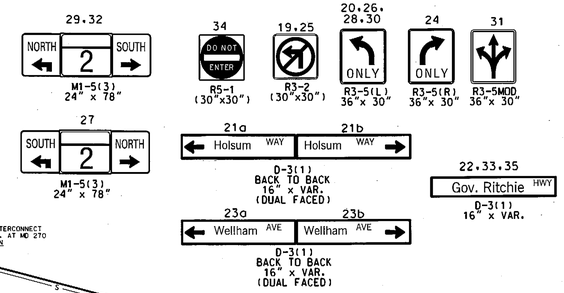
MD 2 (GOVERNOR RITCHIE HIGHWAY) IS ASSUMED TO RUN IN THE NORTH/SOUTH DIRECTION.

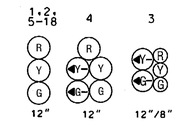
SPECIAL NOTES:

1. LOCATION OF MICRO-LOOP PROBES, CONDUIT AND HANDHOLES ARE SHOWN FOR INFORMATIONAL PURPOSES AND SHALL BE INSTALLED AS DETAILED ON SIGNAL PLAN SHEET TS-241D MD 2 AT DOVER ROAD.
2. THIS SIGNAL RECONSTRUCTION SHALL BE COORDINATED WITH THE RECONSTRUCTION OF MD 2 AT DOVER ROAD. TURN ON DATES SHALL BE COORDINATED TO OCCUR SIMULTANEOSLY TO INSURE NO DOWN TIME AT THE INTERCONNECTAL SIGNAL SYSTEM.

PROPOSED SIGNS



PROPOSED LED SIGNAL HEADS



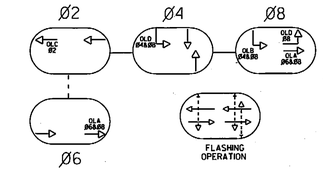
VIDEO DETECTION CAMERA

a,b,c,d,e

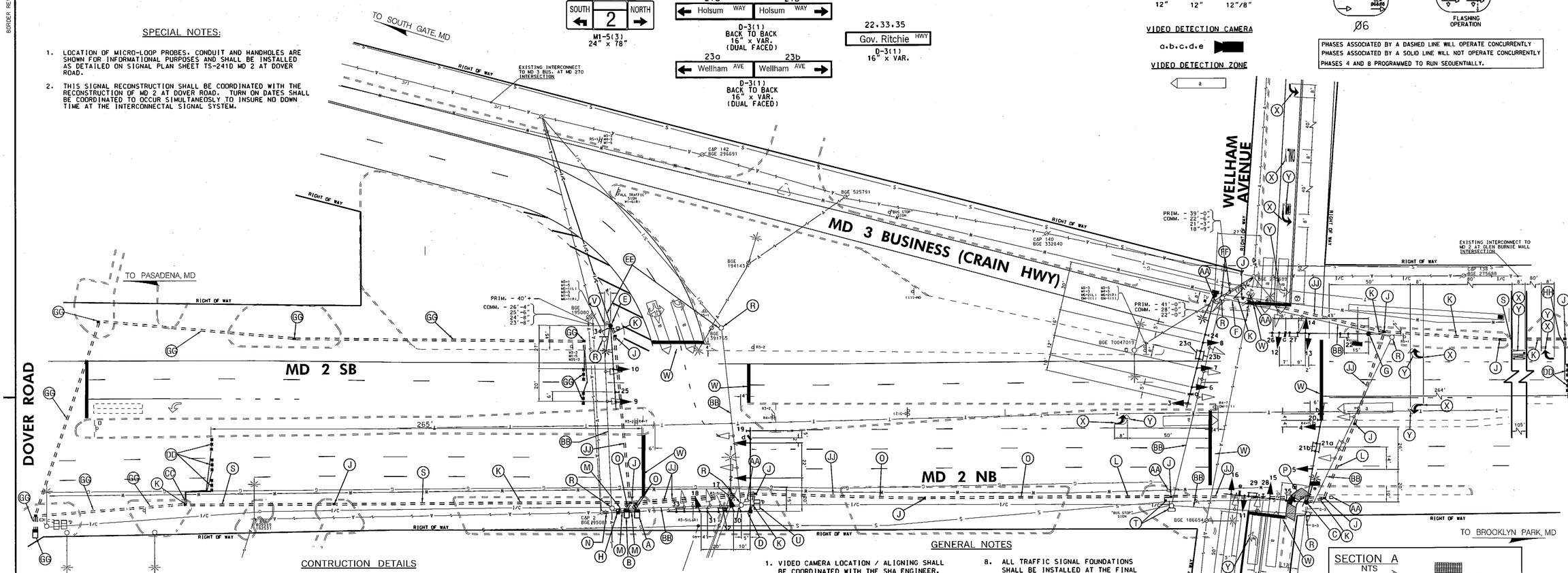
VIDEO DETECTION ZONE

a

PHASE CHART

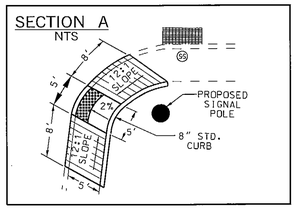


PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
PHASES 4 AND 8 PROGRAMMED TO RUN SEQUENTIALLY.



SECTION A

NTS



CONTRUCTION DETAILS

A. INSTALL NEMA 6 BASE-MOUNTED CABINET AND CONTROLLER WITH NECESSARY EQUIPMENT.

B. INSTALL NEMA BASE-MOUNTED CABINET AND BATTERY BACK-UP WITH NECESSARY EQUIPMENT.

C. INSTALL 27' STEEL POLE WITH TWIN MAST ARMS (50' AND 60') WITH TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, AND 15' LIGHTING ARM AND 250 WATT HPS LUMUNAIRE (NOTE: 1-3", 90° PVC SCH. 80 BEND).

