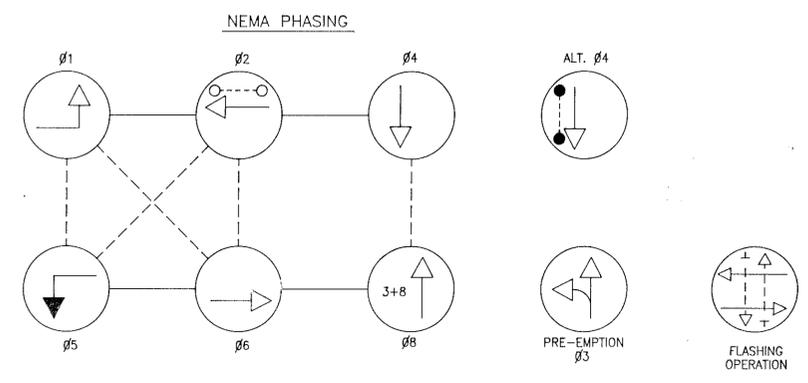
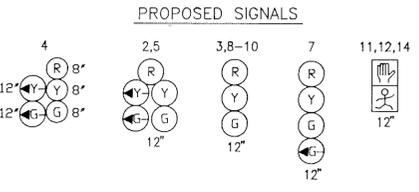
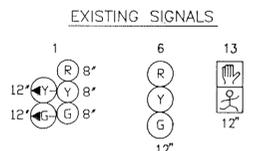
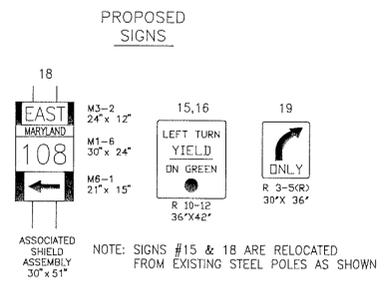
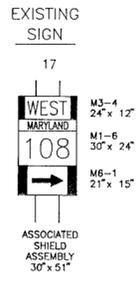


F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			



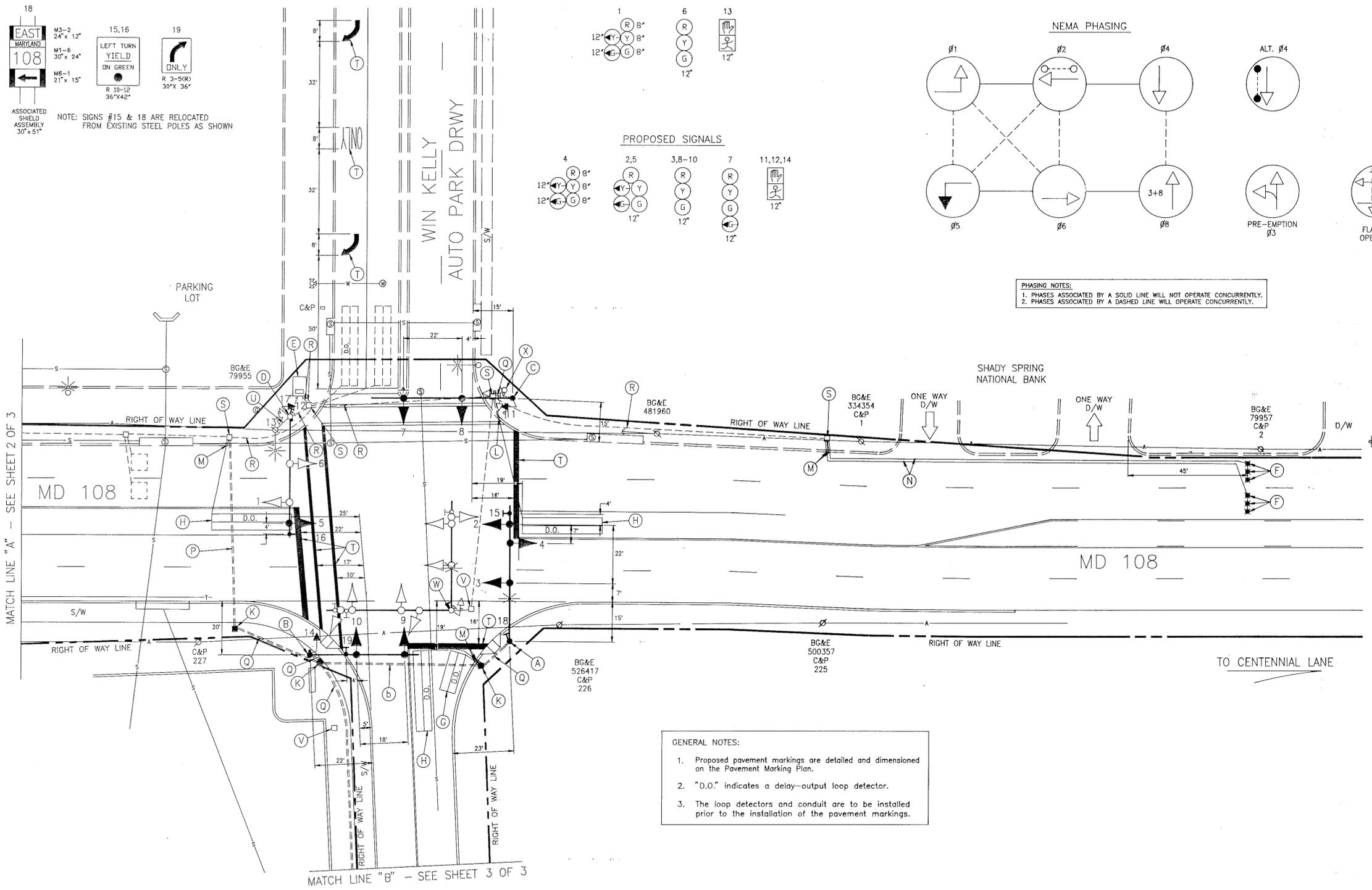
MD 108 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.



