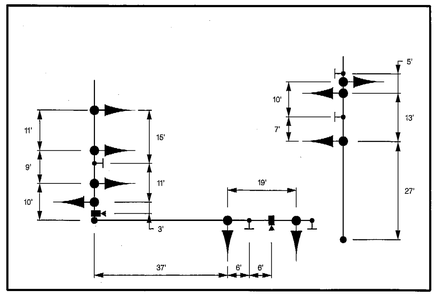
MD 2 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

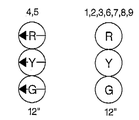
PROPOSED VIDEO DETECTION

A,B

MAST ARM DIMENSIONS



PROPOSED SIGNALS

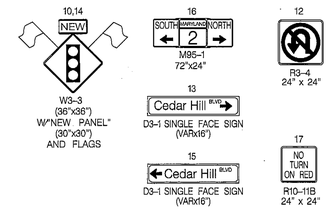


PROPOSED L.E.D. SIGNAL

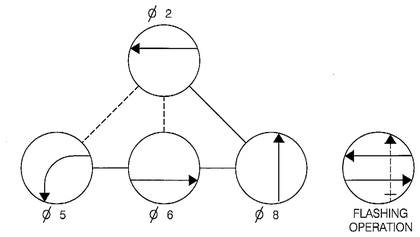
11

W3-3 (MOD)
60" x 60"

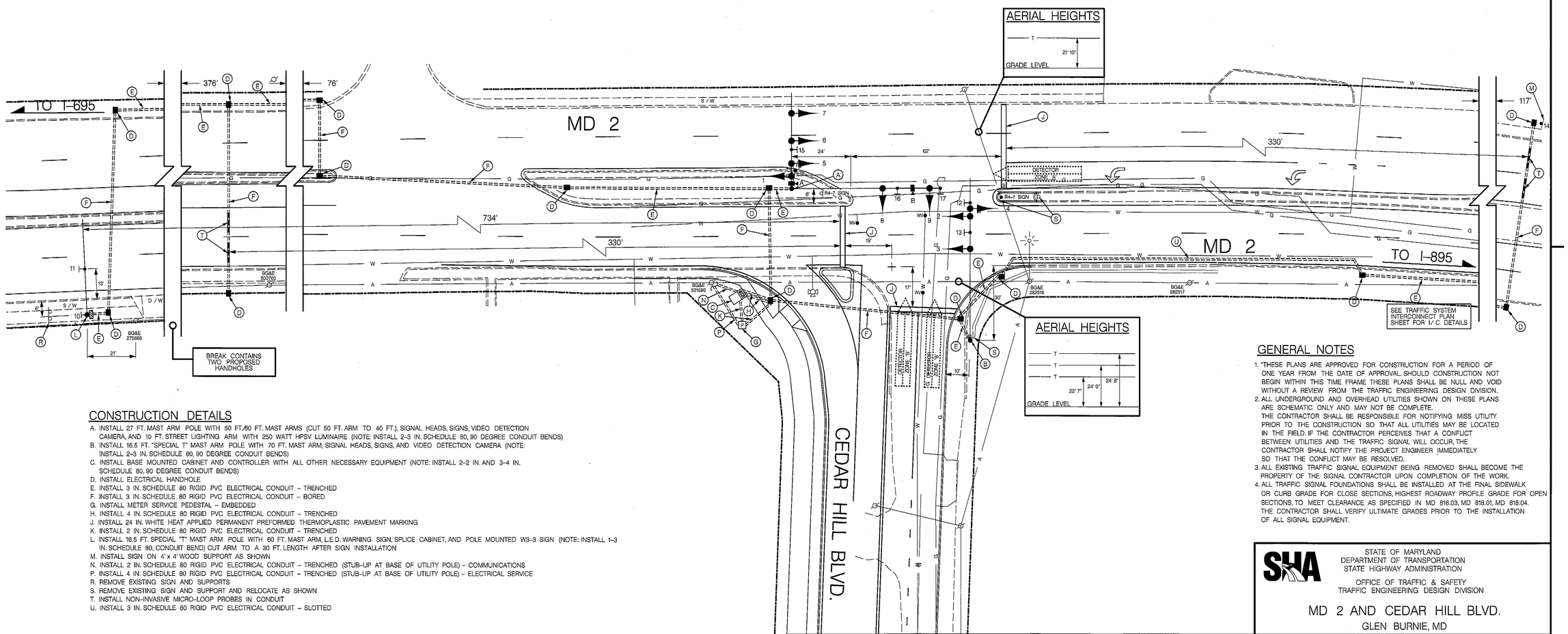
PROPOSED SIGNS



NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL 27 FT. MAST ARM POLE WITH 50 FT./60 FT. MAST ARMS (CUT 50 FT. ARM TO 40 FT.), SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, AND 10 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
B. INSTALL 16.5 FT. "SPECIAL T" MAST ARM POLE WITH 70 FT. MAST ARM, SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERA (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
C. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL OTHER NECESSARY EQUIPMENT (NOTE: INSTALL 2-2 IN. AND 3-4 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
D. INSTALL ELECTRICAL HANDHOLE
E. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT – TRENCHED
F. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT – BORED
G. INSTALL METER SERVICE PEDESTAL – EMBEDDED
H. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT – TRENCHED
J. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
K. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT – TRENCHED
L. INSTALL 16.5 FT. SPECIAL "T" MAST ARM POLE WITH 60 FT. MAST ARM, L.E.D. WARNING SIGN, SPLICE CABINET, AND POLE MOUNTED W3-3 SIGN (NOTE: INSTALL 1-3 IN. SCHEDULE 80, CONDUIT BEND) CUT ARM TO A 30 FT. LENGTH AFTER SIGN INSTALLATION
M. INSTALL SIGN ON 4' x 4' WOOD SUPPORT AS SHOWN
N. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT – TRENCHED (STUB-UP AT BASE OF UTILITY POLE) – COMMUNICATIONS
P. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT – TRENCHED (STUB-UP AT BASE OF UTILITY POLE) – ELECTRICAL SERVICE
R. REMOVE EXISTING SIGN AND SUPPORTS
S. REMOVE EXISTING SIGN AND SUPPORT AND RELOCATE AS SHOWN
T. INSTALL NON-INVASIVE MICRO-LOOP PROBES IN CONDUIT
U. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT – SLOTTED

GENERAL NOTES

1. "THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.
2. 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.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT BEING REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE WORK.
4. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSE SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

TRAFFIC CONCEPTS, INC.
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FAX: (410) 923-6473
TRAFFIC@TRAFFIC-CONCEPTS.COM

APPROVALS	
TEAM LEADER	8/4/09
ASST. DIV. CHIEF	7/5/09
DIVISION CHIEF	3/4/09
OFFICE DIRECTOR	3/4

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 2 AND CEDAR HILL BLVD.
GLEN BURNIE, MD

TRAFFIC SIGNAL PLAN

SCALE	1" = 20'	DATE	1-30-09
CONTRACT NO.	BW996M82		
DESIGNED BY	M.R./S.R.	COUNTY	ANNE ARUNDEL
DRAWN BY	M.ROSEN	LOGMILE	02000239.78
CHECKED BY	S. RENZI 8/6/09	T.I.M.S. NO.	J 408
F.A.P. NO.	N/A	TOD NO.	
DRAWING NO.	TS-4702	SHEET NO.	1 OF 5

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DATE: Friday, February 06, 2009 AT 03:49 PM