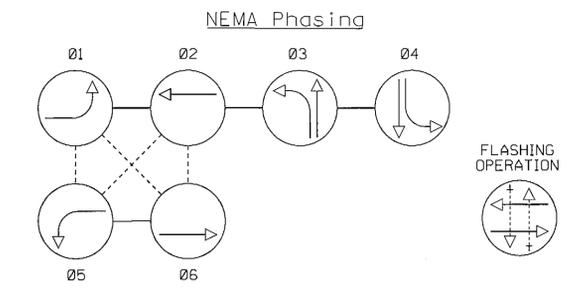
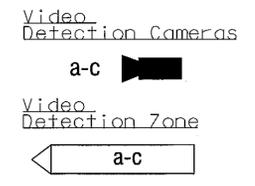
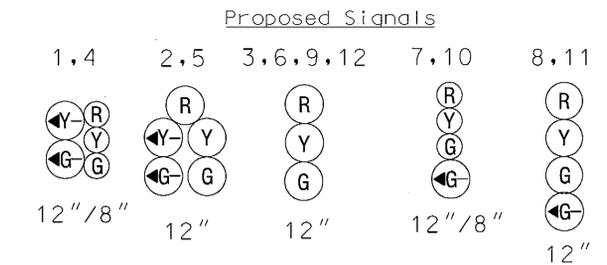
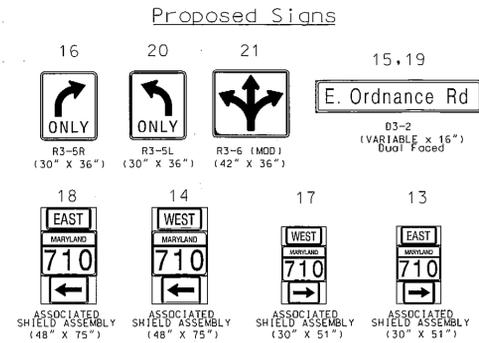
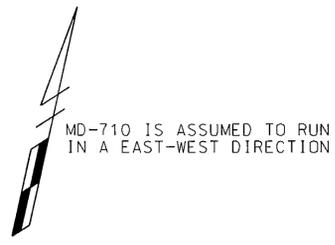


