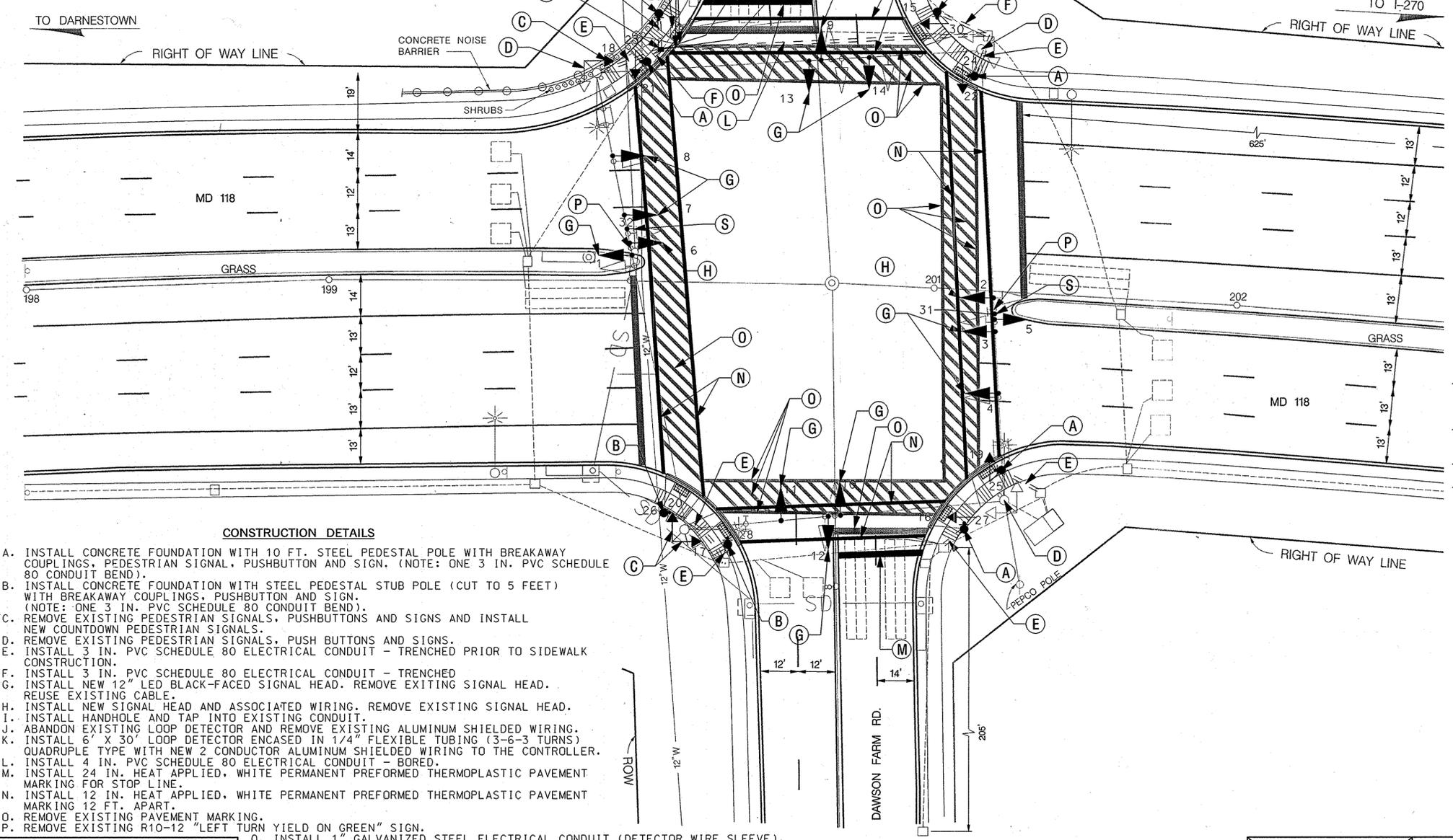


NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



- CONSTRUCTION DETAILS**
- INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY COUPLINGS, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
 - INSTALL CONCRETE FOUNDATION WITH STEEL PEDESTAL STUB POLE (CUT TO 5 FEET) WITH BREAKAWAY COUPLINGS, PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
 - REMOVE EXISTING PEDESTRIAN SIGNALS, PUSHBUTTONS AND SIGNS AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNALS.
 - REMOVE EXISTING PEDESTRIAN SIGNALS, PUSH BUTTONS AND SIGNS.
 - INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED PRIOR TO SIDEWALK CONSTRUCTION.
 - INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
 - INSTALL NEW 12" LED BLACK-FACED SIGNAL HEAD. REMOVE EXISTING SIGNAL HEAD. REUSE EXISTING CABLE.
 - INSTALL NEW SIGNAL HEAD AND ASSOCIATED WIRING. REMOVE EXISTING SIGNAL HEAD.
 - INSTALL HANDHOLE AND TAP INTO EXISTING CONDUIT.
 - ABANDON EXISTING LOOP DETECTOR AND REMOVE EXISTING ALUMINUM SHIELDED WIRING.
 - INSTALL 6' X 30' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (3-6-3 TURNS) QUADRUPLE TYPE WITH NEW 2 CONDUCTOR ALUMINUM SHIELDED WIRING TO THE CONTROLLER.
 - INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
 - INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
 - INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING 12 FT. APART.
 - REMOVE EXISTING PAVEMENT MARKING.
 - REMOVE EXISTING R10-12 "LEFT TURN YIELD ON GREEN" SIGN.
 - INSTALL 1" GALVANIZED STEEL ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
 - REMOVE HANDHOLE.
 - INSTALL SPAN MOUNTED SIGN.

- GENERAL NOTES**
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
 - FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS. MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
 - ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
 - 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.
 - 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.
 - REFER TO ROADWAY PLANS FOR INSTALLATION OF AND MODIFICATIONS TO ALL ADA RAMPS.
 - MAINTAIN EXISTING SIGNAL UNTIL PROPOSED SIGNAL IS IN FULL SERVICE
 - TRENCH CONDUIT PRIOR TO RAMP AND SIDEWALK INSTALLATION.
 - PUSHBUTTONS TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60"x60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
 - THE 10' SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
 - PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
 - 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, OFFICE OF TRAFFIC AND SAFETY.

TOD No. XX444-06
SHA No. M0526A54/B54



UTILITY LEGEND

— E — E —	ELECTRIC CABLES	— SD — SD —	STORM DRAIN
— A — A —	AERIAL CABLES	— G — G —	GAS MAIN
— T — T —	TELEPHONE CABLES	— W — W —	WATER MAIN
— F — F —	FIBER-OPTIC	— S — S —	SEWER MAIN

APPROVALS

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

REVISIONS

02798	UPGRADE NEMA MD 118 TO EXCLUSIVE PHASING, 88 DPA TO 87 PHASING. INITIAL SPEC. ON ALL SIGNS
02800	W/S 1/28/08

SIGNALIZATION PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE 10/15/95 CONTRACT NO. M-269-451-371

DESIGNED BY	RJM	COUNTY	MONTGOMERY
DRAWN BY	RC	LOGMILE	1501804.68
CHECKED BY	DBD	TMS NO.	1755
F.A.P. NO.	AC-CMG-NHG-000A(27)E	TOD NO.	3589

TS NO. 302 DRAWING **SG-01** OF 03 SHEET NO. 1 OF 3

PLOTTED: Wednesday, July 09, 2008 AT 10:38 AM
FILE: J:\DATA\1755\PSG-P001_MD118_Base.dgn