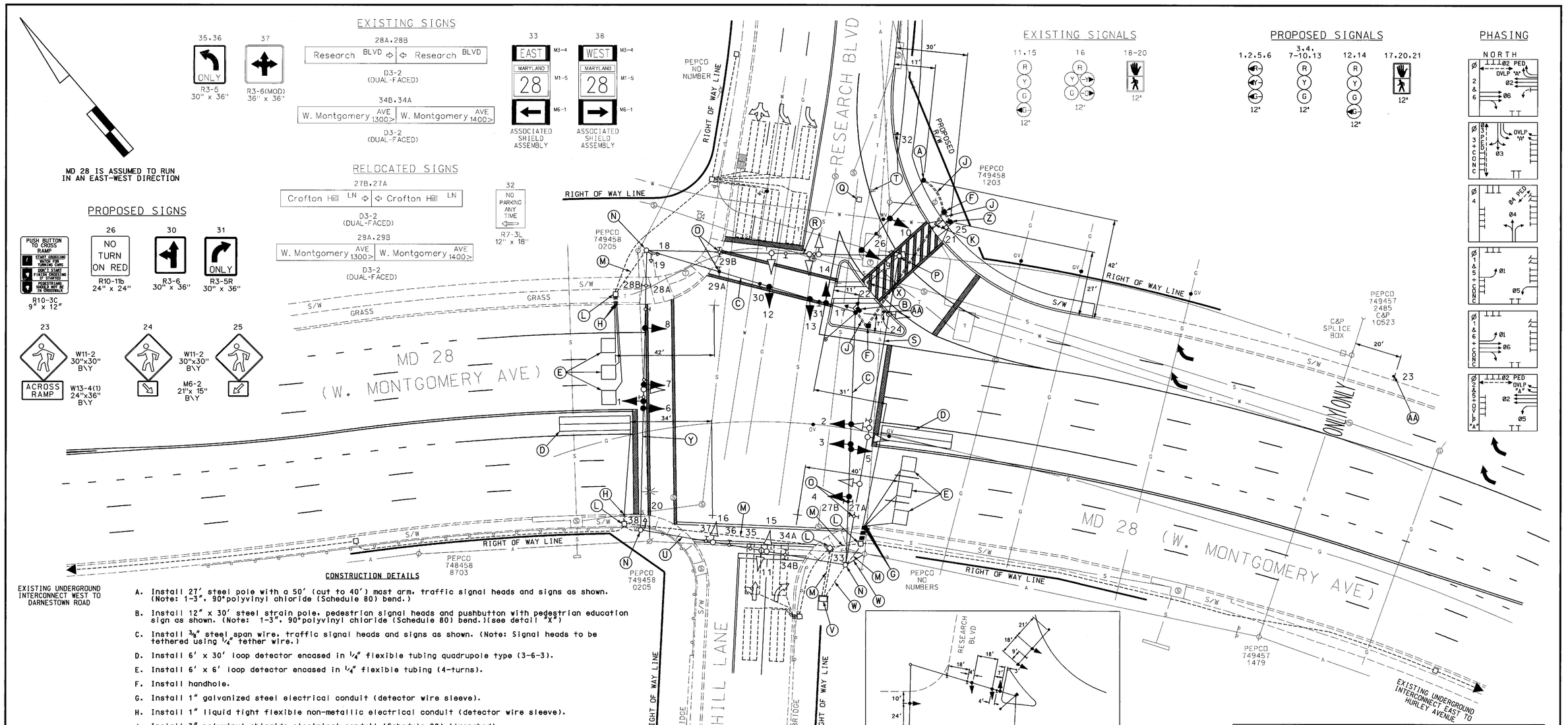

CONSTRUCTION DETAILS

A. Install 27' steel pole with a 50' (cut to 40') mast arm, traffic signal heads and signs as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Install 12" x 30' steel strain pole, pedestrian signal heads and pushbutton with pedestrian education sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)(see detail "X")

C. Install 3/8" steel span wire, traffic signal heads and signs as shown. (Note: Signal heads to be tethered using 1/4" tether wire.)

D. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).

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

F. Install handhole.

G. Install 1" galvanized steel electrical conduit (detector wire sleeve).

H. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).

J. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).

L. Use existing handhole.

M. Use existing conduit.

N. Use existing strain pole.

O. Relocate existing overhead street name sign to new span wire.

P. Remove existing strain pole, all attached signal equipment and foundation 12" below grade. (Note: Existing traffic surveillance camera shall be relocated. See Detail "X").

Q. Remove existing handhole.

R. Remove existing span wire, tether wire, signal heads and signs.

S. Remove existing span wire, signal heads and sign.

T. Relocate existing ground mounted "No Parking" sign as shown.

U. Use existing span wire.

V. Use existing base mounted cabinet and controller.

W. Existing electrical service to be maintained by PEPCO.

X. Montgomery County forces shall relocate the existing traffic surveillance camera and its pole mounted cabinet / controller onto the new strain pole.

Y. Replace existing traffic signal heads on span as shown. Remove existing R10-12 signs and R3-5(R) sign.

Z. Replace 10' breakaway pedestal pole, sign, pedestrian signal head and pushbutton with pedestrian education sign as shown. (Note: 1-3", 90 polyvinyl chloride (schedule 80) bend).

AA. Install ground mounted sign as shown.

GENERAL NOTES:

1. The loop detectors and conduit are to be installed prior to the installation of the pavement markings.
2. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
3. All pavement markings on MD 28 and on northbound Research Boulevard are proposed and are detailed on the pavement marking plan sheet 5 of 5.

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—

REVISION "H"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. N.W.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

4049a.dgn

REVISIONS	APPROVALS
(H) 10-17-02 MODIFY TRAFFIC SIGNAL DUE TO GEOMETRIC IMPROVEMENTS, REVISE PM's SHA NO.: M996M82 RRZ	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
G 3-14-00 MODIFY FOR SB MULTI-LT SHA NO.: BW996M82 JJD	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 RESEARCH BLVD / CROFTON HILL LANE

DRAWN BY: S.FOSTER	F.A.P. NO.	TS NO. 545 H	SHEET NO.
CHECKED BY: W.F.FITCH	S.H.A. NO.		1 OF 5
SCALE: 1"= 20'	COUNTY: MONTGOMERY	T.J.M.S. NO. F063	
DATE:	LOG MILE: 15002820.34		

...\4049\4049a\4049a.dgn Oct. 18, 2002 09:16:13