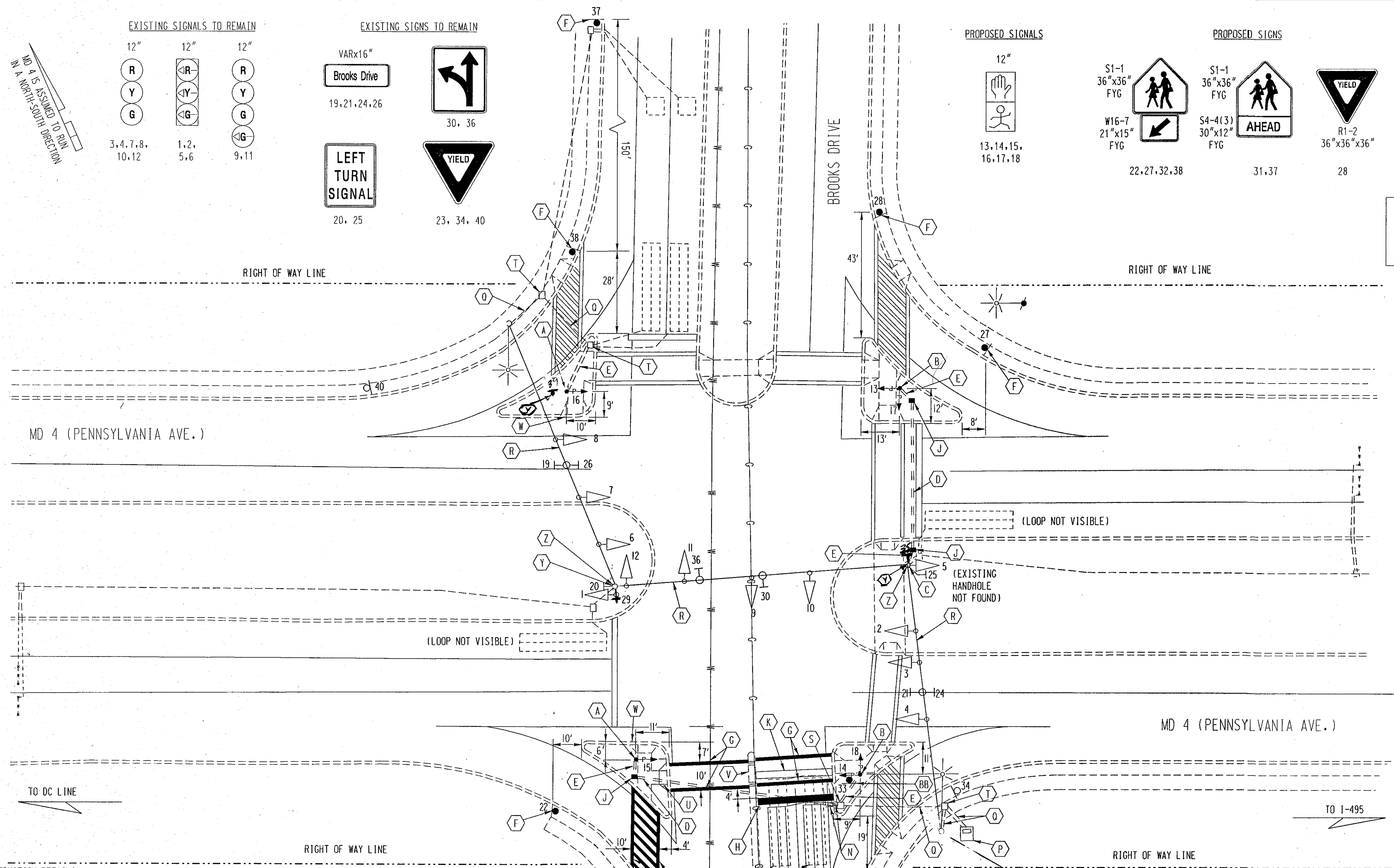
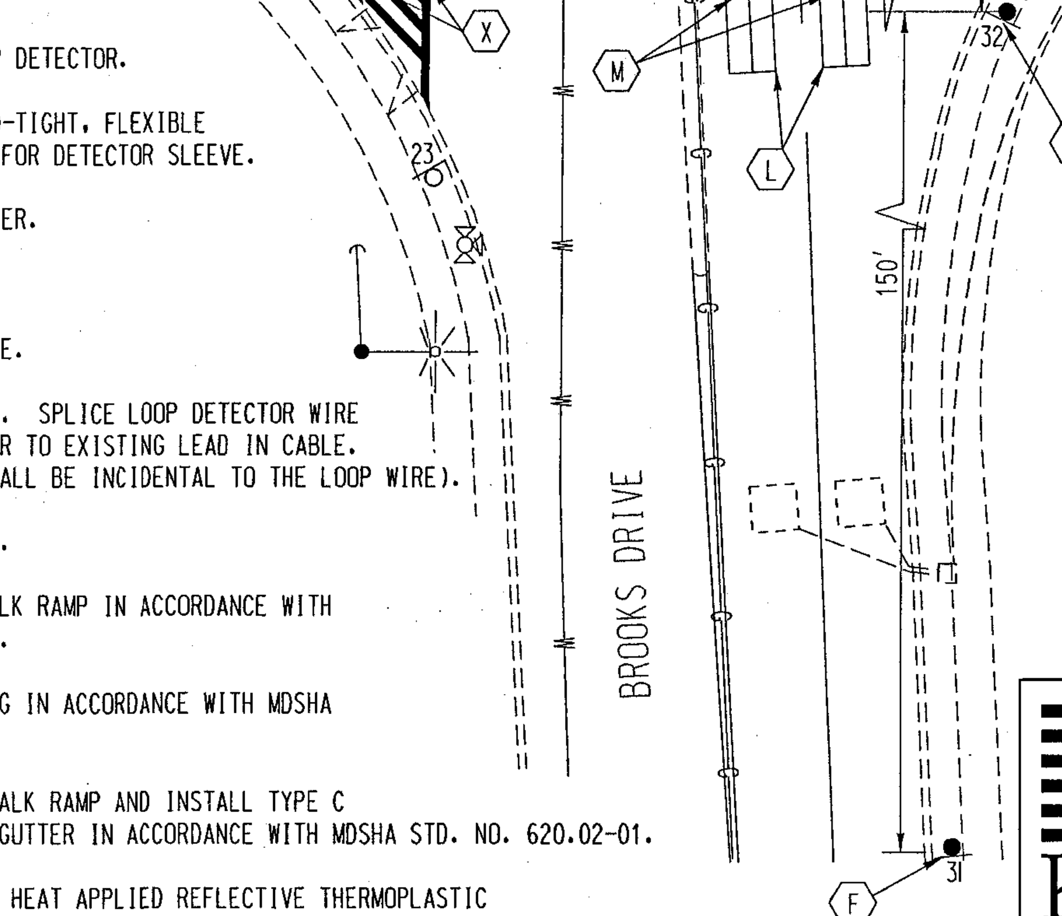
