MD 155 RUNS IN A EAST-WEST DIRECTION.

EXISTING SIGNS

8-9 SCHOOL

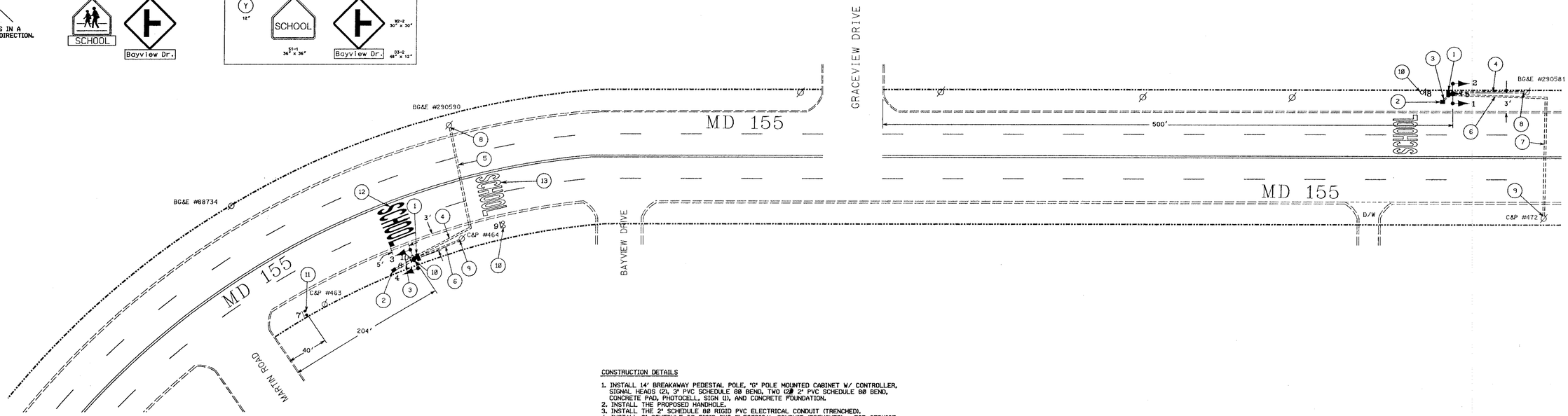
10 Bayview Dr.

PROPOSED SIGNALS & SIGNS

1-4 Y 12"

5-6 SCHOOL S1-1 36" x 36"

7 Bayview Dr. W2-2 30" x 30" D3-2 48" x 12"



CONSTRUCTION DETAILS

1. INSTALL 14' BREAKAWAY PEDESTAL POLE, "G" POLE MOUNTED CABINET W/ CONTROLLER, SIGNAL HEADS (2), 3" PVC SCHEDULE 80 BEND, TWO (2) 2" PVC SCHEDULE 80 BEND, CONCRETE PAD, PHOTOCELL, SIGN (1), AND CONCRETE FOUNDATION.
2. INSTALL THE PROPOSED HANDHOLE.
3. INSTALL THE 2" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
4. INSTALL 3" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR SERVICE.
5. INSTALL 3" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED) - FOR SERVICE.
6. INSTALL 2" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR TELEPHONE DROP.
7. INSTALL 2" SCHEDULE 80 PVC ELECTRICAL CONDUIT (BORED) - FOR TELEPHONE DROP.
8. INSTALL 3" BEND AT THE BOTTOM OF THE UTILITY POLE FOR SERVICE.
9. INSTALL 2" BEND AT THE BOTTOM OF THE UTILITY POLE FOR TELEPHONE DROP.
10. REMOVE THE EXISTING SIGN.
11. INSTALL THE PROPOSED SIGN.
12. INSTALL THE PROPOSED PAVEMENT MARKING (SCHOOL).
13. REMOVE THE EXISTING PAVEMENT MARKING.

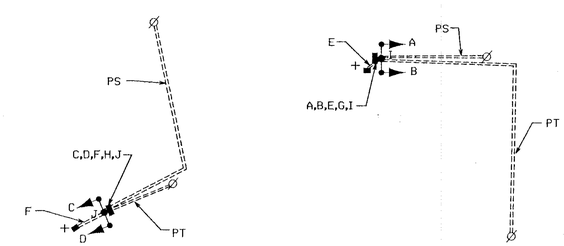
PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF HAZARD IDENTIFICATION BEACONS (H.I.B.'S) ON THE EAST, AND WEST APPROACHES ON MD 155 FOR THE INTERSECTION OF MD 155 AND GRACEVIEW DRIVE IN HARFORD COUNTY. MEADOWDALE ELEMENTARY SCHOOL IS LOCATED ON GRACEVIEW DRIVE.
MD 155 RUNS IN A EAST-WEST DIRECTION.

