PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF PUSHBUTTON ACTUATED FIREHOUSE HAZARD IDENTIFICATION BEACONS FOR THE WESTSIDE COMPANY FIREHOUSE LOCATED AT MD. 349 IN BIVALVE, WICOMICO COUNTY.

CONTROLLER REQUIREMENT

AN 8 PHASE CONTROLLER WITH INTERSECTION MONITOR WITH BATTERY BACKUP AND BASE MOUNTED CABINET WILL BE INSTALLED AT THE FIREHOUSE.

SPECIAL NOTE

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF S.H.A. AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACT IS TO PROVIDE MR. SNYDER WITH THE NEAREST ADDRESS, ZIP CODE AND PHONE NUMBER.

CONSTRUCTION DETAILS:

1. INSTALL 14' BREAKAWAY PEDESTAL POLE, PHOTOCELL, SIGNAL HEADS AND SIGNS (NOTE: 1-2 In SCHEDULE 80 PVC BEND).
2. INSTALL HANDHOLE.
3. INSTALL 2" SCHEDULE 80 PVC CONDUIT, TRENCHED.
4. INSTALL 3" SCHEDULE 80 PVC CONDUIT, TRENCHED FOR SERVICE.
5. INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH PRE-EMPTION MODULE. (NOTE: 1-2 In., 2-3 In. AND 1-4 In. SCHEDULE 80 PVC BENDS).
6. INSTALL PUSHBUTTON AND TROUGH IN FIREHOUSE (CONTACT: CHIEF JOE DICKERSON AT (410) 873-2222 FOR EXACT LOCATION OF PUSHBUTTON).
7. INSTALL 4" SCHEDULE 80 PVC CONDUIT, TRENCHED.
8. INSTALL 2" SCHEDULE 80 PVC CONDUIT, BORED.
9. INSTALL HANDHOLE AND GROUND ROD.
10. INSTALL 3" SCHEDULE 80 PVC CONDUIT - TRENCHED FOR PHONE DROP.

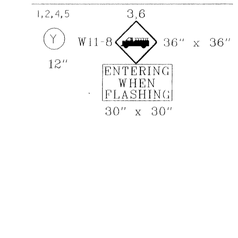
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

QUANTITY	DESCRIPTION
1 EA.	CABINET SIZE "5"
4 EA.	12" 1-WAY, 1-SECTION (Y) SIGNAL HEAD, PEDESTAL MT.
1 EA.	CABINET EXTENSION BASE, SIZE 5
1 EA.	PUSHBUTTON
1 EA.	CONTROLLER ASC IIW/ TELEMETRY
31.0 S.F.	2 EA. W11-8 SIGN, 36" x 36", "ENTERING WHEN FLASHING", 30" x 30", POLE MOUNTED HARDWARE
1 EA.	INTERSECTION MONITOR IIW/ BATTERY BACKUP

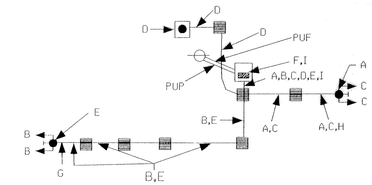
B. EQUIPMENT TO BE FURNISH AND/ OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA.	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
2001	1.0 C.Y.	TEST PIT EXCAVATION
8001	4.5 C.Y.	F & I CONCRETE FOR SIGNAL FOUNDATION
8003	2 EA.	F & I BREAKAWAY PEDESTAL POLE
8011	4 EA.	INSTALL SIGNAL HEAD
8020	1 EA.	INSTALL CONTROLLER AND CABINET-BASE MOUNT
8024	950 L.F.	F & I 2" SCHEDULE 80 PVC CONDUIT-TRENCHED
8026	60 L.F.	F & I 2" SCHEDULE 80 PVC CONDUIT-BORED
8027	40 L.F.	F & I 3" SCHEDULE 80 PVC CONDUIT-TRENCHED
8030	15 L.F.	F & I 4" SCHEDULE 80 PVC CONDUIT-TRENCHED
8033	7 EA.	F & I ELECTRICAL HANDHOLE
8034	3 EA.	F & I GROUND ROD
8042	50 L.F.	F & I ELECTRICAL CABLE-2 CONDUCTOR (NO. 14 AWG)
8043	750 L.F.	F & I ELECTRICAL CABLE-3 CONDUCTOR (NO. 14 AWG)
8044	750 L.F.	F & I ELECTRICAL CABLE-5 CONDUCTOR (NO. 14 AWG)
8048	15 L.F.	F & I ELECTRICAL CABLE-1 CONDUCTOR (NO. 8 AWG)
8049	20 L.F.	F & I NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8053	31.0 S.F.	INSTALL GROUND MOUNTED SIGN
8073	2 EA.	F & I PHOTOCELL
NEG.	1 EA.	INSTALL PUSHBUTTON IN FIREHOUSE

