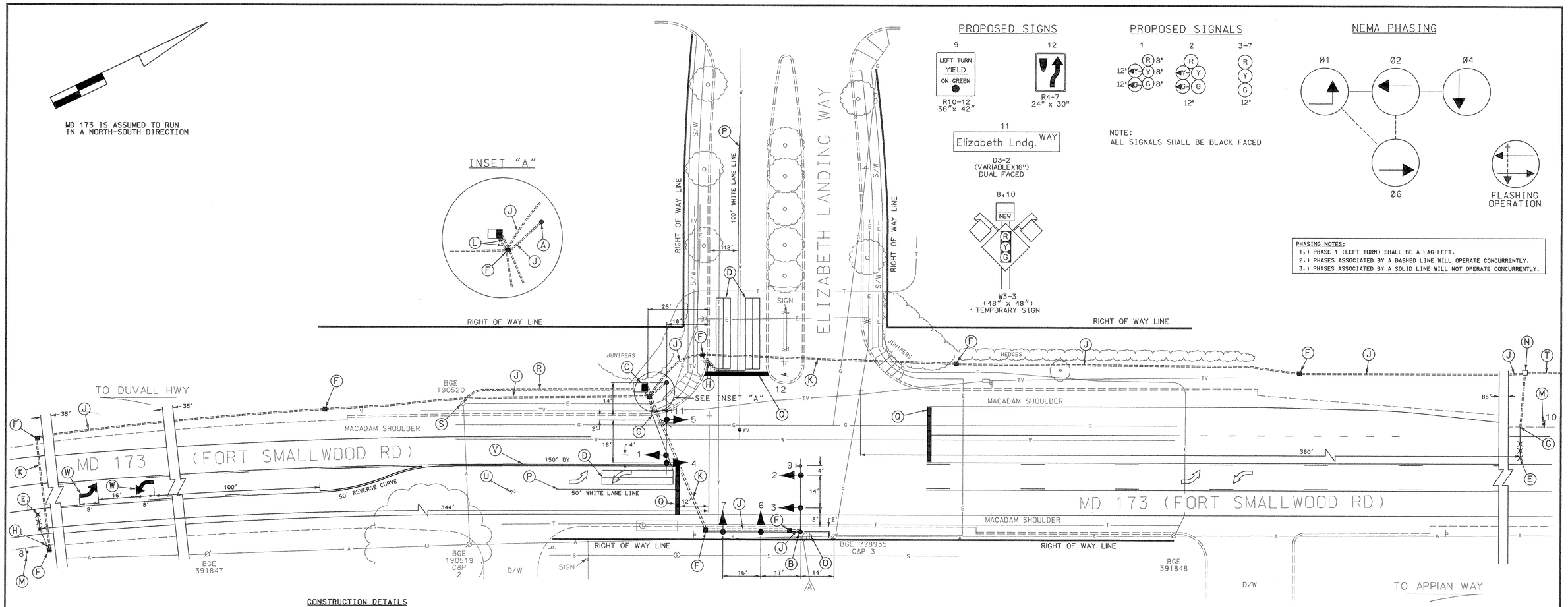


CONSTRUCTION DETAILS

A. Install 27' steel pole with a 38' mast arm, traffic signal heads, sign and a 15' lighting arm with a 250W-HPS luminaire as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Install 27' (cut to 23') steel pole with twin 50' (cut to 34')- 50' (cut to 30') mast arms, traffic signal heads and sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

C. Install NEMA size "6" base-mounted cabinet and controller with control and distribution and all necessary equipment 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.)

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

E. Install micro-loop probes as shown.

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

M. Install ground mounted W3-3 sign 475' prior to the proposed stopline.

N. Use existing handhole.

O. Relocate existing ground mounted "SCHOOL" sign approximately 50' to the north.

P. Install 5 in. white, heat applied permanent preformed thermoplastic pavement marking.

Q. Install 24 in. white, heat applied permanent preformed thermoplastic pavement marking.

R. Install 1-2" and 1-4" polyvinyl chloride electrical conduits (Schedule 80) (both conduits in same trench) 4" conduit for electrical service by BGE and 2" conduit for telephone service by Verizon.

S. Install conduit bend at pole base.

T. Existing conduit.

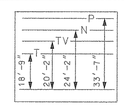
U. Beginning at stopline, remove 150' of existing yellow pavement marking and also the two left turn lane arrows.

V. Beginning at stopline, install 150' of double yellow pavement marking.

W. Install left turn lane arrow as shown.

X. Install 5" yellow white, heat applied permanent preformed thermoplastic pavement marking for 50' reverse curve.

UTILITY WIRE HEIGHTS



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—

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3924.dgn TASK-4

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION 4-26-01
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 4/26/01
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 4.30.01
	DIRECTOR, TRAFFIC & SAFETY 5/4/01

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 173 (FORT SMALLWOOD RD) AND ELIZABETH LANDING WAY

DRAWN BY: W J NIES	F.A.P. NO.		TS NO. 4094	SHEET NO.
CHECKED BY: R R ZACHERL	S.H.A. NO.	AH683A5D/B5D		1 OF 2
SCALE: 1"= 20'	COUNTY:	ANNE ARUNDEL	T.I.M.S. NO. E433	
DATE: 4-19-01	LOG MILE:			

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