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

BORDER REV: DATE: June 1, 2004

DRILL HOLES

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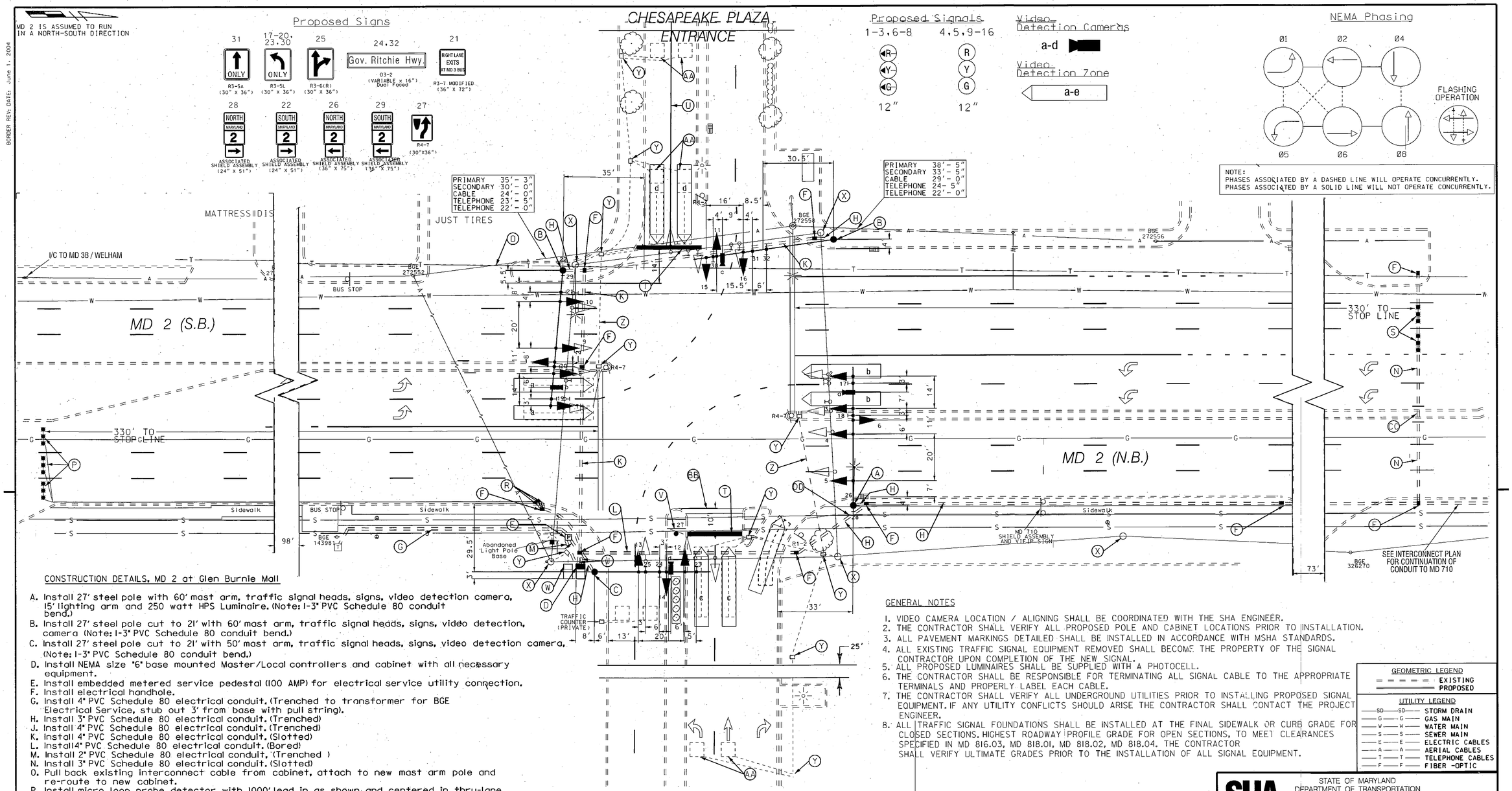
BY: $USERNAME$



