MD 410 (PHILADELPHIA AVE) IS CONSIDERED

EXISTING SIGNALS

1-7 R Y G 12"
8 R Y Y G G 12"
11-16 12"

EXISTING SIGNS

19.22
18.33 NO TURN ON RED
26
17A.20A MAPLE AVE 7500>
17.20 MAPLE AVE <7500
16"XVAR DUAL FACED MAST ARM
34 END SCHOOL ZONE

SCHOOL SPEED LIMIT 15 WHEN FLASHING 8" 8"
SIGN #28
SIGNALS #9,10

25.27 PHILADELPHIA AVE 100>
25A.27A PHILADELPHIA AVE <100
16"XVAR DUAL FACED MAST ARM

23A.31A
20B SPEED LIMIT 25
SIGNS TO BE REMOVED

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REPLACEMENT OF THE EXISTING SIGNAL HEADS TO MATCH THE CURRENT PHASING.

PROPOSED SIGNALS

2.4 R Y G 12"
1.3 R Y G G 12"

PROPOSED SIGNS

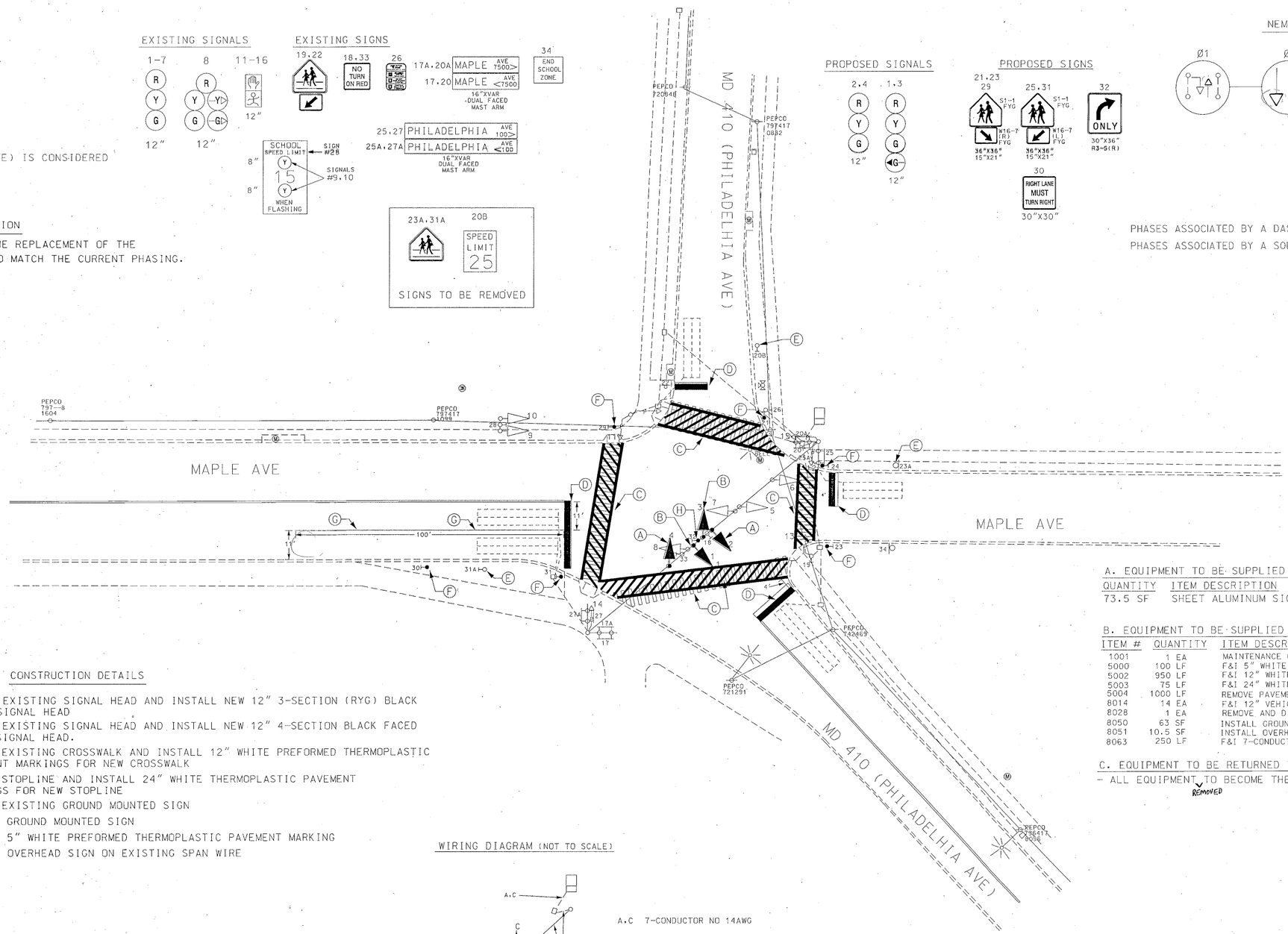
21.23 29 S1-1 FYG W16-7 (R) FYG 36"X36" 15"X21"
25.31 S1-1 FYG W16-7 (L) FYG 36"X36" 15"X21"
30 RIGHT LANE MUST TURN RIGHT 30"X30"
32 ONLY 30"X36" R3-5(R)

