DRILL HOLES

BORDER REV. DATE: June 1, 2004

EXISTING SIGNS

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

19,20 — LEFT TURN YIELD ON GREEN — R10-12 36"x 42"

26 — ONLY — R3-5R 30" x 36"

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

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

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

18b,22a — Hurley AVE
18a,22b — Hurley AVE
D3-2 (DUAL-FACED) VARIABLE x 16"

23a — W Montgomery AVE <1400
23b — W Montgomery AVE 1400>
D3-2 (DUAL-FACED) VARIABLE x 16"

27a — W Montgomery AVE 1300>
27b — W Montgomery AVE <1300
D3-2 (DUAL-FACED) VARIABLE x 16"

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

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

PUSH BUTTON TO CROSS MONTGOMERY RD
START CROSSING WATCH FOR TURNING CARS
DON'T START FIRST WAIT FOR WALK TO STARTED
PEDESTRIANS SHOULD NOT BE IN CROSSWALK
R10-4C 9" x 12"

EXISTING SIGNALS

1,2,3,6,7,8,9,10,12,13 — R Y G — 12"

4 — R Y G, 12" Y, 12" G, 8" R, 8" Y, 8" G

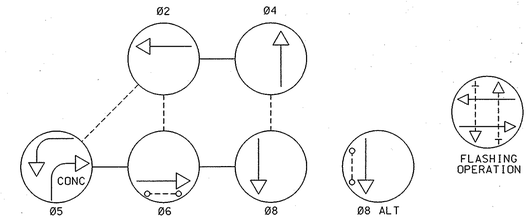
5 — R Y G, 12" Y, 12" G

11 — R Y G, 12" Y, 12" G

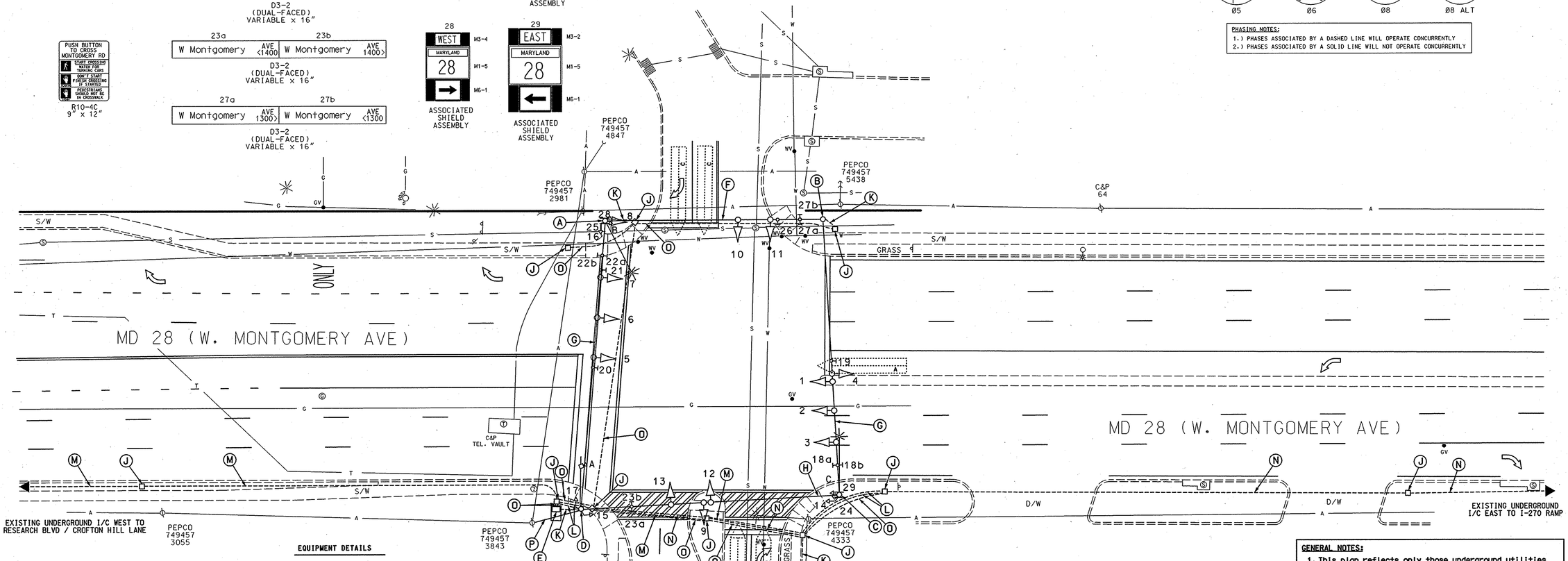
14-17 — 12"

