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

CONSTRUCTION DETAILS

N. REMOVE EXISTING BASE-MOUNTED CABINET AND CONTROLLER. CUT BACK CONCRETE FOUNDATION APPROXIMATELY 1' AND REPLACE CABINET AND CONTROLLER AS CLOSE TO THE BACK OF THE EXISTING CONCRETE PAD AS POSSIBLE.. (SEE TYPICAL)

V. INSTALL HANDHOLE (FRAME AND COVER) FOR TRAFFIC SIGNAL EQUIPMENT.

X. USE EXISTING HANDHOLE.

Y. INSTALL 6' X 30' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING QUADRUPOLE TYPE (2-4-2).

Z. INSTALL 6' X 20' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING QUADRUPOLE TYPE (2-4-2).

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

d. INSTALL 3" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SCHEDULE 80) (SLOTTED).

j. USE EXISTING CONDUIT.

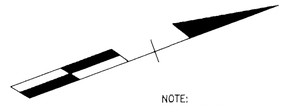
k. INSTALL PAVEMENT MARKING AS SHOWN.

m. EXISTING OVERHEAD ELECTRICAL SERVICE TO REMAIN.

n. INSTALL HANDHOLE (FRAME AND COVER) FOR TOWN OF OCEAN CITY UTILITY USE.

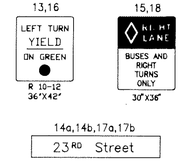
p. EXISTING OVERHEAD INTERCONNECT TO BE REMOVED AND REPLACED. (SEE WIRING DIAGRAM)

r. INSTALL PROPOSED 5-SECTION POLYCARBONATE TRAFFIC SIGNAL HEAD ONTO EXISTING MAST ARM AS SHOWN.

