MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS

23,24,29, 30,36,37 — R3-5L (30" X 36")

25,31,38

26,32 — R3-5R (MOD.) (30" X 36") BLANKOUT SIGN

27,33 — R3-5R (30" X 36")

EXISTING VIDEO DETECTION CAMERA

A-H

EXISTING SIGNAL HEADS

1,2,5,6 — R, Y, G, ◄G — 12"

3,4,7,9,11, 12,14,16 — R, Y, G — 12"

8,10 — ◄R, ◄Y, ◄G — 12"

13,15 — R, Y, G, ◄G — 12"

17-22 — 12"

NEMA PHASING

Ø 1, Ø 2, Ø 3, Ø 4, Ø 4 ALT

Ø 5, Ø 6 LAG LEFT

FLASHING OPERATION

PHASING NOTES:

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

PROPOSED SIGNS

28,39 — PUSH BUTTON TO CROSS FREDERICK ROAD / START CROSSING WATCH FOR TURNING CARS / DON'T START CROSSING IF "8" STARTED / PEDESTRIANS SHOULD NOT BE IN CROSSWALK — R10-4 (9" X 12")

40 — Shady Grove RD 16400>

41 — Shady Grove RD <16400 — D-3(2) (DUAL FACED) (VARIABLE x 16")

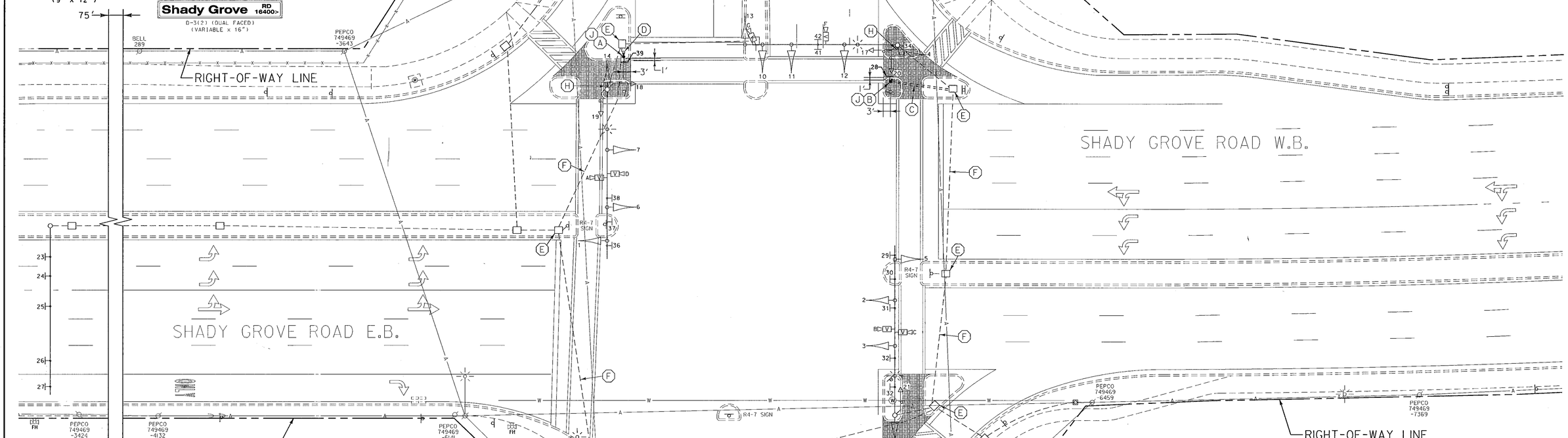
42 — Shady Grove RD <16400

44 — Shady Grove RD 16400> — D-3(2) (DUAL FACED) (VARIABLE x 16")

35 — NORTH MARYLAND 355 — ASSOCIATED SHIELD ASSEMBLY (24" X 5")

36 — SOUTH MARYLAND 355 — ASSOCIATED SHIELD ASSEMBLY (36" X 75")

43 — LEFT TURN YIELD ON GREEN — R10-12 (36" X 42")



CONSTRUCTION DETAILS

A. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PUSHBUTTON AND R10-4(1) SIGN (SIGN TO READ: "PUSH BUTTON TO CROSS FREDERICK ROAD"). THE POLE SHALL BE CUT ABOVE THE R10-4(1) SIGN. (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
B. REMOVE EXISTING BRICK MEDIAN. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PUSHBUTTON AND R10-4(1) SIGN (SIGN TO READ: "PUSH BUTTON TO CROSS FREDERICK ROAD")AND RESET BRICK MEDIAN. THE POLE SHALL BE CUT ABOVE THE R10-4(1) SIGN. THE CONTRACTOR SHALL USE CAUTION WHEN INSTALLING PIPE TO AVOID DAMAGE TO EXISTING BRICKS. (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
C. REMOVE EXISTING BRICK SIDEWALK. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) AND RESET BRICK SIDEWALK. THE CONTRACTOR SHALL USE CAUTION WHEN INSTALLING CONDUIT TO AVOID DAMAGE TO EXISTING BRICKS.
D. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
E. USE EXISTING HANDHOLE.
F. USE EXISTING CONDUIT.
G. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
H. REMOVE EXISTING PUSHBUTTON (COVER EXISTING DRILLED HOLE FOR WIRING) AND R10-4(1) SIGN MOUNTED ON STEEL POLE.
J. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.

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. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
3. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE (PUSHBUTTON CABLE).
4. CALL MONTGOMERY COUNTY TRANSPORTATION MANAGEMENT CENTER (TMC) 72 HOURS PRIOR TO ANY DIGGING TO MARK THE EXISTING TRAFFIC SIGNAL EQUIPMENT.

SHA# MD409A53/B53 TOD# AT582-10

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

B	ADDED ADA COMPLIANT PEDESTRIAN PUSHBUTTONS CONTRACT NO. AT5825185	7/13/04	
SRB	NML		RRK
A	REBUILD TRAFFIC SIGNAL		

APPROVALS

ORIGINAL ON FILE

TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 355 (FREDERICK RD) & SHADY GROVE RD
GAITHERSBURG, MARYLAND

DRAWN BY:	E. SIMMERS	F.A.P. NO.	
CHECKED BY:	S. RENZI	S.H.A. NO.	
SCALE:	1" = 20'	COUNTY:	MONTGOMERY
DATE:	10-19-87	LOG MILE:	1503551 2.73

TS NO. 2382B
T.I.M.S. NO. F739
SHEET NO. 1 OF 2

M:\20008\md355&ShadyGrove\f739gp01.dgn