MD 528 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

PROPOSED SIGNS

19.22 — RIGHT LANE / BUSES AND RIGHT TURNS ONLY — 30" x 42"

17.20 — LEFT TURN YIELD ON GREEN — R 10-12 36"X42"

18.21 — 94TH Street — D3-2 Variable x 16" (DUAL FACED)

23.26 — Coastal HWY — D3-2 Variable x 16" (DUAL FACED)

24 — ONLY / ONLY — 90" x 36"

25.27 — YIELD / TO PEDS — SPECIAL SIGN

PROPOSED SIGNALS

2.5 — R, Y, G — 12"

3.6-10 — R, Y, G — 12"

11-16 — 12"

1.4 — R 8", Y 8", G 8" — 12", 12"

NEMA PHASING

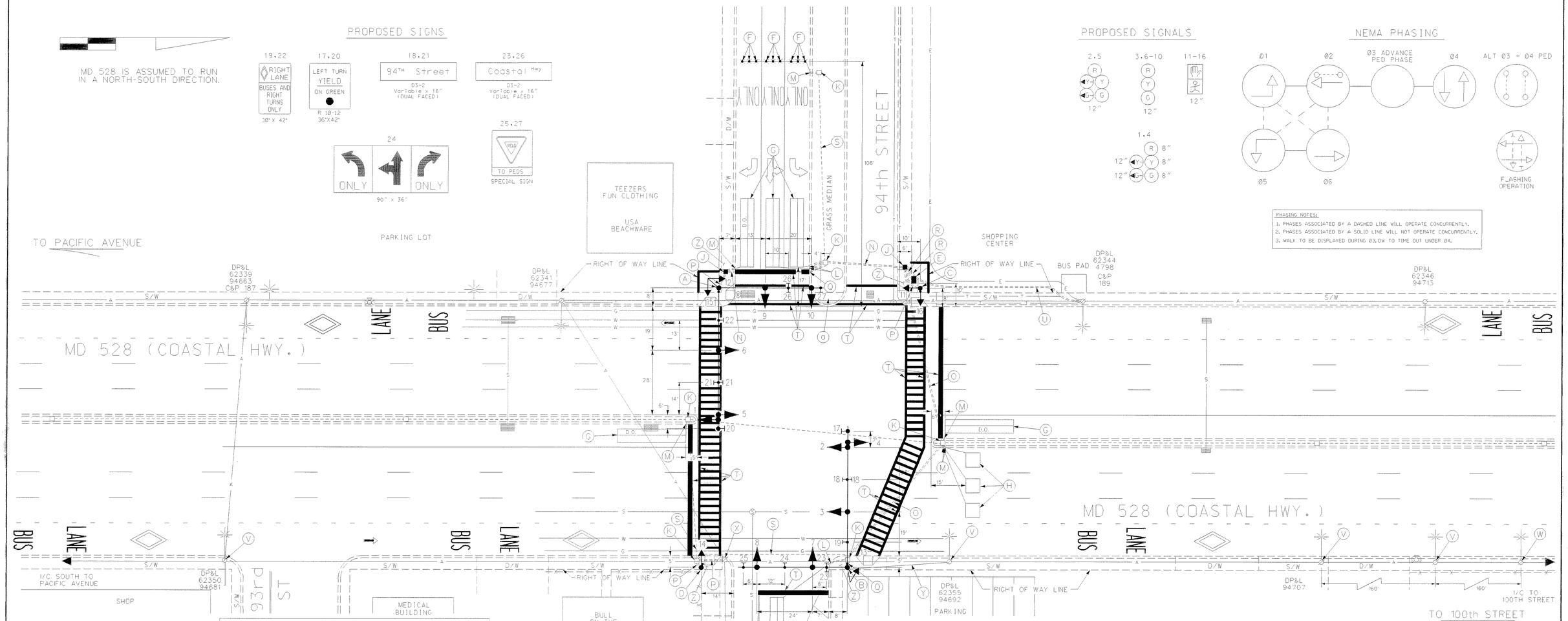
Ø1, Ø2, Ø3 ADVANCE PED PHASE, Ø4, ALT Ø3 + Ø4 PED

Ø5, Ø6

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.
3. WALK TO BE DISPLAYED DURING Ø3,DW TO TIME OUT UNDER Ø4.



