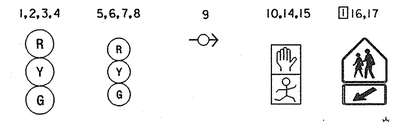
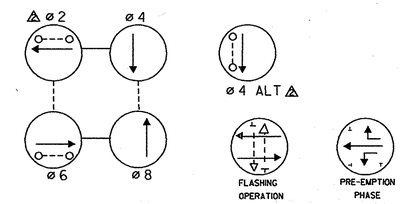
## EXISTING SIGNALS




## PROPOSED SIGNALS

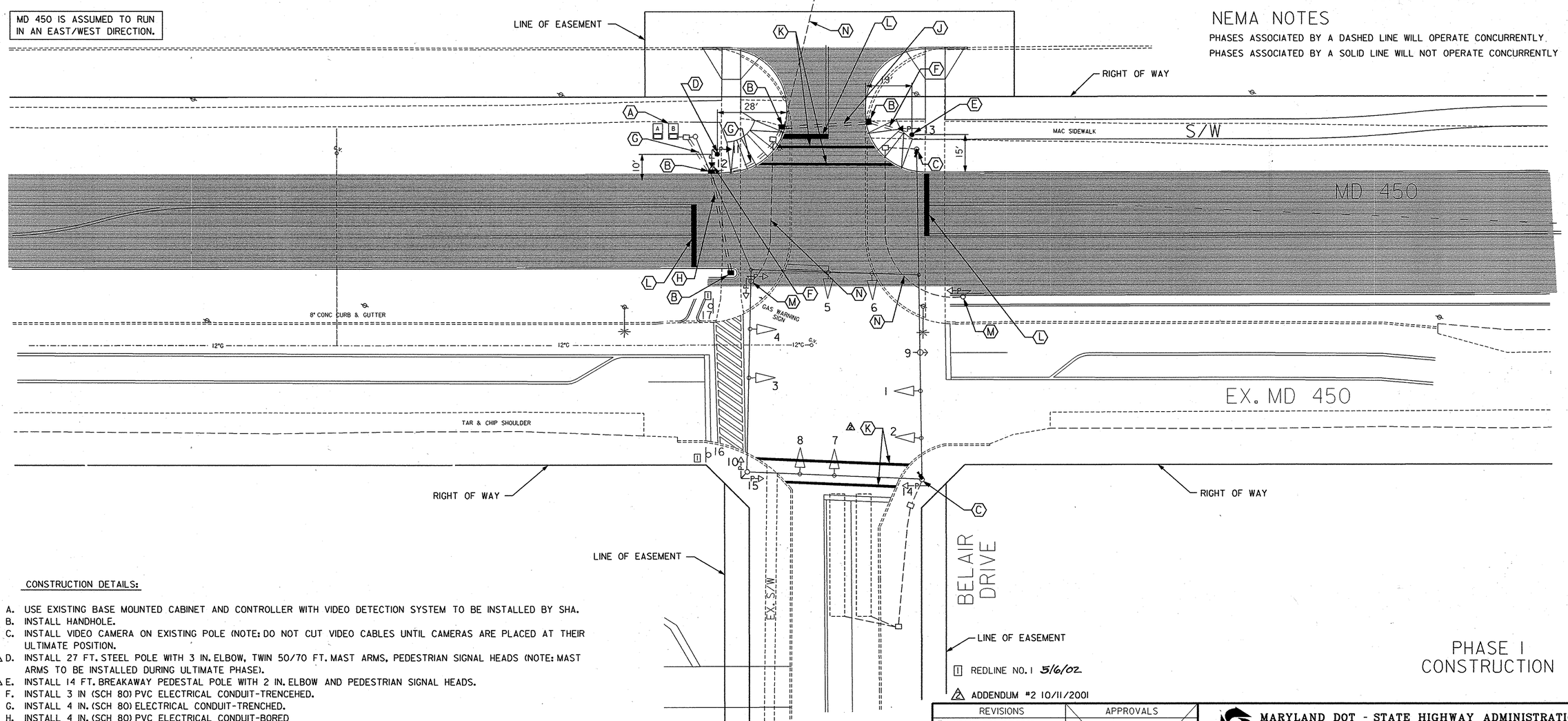
## NEMA PHASING




## NEMA NOTES

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

MD 450 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.




CONSTRUCTION DETAILS:

A. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER WITH VIDEO DETECTION SYSTEM TO BE INSTALLED BY SHA.
B. INSTALL HANDHOLE.
C. INSTALL VIDEO CAMERA ON EXISTING POLE (NOTE: DO NOT CUT VIDEO CABLES UNTIL CAMERAS ARE PLACED AT THEIR ULTIMATE POSITION.
2 D. INSTALL 27 FT. STEEL POLE WITH 3 IN. ELBOW, TWIN 50/70 FT. MAST ARMS, PEDESTRIAN SIGNAL HEADS (NOTE: MAST ARMS TO BE INSTALLED DURING ULTIMATE PHASE).
2 E. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH 2 IN. ELBOW AND PEDESTRIAN SIGNAL HEADS.
F. INSTALL 3 IN (SCH 80) PVC ELECTRICAL CONDUIT-TRENCEHED.
G. INSTALL 4 IN. (SCH 80) ELECTRICAL CONDUIT-TRENCHED.
H. INSTALL 4 IN. (SCH 80) PVC ELECTRICAL CONDUIT-BORED
J. INSTALL 4 IN. (SCH 80) PVC ELECTRICAL CONDUIT-SLOTTED.
K. INSTALL 12 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKING FOR CROSSWALK.
L. INSTALL 24 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKING FOR STOP LINE.
M. REMOVE EXISTING POLE.
N. CAP AND ABANDON OR REMOVE EXISTING CONDUIT.

1 REDLINE NO. 1 5/6/02

2 ADDENDUM #2 10/11/2001

PHASE I CONSTRUCTION

| REVISIONS | APPROVALS |
|---|---|
| 0 8/2001 SIGNAL MODIFICATION DUE TO RECONSTRUCTION ON MD 450 | ORIGINAL |
| 1 1/89 ADD OPTICOM FIRE EMPTION PHASING | TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION |
| | ON |
| | ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION |
| | CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION |
| | FILE |
| | DIRECTOR, TRAFFIC & SAFETY |

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

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

MD 450 - MD 193 TO STONYBROOK DRIVE
MD 450 AT BELAIR DRIVE - PHASE I SIGNAL

| | | | | | |
|---|---|---|---|---|---|
| DRAWN BY: | MR | F.A.P. NO. | SEE TITLE SHEET | TS NO. | SHEET NO. |
| CHECKED BY: | STB | S.H.A. NO. | PG9005571 | TS-89B-1PHIA | |
| SCALE: | 1"=20' | COUNTY: | PRINCE GEORGE'S | T.I.M.S. NO. | |
| DATE: | OCTOBER 2001 | LOG MILE: | 12.36 | D 538 | 433 OF 545 |

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