PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF THE PEDESTRIAN SIGNALS ON THE WEST LEG OF THE INTERSECTION.
MD 198 RUNS IN A EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX (6) PHASE, FULLY-TRAFFIC-ACTUATED MODE WITH AN EXCLUSIVE/ PERMISSIVELEFT TURNS FOR BOTH EASTBOUND AND WESTBOUND MD 198. MD 198 THROUGH MOVEMENTS WILL RUN CONCURRENTLY. THE RUSSETT GREEN/ ENTRANCE TO CORRIDOR MARKETPLACE MOVEMENTS WILL OPERATE AS SIDE STREET SPLITS.

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
	89.6 S.F.	1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN. "EAST. MARYLAND 198. (RIGHT ARROW)". 30" x 51". POLE MOUNTED HARDWARE
		1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN. "WEST. MARYLAND 198. (LEFT ARROW)". 48" x 75". POLE MOUNTED HARDWARE
		1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN. "WEST. MARYLAND 198. (RIGHT ARROW)". 30" x 51". POLE MOUNTED HARDWARE
		1 EACH ASSOCIATED SHIELD ASSEMBLY SIGN. "EAST. MARYLAND 198. (LEFT ARROW)". 48" x 75". POLE MOUNTED HARDWARE
		2 EACH PUSHBUTTON W/ R10-4(1) SIGN. "PUSH BUTTON TO CROSS LAUREL FORT MEADE ROAD". 9" x 12". POLE MOUNTED HARDWARE
		1 EACH W11A-2 SIGN. 30" x 30". M6-2(L) SIGN. 21" x 15". POLE MOUNTED HARDWARE
		1 EACH W11A-2 SIGN. 30" x 30". M6-2(R) SIGN. 21" x 15". POLE MOUNTED HARDWARE

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	1 C.Y.	CLASS II EXCAVATION
2002	1 C.Y.	TEST PIT EXCAVATION
5002	670 L.F.	F & I 12" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5003	225 L.F.	F & I 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
5004	225 L.F.	REMOVE EXISTING PAVEMENT MARKING - ANY WIDTH
5005	4 EACH	F & I HEAT APPLIED WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTER
5006	3 EACH	F & I HEAT APPLIED WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING - ARROW
5007	3 EACH	REMOVE EXISTING PAVEMENT MARKINGS - ARROW OR LETTER
6001	30 L.F.	F & I DEPRESSED CURB & GUTTER
6002	30 L.F.	F & I TYPE A COMB. CURB & GUTTER - 12" x 8"
6004	75 S.F.	F & I 4" CONCRETE SIDEWALK
8014	4 EACH	F & I 12" PEDESTRIAN SIGNAL HEAD SECTION
8021	2 EACH	F & I 10' BREAKAWAY PEDESTAL POLE AND BASE
8022	1 EACH	F & I A CONDUIT BEND IN THE EXISTING BASE
8031	25 L.F.	F & I 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8034	25 L.F.	F & I 4" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8038	30 L.F.	F & I NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8042	45 L.F.	F & I 4" SCHEDULE 80 RIGID PVC CONDUIT - BORED
8046	20 L.F.	F & I LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8049	2 EACH	F & I ELECTRICAL HANDHOLE
8050	89.6 S.F.	INSTALL GROUND MOUNTED SIGN
8057	2 EACH	F & I GROUND ROD
8060	435 L.F.	F & I ELECTRICAL CABLE - 2-CONDUCTOR (NO. 14 AWG)
8061	445 L.F.	F & I ELECTRICAL CABLE - 3-CONDUCTOR (NO. 14 AWG)
8064	920 L.F.	F & I LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8065	250 L.F.	F & I SAWCUT FOR SIGNAL (LOOP DETECTOR)
8066	2 EACH	INSTALL PUSHBUTTON AND SIGN