WIRING DIAGRAM

A-D = 3-CONDUCTOR CABLE (NO. 14 AWG)
E-F = NO. 6 STRANDED BARE COPPER GROUND WIRE
G-H = 1-CONDUCTOR CABLE (NO. 8 AWG) - 3 TIMES - FOR SERVICE
I-J = 3-CONDUCTOR CABLE (NO. 14 AWG) - FOR PHOTOCELL
PS = PROPOSED UNDERGROUND ELECTRICAL SERVICE
PT = PROPOSED TELEPHONE DROP
+ = GROUND ROD



A. EQUIPMENT TO BE FURNISHED BY ADMINISTRATION

QUANTITY	DESCRIPTION
2 EACH	CONTROLLER ASC II W/ NIC AND INTERSECTION MONITOR II WITH BATTERY BACK-UP FOR PHONE DROP HOUSED IN A "G" SIZE CABINET
28.3 S.F.	2 EACH S1-1 SIGN, 36" x 36", POLE MOUNTED HARDWARE
	1 EACH W2-2 SIGN, 30" x 30", D3-2 SIGN, "Bayview Dr.", 48" x 12", POLE MOUNTING 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.	TEST PIT EXCAVATION
5005	6 EACH	F & I PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTER
5008	6 EACH	REMOVE EXISTING PAVEMENT MARKING - LETTER
6001	24 S.F.	F & I 4 IN. CONCRETE SIDEWALK
8001	2 C.Y.	F & I CONCRETE FOR SIGNAL FOUNDATION
8003	2 EACH	F & I 14' BREAKAWAY PEDESTAL POLE AND BASE
8019	2 EACH	INSTALL CONTROLLER & CABINET - POLE MOUNT
8024	200 L.F.	F & I 2" SCHEDULE 80 RIGID PVC CONDUIT (TRENCHED)
8026	70 L.F.	F & I 2" SCHEDULE 80 RIGID PVC CONDUIT (BORED)
8027	200 L.F.	F & I 3" SCHEDULE 80 RIGID PVC CONDUIT (TRENCHED)
8029	80 L.F.	F & I 3" SCHEDULE 80 RIGID PVC CONDUIT (BORED)
8033	2 EACH	F & I ELECTRICAL HANDHOLE
8034	2 EACH	F & I GROUND ROD - 3/4" DIA. x 10' LENGTH
8035	2 EACH	F & I CONNECTOR KIT - TYPE 1
8036	2 EACH	F & I CONNECTOR KIT - TYPE 2
8043	50 L.F.	F & I ELECTRICAL CABLE - 3 CONDUCTOR (NO.14 AWG)
8047	60 L.F.	F & I ELECTRICAL CABLE - 1 CONDUCTOR (NO. 8 AWG) TYPE THWN/THHN, 600V
8048	20 L.F.	F & I NO. 6 STRANDED BARE COPPER GROUND WIRE
8051	30 L.F.	F & I WOOD SIGN SUPPORTS - 4" x 6"
8052	28.3 S.F.	INSTALL GROUND MOUNTED SIGNS
8060	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8066	2 EACH	F & I CONTROL AND DISTRIBUTION EQUIPMENT (120/240 V. 1 PHASE 3 WIRE SYST)
8069	2 EACH	F & I PHOTOCELL
8084	4 EACH	F & I BLACK FACED VEHICULAR TRAFFIC SIGNAL HEAD SECTION

REVISIONS

APPROVALS

5/23/00
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

for Dimitrios A. Zafiris
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

5/23/00
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

5/23/00
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

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

MD 155 AND GRACEVIEW DRIVE
HAVRE DE GRACE, MARYLAND

DATE: 05/ 2000

DRAWN BY:
CHECKED BY:
SCALE: NOT TO SCALE
DATE: May, 2000

F.A.P. NO. AC-STPG-0005(685)E
S.H.A. NO. HA182A5581C558
COUNTY HARFORD
LOG MILE: 12015508.38

T.S. NO. TS-4000
T.I.M.S. NO.: D776

SHEET NO. 1 OF 1

G:\BALTIMORE\MDSHA\SHA\SHA May, 22, 2000 12:23:41