

EQUIPMENT TO BE SUPPLIED BY THE SHA.

QUANTITY		SPECIFICATION		DESCRIPTION
UNIT	SECTION			
1	EA	SP		EIGHT-PHASE, FULL-TRAFFIC-ACTUATED, SOLID STATE DIGITAL CONTROLLER WITH L.A.U. AND L.A.U. PANEL WITH ASSOCIATED HARNESS HOUSED IN A NEMA SIZE '6' BASE MOUNTED CABINET
3	EA	SP		FOUR-CHANNEL, TIME DELAY OUTPUT, LOOP DETECTOR AMPLIFIER
2	EA	SP		PEDESTRIAN PUSHBUTTON AND SIGN
43	SF	813		FLAT SHEET ALUMINUM SIGNS CONSISTING OF: - 1 EACH R3-5L (30' X 36')-SPAN WIRE MOUNT - 1 EACH R3-6LR (30' X 36')-SPAN WIRE MOUNT - 1 EACH R10-12 (36' X 42')-SPAN WIRE MOUNT - 1 EACH ASSOCIATED SHIELD ASSEMBLY (24' X51') - 1 EACH ASSOCIATED SHIELD ASSEMBLY (30' X51')

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

QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
3	CY	205	TEST PIT EXCAVATION
90	LF	556	24 INCH WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE
1	EA	816	INSTALL CONTROLLER AND CABINET- BASE MOUNT
43	SF	813	INSTALL OVERHEAD SIGN
2	EA	SP	INSTALL PUSHBUTTON AND SIGN
2	EA	818	FURNISH AND INSTALL 20 FOOT LIGHTING ARM ON SIGNAL STRUCTURE
3	EA	811	FURNISH AND INSTALL ELECTRICAL HANDHOLE
11	CY	801	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
25	LF	805	FURNISH AND INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
70	LF	805	FURNISH AND INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
20	LF	805	FURNISH AND INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
1	EA	887	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT
2	EA	806	FURNISH AND INSTALL 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE WITH PHOTOCCELL
4	EA	804	FURNISH AND INSTALL GROUND ROD-3/4 INCH DIAMETER X 10-FOOT LENGTH
400	LF	810	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
750	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE- 2 CONDUCTOR (ALUMINUM SHIELDED)
925	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE- 2 CONDUCTOR (NO 14 AWG)
180	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE- 1 CONDUCTOR (NO 4 AWG)

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

QUANTITY	UNIT	SPECIFICATION		DESCRIPTION
		LF	SECTION	
400	LF	810		FURNISH AND INSTALL ELECTRICAL CABLE- 3 CONDUCTOR (NO 14 AWG)
650	LF	810		FURNISH AND INSTALL ELECTRICAL CABLE- 5 CONDUCTOR (NO 14 AWG)
1300	LF	810		FURNISH AND INSTALL ELECTRICAL CABLE- 7 CONDUCTOR (NO 14 AWG)
410	LF	810		FURNISH AND INSTALL LOOP WIRE ENCASED IN 1/4" FLEXIBLE TUBING (NO 14 AWG)
115	LF	815		FURNISH AND INSTALL SAWCUT FOR SIGNAL (LOOP DETECTOR)
275	LF	SP		RELOCATE EXISTING COMMUNICATION CABLE
500	LF	819		FURNISH AND INSTALL STEEL SPAN WIRE-1/4 INCH DIAMETER
500	LF	819		FURNISH AND INSTALL STEEL SPAN WIRE-3/8 INCH DIAMETER
6	EA	814		FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
6	EA	814		FURNISH AND INSTALL 12 INCH PEDESTRIAN SIGNAL HEAD SECTION - POLE MOUNT
4	EA	SP		FURNISH AND INSTALL 12 INCH X 30 FOOT STRAIN POLE
1	LS	SP		REMOVE AND DISPOSE OF EXISTING EQUIPMENT
1	LS	SP		REMOVE AND SALVAGE EXISTING SIGNAL EQUIPMENT
1	LS	SP		DELIVERY OF SALVAGED EQUIPMENT

