EXISTING SIGNS

27.30 R5-1 DO NOT ENTER 30"X30"
35 R6-1L ONE WAY 36"x12"
33 R6-1R ONE WAY 36"x12"
29.36 R7-4 NO STANDING ANY TIME 12"x18"
28.31, 34.37 R4-7 12"x18"
32 R1-2 YIELD 36"x36"x36"

PROPOSED SIGNS

18a 18b — 40 West Plaza / 40 West Plaza — D3-2 DUAL FACED Var. x 16"
20a 20b — Pike Park Plaza / Pike Park Plaza — D3-2 DUAL FACED Var. x 16"
22.25 — Balto. National PIKE — D3-2 Var. x 16"
17.19 — ONLY — R3-5L 30" x 36"

21 23: M3-2 24"X12" EAST; M3-4 24"X12" WEST; M1-1 24"X24" 40; M6-1L 21"X15"; M6-1R 21"X15"
26 24: M3-4 24"X12" WEST; M3-2 24"X12" EAST; M1-1 24"X24" 40; M6-1L 21"X15"; M6-1R 21"X15"
SHIELD ASSEMBLY 24"x 69"

PROPOSED SIGNALS

1,2,3, 6,7,8 — 4,5,9, 10,11,16 — 11,14 — 12,15

VIDEO DETECTOR CAMERA
DETECTOR ZONE
[S] METERED SERVICE PEDESTAL

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 FLASHING OPERATION

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

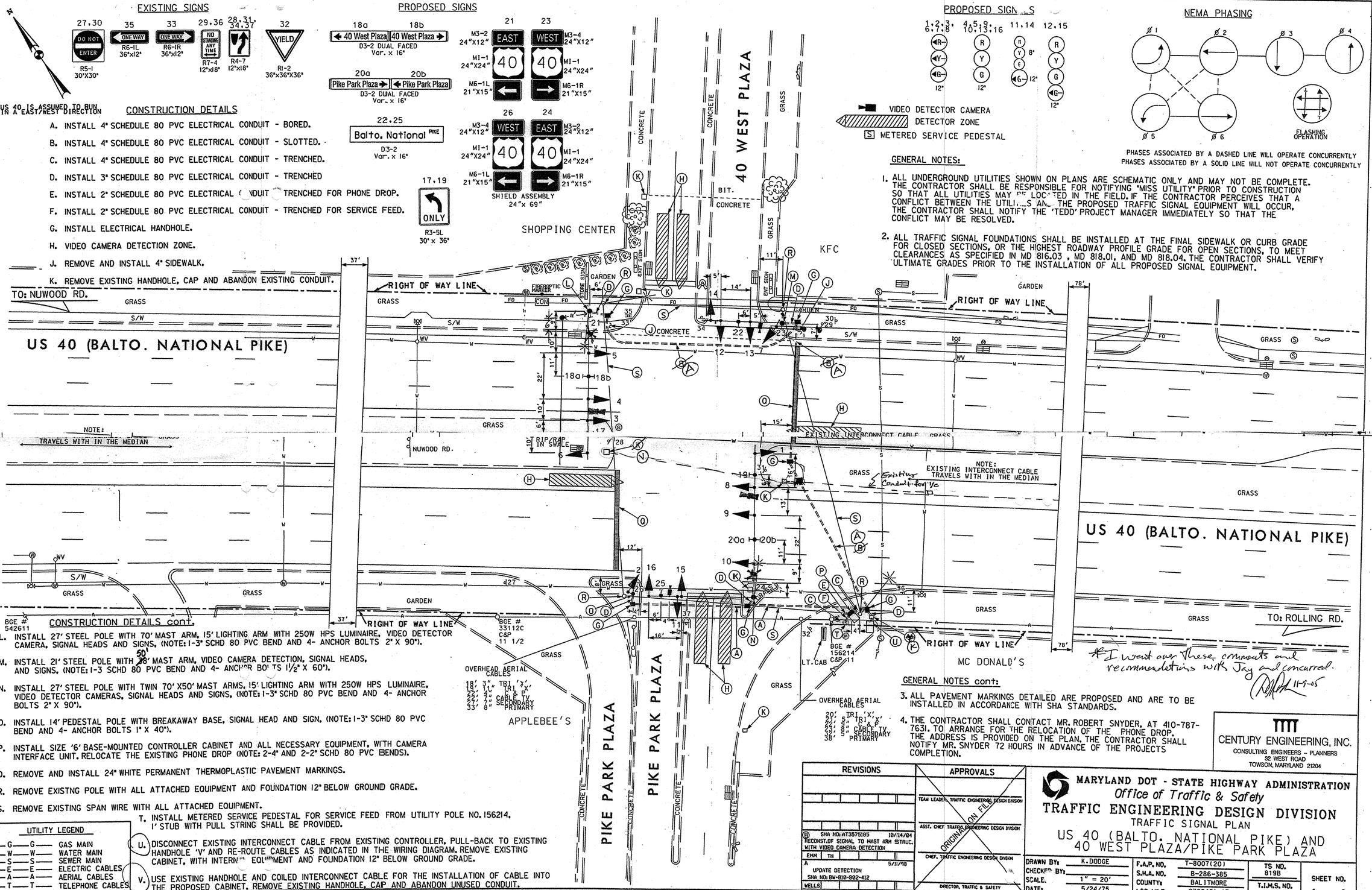
US 40 IS ASSUMED TO RUN IN A EAST/WEST DIRECTION

CONSTRUCTION DETAILS

A. INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT - BORED.
B. INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT - SLOTTED.
C. INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.
D. INSTALL 3" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED
E. INSTALL 2" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED FOR PHONE DROP.
F. INSTALL 2" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED FOR SERVICE FEED.
G. INSTALL ELECTRICAL HANDHOLE.
H. VIDEO CAMERA DETECTION ZONE.
J. REMOVE AND INSTALL 4" SIDEWALK.
K. REMOVE EXISTING HANDHOLE, CAP AND ABANDON EXISTING CONDUIT.

