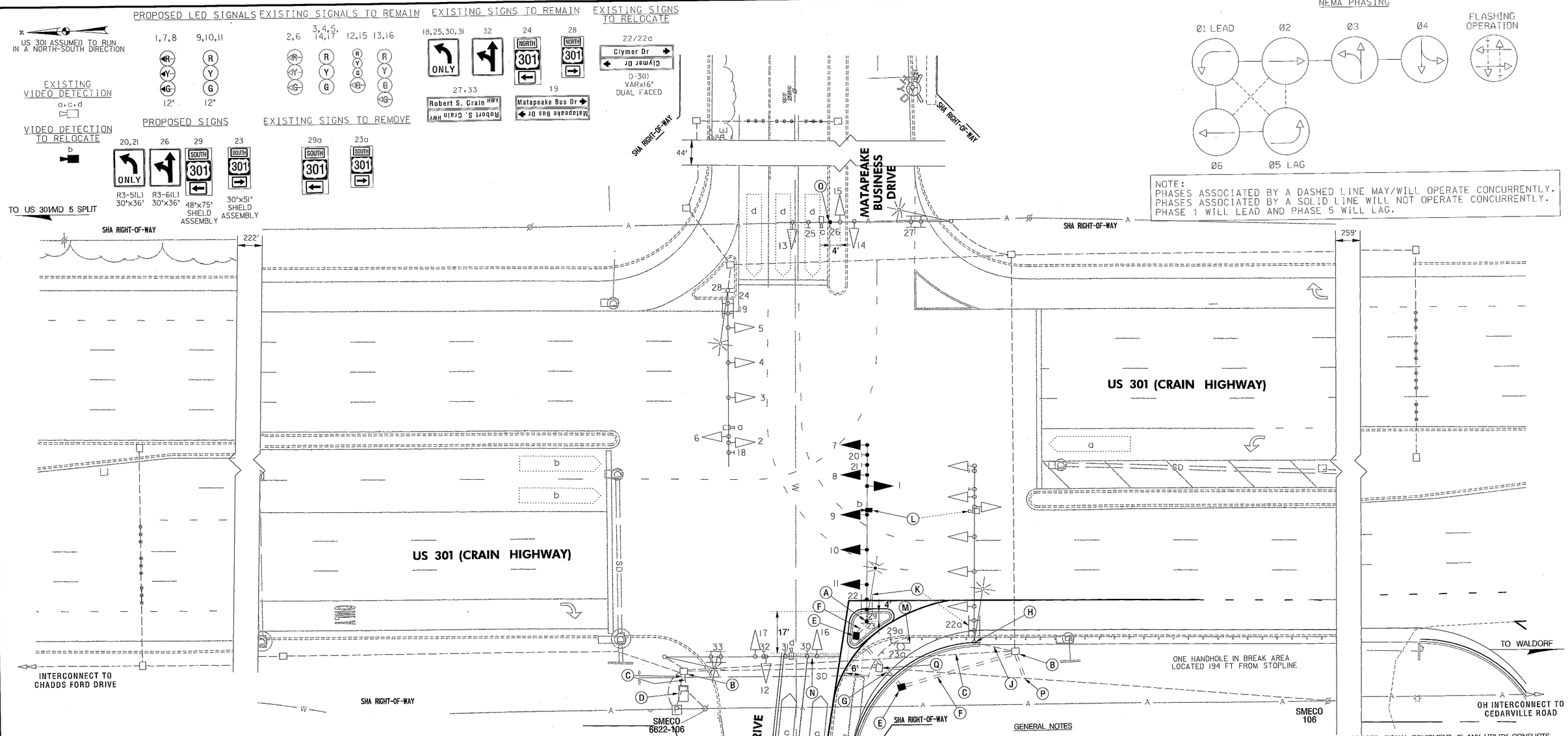
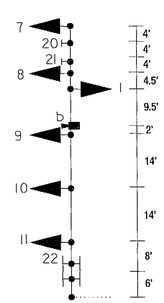


CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH A 70 FT. MAST ARM, FOUNDATION, TRAFFIC SIGNAL HEADS, RELOCATED VIDEO DETECTION CAMERA (INSTALL NEW CONTROL CABLE), SIGNS, AND 20 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3 IN. PVC 90 DEGREE BEND)
B. USE EXISTING ELECTRICAL HANDHOLE
C. USE EXISTING ELECTRICAL CONDUIT
D. USE EXISTING TRAFFIC SIGNAL CABINET
E. INSTALL ELECTRICAL HANDHOLE
F. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
G. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)
H. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT. NOTE: REMOVE FOUNDATION 12 INCHES BELOW GRADE.
J. ABANDON EXISTING CONDUIT (CAP AT THE NEAREST HANDHOLE)
K. RELOCATE EXISTING OVERHEAD SIGN
L. RELOCATE EXISTING VIDEO DETECTION CAMERA
M. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS
N. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE
O. INSTALL OVERHEAD SIGN ON EXISTING STRUCTURE
P. INTERCEPT EXISTING CONDUIT AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED). PULL-BACK AND RE-ROUTE EXISTING INTERCONNECT PER WIRING DIAGRAM.
Q. REMOVE EXISTING HANDHOLE. CAP CONDUIT TO BE ABANDONED.

DIMENSIONS



GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
3. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
4. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
5. ALL LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
7. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
8. SEE DETAIL THIS SHEET FOR SIGNAL HEAD, VIDEO DETECTION CAMERA, AND SIGN LAYOUT.
9. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.
10. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATION PRIOR TO INSTALLATION.
11. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED WIRING.
12. THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS OPERATIONAL UNTIL THE MODIFIED TRAFFIC SIGNAL IS OPERATIONAL.
13. THE CONTRACTOR SHALL CONTACT MR. ED RODENHIZER 72 HOURS IN ADVANCE OF SIGNAL CONSTRUCTION.
14. THE CONTRACTOR SHALL INSTALL CONDUIT WITHIN PROPOSED CHANNELIZATION ISLAND BEFORE CONCRETE SIDEWALK IS CONSTRUCTED.

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

NOTE:
THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE (1) YEAR. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME, THESE PLANS SHALL BE NULL AND VOID WITH A RE-REVIEW REQUIRED FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

EAPD PERMIT NO. _____

GEOMETRIC LEGEND

EXISTING
PROPOSED

LENHART TRAFFIC CONSULTING
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING
331 Redwood Grove Court Millersville, Maryland 21108
Tel: (410) 987-3888 Fax: (443) 782-2288

APPROVALS

ORIGINALS ON FILE

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

C	MODIFY TRAFFIC SIGNAL FOR NEW GEOMETRICS ON WEST LEG JANUARY 2009 BW996M82				
LTC MML	JS				
B	MODIFY TRAFFIC SIGNAL FOR NEW GEOMETRICS NOVEMBER 2007 BW996M82				
LTC MML					
A	REMOVE AND REPLACE 56' LT WITH EXCLUSIVE LT ADD THIRD SIGNAL HEAD FOR THRU MOVEMENT JAN 2004 BW996M82				
CJW	MAR	DAZ			BRK

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

US 301 (CRAIN HIGHWAY) AT CLYMER DRIVE/MATAPEAKE BUSINESS DRIVE

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE FEBRUARY 2001 CONTRACT NO. N/A

DESIGNED BY J. ALLEN
DRAWN BY J. ALLEN
CHECKED BY S. RENZI
F.A.P. NO. N/A
COUNTY PRINCE GEORGE'S
LOGMILE 16030100.77
T.I.M.S. NO. J334
TOD NO.

DRAWING NO. TS-4065-C OF
SHEET NO. OF