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION

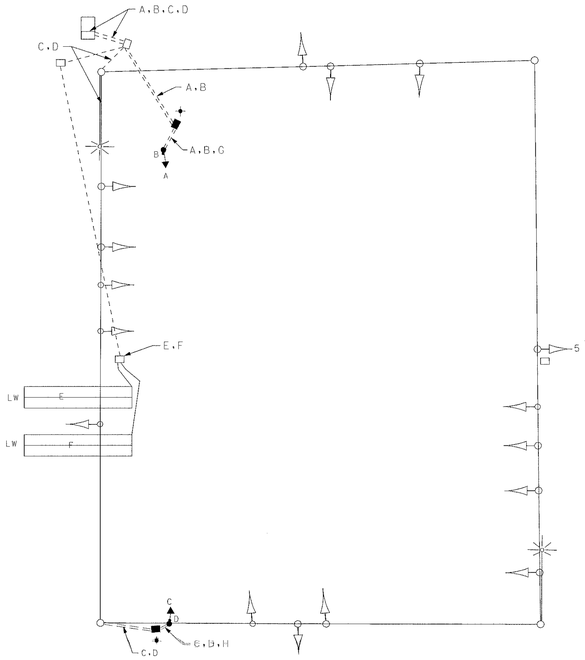
ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17-18
PHASE 2 & 5	←R—	←R—	←R—	R	R	←G—	←G—	←G—	G	G	R	R	R	R	R	R	DW
5 CHANGE	←R—	←R—	←R—	R	R	←Y—	←Y—	←Y—	G	G	R	R	R	R	R	R	DW
PHASE 2 & 6	←R—	←R—	←R—	G	G	←R—	←R—	←R—	G	G	R	R	R	R	R	R	DW
2 CHANGE	←R—	←R—	←R—	G	G	←R—	←R—	←R—	Y	Y	R	R	R	R	R	R	DW
PHASE 1 & 6	←G—	←G—	←G—	G	G	←R—	←R—	←R—	R	R	R	R	R	R	R	R	DW
1 & 6 CHANGE	←Y—	←Y—	←Y—	Y	Y	←R—	←R—	←R—	R	R	R	R	R	R	R	R	DW
PHASE 3	←R—	←R—	←R—	R	R	←R—	←R—	←R—	R	R	←G-G	←G-G	G	R	R	R	DW
3 CHANGE	←R—	←R—	←R—	R	R	←R—	←R—	←R—	R	R	Y	Y	Y	R	R	R	DW
PHASE 4	←R—	←R—	←R—	R	R	←R—	←R—	←R—	R	R	R	R	R	←G-G	←G-G	G	DW
4 CHANGE	←R—	←R—	←R—	R	R	←R—	←R—	←R—	R	R	R	R	R	Y	Y	Y	DW
4 ALT.	←R—	←R—	←R—	R	R	←R—	←R—	←R—	R	R	R	R	R	←G-G	←G-G	G	WK
PED. CLEAR	←R—	←R—	←R—	R	R	←R—	←R—	←R—	R	R	R	R	R	←G-G	←G-G	G	FL/DW
4 ALT. CHANGE	←R—	←R—	←R—	R	R	←R—	←R—	←R—	R	R	R	R	R	Y	Y	Y	DW
FLASHING OPERATION	FL/RA	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK

WIRING DIAGRAM

A-B = 3-CONDUCTOR CABLE (NO. 14 AWG)
C-D = 2-CONDUCTOR CABLE (NO. 14 AWG)
E-F = USE THE EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE
G-H = NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
LW = LOOP WIRE
✦ = GROUND ROD



REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

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

MD 198 and Russett Green East/ Ent. to Corridor Marketplace
Maryland City, Maryland

DRAWN BY: W. Malcolm	F.A.P. NO. N/A	T.S. NO. TS-3150 (B)	SHEET NO.
CHECKED BY:	S.H.A. NO. 2385-1250286 5		
SCALE: NOT TO SCALE	COUNTY ANNE ARUNDEL	T.I.M.S. NO.	
DATE: June, 2001	LOG MILE 02019823.90	E488	2 OF 2