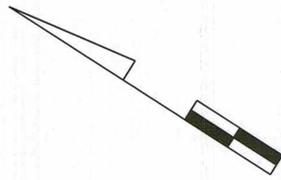


DRILL HOLES

DRILL HOLES

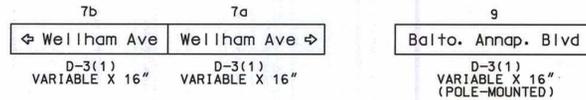
DRILL HOLES

BORDER REV. DATE: June 1, 2004

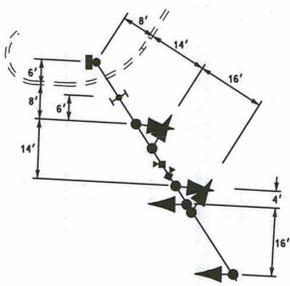


NOTE: MD 648 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

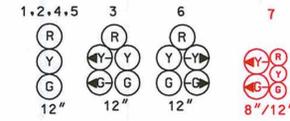
PROPOSED SIGNS



POLE AND SIGNAL HEAD DIMENSIONS SCALE: 1"=20'

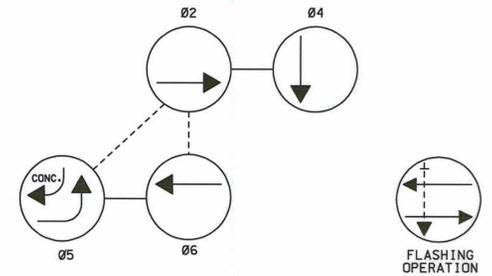


PROPOSED LED SIGNALS

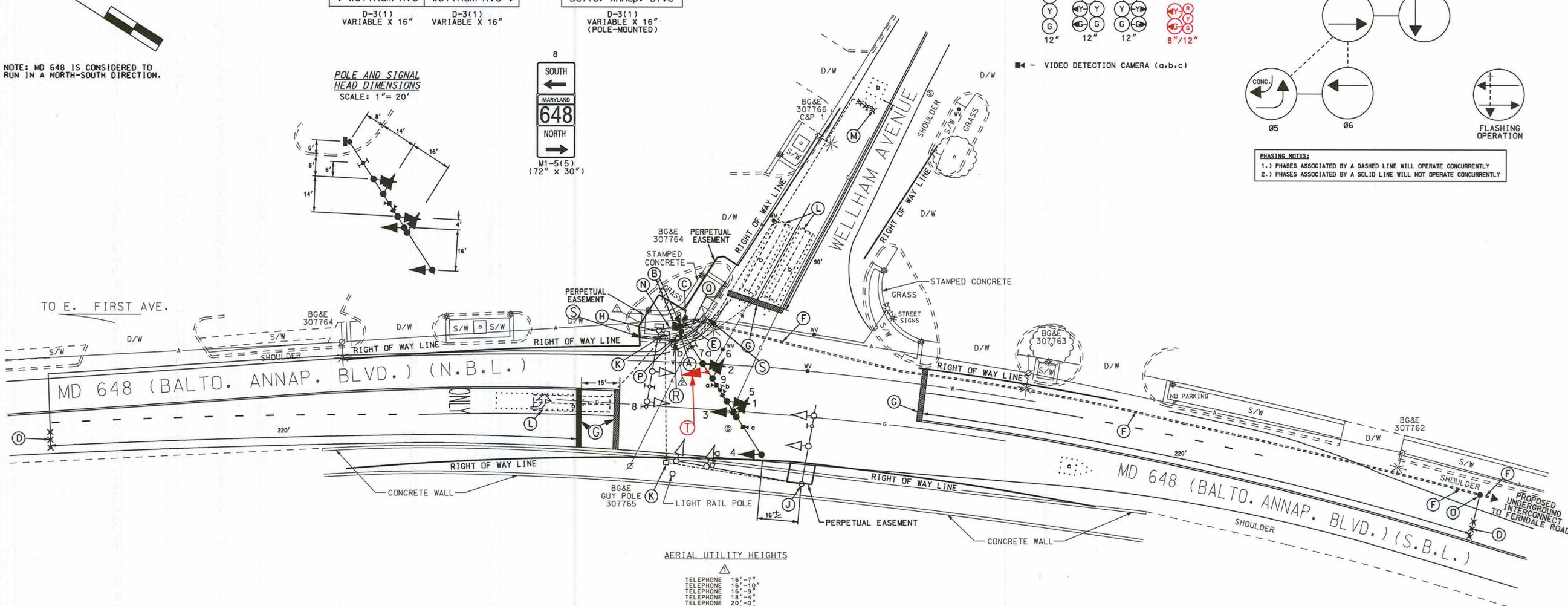


VIDEO DETECTION CAMERA (a,b,c)

