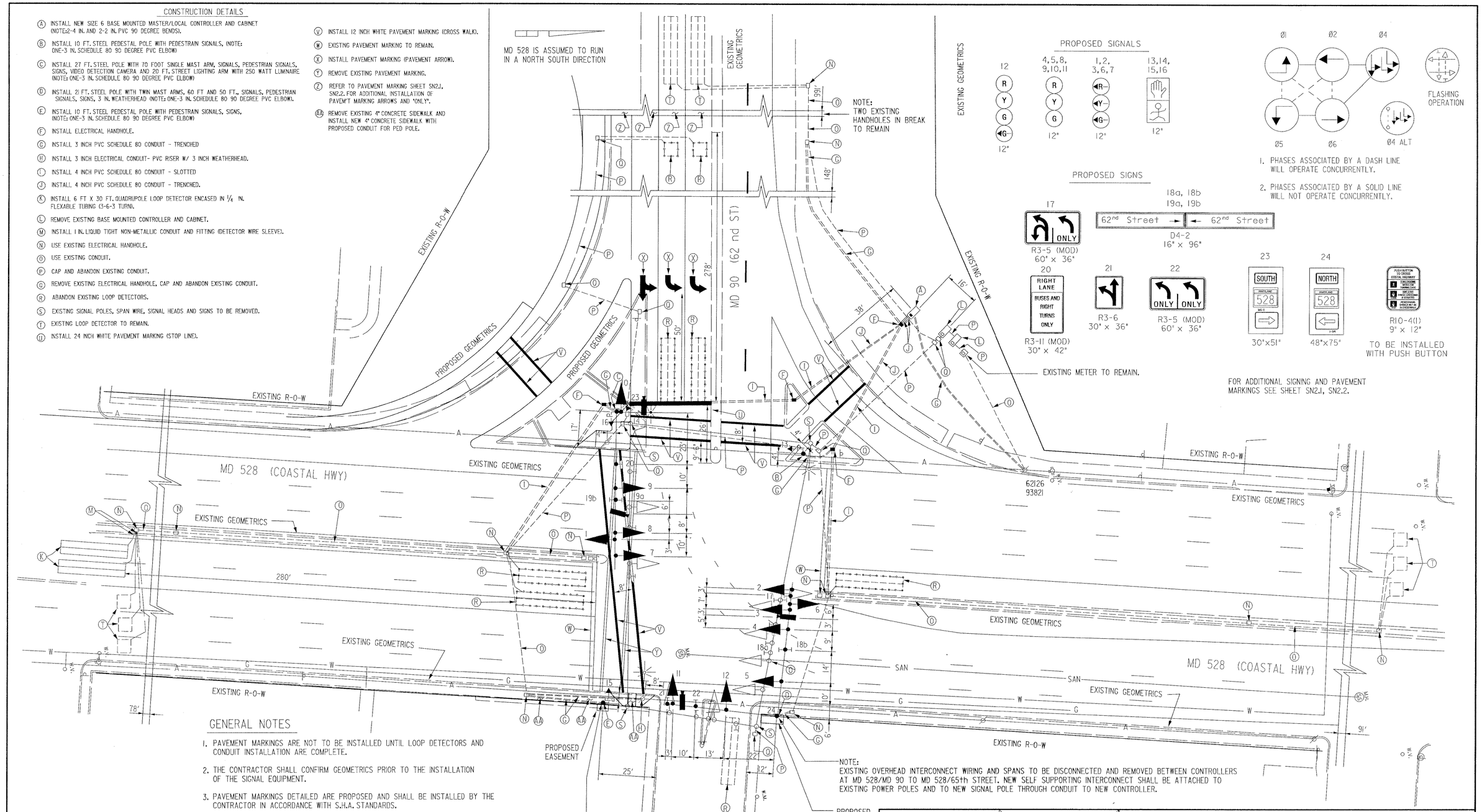
CONSTRUCTION DETAILS

- (A) INSTALL NEW SIZE 6 BASE MOUNTED MASTER/LOCAL CONTROLLER AND CABINET (NOTE:2-4 IN. AND 2-2 IN. PVC 90 DEGREE BENDS).
- (B) INSTALL 10 FT. STEEL PEDESTAL POLE WITH PEDESTRAIN SIGNALS, (NOTE: ONE-3 IN. SCHEDULE 80 90 DEGREE PVC ELBOW)
- (C) INSTALL 27 FT. STEEL POLE WITH 70 FOOT SINGLE MAST ARM, SIGNALS, PEDESTRIAN SIGNALS, SIGNS, VIDEO DETECTION CAMERA AND 20 FT. STREET LIGHTING ARM WITH 250 WATT LUMINAIRE (NOTE: ONE-3 IN. SCHEDULE 80 90 DEGREE PVC ELBOW)
- (D) INSTALL 21 FT. STEEL POLE WITH TWIN MAST ARMS, 60 FT AND 50 FT., SIGNALS, PEDESTRIAN SIGNALS, SIGNS, 3 IN. WEATHERHEAD (NOTE: ONE-3 IN. SCHEDULE 80 90 DEGREE PVC ELBOW).
- (E) INSTALL 10 FT. STEEL PEDESTAL POLE WITH PEDESTRAIN SIGNALS, SIGNS, (NOTE: ONE-3 IN. SCHEDULE 80 90 DEGREE PVC ELBOW)
- (F) INSTALL ELECTRICAL HANDHOLE.
- (G) INSTALL 3 INCH PVC SCHEDULE 80 CONDUIT - TRENCHED
- (H) INSTALL 3 INCH ELECTRICAL CONDUIT- PVC RISER W/ 3 INCH WEATHERHEAD.
- (I) INSTALL 4 INCH PVC SCHEDULE 80 CONDUIT - SLOTTED
- (J) INSTALL 4 INCH PVC SCHEDULE 80 CONDUIT - TRENCHED.
- (K) INSTALL 6 FT X 30 FT. QUADRUPOLE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXABLE TUBING (3-6-3 TURN).
- (L) REMOVE EXISTING BASE MOUNTED CONTROLLER AND CABINET.
- (M) INSTALL 1 IN. LIQUID TIGHT NON-METALLIC CONDUIT AND FITTING (DETECTOR WIRE SLEEVE).
- (N) USE EXISTING ELECTRICAL HANDHOLE.
- (O) USE EXISTING CONDUIT.
- (P) CAP AND ABANDON EXISTING CONDUIT.
- (Q) REMOVE EXISTING ELECTRICAL HANDHOLE, CAP AND ABANDON EXISTING CONDUIT.
- (R) ABANDON EXISTING LOOP DETECTORS.
- (S) EXISTING SIGNAL POLES, SPAN WIRE, SIGNAL HEADS AND SIGNS TO BE REMOVED.
- (T) EXISTING LOOP DETECTOR TO REMAIN.
- (U) INSTALL 24 INCH WHITE PAVEMENT MARKING (STOP LINE).
- (V) INSTALL 12 INCH WHITE PAVEMENT MARKING (CROSS WALK).
- (W) EXISTING PAVEMENT MARKING TO REMAIN.
- (X) INSTALL PAVEMENT MARKING (PAVEMENT ARROW).
- (Y) REMOVE EXISTING PAVEMENT MARKING.
- (Z) REFER TO PAVEMENT MARKING SHEET SN2.1, SN2.2. FOR ADDITIONAL INSTALLATION OF PAVEM'T MARKING ARROWS AND 'ONLY'.
