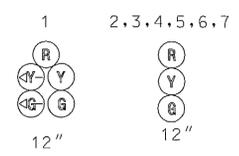
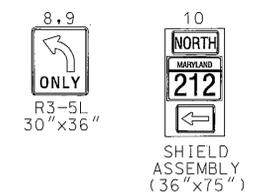


RUN IN A NORTH-SOUTH DIRECTION
 MD 212 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNALS TO REMAIN



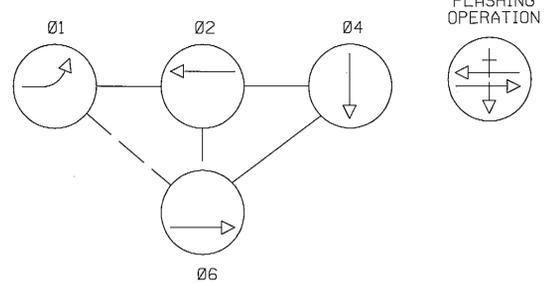
EXISTING SIGNS TO REMAIN



EXISTING SIGN TO BE REMOVED



NEMA PHASING



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

PHASE CHART

	1	2	3	4	5	6	7	
PHASE 1 + 6	R	G	R	R	R	R	R	
PHASE 1 + 6 CHANGE	G	G	R	R	R	R	R	
PHASE 2 + 6	G	G	G	G	R	R	R	
PHASE 2 + 6 CHANGE	Y	Y	Y	Y	R	R	R	
PHASE 4	R	R	R	R	G	G	G	
PHASE 4 CHANGE	R	R	R	R	Y	Y	Y	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	

PROJECT DESCRIPTION

GENERAL
 THIS PROJECT INVOLVES THE INSTALLATION OF INTERSECTION LIGHTING ON THE EXISTING TRAFFIC SIGNAL STRUCTURE AT THE INTERSECTION OF MD 212 (RIGGS ROAD) AND POWDER MILL ROAD.

MD 212 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION
 THE INTERSECTION WILL CONTINUE TO OPERATE IN NEMA FOUR PHASE, SEMI-TRAFFIC-ACTUATED MODE. THE EXISTING NORTHBOUND EXCLUSIVE/PERMISSIVE LEFT TURN PHASE WILL REMAIN.

THE CONTACT PERSONS FOR DISTRICT #3 / OOTS/ ARE AS FOLLOWS:

- District #3
- Mr. Brian Young
Assistant District Engineer - Traffic
Phone: 301-513-7404
 - Mr. Augie Reblish
District Utility Engineer
Phone: 301-513-7350
 - Mr. Vernon Stinnett, Jr.
Assistant District Engineer - Maintenance
Phone: 301-513-7304
 - Mr. Kevin Nowak
Assistant District Engineer - Construction
Phone: 301-513-7336
- Office of Traffic & Safety
- Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630
 - Mr. Robert Snyder
Assistant Division Chief, Traffic Operations
410-787-7630
 - Mr. Edward Rodenhizer
Team Leader, Signal Operations
Phone: 410-787-7650

The Power Company Representative is:
 Potomac Electric Power Company
 8300 Old Marlboro Pike
 Upper Marlboro, Maryland 20772
 Phone: 301-961-5325

CONSTRUCTION DETAILS

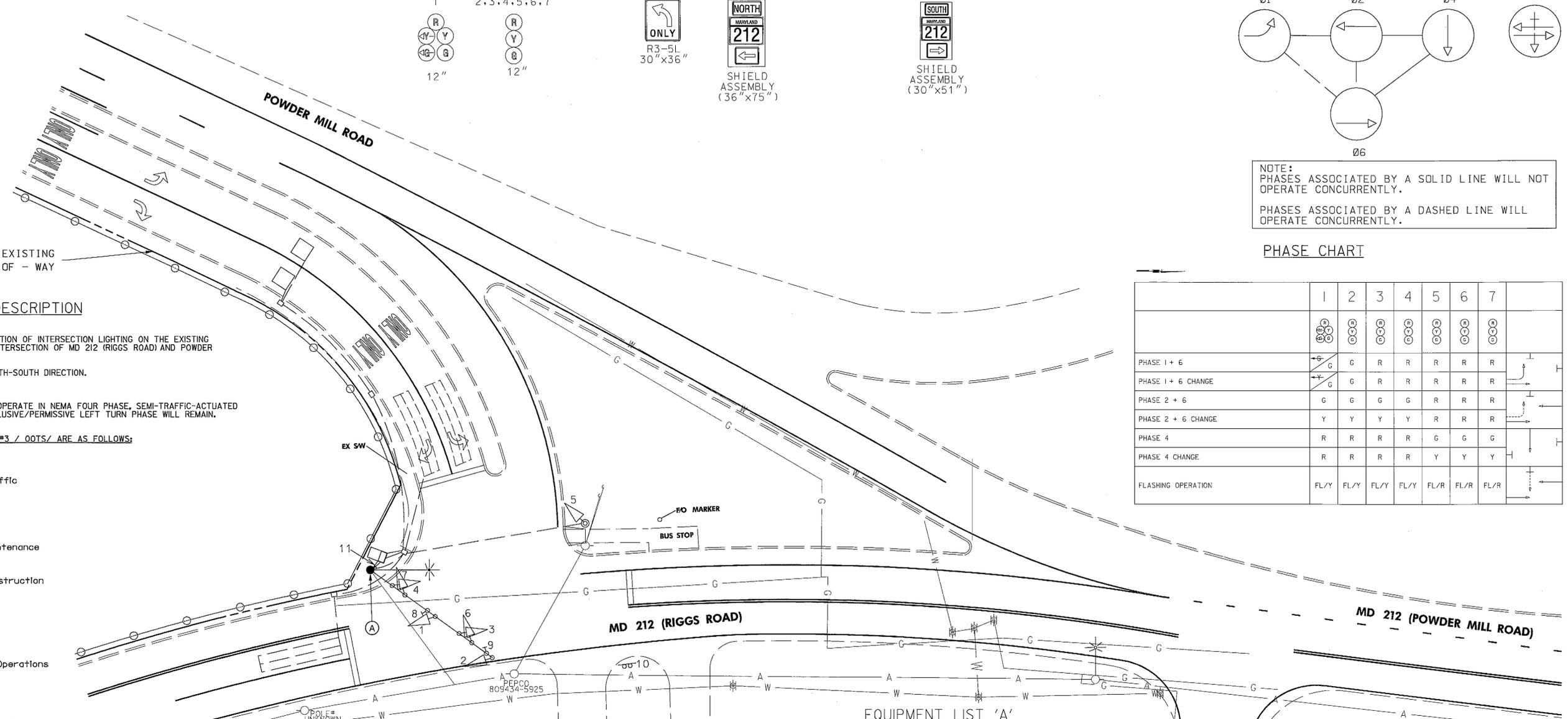
A. REMOVE EXISTING OVERHEAD SIGN AND INSTALL A 6 FOOT MAST ARM POLE EXTENSION (SHA 818.02.01) WITH 20 FOOT LIGHTING ARM AND 250 WATT HPS LUMINAIRE WITH PHOTOCELL ON EXISTING MAST ARM SIGNAL POLE. LUMINAIRE SHALL BE WIRED (FUSED AT 20 AMPS) TO EXISTING DISCONNECT SWITCH LOCATED ON SIGNAL POLE.

