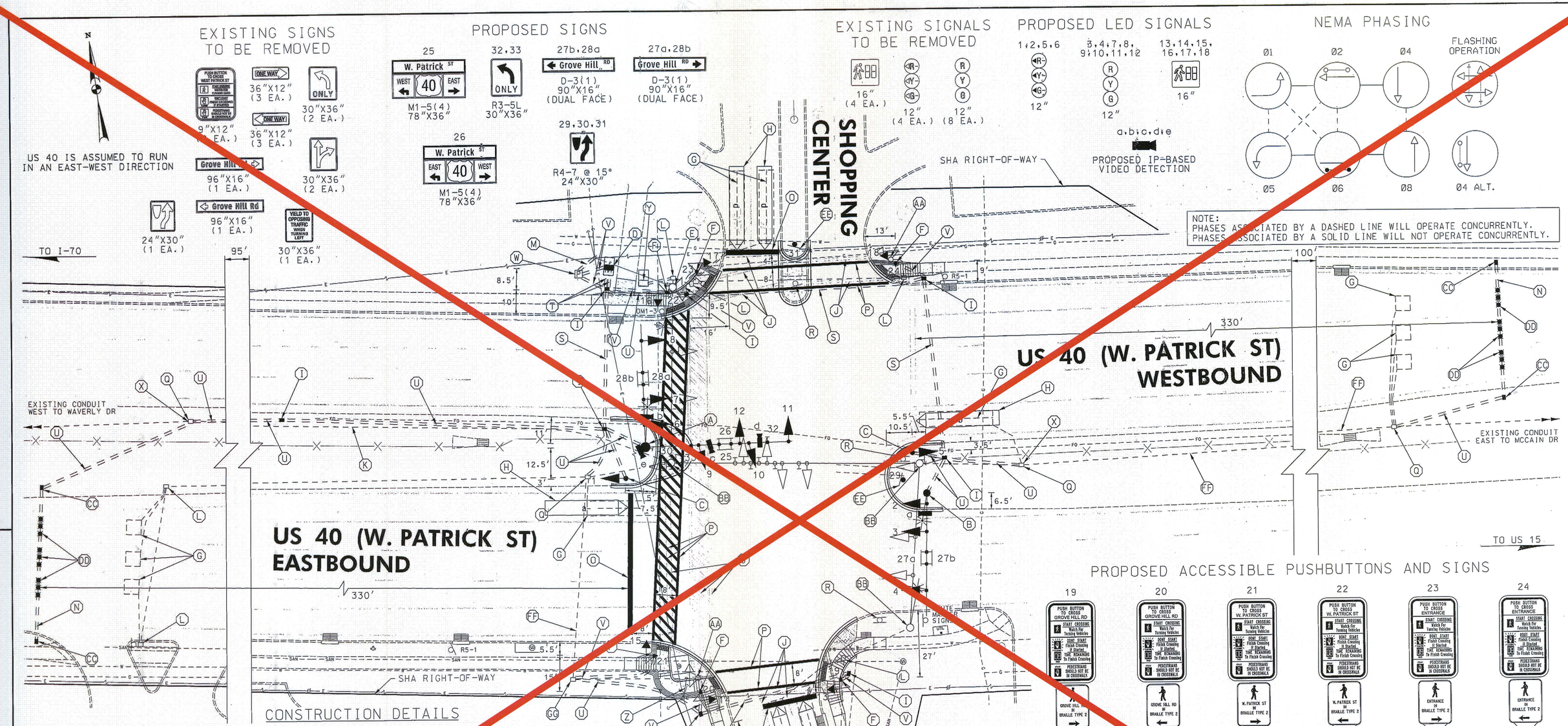

CONSTRUCTION DETAILS

A. INSTALL 27 FT. TWIN MAST ARM POLE WITH 60 FT. AND 50 FT. MAST ARMS, LED SIGNAL HEADS, 15 FT. LIGHTING ARM WITH LED LUMINAIRE, IP-BASED VIDEO DETECTION CAMERAS AND SIGNS. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.

B. INSTALL 27 FT. MAST ARM POLE WITH 50 FT. MAST ARM, LED SIGNAL HEADS, 10 FT. LIGHTING ARM WITH LED LUMINAIRE, IP-BASED VIDEO DETECTION CAMERA AND SIGNS. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.

C. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE WITH LED SIGNAL HEAD. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.

D. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT AND 2-WIRE APS CENTRAL CONTROL UNIT. NOTE: INSTALL 2-2 IN. AND 2-4 IN. CONDUIT BENDS IN BASE.

E. REMOVE EXISTING STRAIN POLE, ASSOCIATED SIGNAL EQUIPMENT AND SIGNS. EXISTING ELECTRICAL SERVICE EQUIPMENT TO BE REMOVED BY UTILITY CO. CAP AND ABANDON CONDUITS. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

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

G. ABANDON EXISTING LOOP DETECTOR.

H. PROPOSED VIDEO DETECTION ZONE.

I. INSTALL ELECTRICAL HANDHOLE.

J. REMOVE EXISTING PAVEMENT MARKING LINE.

K. CAP AND ABANDON EXISTING CONDUIT.

L. REMOVE EXISTING HANDHOLE. CAP AND ABANDON EXISTING CONDUIT(S). BACKFILL TO GRADE.

M. INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED. STUB AT UTILITY POLE FOR POWER FEED.

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

O. INSTALL 24 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

P. INSTALL 12 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.

Q. USE EXISTING HANDHOLE. REPLACE FRAME AND COVER.

R. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT(S).

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

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

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

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

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

X. DISCONNECT, PULLBACK AND REROUTE EXISTING INTERCONNECT CABLE.

Y. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. CAP AND ABANDON EXISTING CONDUITS. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

Z. EXISTING NORTHERN GUY WIRE ON UTILITY POLE NO. 85 SHALL BE RELOCATED AND REPLACED BY OTHERS.

AA. REMOVE EXISTING PEDESTAL POLE, ASSOCIATED SIGNAL EQUIPMENT AND SIGNS. CAP AND ABANDON CONDUIT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

BB. REMOVE EXISTING STRAIN POLE, ASSOCIATED SIGNAL EQUIPMENT AND SIGNS. CAP AND ABANDON CONDUIT. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

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

DD. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH LEAD-IN CABLE. CENTER IN TRAVEL LANE.

EE. INSTALL GROUND MOUNTED SIGN ON 1-4"X4" WOOD SIGN SUPPORT.

FF. USE EXISTING CONDUIT.

GG. USE EXISTING HANDHOLE.

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

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DIVISION CHIEF
OFFICE DIRECTOR
ORIGINAL ON FILE

REVISIONS

B	SIGNAL RECONSTRUCTION, INSTALL APS/CPS SHA NO. XX6505185, TIMS NO. L538	03-2013
A	INSTALL CPS SHA NO. AT3585185	11-12-2004

JWA	CJS	WRB	DAB	BRK	TH

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

US 40 (W. PATRICK STREET) AT GROVE HILL ROAD / FREDERICK TOWN MAL
FREDERICK, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE CONTRACT NO. FR3315171

DESIGNED BY
DRAWN BY S.BLOSS
CHECKED BY N.LEARY
FAP NO.
COUNTY FREDERICK
LOGMILE 004011.92
TIMS NO.
TOD NO.

TS NO. 3937B DRAWING SP-1 OF 2 SHEET NO. 1 OF

PLOTTED: Tuesday, March 19, 2013 AT 00:14 PM
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BY: WFW