NOTE:
MD 528 / PHILADELPHIA AVE. IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

PROPOSED SIGNS

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

18 — U TURN YIELD ON GREEN — R10-12 (I) 36"X42"

17,19 — R3-1(L) 30"X 30"

23,27 — YIELD / TO PEDS — R9-1 (mod) 48"X 48"

29a ← Coastal HWY | 29b Coastal HWY → — D3-2 VARIABLE x 16" DUAL FACED

25a ← Philadelphia AVE | 25b Philadelphia AVE → — D3-2 VARIABLE x 16" DUAL FACED

16,21 — RIGHT LANE / BUSES AND RIGHT TURNS ONLY — R3-17(MOD) 30" x 36"

24 — ONLY — R 3-5(L) 30"X 36"

22,28 — ONLY — R 3-5(R) 30"X 36"

26 — R3-6(MOD) 36"x 36"

15,20 — 33RD Street — D3-2 VARIABLE x 16" DUAL FACED

PROPOSED SIGNALS

1, 2, 4, 5 — 12"

3,6,9, 10,11 — 12"

7 — 12"

8 — 12"

12-13 — 12"

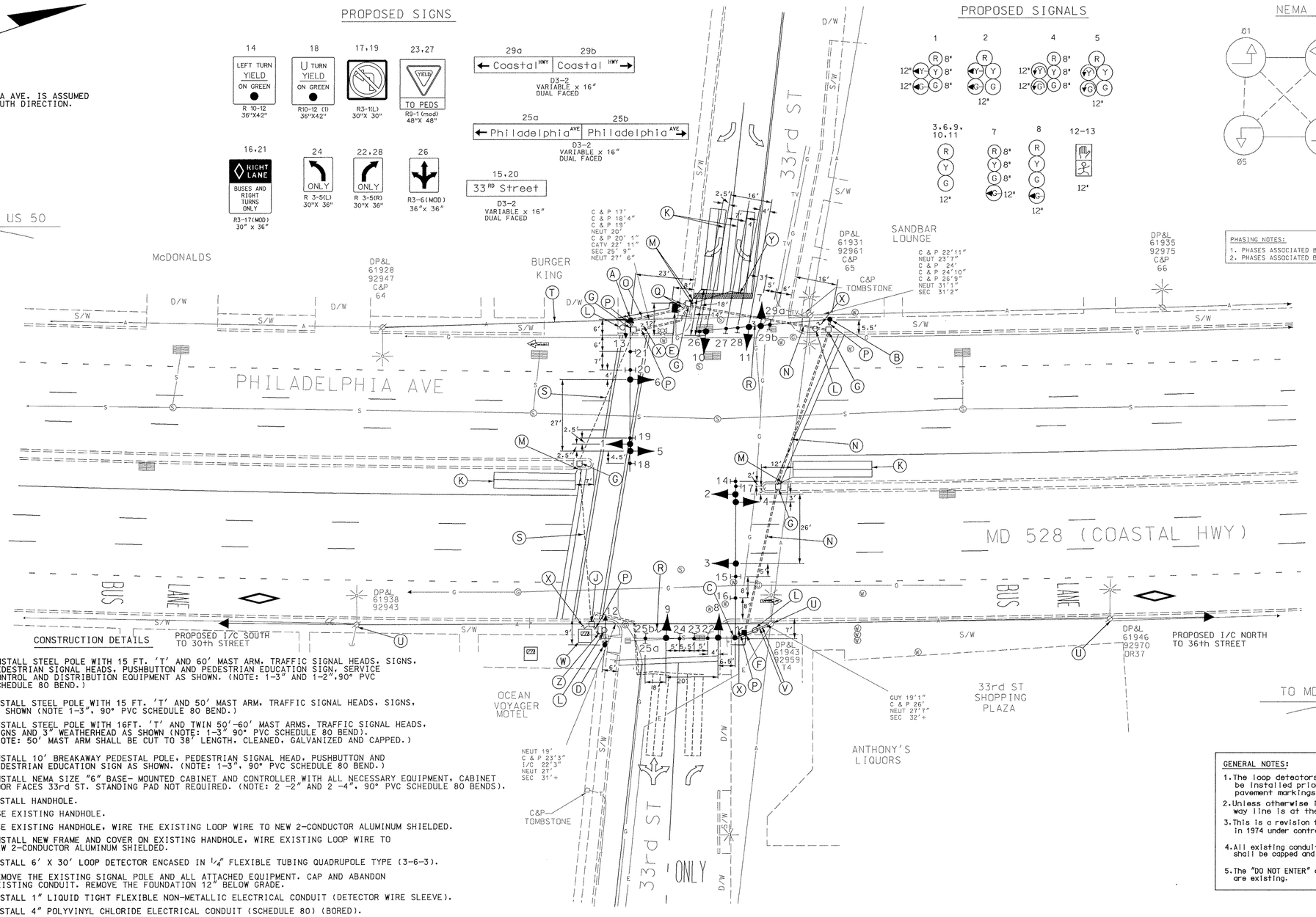
NEMA PHASING

Ø1 Ø2 Ø3 Ø4

Ø5 Ø6 Ø8

FLASHING OPERATION

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



CONSTRUCTION DETAILS

A. INSTALL STEEL POLE WITH 15 FT. 'T' AND 60' MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND PEDESTRIAN EDUCATION SIGN, SERVICE CONTROL AND DISTRIBUTION EQUIPMENT AS SHOWN. (NOTE: 1-3" AND 1-2",90° PVC SCHEDULE 80 BEND.)