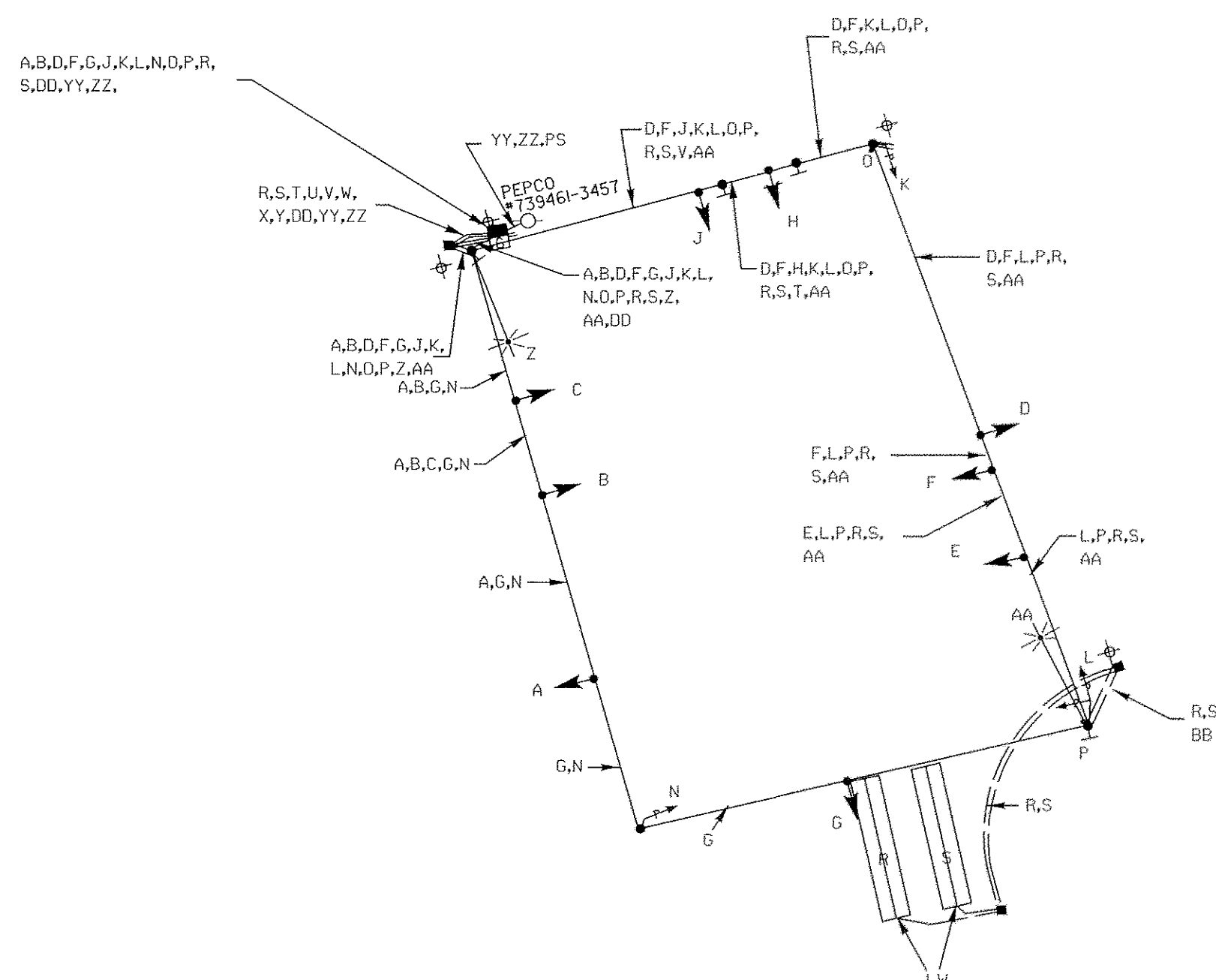
NOTE: ALL EQUIPMENT AND/OR MATERIALS TO BE REMOVED BY THE CONTRACTOR, BUT NOT LISTED BELOW, SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

QUANTITY	UNIT	DESCRIPTION
1	EA	CONTROLLER AND CABINET

TEMPORARY WIRING NOTES:

- 1) NEW AND RELOCATED SIGNAL HEADS SHALL BE WIRED WITH SUFFICIENT CABLE TO PROVIDE REALIGNMENT IN SUBSEQUENT CONSTRUCTION PHASES.
- 2) EXISTING WIRING FOR EQUIPMENT WHICH IS TO BE REMOVED OR ABANDONED SHALL BE REMOVED AND DISPOSED.
- 3) EXISTING WIRING NOT DETAILED SHALL BE MAINTAINED UNLESS OTHERWISE NOTED.

TSP	50
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WIRING KEY

B,F,G,J,L - 7-CONDUCTOR ELECTRICAL CABLE (NO.14 AWG)
A,C,E,H - 5-CONDUCTOR ELECTRICAL CABLE (NO.14 AWG)
R,S - 2-CONDUCTOR ELECTRICAL CABLE (NO.14 AWG)
ALUMINUM SHIELDED
K,N - 3-CONDUCTOR ELECTRICAL CABLE (NO.14 AWG)
L - 2-CONDUCTOR CABLE TYPE T/C (NO.12 AWG)
O,P - 2-CONDUCTOR ELECTRICAL CABLE (NO.14 AWG)
LW - LOOP WIRE (NO.14 AWG)
YY,ZZ - 50 PAIR COMMUNICATION CABLE, JELLY FILLED
BB,CC,DD - STRANDED BARE COPPER GROUND WIRE
(NO. 6 AWG)
PS - 3/4" x 10' GROUND ROD
+ - POWER FEED 3-CONDUCTOR ELECTRICAL CABLE (NO. 4 AWG)



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REVISIONS				APPROVALS				 MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION SHEET PHASE I CONSTRUCTION MD 28 (KEY WEST AVE) AND DARNESTOWN RD.							
PROJECT MANAGER, SIGNAL DESIGN DIVISION				ORIGINAL ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION ON CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION FILE DIRECTOR, TRAFFIC & SAFETY											
ADDENDUM NO. 3				DRAWN BY: W.W.C./T.E.L.				F.A.P. NO.				TS NO.			
NEW SHEET				CHECKED BY: JOHN C. RICE				S.H.A. NO.				2640A-GIX-1			
12/19/00				SCALE: NONE				COUNTY: MONTGOMERY				T.J.M.S. NO.			
A.H.				DATE: 6-13-85				LOG MILE: 1500278-.21				D107			
												SHEET NO.			
												OF			