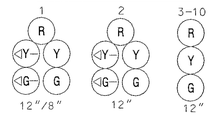
MD 174 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.

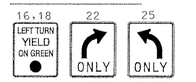
PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF CROSSWALKS PEDESTRIAN INDICATION AND PUSHBUTTONS FOR THE SOUTH AND WEST LEGS OF THE INTERSECTION.

EXISTING SIGNALS

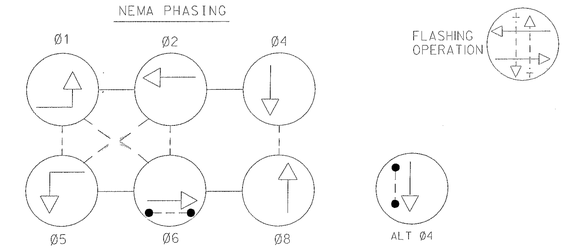


EXISTING SIGNS

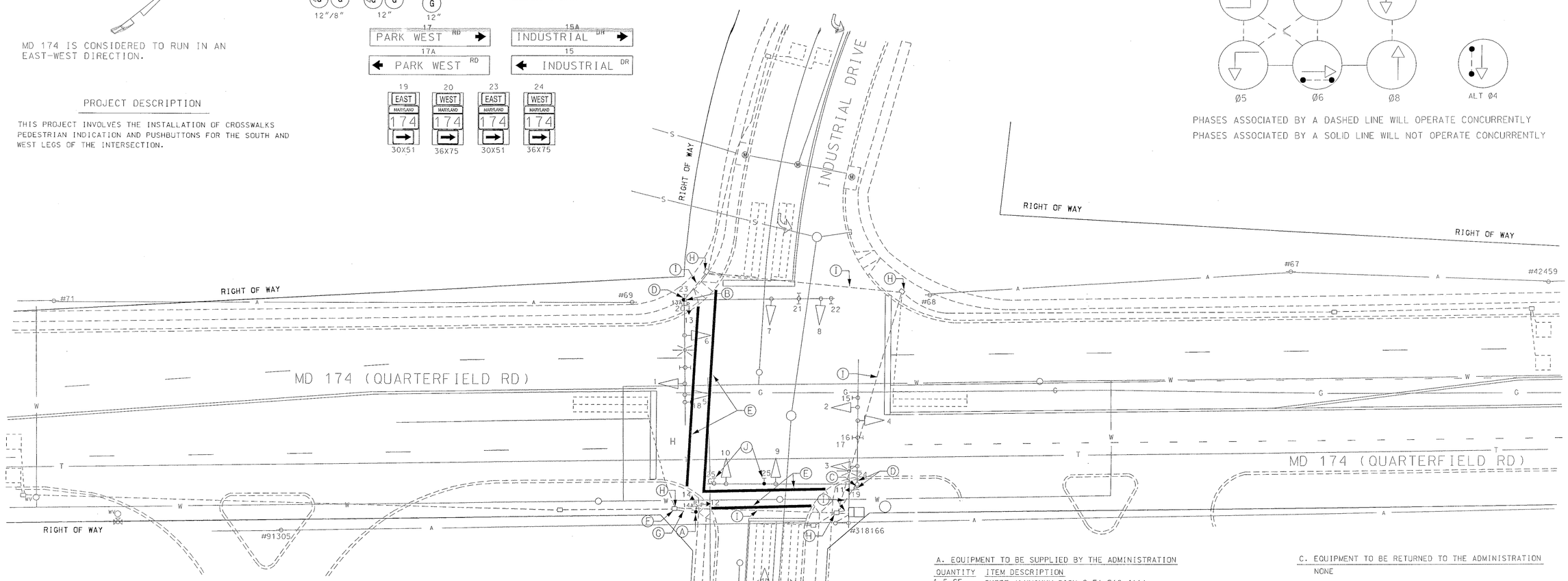


PROPOSED SIGNALS

NEMA PHASING



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. INSTALL 10' PEDESTAL POLE WITH BREAKAWAY BASE, PEDESTRIAN SIGNALS PUSHBUTTONS AND SIGNS

