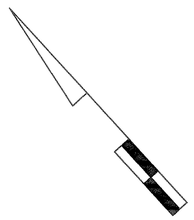


MD 173 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS

16
⇦ Brandon Shores | Brandon Shores ⇨
D3-2 (DUAL-FACED) VARIABLE X 16"

19
ONLY
R3-5L 30"x 36"

PROPOSED SIGNS

14
Energy Pkwy ⇨ | ⇦ Energy Pkwy
D3-2 (DUAL-FACED) VARIABLE X 16"

18,30
Fort Smallwood Rd
D3-2 VARIABLE X 16"

17
ONLY
R3-5L 30"x 36"

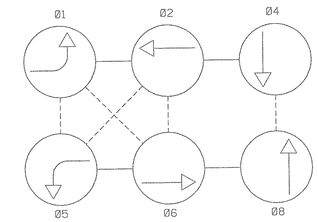
13,15
LEFT TURN YIELD ON FLASHING RED ARROW AFTER STOP
R10-12 (4) 36"x 42"

PROPOSED SIGNALS

1,2,5,6 — R, Y, G — 12"

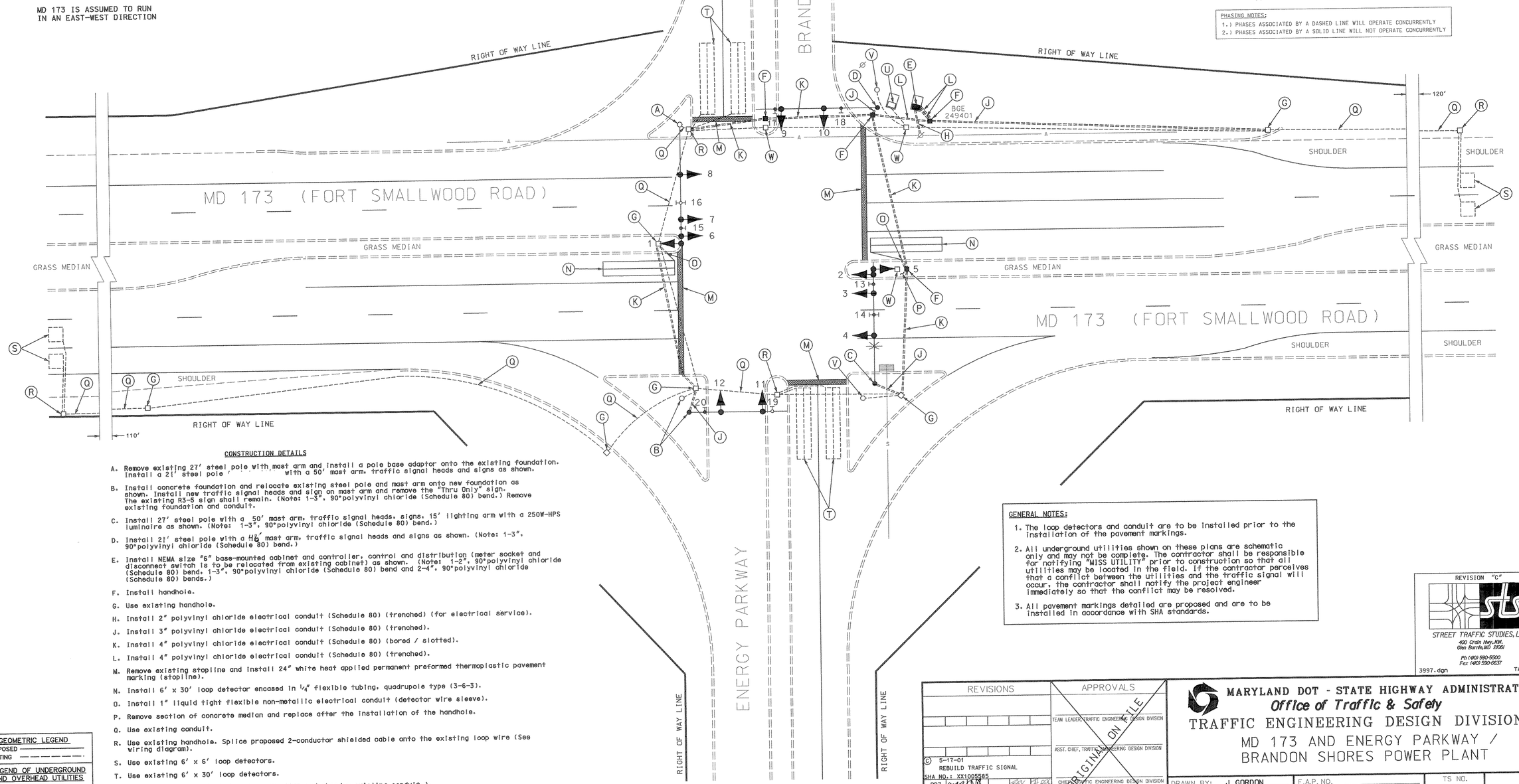
3,4,7-12 — R, Y, G — 12"

