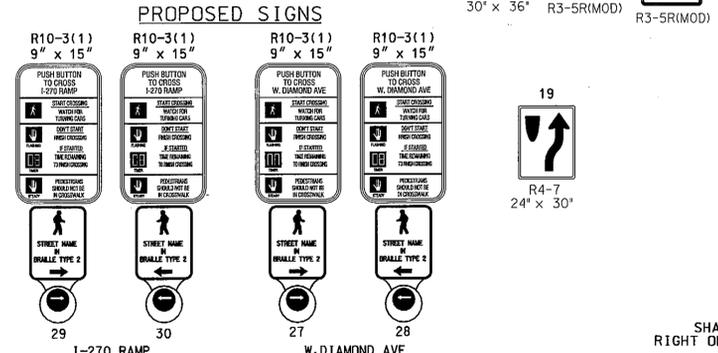
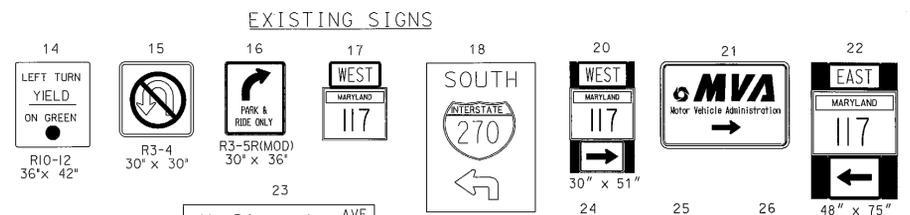


BORDER REV. DATE: June 1, 2004

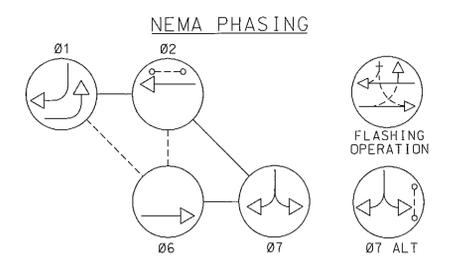
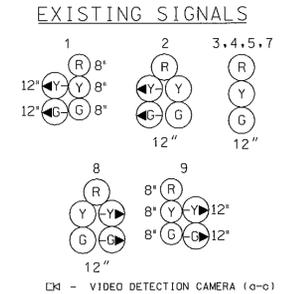
DRILL HOLES

DRILL HOLES

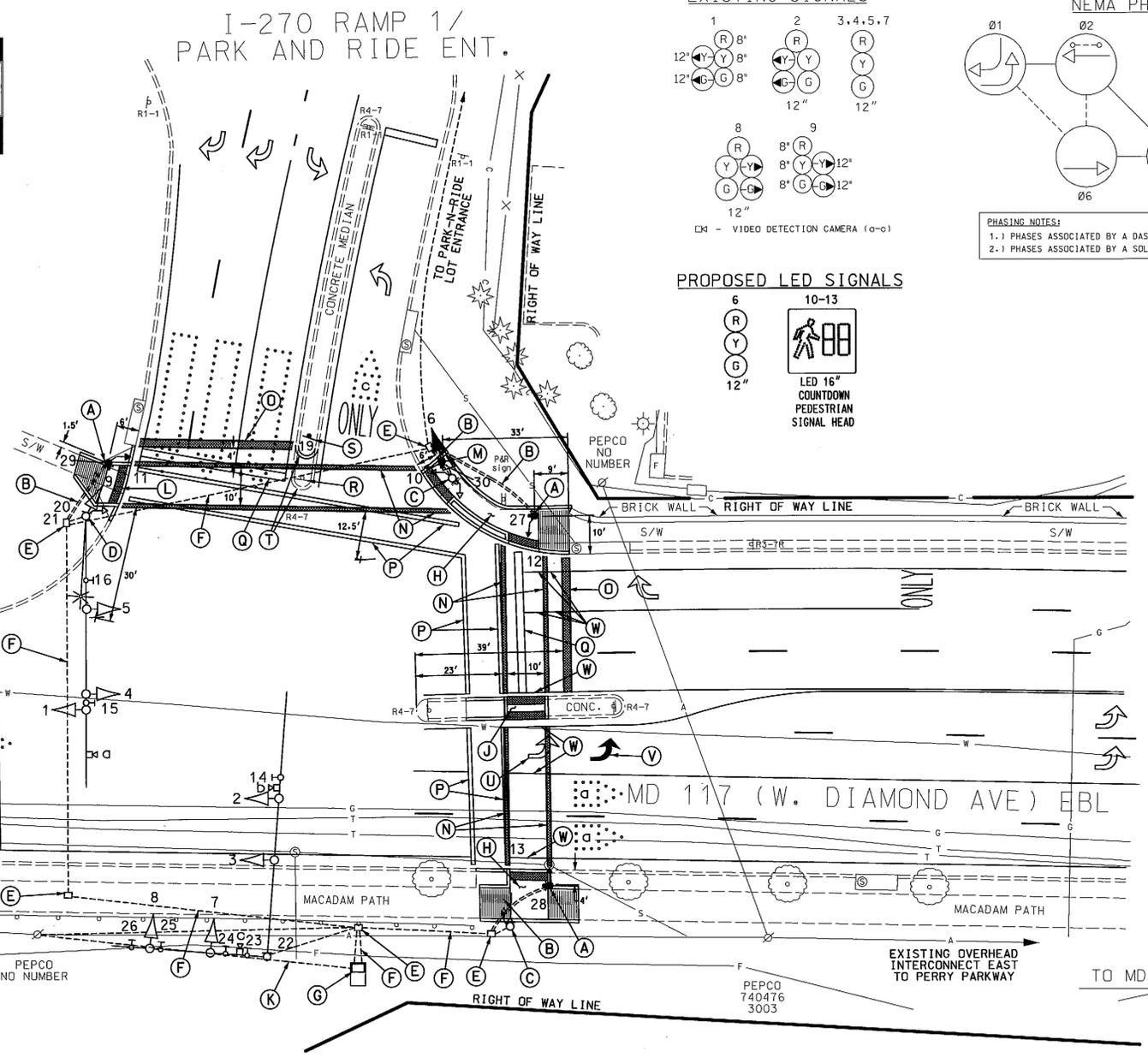
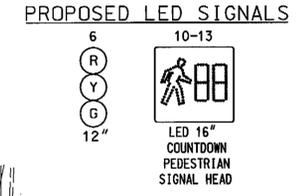
DRILL HOLES



