DRILL HOLES

BORDER REV. DATE: June 1, 2004

EXISTING SIGNS

24 — Omega Dr / Medical Center Dr — D-3(I) 32" x Var.

27 — Medical Center Dr / Omega Dr — D-3(I) 32" x Var.

30,32 — Key West Av — D -3(I) 16" x Var.

23,25, 26,29,31 — ONLY — R 3-5(L) 30" x 36"

22 — D9-2 24" x 24"

28 — YIELD — R1-2 36" x 36" x 36"

PUSH BUTTON FOR WALK SIGNAL

MD 28 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.

EXISTING SIGNALS

3,4,8, 9-15 — R, Y, G — 12"

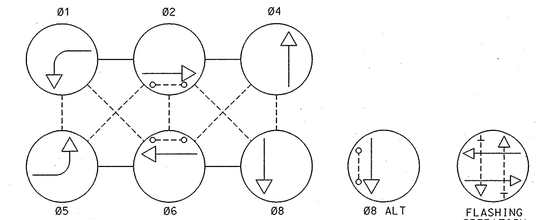
1,2,5, 6,7 — R, Y, G — 12"

16-21 — 12"

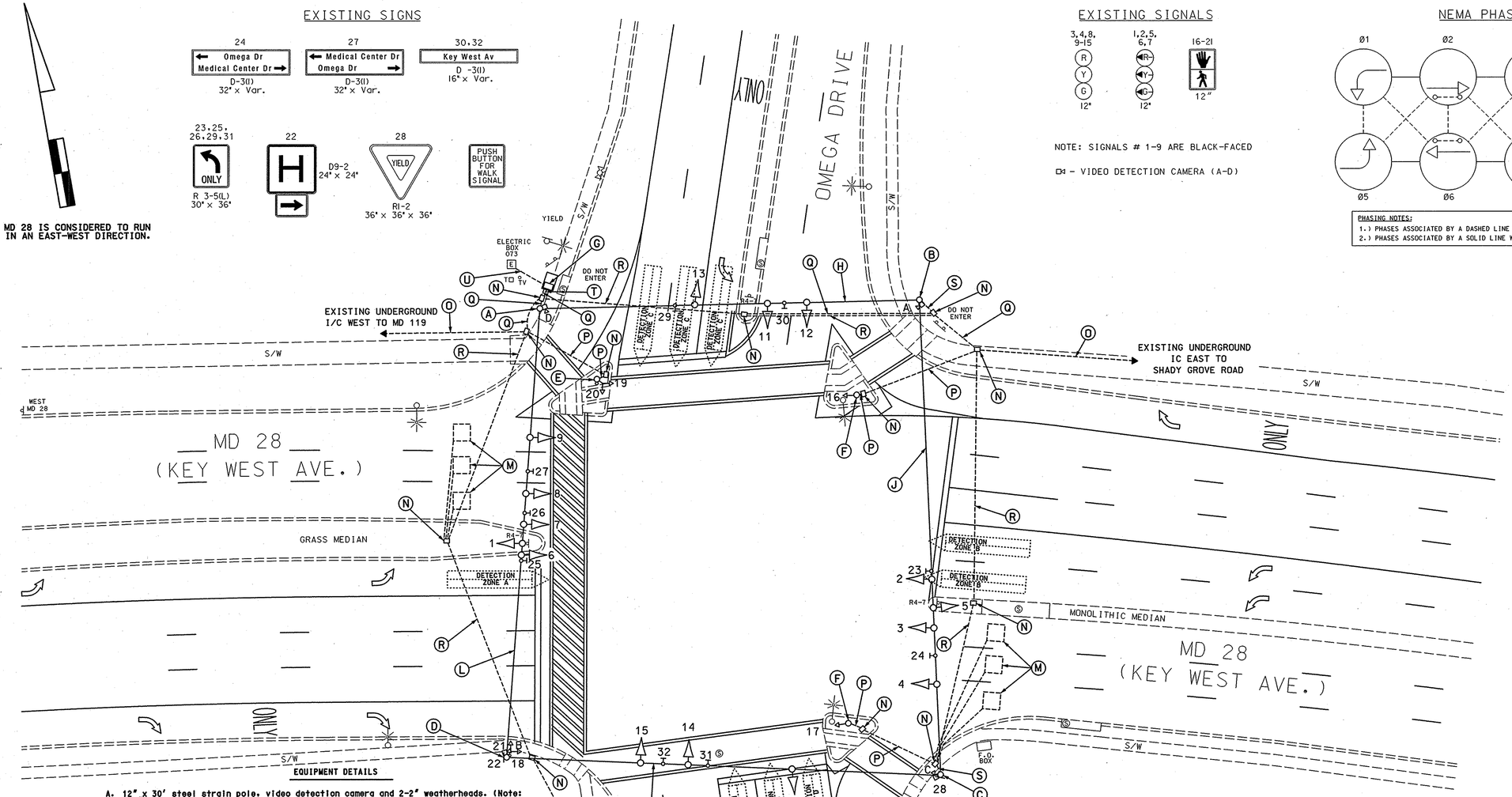
NOTE: SIGNALS # 1-9 ARE BLACK-FACED

□4 - VIDEO DETECTION CAMERA (A-D)

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, video detection camera and 2-2" weatherheads. (Note: 1-2", 90°polyvinyl chloride (Schedule 80) bend.)

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

C. 12" x 30' steel strain pole, video detection camera, sign and 2-2" weatherheads. (Note: 1-2", 90°polyvinyl chloride (Schedule 80) bend.)

D. 12" x 30' steel strain pole, pedestrian signal heads, pushbutton with sign and 1-2" weatherhead. (Note: 1-2", 90°polyvinyl chloride (Schedule 80) bend.)

E. 10' breakaway pedestal pole with pedestrian signal heads, pushbutton and sign. (Note: 1-2" galvanized electrical conduit bend).

F. 10' breakaway pedestal pole with pedestrian signal head. (Note: 1-2" galvanized electrical conduit bend).

G. NEMA size "6" base-mounted cabinet and controller with all necessary equipment, meter socket and disconnect switch. (Note: 1-6", 90° polyvinyl chloride (Schedule 80) bends, 1-3", 90°polyvinyl chloride (Schedule 80) bend.

