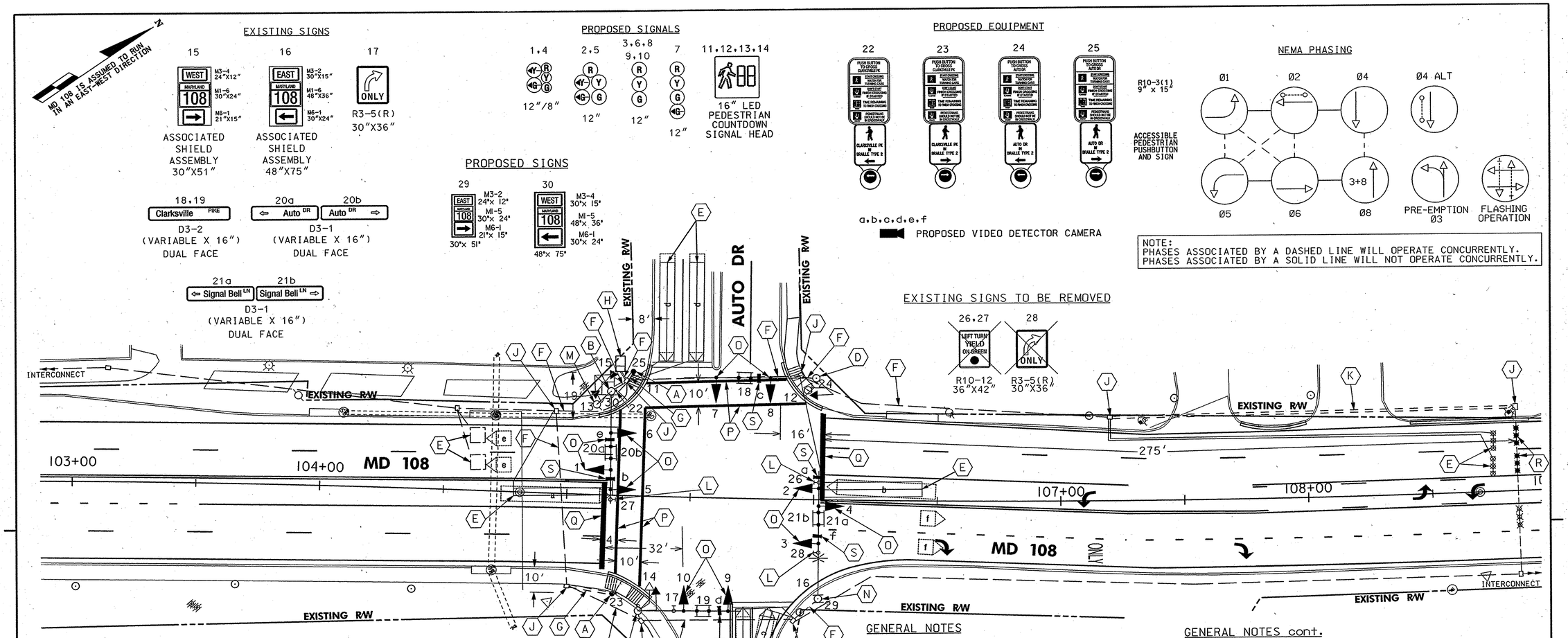

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH 10 FT. BREAKAWAY PEDESTAL POLE WITH APS STATION AND PEDESTRIAN EDUCATION SIGN. THE POLE SHALL BE CUT ABOVE THE PEDESTRIAN EDUCATION SIGN. (NOTE: 1-3 IN. PVC SCHEDULE 80 CONDUIT BEND).

B. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS, PUSHBUTTON, AND SIGN FROM EXISTING SIGNAL POLE. INSTALL LED COUNTDOWN PEDESTRIAN SIGNALS, APS STATION, AND PEDESTRIAN EDUCATION SIGN ON EXISTING SIGNAL POLE. INSTALL SHIELD ASSEMBLY (SIGN 30).

C. REMOVE EXISTING PUSHBUTTON, SIGN, AND PEDESTRIAN SIGNAL HEAD FROM EXISTING PEDESTAL POLE. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL.

D. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD FROM EXISTING SIGNAL POLE. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL, APS STATION, AND PEDESTRIAN EDUCATION SIGN.

E. DISCONNECT AND ABANDON EXISTING LOOP DETECTORS/PROBES.

F. USE EXISTING CONDUIT.

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

H. USE EXISTING CONTROLLER CABINET.

J. USE EXISTING HANDHOLE.

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

CONSTRUCTION DETAILS (cont.)

L. REMOVE EXISTING SIGN FROM EXISTING MAST ARM.

M. EXISTING OVERHEAD ELECTRICAL SERVICE TO BE MAINTIANED BY BG & E

N. INSTALL SHIELD ASSEMBLY (SIGN 29) ON EXISTING SIGNAL POLE.

O. REPLACE EXISTING SIGNAL HEAD WITH PROPOSED LED SIGNAL HEAD IN SAME LOCATION ON EXISTING MAST ARM.

P. INSTALL 12" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.

Q. INSTALL 24" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.

R. INSTALL NON-INVASIVE MICRO-LOOP PROBE.

S. INSTALL VIDEO DETECTOR CAMERA ON EXISTING MAST ARM.

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS OTHER THAN THOSE DETAILED ON THIS SHEET REFER TO THE PAVEMENT MARKING PLANS (COMPLETED BY OTHERS).
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE. CONTRACTOR SHALL REMOVE ALL UNUSED CABLES.
6. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTION, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED EQUIPMENT.
7. ADA CURB RAMPS AND WARNING SURFACE ARE TO BE INSTALLED BY THE ROADWAY CONTRACTOR.
8. 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.

GENERAL NOTES cont.

9. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SIGNAL OPERATION DURING THE COMPLETE CONSTRUCTION PERIOD.
10. CONTRACTOR IS RESPONSIBLE FOR THE PURCHASE AND DELIVERY OF THE CENTRAL CONTROL UNIT FOR THE CONTROLLER TO THE SHA SIGNAL SHOP AT 7491 CONNELLEY DRIVE, HANOVER, MD 21076. MR EDWARD RODENHIZER AT (410) 787-7652 SHALL BE CONTACTED SEVENTY-TWO (72) HOURS PRIOR TO DELIVERY.
11. PUSHBUTTONS ARE TO BE LOCATED ADJACENT TO A LEVEL (<1:48) LANDING (32"X54") ALONG THE PEDESTRIAN ACCESS ROUTE LEADING TO THE CROSSWALK.
12. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, 'ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE'. IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFFICE OF TRAFFIC AND SAFETY.
13. CONTRACTOR MUST DELIVER APS UNIT TO SHA SIGNAL SHOP TO BE TESTED AND PROGRAMMED.

⚠ ADDENDUM No. 1

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

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

B	UPGRADE TO LED SIGNAL HEADS, APS, AND COUNTDOWN PED SIGNALS.INSTALL VIDEO DETECTION AND NON-INVASIVE MICROLOOP PROBES. SHA NO.: H0358017				3/19/07
S/W	A.M. SPY	W.E.			P.E. C.H.
A	11-22-06 MODIFY SIGNAL DUE TO NEW GEO'S ON THE SOUTHSIDE OF MD 108 SHA NO.:				
RRZ	MAR	OUB		BRK	TH 12/4

PLOTTED: Tuesday, March 27, 2007 at 3:03:12 PM
FILE: pSG-P002_md108.dgn

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

MD 108 AND

AUTO DRIVE /SIGNAL BELL LANE

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 5-11-94 CONTRACT NO.

DESIGNED BY R.R. ZACHERL (FOR STS)
DRAWN BY S.R. BARANOWSI (FOR STS)
CHECKED BY
F.A.P. NO.

COUNTY HOWARD
LOGMILE 13010803.85
T.I.M.S. NO. 1021
TOD NO.

DRAWING NO. TS--3409B

SHEET NO. 24 OF 27

CENTURY ENGINEERING
CONSULTING ENGINEERS - PLANNERS
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HUNT VALLEY, MD 21031

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BY: syoung2