NOTE: MD 117 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.



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



- CONSTRUCTION DETAILS**
- Install 10' (18" breakaway coupling foundation STD No. 801.01-01) pedestal pole with countdown pedestrian signal heads and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend).
 - Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
 - Remove existing pedestal pole, all attached signal equipment and foundation. Cap and abandon existing conduit.
 - Remove pedestrian signal head and associated wiring from mast arm pole.
 - Use existing handhole.
 - Use existing conduit.
 - Use existing base mounted cabinet and controller. (Note: Montgomery County Forces shall install 2-wire Control Unit into cabinet).
 - Install proposed sidewalk ramp (Note: See Sheet 2 of 3 "ADA Ramp Detail Plan").
 - Install proposed median cut thru (Note: See Sheet 2 of 3 "ADA Ramp Detail Plan").
 - Existing underground electrical service to be maintained by PEPCO.
 - Install proposed detectable warning surface onto existing sidewalk ramp. (Note: See Sheet 2 of 4 "ADA Ramp Detail Plan").
 - Install 14' breakaway pedestal pole, traffic signal head, countdown pedestrian signal heads and APS pushbutton with pedestrian education sign. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend).
 - Install 12" white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk)
 - Install 24" white, heat applied permanent preformed thermoplastic pavement marking. (stopline)
 - Remove existing pavement marking (crosswalk)
 - Remove existing pavement marking (stopline)
 - Remove existing ground mounted sign.
 - Install ground mounted sign on 4"x4" wood post, 6' from the proposed median nose as shown.
 - Cut back existing median as shown on the ADA Sheet 2 of 3.
 - Remove existing "Left Arrow" pavement marking.
 - Install white, heat applied permanent preformed thermoplastic pavement marking. (Left Arrow).
 - Remove lane line / edgeline from within proposed crosswalk / stopline.

GENERAL NOTES:

- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
- 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, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- The contractor shall remove all unused wiring.
- All pavement markings not detailed are existing and shall remain.

TOD NO: XX354-17
 SHA NO: MO255A58/K58
 MD 117 @ I-270 SB ramp/Park @ Ride entrance

GEOMETRIC LEGEND

PROPOSED	---
EXISTING	---

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

REVISION "A"

APPROVALS

TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS

NO.	DESCRIPTION	DATE
1	MODIFY TRAFFIC SIGNAL WITH APS / CPS, ADA RAMPS	10-19-10
2		
3		

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION

MD 117 (W DIAMOND AVENUE) AND I-270 RAMP 1 / PARK AND RIDE ENTRANCE
 GAITHERSBURG, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE JUNE 11, 2001 CONTRACT NO. M07915171

DESIGNED BY	A. FORNARO	COUNTY	MONTGOMERY
DRAWN BY	TK/ME	LOGMILE	15011711.81
CHECKED BY		TMS NO.	D684
F.A.P. NO.		TOD NO.	

TS NO. 4111A DRAWING NO. 1 OF 3 SHEET NO. OF

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