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

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

CONSTRUCTION DETAILS

P. REMOVE EXISTING TRAFFIC SIGNAL HEAD AND R3-5 SIGN. REPLACE WITH PROPOSED 5-SECTION POLYCARBONATE TRAFFIC SIGNAL HEADS AND R10-12 SIGN AS SHOWN. USE EXISTING 7-CONDUCTOR ELECTRICAL CABLE FOR TRAFFIC SIGNAL HEAD #5. (SEE WIRING DIAGRAM.)

S. 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) NEW ELECTRICAL SERVICE IS TO BE INSTALLED ON THE SIDE OF THE CABINET AS SHOWN.

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).

a. INSTALL 1" GALVANIZED STEEL ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).

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

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

g. INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SCHEDULE 40) (TRENCHED).

j. USE EXISTING CONDUIT.

k. INSTALL PAVEMENT MARKING AS SHOWN.

l. EXISTING UNDERGROUND ELECTRICAL SERVICE TO BE REROUTED BY DP&L. (DUE TO RELOCATION OF CONTROLLER CABINET.)

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

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

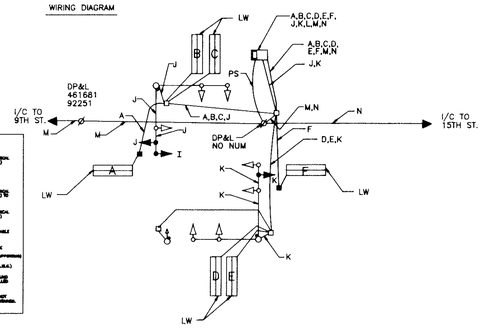
r. INSTALL PROPOSED 5-SECTION POLYCARBONATE TRAFFIC SIGNAL HEAD ONTO EXISTING MAST ARM AS SHOWN.

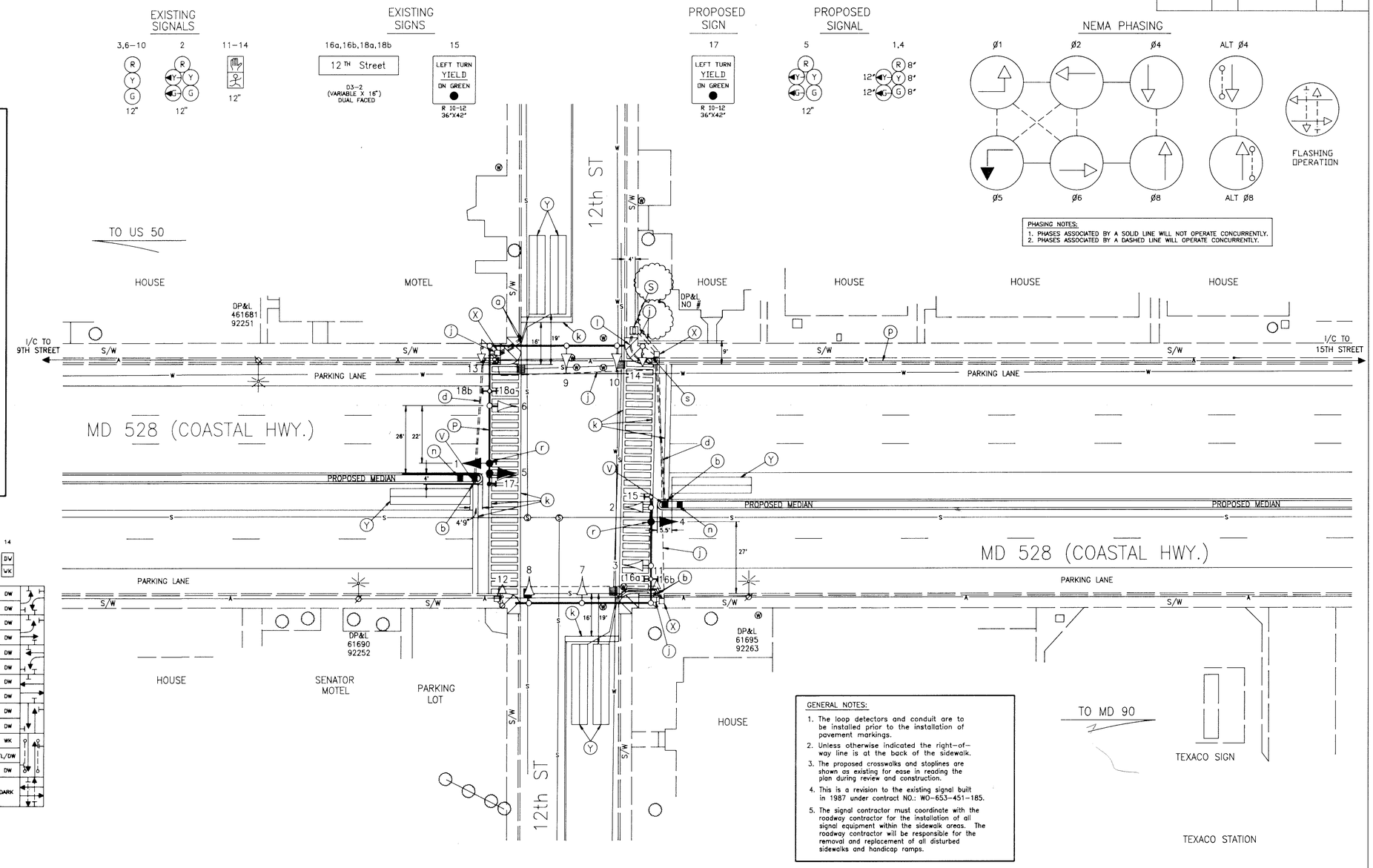
s. USE EXISTING CONDUIT. REMOVE AND REPLACE EXISTING INTERCONNECT CABLE. (SEE WIRING DIAGRAM)

PHASING CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 & 5	R G	R G	R	R G	R G	R	R	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	R	R	DW	DW	DW	DW
1 CHANGE	G Y	G Y	G	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 5	R	R	R	G G	G G	G	R	R	R	R	DW	DW	DW	DW
5 CHANGE	R	R	R	G Y	G Y	G	R	R	R	R	DW	DW	DW	DW
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R	DW	DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G	DW	DW	DW	DW
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4 & 8 ALT	R	R	R	R	R	R	G	G	G	G	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	FL/DW	FL/DW	FL/DW	FL/DW
4 & 8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	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 1987 under contract NO.: WO-653-451-185.
5. The signal contractor must coordinate with the roadway contractor for the installation of all signal equipment within the sidewalk areas. The roadway contractor will be responsible for the removal and replacement of all disturbed sidewalks and handicap ramps.

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

2545-12

REVISIONS

B	3-25-96	ADD SB MD 528 E/P LEFT TURN PHASE S.H.A. NO.: MD-700-201-183	
RRZ			
A	10-4-90	INSTALL LOOP DETECTORS ON SIDE STREET	
ERS			

APPROVALS

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

MDOT – STATE HIGHWAY ADMINISTRATION

Office of Traffic and Safety

TRAFFIC ENGINEERING DESIGN DIVISION

SIGNAL NUMBER: LOG MILE: 23052807.79

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

MD 528 (COASTAL HWY.) AND 12th ST.
COUNTY WORCESTER

DATE: 2-10-87 F.A.P. NO.
SCALE: 1"= 20' S.H.A. NO.

TS NO. 2312 B

SHEET NO. ___ OF ___