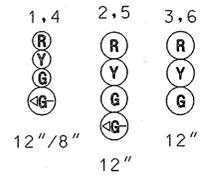
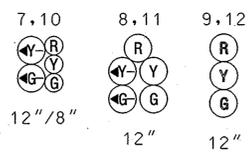


MARRIOTTVILLE ROAD IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

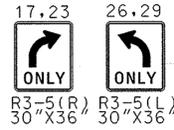
PROPOSED LED SIGNAL MODULAR UPGRADE



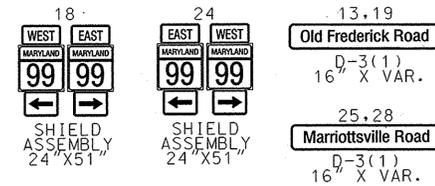
PROPOSED LED SIGNALS



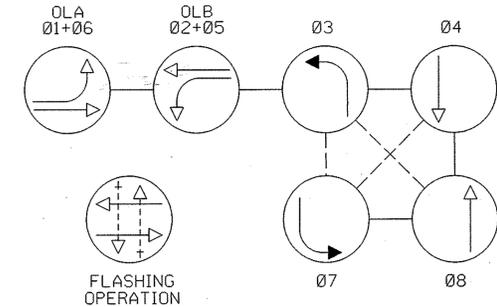
EXISTING SIGNS TO REMAIN



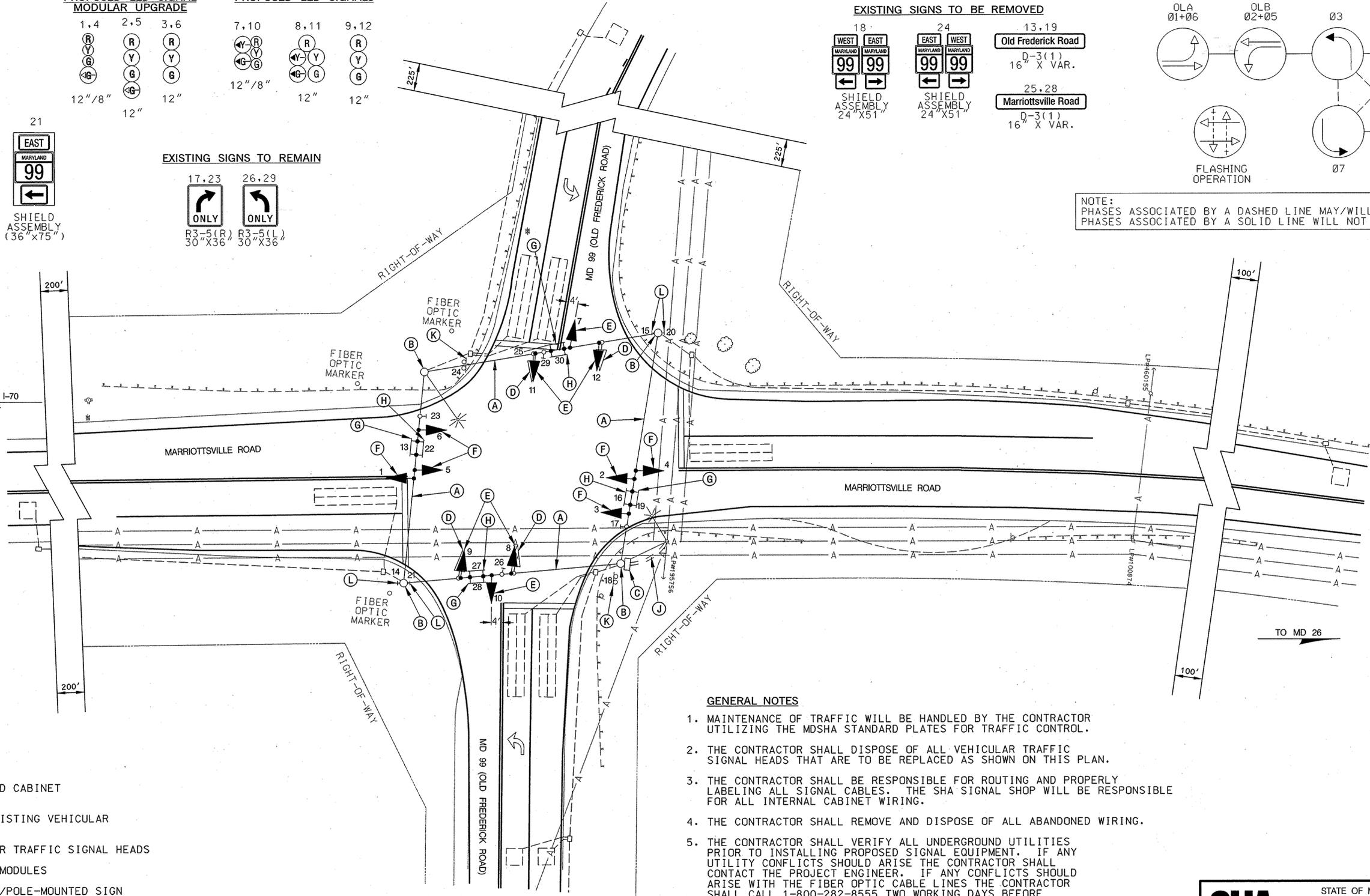
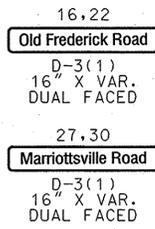
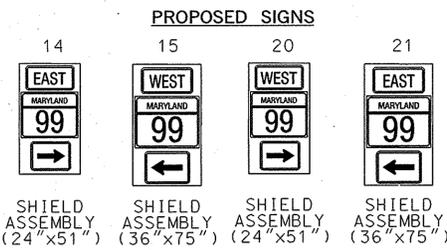
EXISTING SIGNS TO BE REMOVED