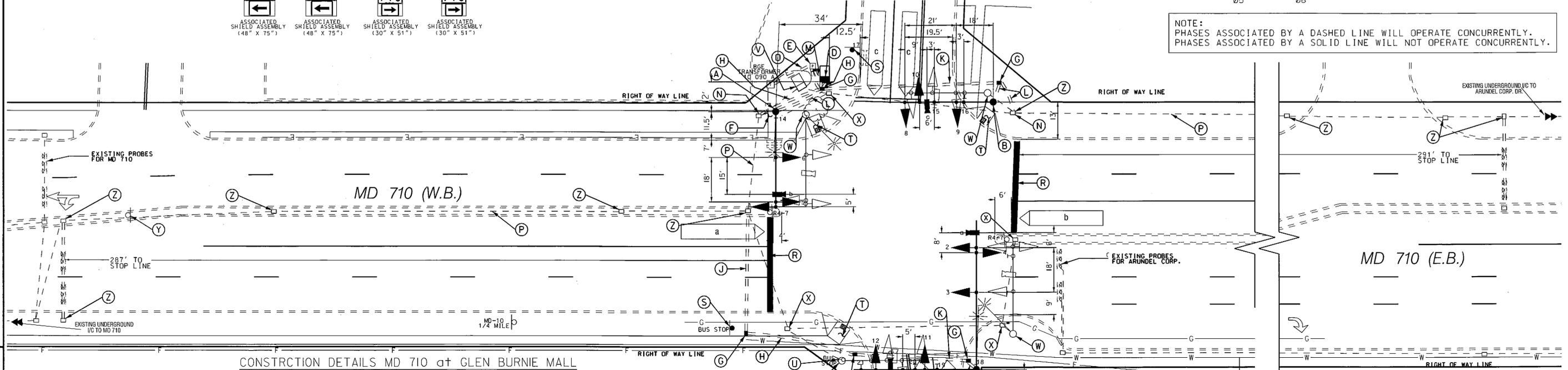
BORDER REV: DATE: JUN 1, 2004



BY: \$USERNAMES



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



CONSTRUCTION DETAILS MD 710 at GLEN BURNIE MALL

- A. Install 27' steel pole with 38' mast arm, traffic signal heads, signs, video detection camera, 15' lighting arm and 250 watt HPS Luminaire. (Note: 1-4" PVC Schedule 80 conduit bend.)
B. Install 27' steel pole cut to 21' with 38' mast arm, traffic signal heads, signs, video detection camera. (Note: 1-3" PVC Schedule 80 conduit bend.)
C. Install 27' steel pole with twin 50' and 60' mast arms, traffic signal heads, signs, video detection cameras, 20' lighting arm and 250 watt HPS Luminaire. (Note: 1-3" PVC Schedule 80 conduit bend.)
D. Install NEMA size "6" base mounted controller and cabinet with all necessary equipment.
E. Install embedded metered service pedestal (100 AMP) for electrical service utility connection.
F. Remove existing concrete for signal equipment. Replace with 5 inch concrete sidewalk.
G. Install electrical handhole.
H. Install 4" PVC Schedule 80 electrical conduit. (Trenched)
J. Install 4" PVC Schedule 80 electrical conduit. (Slotted)
K. Install 4" PVC Schedule 80 electrical conduit. (Bored)
L. Install 3" PVC Schedule 80 electrical conduit. (Trenched)
M. Install 2" PVC Schedule 80 electrical conduit. (Trenched)
N. Use existing handhole. Pull back existing interconnect cable, and micro loop probe leads from cabinet, and re-route to new cabinet.
O. Install 4" PVC Schedule 80 electrical conduit (trenched to transformer for BGE Electrical Service, stub out with pull string).
P. Use existing conduit.
R. Install 24" White heat applied thermoplastic pavement marking as shown. (Stopline)
S. Install ground mounted sign on 4x4 wood post. Wood supports installed in concrete shall be installed with sleeved foundations as per standards MD-812.01-01 and MD-812.05-02.
T. Remove damaged sidewalk ramp and replace with new ramp (Standard No. MD 655.11) Install detectable warning surface per standard no. MD 655.40
U. Remove bus stop sign from existing signal pole and re-install on 4"x4" wood pole as shown.
V. Remove existing cabinet, remove foundation 12" below grade, backfill and cap and abandon existing conduits.
W. Remove existing steel pole and mast arm, and all attached signal equipment, remove foundation 12" below grade, backfill and cap and abandon existing conduits.
X. Remove existing electrical handhole, cap and abandon existing conduit.
Y. Remove existing lane use sign overhanging median edges.
Z. Use existing handhole.

GENERAL NOTES

- 1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. ALL PAVEMENT MARKINGS DETAILED SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
8. 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 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.

GEOMETRIC LEGEND: Dashed line for EXISTING, Solid line for PROPOSED. UTILITY LEGEND: SD - STORM DRAIN, G - GAS MAIN, W - WATER MAIN, S - SEWER MAIN, E - ELECTRIC CABLES, A - AERIAL CABLES, T - TELEPHONE CABLES, F - FIBER -OPTIC

Century ENGINEERING CONSULTING ENGINEERS - PLANNERS 10710 GILROY ROAD HUNT VALLEY, MD 21031

WAE Williams Associates-Engineers, P.A. 251 Najoles Road, Suite E Millersville, Maryland 21108 Phone: 410-728-1004 Facsimile: 410-728-1009

APPROVALS table with fields for TEAM LEADER, ASST. DIR. CHIEF, DIVISION CHIEF, OFFICE DIRECTOR

REVISIONS table with entries: RECONSTRUCT EXISTING TRAFFIC SIGNAL, INSTALL VIDEO DETECTION, SPLIT SIDE STREETS

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION

MD 710 (E. ORDNANCE RD.) AT ENTRANCE TO GLEN BURNIE MALL

TRAFFIC SIGNAL PLAN table with fields for SCALE, ADVERTISED DATE, CONTRACT NO., DESIGNED BY, COUNTY, DRAWN BY, LOGMILE, CHECKED BY, TMS NO., F.A.P. NO., TOD NO., TS NO., DRAWING, SHEET NO.

PLOTTED: \$DATETIMES FILE: \$FILES