B. INSTALL STEEL POLE WITH 15 FT. 'T' AND 50' MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, AS SHOWN (NOTE 1-3", 90° PVC SCHEDULE 80 BEND.)

C. INSTALL STEEL POLE WITH 16FT. 'T' AND TWIN 50'-60' MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS AND 3" WEATHERHEAD AS SHOWN (NOTE: 1-3" 90° PVC SCHEDULE 80 BEND). (NOTE: 50' MAST ARM SHALL BE CUT TO 38' LENGTH, CLEANED, GALVANIZED AND CAPPED.)

D. INSTALL 10' BREAKAWAY PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND PEDESTRIAN EDUCATION SIGN AS SHOWN. (NOTE: 1-3", 90° PVC SCHEDULE 80 BEND.)

E. INSTALL NEMA SIZE "6" BASE- MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT, CABINET DOOR FACES 33rd ST. STANDING PAD NOT REQUIRED. (NOTE: 2 -2" AND 2 -4", 90° PVC SCHEDULE 80 BENDS).

F. INSTALL HANDHOLE.

G. USE EXISTING HANDHOLE.

H. USE EXISTING HANDHOLE, WIRE THE EXISTING LOOP WIRE TO NEW 2-CONDUCTOR ALUMINUM SHIELDED.

J. INSTALL NEW FRAME AND COVER ON EXISTING HANDHOLE, WIRE EXISTING LOOP WIRE TO NEW 2-CONDUCTOR ALUMINUM SHIELDED.

K. INSTALL 6' X 30' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING QUADRUPOLE TYPE (3-6-3).

L. REMOVE THE EXISTING SIGNAL POLE AND ALL ATTACHED EQUIPMENT. CAP AND ABANDON EXISTING CONDUIT. REMOVE THE FOUNDATION 12" BELOW GRADE.

M. INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).

N. INSTALL 4" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SCHEDULE 80) (BORED).

O. INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SCHEDULE 80) (TRENCHED).

P. INSTALL 3" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SCHEDULE 80) (TRENCHED).

Q. INSTALL 4" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SCHEDULE 80) (TRENCHED).

R. REMOVE EXISTING PAVEMENT MARKING IN THIS AREA THAT ARE NOT SHOWN ON THE PLAN.

S. USE EXISTING CONDUIT.

T. PROPOSED OVERHEAD ELECTRICAL SERVICE TO BE INSTALLED BY CONNECTIV POWER.

U. USE EXISTING DPL POLES TO REMOVE THE OLD AND INSTALL NEW SELF-SUPPORTING COMMUNICATION CABLE OVERHEAD. USE THE EXISTING THROUGH BOLTS.

V. INSTALL THE NEW COMMUNCATION CABLE FROM THE DPL POLE TO THE MAST ARM.

W. REMOVE EXISTING CONTROLLER AND CABINET AND FOUNDATION. CAP AND ABANDON EXISTING CONDUIT.

X. REMOVE AND REPLACE EXISTING SIDEWALK SECTION FOR THE INSTALLATION OF THE SIGNAL EQUIPMENT.

Y. INSTALL 24" HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKINGS.

Z. RELOCATION OCEAN CITY'S PUBLIC WORK POLE MOUNTED CABINET TO THE MAST ARM POLE DETAILED 'A'.

GENERAL NOTES:
1. The loop detectors and conduit are to be installed prior to the installation of pavement markings.
2. Unless otherwise indicated the right-of-way line is at the back of the sidewalk.
3. This is a revision to the existing signal built in 1974 under contract NO: WO-479-001-185
4. All existing conduit that is not identified shall be capped and abondoned (See GI sheet.)
5. The "DO NOT ENTER" and "KEEP RIGHT" signs are existing.

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 "F"

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

PT44.DGN

REVISIONS		
F	RECONSTRUCT SIGNAL TO MAST ARM. SHA NO. XX1005185	12-12-00
EMM		
E	AS BUILT	10-16-92
RRZ		

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 528 (COASTAL HWY)/ PHILADELPHIA AVENUE AND 33rd STREET

DRAWN BY: W F FITCH	F.A.P. NO.	TS NO. 416F	SHEET NO.
CHECKED BY:	S.H.A. NO.	T.I.M.S. NO. E 171X	1 OF 2
SCALE: 1"= 20'	COUNTY: WORCESTER		
DATE:	LOG MILE: 23052806.39		

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