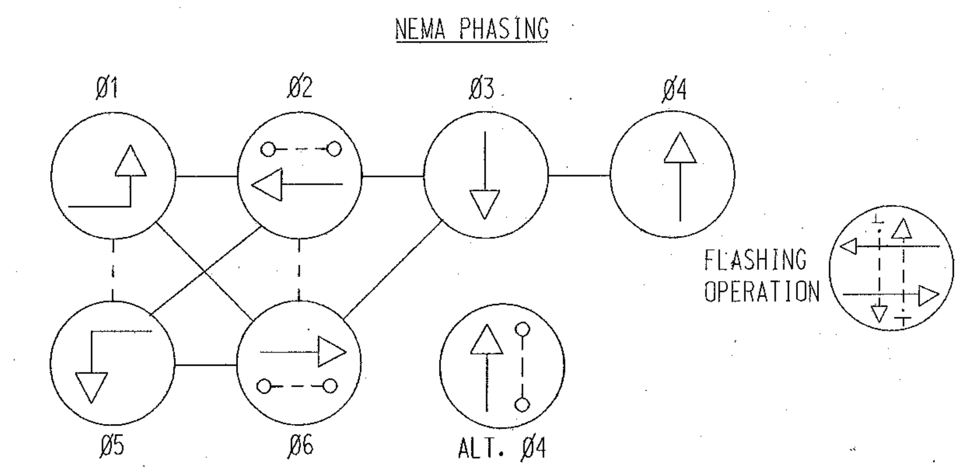