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

CONSTRUCTION DETAILS

- A. Install 27' steel pole with a 50' mast arm, traffic signal heads, signs and 15' lighting arm with a 250W-HPS luminaire as shown. (Note: 1-2", 90 degree polyvinyl chloride (Schedule 40) bend.) (Note: Lighting arm with luminaire, R10-12 sign and Associated Shield Assembly sign shall be relocated from the steel pole to be removed detailed "W".)
- B. Install 27' steel pole with a 38' mast arm, traffic signal heads, signs, pedestrian signal head, pushbutton and sign as shown. (Note: 1-2", 90 degree polyvinyl chloride (Schedule 40) bend.) (Note: Pedestrian signal head, pushbutton and sign shall be relocated from the steel pole to be removed detailed "W".)
- C. Install 27' steel pole with a 50' mast arm, traffic signal heads, signs and pedestrian signal head as shown. (Note: 1-2", 90 degree polyvinyl chloride (Schedule 40) bend.) (Note: Pedestrian signal head shall be relocated from the pedestal pole to be removed detailed "X".)
- D. Remove existing traffic signal head and install proposed traffic signal head as shown using the existing wiring (See Wiring Diagram). Install proposed R10-12 sign as shown. Relocate existing pedestrian signal head from the pedestal pole to be removed detailed "X".
- E. Use existing base-mounted cabinet.
- F. Install probes as shown. (See Micro-loop Detectors Typical.)
- G. Install 6' x 15' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
- H. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
- J. Install 6' x 6' loop detector encased in 1/4" flexible tubing (4-turns).
- K. Install handhole.
- L. Install 1" galvanized steel electrical conduit (detector wire sleeve).
- M. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).
- N. Install 3/8" sawcut for home-run cable.
- O. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- P. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (slotted).
- Q. Install 2" polyvinyl chloride electrical conduit (Schedule 40) (trenched).
- R. Use existing conduit.
- S. Use existing handhole.
- T. Install pavement markings as shown.
- U. Existing overhead electrical service to be maintained by BG & E.
- V. Remove handhole. (Cap and abandon attached conduit.)
- W. Remove 27' steel pole, mast arms and all attached equipment. (Cap and abandon attached conduit.)
- X. Remove pedestal pole, pedestrian signal heads and all attached equipment. (Cap and abandon attached conduit.)
- Y. Remove pedestal pole and all attached equipment. (Cap and abandon attached conduit.)
- Z. Use existing handhole, splice proposed loop detector into existing 2-conductor electrical cable (No. 14 A.W.G.) (See Wiring Diagram)
- a. Install handhole with a coil of 100' additional 5-conductor electrical cable inside for use by the firehouse.
- b. Install 3" polyvinyl chloride electrical conduit (Schedule 40) (trenched prior to installation of proposed pavement.)



GENERAL NOTES:

- Proposed pavement markings are detailed and dimensioned on the Pavement Marking Plan.
- "D.O." indicates a delay-output loop detector.
- The loop detectors and conduit are to be installed prior to the installation of the pavement markings.

GEOMETRIC LEGEND

PROPOSED	---
EXISTING	---

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

REVISION "A"

STREET TRAFFIC STUDIES, LTD.
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REVISIONS		APPROVALS	

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic and Safety
 TRAFFIC ENGINEERING DESIGN DIVISION

LOG MILE: 13010803.70

DRAWN BY: S.R.BARANOWSKI (FOR STS)	MD 108 AND WIN KELLY AUTO-PARK DRWY/PARK & RIDE/FIRE STATION ACCESS ROAD
DES. BY: R.R.ZACHERL (FOR STS)	COUNTY HOWARD
CHK. BY:	

DATE: 5-11-94	F.A.P. NO.	TS/STD. NO.	SHEET NO.
SCALE: 1"=20'	S.H.A. NO.	3409A	OF