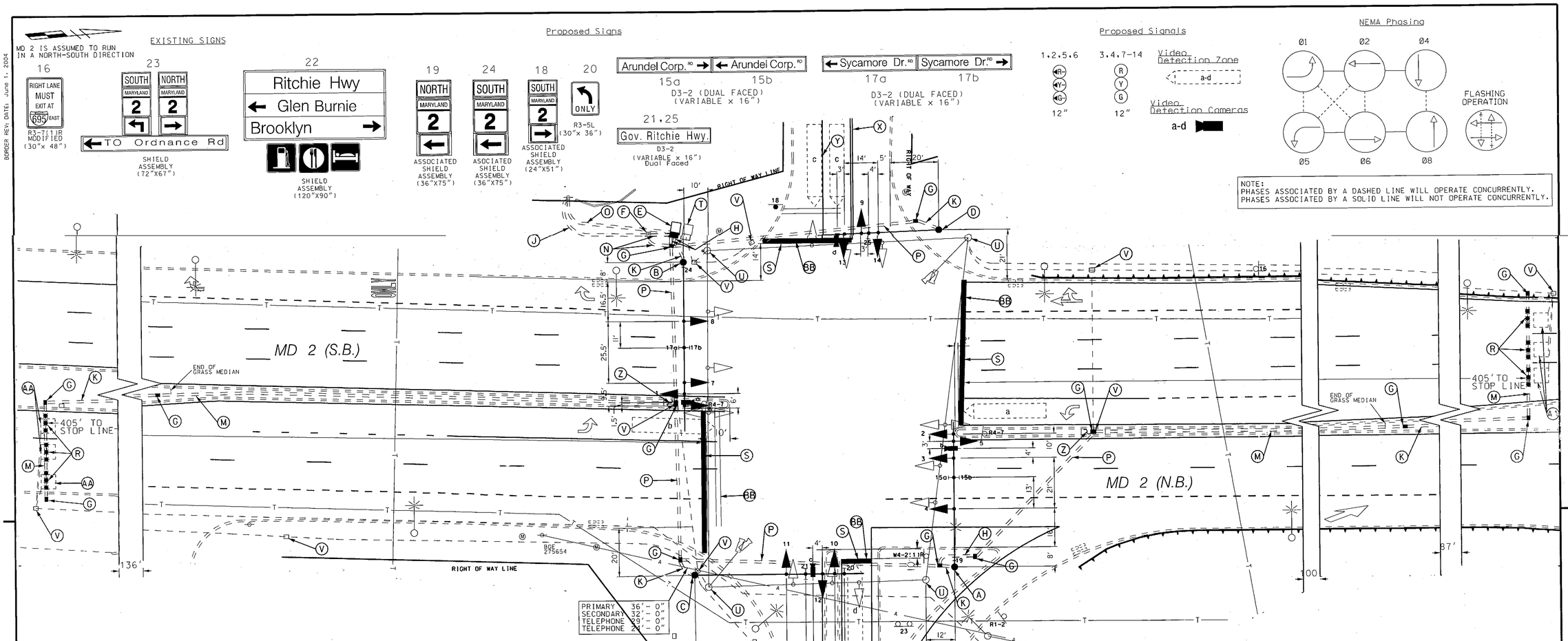

CONSTRUCTION DETAILS MD 2 at MD 711

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 70' 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 70' mast arm, traffic signal heads, signs, video detection camera. (Note: 1-3" PVC Schedule 80 conduit bend.)
D. 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.)
E. Install NEMA size "6" base mounted controller and cabinet with all necessary equipment.
F. Install embedded metered service pedestal (100 AMP) for electrical service utility connection.
G. Install electrical handhole.
H. Install 4" PVC Schedule 80 electrical conduit. (Trenched)
J. 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).
K. Install 3" PVC Schedule 80 electrical conduit. (Trenched)
L. Install 4" PVC Schedule 80 electrical conduit. (Slotted)
M. Install 3" PVC Schedule 80 electrical conduit. (Bored)
N. Install 2" PVC Schedule 80 electrical conduit. (Trenched)
O. Install 2" PVC Schedule 80 electrical conduit. (Trenched to base of utility pole for Telephone Service, stub out at pole base with pull string).
P. Install 4" PVC Schedule 80 electrical conduit. (Bored)
R. Install Non-invasive micro loop probes with 1000' lead in as shown and centered in thru-lane.
S. Install 24" White heat applied thermoplastic pavement marking as shown. (Stop line)
T. Remove existing cabinet, remove foundation 12" below grade, backfill and cap and abandon existing conduits.
U. Remove existing strain pole and all attached signal equipment, remove foundation 12" below grade, backfill and cap and abandon existing conduits.
V. Remove existing electrical handhole, cap and abandon existing conduit.
W. Cap and abandon existing conduit.
X. Install 75', 5" double yellow heat applied thermoplastic pavement marking as shown.
Y. Install 75', 5" white heat applied thermoplastic pavement marking as shown.
Z. Remove 10' of existing monolithic median for hand hole installation and re-install new 4' monolithic median.
AA. Abandon existing vehicle detectors.
BB. Remove existing pavement marking.

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
1071 GILROY ROAD
HUNT VALLEY, MD 21031

WAE Williams Associates Engineers
Williams Associates-Engineers, P.A.
251 Najoles Road, Si ite E
Millersville, Maryland 21108
Phone: 410-729-1004
Facsimile: 410-729-1009

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

REVISIONS
(B) RECONSTRUCT TRAFFIC SIGNAL FROM STRAIN POLES TO MAST ARMS SHA NO. AA875-5168 MAY 2009 — WAE | MAR | RCS | 12/8 | TH 12/8
(A) REPLACE FAILED LOOP DETECTORS SHA NO. AW 577-501-085 4/94 — RCS | TH

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 ARUNDEL CORPORATION RD. (MD 711) / SYCAMORE DR.

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE 11/72 CONTRACT NO. AA 875-576

DESIGNED BY G. COOK
DRAWN BY G. COOK
CHECKED BY 7/1/09
F.A.P. NO.
COUNTY ANNE ARUNDEL
LOGMILE 02000239.34
TIMS NO. J661
TOD NO.

TS NO. 797B | DRAWING 1 OF 2 | SHEET NO. 2 OF 31