H. 3/8" steel span wire, traffic signal heads and signs. (Note: Signal heads and signs tethered using 1/4" tether wire).

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

K. 3/8" steel span wire, traffic signal heads and signs. (Note: Sign #31 is tethered using 1/4" tether wire).

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

M. 6" x 6" loop detector encased in 1/4" flexible tubing (4-turns).

N. Handhole.

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

P. 2" galvanized steel electrical conduit.

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

R. 3" galvanized steel electrical conduit.

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

T. 6" polyvinyl chloride electrical conduit (Schedule 80).

U. Existing underground electrical service to be maintained by PEPCO.

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

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.

"ASBUILT"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-5537

4898b.dgn D6-44

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

REVISIONS	
E ASBUILT SHA NO.:BCS 2001-04F (AT670821)	1-9-06
RRZ	
D REPLACE LOOP DETECTION WITH VIDEO CAMERAS SHA NO.:M07175185	8/2004
JWA	
C PROVIDE EXCLUSIVE LEFT TURN PHASING FOR EB MD 28 S.H.A.NO.:AT2885185	3-08-04
JWA	

PLOTTED: $DATETIME$
FILE: $FILE$

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 28 (KEY WEST AVE) AND MEDICAL CENTER DR / OMEGA DR

SCALE 1"= 20' DATE _____ CONTRACT NO. _____

DESIGNED BY _____ COUNTY MONTGOMERY
DRAWN BY _____ LOGMILE 15R02800.99
CHECKED BY _____ TIMS NO. G580
F.A.P. NO. _____ TOD NO. _____

TS NO. 4057E	DRAWING NO. 1 OF 1	SHEET NO. OF

DRILL HOLES

DRILL HOLES

\\4000 V\4898\4898b\4898b.dgn Jan. 08, 2008 15:08:02