MD 650 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

17 — NO TURN ON RED — R10-11b 30" x 30"

24 — ONLY — R3-5(R) 24" x 30"

PUSH BUTTON TO CROSS NEW HAMPSHIRE AVE — 1 START CROSSING WATCH FOR TURNING CARS — 2 DON'T START FURTHER CROSSING IF STARTED — 3 PEDESTRIANS SHOULD NOT BE IN CROSSWALK — R10-4C 9" x 12" (INSTALLED WITH PUSHBUTTON)

27 — NOTICE — STOP FOR PEDESTRIANS AT ALL CROSSWALKS — STATE LAW — R9-1(3) 36" x 48"

18 — R3-2 30" x 30" (FIBER OPTIC SIGN) — 7-9 AM 4-6 PM MONDAY - FRIDAY

25 — STOP — RIGHT TURN ONLY — SIGN TO BE INSTALLED UNDER EXISTING STOP SIGN — R2-1 Mod. (24"x18")

EXISTING SIGNS

19-23 — W11A-2 FYG (30"x30")

M6-2 (21"x15")

26 — STOP — R1-1 (30"x30")

13,14 — ⇦ Quaint Acres DR / Heartfields DR ⇨ — D3-2 VARIABLE X 32"

15,16 — ⇦ Heartfields DR / Quaint Acres DR ⇨ — D3-2 VARIABLE X 32"

PROPOSED SIGNALS

1-4: R 12", Y 12", Y 8"

~~5-7~~: R, Y, A, Y 12"

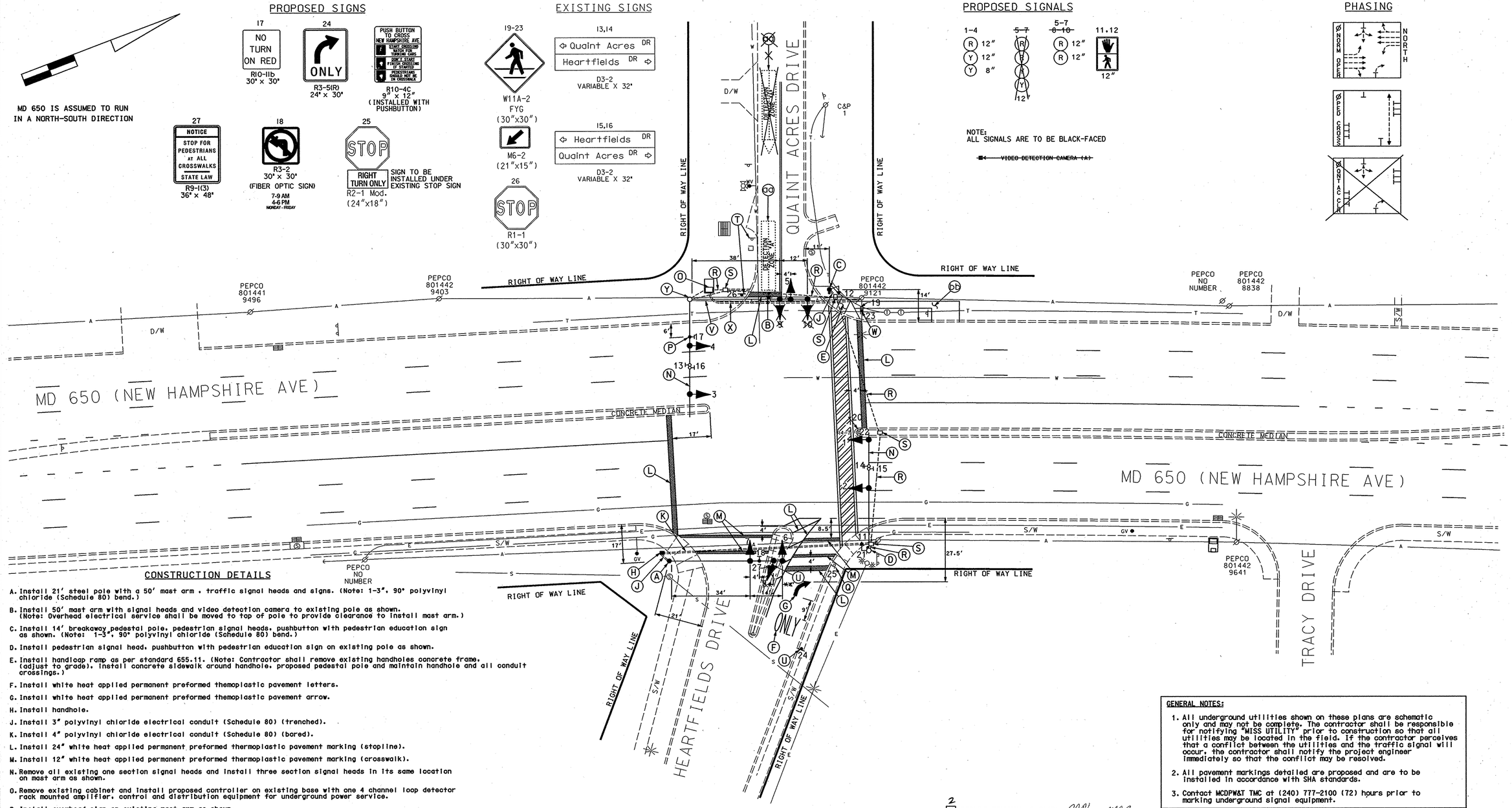
5-7 ~~8-10~~: R 12", R 12"

