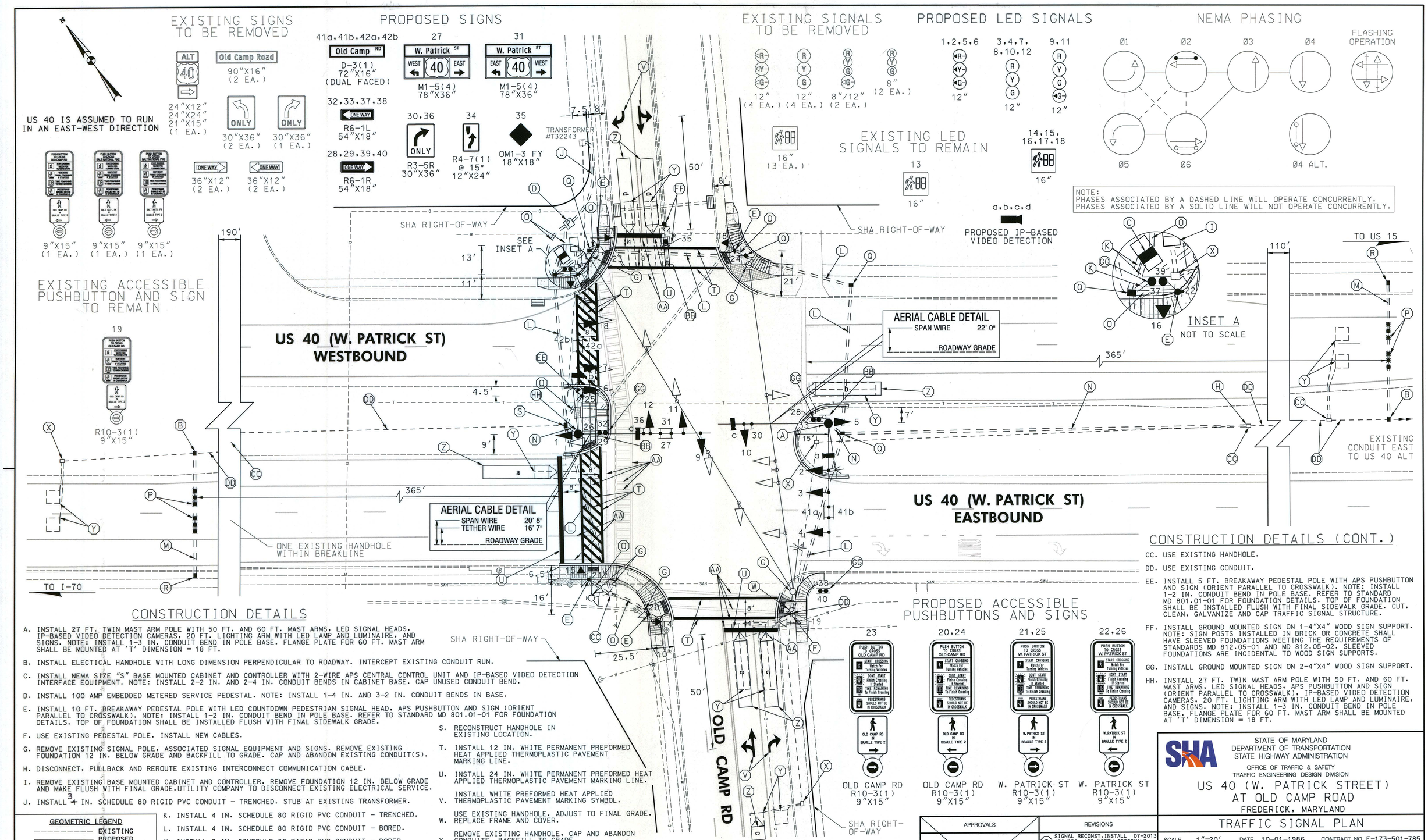

CONSTRUCTION DETAILS

A. INSTALL 27 FT. TWIN MAST ARM POLE WITH 50 FT. AND 60 FT. MAST ARMS, LED SIGNAL HEADS, IP-BASED VIDEO DETECTION CAMERAS, 20 FT. LIGHTING ARM WITH LED LAMP AND LUMINAIRE, AND SIGNS. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE. FLANGE PLATE FOR 60 FT. MAST ARM SHALL BE MOUNTED AT 'T' DIMENSION = 18 FT.

B. INSTALL ELECTICAL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO ROADWAY. INTERCEPT EXISTING CONDUIT RUN.

C. INSTALL NEMA SIZE "S" BASE MOUNTED CABINET AND CONTROLLER WITH 2-WIRE APS CENTRAL CONTROL UNIT AND IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT. NOTE: INSTALL 2-2 IN. AND 2-4 IN. CONDUIT BENDS IN CABINET BASE. CAP UNUSED CONDUIT BEND.

