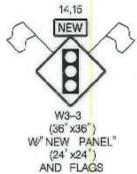


REVISIONS: REV. DATE: ISSUE: 1, 2008

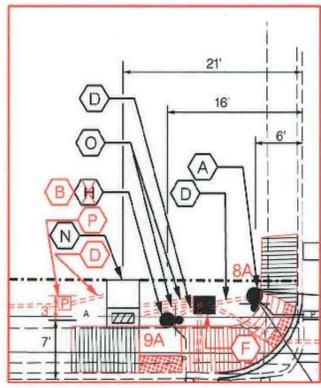


MD 140 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

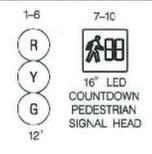
PROPOSED SIGNS



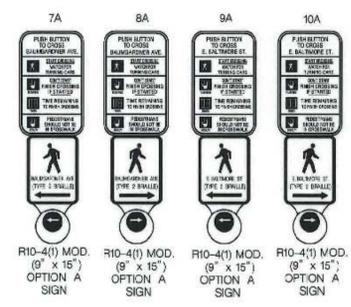
INSET "A"



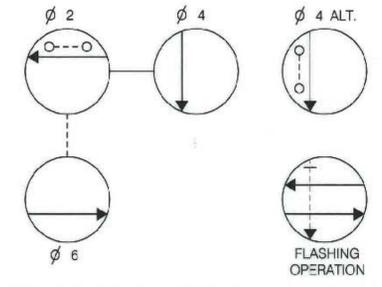
PROPOSED SIGNALS



PROPOSED VIDEO DETECTION CAMERA



NEMA PHASING



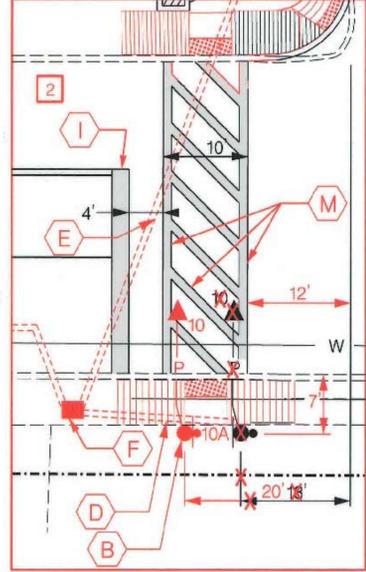
PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

SPECIAL NOTE
OVERHEAD UTILITY LINES IN THE NORTHWEST CORNER MUST BE RAISED PRIOR TO CONSTRUCTION.

UTILITY HEIGHTS
TELEPHONE = 16' - 5"
TELEPHONE = 17' - 2"

UTILITY HEIGHTS
TELEPHONE = 16' - 8"
TELEPHONE = 23' - 11"
PRIMARY = >32' - 0"

INSET "B"



CONSTRUCTION DETAILS

- A. INSTALL 16.5 FT. MAST ARM POLE WITH A 60 FT. MAST ARM, WITH A 15 FT. "T" DIMENSION, VIDEO DETECTION CAMERAS, SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- B. INSTALL 10 FT. PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- C. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - SLOTTED
- D. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- E. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - SLOTTED
- F. INSTALL HANDHOLE
- G. INSTALL NON-INVASIVE MICRO-LOOP PROBE WITH 500 FT. LEAD-IN
- H. VIDEO DETECTION ZONE
- I. INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
- J. INSTALL W3-3 SIGN AND 'NEW' PANEL WITH FLAGS ON TWO 4 IN. X 4 IN. WOOD SUPPORTS 300 FT. PRIOR TO THE INTERSECTION
- K. PROPOSED ELECTRIC SERVICE
- L. PROPOSED TELEPHONE SERVICE
- M. INSTALL 12 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
- N. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ELECTRIC SERVICE UTILITY EQUIPMENT AND ALL NECESSARY EQUIPMENT (NOTE: INSTALL 2-4 IN. AND 2-2 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- O. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- P. METERED SERVICE PEDESTAL - EMBEDDED
- R. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED (STUB-UP AT BASE OF UTILITY POLE)

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

Table with 2 columns: Utility Type and Symbol. Includes Aerial Cable, Electrical, Telephone, Gas, Sewer, Water, Cable TV.

GENERAL NOTES

- 1. 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 CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
- 2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- 3. THE RELOCATION OF SIGNAL HEADS MAY BE REQUIRED DURING THE MAINTENANCE OF TRAFFIC. ADEQUATE ELECTRICAL CABLE SHALL BE PROVIDED TO FACILITATE THESE RELOCATIONS.
- 4. PUSHBUTTONS ARE TO BE LOCATED ADJACENT TO A LEVEL (<1:40) LANDING (10" X 54") ALONG THE PEDESTRIAN ACCESS ROUTE LEADING TO THE CROSSWALK.
- 5. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL 2%.
- 6. THE 10" SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE.
- 7. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- 8. THE ADA COMPLIANT SIDEWALK RAMPS ARE TO BE BUILT TO STANDARD AND AS SPECIFIED IN THE ROADWAY PLANS.

REDLINE REVISION NO. 2
2008
Jumper W. Arnold 8/28/08

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101
FAX (410) 923-6473
EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

Table with columns for APPROVALS and REVISIONS. Includes fields for Team Leader, Ass. Div. Chief, Division Chief, Office Director, and revision details.

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 140 (E. BALTIMORE ST.) AND BAUMGARDNER AVE. TANEYTOWN, MARYLAND SCALE 1" = 20' DATE 9-29-07 CONTRACT NO. CL 6955184 DESIGNED BY T. ZAYDEL COUNTY CARROLL DRAWN BY T. ZAYDEL LOGMILE 08014020.78 CHECKED BY K. SCHMID T.I.M.S. NO. H 545 F.A.P. NO. TOD NO. DRAWING NO. TS-4547 SHEET NO. 198 OF