

LW - LOOP WIRE (NO 14 AWG)
 PS - PROPOSED UNDERGROUND SERVICE
 * - FUTURE

WIRING KEY

LEGEND

	EXISTING	PROPOSED
STEEL POLE	○	○
MAST ARM		▶
SIGNAL HEAD	○	○
PEDESTRIAN SIGNAL HEAD	○	○(P)
STREET LIGHT	○	○
SIGNS		T
HAND BOX		□
CONTROL CABINET		□
CONDUIT	—	—
TELEPHONE CONDUIT	—T—	
ELECTRIC	—E—	
SANITARY	—S—	
WATER	—W—	
STORMDRAIN	—SD—	

SIGNAL WIRING DIAGRAM

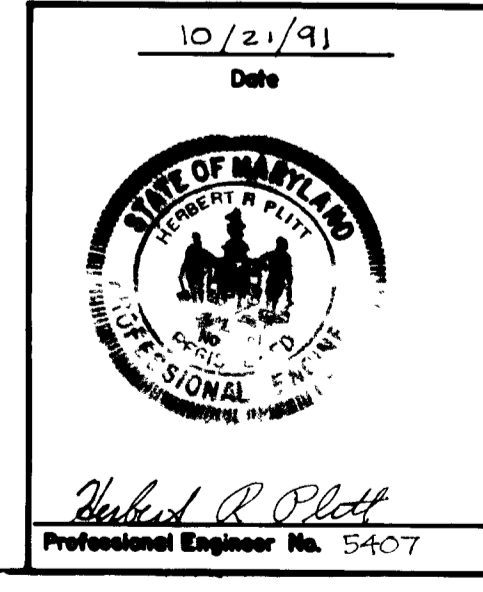
CONSTRUCTION NOTES

- A INSTALL POLE WITH SUPPORT ARM WITH 54 FT SPREAD TO SUPPORT THREE SIGNAL HEADS (NOS 1,2,8,9) INSTALL SIGNAL HEAD (NO 15) ON POLE USING ADJUSTABLE BRACKET MOUNT, INSTALL 1-2" PVC 90° ELBOW
- B INSTALL POLE WITH SUPPORT ARM WITH 52 FT SPREAD TO SUPPORT THREE SIGNAL HEADS (NOS 3,4,10,11) INSTALL PEDESTRIAN SIGNAL PUSHBUTTON ON POLE INSTALL 1-2" PVC 90° ELBOW
- C INSTALL POLE WITH SUPPORT ARM WITH 60 FT SPREAD TO SUPPORT FOUR SIGNAL HEADS (NOS 3,4,10,11) INSTALL SIGNAL HEAD (NO 13) ON POLE USING ADJUSTABLE BRACKET MOUNT, INSTALL PEDESTRIAN SIGNAL PUSHBUTTON ON POLE, INSTALL 1-2" PVC 90° ELBOW
- D INSTALL POLE WITH SUPPORT ARM WITH 54 FT SPREAD TO SUPPORT THREE SIGNAL HEADS (NOS 7,8,14) INSTALL PEDESTRIAN SIGNAL PUSHBUTTON ON POLE INSTALL 1-2" PVC 90° ELBOW
- E INSTALL PEDESTAL POLE WITH TWO PEDESTRIAN SIGNAL HEADS AND PUSHBUTTONS 1-2" PVC ELBOW
- G INSTALL BASE MOUNTED CONTROLLER CABINET, CONTROLLER AND ALL NECESSARY EQUIPMENT, INSTALL 1-2" AND 2-4" PVC 90° ELBOWS
- H INSTALL 6' X 40' QUADRUPOLE LOOP DETECTOR (2-4-2 TURNS) LOOP WIRE ENCASED IN FLEXIBLE TUBING
- I INSTALL 6' X 6' LOOP DETECTOR (3 TURNS) LOOP WIRE ENCASED IN FLEXIBLE TUBING
- J INSTALL HANDBOX
- K INSTALL 1" GALVANIZED STEEL CONDUIT SLEEVE FOR DETECTOR LEAD IN
- L INSTALL 2" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED)
- M INSTALL PEDESTAL POLE WITH ONE PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON 1-2" PVC ELBOW
- N INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
- O INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED)
- P INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (PUSHED)
- Q INSTALL 3" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
- R 2 1/2" WHITE STOP LINE MARKING BY OTHERS
- S 4" WHITE LANE LINE MARKING BY OTHERS
- T RIGHT TURN ARROW BY OTHERS
- U LEFT TURN ARROW BY OTHERS
- V ELECTRIC FEED AND METER BY B & E
- W INSTALL 4" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED)
- X INSTALL 4" GALVANIZED STEEL ELECTRICAL CONDUIT (PUSHED)