NEMA PHASING



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



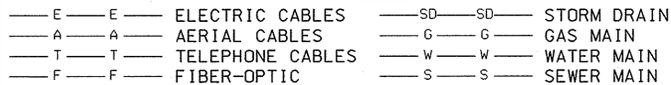
CONSTRUCTION DETAILS

- A. USE EXISTING SPANWIRE
- B. USE EXISTING STRAIN POLE
- C. USE EXISTING POLE MOUNTED CABINET AND CONTROLLER
- D. REMOVE AND DISPOSE OF EXISTING VEHICULAR TRAFFIC SIGNAL HEAD
- E. INSTALL NEW LED VEHICULAR TRAFFIC SIGNAL HEADS
- F. INSTALL LED SIGNAL HEAD MODULES
- G. REMOVE EXISTING OVERHEAD/POLE-MOUNTED SIGN
- H. INSTALL OVERHEAD SIGN
- J. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) WITH BEND IN EXISTING STRAIN POLE FOUNDATION FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
- K. REMOVE EXISTING GROUND MOUNTED SIGN
- L. INSTALL SIGN ON STRAIN POLE

GENERAL NOTES

1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE MSHA STANDARD PLATES FOR TRAFFIC CONTROL.
2. THE CONTRACTOR SHALL DISPOSE OF ALL VEHICULAR TRAFFIC SIGNAL HEADS THAT ARE TO BE REPLACED AS SHOWN ON THIS PLAN.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
4. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED WIRING.
5. 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. IF ANY CONFLICTS SHOULD ARISE WITH THE FIBER OPTIC CABLE LINES THE CONTRACTOR SHALL CALL 1-800-282-8555 TWO WORKING DAYS BEFORE EXCAVATING IN THE VICINITY.

UTILITY LEGEND



TOD No.: AT783-10
SHA No.: HO377A55/B55

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 99 (OLD FREDERICK ROAD) AND MARRIOTTVILLE ROAD

APPROVALS	REVISIONS
TEAM LEADER	6/2/2006 ADD EP PHASING FOR EB AND WB SHA# AT783185
ASST. DIV. CHIEF	6/14/04 MODIFY FOR LANE REASSIGNMENT SHA# BW996M82
DIVISION CHIEF	B INSTALL PRESENCE LOOPS FOR MARRIOTTVILLE ROAD AA#065585
OFFICE DIRECTOR	MEL

TRAFFIC SIGNALIZATION PLAN	
SCALE 1" = 20'	DATE 01/12/98
DESIGNED BY	COUNTY HOWARD
DRAWN BY T. ZAYDEL	LOGMILE 13009902.87
CHECKED BY T. ZAYDEL	T.I.M.S. NO. H288
F.A.P. NO.	TOD NO.
DRAWING NO. TS-1891D	SHEET NO. 1 OF 2

BY: thompson
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