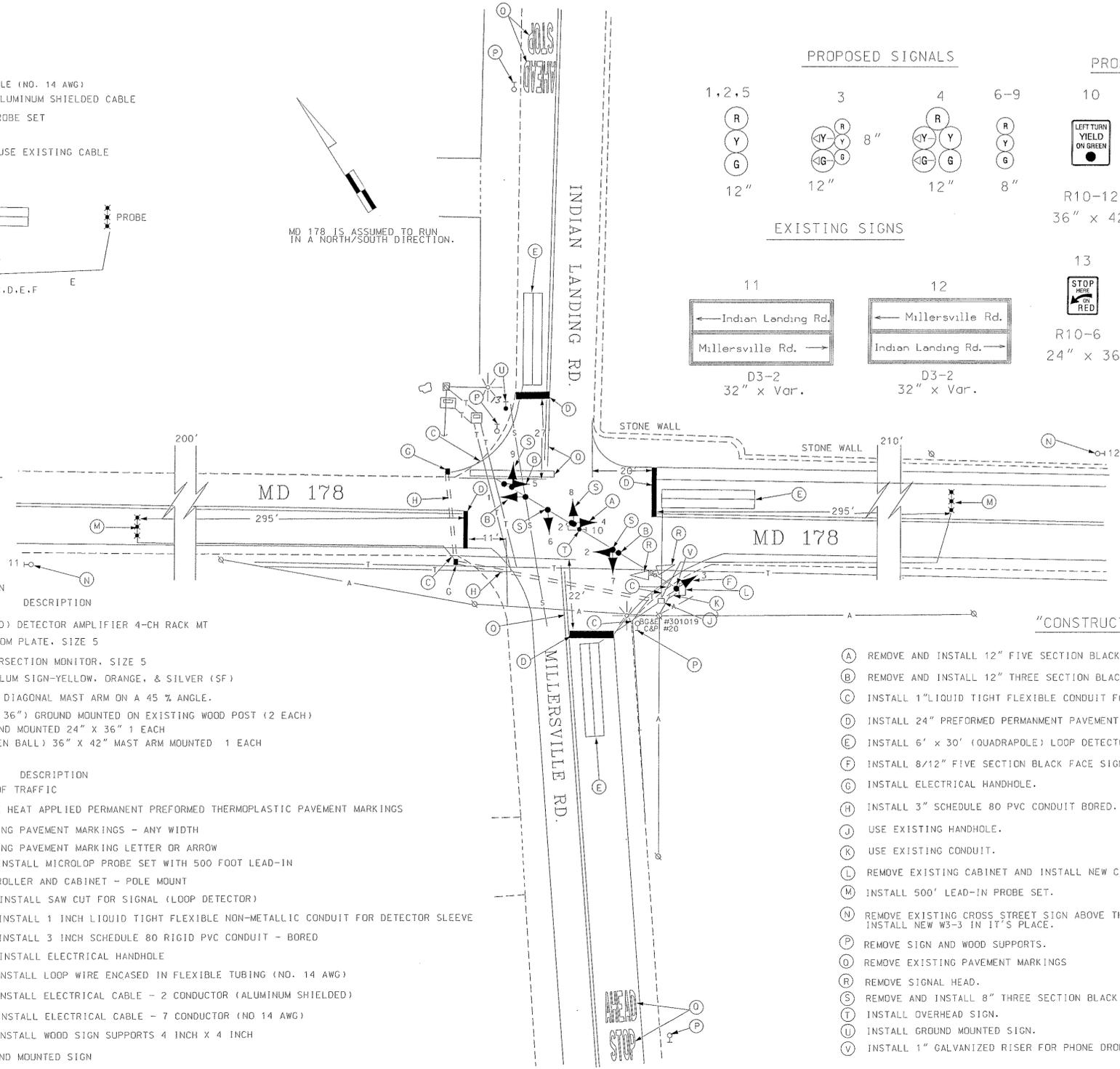


	1	2	3	4	5	6	7	8	9
	R	R	R	R	R	R	R	R	R
	Y	Y	Y	Y	Y	Y	Y	Y	Y
	G	G	G	G	G	G	G	G	G
Phase 2 & 5	R	R	←G-G	←G-G	G	R	R	R	R
5 Change	R	R	←Y-G	←Y-G	G	R	R	R	R
Phase 2 & 6	G	G	G	G	G	R	R	R	R
2 & 6 Change	Y	Y	Y	Y	Y	R	R	R	R
Phase 4 & 8	R	R	R	R	R	G	G	G	G
4 & 8 Change	R	R	R	R	R	Y	Y	Y	Y
Flashing	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R
Operation	←	←	←	←	←	←	←	←	←