NEMA PHASING



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



AERIAL UTILITY HEIGHTS

TELEPHONE	16'-7"
TELEPHONE	16'-9"
TELEPHONE	16'-9"
TELEPHONE	18'-4"
TELEPHONE	20'-0"
TELEPHONE	21'-0"
TELEPHONE	22'-0"
SECONDARY	28'-4"
PRIMARY	38'-0"

GUY	26'-0"
GUY	27'-0"
GUY	30'-0"

CONSTRUCTION DETAILS

- A. Install 21' steel pole with a 60' mast arm, traffic signal heads, signs, video detector cameras, and electrical service equipment as shown. (Note: 2-3", 90° polyvinyl chloride (Schedule 80) bends.)
- B. Install NEMA size "5" pole-mounted cabinet and controller with 3" LB. video interface and all necessary equipment as shown.
- C. Install handhole.
- D. Install micro-loop probes as shown.
- E. Install 2-3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- F. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- G. Remove existing stopline and install 24" white, heat applied permanent preformed thermoplastic pavement marking (stopline) in same location.
- H. Remove existing signal pole, all attached signal equipment and foundation 12" below grade. Install concrete sidewalk section. (Note: SHA Forces shall remove controller & all auxiliary equipment within cabinet.)
- J. Remove existing signal pole, all attached signal equipment and foundation 12" below grade.
- K. Remove existing handhole. Cap and abandon existing conduit.
- L. Abandon existing loop detector.
- M. Abandon existing micro probe.
- N. Existing overhead electrical service to be removed.
- D. Install manhole.
- P. Install 1" galvanized steel electrical conduit (detector wire sleeve).
- O. Overhead electrical service to be installed by BGE. The existing overhead electrical service should be able to be reused and installed as a "work with" pending BGE inspection.
- R. INSTALL CURB AND GUTTER 18" PARALLEL FROM EXISTING CURBLINE
- S. TIE TO EXISTING JOINT IN CURB LINE
- T. INSTALL PROPOSED 5-SECTION 8"/12" SIGNAL HEAD ON EXISTING MAST ARM. (SIGNAL HEAD INCLUDED ON ORIGINALLY APPROVED PLANS BUT LEFT OFF OF REDLINE 1 PLANS)

GENERAL NOTES:

- 1. All underground 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 the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that 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 clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- 3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
- 4. The contractor shall remove all unused wiring.

REDLINE 2 APPROVED 9/5/2012; DENNIS DODA, TEAM LEADER TEDD

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

MD 648 (BALTO. ANNAP. BLVD.) AND WELLHAM AVENUE FERDALE, MARYLAND

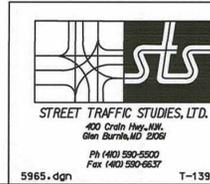
TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 10-3-77 CONTRACT NO. AA112-501-585

DESIGNED BY D. DODA COUNTY ANNE ARUNDEL DRAWN BY DODGE-GLENIS HARRIS LOGMILE 02 E 64804.94 CHECKED BY A. BUDNICHUK TMS NO. F.A.P. NO. TOD NO.

TS NO. 1356D DRAWING NO. 1 OF 7 SHEET NO. OF

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	---
ELECTRIC	---
TELEPHONE	---
GAS	---
SEWER	---
WATER	---
CABLE TV	---



APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
11-16-2011	REBUILD SIGNAL AND ADD INTERCONNECT SHA # XRG215195 XXG475195 TMS NO. 6799
09/05	INSTALL VIDEO DETECTION OT 2005 TMS NO. H454
10-3-77	ASBUILT
TMZ	E.P. D.A.Z. AA112-501-585

PLOTTED: 9/4/2012 10:05 AM FILE: 9/4/12