NEMA PHASING



FLASHING OPERATION

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



CONSTRUCTION DETAILS

A. Remove existing 27' steel pole with mast arm and install a pole base adaptor onto the existing foundation. Install a 21' steel pole with a 50' mast arm, traffic signal heads and signs as shown.

B. Install concrete foundation and relocate existing steel pole and mast arm onto new foundation as shown. Install new traffic signal heads and sign on mast arm and remove the "Thru Only" sign. The existing R3-5 sign shall remain. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.) Remove existing foundation and conduit.

C. Install 27' steel pole with a 50' mast arm, traffic signal heads, signs, 15' lighting arm with a 250W-HPS luminaire as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

D. Install 21' steel pole with a 46' mast arm, traffic signal heads and signs as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

E. Install NEMA size "6" base-mounted cabinet and controller, control and distribution (meter socket and disconnect switch is to be relocated from existing cabinet) as shown. (Note: 1-2", 90°polyvinyl chloride (Schedule 80) bend, 1-3", 90°polyvinyl chloride (Schedule 80) bend and 2-4", 90°polyvinyl chloride (Schedule 80) bends.)

F. Install handhole.

G. Use existing handhole.

H. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched) (for electrical service).

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

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

L. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

M. Remove existing stopline and install 24" white heat applied permanent preformed thermoplastic pavement marking (stopline).

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

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

P. Remove section of concrete median and replace after the installation of the handhole.

Q. Use existing conduit.

R. Use existing handhole. Splice proposed 2-conductor shielded cable onto the existing loop wire (See wiring diagram).

S. Use existing 6' x 6' loop detectors.

T. Use existing 6' x 30' loop detectors.

U. Remove existing cabinet / controller. (Cap and abandon existing conduit.).

V. Remove existing steel pole and mast arm. (Cap and abandon existing conduit.)

W. Remove existing handhole. (Cap and abandon existing conduit.)

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 detailed are proposed and are to be installed in accordance with SHA standards.

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 "C"

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

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REVISIONS	APPROVALS
© 5-17-01 REBUILD TRAFFIC SIGNAL SHA NO.: XX1005585 RRZ	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
B 11-15-83 MODIFY TRAFFIC SIGNAL DUE TO GEOMETRIC IMPROVEMENTS SHA NO.: TAR	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 173 AND ENERGY PARKWAY / BRANDON SHORES POWER PLANT

DRAWN BY: J GORDON	F.A.P. NO.	TS NO. 1088 C	SHEET NO.
CHECKED BY: A BUDNICHUK	S.H.A. NO. AA685A54		
SCALE: 1"= 20'	COUNTY: ANNE ARUNDEL	T.I.M.S. NO. 576	1 OF 1
DATE: 1-2-74	LOG MILE: 02017307.15		

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