VIDEO DETECTION CAMERA (A-C)

NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



EQUIPMENT DETAILS

A. 12" x 30' steel strain pole, 20' lighting arm with a 250W-HPS luminare,video detection camera, signal head, signs, pedestrian signal head, pushbutton with pedestrian education sign and 1-2" weatherhead. (Note: 1-2", 90° polyvinyl chloride (Schedule 80) bend.)

B. 12" x 30' steel strain pole. (Note: 1-2", 90° polyvinyl chloride (Schedule 80) bend.)

C. 12" x 30' steel strain pole, 20' lighting arm with a 250W-HPS luminare,video detection camera, signs, pedestrian signal head and 1-2" weatherhead. (Note: 1-2", 90° polyvinyl chloride (Schedule 80) bend.)

D. 12" x 30' steel strain pole, 20' lighting arm with a video detection camera, pedestrign signal heads, pushbutton with pedestrian education sign, meter and disconnect switch and 2-3" weatherheads. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

E. NEMA size "6" base-mounted cabinet and controller with all necessary equipment. (Note: 1-2", 90° polyvinyl chloride (Schedule 80) bends, 1-3", 90° polyvinyl chloride (Schedule 80) bend and 2-4", 90° polyvinyl chloride (Schedule 80) bends.

F. 3/8" steel span wire, traffic signal heads and signs. (Note: Signal head #11 and sign #26 are tethered using 1/4" tether wire).

G. 3/8" steel span wire, traffic signal heads and signs.

H. 3/8" steel span wire, traffic signal heads and sign.

J. Handhole.

K. 2" polyvinyl chloride electrical conduit (Schedule 80).

L. 2" galvanized steel electrical conduit.

M. 3" polyvinyl chloride electrical conduit (Schedule 80).

N. 3" galvanized steel electrical conduit.

O. 4" polyvinyl chloride electrical conduit (Schedule 80).

P. Existing overhead electrical service to be maintained by PEPCO.

GENERAL NOTES:
1. This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and the plan should not be construed as representing all underground utilities in the area.
2. Any modification to this subject signal should be preceded by a thorough identification of all existing utilities.

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

"ASBUILT"
STREET TRAFFIC STUDIES, LTD.
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Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637
4898a.dgn D6-44

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

REVISIONS	
P	1-9-06 ASBUILT SHA NO.:BCS 2001-04F (AT670821) RRZ
E	6/2004 REPLACE LOOP DETECTION WITH VIDEO CAMERAS SHA NO.:1M07175185 JA
D	10-17-02 ADD DETECTION DUE TO GEOMETRIC IMPROVEMENTS; REVISE PM'S SHA NO.:1M9969M02 RRZ

PLOTTED: @DATETIME@
FILE: @FILE@

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 28 (W. MONTGOMERY AVE) AND HURLEY AVE

SCALE 1"= 20'	DATE 2-7-73	CONTRACT NO.	
DESIGNED BY J GORDON		COUNTY MONTGOMERY	
DRAWN BY		LOGMILE 15002820.48	
CHECKED BY		TIMS NO. G580	
F.A.P. NO.		TOD NO.	
TS NO. 858E	DRAWING NO. 1 OF 1	SHEET NO. OF	

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