B. INSTALL 12" PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND SIGN ON EXISTING SIGNAL POLE

C. INSTALL PEDESTRIAN SIGNAL ON EXISTING SIGNAL POLE

D. RAISE EXISTING POLE MOUNTED SHIELD ASSEMBLY TO ALLOW FOR PEDESTRIAN SIGNAL CLEARANCE AND TURN PARALLEL TO MD 174

E. INSTALL 12" WHITE THERMOPLASTIC FOR CROSSWALK

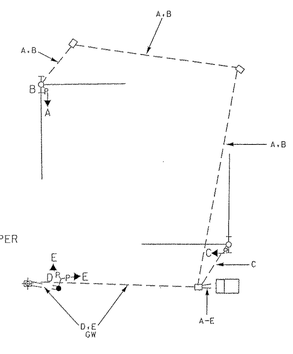
F. INSTALL GROUND ROD INTO EXISTING HANDBOX

G. INSTALL 2" SCH 80 RIGID PVC ELECTRICAL CONDUIT-TRENCHED

H. USE EXISTING HANBOX

I. USE EXISTING CONDUIT

J. RELOCATE EXISTING SIGN AS SHOWN



A,C 3-CONDUCTOR NO 14AWG
B,D 2-CONDUCTOR NO 14AWG
E 5-CONDUCTOR NO14AWG
GW #6 BARE STRANDED COPPER GROUND WIRE

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

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

QUANTITY	ITEM DESCRIPTION
1.5 SF	SHEET ALUMINUM SIGN 2 EA R10-4(1) (PUSH BUTTON TO CROSS QUARTERFIELD RD)
2 EA	PUSHBUTTON

B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR

ITEM #	QUANTITY	ITEM DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2002	1 CY	TEST PIT
5002	275 LF	FURNISH AND INSTALL 12" WHITE HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
8014	8 EA	FURNISH AND INSTALL 12" PEDESTRIAN SIGNAL HEAD SECTION
8021	1 EA	FURNISH AND INSTALL BREAKAWAY PEDESTAL POLE-ANY SIZE
8031	10 LF	FURNISH AND INSTALL 2" SCH 80 RIGID PVC ELECTRICAL CONDUIT-TRENCHED
8036	72 SF	RELOCATE EXISTING SIGN
8037	1 CY	FURNISH AND INSTALL CONCRETE FOR TRAFFIC SIGNAL FOUNDATION
8038	100 LF	FURNISH AND INSTALL #6 BARE STRANDED COPPER GROUND WIRE
8057	1 EA	FURNISH AND INSTALL GROUND ROD ¾" DIAMETER X10' LENGTH
8060	340 LF	FURNISH AND INSTALL 2-CONDUCTOR NO 14AWG ELECTRICAL CABLE
8061	550 LF	FURNISH AND INSTALL 3-CONDUCTOR NO 14AWG ELECTRICAL CABLE
8062	125 LF	FURNISH AND INSTALL 5-CONDUCTOR NO 14AWG ELECTRICAL CABLE
8066	2 EA	INSTALL PUSHBUTTON AND SIGN

C. EQUIPMENT TO BE RETURNED TO THE ADMINISTRATION

NONE

PROJECT CONTACTS

MR. ROBERT SNYDER
TRAFFIC OPERATIONS
7491 CONNELLY DRIVE
HANOVER MD 21076
410-787-7630

MR. ED RODENHIZER
SIGNAL OPERATIONS
7491 CONNELLY DRIVE
HANOVER MD 21076
410-787-7650

REVISIONS	
A	RECONSTRUCT DUE TO GEOMETRIC CHANGES-ADD NORTH LEG (WILLS AND ASSOCIATES) 6/98
JJA	
B	ADD CROSSWALKS, INDICATIONS, BUTTONS ACROSS WEST AND SOUTH LEGS 5/01 TIMS# E523
CJS	

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

ORIGINALS ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 174 (QUARTERFIELD RD) @ PARK WEST RD/ INDUSTRIAL DRIVE

DRAWN BY: KGA	F.A.P. NO.		TS NO. 1908-B
CHECKED BY: B. THOMPSON	S.H.A. NO.	23854T250 2852	SHEET NO.
SCALE: 1:20	COUNTY:	ANNE ARUNDEL	T.I.M.S. NO. N/A
DATE: 8/31/77	LOG MILE:	02017402.19	1 OF 1