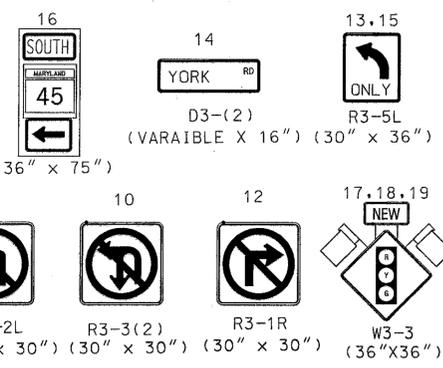


MD 45 IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION

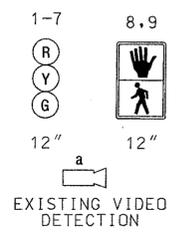
PROPOSED SIGNS



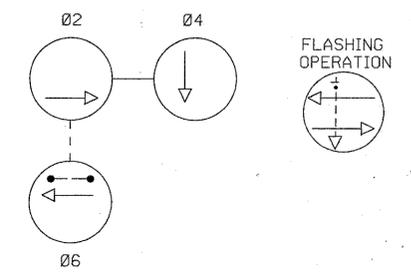
EXISTING SIGNS



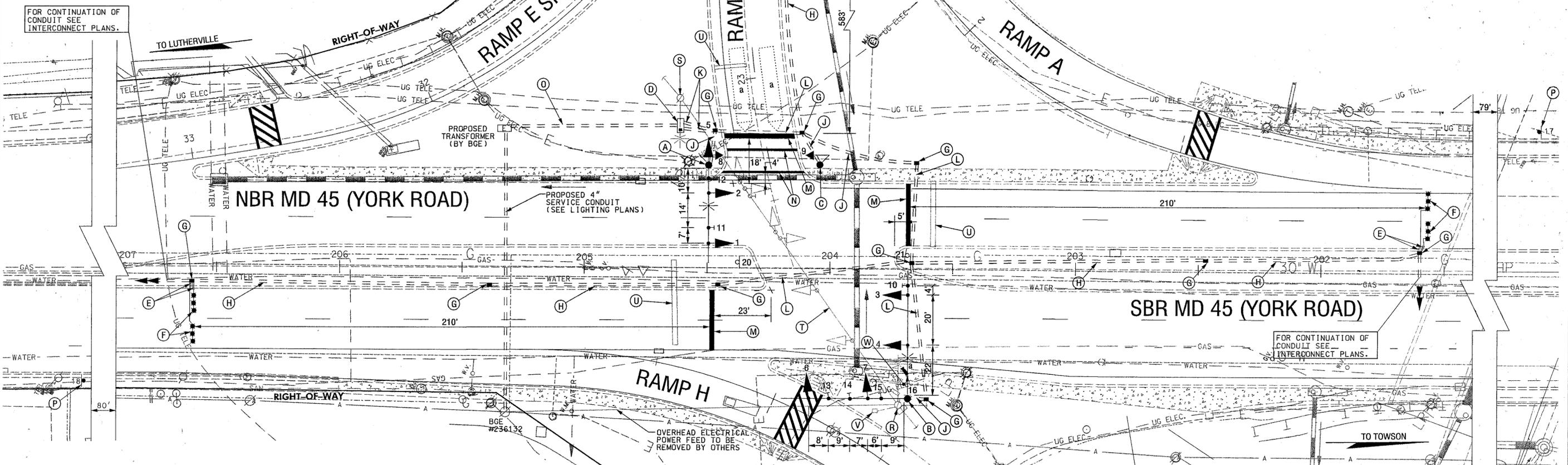
PROPOSED SIGNALS



NEMA PHASING



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



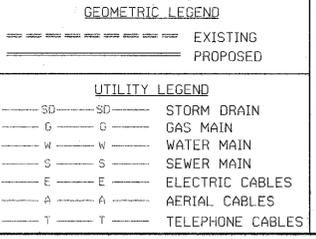
CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 38 FT. MAST ARM WITH TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEAD, SIGNS, 250 WATT HPS LUMINAIRE WITH PHOTOCCELL, 15 FT. LIGHTING ARM. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND STA. 204+49 RT. 42')
- B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 FT. MAST ARMS WITH TRAFFIC SIGNAL HEADS, SIGNS, 250 WATT HPS LUMINAIRE WITH PHOTOCCELL, 15 FT. LIGHTING ARM WITH OVERHEAD VIDEO DETECTION. STA. 203+73 LT. 52'
- C. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE AND PEDESTRIAN SIGNAL HEAD. STA. 204+04 RT. 42'
- D. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. STA 204+60 RT. 55'
- E. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- F. INSTALL MICRO-LOOP PROBE SET WITH 500 FT. OF LEAD-IN CABLE.
- G. INSTALL HANDHOLE.
- H. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- L. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- M. INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

- N. INSTALL 12 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- O. INSTALL 3 IN. PVC SCH. 80 ELECTRICAL - TRENCHED CONDUIT WITH PULLSTRING STUB-UP AT BASE OF NEW POWER TRANSFORMER TRENCHED.
- P. INSTALL GROUND MOUNTED SIGN ON 4 FT. X 4 FT. WOOD POST.
- Q. INSTALL 6 FT. X 20 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING. (3 TURNS).
- R. REMOVE EXISTING WOOD POLE, POLE MOUNTED CABINET AND CONTROLLER, ALL ASSOCIATED EQUIPMENT.
- S. REMOVE EXISTING WOOD POLE, ALL ASSOCIATED EQUIPMENT.
- T. REMOVE EXISTING SPAN WIRE AND ASSOCIATED EQUIPMENT.
- U. REMOVE EXISTING PAVEMENT MARKING.
- V. REMOVE EXISTING HANDBOX.
- W. REMOVE AND RELOCATE EXISTING VIDEO DETECTION CAMERA.

GENERAL NOTES:

1. FOR PROPOSED PAVEMENT MARKINGS OTHER THAN THOSE DETAILED ON THIS PLAN REFER TO THE CONTRACT DOCUMENTS. ANY EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THIS ULTIMATE TRAFFIC SIGNAL PLAN SHALL BE REMOVED PRIOR TO INSTALLATION OF PROPOSED MARKINGS. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED EXCEPT VIDEO DETECTION CAMERA SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
3. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
4. LOOP DETECTORS AND CONDUITS ARE TO BE INSTALLED PRIOR TO INSTALLATION OF THE FINAL PAVEMENT MARKINGS.
5. ALL PROPOSED TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.



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REVISIONS	APPROVALS
	 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION 3-12-03
	 ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 3-12-03
	 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 3-12-03
	 DIRECTOR, OFFICE OF TRAFFIC & SAFETY 3-12-03

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
 TRAFFIC ENGINEERING DESIGN DIVISION
 TRAFFIC SIGNAL PLAN
MD 45 (YORK ROAD) AT
I-695 OFF RAMP E

DRAWN BY: J. WEAVER	F.A.P. NO.	TS NO.
CHECKED BY: S. RENZI	S.H.A. NO. BA3815172	4115
SCALE: 1" = 20'	COUNTY: BALTIMORE	T.I.M.S. NO. C-100
DATE: JANUARY, 2003	LOG MILE:	SHEET NO. 127 OF 167

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