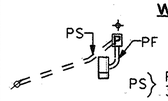
US 301 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

WIRING DIAGRAM



KEY

PS } POWER SERVICE UNDERGROUND 3 WIRE 1 CONDUCTOR (NO. 4 AWG)

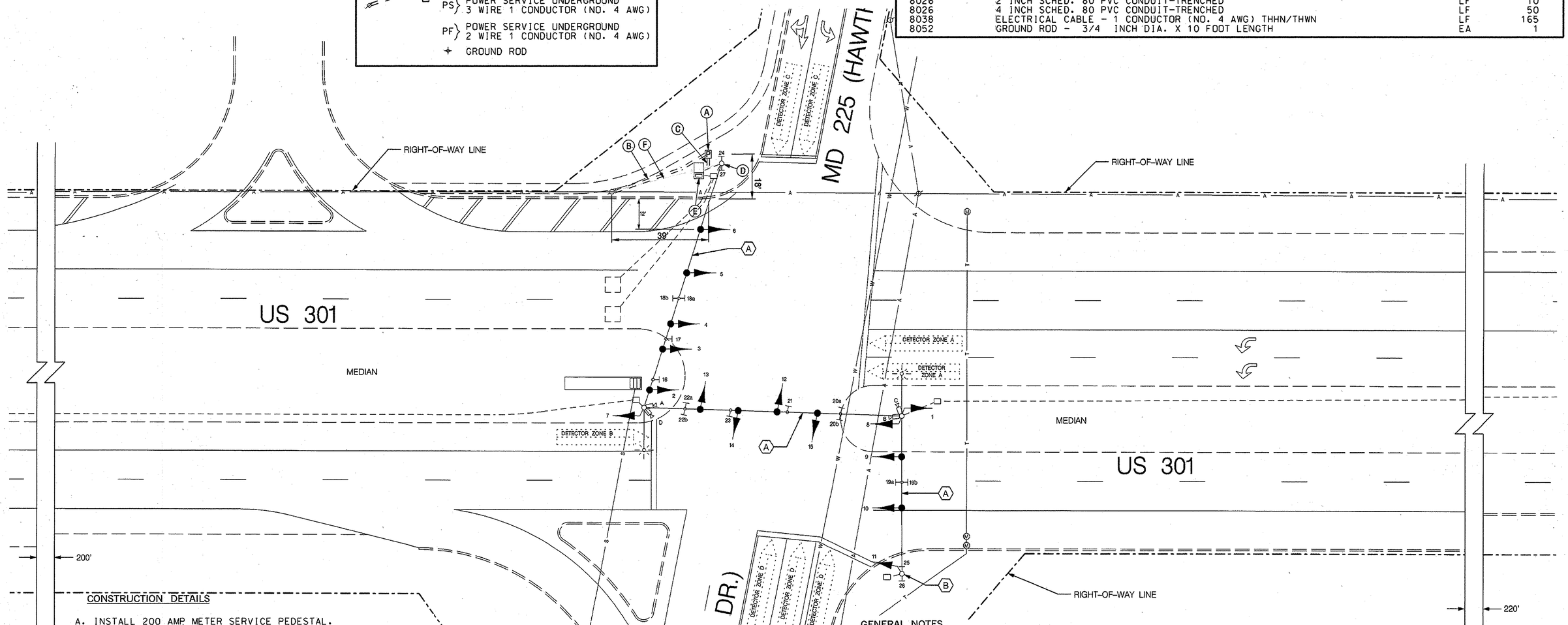
PF } POWER SERVICE UNDERGROUND 2 WIRE 1 CONDUCTOR (NO. 4 AWG)

✦ GROUND ROD

MATERIAL LIST

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
8012	FURNISH AND INSTALL 2 IN. SCHEDULE 80 PVC 45 DEGREE CONDUIT BEND	EA	1
8013	METER SERVICE PEDESTAL	EA	1
8026	2 INCH SCHED. 80 PVC CONDUIT-TRENCHED	LF	10
8026	4 INCH SCHED. 80 PVC CONDUIT-TRENCHED	LF	50
8038	ELECTRICAL CABLE - 1 CONDUCTOR (NO. 4 AWG) THHN/THWN	LF	165
8052	GROUND ROD - 3/4 INCH DIA. X 10 FOOT LENGTH	EA	1



CONSTRUCTION DETAILS

A. INSTALL 200 AMP METER SERVICE PEDESTAL.

B. INSTALL 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED. STUB UP TO BASE OF BGE UTILITY POLE.

C. THE CONTRACTOR IS TO DISCONNECT AND REMOVE EXISTING POWER FEED CABLE FROM BASE MOUNTED CONTROLLER CABINET AND CONDUIT PIPE. EXCAVATE AREA AROUND CABINET CONTROLLER CABINET AND LOCATE EXISTING CONDUIT. CUT EXISTING CONDUIT PIPE FROM CONCRETE FOUNDATION AND SLEEVE A 45 DEGREE BEND ON THE END OF THE EXISTING CONDUIT AND INSTALL 2 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED FROM METER SERVICE PEDESTAL TO THE 45 DEGREE BEND.

D. AFTER UTILITY COMPANY DE-ENERGIZES EXISTING POWER CONNECTION TO TRAFFIC SIGNAL. REMOVE METER AND DISCONNECT FROM SIGNAL POLE.

E. USE EXISTING BASE MOUNTED CONTROLLER CABINET AND INSTALL NEW POWER SERVICE CABLES.

F. REMOVAL OVERHEAD POWER FEED TO BE DONE BY SOUTHERN MARYLAND ELECTRIC CO-OP.

GENERAL NOTES

1. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
3. THE CONTRACTOR SHALL VERIFY UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER .
4. PRIOR TO ANY SIGNAL MODIFICATION OF THE EXSITING TRAFFIC SIGNAL THE CONTRACTOR SHALL NOTIFY SOUTHERN MARYLAND ELECTRIC CO-OP AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION TO DE-ENERGIZE THE EXISTING TRAFFIC SIGNAL POWER FEED.

TOD NO: AT936-10
SHA No: CH343A54/B54
US 301 @ MD 225

GEOMETRIC LEGEND

EXISTING

UTILITY LEGEND

STORM DRAIN
GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
AERIAL CABLES
TELEPHONE CABLES
FIBER-OPTIC

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

APPROVALS

TEAM LEADER
ASST. DIV.
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

© SHA CONTRACT NO.AT9365185 03/ /07
MODIFY EXISTING TRAFFIC SIGNAL POWER FEED TO METER SERVICE PEDESTAL

SWA			
F	CHANGE SIGNAL HEADS TO BLACKFACE		
6-10-04	SHA NO. XX1065485		
E			
8-94	SHA NO. CH 597-501-576		

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 301 AND MD 225/ (HAWTHORNE DR)

CHARLES COUNTY, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 12-9-75 CONTRACT NO. AT9365185

DESIGNED BY
DRAWN BY W.D. BUDNICHUK
CHECKED BY
F.A.P. NO. N/A

COUNTY CHARLES
LOGMILE 08030115.74
T.I.M.S. NO. 1050
TOD NO. N/A

DRAWING NO. TS-339 F

SHEET NO. 1 OF 2

PLOTTED: WEDNESDAY, APRIL 11, 2007 AT 11:38 AM
FILE: R:\2004\45 SHA BCS 2004-028 TEDD TRAFFIC\TASK 31\DGN\MD 225 AND US 301\PSG.P001_REDLINE.DGN

BY:JW000