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

Proposed Signs

13.15 — R4-7 (18" X 24")
18 — R3-5L (30" X 36") ONLY
19 — R3-6L (30" X 36")
20 — Gov. Ritchie Hwy. — D3-2 (VARIABLE x 16") Dual Faced
14.16 — 6th Avenue — D3-2 (VARIABLE x 16") Dual Faced
17 — NORTH MARYLAND 2 — ASSOCIATED SHIELD ASSEMBLY (24"X51")
23 — SOUTH MARYLAND 2 — ASSOCIATED SHIELD ASSEMBLY (24"X51")
22 — NORTH MARYLAND 2 — ASSOCIATED SHIELD ASSEMBLY (24"X51")
21 — SOUTH MARYLAND 2 — ASSOCIATED SHIELD ASSEMBLY (36"X75")

Proposed Signals

1.2.5.6 — R Y G — 12"
3.4.7.8.9-12 — R Y G — 12"

Video Detection Cameras: a-e

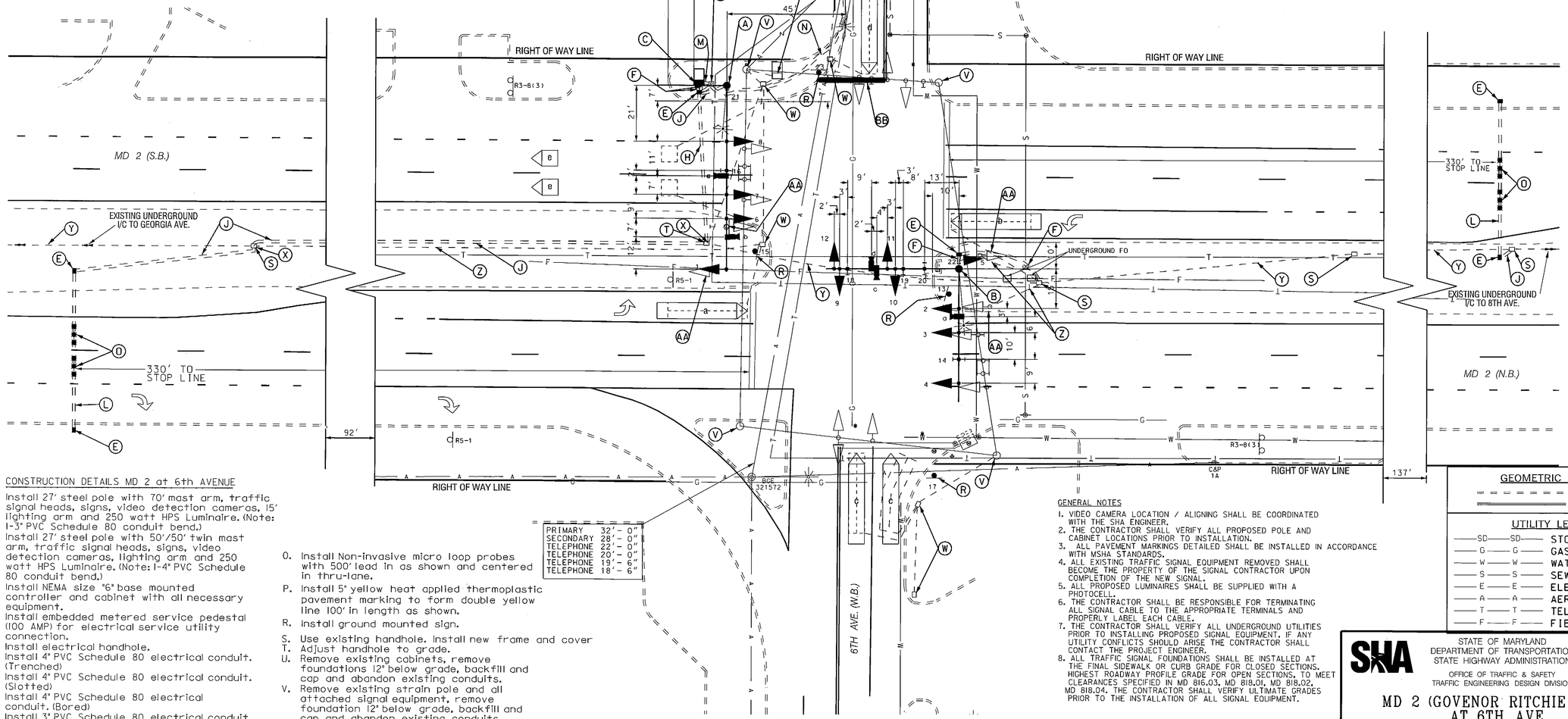
Video Detection Zone: a-e

NEMA Phasing

Ø1 Ø2 Ø4
Ø6 Ø5 Ø8

FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
PHASE 5 IS PROGRAMMED TO SEQUENCE AS A LAG LEFT TURN.



CONSTRUCTION DETAILS MD 2 at 6th AVENUE

A. Install 27' steel pole with 70' mast arm, traffic signal heads, signs, video detection cameras, 15' lighting arm and 250 watt HPS Luminaire. (Note: 1-3" PVC Schedule 80 conduit bend.)
B. Install 27' steel pole with 50'/50' twin mast arm, traffic signal heads, signs, video detection cameras, lighting arm and 250 watt HPS Luminaire. (Note: 1-4" PVC Schedule 80 conduit bend.)
C. Install NEMA size "6" base mounted controller and cabinet with all necessary equipment.
D. Install embedded metered service pedestal (100 AMP) for electrical service utility connection.
E. Install electrical handhole.
F. Install 4" PVC Schedule 80 electrical conduit. (Trenched)
G. Install 4" PVC Schedule 80 electrical conduit. (Slotted)
H. Install 4" PVC Schedule 80 electrical conduit. (Bored)
J. Install 3" PVC Schedule 80 electrical conduit. (Trenched)
K. Install 3" PVC Schedule 80 electrical conduit. (Slotted)
L. Install 3" PVC Schedule 80 electrical conduit. (Bored)
M. Install 2" PVC Schedule 80 electrical conduit. (Trenched)
