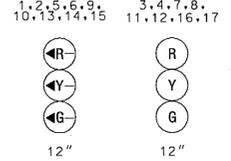
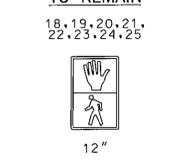




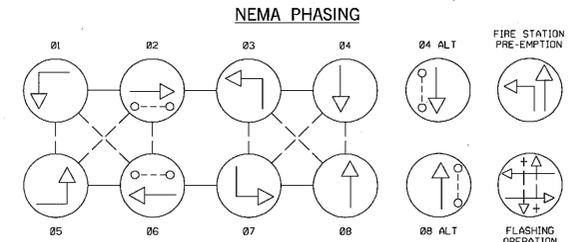
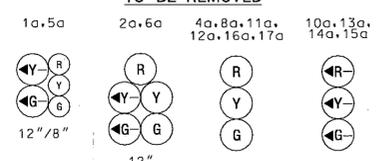
**PROPOSED LED SIGNALS**



**EXISTING SIGNALS TO REMAIN**



**EXISTING SIGNALS TO BE REMOVED**



**PHASING NOTES:**  
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.  
2. PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

**GENERAL NOTES**

- 1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE. ALL UNUSED SIGNAL CABLE SHALL BE PROPERLY REMOVED AND DISPOSED.

**SPECIAL NOTES**

- 1. THE CONTRACTOR SHALL CONTACT MR. KAMAL HAMUD AT THE MONTGOMERY COUNTY DPW&T AT LEAST 72 HOURS PRIOR TO THE BEGINNING OF WORK.
- 2. ALL SPAN MOUNTED SIGNALS AND SIGNS SHALL BE TETHERED.

**PROPOSED SIGNS**

33, 38



R10-12(2)  
48\"/>

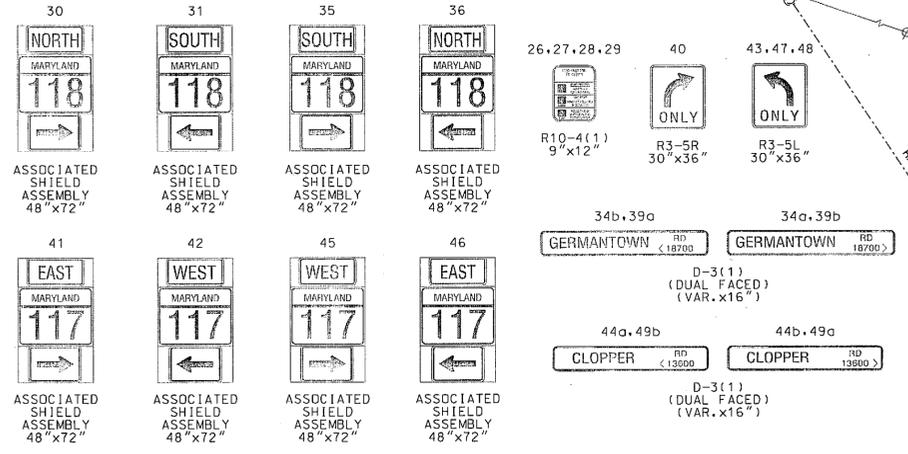
**EXISTING SIGNS TO BE REMOVED**

32, 37



R10-12  
36\"/>

**EXISTING SIGNS TO REMAIN**



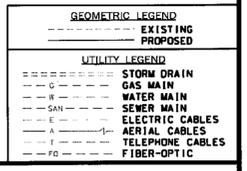
**CONSTRUCTION DETAILS**

- A. REMOVE EXISTING SIGNAL HEAD.
- B. INSTALL NEW LED SIGNAL HEAD AS SHOWN ON PLAN AND ATTACH WITH BOTTOM TETHER SPAN.
- C. REMOVE EXISTING SIGN
- D. INSTALL NEW OVERHEAD SIGN AND ATTACH WITH BOTTOM TETHER SPAN.
- E. USE EXISTING SPAN WIRE.
- F. USE EXISTING STRAIN POLE.
- G. USE EXISTING CONDUIT.
- H. USE EXISTING HANDHOLE.
- J. USE EXISTING SIGNAL CABINET.

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TOD NO: XX449-40  
SHA NO: MO205ASA/B54  
MD 117 @ MD 118



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

**MD 117 (CLOPPER ROAD) AND MD 118 (GERMANTOWN ROAD) GERMANTOWN, MARYLAND**

**TRAFFIC SIGNALIZATION PLAN**

APPROVALS	REVISIONS
TEAM LEADER	1. MODIFY PHASING TO EXCLUDE FLASHING RED ARROW ALL SIGNAL HEADS TO LED
ASST. DIV. CHIEF	2. ADD PRE-EMPTION AND REVERSE FC TO THE SOUTH
DIVISION CHIEF	3. CHANGE ALL SIGNAL HEADS TO BLACK FACE
OFFICE DIRECTOR	

DESIGNED BY	COUNTY
B.D. Smith	MONTGOMERY
CHECKED BY	T.I.M.S. NO.
Dennis J. Doda	J838
F.A.P. NO.	T.O.D. NO.

SCALE	DATE	CONTRACT NO.
1" = 20'	1-30-85	M 520-501-385
DESIGNED BY	COUNTY	
B.D. Smith	MONTGOMERY	
DRAWN BY	LOGMILE	
Dennis J. Doda	15011707.57	
CHECKED BY	T.I.M.S. NO.	
Dennis J. Doda	J838	
F.A.P. NO.	T.O.D. NO.	