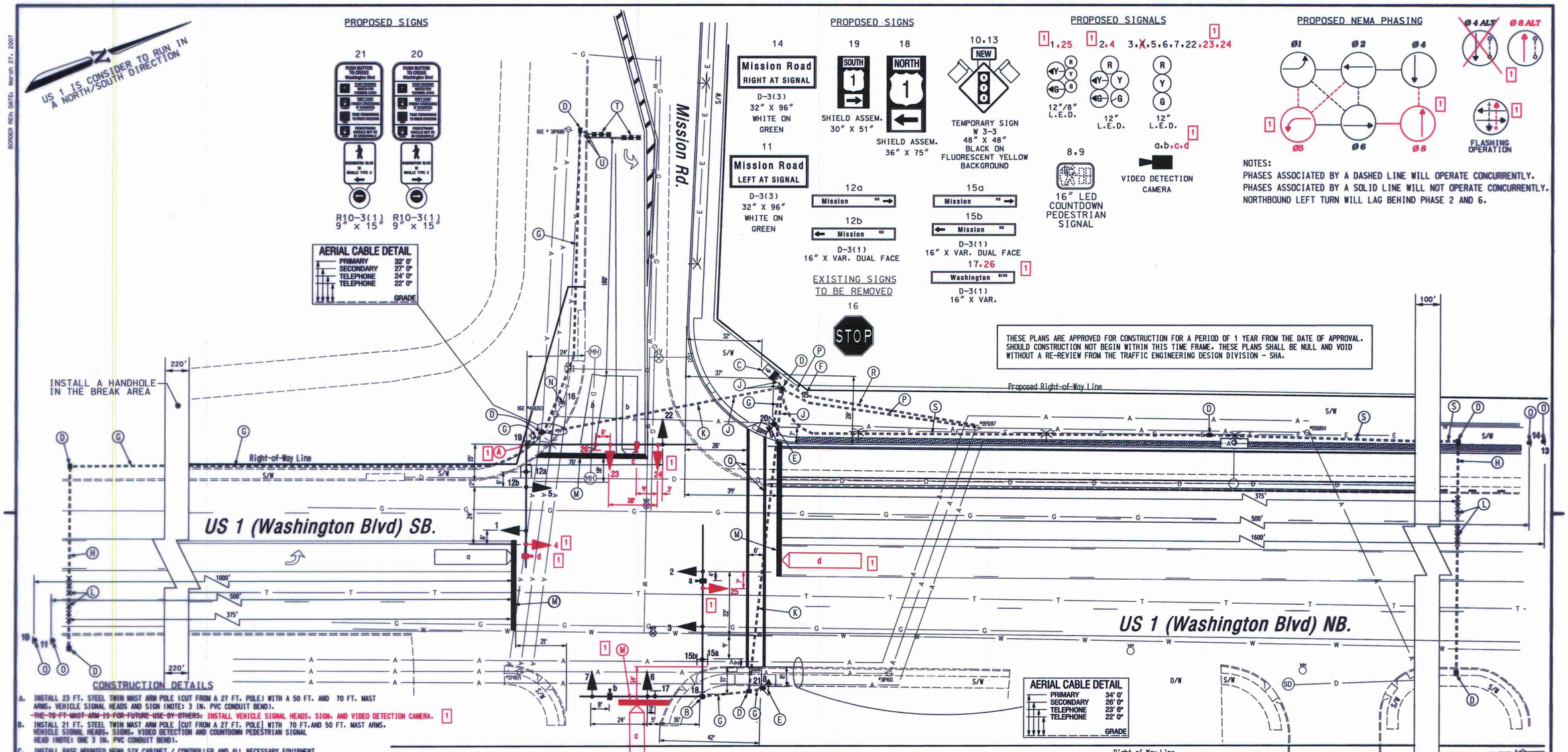

CONSTRUCTION DETAILS

A. INSTALL 23 FT. STEEL TWIN MAST ARM POLE (CUT FROM A 27 FT. POLE) WITH A 50 FT. AND 70 FT. MAST ARMS, VEHICLE SIGNAL HEADS AND SIGN (NOTE: 3 IN. PVC CONDUIT BEND).
~~THE 70 FT MAST ARM IS FOR FUTURE USE BY OTHERS.~~ INSTALL VEHICLE SIGNAL HEADS, SIGN, AND VIDEO DETECTION CAMERA. [1]
B. INSTALL 21 FT. STEEL TWIN MAST ARM POLE [CUT FROM A 27 FT. POLE] WITH 70 FT. AND 50 FT. MAST ARMS, VEHICLE SIGNAL HEADS, SIGNS, VIDEO DETECTION AND COUNTDOWN PEDESTRIAN SIGNAL HEAD (NOTE: ONE 3 IN. PVC CONDUIT BEND).
C. INSTALL BASE MOUNTED NEMA SIX CABINET / CONTROLLER AND ALL NECESSARY EQUIPMENT.
D. INSTALL HANDHOLE.
E. INSTALL 10 FT. STEEL PEDESTAL POLE ON BREAK-AWAY BASE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE PEDESTRIAN PUSHBUTTON, AND PEDESTRIAN INSTRUCTIONAL SIGN. (NOTE: ONE 3 IN. PVC CONDUIT BEND).
F. INSTALL METERED SERVICE PEDESTAL FOR UNDERGROUND ELECTRICAL SERVICE PER MD-SHA TYPICAL 807.05-01.
G. INSTALL 3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED.
H. INSTALL 3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - BORED.
J. INSTALL 4 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED.
K. INSTALL 4 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - BORED.
L. INSTALL NON-INVASIVE MICRO-LOOP PROBE (SET OF 3).
M. INSTALL 24 IN. WIDE PAVEMENT MARKING - WHITE FOR STOP LINE.
N. REMOVE EXISTING GROUND MOUNTED SIGN.
O. INSTALL GROUND MOUNTED SIGN.
P. INSTALL 2 IN. POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
Q. INSTALL 12 IN. WIDE PAVEMENT MARKING - WHITE FOR CROSSWALK.
R. PROPOSED 4 IN. ELECTRICAL CONDUIT FOR UNDERGROUND ELECTRICAL SERVICE - TRENCHED.
S. INSTALL 3 IN. POLYVINYL CHLORIDE [SCHEDULE 80] ELECTRICAL CONDUIT - TRENCHED DURNING CONSTRUCTION.
T. INSTALL MICRO-LOOP PROBE (SET OF 3).
U. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE).

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. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
4. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT 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. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.

GENERAL NOTES CONTINUED ON SHEET 2 OF 3

GEOMETRIC LEGEND
- EXISTING
- PROPOSED

UTILITY LEGEND
- D — D — 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

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[1] Redline Revision

APPROVALS	
TEAM LEADER	ORIGINAL ON FILE
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
[1]	(A) ADD 4TH LEG INDICATIONS AND SB LEFT TURN PHASE SHA No. BW996M82 January 14, 2010

PLOTTED: $DATETIME$
FILE: f:\2005\2005-1004\Des\NEW v7-pSG-P001_US1.dgn

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

US1 (Washington Blvd) at Mission Road

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' ADVERTISED DATE 05/27/08 CONTRACT NO. BW996M82

DESIGNED BY	B. Kilian	COUNTY	Howard
DRAWN BY	B. Kilian	LOGMILE	13000104.76
CHECKED BY		TIMS NO.	I-287/K284
F.A.P. NO.	N/A	TOD NO.	

TS NO. 4578	DRAWING - OF	SHEET NO. 1 OF 3