

GENERAL NOTES

1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
4. ALL HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
5. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
6. THE SIGNAL CONTRACTOR SHALL DETERMINE IF ANY WORK BY OTHER CONTRACTORS CAN NOT BE COMPLETED UNTIL INSTALLATION OF SIGNAL EQUIPMENT IS COMPLETE. THE SIGNAL CONTRACTOR SHALL NOTIFY OTHER CONTRACTORS OF THIS WORK.
7. REFER TO SHEET TSP-04 FOR DIMENSIONS OF SIGNAL EQUIPMENT WITHIN INTERSECTION.

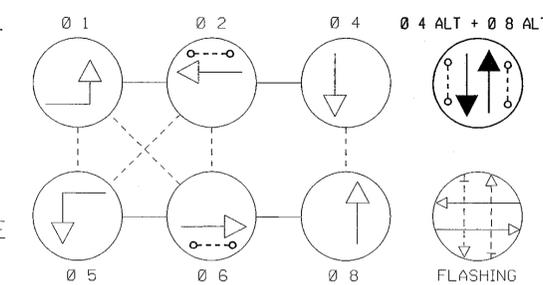
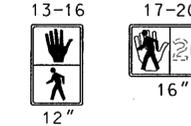
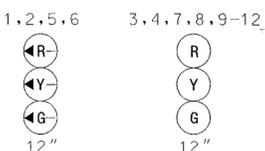
MD 4 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING OPTICOM DETECTOR

