NOTE:
US 40 IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION.

EXISTING SIGNS

13,16

Red Toad RD

D 3-2
16" x Var.
(Dual Faced Sign)

20

WEST 40 EAST

M 95-1
72" x 24"

17,19

ONE WAY ONE WAY

STOP

back side

REMOVE THE "STOP" SIGN
FROM THE EXISTING WOOD POST

18

EAST 40 WEST

M 95-1
72" x 24"

PROPOSED SIGNS

11,12,14,15

NEW

R
Y
G

TEMPORARY SIGN
W3-3 NEW
48"x 48"

PROPOSED SIGNALS

1-4,6,
7,9,10

R
Y
G

12"

5,8

R
Y
G

8"

BLACK FACED

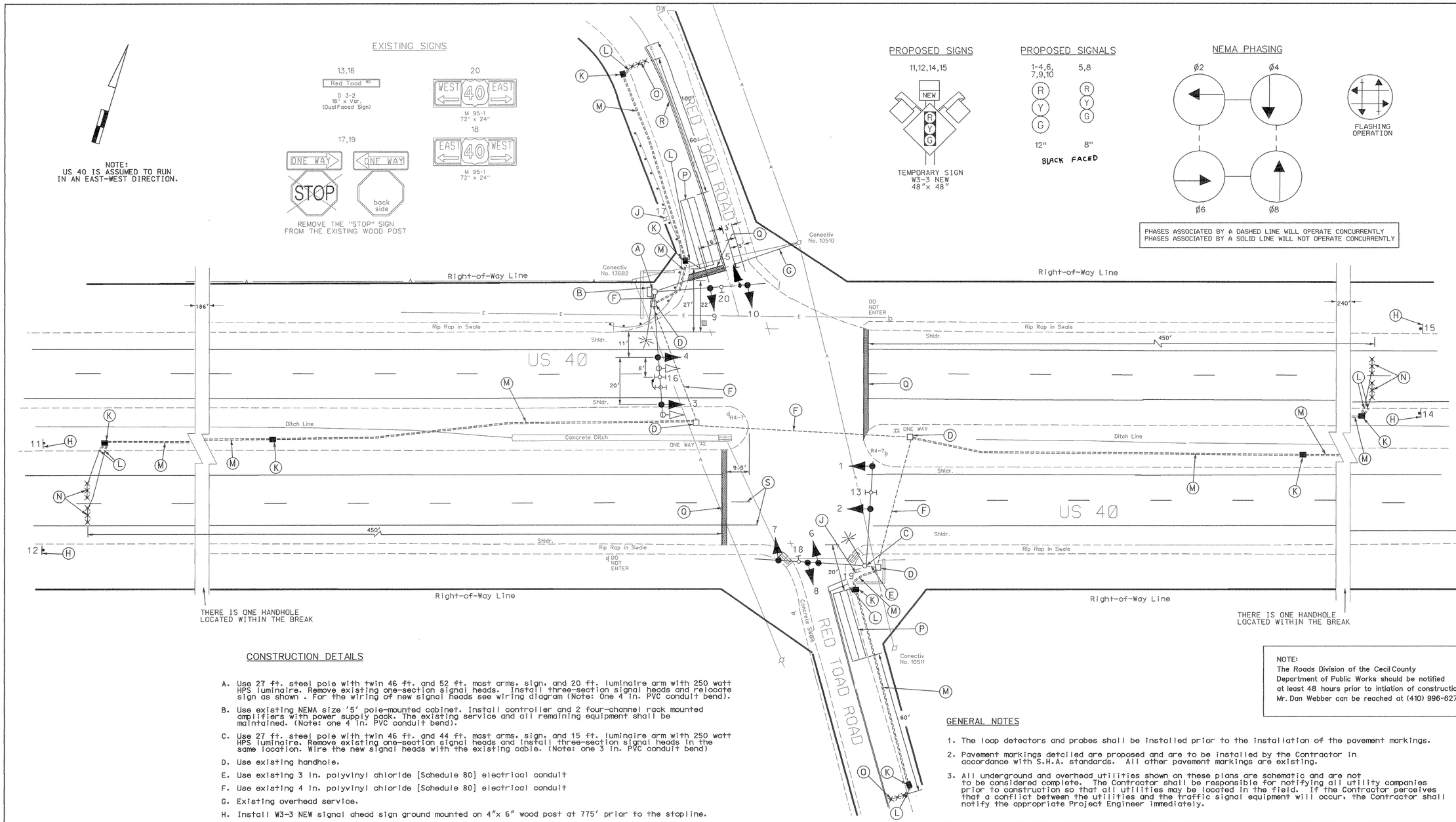
NEMA PHASING

Ø2 Ø4

Ø6 Ø8

FLASHING
OPERATION

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. Use 27 ft. steel pole with twin 46 ft. and 52 ft. mast arms, sign, and 20 ft. luminaire arm with 250 watt HPS luminaire. Remove existing one-section signal heads. Install three-section signal heads and relocate sign as shown . For the wiring of new signal heads see wiring diagram (Note: One 4 in. PVC conduit bend).

B. Use existing NEMA size '5' pole-mounted cabinet. Install controller and 2 four-channel rack mounted amplifiers with power supply pack. The existing service and all remaining equipment shall be maintained. (Note: one 4 in. PVC conduit bend).

C. Use 27 ft. steel pole with twin 46 ft. and 44 ft. mast arms, sign, and 15 ft. luminaire arm with 250 watt HPS luminaire. Remove existing one-section signal heads and install three-section signal heads in the same location. Wire the new signal heads with the existing cable. (Note: one 3 in. PVC conduit bend)

D. Use existing handhole.

E. Use existing 3 in. polyvinyl chloride [Schedule 80] electrical conduit

F. Use existing 4 in. polyvinyl chloride [Schedule 80] electrical conduit

G. Existing overhead service.

H. Install W3-3 NEW signal ahead sign ground mounted on 4"x 6" wood post at 775' prior to the stopline.

J. Remove the "Stop" sign from the existing sign support, the "One Way" signs will remain.

K. Install handhole.

