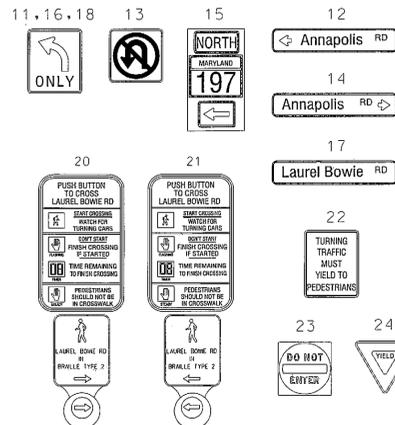


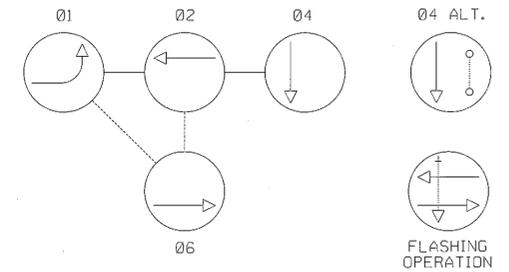
EXISTING SIGNS



EXISTING SIGNALS

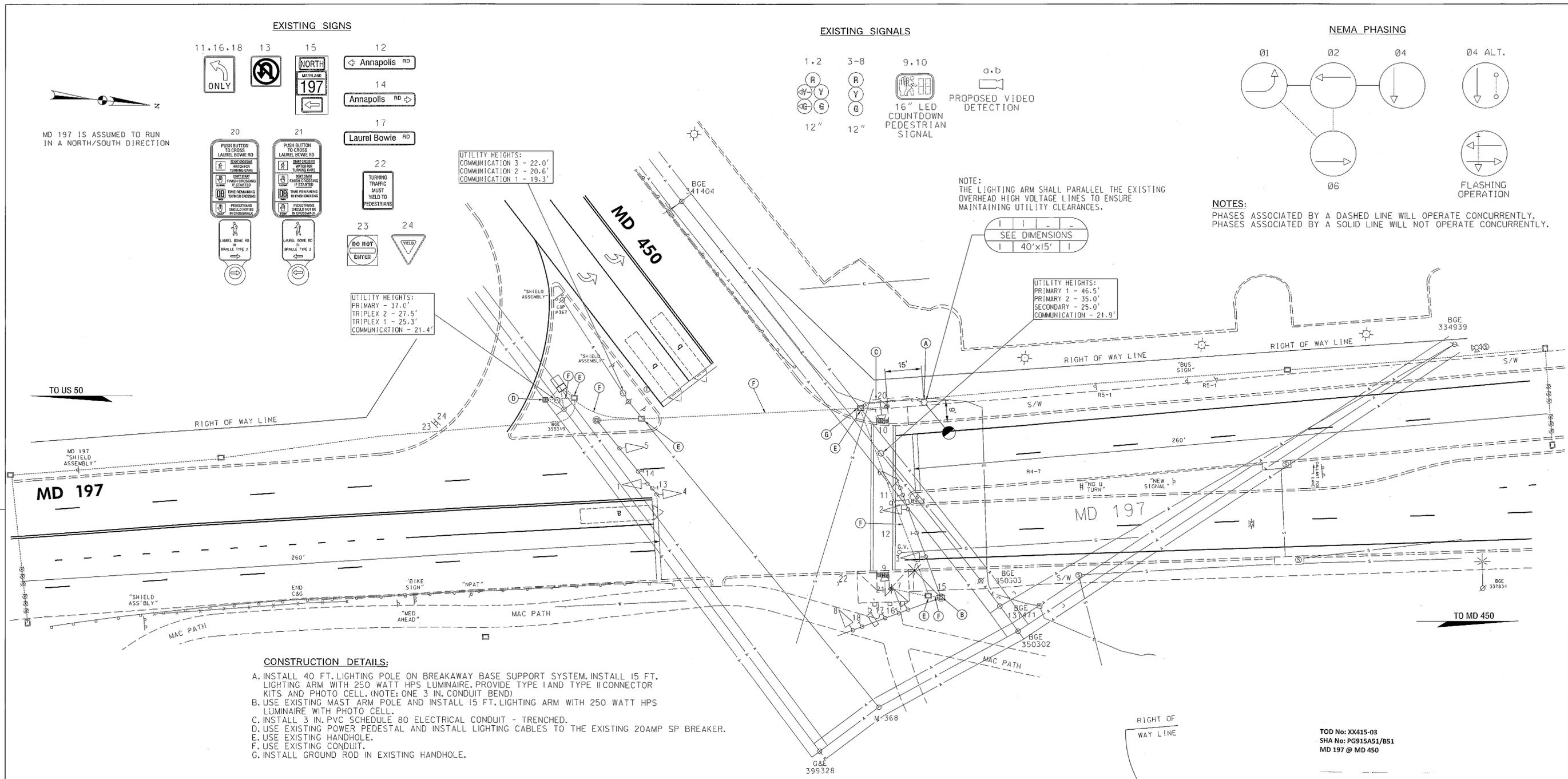
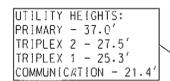
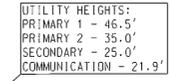
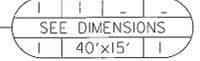