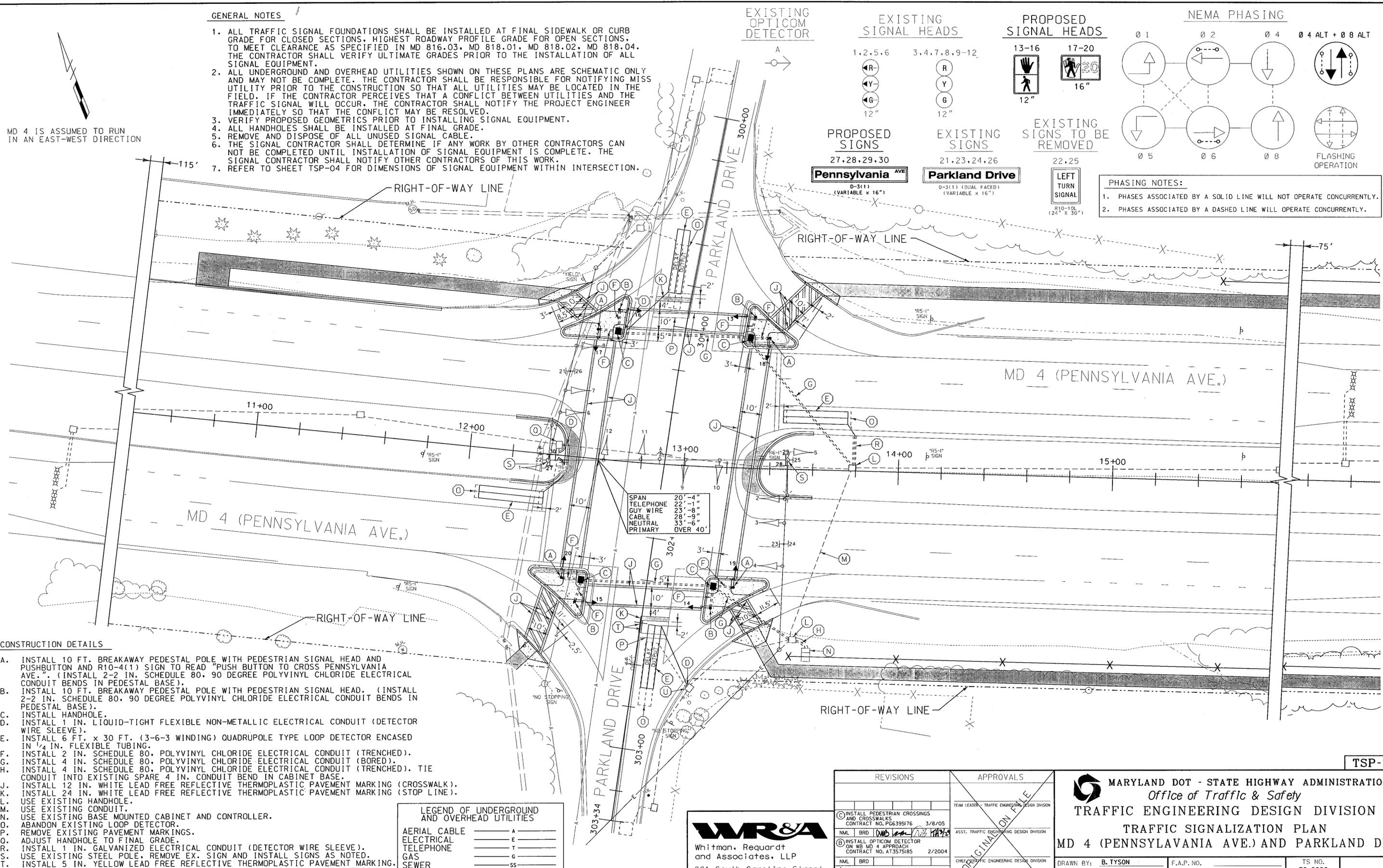
EXISTING SIGNAL HEADS

PROPOSED SIGNAL HEADS

NEMA PHASING



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

- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON AND R10-4(1) SIGN TO READ "PUSH BUTTON TO CROSS PENNSYLVANIA AVE." (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
- INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD. (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
- INSTALL HANDHOLE.
- INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- INSTALL 6 FT. x 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/2 IN. FLEXIBLE TUBING.
- INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
- INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED). TIE CONDUIT INTO EXISTING SPARE 4 IN. CONDUIT BEND IN CABINET BASE.
- INSTALL 12 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
- INSTALL 24 IN. WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
- ABANDON EXISTING LOOP DETECTOR.
- REMOVE EXISTING PAVEMENT MARKINGS.
- ADJUST HANDHOLE TO FINAL GRADE.
- INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- USE EXISTING STEEL POLE, REMOVE EX. SIGN AND INSTALL SIGNS AS NOTED.
- INSTALL 5 IN. YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING.
- USE EXISTING HANDHOLE, SPLICE NEW LOOP WIRE (NO. 14 A.W.G.) ELECTRICAL CABLE TO EXISTING 2-CONDUCTOR (NO. 14 A.W.G.) ALUMINUM SHIELDED CABLE.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV

UTILITY CROSSINGS

SPAN	20'-4"
TELEPHONE	22'-1"
GUY WIRE	23'-8"
CABLE	28'-9"
NEUTRAL	33'-6"
PRIMARY	OVER 40'

WR&A
 Whitman, Reardon and Associates, LLP
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 Baltimore, Maryland 21231
 (410) 235-3450

REVISIONS		APPROVALS	
①	INSTALL PEDESTRIAN CROSSINGS AND CROSSWALKS CONTRACT NO. PG6395176 3/8/05	TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION	
②	INSTALL OPTICOM DETECTOR ON WB MD 4 APPROACH CONTRACT NO. AT3575185 2/2004	ASST. TRAFFIC ENGINEERING DESIGN DIVISION	
③	RE-CUT LOOPS	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
EMM	S.R.	KWS	ETP
		DIRECTOR, TRAFFIC & SAFETY	

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
 Office of Traffic & Safety
 TRAFFIC ENGINEERING DESIGN DIVISION
 TRAFFIC SIGNALIZATION PLAN
 MD 4 (PENNSYLVANIA AVE.) AND PARKLAND DR.

DRAWN BY: B. TYSON
 CHECKED BY: RD
 SCALE: 1" = 20'
 DATE: 7/23/74J5

F.A.P. NO. PG6395176
 S.H.A. NO. PRINCE GEORGES
 COUNTY: PRINCE GEORGES
 LOG MILE:

TS NO. TS-982C
 T.I.M.S. NO. F825
 SHEET NO. 58 OF

TSP-1