D. INSTALL 100 AMP EMBEDDED METERED SERVICE PEDESTAL. NOTE: INSTALL 1-4 IN. AND 3-2 IN. CONDUIT BENDS IN BASE.

E. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH FINAL SIDEWALK GRADE.

F. USE EXISTING PEDESTAL POLE. INSTALL NEW CABLES.

G. REMOVE EXISTING SIGNAL POLE, ASSOCIATED SIGNAL EQUIPMENT AND SIGNS. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND BACKFILL TO GRADE. CAP AND ABANDON EXISTING CONDUIT(S).

H. DISCONNECT, PULLBACK AND REROUTE EXISTING INTERCONNECT COMMUNICATION CABLE.

I. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. REMOVE FOUNDATION 12 IN. BELOW GRADE AND MAKE FLUSH WITH FINAL GRADE.UTILITY COMPANY TO DISCONNECT EXISTING ELECTRICAL SERVICE.

J. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED. STUB AT EXISTING TRANSFORMER.

K. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

L. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED.

M. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED FOR CARRIER PIPE.

N. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

O. INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

P. INSTALL NON-INVASIVE MICROLOOP PROBE WITH LEAD-IN CABLE.

Q. INSTALL ELECTRICAL HANDHOLE.

R. INSTALL ELECTRICAL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO ROADWAY.

S. RECONSTRUCT HANDHOLE IN EXISTING LOCATION.

T. INSTALL 12 IN. WHITE PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING LINE.

U. INSTALL 24 IN. WHITE PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING LINE.

V. INSTALL WHITE PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING SYMBOL.

W. USE EXISTING HANDHOLE. ADJUST TO FINAL GRADE. REPLACE FRAME AND COVER.

X. REMOVE EXISTING HANDHOLE, CAP AND ABANDON CONDUITS. BACKFILL TO GRADE.

Y. ABANDON EXISTING LOOP DETECTOR.

Z. PROPOSED VIDEO DETECTION ZONE.

AA. REMOVE EXISTING PAVEMENT MARKING.

BB. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS.

CONSTRUCTION DETAILS (CONT.)

CC. USE EXISTING HANDHOLE.

DD. USE EXISTING CONDUIT.

EE. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH FINAL SIDEWALK GRADE. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.

FF. INSTALL GROUND MOUNTED SIGN ON 1-4"X4" WOOD SIGN SUPPORT. NOTE: SIGN POSTS INSTALLED IN BRICK OR CONCRETE SHALL HAVE SLEEVED FOUNDATIONS MEETING THE REQUIREMENTS OF STANDARDS MD 812.05-01 AND MD 812.05-02. SLEEVED FOUNDATIONS ARE INCIDENTAL TO WOOD SIGN SUPPORTS.

GG. INSTALL GROUND MOUNTED SIGN ON 2-4"X4" WOOD SIGN SUPPORT.

HH. INSTALL 27 FT. TWIN MAST ARM POLE WITH 50 FT. AND 60 FT. MAST ARMS, LED SIGNAL HEADS, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK), IP-BASED VIDEO DETECTION CAMERAS, 20 FT. LIGHTING ARM WITH LED LAMP AND LUMINAIRE, AND SIGNS. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE. FLANGE PLATE FOR 60 FT. MAST ARM SHALL BE MOUNTED AT 'T' DIMENSION = 18 FT.

GEOMETRIC LEGEND
- EXISTING
- PROPOSED

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

1 REDLINE NO. 1 JULY 2013 INSERT SHEET

APPROVAL: 8/2013
TRAFFIC ENGINEERING DESIGN DIVISION

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

REVISIONS

C	SIGNAL RECONST.INSTALL APS/CPS. ADD NORTH CROSSWALK SHA NO. XX6505185.TIMS NO. L644					07-2013
WF W	BJG	WM	DJD	RDB	MLP	CJW
B	INSTALL APS/CPS. ADD SOUTH CROSSWALK SHA NO. BW9968Z. TIMS NO. L-162					11-10-2011
TTG	JJD		MLD	WH	TH	
A	MODIFY PHASING US 40 EXCL. LEFT AND SIDE STREET SPLIT					

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

US 40 (W. PATRICK STREET) AT OLD CAMP ROAD
FREDERICK, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 10-01-1986 CONTRACT NO. F-173-501-785

DESIGNED BY J.GREEZICKI
DRAWN BY R.SAGOS
CHECKED BY D.DODA
FAP NO.
COUNTY FREDERICK
LOGMILE 10004011.40
TIMS NO.
TOD NO.

TS NO. 2198C | DRAWING SP-1 OF 2 | SHEET NO. 1A OF 4

PLOTTED: Wednesday, July 24, 2013 AT 01:03 PM
FILE: \\balsrv03\v2008\2008\08148_tcddes\Task 118_US 40 Signals\CADD\L644 (OLD CAMP)\pSG-0001_US40@OldCamp_R1.dgn

BY: WFW