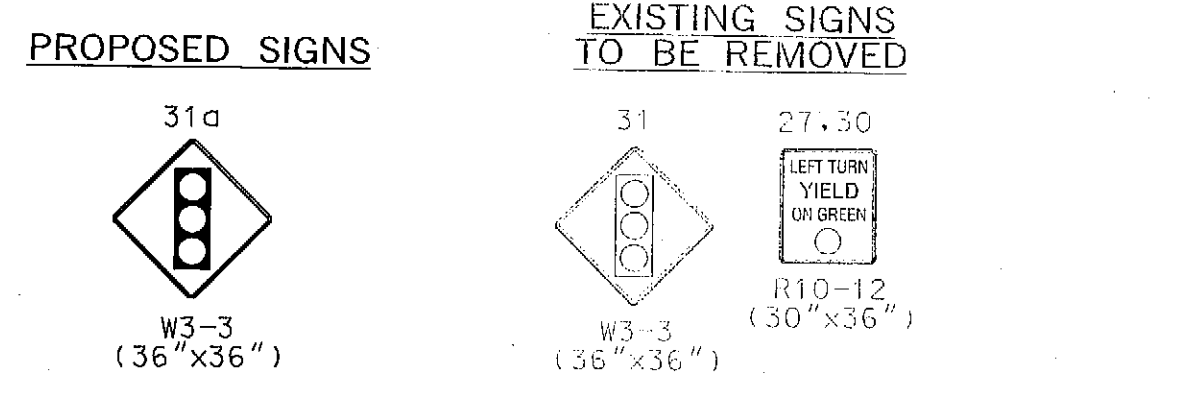
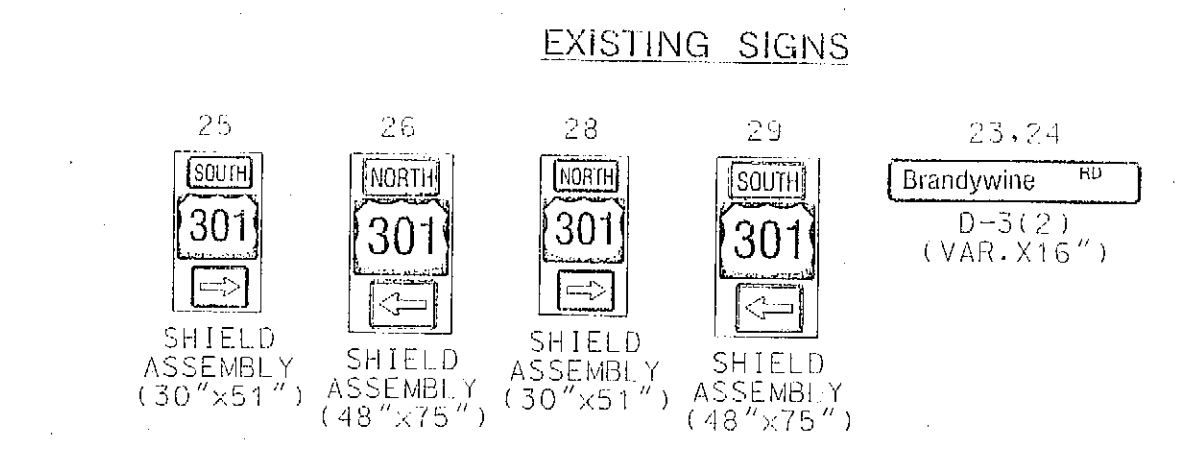


