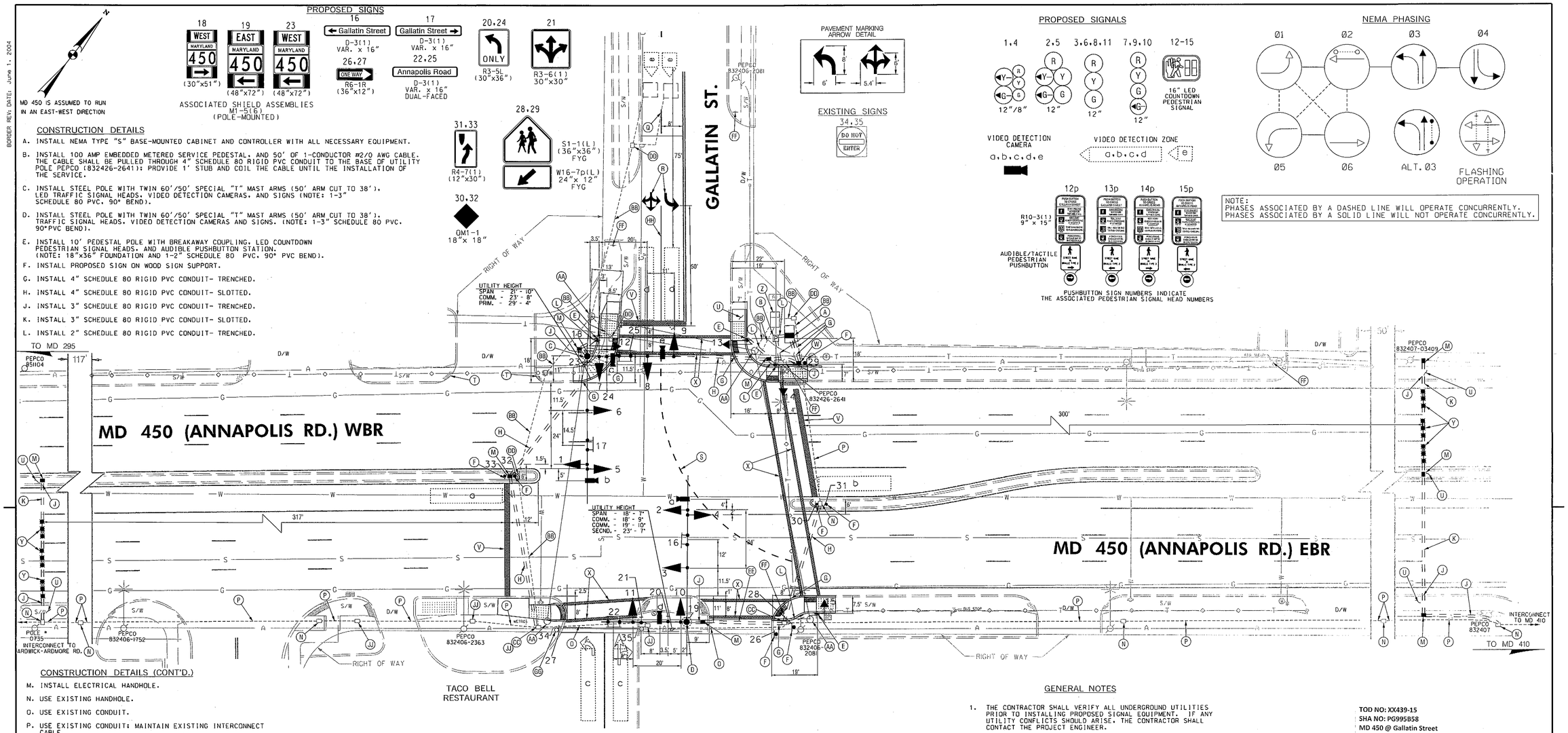

CONSTRUCTION DETAILS

A. INSTALL NEMA TYPE "S" BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT.

B. INSTALL 100 AMP EMBEDDED METERED SERVICE PEDESTAL, AND 50' OF 1-CONDUCTOR #2/0 AWG CABLE. THE CABLE SHALL BE PULLED THROUGH 4" SCHEDULE 80 RIGID PVC CONDUIT TO THE BASE OF UTILITY POLE PEPCO (832426-2641); PROVIDE 1' STUB AND COIL THE CABLE UNTIL THE INSTALLATION OF THE SERVICE.

C. INSTALL STEEL POLE WITH TWIN 60'/50' SPECIAL "T" MAST ARMS (50' ARM CUT TO 38'). LED TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERAS, AND SIGNS (NOTE: 1-3" SCHEDULE 80 PVC, 90° BEND).

D. INSTALL STEEL POLE WITH TWIN 60'/50' SPECIAL "T" MAST ARMS (50' ARM CUT TO 38'). TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERAS AND SIGNS. (NOTE: 1-3" SCHEDULE 80 PVC, 90°PVC BEND).

E. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY COUPLING, LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, AND AUDIBLE PUSHBUTTON STATION. (NOTE: 18"x36" FOUNDATION AND 1-2" SCHEDULE 80 PVC, 90° PVC BEND).

F. INSTALL PROPOSED SIGN ON WOOD SIGN SUPPORT.

G. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.

H. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED.

J. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.

K. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED.

L. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.

CONSTRUCTION DETAILS (CONT'D.)

M. INSTALL ELECTRICAL HANDHOLE.

N. USE EXISTING HANDHOLE.

O. USE EXISTING CONDUIT.

P. USE EXISTING CONDUIT; MAINTAIN EXISTING INTERCONNECT CABLE.

Q. INSTALL 5" HEAT APPLIED WHITE PERMANENT PAVEMENT MARKING LINE (10'LINE-30'SPACE).

R. INSTALL HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS (SEE PAVEMENT MARKING ARROW DETAIL).

S. INSTALL 5" HEAT APPLIED WHITE PERMANENT PAVEMENT MARKING LINE (3'LINE-3'SPACE).

T. REMOVE THE DETECTABLE WARNING SURFACE FROM THE CONCRETE (CONCRETE MAY REMAIN ROUGH).

U. REMOVE AND REPLACE EXISTING SIDEWALK/MEDIAN WITH 5" SIDEWALK.

V. REMOVE EXISTING PAVEMENT MARKINGS (NOT SHOWN) AND INSTALL 24" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE. CONDUIT INSTALLATION MUST BE COMPLETED PRIOR TO THE INSTALLATION OF THE STOP LINE MARKINGS.

CONSTRUCTION DETAILS (CONT'D.)

W. INSTALL PROPOSED ELECTRICAL HANDHOLE INTO EXISTING CONDUIT RUN.

X. REMOVE EXISTING PAVEMENT MARKINGS (NOT SHOWN) AND INSTALL 12" HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR CROSSWALK. CONDUIT INSTALLATION MUST BE COMPLETED PRIOR TO THE INSTALLATION OF THE CROSSWALK MARKINGS (SEE DRAWING (SG-03).

Y. INSTALL PROPOSED NON-INVASIVE MICRO LOOP PROBES INSIDE 3" CONDUIT.

Z. DISCONNECT EXISTING INTERCONNECT CABLE AND REROUTE TO PROPOSED CABINET. REMOVE EXISTING CONTROLLER CABINET AND EQUIPMENT WITH THE FOUNDATION REMOVED 12" BELOW GROUND GRADE.

AA. REMOVE EXISTING SIGNAL STRUCTURE AND ATTACHED EQUIPMENT. REMOVE FOUNDATION 12" BELOW GROUND GRADE.

BB. CAP AND ABANDON EXISTING CONDUIT; REMOVE UNUSED CABLES IN ADJOINING ABANDONED HANDHOLE (WHERE APPLICABLE).

CC. USE EXISTING HANDHOLE. DISCONNECT EXISTING INTERCONNECT CABLE FROM EXISTING CABINET AND PULL BACK TO THIS EXISTING HANDHOLE. REROUTE EXISTING INTERCONNECT CABLE TO THE PROPOSED CABINET AS SHOWN ON THE WIRING DIAGRAM (SG-02).

DD. REMOVE EXISTING HANDHOLE; CAP AND ABANDON CONDUIT.

EE. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - BORED.

FF. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.

GG. INSTALL PROPOSED R6-1R SIGN AT TOP OF EXISTING SIGN POST.

HH. INSTALL 5" HEAT APPLIED WHITE PERMANENT PAVEMENT MARKING LINE.

JJ. ADJUST EXISTING HANDHOLE TO GRADE WITH NEW FRAME AND COVER.

GENERAL NOTES

1. 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.
2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, AND THE HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD STD. 816.03, MD STD. 818.01, MD 818.02, AND MD STD. 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED SIGNAL EQUIPMENT.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
6. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING UNUSED CABLES FROM EXISTING HANDHOLES AND CONDUITS UTILIZED FOR REVISION 'B'.
7. THE CONTACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND FOR PROPERLY LABELING EACH CABLE.
8. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.

TOD NO: XX439-15
SHA NO: PG995858
MD 450 @ Gallatin Street

RIGHT OF WAY PLAT NO. 32656

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE
ELECTRIC
TELEPHONE
GAS
SEWER
WATER
CABLE TV

CENTURY ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031
REVISION 'B'
CEI # 101195.75

APPROVALS
ORIGINALS ON FILE
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
(B) TRAFFIC SIGNAL RECONSTRUCTION SHA # XX439185 TIMS# K-040 5/16/2012
(A) REPLACE EXISTING LOOP DETECTOR SHA NO. 855-2503 7/1981
ENB&NUR
RC

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

MD 450 (ANNAPOLIS ROAD) AND GALLATIN STREET
HYATTSVILLE, MARYLAND

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' ADVERTISED DATE 7-9-1973 CONTRACT NO. P-420-000-385

DESIGNED BY LT.WR
DRAWN BY
CHECKED BY
F.A.P. NO. U-931-1(2)
COUNTY PRINCE GEORGE'S
LOGMILE 016045003.34
TIMS NO.
TOD NO.

TS NO. 11B | DRAWING SG - 01 OF 2 | SHEET NO. 1 OF 2

PLOTTED: Wednesday, May 16, 2012 AT 12:46 PM
FILE: S:\2100\Transportation\101195.75 MD 450 at Gallatin Street\CADD\ACAD SheetSets\PSG-P001_MD450.dgn