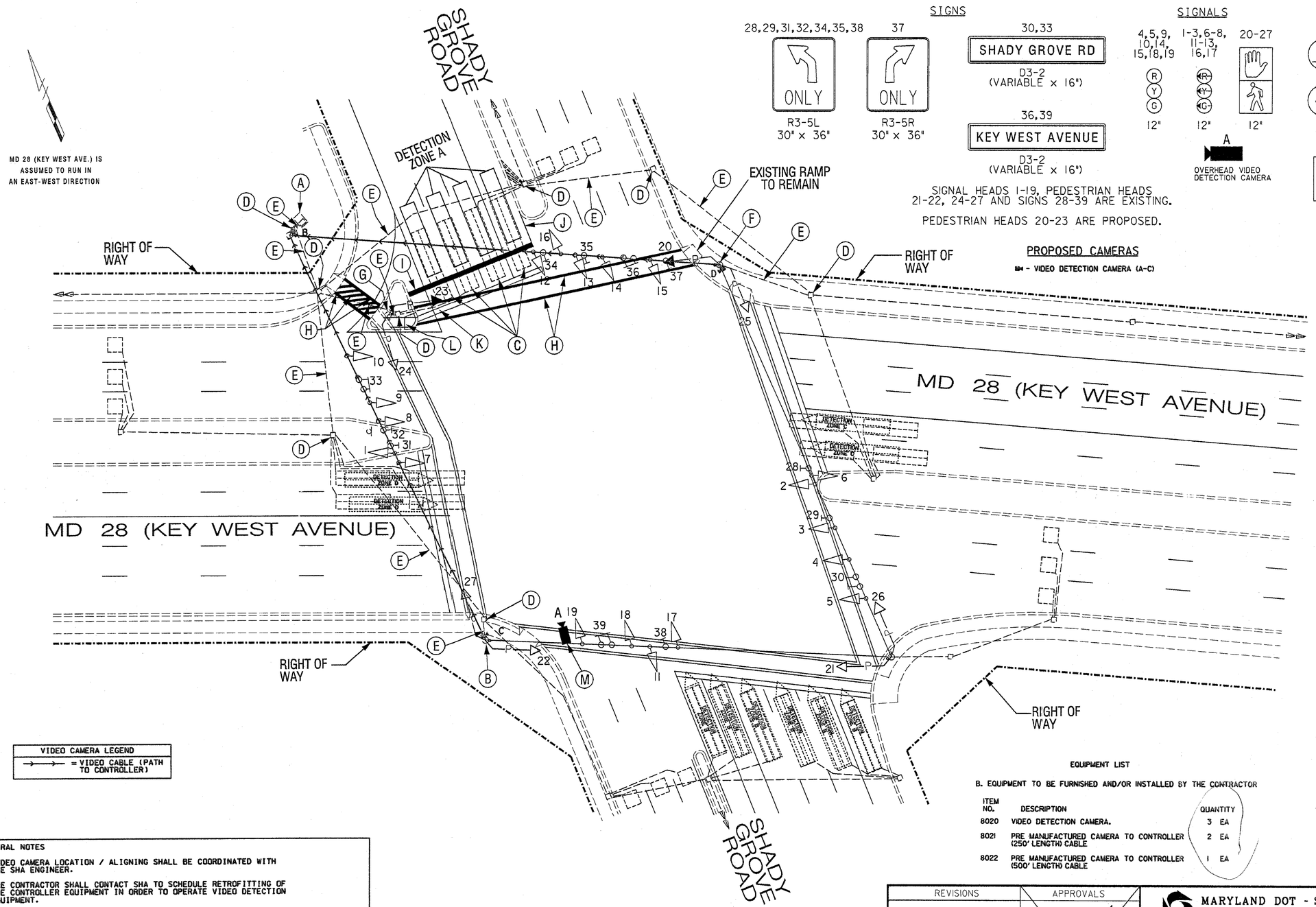

SIGNS

28,29,31,32,34,35,38 — ONLY — R3-5L 30" x 36"

37 — ONLY — R3-5R 30" x 36"

30,33 — SHADY GROVE RD — D3-2 (VARIABLE x 16")

36,39 — KEY WEST AVENUE — D3-2 (VARIABLE x 16")

SIGNAL HEADS 1-19, PEDESTRIAN HEADS 21-22, 24-27 AND SIGNS 28-39 ARE EXISTING.

PEDESTRIAN HEADS 20-23 ARE PROPOSED.

SIGNALS

4,5,9, 10,14, 15,18,19 — R Y G — 12"

1-3,6-8, 11-13, 16,17 — R Y G — 12"

20-27 — 12"

A — OVERHEAD VIDEO DETECTION CAMERA

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8

FLASHING OPERATION

PHASING NOTES:

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

PROPOSED CAMERAS

A - VIDEO DETECTION CAMERA (A-C)

VIDEO CAMERA LEGEND

→→ = VIDEO CABLE (PATH TO CONTROLLER)

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	—A——A—
ELECTRIC	—E——E—
TELEPHONE	—T——T—
GAS	—G——G—
SEWER	—S——S—
WATER	—W——W—
CABLE TV	—TV——TV—

EQUIPMENT LIST

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

ITEM NO.	DESCRIPTION	QUANTITY
8020	VIDEO DETECTION CAMERA.	3 EA
8021	PRE MANUFACTURED CAMERA TO CONTROLLER (250' LENGTH) CABLE	2 EA
8022	PRE MANUFACTURED CAMERA TO CONTROLLER (500' LENGTH) CABLE	1 EA

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL VIDEO DETECTION CAMERA CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE SO THAT SHA FORCES CAN MAKE THE FINAL CONNECTIONS.
4. THE INSTALLATION OF PROPOSED VIDEO DETECTION EQUIPMENT SHALL NECESSITATE THE REMOVAL OF EXISTING CABLES ASSOCIATED WITH THE PRESENCE LOOP DETECTORS BEING REPLACED BY VIDEO DETECTION.
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
6. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.

TS-1

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Glen Burnie, MD 21061
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4687J.DGN

REVISIONS				APPROVALS
H	REPLACE LOOP DETECTION WITH VIDEO CAMERAS	8/2004	SHA NO. M0717.51.85	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
JA				ASST. DISTRICT ENGINEER, TRAFFIC
G	REPLACE MAINLINE SIGNAL HEADS WITH BLACKPACKED AND INSTALL STREET LIGHTING AND NEAR SIDE SIGNAL HEADS	6/2004	CONTRACT #ST2885165	
MD				CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
F	ADD PEDESTRIAN HEADS TO N. LEG OF INTERSECTION (SHADY GROVE ROAD) CONTRACT #M09355188	JANUARY, 2003		DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
Traffic Signal Plan
MD 28 (KEY WEST AVENUE) AT SHADY GROVE ROAD

DRAWN BY:	T.E.L.	F.A.P. NO.	N/A	TS NO.	1189 H
CHECKED BY:	B.C.M.	S.H.A. NO.	BW-426-802-312		
SCALE:	1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO.	G580
DATE:	APRIL, 1991	LOG MILE:	15R02801.34	SHEET NO.	1 OF 2

SHA#: MD717A02/002 TCD#: MD717-01

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