NEMA PHASING

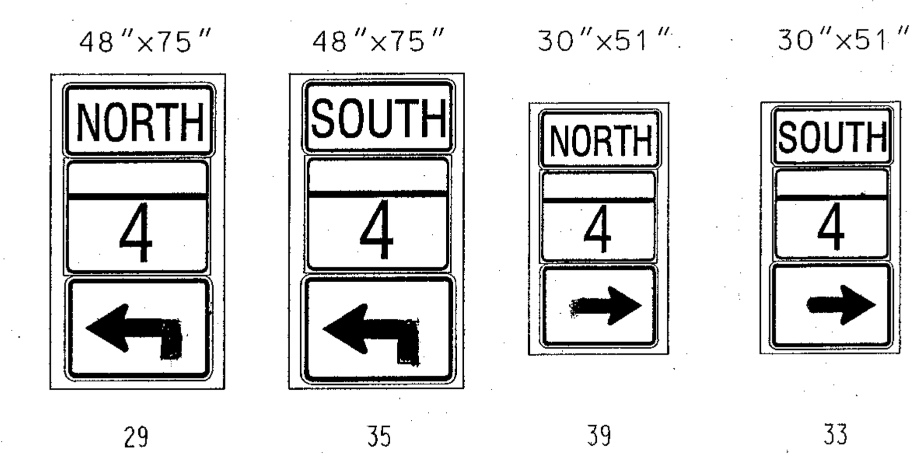


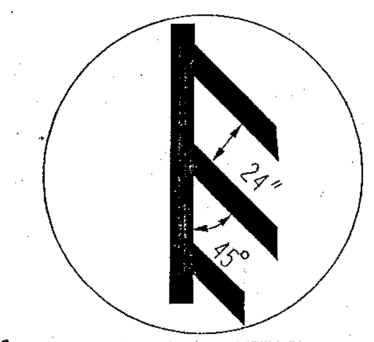
NEMA PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY

PROPOSED SIGNS CONT.

ASSOCIATED SHIELD ASSEMBLIES





CROSSWALK DETAIL

GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED TO BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
2. EXISTING WIRING NOT DETAILED SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED.
3. ALL PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA PRACTICES AND THE LATEST REVISION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
4. ALL PROPOSED EQUIPMENT AND PAVEMENT MARKING LOCATIONS SHALL BE CONFIRMED PRIOR TO INSTALLATION BY THE ENGINEER.
5. THE CONTRACTOR SHALL REMOVE EXISTING SIDEWALKS AS NECESSARY TO COMPLETE CONSTRUCTION. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL REPLACE ALL REMOVED SIDEWALKS WITH NEW 4 INCH CONCRETE SIDEWALK, AS DIRECTED BY THE ENGINEER.

