F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

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

PROPOSED SIGNS

28,29

W3-3 SIGN (48 IN. X 48 IN.) 'NEW' PANEL (30 IN. X 30 IN.) AND FLAGS

21,23

D3-2 SIGN (VARIABLE X 32 IN.)

24,26

D3-2 SIGN (VARIABLE X 32 IN.)

22,25

R10-12 (36 IN. x 42 IN.)

27

R3-5L (30 IN. X 36 IN.)

PROPOSED SIGNAL HEADS

1,4 — 12"/8"

2,5 — 12"

3,6,8,9,11,12 — 12"

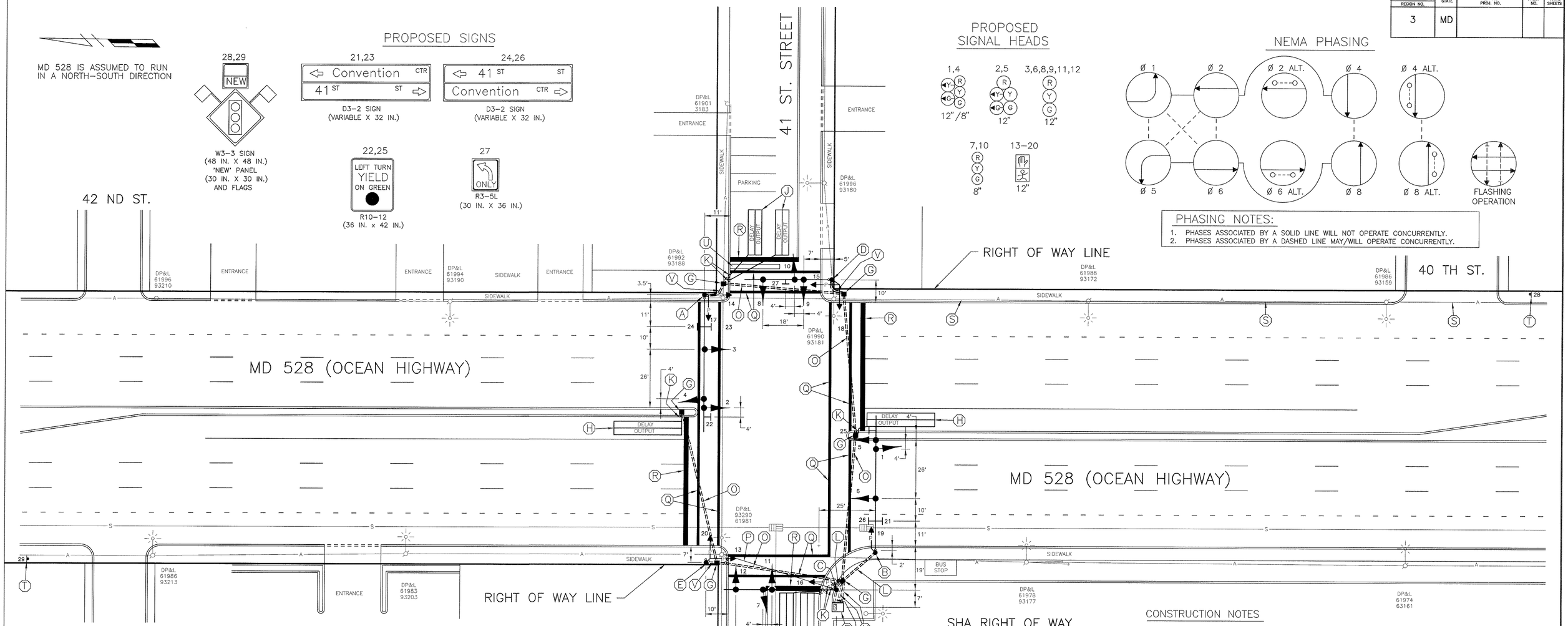
7,10 — 8"

13-20 — 12"

NEMA PHASING

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.