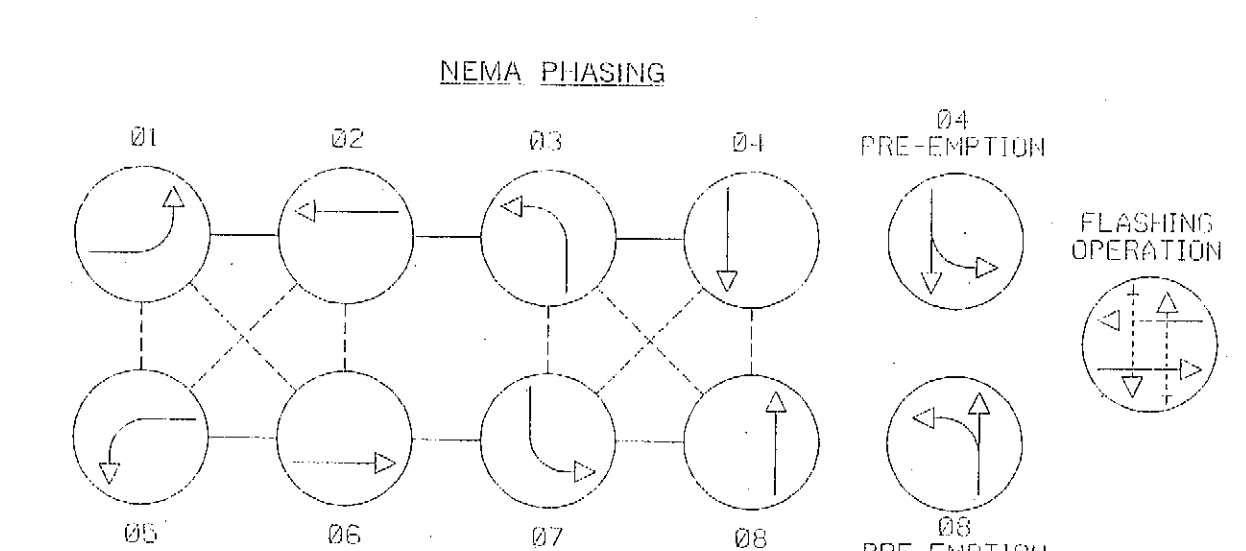
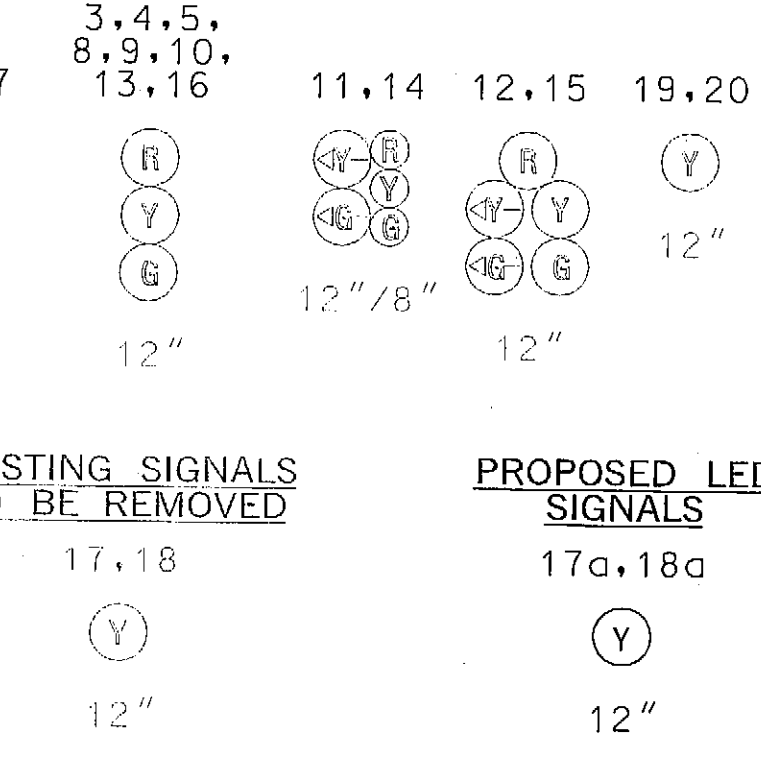
US 301 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