GENERAL NOTES:

1. ALL UNDERGROUND UTILITIES SHOWN ON PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" 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 PROPOSED TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE 'TEDD' PROJECT MANAGER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, OR THE HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED SIGNAL EQUIPMENT.



CONSTRUCTION DETAILS cont.

L. INSTALL 27' STEEL POLE WITH 70' MAST ARM, 15' LIGHTING ARM WITH 250W HPS LUMINAIRE, VIDEO DETECTOR CAMERA, SIGNAL HEADS AND SIGNS. (NOTE: 1-3" SCHD 80 PVC BEND and 4- ANCHOR BOLTS 2" X 90").
M. INSTALL 21' STEEL POLE WITH 50' MAST ARM, VIDEO CAMERA DETECTION, SIGNAL HEADS, AND SIGNS. (NOTE: 1-3 SCHD 80 PVC BEND and 4- ANCHOR BOLTS 1½" X 60").
N. INSTALL 27' STEEL POLE WITH TWIN 70' X50' MAST ARMS, 15' LIGHTING ARM WITH 250W HPS LUMINAIRE, VIDEO DETECTOR CAMERAS, SIGNAL HEADS AND SIGNS. (NOTE: 1-3" SCHD 80 PVC BEND and 4- ANCHOR BOLTS 2" X 90").
O. INSTALL 14' PEDESTAL POLE WITH BREAKAWAY BASE, SIGNAL HEAD AND SIGN. (NOTE: 1-3" SCHD 80 PVC BEND and 4- ANCHOR BOLTS 1" X 40").
P. INSTALL SIZE '6' BASE-MOUNTED CONTROLLER CABINET AND ALL NECESSARY EQUIPMENT, WITH CAMERA INTERFACE UNIT. RELOCATE THE EXISTING PHONE DROP (NOTE: 2-4" AND 2-2" SCHD 80 PVC BENDS).
Q. REMOVE AND INSTALL 24" WHITE PERMANENT THERMOPLASTIC PAVEMENT MARKINGS.
R. REMOVE EXISTNG POLE WITH ALL ATTACHED EQUIPMENT AND FOUNDATION 12" BELOW GROUND GRADE.
S. REMOVE EXISTING SPAN WIRE WITH ALL ATTACHED EQUIPMENT.
T. INSTALL METERED SERVICE PEDESTAL FOR SERVICE FEED FROM UTILITY POLE NO. 156214, 1' STUB WITH PULL STRING SHALL BE PROVIDED.
U. DISCONNECT EXISTING INTERCONNECT CABLE FROM EXISTING CONTROLLER, PULL-BACK TO EXISTING HANDHOLE 'V' AND RE-ROUTE CABLES AS INDICATED IN THE WIRING DIAGRAM. REMOVE EXISTING CABINET, WITH INTERNAL EQUIPMENT AND FOUNDATION 12" BELOW GROUND GRADE.
V. USE EXISTING HANDHOLE AND COILED INTERCONNECT CABLE FOR THE INSTALLATION OF CABLE INTO THE PROPOSED CABINET. REMOVE EXISTING HANDHOLE, CAP AND ABANDON UNUSED CONDUIT.

GENERAL NOTES cont:

3. ALL PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.
4. THE CONTRACTOR SHALL CONTACT MR. ROBERT SNYDER, AT 410-787-7631. TO ARRANGE FOR THE RELOCATION OF THE PHONE DROP. THE ADDRESS IS PROVIDED ON THE PLAN. THE CONTRACTOR SHALL NOTIFY MR. SNYDER 72 HOURS IN ADVANCE OF THE PROJECTS COMPLETION.

*I went over these comments and recommendations with Jay and concurred. 11-9-05

UTILITY LEGEND

G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
A — A	AERIAL CABLES
T — T	TELEPHONE CABLES

REVISIONS

(B)	SHA NO: AT3575185 RECONST. OF SIGNAL TO MAST ARM STRUC. WITH VIDEO CANERA DETECTION	10/14/04
EHM	TH	
A	UPDATE DETECTION SHA NO: BW-810-802-412	5/11/98
WELLS		

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION — ORIGINAL ON FILE
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21204

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
US 40 (BALTO. NATIONAL PIKE) AND 40 WEST PLAZA/PIKE PARK PLAZA

DRAWN BY:	K.DODGE	F.A.P. NO.	T-8007(20)	TS NO. 819B	SHEET NO. 1 OF 2
CHECKED BY:		S.H.A. NO.	B-286-385		
SCALE:	1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. G197	
DATE:	5/24/75	LOG MILE:	0300401.13		

O:\TRANSDWG\22171\TASK 53\US40.dgn 10/14/2004