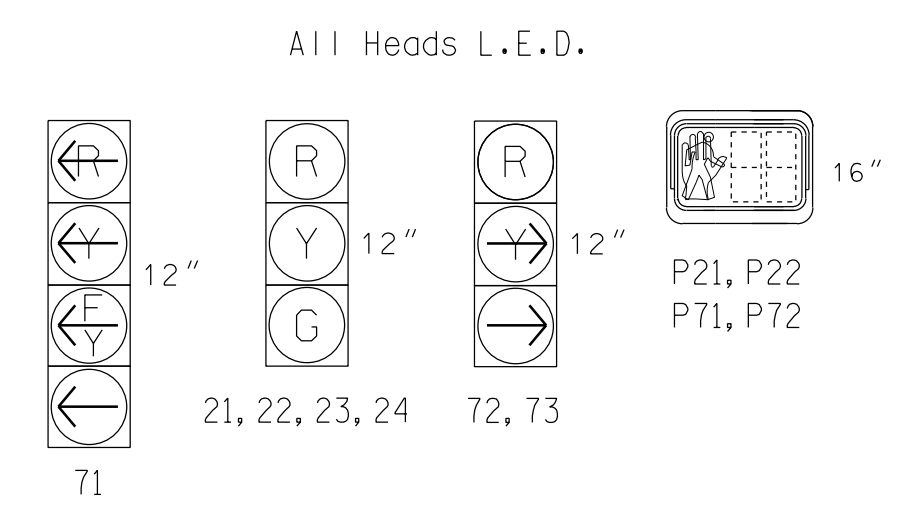
\* Disable delay during Alternate Phasing Operation

2 Phase Fully Actuated Wilmington Signal System

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012...
2. Do not program signal for late night flashing operation...
3. Set all detector units to presence mode.
4. Locate new cabinet so as not to obstruct sign distance...
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. The Division Traffic Engineer will determine the hours of use for each phasing plan.
8. Maximum times shown in timing charts are for free-run operation only.
9. Signal System data: Controller Asset #1101

SIGNAL FACE I.D.



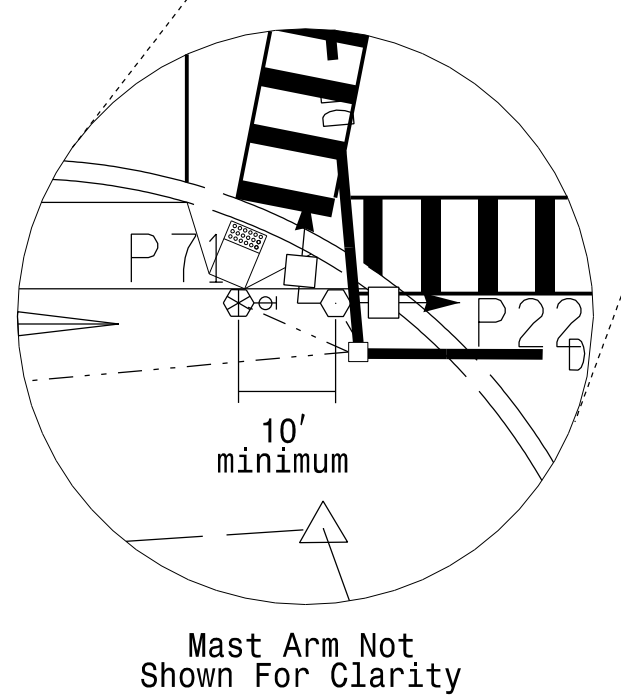
LEGEND

- PROPOSED: Traffic Signal Head, Modified Signal Head, Sign, Pedestrian Push Button, etc.
EXISTING: Traffic Signal Head, Modified Signal Head, Sign, Pedestrian Push Button, etc.

OASIS 2070E TIMING CHART

Timing chart table with columns: FEATURE, PHASE 2, PHASE 7. Rows include 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.



New Installation - Final Design

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Professional seal and signature block for LD Stouchko, North Carolina Professional Engineer, dated 6/6/2017.

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 160 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

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