DRILL HOLES

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BORDER REV. DATE: June 1, 2004

MD 174 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION

EXISTING SIGNS

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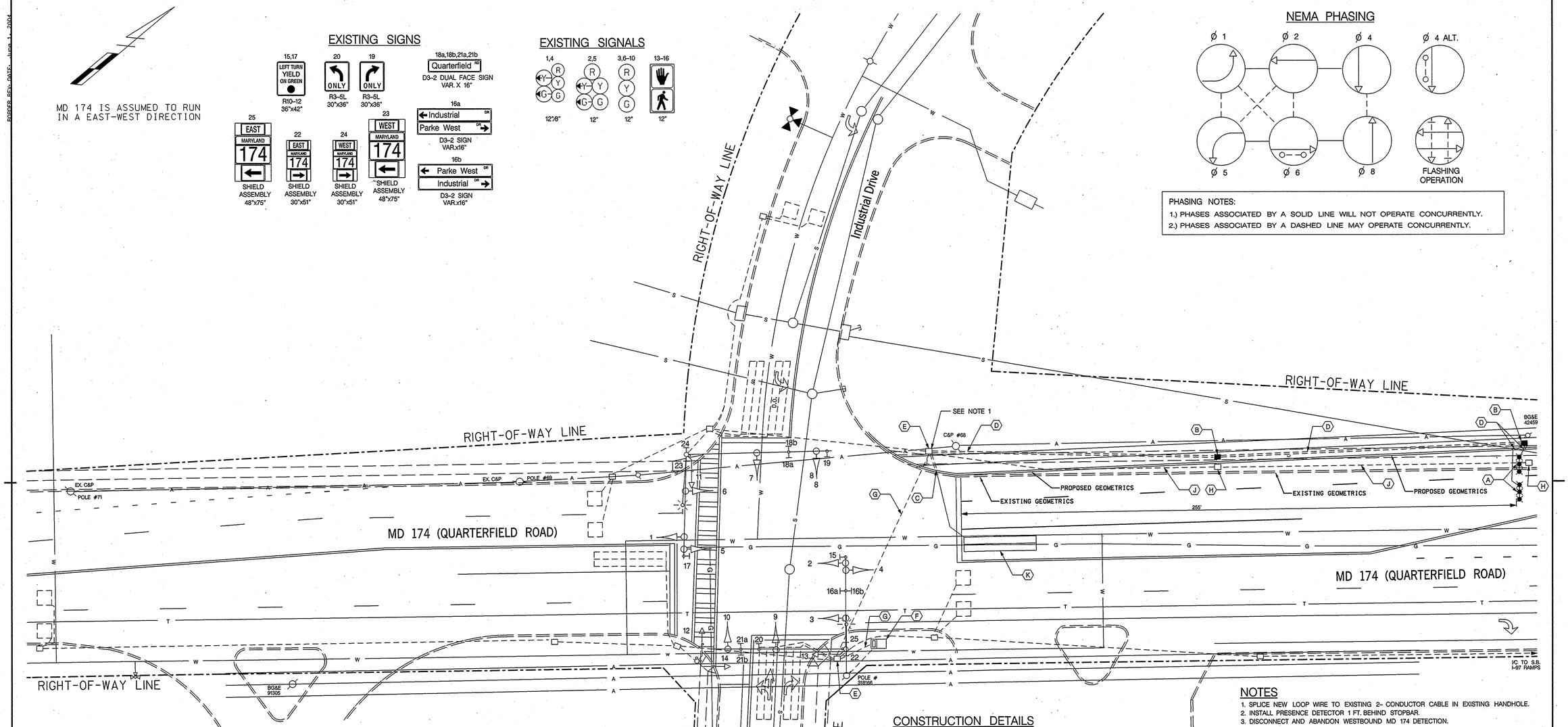
NEMA PHASING

PHASING NOTES:

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



NOTES

1. SPLICE NEW LOOP WIRE TO EXISTING 2- CONDUCTOR CABLE IN EXISTING HANDHOLE.
2. INSTALL PRESENCE DETECTOR 1 FT. BEHIND STOPBAR.
3. DISCONNECT AND ABANDON WESTBOUND MD 174 DETECTION.

CONSTRUCTION DETAILS

A. INSTALL MICROLOOP PROBE
B. INSTALL HANDHOLE
C. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE, NON-METALLIC CONDUIT (DETECTOR SLEEVE) ONE PER DETECTOR
D. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT – TRENCHED
E. USE EXISTING HANDHOLE
F. USE EXISTING BASE MOUNTED CABINET
G. USE EXISTING CONDUIT
H. REMOVE EXISTING HANDHOLE
J. CAP AND ABANDON EXISTING CONDUIT
K. INSTALL 6 FT. X 30 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3) QUADRUPOLE TYPE

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 174 AND PARKE WEST DRIVE /INDUSTRIAL DRIVE IN ANNE ARUNDEL COUNTY. MD 174 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES AS A NEMA SIX-PHASE, FULLY-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR THE MD 174 APPROACHES AND CONCURRENT SIDE STREET PHASING. THIS PHASING WILL NOT CHANGE.

PROJECT CONSTRUCTION

WORK WILL INCLUDE REPLACING THE DETECTION FOR WESTBOUND MD 174.

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
1 EA	MAINTENANCE OF TRAFFIC
LS	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
275 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 CONDUIT – TRENCHED
15 LF	FURNISH AND INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE, NON-METALLIC CONDUIT DETECTOR SLEEVE
170 EA	FURNISH AND INSTALL SAWCUT
2 EA	FURNISH AND INSTALL MICRO-LOOP PROBE WITH 500 FT. LEAD-IN
2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
480 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN 1/4 IN. FLEXIBLE TUBING

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APPROVALS	
TEAM LEADER	ORIGINAL ON FILE
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS		
C	REPLACE WESTBOUND MD 174 DETECTION	206
TZ		
B	RECONSTRUCT SIGNAL DUE TO 502 GEOMETRIC IMPROVEMENTS WIDEN EB MD 174 (SHA NO. AA6295171)	
A	RECONSTRUCT SIGNAL DUE TO 698 GEOMETRIC IMPROVEMENTS ADD NORTH LEG	

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN

MD 174 (QUARTERFIELD ROAD) AT PARKE WEST DRIVE / INDUSTRIAL DRIVE

SCALE	1" = 20'	DATE	2-21-06
CONTRACT NO.			
DESIGNED BY		COUNTY	ANNE ARUNDEL
DRAWN BY	K G A	LOGMILE	02017402.19
CHECKED BY	B. THOMPSON	T.I.M.S. NO.	H923
F.A.P. NO.	NA	TOD NO.	
DRAWING NO.	1908 C	SHEET NO.	1 OF