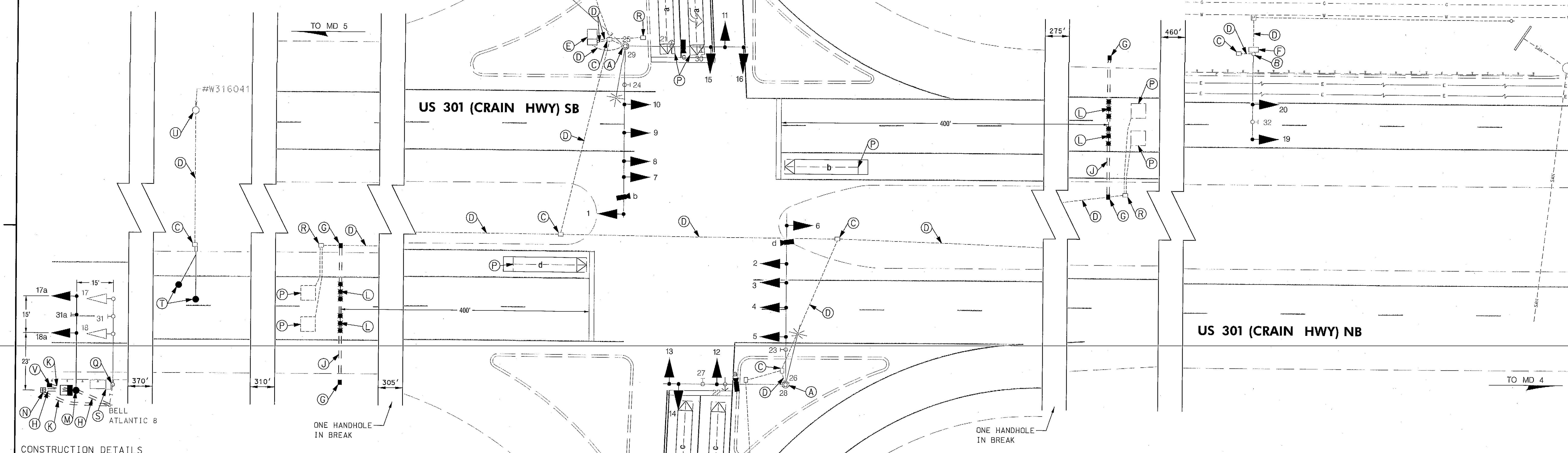
EXISTING OPTICOM DETECTOR
21,22

PROPOSED VIDEO DETECTION
a,b,c,d

EXISTING SIGNALS WITH PROPOSED LED MODULES

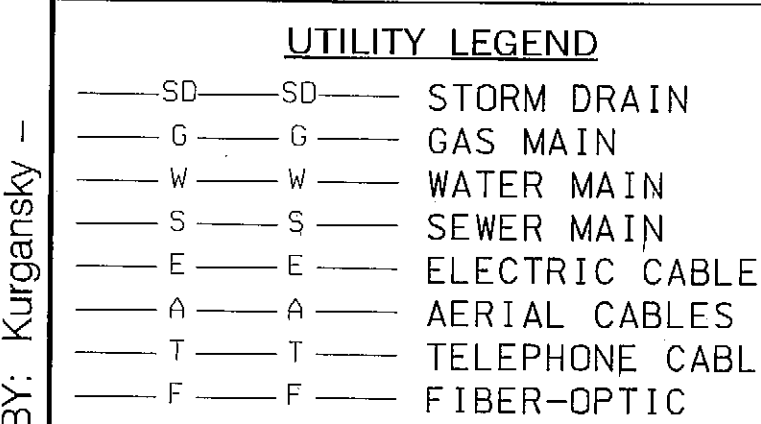
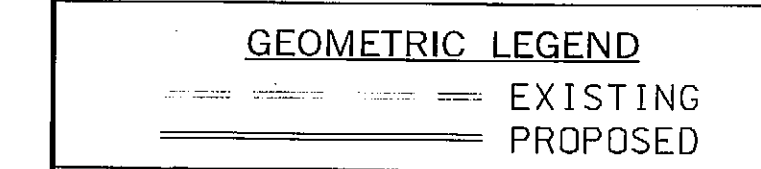