N. Install 4" PVC Schedule 80 electrical conduit. Trenched to island nose and slotted to base of BGE pole, stub out and install pull string for electric service.
O. Install Non-Invasive micro loop probes with 500' lead in as shown and centered in thru-lane.
P. Install 5" yellow heat applied thermoplastic pavement marking to form double yellow line 100' in length as shown.
R. Install ground mounted sign.
S. Use existing handhole. Install new frame and cover
T. Adjust handhole to grade.
U. Remove existing cabinets, remove foundations 12" below grade, backfill and cap and abandon existing conduits.
V. Remove existing strain pole and all attached signal equipment, remove foundation 12" below grade, backfill and cap and abandon existing conduits.
W. Remove existing electrical handhole, cap and abandon existing conduit.
X. Pull back interconnect cable to this location and reinstall through new 3" conduit as shown.
Y. Use existing conduit.
Z. Cap and abandon existing conduit.
AA. Remove existing pedestal pole, remove foundation 12" below grade, backfill and cap and abandon existing conduits.
BB. Install 24" White heat applied thermoplastic pavement marking as shown (stopline)

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	
(D) RECONSTRUCTION TRAFFIC SIGNAL FROM STRAIN POLES TO MAST ARMS SHA NO. AA295168 MAY 2009	
(C) REDRAWN ORIGINAL ON FILE	6/23/1986
(B) CHNG LOOPS & HD BOXES FAP NO. HES 3003(1) SHA NO. AA-424-501-576	4/21/1986

PLOTTED: $DATETIME$
FILE: $FILE$

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

MD 2 (GOVENOR RITCHIE HWY.) AT 6TH AVE.

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE ____ CONTRACT NO. AA887-2-585

DESIGNED BY ____ COUNTY ANNE ARUNDEL
DRAWN BY M. SCHNEIDER LOGMILE 02000236.99
CHECKED BY 7/1/09 TIMS NO. J661
F.A.P. NO. ____ TOD NO. ____

TS NO. 782 D | DRAWING -1 OF 2 | SHEET NO. 14 OF 31

DRILL HOLES
DRILL HOLES
DRILL HOLES
BORDER REV: DATE: June 1, 2004
BY: $USERNAME$