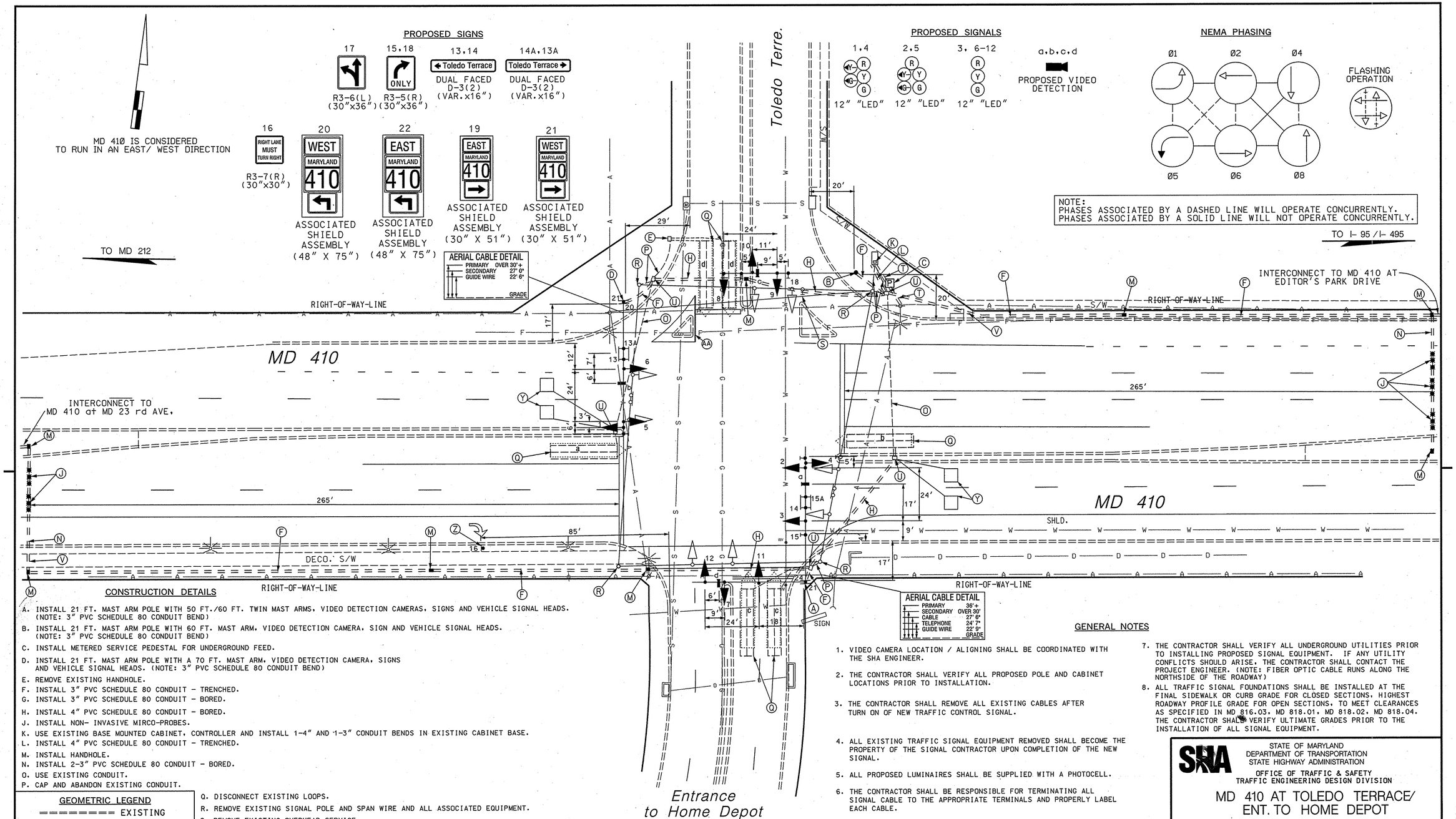

CONSTRUCTION DETAILS

A. INSTALL 21 FT. MAST ARM POLE WITH 50 FT./60 FT. TWIN MAST ARMS, VIDEO DETECTION CAMERAS, SIGNS AND VEHICLE SIGNAL HEADS. (NOTE: 3" PVC SCHEDULE 80 CONDUIT BEND)