L. Install 1 in. liquid tight flexible non-metallic conduit for detector sleeve.

M. Install 3 in. PVC schedule 80 electrical conduit- trenched.

N. Install mircoloop probe set with 1000' lead-in cable.

O. Install mircoloop probe set with 500' lead-in cable.

P. Install 6' x 30' loop detector encased in 1/4" flexible tubing. Quadrupole (3-6-3 turns).

Q. Install 24" white heat applied thermoplastic permanent preformed pavement marking for stopline.

R. Install 5" yellow heat applied thermoplastic permanent preformed pavement marking for centerline.

S. Remove existing lane lines that extend past the proposed stopline.

NOTE:
The Roads Division of the Cecil County
Department of Public Works should be notified
at least 48 hours prior to intiation of construction.
Mr. Dan Webber can be reached at (410) 996-6270.

GENERAL NOTES

1. The loop detectors and probes shall be installed prior to the installation of the pavement markings.
2. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with S.H.A. standards. All other pavement markings are existing.
3. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies 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 equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

G — G	GAS MAIN
W — W	WATER MAIN
S — S	SEWER MAIN
E — E	ELECTRIC CABLES
D — D	STORM DRAIN
A — A	AERIAL CABLES
T — T	TELEPHONE CABLES

REVISION "A"

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

3923.dgn

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
A 4/5/01 CHANGE I.C.B. TO FULL COLORS AND ADD DETECTORS SHA NO. XXXXS185 EMM	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

US 40 at Red Toad Road

DRAWN BY:	C.P./J.S.	F.A.P. NO.	CE 990 A&B/BSV	TS NO. 3920A	SHEET NO. 1 OF 2
CHECKED BY:	JAH/MAR	S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	CECIL	T.I.M.S. NO. E 400	
DATE:	August 6, 1999	LOG MILE:	07004007.35		

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