NEMA PHASING



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

NOTE:
THE LIGHTING ARM SHALL PARALLEL THE EXISTING OVERHEAD HIGH VOLTAGE LINES TO ENSURE MAINTAINING UTILITY CLEARANCES.



CONSTRUCTION DETAILS:

- A. INSTALL 40 FT. LIGHTING POLE ON BREAKAWAY BASE SUPPORT SYSTEM. INSTALL 15 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. PROVIDE TYPE I AND TYPE II CONNECTOR KITS AND PHOTO CELL. (NOTE: ONE 3 IN. CONDUIT BEND)
- B. USE EXISTING MAST ARM POLE AND INSTALL 15 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE WITH PHOTO CELL.
- C. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- D. USE EXISTING POWER PEDESTAL AND INSTALL LIGHTING CABLES TO THE EXISTING 20AMP SP BREAKER.
- E. USE EXISTING HANDHOLE.
- F. USE EXISTING CONDUIT.
- G. INSTALL GROUND ROD IN EXISTING HANDHOLE.

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATION PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
3. 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.
4. ALL 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.
5. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS WITH PHOTOCELLS.

TOD No: XX415-03
SHA No: PG915A51/B51
MD 197 @ MD 450

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 197 AT MD 450 (OLD)
BOWIE, MARYLAND

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' DATE 1/30/05 CONTRACT NO. _____
DESIGNED BY _____ COUNTY PRINCE GEORGE'S
DRAWN BY _____ LOGMILE 16019703.08
CHECKED BY _____ TMS NO. K025
F.A.P. NO. _____ TOD NO. _____

APPROVALS	REVISIONS
TEAM LEADER	11/09 TMS NO. K025 SHA NO. XX4155185 INSTALL INTERSECTION LIGHTING
ASST. DIV. CHIEF	X.M. [Signature] C 4/07 SHA NO. AT9145185
DIVISION CHIEF	SIGNAL RECONSTRUCTION J.M.A. [Signature]
OFFICE DIRECTOR	B 1/05 MODIFY SIGNAL DUE TO THE CLOSING OF THE EAST LEG OF MD 450 RRZ [Signature]

BAI BRUDIS & ASSOCIATES, INC.
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Columbia, Maryland 21046
Phone 410-884-3807
www.brudis.com

GEOMETRIC LEGEND

----- EXISTING
===== PROPOSED

UTILITY LEGEND

SD - SD - STORM DRAIN
G - G - GAS MAIN
W - W - WATER MAIN
S - S - SEWER MAIN
E - E - ELECTRIC CABLES
A - A - AERIAL CABLES
T - T - TELEPHONE CABLES
F - F - FIBER-OPTIC

BY: xiaoyu