CONSTRUCTION DETAILS, MD 2 at Glen Burnie Mall

A. Install 27' steel pole with 60' mast arm, traffic signal heads, signs, video detection camera, 15' lighting arm and 250 watt HPS Luminaire. (Note: 1-3" PVC Schedule 80 conduit bend.)
B. Install 27' steel pole cut to 21' with 60' mast arm, traffic signal heads, signs, video detection, camera (Note: 1-3" PVC Schedule 80 conduit bend.)
C. Install 27' steel pole cut to 21' with 50' mast arm, traffic signal heads, signs, video detection camera, (Note: 1-3" PVC Schedule 80 conduit bend.)
D. Install NEMA size "6" base mounted Master/Local controllers and cabinet with all necessary equipment.
E. Install embedded metered service pedestal (100 AMP) for electrical service utility connection.
F. Install electrical handhole.
G. Install 4" PVC Schedule 80 electrical conduit. (Trenched to transformer for BGE Electrical Service, stub out 3' from base with pull string).
H. Install 3" PVC Schedule 80 electrical conduit. (Trenched)
J. Install 4" PVC Schedule 80 electrical conduit. (Trenched)
K. Install 4" PVC Schedule 80 electrical conduit. (Slotted)
L. Install4" PVC Schedule 80 electrical conduit. (Bored)
M. Install 2" PVC Schedule 80 electrical conduit, (Trenched)
N. Install 3" PVC Schedule 80 electrical conduit. (Slotted)
O. Pull back existing interconnect cable from cabinet, attach to new mast arm pole and re-route to new cabinet.
P. Install micro loop probe detector with 1000' lead in as shown and centered in thru-lane.
R. Install 1 inch flexible conduit detector sleeve.
S. Install Non-invasive micro loop probes with 1000' lead in as shown and centered in thru-lane.
T. Install 24" White heat applied thermoplastic pavement marking as shown. (Stopline)
U. Install 5" White heat applied thermoplastic pavement marking to form lane line 100 feet in length as shown.
V. Install ground mounted sign. Wood supports installed in concrete shall be installed with sleeved foundations as per standards MD-812.05-01 and MD-812.05-02.
W. Remove existing cabinet, remove foundation 12" below grade, backfill and cap and aband on existing conduits.
X. Remove existing strain pole and all attached signal equipment, remove foundation 12" be low grade, backfill and cap and abandon existing conduits.
Y. Remove existing electrical handhole, cap and abandon existing conduit.
Z. Cap and abandon existing conduit.
AA. Abandon existing vehicle detectors.
BB. Remove existing pavement marking.
CC. Install 3" PVC Schedule 80 electrical conduit (Bored under monolithic median)
DD. Push 3' conduit under existing sidewalk

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 PHOTOCELL.
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
EXISTING
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
Williams Associates-Engineers, P.A.
251 Najoles Road, Suite E
Millersville, Maryland 21108
Phone: 410-729-1004
Facsimile: 410-729-1009

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS
F RECONSTRUCT SIGNAL FROM STRAIN POLES TO MAST ARMS SHA NO. AA 261516B/11 MAY 2009
WAE MAR DAN 2/26 11/16
E INSTALL DOUBLE LEFT TURNS ON MD 2 5/97
NML DJD DAZ GRS
D REPLACED FAILED LOOP DETECTION 3/14/2006
RCS

PLOTTED: $DATETIME$
FILE: $FILE$

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

MD 2 (GOVERNOR RITCHIE HWY.) AT ENTRANCE TO GLEN BURNIE MALL/CHESAPEAKE SQUARE

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE 11-72 CONTRACT NO. AA 887-603-585

DESIGNED BY B. PASQUA
DRAWN BY B. PASQUA
CHECKED BY DAN 7/1/09
F.A.P. NO.
COUNTY ANNE ARUNDEL
LOGMILE 02000238.80
TIMS NO. J661
TOD NO.

TS NO. 709F DRAWING 1 OF 2 SHEET NO. 6 OF 31