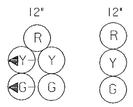
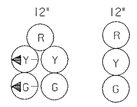
MD 170 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

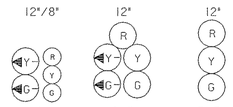
EXISTING SIGNALS TO REMAIN



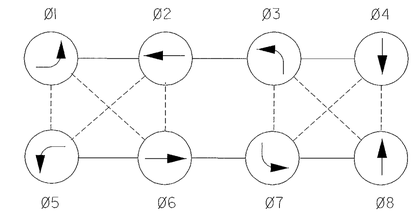

EXISTING SIGNALS TO BE REMOVED




PROPOSED SIGNALS



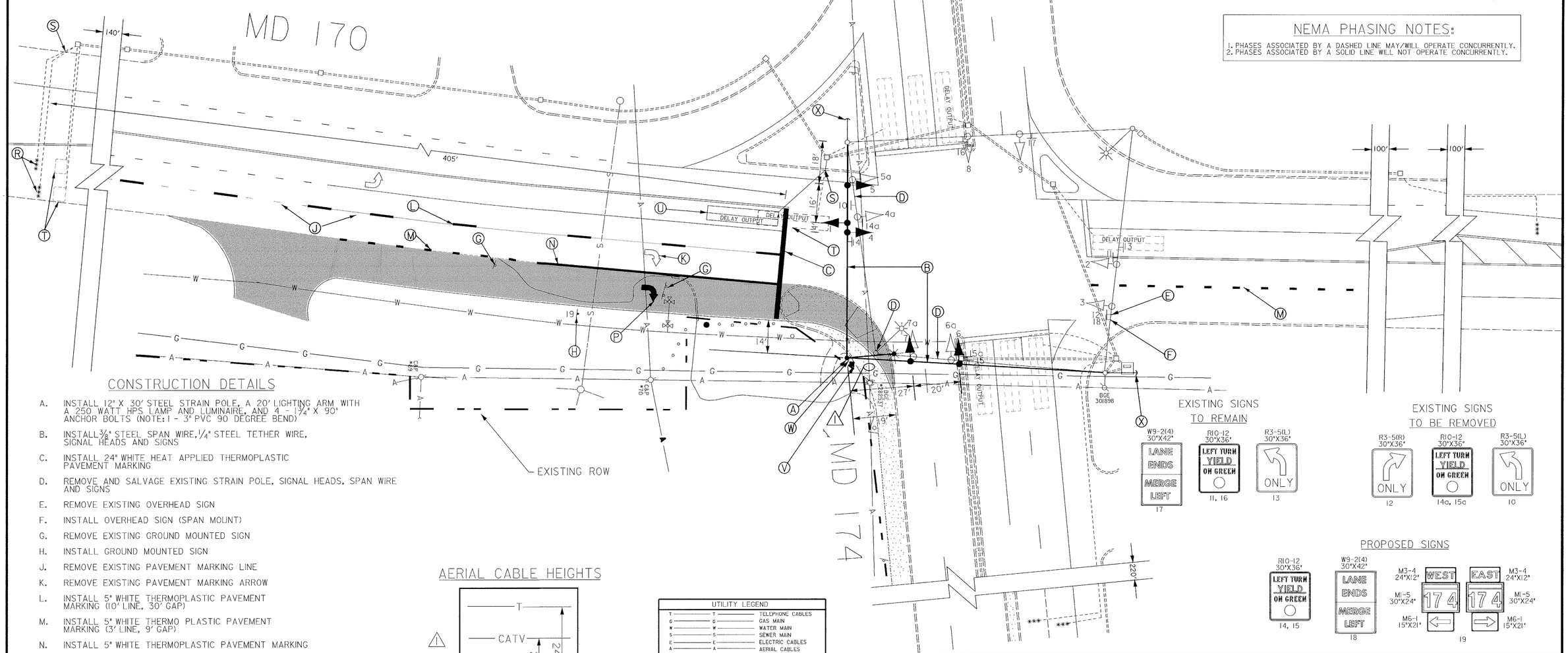

NEMA PHASING




FLASHING OPERATION

NEMA PHASING NOTES:

1. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.