GENERAL NOTES

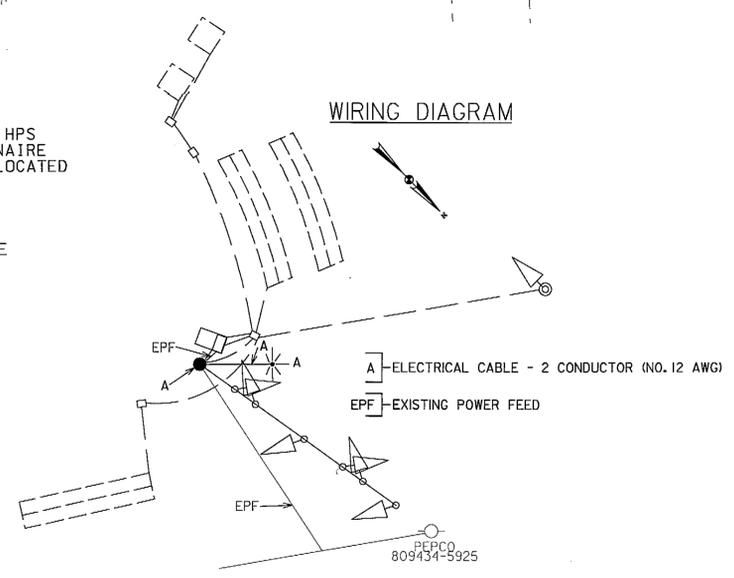
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

UTILITY LEGEND

- SD - STORM DRAIN
- G - GAS MAIN
- W - WATER MAIN
- S - SEWER MAIN
- E - ELECTRIC CABLES
- A - AERIAL CABLES
- T - TELEPHONE CABLES
- F - FIBER-OPTIC



WIRING DIAGRAM



EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NUMBER	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
1003	1 EA	MAINTENANCE OF TRAFFIC
8006	1 EA	ANY SIZE LIGHTING ARM ON SIGNAL POLE WITH 250 WATT HPS LAMP AND LUMINAIRE
8021	1 EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
8058	50 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) TC
8069	1 EA	FURNISH AND INSTALL 6 FOOT EXTENSION ON EXISTING POLE

TOD NO: XX445-20
 SHA NO: PG719A58/B58
 MD 212@ POWDER MILL RD

SHA STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 MD 212 (RIGGS ROAD) AT POWDER MILL ROAD
 HILLDALE, MD

TRAFFIC SIGNALIZATION PLAN

APPROVALS	REVISIONS	SCALE
TEAM LEADER: _____ ASST. DIV. CHIEF: _____ DIVISION CHIEF: _____ OFFICE DIRECTOR: _____	(F) INSTALL INTERSECTION LIGHTING 08-2009 CONTRACT# XX4455185 SDY [Signature] 6-05 E REVISE SIGNAL TO ADD N8 EP PHASING 6-05 CONTRACT# AT5825185 STV [Signature] D AS-BUILT P-294X-375 1-23-98 DCJ [Signature]	SCALE: 1" = 20' ADVERTISED DATE: APRIL 5, 1976 CONTRACT NO.: AW114A59-B59
DESIGNED BY: T. MANK	COUNTY: PRINCE GEORGE'S	
DRAWN BY: S. RENZI	LOGMILE: 16021205.41	
CHECKED BY: _____	TIMS NO.: J321	
F.A.P. NO.: _____	TOD NO.: _____	
TS NO.: 483F	DRAWING: SG-01 OF 01	SHEET NO.: 01 OF 01

BY: syoung2