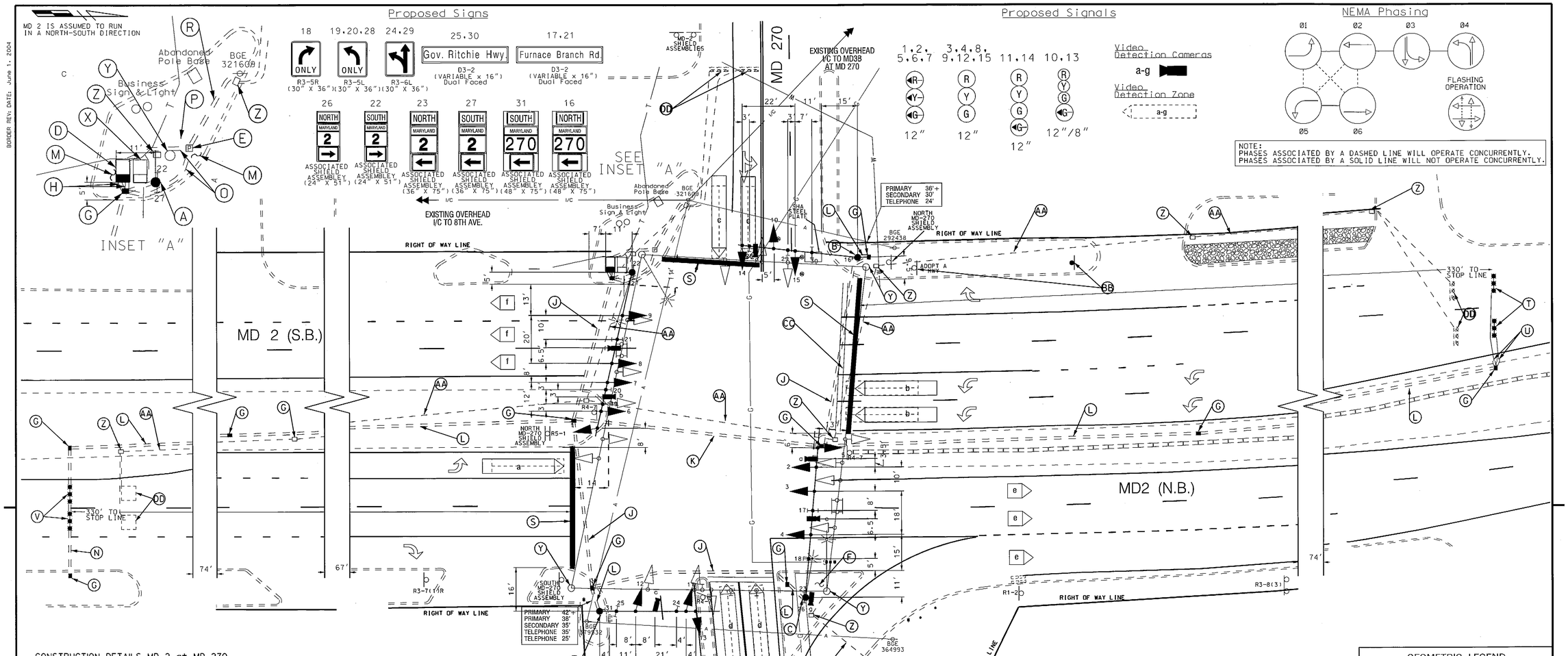

CONSTRUCTION DETAILS MD 2 at MD 270

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: 1-4" PVC Schedule 80 conduit bend.)
B. 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.)
C. Install 27' steel pole with 70' 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.)
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. Remove existing vegetation. (Bushes)
N. Install 3" PVC Schedule 80 electrical conduit. (Bored)
O. Install 2" PVC Schedule 80 electrical conduit. (Trenched)
P. Pull back existing interconnect cable from cabinet, attach to new mast arm pole and re-route to new cabinet.
R. Install 4" PVC Schedule 80 electrical conduit (trenched to base of utility pole for BGE Electrical Service, stub out at pole base with pull string).
S. Install 24" White heat applied thermoplastic pavement marking as shown. (Stopline)
T. Install micro loop probe detector with 1000' lead in as shown and centered in thru-lane.
U. Install 1 inch flexible conduit detector sleeve.
V. Install Non-invasive micro loop probes with 500' lead in as shown and centered in thru-lane.
X. Remove existing cabinet, remove foundation 12" below grade, backfill and cap and abandon existing conduits.
Y. Remove existing strain pole and all attached signal equipment, remove foundation 12" below grade, backfill and cap and abandon existing conduits.
Z. Remove existing electrical handhole, cap and abandon existing conduit.
AA. Cap and abandon existing conduit.
BB. Remove existing sign and support, and relocate on new 4"X4" post.
CC. Remove existing pavement markings.
DD. Abandon existing vehicle detectors.

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

TTT CENTURY ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GUILDY 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

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

MD 2 (GOVENOR RITCHIE HWY.) AT MD 270 (FURNACE BRANCH RD.)

TRAFFIC SIGNAL PLAN

APPROVALS	REVISIONS
TEAM LEADER	F RECONSTRUCT TRAFFIC SIGNAL FROM STRAIN POLES TO MAST ARMS SHA NO. AA261516B MAY 2009
ASST. DIV. CHIEF	E AS BUILT SHA NO. 855-25057051 8-2-1996
DIVISION CHIEF	
OFFICE DIRECTOR	

SIGNAL ON FILE

SCALE 1" = 20' ADVERTISED DATE 1-88 CONTRACT NO. AA397-501-580

DESIGNED BY DCD COUNTY ANNE ARUNDEL
DRAWN BY DCD LOGMILE 02000237.75
CHECKED BY TIMS NO. J661
F.A.P. NO. TOD NO.

TS NO. 761F DRAWING 1 OF 2 SHEET NO. 12 OF 31

PLOTTED: $DATETIME$
FILE: $FILE$