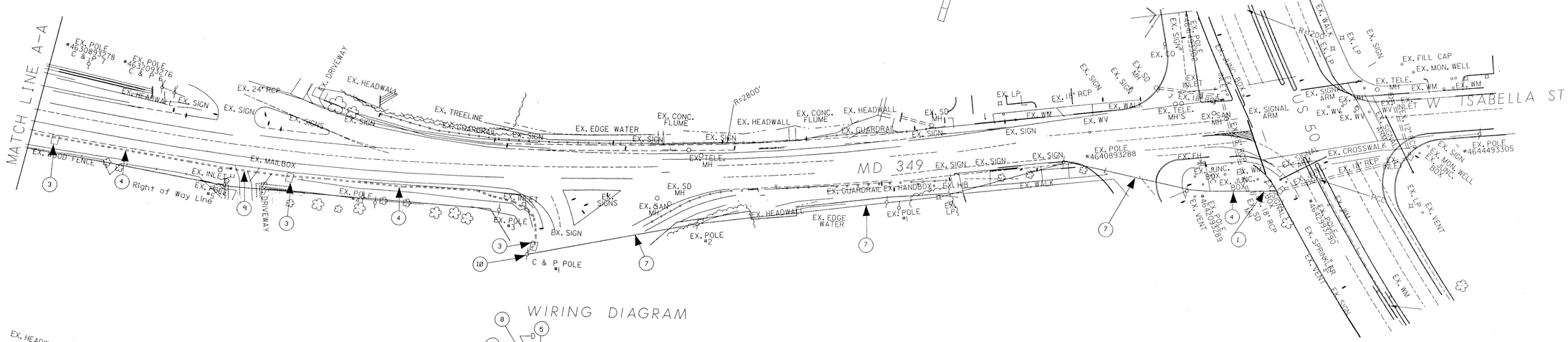
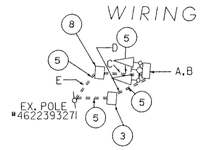
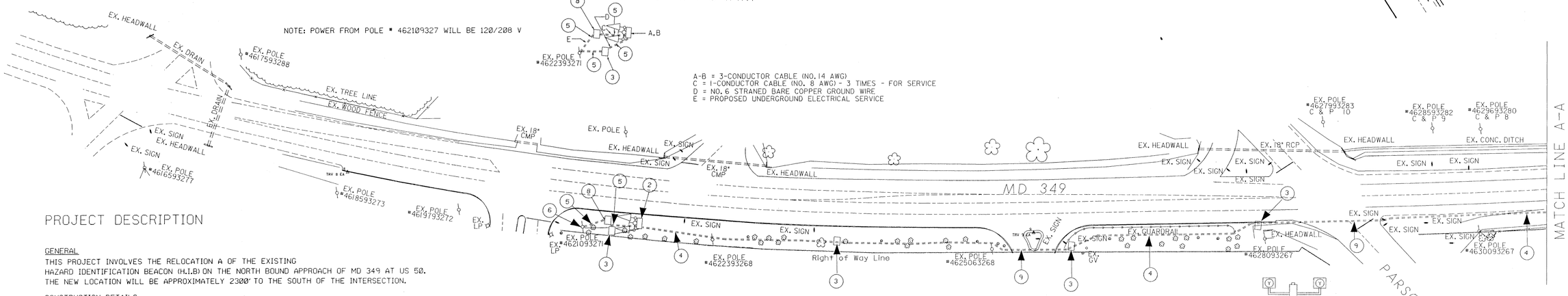


WIRING DIAGRAM



NOTE: POWER FROM POLE # 462109327 WILL BE 120/208 V

A-B = 3-CONDUCTOR CABLE (NO.14 AWG)
C = 1-CONDUCTOR CABLE (NO. 8 AWG) - 3 TIMES - FOR SERVICE
D = NO.6 STRANED BARE COPPER GROUND WIRE
E = PROPOSED UNDERGROUND ELECTRICAL SERVICE



PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE RELOCATION A OF THE EXISTING HAZARD IDENTIFICATION BEACON (H.I.B) ON THE NORTH BOUND APPROACH OF MD 349 AT US 50. THE NEW LOCATION WILL BE APPROXIMATELY 2300' TO THE SOUTH OF THE INTERSECTION.