GENERAL NOTES

- 1 THE PROPOSED HIGHWAY MARKING AND SIGNING SHALL BE INSTALLED BY HOWARD COUNTY
- 2 THE UTILITIES SHOWN ON THE CONSTRUCTION PLAN ARE SCHEMATIC ONLY AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES CAN BE LOCATED IN THE FIELD. THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO WEEKS IN ADVANCE OF THE CONSTRUCTION OPERATION IN THE VICINITY OF THE UTILITIES. ANY DAMAGE INCURRED BY THE CONTRACTOR SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 MISS UTILITY - 1-800-257-7777
 BALTIMORE GAS & ELECTRIC CO - UNDERGROUND ELECTRIC DISTRIBUTION ENGINEERING "DAMAGE CONTROL" - 234-5691
 CHESAPEAKE AND POTOMAC TELEPHONE CO - 752-9976
 TRAFFIC DIVISION - 313-2430
 HOWARD COUNTY CABLE TV - 464-1156
 BUREAU OF UTILITIES, HOWARD COUNTY - 313-4900
- 3 CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH HOWARD COUNTY STANDARD SPECIFICATION AND DETAIL FOR CONSTRUCTION DESIGN MANUAL VOLUME IV
- 4 ALL NEW SIGNAL HEADS SHALL BE SECURELY WRAPPED AND/OR BAGGED IN BURLAP, PRIOR TO SIGNAL BEING PLACED IN SERVICE
- 5 THE CONTRACTOR SHALL COMPLY WITH OSHA AND MSHA CODES
- 6 THE CONTRACTORS SHALL COMPLY WITH THE FOLLOWING
 MAINTAIN SIX INCHES MINIMUM CLEARANCE WITH ALL UNDERGROUND UTILITIES AND ALL OVERHEAD CLEARANCES SHALL BE IN ACCORDANCE WITH THE MARYLAND HIGH VOLTAGE ACT
- 7 THE CONTRACTOR WILL SUPPLY ALL THE OTHER HARDWARE AND AUXILIARY EQUIPMENT REQUIRED FOR THE COMPLETION OF THE PROJECT AND ENSURE PROPER SIGNAL OPERATION AS DESIGNED AND SHOWN ON THE PLANS

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>[Signature]</i> DIRECTOR OF PUBLIC WORKS	DATE 11/19/91
<i>[Signature]</i> CHIEF, BUREAU OF ENGINEERING	DATE 11-19-91
<i>[Signature]</i> CHIEF, TRAFFIC ENGINEERING DIV	DATE 11/19/91
BY NO.	REVISION



PHOENIX ENGINEERING, INC. CONSULTING ENGINEERS BALTIMORE, MARYLAND 21228		
AREA	BROKEN LAND PARKWAY	
TITLE	TRAFFIC SIGNAL PLAN BROKEN LAND PARKWAY AND LITTLE PATUXENT PARKWAY	
Des By H.R.P.	Scale AS SHOWN	Proj No 89-0040
Drn By J.W.B.	Date JAN 1991	Drawing No 2 OF 2
CHK By S.P.	Approved	

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