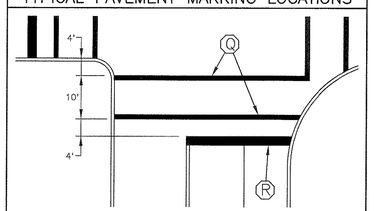
CONSTRUCTION NOTES

1) DISCONNECT EXISTING INTERCONNECT CABLE FROM THE EXISTING CONTROLLER AT MD 528 AND THE EXISTING CONVENTION CENTER ENTRANCE AND RE-INSTALL IT TO THE PROPOSED CONTROLLER AT MD 528 AND 41 ST. STREET. INSTALL A NEW RUN OF INTERCONNECT CABLE BETWEEN THE CONTROLLERS AT MD 528 AND THE EXISTING CONVENTION CENTER ENTRANCE AND MD 528 AND 41 ST. STREET.
2) LOOP DETECTORS SHALL BE LOCATED 1 FT. BEHIND STOP LINES.
3) INSTALL CONDUIT AND LOOP DETECTORS PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS
4) FOR CONDUIT INSTALLED IN SIDEWALKS, REMOVE SIDEWALK, INSTALL CONDUIT, INSTALL NEW SIDEWALK.

CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEADS, PUSHBUTTONS, AND SIGNS (NOTE: 1-2 IN., SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND)
B. INSTALL 27 FT. STEEL POLE WITH A 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, AND SIGN (NOTE: 1-2 IN., SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND)
C. INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, SIGNAL HEADS, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, SIGN AND 1" CONDUIT RISER (NOTE: 1-2 IN., SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND)
D. INSTALL 27 FT. STEEL POLE WITH A 38 FT. MAST ARM, SIGNAL HEADS, SIGN, PEDESTRIAN SIGNAL HEADS, PUSHBUTTONS, AND SIGNS (NOTE: 1-2 IN., SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND) CUT MAST ARM POLE TO 20 FT. HEIGHT
E. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE, PEDESTRIAN SIGNAL HEADS, PUSHBUTTONS AND SIGNS (NOTE: 1-2 IN., SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND)
F. INSTALL BASE MOUNTED CABINET AND CONTROLLER (NOTE: 2-2 IN. AND 2-4 IN., 90 DEGREE PVC CONDUIT BENDS)
G. INSTALL HANDHOLE
H. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3 WINDING)
J. INSTALL 6 FT. X 20 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3 WINDING)
K. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
L. INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
M. INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED)
N. INSTALL 4 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
O. INSTALL 4 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED)
P. PROPOSED OVERHEAD ELECTRIC SERVICE
Q. INSTALL 12 IN. PERMANENT PREFORMED PAVEMENT MARKING TAPE
R. INSTALL 24 IN. PERMANENT PREFORMED PAVEMENT MARKING TAPE
S. PROPOSED INTERCONNECT CABLE (SEE NOTE 1)
T. INSTALL W3-3 SIGN ON TWO WOOD POSTS APPROXIMATELY 400 FT. IN ADVANCE OF THE INTERSECTION
U. REMOVE EXISTING PAVEMENT MARKINGS
V. REMOVE EXISTING SIDEWALK, INSTALL 2 IN. SCHEDULE 80 RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED), INSTALL NEW SIDEWALK

TYPICAL PAVEMENT MARKING LOCATIONS



LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

REVISIONS	APPROVALS	REVISIONS
	ASSISTANT DIVISION CHIEF 8/15/97	
	ASST. DISTRICT ENGINEER, TRAFFIC	
	CHIEF, TRAFFIC ENGINEERING DESIGN DIV. 8/15/97	
	DIRECTOR, OFFICE OF TRAFFIC AND SAFETY 8/15	

TRAFFIC CONCEPTS, INC.
Brightview Business Center
8258 Veterans Highway
Suite 19B
Millersville, MD 21108
(410) 987-0427

LOG MILE NO. 23052805.93

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

TRAFFIC SIGNALIZATION PLAN

MD 528 (OCEAN HIGHWAY) AND 41 ST. STREET/CONVENTION CENTER ENT.

DATE: 7-29-97	DRAWN BY: T. ZAYDEL	F.A.P. NO.		PLAN SHEET NO.:	SHEET NO.
SCALE: 1" = 20'	DESIGNED BY: T. ZAYDEL	S.H.A. NO.	AW277A52 / AW277B52	TS-3728	1 OF 2
APPROVED BY:	CHECKED BY: K. SCHMID	COUNTY	WORCESTER		