EXISTING SIGNS

18,19 — LEFT TURN YIELD ON GREEN — R10-12 36"x 42"

25 — ONLY — R3-5R 30" x 36"

28 — EAST / MARYLAND 28 — M3-2, M1-5, M6-1 — ASSOCIATED SHIELD ASSEMBLY

24 — WEST / MARYLAND 28 — M3-4, M1-5, M6-1 — ASSOCIATED SHIELD ASSEMBLY

29 — RIGHT LANE MUST TURN RIGHT AT RESEARCH BLVD — R3-7(X)(R) 30" x 42"

20 ⇦ Hurley AVE | 21 Hurley AVE ⇨ — D3-2 (DUAL-FACED) VARIABLE x 16"

23 — EAST / MARYLAND 28 — M3-2, M1-5, M6-1 — ASSOCIATED SHIELD ASSEMBLY

27 — WEST / MARYLAND 28 — M3-4, M1-5, M6-1 — ASSOCIATED SHIELD ASSEMBLY

22A W. Montgomery AVE <1400 | 22B W. Montgomery AVE 1400> — D3-2 (DUAL-FACED) VARIABLE x 16"

26A W. Montgomery AVE 1300> | 26B W. Montgomery AVE <1300 — D3-2 (DUAL-FACED) VARIABLE x 16"

MD 28 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNALS

1 — R 8", Y 8", G 8", 12"

2 — R, Y, G, 12"

3,4,5,6,7,8,9,10,12,13 — R, Y, G, 12"

11 — R, Y, G, 12"

14-17 — 12"

PHASING

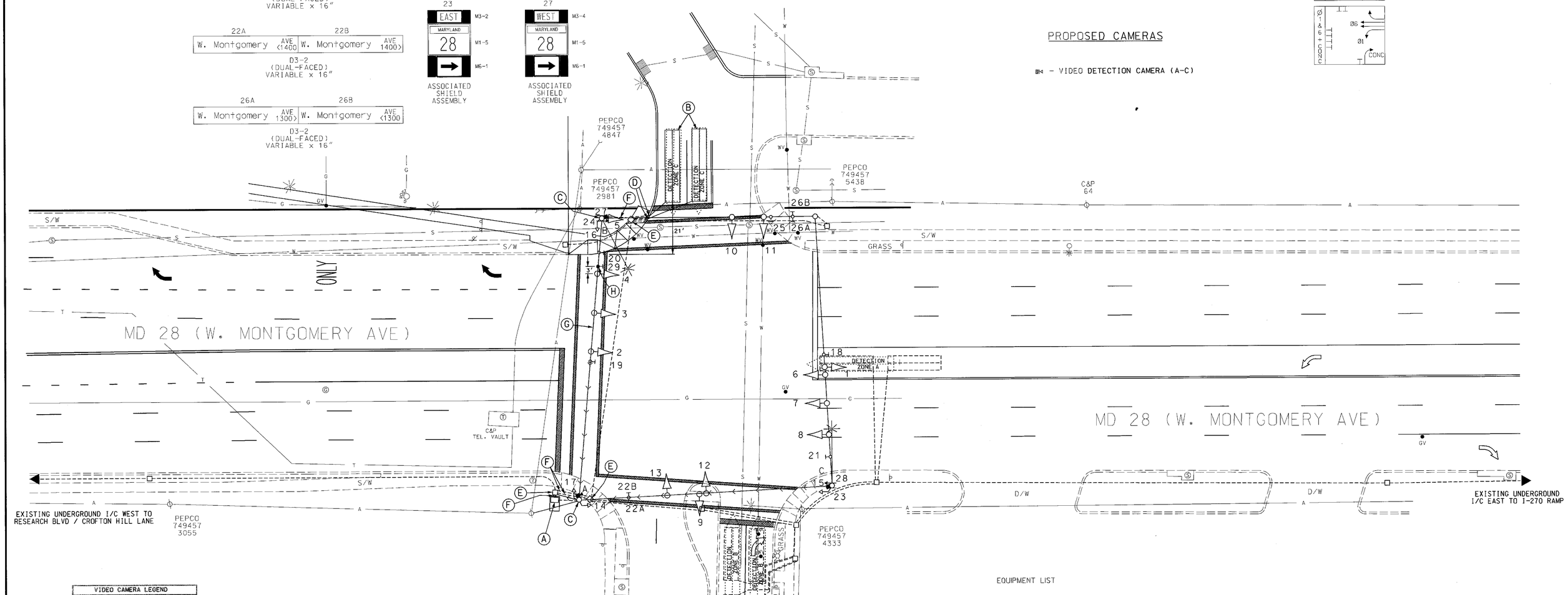
NORTH

Ø2 PED

CONC

PROPOSED CAMERAS

⊠ – VIDEO DETECTION CAMERA (A-C)



VIDEO CAMERA LEGEND

⊠ VIDEO CABLE (PATH TO CONTROLLER)

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.

EQUIPMENT LIST

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

ITEM NO.	DESCRIPTION	QUANTITY
8020	VIDEO DETECTION CAMERA.	4 EA
8021	PRE MANUFACTURED CAMERA TO CONTROLLER (250' LENGTH) CABLE	3 EA
8022	PRE MANUFACTURED CAMERA TO CONTROLLER (500' LENGTH) CABLE	1 EA

GEOMETRIC LEGEND

PROPOSED
EXISTING

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 —

STREET TRAFFIC STUDIES, LTD.
4200 Crain Hwy. NW.
Glen Burnie, MD 21061
(410) 590-5500
Fax (410) 590-6697

4687N.dgn

REVISIONS				
(E) REPLACE LOOP DETECTION WITH VIDEO CAMERAS TIMS G 580 SHA NO.: M07175185				8/2004
JA				
(D) 10-17-02 ADD DETECTION DUE TO GEOMETRIC IMPROVEMENTS. REVISE PM'S SHA NO.: M996M82				
RRZ				
C RECONSTRUCTION DUE TO ROAD WIDENING SHA NO.: M 420-501-377				
MM				
B 6-17-82 NEW LOOPS AND CONTROL, TBC SHA NO.: M 420-501-377				
SR				

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 28 (W. MONTGOMERY AVE)
AND HURLEY AVE

SHA#: M07175A02/B02 TOD#: M07117-01

DRAWN BY: J GORDON	F.A.P. NO.	TS NO. 858 D	SHEET NO.
CHECKED BY:	S.H.A. NO.		2 OF 5
SCALE: 1"= 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. G 580	
DATE: 2-7-73	LOG MILE: 15002820.48		

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