EXISTING SIGNS TO REMAIN




EXISTING SIGNS TO BE REMOVED




PROPOSED SIGNS




## CONSTRUCTION DETAILS

A. INSTALL 12" X 30' STEEL STRAIN POLE, A 20' LIGHTING ARM WITH A 250 WATT HPS LAMP AND LUMINAIRE, AND 4 - 1¾" X 90" ANCHOR BOLTS (NOTE: 1 - 3" PVC 90 DEGREE BEND)

B. INSTALL ⅜" STEEL SPAN WIRE, ¼" STEEL TETHER WIRE, SIGNAL HEADS AND SIGNS

C. INSTALL 24" WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING

D. REMOVE AND SALVAGE EXISTING STRAIN POLE, SIGNAL HEADS, SPAN WIRE AND SIGNS

E. REMOVE EXISTING OVERHEAD SIGN

F. INSTALL OVERHEAD SIGN (SPAN MOUNT)

G. REMOVE EXISTING GROUND MOUNTED SIGN

H. INSTALL GROUND MOUNTED SIGN

J. REMOVE EXISTING PAVEMENT MARKING LINE

K. REMOVE EXISTING PAVEMENT MARKING ARROW

L. INSTALL 5" WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' GAP)

M. INSTALL 5" WHITE THERMO PLASTIC PAVEMENT MARKING (3' LINE, 9' GAP)

N. INSTALL 5" WHITE THERMOPLASTIC PAVEMENT MARKING

P. INSTALL PAVEMENT MARKING ARROW

R. INSTALL MICROLOOP PROBE SET

S. INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (FOR DETECTOR SLEEVE)

T. ABANDON EXISTING LOOP DETECTOR

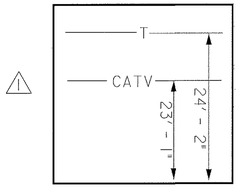
U. INSTALL 6 FT. X 30 FT. LOOP DETECTOR ENCASED IN ¼ IN. FLEXIBLE TUBING (3-6-3 TURNS) QUADRUPOLE TYPE

V. INSTALL HANDHOLE

W. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)

X. BACK GUY EXISTING POLE BEFORE NEW SPAN IS INSTALLED AND UNTIL EXISTING SPAN IS REMOVED

## AERIAL CABLE HEIGHTS




| UTILITY LEGEND | |
|---|---|
| T | TELEPHONE CABLES |
| G | GAS MAIN |
| W | WATER MAIN |
| S | SEWER MAIN |
| E | ELECTRIC CABLES |
| A | AERIAL CABLES |
| BC | BURIED CABLE |
| SD | STORM DRAIN |
| **GEOMETRIC LEGEND** | |
| | EXISTING GEOMETRICS |
| | PROPOSED GEOMETRICS |

| REVISIONS | APPROVALS |
|---|---|
| (A) 4-29-84 MODIFY PHASING FOR EXCLUSIVE PERMISSIVE LEFT TURNS SHA NO. AW-779-50-576 | TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION |
| (B) 5-25-01 INSTALL NEW SIGNAL POLE FOR RIGHT TURN LANE CONSTRUCTION BW-966MB2 | ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION |
| | CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION |
| | DIRECTOR, TRAFFIC & SAFETY |

ORIGINAL ON FILE

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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

*Office of Traffic & Safety*

TRAFFIC ENGINEERING DESIGN DIVISION

MD 174 AND MD 170

| | | | |
|---|---|---|---|
| DRAWN BY: D. DODA | F.A.P. NO. | TS NO. 1464 - B | SHEET NO. |
| CHECKED BY: D. DODA | S.H.A. NO. | | |
| SCALE: 1"=20' | COUNTY: ANNE ARUNDEL | T.I.M.S. NO. E-567X | 1 OF 2 |
| DATE: DECEMBER 9, 1976 | LOG MILE: 02 0170 03.75 | | |