CONSTRUCTION DETAILS

1. DISCONNET THE H.I.B.FROM THE EXISTING CONTROL CABINET.(BY SHA)
2. RELOCATE THE H.I.B. AND INSTALL NEW 'G' CABINET,CONCRETE PAD, AND CONCRETE FOUNDATION / 2 -2" PVC 90° BENDS
3. INSTALL THE PROPOSED HANDHOLE
4. INSTALL 3" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED)
5. INSTALL 2" SCHEDULE 80 PVC ELECTRIAL CONDUIT
6. INSTALL 2-2" BEND AT BOTTOM OF UTILITY POLE (FOR SERVICE)/ AND INTERCONNECT
7. INSTALL 12 PAIR INTERCONNECT CABLE FROM EXISTING CONTROL BOX USING OVERHEAD POLES.
8. INSTALL SERVICE PEDESTAL
9. INSTALL 3" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED)
10. INSTALL 3" ELECTRICAL CONDUIT SCHEDULE 80 PVC RISER

A. EQUIPMENT TO BE FURNISHED BY ADMINSTRATION

QUANTITY	DESCRIPTION
1 EACH	'G' POLE MOUNTED CABINET WITH CONTROLLER

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

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINT. OF TRAFFIC PER ASSIGNMENT
2001	2 CY	TEST PIT EXCAVATION
6001	24 SF	4 IN. CONCRETE SIDEWALK (CONCRETE PAD)
8000	1 EACH	REMOVE AND REINSTALL H.I.B. (TO BE NEGOTIATED)
8000	1 EACH	SERVICE PEDESTAL (TO BE NEGOTIATED)
8001	4 CY	FURNISH AND INSTALL CONRETE FOR SIGNAL FOUNDATION
8020	1 EACH	INSTALL CONTROLLER AND CABINET- BASE MOUNT
8027	1150 LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC TRENCHED
8029	225 LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC BORED
8033	7 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8034	1 EACH	FURNISH AND INSTALL GROUND ROD¾IN DIA. X 10' LENGTH
8035	1 EACH	FURNISH AND INSTALL CONNECTOR KIT TYPE 1
8036	1 EACH	FURNISH AND INSTALL CONNECTOR KIT TYPE 2
8038	800 LF	F & I 12 PAIR COMMUNICATION CABLE
8039	1375 LF	F & I 12 PAIR COMMUNICATION CABLE (JELLYFILLED)
8043	100 LF	F & I ELECTRICAL CABLE 3 CONDUCTOR (NO.14 AWG)
8044	100 LF	F & I ELECTRICAL CABLE5 CONDUCTOR (NO.14 AWG)
8047	100 LF	F & I ELECTRICAL CABLE 1 CONDUCTOR (NO.8 AWG)
8048	20 LF	F & I NO.6 STRANDED BARE COPPER GROUND WIRE
8063	20 LF	F & I 3 INCH ELECTRICAL CONDUIT
		SCHEDULE 80 PVC RISER

REVISIONS	APPROVALS
	08-02-99 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	8/2/99 ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	8/2/99 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	8/4/99 DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 349 RELOCATE DRAWBRIDGE SIGN

DRAWN BY: R. WALTO	F.A.P. NO. AC-STPG-000S(683)E	TS NO. TS-3935	SHEET NO.
CHECKED BY: S.NARAYAN	S.H.A. NO. W1707A53/053		
SCALE: 1:50'	COUNTY: WICOMICO	T.I.M.S. NO. D-284	1 OF 1
DATE: AUGUST 2, 1999	LOG MILE: 0349022.04		