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- A. USE EXISTING MAST ARM. INSTALL PROPOSED LED SIGNAL MODULES AND VIDEO DETECTION CAMERAS. REMOVE EXISTING R10-12 SIGN.
- B. USE EXISTING MAST ARM. INSTALL PROPOSED LED SIGNAL MODULES.
- C. USE EXISTING HANDHOLE.
- D. USE EXISTING CONDUIT.
- E. USE EXISTING CABINET AND CONTROLLER. INSTALL VIDEO DETECTION INTERFACE EQUIPMENT (BY SHA FORCES).
- F. USE EXISTING CABINET AND CONTROLLER.
- G. INSTALL PROPOSED ELECTRICAL HANDHOLE WITH THE LONG EDGE PERPENDICULAR TO THE ROADWAY AS SHOWN.
- H. INSTALL 2 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
- J. INSTALL 3 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - BORED.
- L. INSTALL 3 IN. PVC (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
- K. INSTALL NON-INVASIVE PROBES (SET OF 3).
- M. INSTALL 27 FT. MAST ARM POLE WITH A 38" MAST ARM. INSTALL PROPOSED SIZE 5 POLE MOUNTED CABINET, LED SIGNAL HEADS AND SIGN. (NOTE: INSTALL 1-3 IN. AND 1-2 IN 90° PVC CONDUIT BEND IN FOUNDATION). INSTALL CONCRETE PAD FOR ACCESS.
- N. INSTALL EMBEDDED METERED SERVICE PEDESTAL. (NOTE: INSTALL 1-3" AND 3-2" SCHEDULE 80 CONDUIT BENDS)
- P. ABANDON EXISTING LOOP DETECTORS AND REMOVE ALL ASSOCIATED WIRING.
- Q. REMOVE EXISTING SIGNAL POLE, SIGNS, SIGNAL HEADS AND ALL ASSOCIATED WIRES.
- R. REMOVE EXISTING HANDHOLE.
- S. REMOVE EXISTING SIGNAL CABINET AND CONCRETE PAD AND ALL ASSOCIATED EQUIPMENT.
- T. EXISTING RWIS SENSORS AND ALL ASSOCIATED EQUIPMENT TO BE REMOVED BY DISTRICT FORCES PRIOR TO RESURFACING. AFTER THE FINAL PAVEMENT HAS BEEN LAID, DISTRICT FORCES SHALL SAW CUT PAVEMENT AND INSTALL NEW SENSORS AND WIRINGS IN SAME LOCATION AS PER SPECIAL PROVISIONS.
- U. USE EXISTING RWIS STATION AND CABINET.
- V. INSTALL PROPOSED ELECTRICAL HANDHOLE.



GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE MODIFIED SIGNAL, EXCEPT AS STATED ON THE GENERAL INFORMATION SHEET.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
4. 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.
5. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.
6. THE CONTRACTOR SHALL CONTACT MR. RAYMOND EDWARDS WITH THE OFFICE OF MAINTENANCE RADIO SHOP ONE WEEK PRIOR TO MILLING SO THAT THE EXISTING RWIS SENSORS CAN BE DISCONNECTED.

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APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
1. INSTALL VIDEO DETECTION, UPGRADE TO LED SIGNALS & REPLACE MIB HIB
SHA NO. PG7265577 TMS NO. L488 05062013
AS BUILT 5-10-06
SHA NO. BW996M82 06042008
J RELOCATED SB US 301 HIB
SHA NO. BW996M82 08212006

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 301 (CRAIN HWY) AT
MD 381 (BRANDYWINE RD)
UPPER MARLBORO, MD

SIGNALIZATION PLAN SHEET

SCALE 1"=20' DATE JUNE 5, 1972 CONTRACT NO. P269X-335

DESIGNED BY COUNTY PRINCE GEORGE'S
DRAWN BY J. BOBER LOGMILE 16030103.12
CHECKED BY TMS NO.
F.A.P. NO. N/A TOD NO.

TS NO. 596-K DRAWING SG-01 OF 02 SHEET NO. 01 OF 06