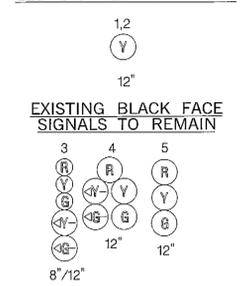
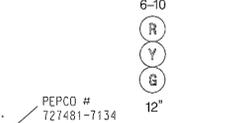


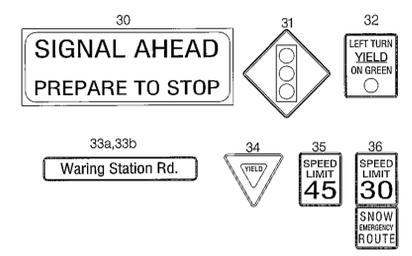
EXISTING BLACK FACE LED SIGNALS TO REMAIN



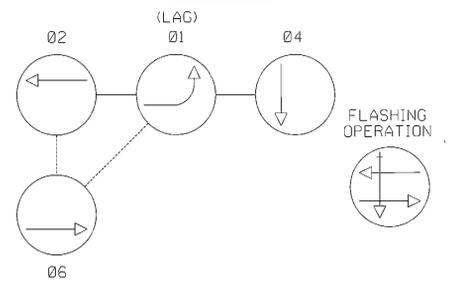
EXISTING YELLOW FACE SIGNALS TO REMAIN



EXISTING SIGNS TO REMAIN

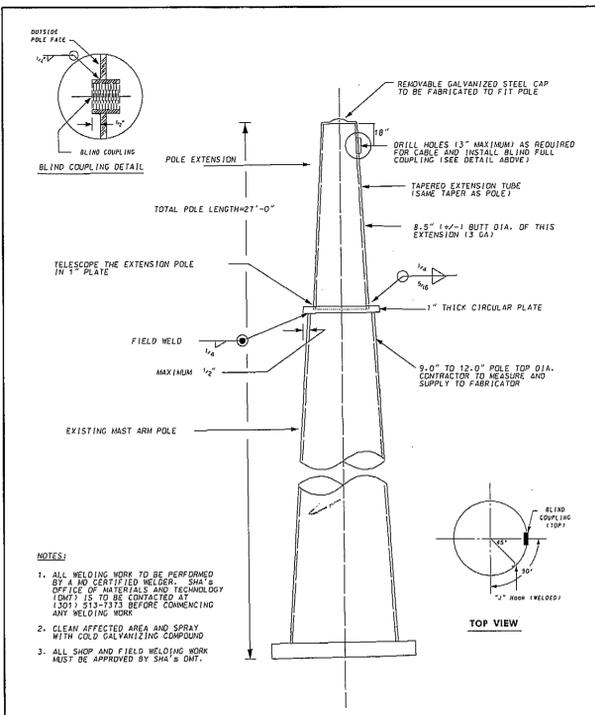
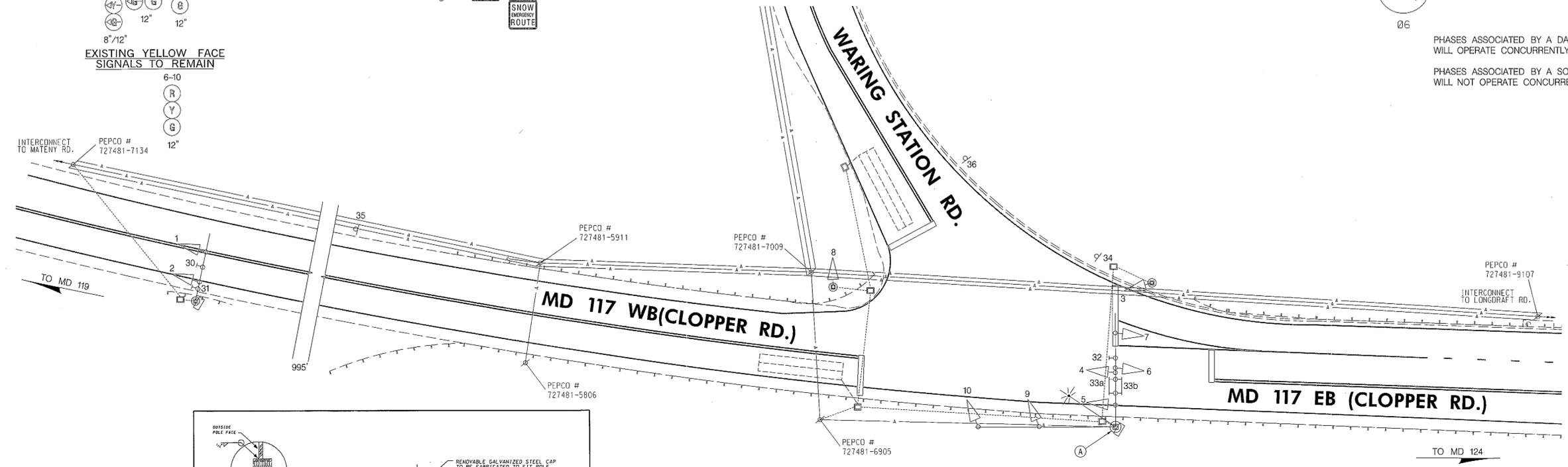