THIS PROJECT INVOLVES UPGRADING THE EXISTING INTERSECTION CONTROL BEACON TO A FULL TRAFFIC SIGNAL WITH E/P LEFT TURN FROM NORTHBOUND MD 178 TO MILLERSVILLE ROAD.



**EQUIPMENT LISTS**

**A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION**

ITEM NO.	QUANTITY	DESCRIPTION
9002	2 EA	(CONT/CAB/ADD) DETECTOR AMPLIFIER 4-CH RACK MT
9077	1 EA	CABINET BOTTOM PLATE, SIZE 5
9080	1 EA	CABINET INTERSECTION MONITOR, SIZE 5
9089	34.5 SF	FLAT SHEET ALUM SIGN-YELLOW, ORANGE, & SILVER (SF)

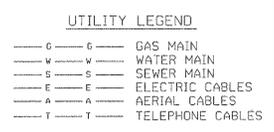
ALL MOUNTING HARDWARE IS FOR A DIAGONAL MAST ARM ON A 45% ANGLE.  
 W3-3 (SIGNAL AHEAD SIGN) 36" x 36" GROUND MOUNTED ON EXISTING WOOD POST (2 EACH)  
 R10-6A (STOP HERE ON RED) GROUND MOUNTED 24" x 36" 1 EACH  
 R10-12 (LEFT TURN YIELD ON GREEN BALL) 36" x 42" MAST ARM MOUNTED 1 EACH

**B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR**

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
5004	65 LF	24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5007	80 LF	REMOVE EXISTING PAVEMENT MARKINGS - ANY WIDTH
5008	18 EA	REMOVE EXISTING PAVEMENT MARKING LETTER OR ARROW
8016	2 EA	FURNISH AND INSTALL MICROLOP PROBE SET WITH 500 FOOT LEAD-IN
8019	1 EA	INSTALL CONTROLLER AND CABINET - POLE MOUNT
8021	1000 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8023	50 LF	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8029	120 LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
8033	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8040	1450 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8041	175 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8045	20 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)
8050	17 LF	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 INCH X 4 INCH
8052	6 SF	INSTALL GROUND MOUNTED SIGN
8053	28.5 SF	INSTALL OVERHEAD SIGN
8059	1 EA	DELIVERY OF REMOVED CONTROLLER, CABINET AND GALVANIZED SIGNAL STRUCTURE
8060	1 EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8065	30 LF	FURNISH AND INSTALL 1 INCH RIGID METAL ELECTRICAL GALVANIZED CONDUIT RISER
8084	16 EA	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8085	15 EA	FURNISH AND INSTALL 8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION

**C. MATERIAL TO BE REMOVED AND RETURNED TO STATE HIGHWAY ADMINISTRATION**

POLE MOUNTED CABINET  
 ALL OTHER EXISTING SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.



REVISIONS	APPROVALS
A .01/98 - RELOCATE SIGNAL POLE TO S/W CORNER SHIA NO. AW2195/05	ORIGINAL
B	ON
C	FILE

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

MD. 178 (GENERALS HWY.) & MILLERSVILLE ROAD/  
 INDIAN LANDING ROAD

DRAWN BY: D.C. Distance  
 CHECKED BY: Steve Renzi  
 SCALE: 1" = 20'  
 DATE: 7/1986

F.A.P. NO. TS-2203 B  
 S.H.A. NO. AA 63 ASE/BSC  
 COUNTY: ANNE ARUNDEL  
 LOG MILE: 02017806.67

TS NO. E. 418  
 SHEET NO. 1 OF 1