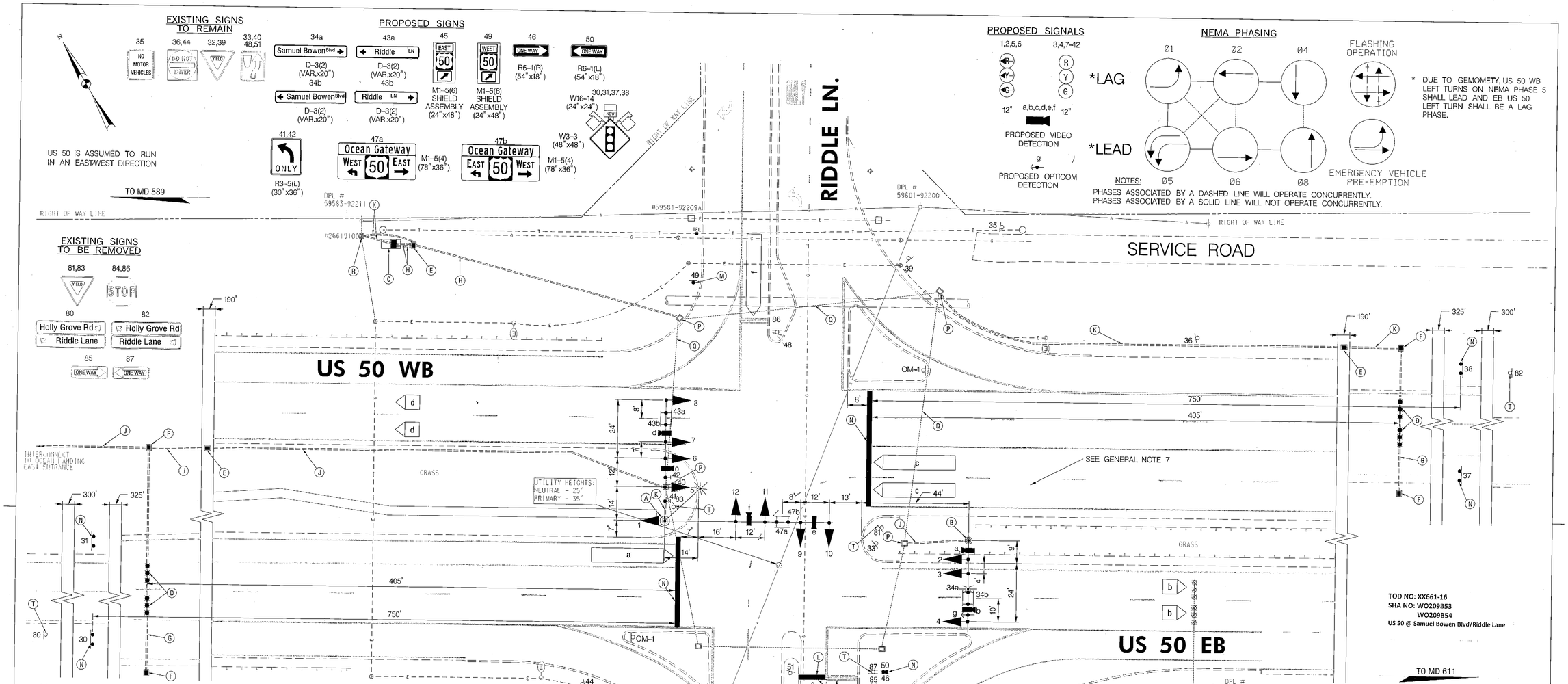

CONSTRUCTION DETAILS:

A. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH TWIN 50/70 FT. MAST ARMS WITH LED TRAFFIC SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 20 FT LIGHTING ARM WITH 250 WATT HPS LUMINAIRE AND PHOTOCELL. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
B. INSTALL CONCRETE FOUNDATION FOR A 27 FT. STEEL POLE WITH A SINGLE 38 FT MAST ARM WITH LED TRAFFIC SIGNAL HEADS, SIGN, VIDEO DETECTION CAMERAS, OPTICOM DETECTION CAMERA, 20 FT LIGHTING ARM WITH 250 WATT HPS LUMINAIRE AND PHOTOCELL. (NOTE: INSTALL 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).
C. INSTALL NEMA S BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: INSTALL 2-2 IN. AND 2-4 IN. PVC SCHEDULE 80 CONDUIT BENDS).
D. INSTALL NONINVASIVE DETECTOR AND LEAD-IN CABLE, CENTERED IN THRU LANE.
E. INSTALL HANDHOLE.
F. INSTALL HANDHOLE ORIENTED FOR NON-EVASIVE PROBES.
G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
K. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
L. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
M. INSTALL GROUND MOUNTED SIGN ON ONE 4"x6" POST.
N. INSTALL GROUND MOUNTED SIGN ON TWO 4"x6" POSTS.
P. USE EXISTING HANDHOLE AND INSTALL GROUND ROD.
Q. USE EXISTING CONDUIT.
R. USE EXISTING POWER PEDESTAL.
S. REMOVE EXISTING PAVEMENT MARKING.
T. REMOVE EXISTING SIGN AND SUPPORT.

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 SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
5. 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.
6. 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.
7. SEE SHEET NO. 2 OF 4 FOR PAVEMENT MARKING DETAILS (DOUBLE LEFT-TURN).
8. THE CONTRACTOR SHALL TAKE CARE NOT TO DISTURB THE EXISTING BURIED LIGHTING CONDUIT AND CABLE.

GEOMETRIC LEGEND

- EXISTING
- PROPOSED

UTILITY LEGEND

- STORM DRAIN
- GAS MAIN
- WATER MAIN
- SEWER MAIN
- ELECTRIC CABLES
- AERIAL CABLES
- TELEPHONE CABLES
- FIBER-OPTIC

BY: davidma -

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APPROVALS
TEAM LEADER 11/1/11
ASST. DIV. CHIEF
DIVISION CHIEF 11.17.11
OFFICE DIRECTOR 11/21/11

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 50 (OCEAN GATEWAY) AT
SAMUEL BOWEN BLVD/RIDDLE LN
BERLIN, MD

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 11/2011 CONTRACT NO. XX6615185

DESIGNED BY DM COUNTY WORCESTER
DRAWN BY DM LOGMILE 23005010.46
CHECKED BY RM TIMS NO. K921
F.A.P. NO. TOD NO.

TS NO. 4802 DRAWING - OF SHEET NO. 1 OF 4

PLOTTED: Wednesday, November 16, 2011 AT 01:17 PM
FILE: P:\09-002 TEDD\Task 77 US 50 @ Holly Grove Rd\Drawings\CADD\Working\pSG-P001_US50@HollyGroveRd.dgn