B. INSTALL 21 FT. MAST ARM POLE WITH 60 FT. MAST ARM, VIDEO DETECTION CAMERA, SIGN AND VEHICLE SIGNAL HEADS. (NOTE: 3" PVC SCHEDULE 80 CONDUIT BEND)

C. INSTALL METERED SERVICE PEDESTAL FOR UNDERGROUND FEED.

D. INSTALL 21 FT. MAST ARM POLE WITH A 70 FT. MAST ARM, VIDEO DETECTION CAMERA, SIGNS AND VEHICLE SIGNAL HEADS. (NOTE: 3" PVC SCHEDULE 80 CONDUIT BEND)

E. REMOVE EXISTING HANDHOLE.

F. INSTALL 3" PVC SCHEDULE 80 CONDUIT - TRENCHED.

G. INSTALL 3" PVC SCHEDULE 80 CONDUIT - BORED.

H. INSTALL 4" PVC SCHEDULE 80 CONDUIT - BORED.

J. INSTALL NON- INVASIVE MIRCO-PROBES.

K. USE EXISTING BASE MOUNTED CABINET, CONTROLLER AND INSTALL 1-4" AND 1-3" CONDUIT BENDS IN EXISTING CABINET BASE.

L. INSTALL 4" PVC SCHEDULE 80 CONDUIT - TRENCHED.

M. INSTALL HANDHOLE.

N. INSTALL 2-3" PVC SCHEDULE 80 CONDUIT - BORED.

O. USE EXISTING CONDUIT.

P. CAP AND ABANDON EXISTING CONDUIT.

Q. DISCONNECT EXISTING LOOPS.

R. REMOVE EXISTING SIGNAL POLE AND SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.

S. REMOVE EXISTING OVERHEAD SERVICE.

T. INSTALL 3" PVC SCHEDULE 80 CONDUIT -TRENCHED FOR UNDERGROUND ELECTRIC SERVICE FEED BY PEPCO.

U. USE EXISTING HANDHOLE.

V. REMOVE EXISTING SIDEWALK SECTIONS AND REPLACE IN KIND AFTER THE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL EQUIPMENT.

Y. SEE INSTALLATION OF SAMPLING LOOPS ON INTERCONNECT PLAN.

Z. INSTALL SIGN R3-7(R) GROUND MOUNTED.

AA. INSTALL 12" HEAT APPLIED THERMO PLASTIC PAVEMENT MARKINGS- WHITE.

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. THE CONTRACTOR SHALL REMOVE ALL EXISTING CABLES AFTER TURN ON OF NEW TRAFFIC CONTROL SIGNAL.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. 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. (NOTE: FIBER OPTIC CABLE RUNS ALONG THE NORTHSIDE OF THE ROADWAY)
8. 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.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD — SD	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

BAI
BRUDIS & ASSOCIATES, INC.
CONSULTING ENGINEERS
9220 RUMSEY ROAD SUITE 110
COLUMBIA, MARYLAND 21045
410-884-3607 410-884-3609(FAX)

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

B 07/27/2006 MODIFY LOOPS DUE TO GEO. CHANGES
SHA No. BW998M82
MR | DD | BRK | TH | BRK
© RECONSTRUCT EXISTING TRAFFIC SIGNAL
CONTRACT # A172051B5
TIMS 0847 06/2005
MAM

PLOTTED: $DATETIME$
FILE: $FILE$

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

MD 410 AT TOLEDO TERRACE/ ENT. TO HOME DEPOT

SCALE 1"=20' DATE 09/09/1976 CONTRACT NO. Po 372-00-381

DESIGNED BY M.A. MEARS
DRAWN BY BOB TYSON
CHECKED BY DC
F.A.P. NO.
COUNTY PRINCE GEORGE'S
LOGMILE 16041002.35
T.I.M.S. NO.
TOD NO.

DRAWING NO. 178 OF
SHEET NO. 1 OF 2

BY: $USERNAME$

TOD No: AT720-01
SHA: PG641A51/B51