EXISTING SIGNS TO BE REMOVED

16, 17, 18 — R10-12 LEFT TURN YIELD ON GREEN (36" x 42")

24A — R10-4(1) PUSH BUTTON TO CROSS PHILADELPHIA ROAD (9" x 12")

PROPOSED SIGNS

23 — R10-3(1) PUSH BUTTON TO CROSS PHILADELPHIA ROAD (9" x 15")

24 — R10-3(1) PUSH BUTTON TO CROSS PHILADELPHIA ROAD (9" x 15")

EXISTING SIGNS

20 — R3-5L ONLY EXCEPT TRANSIT VEHICLES (30" x 36")

21, 22 — R3-5L ONLY (30" x 36")

15 — ← Fontana Lane

19 — Fontana Lane →

D-3(1) (DUAL FACED) (VARIABLE x 16")

MD 7 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING VIDEO DETECTION CAMERA

a, b, c, d

EXISTING SIGNAL HEADS TO BE REMOVED

1A, 2A, 4A, 5A — 12"

3A, 6A–12A — 12"

13A, 14A — 12"

PROPOSED SIGNAL HEADS (LED)

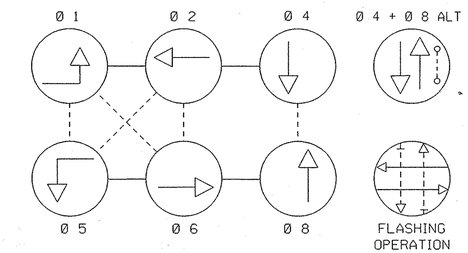
1, 2, 4, 5 — 12"

3, 6–12 — 12"

13, 14 — 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

VIDEO DETECTION ZONE

NEMA PHASING

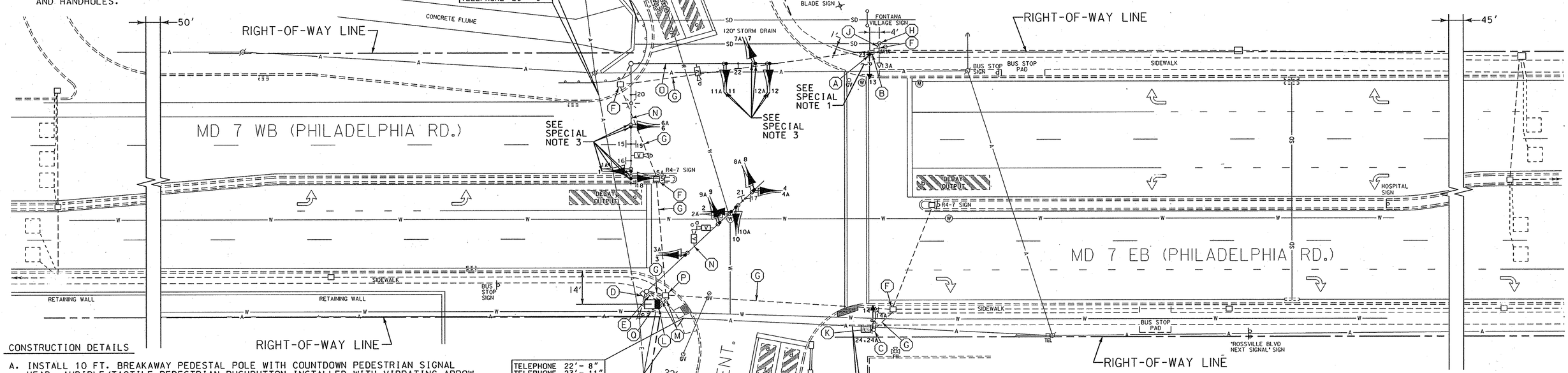


PHASING NOTES:

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

GENERAL NOTES

1. 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.
2. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE FROM EXISTING CONDUITS AND HANDHOLES.



CONSTRUCTION DETAILS

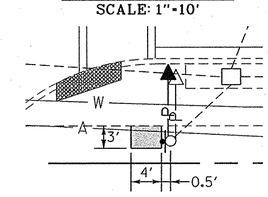
A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS PHILADELPHIA ROAD.". (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
B. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
C. USE EXISTING PEDESTAL POLE AND REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND R10-4(1) SIGN AND INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/ TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT AND R10-3(11) SIGN. (SIGN TO READ: "PUSH BUTTON TO CROSS PHILADELPHIA ROAD.".
D. USE EXISTING STEEL POLE. REMOVE EXISTING POLE MOUNTED CABINET AND CONTROLLER. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET.
E. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CONDUIT SHALL TIE INTO BOTTOM OF EXISTING DISCONNECT SWITCH.
F. USE EXISTING HANDHOLE.
G. USE EXISTING CONDUIT.
H. REMOVE EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND R10-4(1) SIGN. REMOVE FOUNDATION 12 IN. BELOW GRADE.
J. CAP AND ABANDON EXISTING CONDUIT.
K. INSTALL CONCRETE SIDEWALK.
L. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
M. REMOVE EXISTING SIDEWALK. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) AND REPLACE 4 IN. CONCRETE SIDEWALK.
N. USE EXISTING MAST ARM. REMOVE EXISTING SIGNAL HEADS AND SIGN(S) AND INSTALL NEW SIGNAL HEADS AS SHOWN.
O. USE EXISTING MAST ARM. REMOVE EXISTING SIGNAL HEADS AND INSTALL NEW SIGNAL HEADS AS SHOWN.
P. USE EXISTING HANDHOLE. DISCONNECT AND PULL BACK EXISTING INTERCONNECT CABLES, SIGNAL CABLES, VIDEO CAMERA CABLES AND LOOPWIRES FROM EXISTING POLE MOUNTED CABINET AND CONTROLLER AND RE-FEED IN NEW CONDUIT TO PROPOSED BASE MOUNTED CABINET.
Q. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT AT POLE BASE FOR USE BY OTHERS.

SPECIAL NOTES:

1. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES AND CONDUIT. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.
2. THE TACTILE ARROWS FOR THE AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED PARALLEL TO THE CROSSWALK FOR WHICH THEY APPLY.
3. DISCONNECT EXISTING ELECTRICAL CABLE FROM EXISTING SIGNAL HEADS TO BE REMOVED AND RE-CONNECT TO PROPOSED SIGNAL HEADS. ANY SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.

DIMENSION DIAGRAM

SCALE: 1"=10'



TOD No.: AT782-38
SHA No.: BA563A54/B54

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

WR&A
Whitman, Requardt and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

REVISIONS					APPROVALS
D INTALL NEW BASE MOUNTED CABINET, LED SIGNAL HEADS AND ADD APS. SHA. NO. AT782S185 6/23/2006					TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION
SRB	NML		I7		
C MODIFY SIGNAL TO INCLUDE VIDEO DETECTION 3/2004					ASST. TRAFFIC ENGINEERING DESIGN DIVISION
WM					
B REVISED SIGNAL PLANS DUE TO UNDERGROUND UTILITIES 2/1992					CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DSR					
					DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 7 & FONTANA LANE/GOLDEN RING PLAZA

DRAWN BY:	W. MALCOLM	F.A.P. NO.		TS NO. 3174 D	SHEET NO.
CHECKED BY:		S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. H303	1 OF 2
DATE:	11/91	LOG MILE:	03000702.83		

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