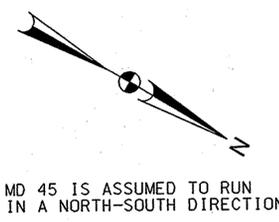
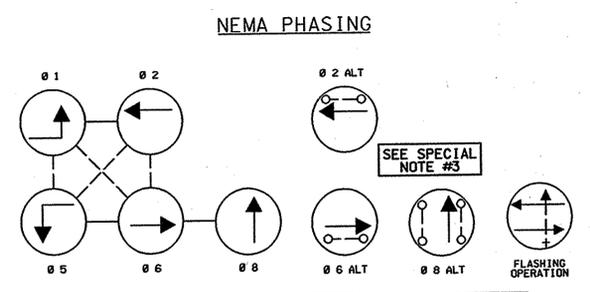
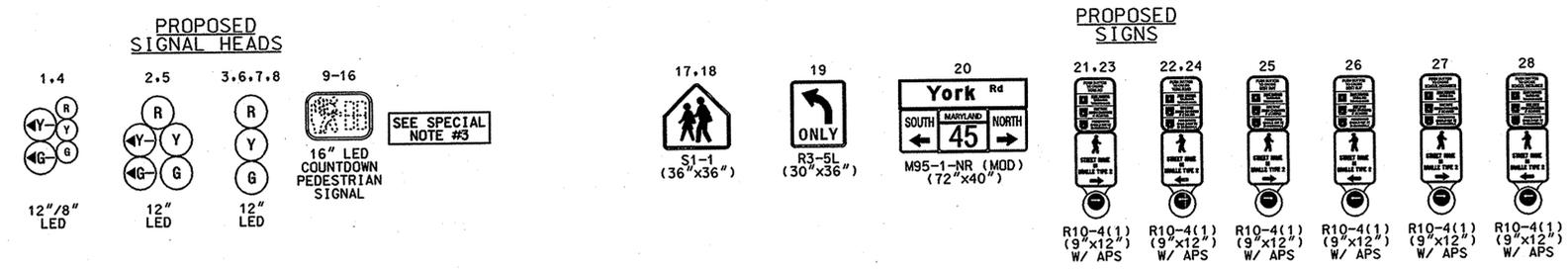


DRILL HOLES
 ORDER REV. DATE: June 1, 2004
 DRILL HOLES
 DRILL HOLES
 BY: WJWARNER



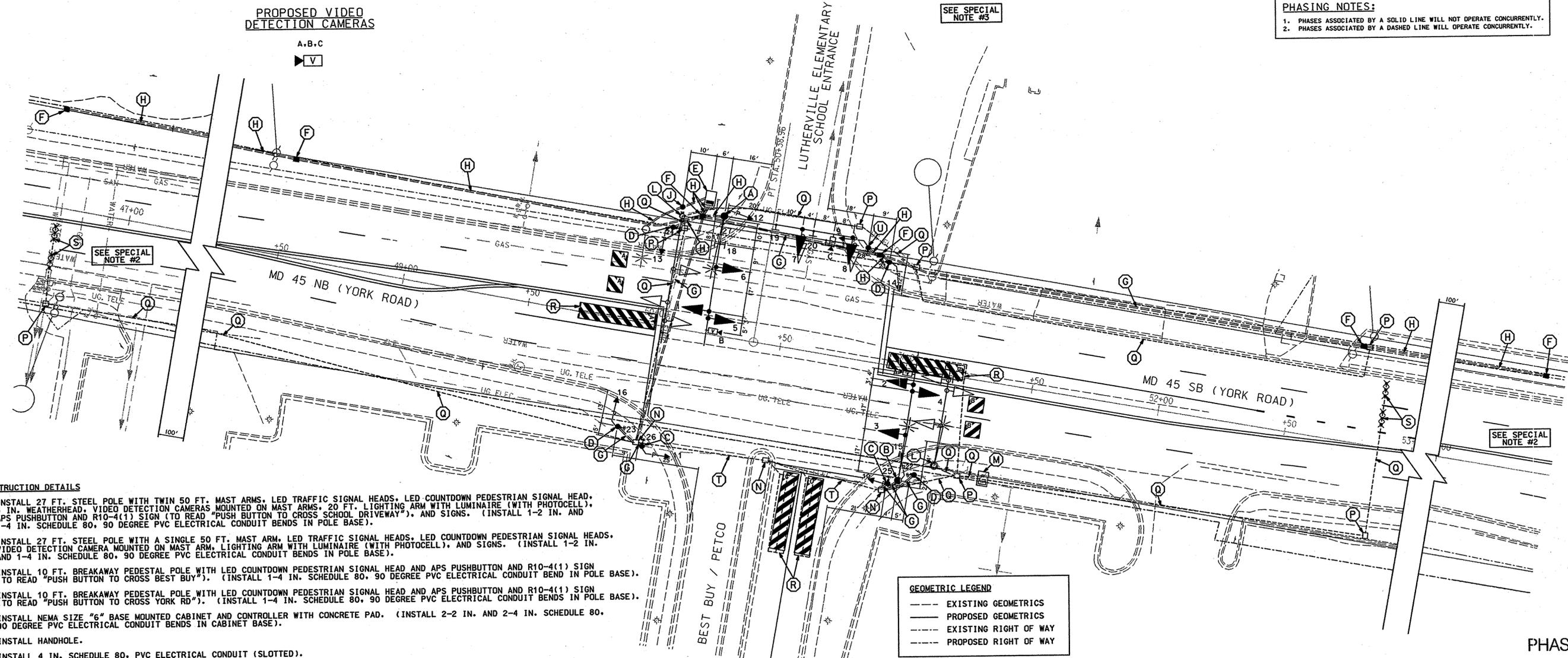
MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