CONSTRUCTION DETAILS

A. Install 23' steel pole with twin 50'-60' mast arms, traffic signal heads, signs, pedestrian signal heads and pushbutton with pedestrian education sign as shown. (Note: 1-2", 90° polyvinyl chloride (Schedule 80) bend.) (Note: 50' mast arm shall be cut to 44' length.)

B. Install 23' steel pole with twin 50'-60' mast arms, traffic signal heads, signs, pedestrian signal head, pushbutton with pedestrian education sign and 1-3" weatherhead as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.) (Note: 50' mast arm shall be cut to 46' length.)

C. Install 10' breakaway pedestal pole, pedestrian signal heads and pushbutton with pedestrian education sign as shown. (Note: 1-2", 90° polyvinyl chloride (Schedule 80) bend.)

D. Install 10' breakaway pedestal pole, pedestrian signal head and pushbutton with pedestrian education sign as shown. (Note: 1-2", 90° polyvinyl chloride (Schedule 80) bend.)

E. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown. (Note: 1-2", 90° polyvinyl chloride (Schedule 80) bend, 1-2", 90° polyvinyl chloride (Schedule 80) bend and 2-4", 90° polyvinyl chloride (Schedule 80) bend.)

F. Install probes as shown.

G. Install 6' x 30' loop detector encased in ¼" flexible tubing quadrupole type (3-6-3).

H. Install 6' x 6' loop detector encased in ¼" flexible tubing (4-turns).

J. Install handhole.

K. Use existing handhole.

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

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

N. Install 3" polyvinyl chloride electrical conduit (Scheudle 80) (slotted).

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

P. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

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

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

S. Use existing conduit.

T. Install pavement markings in their existing location as shown.

U. Proposed underground electrical service to be install by DP&L.

V. Remove existing span wire and existing interconnect cable and install proposed 12-pair (self-supporting) interconnect cable in same location. (See Wiring Diagram.)

W. Remove existing span wire, riser and associated cables. Remove existing interconnect cable and install proposed 12-pair interconnect cable as shown. (See Wiring Diagram.)

X. Remove existing span wire and associated cables. Remove existing interconnect cable and install proposed 12-pair interconnect cable, 2" riser, 2" weatherhead and 2", 90° polyvinyl chloride (Schedule 80) bend as shown. (See Wiring Diagram.)

Y. Install 12-pair interconnect cable as shown. (See Wiring Diagram.)

Z. Remove existing sidewalk and replace after the installation of the proposed signal equipment.

a. Remove existing curb and gutter and sidewalk section in median nose and replace with depressed curb and gutter and sidewalk.

b. Install 6" yellow thermoplastic tape as shown.

UTILITY LEGEND

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

GENERAL NOTES:

1. The existing traffic signal is to be removed prior to the installation of the proposed signal equipment. The District is to install temporary "STOP" signs on the sidestreets.
2. All stoplines and crosswalks are to be replaced at their present location.
3. This is a revision to the existing traffic signal built in 1976.
4. "D.O." indicates delay output loop detector.

STREET TRAFFIC STUDIES, LTD.®
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TASK2D.DGN

REVISIONS	APPROVALS
	ASST. CHIEF TEDD SECTION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
12-15-97 RECONSTRUCT EXISTING SIGNAL USING MAST ARMS	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

SHA NO.:
BRZ 11/13/98

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

MD 528 (COASTAL HWY.) AND 94th STREET

DRAWN BY: M. SCHNEIDER	COUNTY: WORCESTER	TS NO. 1270F	SHEET NO. 1 OF 5
CHECK BY:	LOG MILE: 23052802.97		
DATE: 4-13-76	F.A.P. NO.	T.I.M.S. NO.	
SCALE: 1" = 20'	S.H.A. NO.		