NEMA PHASING

Ø1 Ø2 Ø4 Ø8

FLASHING OPERATION

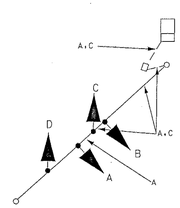
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY




CONSTRUCTION DETAILS

A. REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW 12" 3-SECTION (RYG) BLACK FACED SIGNAL HEAD
B. REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW 12" 4-SECTION BLACK FACED FACED SIGNAL HEAD.
C. REMOVE EXISTING CROSSWALK AND INSTALL 12" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR NEW CROSSWALK
D. REMOVE STOPLINE AND INSTALL 24" WHITE THERMOPLASTIC PAVEMENT MARKINGS FOR NEW STOPLINE
E. REMOVE EXISTING GROUND MOUNTED SIGN
F. INSTALL GROUND MOUNTED SIGN
G. INSTALL 5" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING
H. INSTALL OVERHEAD SIGN ON EXISTING SPAN WIRE

WIRING DIAGRAM (NOT TO SCALE)




A.C 7-CONDUCTOR NO 14AWG

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

| QUANTITY | ITEM DESCRIPTION |
|---|---|
| 73.5 SF | SHEET ALUMINUM SIGN AS SHOWN ABOVE |

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

| ITEM # | QUANTITY | ITEM DESCRIPTION |
|---|---|---|
| 1001 | 1 EA | MAINTENANCE OF TRAFFIC |
| 5000 | 100 LF | F&I 5" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS |
| 5002 | 950 LF | F&I 12" WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKINGS |
| 5003 | 75 LF | F&I 24" WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKINGS |
| 5004 | 1000 LF | REMOVE PAVEMENT MARKING TAPE-ANY WIDTH |
| 8014 | 14 EA | F&I 12" VEHICULAR TARFFIC SIGNAL HEAD SECTION |
| 8028 | 1 EA | REMOVE AND DISPOSE OF EQUIPMENT PER ASSIGNMENT |
| 8050 | 63 SF | INSTALL GROUND MOUNTED SIGN |
| 8051 | 10.5 SF | INSTALL OVERHEAD SIGN |
| 8063 | 250 LF | F&I 7-CONDUCTOR NO 14AWG ELECTRICAL CABLE |

C. EQUIPMENT TO BE RETURNED TO SHA

- ALL EQUIPMENT REMOVED TO BECOME THE PROPERTY OF THE CONTRCTOR

UTILITY LEGEND

| | |
|---|---|
| G G | GAS MAIN |
| W W | WATER MAIN |
| S S | SEWER MAIN |
| E E | ELECTRIC CABLES |
| A A | AERIAL CABLES |
| T T | TELEPHONE CABLES |

REVISIONS

Ⓐ INSTALL SIGNAL HEADS AND SIGNING FOR MD 410
3/1/01 TIMS #415
CJS

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

ORIGINALS ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
*Office of Traffic & Safety*
TRAFFIC ENGINEERING DESIGN DIVISION

MD 410 (PHILADELPHIA AVE) @ MAPLE AVE

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | J GORDON | F.A.P. NO. | | TS NO. 1327-A | SHEET NO. |
| CHECKED BY: | A BUDNICHUK | S.H.A. NO. | | | |
| SCALE: | 1:20 | COUNTY: | MONTGOMERY | T.I.M.S. NO. N/A | 1 OF 1 |
| DATE: | 5/23/75 | LOG MILE: | 15041000.72 | | |