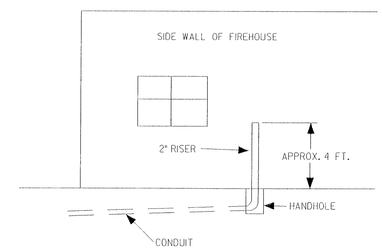
PROPOSED SIGNALS & SIGNS

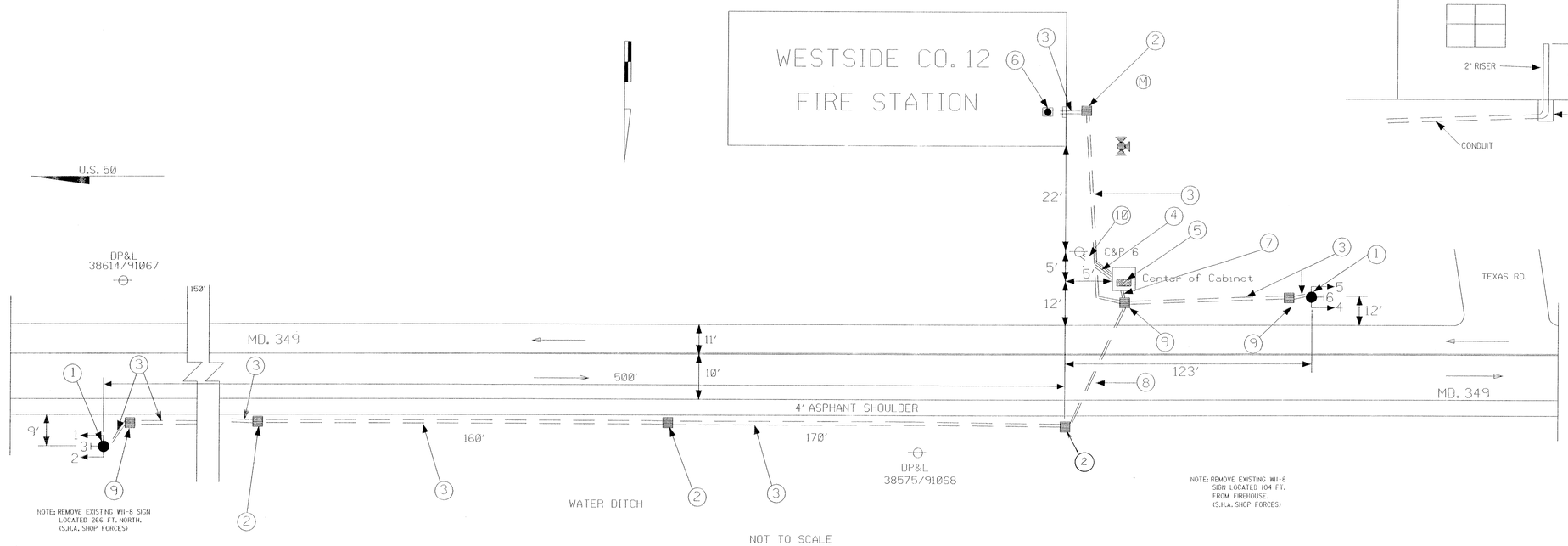


WIRING DIAGRAM



A = 3 CONDUCTOR (#14 AWG)
B = 5 CONDUCTOR (#14 AWG)
C = 5 CONDUCTOR (#14 AWG)
D = 2 CONDUCTOR (#14 AWG)
E = 3 CONDUCTOR (#14 AWG)
F = 1 CONDUCTOR (#8 AWG) - 3 TIMES - FOR SERVICE
G-1= NO. 6 STRANDED BARE COPPER GROUND WIRE - FOR GROUND ROD
PUF = PROPOSED UNDERGROUND FEED BY DP&L
PUP = PROPOSED UNDERGROUND PHONE DROP





REVISIONS	APPROVALS	MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. DIVISION CHIEF, TEDD 3/26/98	MD. 349 AT WESTSIDE CO. 12 FIREHOUSE BIVALVE, MARYLAND
	ASST. DISTRICT ENGINEER, TRAFFIC	SIGNAL NO. 22034905.00 DATE 3/98
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 3/26/98	DRAWN BY: F. WARD DES. BY: F. WARD CHECK BY: [illegible] SCALE: NONE
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY 3/30	F.A.P. NO. AW276A57/B57 S.H.A. NO. COUNTY WICOMICO PLAN SHEET NO.: TS-3792 SHEET NO. 1 OF 1

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