D. INSTALL 27' STEEL POLE WITH TWIN MAST ARMS (50' AND 50') WITH TRAFFIC SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERAS (NOTE: 1-3", 90° PVC SCH. 80 BEND).

E. INSTALL 27' STEEL POLE WITH 50' MAST ARMS WITH TRAFFIC SIGNAL HEADS, SIGNS, 15' LIGHTING ARM AND 250 WATT HPS LUMUNAIRE (NOTE: 1-3", 90° PVC SCH. 80 BEND).

F. INSTALL 27' (CUT DOWN TO 21') STEEL POLE WITH 70' MAST ARMS WITH TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 15' LIGHTING ARM AND 250 WATT HPS LUMUNAIRE, 3" WEATHERHEAD AND SPLICE CABINET WITH NECESSARY EQUIPMENT (NOTE: 2-3", 90° PVC SCH. 80 BENDS).

G. INSTALL 27' STEEL POLE WITH 60' MAST ARMS WITH TRAFFIC SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERAS (NOTE: 1-3", 90° PVC SCH. 80 BEND).

H. INSTALL METERED 100 AMP SERVICE PEDESTAL FOR ELECTRICAL SERVICE.

J. INSTALL HANDHOLE.

K. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

L. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.

M. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

N. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT TRENCHED TO BASE OF UTILITY POLE AND STUB UP WITH PULL STRING FOR PROPOSED NEW FEED.

O. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

P. INSTALL STANDARD PEDESTRIAN RAMP (MD STD. TYPE 655.12) WITH A DETECTABLE WARNING SURFACE (MD STD 655.40) INSTALLED THE LENGTH OF THE RAMP OPENING (SEE SECTION A).

R. REMOVE EXISTING STRAIN POLE AND FOUNDATION 12" BELOW GRADE. CAP AND ABANDON ALL EXISTING CONDUIT.

S. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED

T. REMOVE EXISTING STRAIN POLE AND EXISTING SPLICE CABINET. CAP AND ABANDON ALL EXISTING CONDUIT. RELOCATE EXISTING "BUS STOP" SIGN ON EXISTING STRAIN POLE TO NEW 4" X 4" WOOD SIGN SUPPORT AS SHOWN ON PLAN.

U. REMOVE EXISTING CONTROLLER AND CABINET. REMOVE FOUNDATION 12" BELOW GRADE. REMOVE ALL EXISTING CABLES.

V. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.

W. REMOVE EXISTING PAVEMENT MARKING (STOPLINE) AND REPLACE WITH 24" HEAT APPLIED WHITE PERMANENT PREFORMED THEROPLASTIC PAVEMENT MARKINGS SAME AS EXISTING.

X. INSTALL NEW WHITE PAVEMENT MARKINGS ARROWS AS SHOWN IN ACCORDANCE TO SHA STANDARDS.

Y. REMOVE EXISTING PAVEMENT MARKINGS.

AA. REMOVE EXISTING HANDHOLE. CAP AND ABANDON EXISTING CONDUIT.

BB. REMOVE EXISTING SPAN WIRE, SIGNAL HEADS, AND SIGNS.

CC. INSTALL 3 - 1" FLEXABLE CONDUIT DETECTOR SLEEVES. ONE FOR EACH PROBE.

DD. INSTALL MICROLOOP PROBES WITH 500' LEAD-IN.

EE. PULL BACK EXISTING INTERCONNECT CABLE TO THIS POLE DETACH AND RELOCATE TO NEW POLE AND REROUTE TO NEW CABINET.

FF. PULL BACK EXISTING INTERCONNECT CABLE TO THIS POLE DETACH AND REATTACH TO THE PROPOSED NEW POLE AND TERMINATE IN THE SPLICE CABINET.

GG. SEE SIGNAL PLAN FOR MD 2 AND DOVER RD (TS-241D).

HH. INSTALL 2 - 1" FLEXABLE CONDUIT DETECTOR SLEEVES. ONE FOR EACH PROBE.

JJ. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - BORED.

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. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS. OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS 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 APPROPRIATE TERMINAL AND PROPERLY LABEL EACH CABLE.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY 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 AS 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

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

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

REVISION 'C' 26265.15

APPROVALS

ORIGINALS ON FILE

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

(C) RECONSTRUCT TRAFFIC SIGNAL FROM STRAIN POLES TO MAST ARM SHA No. AA 261-168 MAY 2009
ENB
(B) REPLACE FAILED LOOP DETECTOR SHA#: AW-577-501-083 3/94
RCS
(A) 5/29/73 ASBUILT
B.T.

PLOTTED: $DATETIME$
FILE: $FILE$

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 2 AT WELLHAM AVENUE/ HOLSUM WAY AND MD 3 BUSINESS

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 30' ADVERTISED DATE 1/8/1973 CONTRACT NO. AA 887-003-585

DESIGNED BY D. DODA
DRAWN BY D. DODA
CHECKED BY
F.A.P. NO.

COUNTY ANNE ARUNDEL
LOGMILE 02000238.19
TIMS NO. J 661
TOD NO.

TS NO. 826C | DRAWING 1 - 2 OF | SHEET NO. 8 OF 31

DRILL HOLES
DRILL HOLES
DRILL HOLES

BORDER REV: DATE: June 1, 2004

BY: $USERNAME$