NEMA PHASING (LAG)



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS:  
A. USE EXISTING MAST ARM POLE, POLE MOUNTED CABINET. INSTALL MAST ARM POLE EXTENSION, A 20 FT. LIGHTING ARM WITH 250 WATT HPS LUMINAIRE AND PHOTOCELL.

GENERAL NOTES:

1. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
3. ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE PROPOSED EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

TOD NO: XK654-02  
SHA NO: MO100851  
MD 117 @ Waring Station Road

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED

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

SPECIFICATION	CATEGORY	CODE	ITEMS
APPROVED	Tom Hicks (Signature on file)	081803	DIRECTOR - OFFICE OF TRAFFIC AND SAFETY
<b>Maryland Department of Transportation</b> <b>STATE HIGHWAY ADMINISTRATION</b> OFFICE OF TRAFFIC & SAFETY			
TYPICAL NO. <b>818.02.01</b>		<b>MAST ARM POLE EXTENSION FOR LIGHTING ARM</b>	

**BAI** BRUDIS & ASSOCIATES, INC.  
Consulting Engineers  
6240 Rumsey Road, Suite 110  
Columbia, Maryland 21046  
Phone 410-884-3507  
www.brudis.com

APPROVALS	REVISIONS
TEAM LEADER	01/12 TMS-L040 SHA NO. XX6545185 ADD INTERSECTION LIGHTING AND UNDERPASS SIGNALS
ASST. DIR. CHIEF	DM <i>M.F. [Signature]</i> A MODIFY SIGNAL AND INSTALL HAZARD IDENTIFICATION BEACON S.H.A. XX1065285 TMS-F350
DIVISION CHIEF	JWA MAR [Signature] [Signature] [Signature]
OFFICE DIRECTOR	

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 117 (CLOPPER RD.) AT  
WARING STATION RD.  
GERMANTOWN, MD

**SIGNALIZATION PLAN SHEET**

SCALE 1" = 20' ADVERTISED DATE \_\_\_\_\_ CONTRACT NO. \_\_\_\_\_

DESIGNED BY \_\_\_\_\_ COUNTY MONTGOMERY  
DRAWN BY W.J. NEIS LOGMILE 15011709.22  
CHECKED BY \_\_\_\_\_ TMS NO. \_\_\_\_\_  
F.A.P. NO. \_\_\_\_\_ TOD NO. \_\_\_\_\_

TS NO. 4225B DRAWING SG - 1 OF 1 SHEET NO. 1 OF 2

PLOTTED: Wednesday, January 25, 2012 AT 09:34 AM  
FILE: P:\09-002 TEDD\Task 70 MD 117 @ Waring Station Rd\Drawings\CADD\Working\p55-P001\_MCH17@Waring\_Station.dgn

BY: davidma