- (AA) REMOVE EXISTING 4" CONCRETE SIDEWALK AND INSTALL NEW 4" CONCRETE SIDEWALK WITH PROPOSED CONDUIT FOR PED POLE.



PROPOSED SIGNALS

1. PHASES ASSOCIATED BY A DASH LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROPOSED SIGNS

FOR ADDITIONAL SIGNING AND PAVEMENT MARKINGS SEE SHEET SN2.1, SN2.2.

GENERAL NOTES

1. PAVEMENT MARKINGS ARE NOT TO BE INSTALLED UNTIL LOOP DETECTORS AND CONDUIT INSTALLATION ARE COMPLETE.
2. THE CONTRACTOR SHALL CONFIRM GEOMETRICS PRIOR TO THE INSTALLATION OF THE SIGNAL EQUIPMENT.
3. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS.
4. SEE PAVEMENT MARKNG SHEET FOR ADDITIONAL STRIPING.
5. STREET NAME AND ROUTE MARKER SIGNS ARE TO BE INSTALLED PARALLEL TO THE ROADWAY.
6. ALL SIGNAL EQUIPMENT TO BE INSTALLED TO FINAL GRADE.
7. ALL UNDER GROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL NOTIFY MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

NOTE:
EXISTING OVERHEAD INTERCONNECT WIRING AND SPANS TO BE DISCONNECTED AND REMOVED BETWEEN CONTROLLERS AT MD 528/MD 90 TO MD 528/65th STREET. NEW SELF SUPPORTING INTERCONNECT SHALL BE ATTACHED TO EXISTING POWER POLES AND TO NEW SIGNAL POLE THROUGH CONDUIT TO NEW CONTROLLER.

NOTE:
EXISTING OVERHEAD INTERCONNECT WIRING AND SPANS TO BE DISCONNECTED AND REMOVED BETWEEN CONTROLLERS AT MD 528/MD 90 TO MD 528/59th STREET. NEW SELF SUPPORTING INTERCONNECT SHALL BE ATTACHED TO EXISTING POWER POLES AND TO NEW SIGNAL POLE THROUGH CONDUIT TO NEW CONTROLLER.

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

REVISIONS				
H	10/12/2001	SHA * W06255187 RECONSTRUCT SIGNAL DUE TO GEOMETRIC CHANGE		
G	5/10/88	SHA * W0-653-451-185 INSTALL NEW MASTER CONTROLLER AND NEW SERVICE		
I.R.A.	S.R.		E.T.P.	T.H.
F	5/22/87	EXCLUS.I.T.'S FOR MD 528 SHA * 855 25004		
DCD	S.R.		E.T.P.	T.H.

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 90 / MD 528 INTERSECTION IMPROVEMENTS

DRAWN BY:	M. KAPLAN	F.A.P. NO.	HES-000S(43)	TS NO. 1429H	SHEET NO.
CHECKED BY:	NOT NOTED	S.H.A. NO.	AW-555-501-176		
SCALE:	1" = 20'	COUNTY:	WORCESTER	T.I.M.S. NO.	18 OF 21
DATE:	JULY 1, 1976	LOG MILE:	23009011.91		