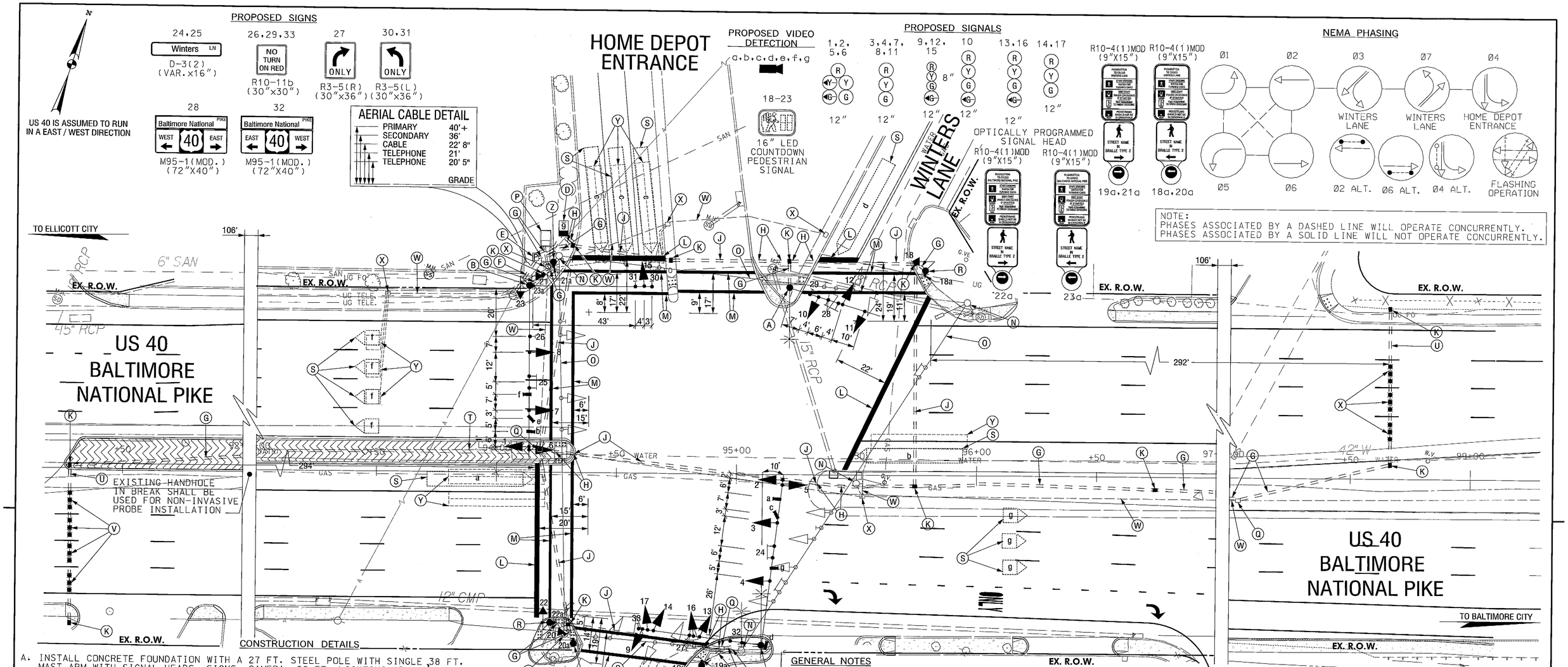

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 38 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, CAMERA, 20 FT. LIGHTING ARM AND 250 WATT HPS LUMINAIRE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 95+22, 77' LT.

B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE (CUT DOWN TO 21 FT.)WITH TWIN 70 FT. AND 50 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, COUNTDOWN PEDESTRIAN SIGNAL HEAD SECTION, OVERHEAD VIDEO DETECTION CAMERAS, R10-4(1) SIGN, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGN WITH INTERNATIONAL BRAILLE ON THE FACE PLATE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 94+13, 77' LT.

C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 70 FT. AND 50 FT. MAST ARMS WITH SIGNAL HEADS, SIGNS, 20 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE AND OVERHEAD VIDEO DETECTION CAMERAS. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 95+11, 71' RT.

D. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH VIDEO INTERFACE EQUIPMENT. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA 94+27, 102' LT.

E. INSTALL 200 AMP METER SERVICE PEDESTAL.

F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED. STUB OUT COUNDUIT BEND AT BASE OF UTILITY POLE.

G. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

H. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

K. INSTALL HANDHOLE.

L. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

M. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.

N. REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL

O. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.

P. REMOVE EXISTING CONTROLLER CABINET.

Q. USE EXISTING HANDHOLE

R. INSTALL CONCRETE FOUNDATION WITH 10 FT. PEDESTAL POLE WITH BREAKAWAY BASE WITH COUNTDOWN PEDESTRAIN SIGNAL HEAD SECTIONS, R10-4(1) SIGN AND AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGN WITH INTERNATIONAL BRAILLE ON FACE PLATE. (NOTES ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 95+78, 85' LT.,
2 STA. 94+23, 62' RT. AND STA. 94+86, 80' RT.

S. VIDEO DETECTION ZONE.

T. USE EXISTING CONDUIT.

U. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED

V. INSTALL NON- INVASIVE PROBES WITH 500 FT. LEAD-IN. (TO BE PLACED IN THE THRU LANES)

W. CAP AND ABANDON EXISTING CONDUIT.

X. REMOVE EXISTING HAND HOLE AND BACKFILL 12 IN. BELOW GRADE.

Y. REMOVE ALL CABLES FROM EXISTING HAND HOLES AND CONDUITS AND ABANDON EXISTING LOOPS.

Z. INSTALL CONCRETE FOUNDATION WITH 10 FOOT STEEL PEDESTAL POLE (CUT DOWN TO 4 FT.) WITH BREAKAWAY BASE AND R10-4(1) SIGN, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION WITH BLACK FACE PLATE OPTION "A" SIGN WITH INTERNATIONAL BRAILLE ON FACE PLATE. (NOTE:ONE 3 IN. SCHEDULE 80 CONDUIT BEND). STA. 94+23, 87' LT. AND STA. 94+31, 74' RT.

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. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
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.
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.
9. THE CONTRACTOR SHALL CONTACT BG&E ELECTRIC TO SCHEDULE A FIELD DISCONNECT OF EXISTING ELECTRICAL SERVICE EQUIPMENT PRIOR TO REMOVAL.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD	STORM DRAIN
GAS	GAS MAIN
WATER	WATER MAIN
SAN	SEWER MAIN
UG ELEC	ELECTRIC CABLES
A	AERIAL CABLES
UG TEL	TELEPHONE CABLES
UG FO	FIBER-OPTIC

ADDENDUM NO. 2 9/13/2006

SABRA, WANG & ASSOCIATES, INC.
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APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DIVISION
CHIEF TRAFFIC ENGINEERING DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY
ORIGINAL ON FILE

REVISIONS
E 06/ 2006 SIGNAL RECONSTRUCTION DUE TO GEOMETRIC CHANGES SHA NO. BA7715187
SWA
D 08-1997 ADDED PEDESTRIAN SIGNALS TO WESTSIDE OF US 40
WSL DD DAZ DZ GRS
C MAY 1, 1992 REBUILD DUE TO GEOMETRIC CHANGES SHA NO. BW-497-802-412
DD TGM ETP TH

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

US 40 AND WINTERS LANE / ENTRANCE TO HOME DEPOT

CATONSVILLE, MARYLAND

SIGNAL PLAN

SCALE 1" = 20' DATE MARCH 22, 1973 CONTRACT NO. B-286-485

DESIGNED BY W.RICHARDSON
DRAWN BY J.GORDON
CHECKED BY
FAP NO. T-8007(20)

COUNTY BALTIMORE
LOGMILE 03004002.16
TIMS NO. F471
TOD NO.

TS NO. 883E DRAWING 1 OF 3 SHEET NO. 24 OF 31

PLOTTED: Friday, September 08, 2006 AT 11:35 AM
FILE: R:\2003\05 BCS 2003-04A\Task 1\DWG\Signal\pSG-P001_F471.dgn

BY: GFEARSON