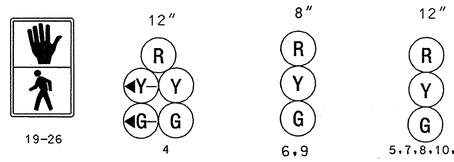
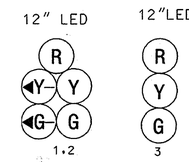
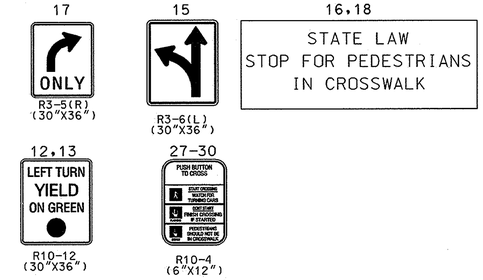
## EXISTING SIGNALS TO REMAIN




## PROPOSED SIGNALS



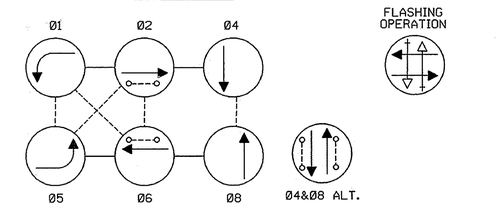

## EXISTING SIGNS TO REMAIN



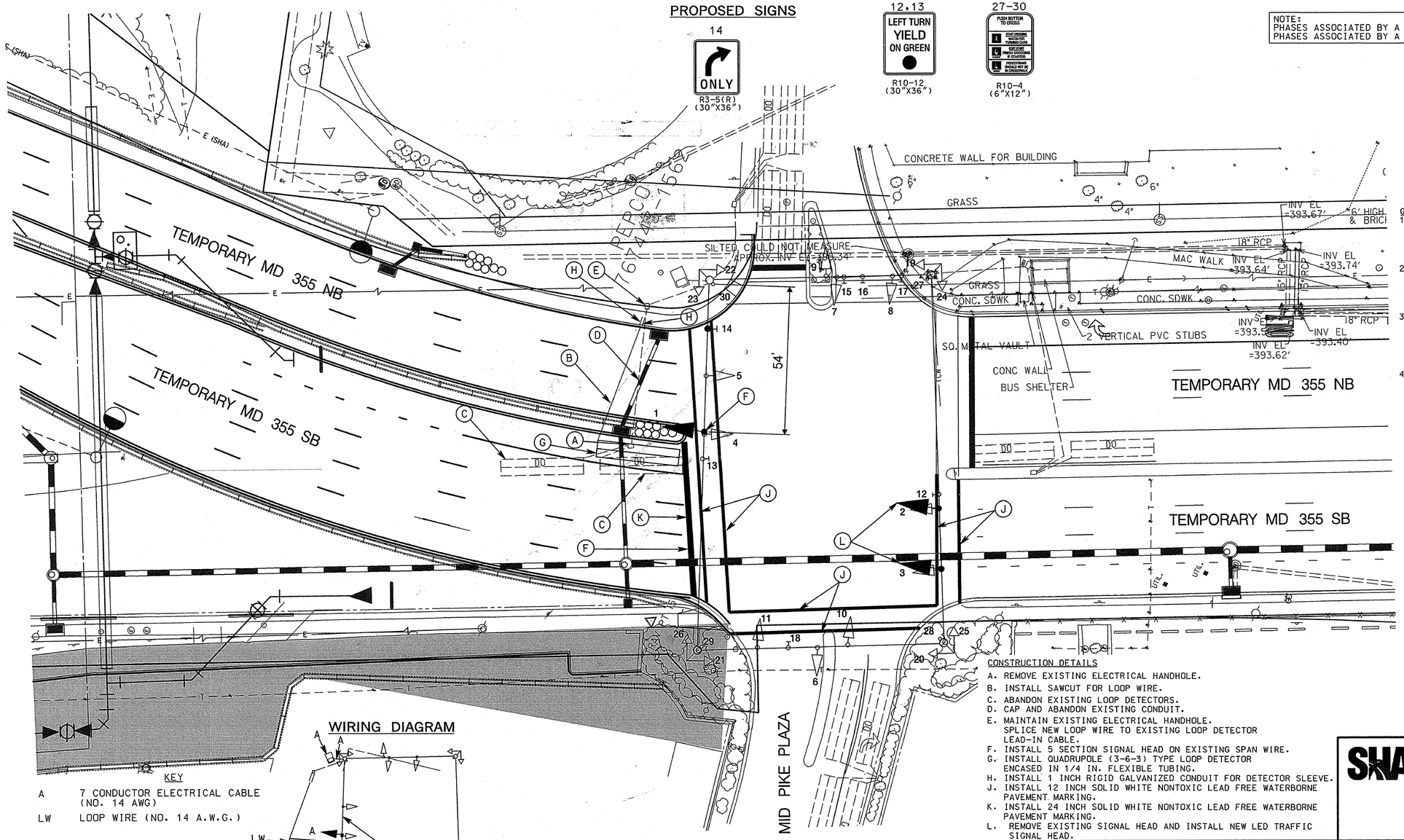

## PROPOSED SIGNS




## NEMA PHASING




NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.




MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

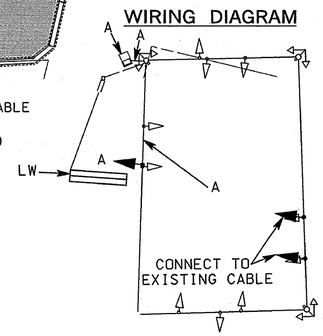
GENERAL NOTES:

1. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS. OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABLE EACH CABLE.
3. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
4. CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN CROSSING PATHS IN ACCORDANCE WITH MUTCD DURING ALL PHASES OF CONSTRUCTION.

CONSTRUCTION DETAILS

A. REMOVE EXISTING ELECTRICAL HANDHOLE.
B. INSTALL SAWCUT FOR LOOP WIRE.
C. ABANDON EXISTING LOOP DETECTORS.
D. CAP AND ABANDON EXISTING CONDUIT.
E. MAINTAIN EXISTING ELECTRICAL HANDHOLE. SPLICE NEW LOOP WIRE TO EXISTING LOOP DETECTOR LEAD-IN CABLE.
F. INSTALL 5 SECTION SIGNAL HEAD ON EXISTING SPAN WIRE.
G. INSTALL QUADRUPOLE (3-6-3) TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
H. INSTALL 1 INCH RIGID GALVANIZED CONDUIT FOR DETECTOR SLEEVE.
J. INSTALL 12 INCH SOLID WHITE NONTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING.
K. INSTALL 24 INCH SOLID WHITE NONTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING.
L. REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW LED TRAFFIC SIGNAL HEAD.

## WIRING DIAGRAM




KEY

A 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
LW LOOP WIRE (NO. 14 A.W.G.)

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

| CATEGORY | DESCRIPTION | UNITS | QUANTITY |
|---|---|---|---|
| 860284 | 12" VEHICULAR LED TRAFFIC SIGNAL HEAD SECTION (POLY CARBONATE) | EA | 13 |
| 862102 | FURNISH AND INSTALL SAWCUT FOR LOOP DETECTOR | LF | 150 |
| 861108 | ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG) | LF | 80 |
| 862101 | FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING ( NO. 14 A.W.G.) | LF | 500 |
| 862101 | 1" GALVANIZED CONDUIT | LF | 10 |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www.kci.com


BY: Aaron Hottenstein Division: 0101 Transport

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 355 AT MID PIKE PLAZA
PHASE 1, STAGE 3

APPROVALS: TEAM LEADER / ASST. DIV. CHIEF / DIVISION CHIEF / OFFICE DIRECTOR — ORIGINAL ON FILE

REVISIONS
A TEMPORARY CONDITION Geometric Shift 6 /2008
KCI

# TEMPORARY TRAFFIC SIGNAL PLAN

| | | | |
|---|---|---|---|
| SCALE 1" = 20' | DATE | CONTRACT NO. | M0830517! |
| DESIGNED BY | | COUNTY | MONTGOMERY |
| DRAWN BY TOM ZAYDEL | | LOGMILE | 150355 06.50 |
| CHECKED BY | | TIMS NO. | G248 |
| FAP NO. BW-944-801-312 | | TOD NO. | |
| TS NO. 2250 A | DRAWING SP-5 | OF 5 | SHEET NO. 5 OF 5 |

PLOTTED: "10:06 AM on Tuesday, July 22, 2008"
FILE: M:\2007\0107070.db\drawings\pSG-P1302_MD355.dgn