CONSTRUCTION DETAILS

- (A) INSTALL 10 FOOT PEDESTAL POLE, AND PEDESTRIAN SIGNAL HEAD. (NOTE: 1-3 INCH SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND).
- (B) INSTALL 10 FOOT PEDESTAL POLE, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND PEDESTRIAN SIGN "PUSH BUTTON TO CROSS PENNSYSVANIA AVENUE..". (NOTE: 1-3 INCH SCHEDULE 80, 90 PVC DEGREE CONDUIT BEND).
- (C) INSTALL 3 INCH SCHEDULE 80 CONDUIT BEND IN EXISTING BASE.
- (D) INSTALL 4 INCH SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT-BORED.
- (E) INSTALL 3 INCH SCHEDULE 80 POLYVINYL CHLORIDE CONDUIT-TRENCHED.
- (F) INSTALL PROPOSED SIGN ON 4 INCH X 4 INCH WOOD POST.
- (G) INSTALL 12 INCH WHITE HEAT APPLIED REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
- (H) INSTALL 24 INCH WHITE HEAT APPLIED REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
- (J) INSTALL ELECTRICAL HANDHOLE.
- (K) REMOVE EXISTING PAVEMENT MARKINGS AS DIRECTED BY THE ENGINEER.
- (L) INSTALL 6 FOOT X 30 FOOT QUADRUPOLE (3-6-3) TYPE LOOP DETECTOR ENCASED IN FLEXIBLE 1/4 INCH TUBING.
- (M) ABANDON EXISTING LOOP DETECTOR.
- (N) INSTALL 1 INCH LIQUID-TIGHT, FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
- (P) USE EXISTING CONTROLLER.
- (Q) USE EXISTING CONDUIT.
- (R) USE EXISTING SPAN WIRE.
- (S) USE EXISTING HANDHOLE. SPLICE LOOP DETECTOR WIRE FROM PRESENCE DETECTOR TO EXISTING LEAD IN CABLE. (NOTE: SPLICE KITS SHALL BE INCIDENTAL TO THE LOOP WIRE).
- (T) USE EXISTING HANDHOLE.
- (U) INSTALL TYPE I SIDEWALK RAMP IN ACCORDANCE WITH MDSHA STD. NO. 655.11.
- (V) INSTALL MEDIAN OPENING IN ACCORDANCE WITH MDSHA STD. NO. 655.21.
- (W) REMOVE EXISTING SIDEWALK RAMP AND INSTALL TYPE C COMBINATION CURB AND GUTTER IN ACCORDANCE WITH MDSHA STD. NO. 620.02-01.
- (X) INSTALL 12 INCH WHITE HEAT APPLIED REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (CROSSWALK). SEE CROSSWALK DETAIL, THIS SHEET.

CONSTRUCTION DETAILS CONT.

- (Y) BAND SIGN TO POLE.
- (Z) INSTALL NEW ACCESS HOLE COVER ON SIGNAL POLE.
- (AA) INSTALL PROPOSED SIGN ON 6 INCH X 8 INCH WOOD POST.
- (BB) INSTALL PROPOSED SIGN ON 4 INCH X 6 INCH WOOD POST.

UTILITY LEGEND

- —G—G— GAS MAIN
- —W—W— WATER MAIN
- —S—S— SEWER MAIN
- —E—E— ELECTRIC CABLES
- —A—A— AERIAL CABLES
- —T—T— TELEPHONE CABLES

REVISION 'C'

KCI TECHNOLOGIES
ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
10 NORTH PARK DRIVE
HUNT VALLEY, MD 21030
PHONE: (410) 316-7800
FAX: (410) 316-7817
www.kci.com

REVISIONS

- (C) INSTALLED PEDESTRIAN SIGNALS AND CROSSWALK 5/2003 AT2885185 — AMH
- (B) REPLACED LOOP AND INSTALLED INTERCONNECT 5/1997 — SA | RD
- (A) REDRAWN, ASBUILT, ADD INTERSECTION LIGHTING 7/1984 P-333-1-385 — KWS | DAZ | EAP | TH

APPROVALS

ORIGINAL — TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ON — ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
FILE — CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 4 (PENNSYLVANIA AVENUE) AT BROOKS DRIVE DISTRICT HEIGHTS, MARYLAND TRAFFIC SIGNAL PLAN

DRAWN BY:		F.A.P. NO.	
CHECKED BY:		S.H.A. NO.	PG484A55
SCALE:	1"=20'	COUNTY:	PRINCE GEORGE'S
DATE:		LOG MILE:	16000412.60

TS NO. 963C
T.I.M.S. NO. F676
SHEET NO. 1 OF 2

PLOTTED: $DATE$
BY: $USERNAME$
FILE: $FILE$