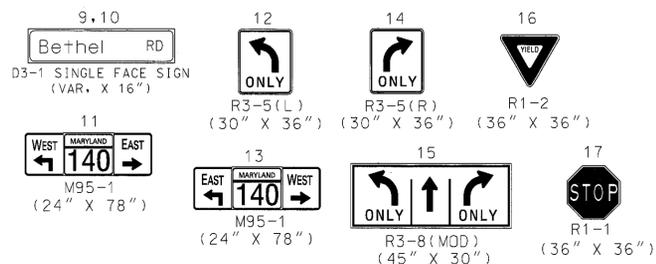


# BETHEL ROAD

## PROPOSED SIGNS



MD 140 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

## GENERAL NOTES

1. MAST ARMS SHALL NOT BE CUT UNTIL FOUNDATION IS INSTALLED AND SIGNAL HEAD LOCATIONS ARE CONFIRMED.
2. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
4. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
5. 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 WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
6. SEE PAVEMENT MARKING PLAN FOR ADDITIONAL PAVEMENT MARKING INSTALLATION AND REMOVAL.
7. CAMERA DETECTION IS SHOWN FOR INFORMATIONAL PURPOSES ONLY AND IS NOT TO BE INSTALLED.

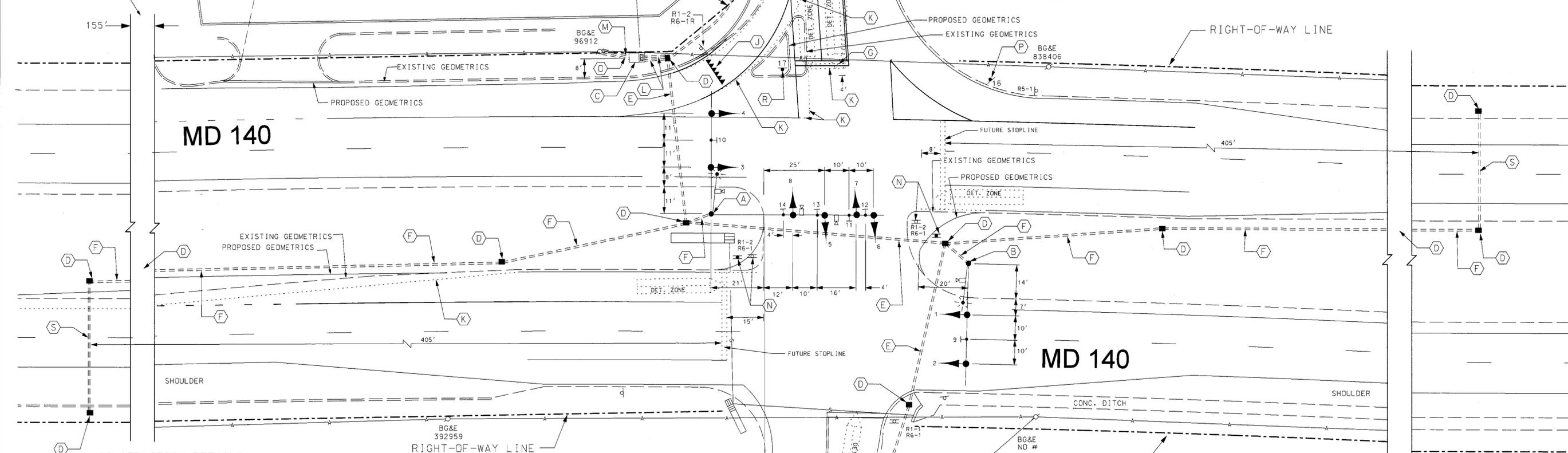
## PROPOSED SIGNALS



## NEMA PHASING



ONE PROPOSED HANDHOLE LOCATED WITHIN BREAK

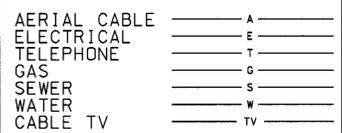


## CONSTRUCTION DETAILS

1. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT./70 FT. MAST ARM, 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE, SIGNAL HEADS, AND SIGNS (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
2. INSTALL 27 FT. MAST ARM POLE WITH 50 FT. MAST ARM, 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE, SIGNAL HEADS, AND SIGNS (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
3. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH CONTROL AND DISTRIBUTION EQUIPMENT, AND ALL OTHER NECESSARY EQUIPMENT (NOTE: INSTALL 2-4 IN. AND 1-2 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
4. INSTALL ELECTRICAL HANDHOLE
5. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
6. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
7. INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
8. INSTALL WHITE HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW (SEE LANE DROP TABLE FOR DETAIL)
9. INSTALL WHITE HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING "SHARKS TEETH"
10. EXISTING PAVEMENT MARKING TO BE REMOVED (.....)
11. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
12. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED FOR PROPOSED ELECTRICAL SERVICE
13. RELOCATE EXISTING GROUND MOUNTED SIGNS
14. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED FOR TELEPHONE SERVICE
15. INSTALL R1-2 SIGN ON ONE 4 IN. X 4 IN. WOOD SUPPORT
16. INSTALL R1-1 SIGN ON TWO 4 IN. X 4 IN. WOOD POSTS
17. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED (FOR FUTURE NON-INVASIVE MICRO-LOOP PROBE)

TRAFFIC CONTROL DEVICE	DISTANCE FROM STOPLINE
RIGHT ARROW	50'
LEFT ARROW	50'
RIGHT ARROW	130'
LEFT ARROW	130'

## LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES



## BETHEL ROAD

**TRAFFIC CONCEPTS, INC.**  
 325 Gambrills Road  
 Suite E  
 Gambrills, MD 21054  
 (410) 923-7101

REVISIONS	APPROVALS
	<i>Anna K. Beall</i> 11/13/04 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 1-12-04 ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 1-12-04 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 1-12-04 DIRECTOR, TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
 Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
 SIGNALIZATION PLAN  
 MD 140 AT BETHEL ROAD

DRAWN BY: M. HOWELL	F.A.P. NO. 4243	TS NO. 4243	SHEET NO. 1 OF 2
CHECKED BY: T. ZAYDEL	S.H.A. NO. BW996M82	T.I.M.S. NO. F754	
SCALE: 1" = 20'	COUNTY: CARROLL		
DATE: 12-2-03	LOG MILE: 06014005.04		