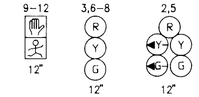


NOTE:
MD 528 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

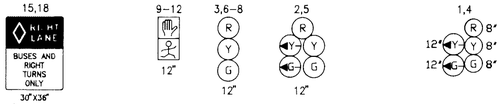
EXISTING SIGNS



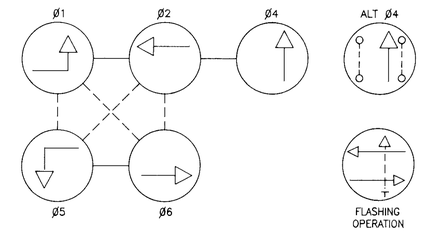
EXISTING SIGNALS



PROPOSED SIGNALS



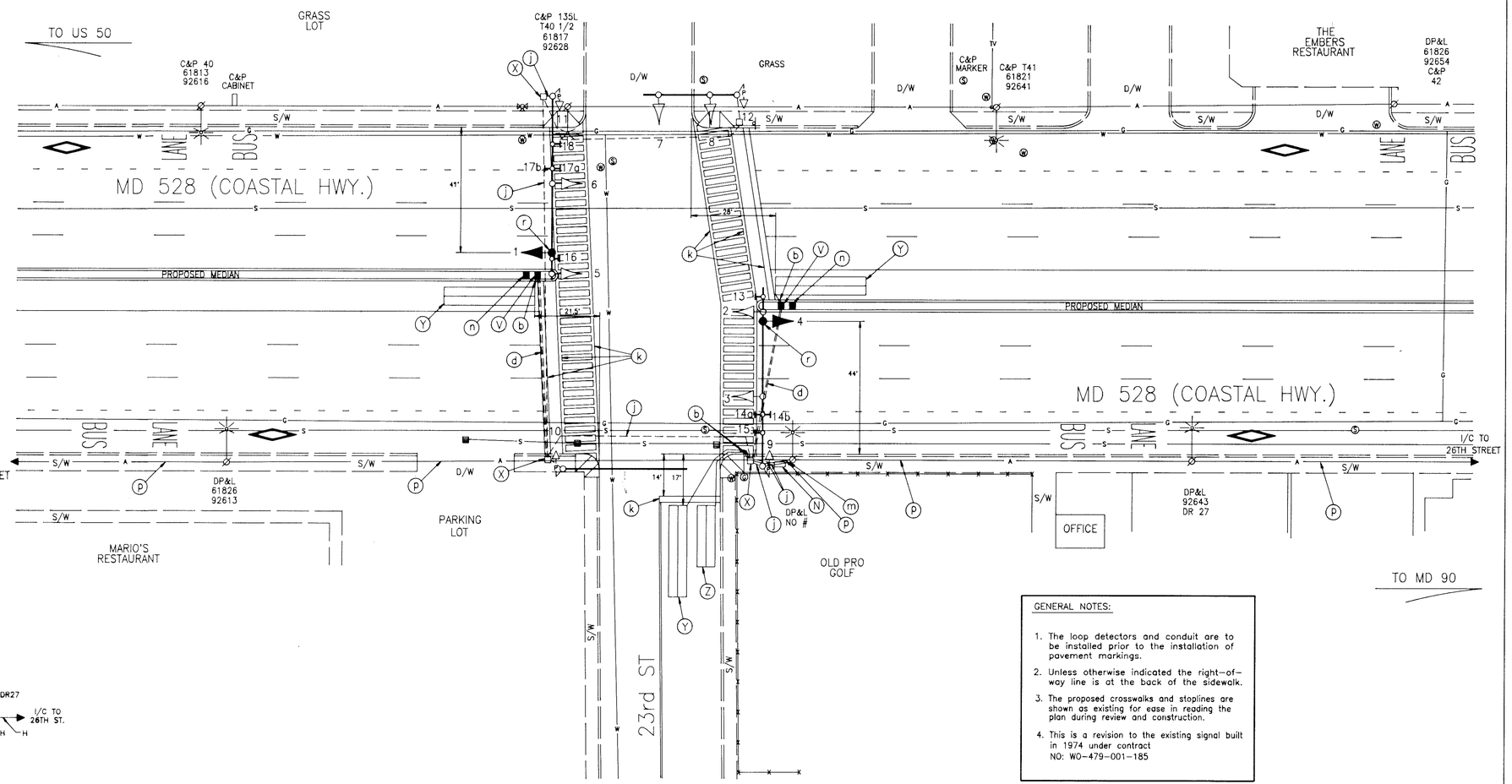
NEMA PHASING



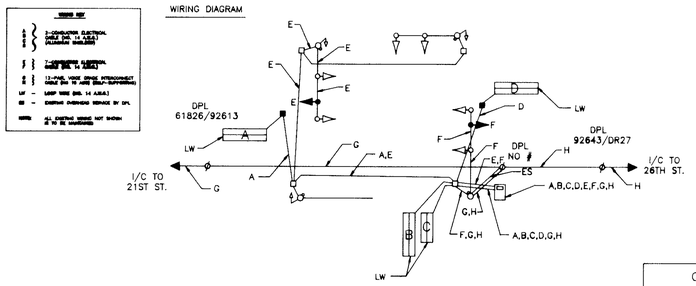
PHASING NOTES:
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

PHASING CHART

	1	2	3	4	5	6	7	8	9	10	11	12	
PHASE 1 & 5	R G	R G	R	R G	R G	R	R	R	DW	DW	DW	DW	
1 & 5 CHANGE	TO PHASE 1 & 6 OR PHASE 2 & 5								DW	DW	DW	DW	
PHASE 1 & 6	G G	G G	G	R	R	R	R	R	DW	DW	DW	DW	
1 CHANGE	G Y	G Y	G	R	R	R	R	R	DW	DW	DW	DW	
PHASE 2 & 5	R	R	R	G G	G G	G	R	R	DW	DW	DW	DW	
5 CHANGE	R	R	R	G Y	G Y	G	R	R	DW	DW	DW	DW	
PHASE 2 & 6	G	G	G	G	G	G	R	R	DW	DW	DW	DW	
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	DW	DW	DW	DW	
PHASE 4	R	R	R	R	R	R	G	G	DW	DW	DW	DW	
4 CHANGE	R	R	R	R	R	R	Y	Y	DW	DW	DW	DW	
PHASE 4 ALT	R	R	R	R	R	R	G	G	WK	WK	WK	WK	
PED CLEARANCE	R	R	R	R	R	R	G	G	FL/DW	FL/DW	FL/DW	FL/DW	
4 ALT CHANGE	R	R	R	R	R	R	Y	Y	DW	DW	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	DARK	DARK	



WIRING DIAGRAM



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. The proposed crosswalks and stoplines are shown as existing for ease in reading the plan during review and construction.
4. This is a revision to the existing signal built in 1974 under contract NO: WO-479-001-185

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

STREET TRAFFIC STUDIES, LTD.
Gateway International
1302 Concourse Drive, Suite 104
Linthicum, Maryland 21090
(410) 859-3553

2545-23

REVISIONS
A 3-25-96 ADD NEARSIDE TRAFFIC SIGNAL HEADS
S.H.A. NO. WO-700-201-183
R.R.Z.

APPROVALS
CHIEF, SIGNAL DESIGN SECTION
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC AND SAFETY

MDOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic and Safety
TRAFFIC ENGINEERING DESIGN DIVISION

LOG MILE: 23052807.04

DRAWN BY: R R ZACHERL (FOR STS)
DES. BY: R R ZACHERL (FOR STS)
CHK. BY:

MD 528 (COASTAL HWY.) AND 23rd ST
COUNTY WORCESTER

DATE: 1-29-87
SCALE: 1" = 20'
F.A.P. NO.
S.H.A. NO. WO-653-451-185
TS NO. 2313A
SHEET NO. ___ OF ___