11,12: 12"

NOTE:
ALL SIGNALS ARE TO BE BLACK-FACED

~~VIDEO DETECTION CAMERA (A)~~

PHASING



CONSTRUCTION DETAILS

A. Install 21' steel pole with a 50' mast arm, traffic signal heads and signs. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

B. Install 50' mast arm with signal heads and video detection camera to existing pole as shown. (Note: Overhead electrical service shall be moved to top of pole to provide clearance to install mast arm.)

C. Install 14' breakaway pedestal pole, pedestrian signal heads, pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)

D. Install pedestrian signal head, pushbutton with pedestrian education sign on existing pole as shown.

E. Install handicap ramp as per standard 655.11. (Note: Contractor shall remove existing handholes concrete frame, (adjust to grade), install concrete sidewalk around handhole, proposed pedestal pole and maintain handhole and all conduit crossings.)

F. Install white heat applied permanent preformed themoplastic pavement letters.

G. Install white heat applied permanent preformed themoplastic pavement arrow.

H. Install handhole.

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

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

L. Install 24" white heat applied permanent preformed thermoplastic pavement marking (stopline).

M. Install 12" white heat applied permanent preformed thermoplastic pavement marking (crosswalk).

N. Remove all existing one section signal heads and install three section signal heads in its same location on mast arm as shown.

O. Remove existing cabinet and install proposed controller on existing base with one 4 channel loop detector rack mounted amplifier, control and distribution equipment for underground power service.

P. Install overhead sign on existing mast arm as shown.

Q. Install ground mounted sign on existing post as shown.

R. Use existing conduit.

S. Use existing handhole.

T. Remove and relocate existing ground mounted R1-1 sign.

U. Install ground mounted sign as shown.

V. Existing overhead electrical service removed by PEPCO.

W. Relocate existing ground mounted sign as shown.

X. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored) for proposed underground electrical service (Note: The contractor shall stub out proposed conduit at bottom of PEPCO pole 801442-9121.)

Y. The contractor shall remove meter, disconnect switch, clevis and all overhead service equipment as shown.

Z. Install 5" yellow lead free reflective thermoplastic pavement marking.

aa. Proposed Video detection area.

2 bb. Install 8'x12' bus pad and sidewalk as shown.

GENERAL NOTES:

1. 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.
2. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
3. Contact MCDPW&T TMC at (240) 777-2100 (72) hours prior to marking underground signal equipment.

2 REDLINE REVISION 9/01/04 JWA for MAR

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 "A"

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

4482.dgn TASK-95

REVISIONS					
A UPGRADE EXISTING FLASHER TO PEDESTRIAN SIGNAL SHA NO.: AT2885185				01-05-04	
JWA	WM	MAR		BRK	TH 1/20

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 650 (NEW HAMPSHIRE AVE) AND QUAINT ACRES DR / HEARTFIELDS DR

WHITE OAK, MARYLAND

DRAWN BY: JW ALLEN JR.	F.A.P. NO. N/A	TS NO. 4086A	SHEET NO.
CHECKED BY: S RENZI	S.H.A. NO. XX1005885		
SCALE: 1"= 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. F938	1 OF 3
DATE: 4-01	LOG MILE: 15065005.40		

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