PHASING NOTES:

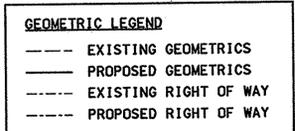
- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

PROPOSED VIDEO DETECTION CAMERAS



CONSTRUCTION DETAILS

- INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT. MAST ARMS, LED TRAFFIC SIGNAL HEADS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, 3 IN. WEATHERHEAD, VIDEO DETECTION CAMERAS MOUNTED ON MAST ARMS, 20 FT. LIGHTING ARM WITH LUMINAIRE (WITH PHOTOCELL), APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS SCHOOL DRIVEWAY"), AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
- INSTALL 27 FT. STEEL POLE WITH A SINGLE 50 FT. MAST ARM, LED TRAFFIC SIGNAL HEADS, LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, LIGHTING ARM WITH LUMINAIRE (WITH PHOTOCELL), AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD AND APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS BEST BUY"). (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD AND APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS YORK RD"). (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
- INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN CABINET BASE).
- INSTALL HANDHOLE.
- INSTALL 4 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT (SLOTTED).
- INSTALL 4 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT (TRENCHED).
- PROPOSED UNDERGROUND ELECTRICAL SERVICE BY BGE FORCES. METERED PEDESTAL POLE INSTALLED BY CONTRACTOR.
- DISCONNECT EXISTING OVERHEAD ELECTRICAL SERVICE.
- REMOVE EXISTING SIGNAL POLE, MAST ARM, TRAFFIC SIGNAL HEADS, AND SIGNS. REMOVE FOUNDATION 12 IN. BELOW GRADE.
- REMOVE EXISTING BASE MOUNTED CONTROLLER AND CABINET. REMOVE FOUNDATION 12 IN. BELOW GRADE.
- USE EXISTING HANDHOLE.
- REMOVE EXISTING HANDHOLE.
- CAP AND ABANDON EXISTING CONDUIT.
- ABANDON EXISTING LOOP DETECTOR.
- REMOVE EXISTING MICROLOOP DETECTOR.
- USE EXISTING CONDUIT.
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD AND APS PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS SCHOOL ENTRANCE"). (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN POLE BASE).



GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL BE WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

SPECIAL NOTES

- VIDEO DETECTION ZONES SHALL BE ADJUSTED THROUGHOUT CONSTRUCTION OF THE MD 45 WIDENING PROJECT (BA7065171). THE FINAL DETECTION ZONES FOR LEFT-TURNS WILL BE ESTABLISHED AT THE COMPLETION OF THE WIDENING PROJECT WHEN FINAL PAVEMENT MARKINGS ARE IN PLACE.
- MICROLOOP PROBE SETS SHALL BE INSTALLED IN FINAL MD 45 TRAVEL LANE LOCATIONS IMMEDIATELY PRIOR TO THE FINAL MD 45 PAVEMENT OVERLAY (SEE FINAL SIGNAL PLAN).
- COVER ALL PEDESTRIAN SIGNAL HEADS AND RESPECTIVE PUSHBUTTONS AND SIGNS UNTIL FINAL PAVEMENT MARKINGS ARE APPLIED.
- EXISTING PAVEMENT MARKINGS ARE SHOWN. SEE FINAL SIGNING AND PAVEMENT MARKING PLANS FOR PROPOSED PAVEMENT MARKINGS.
- NEW INTERCONNECT SHALL BE INSTALLED DURING PHASE 1 PRIOR TO REMOVING EXISTING INTERCONNECT.

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 (410) 662-7400

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MARYLAND 45 (YORK ROAD) WIDENING
 CAVAN DRIVE TO RIDGELY ROAD

APPROVALS		REVISIONS	SIGNALIZATION PLAN - MD 45 at Lutherville Elementary School
TEAM LEADER			SCALE 1"=20' DATE 3/6/98 CONTRACT NO. BA7065171
ASST. DIV. CHIEF			DESIGNED BY Jamie Storck COUNTY BALTIMORE
DIVISION CHIEF			DRAWN BY Jamie Storck LOGMILE Q3004504.22
OFFICE DIRECTOR			CHECKED BY M.R. T.I.M.S. NO.
			F.A.P. NO. SEE TITLE SHEET TOD NO.
			DRAWING NO. SS-07 OF SS-25 SHEET NO. 75 OF 137

PLOTTED: 03/02/2006
 FILE: G:\4674\DESIGN\ENGINEERING\PLANSET\SS07MD45.DGN