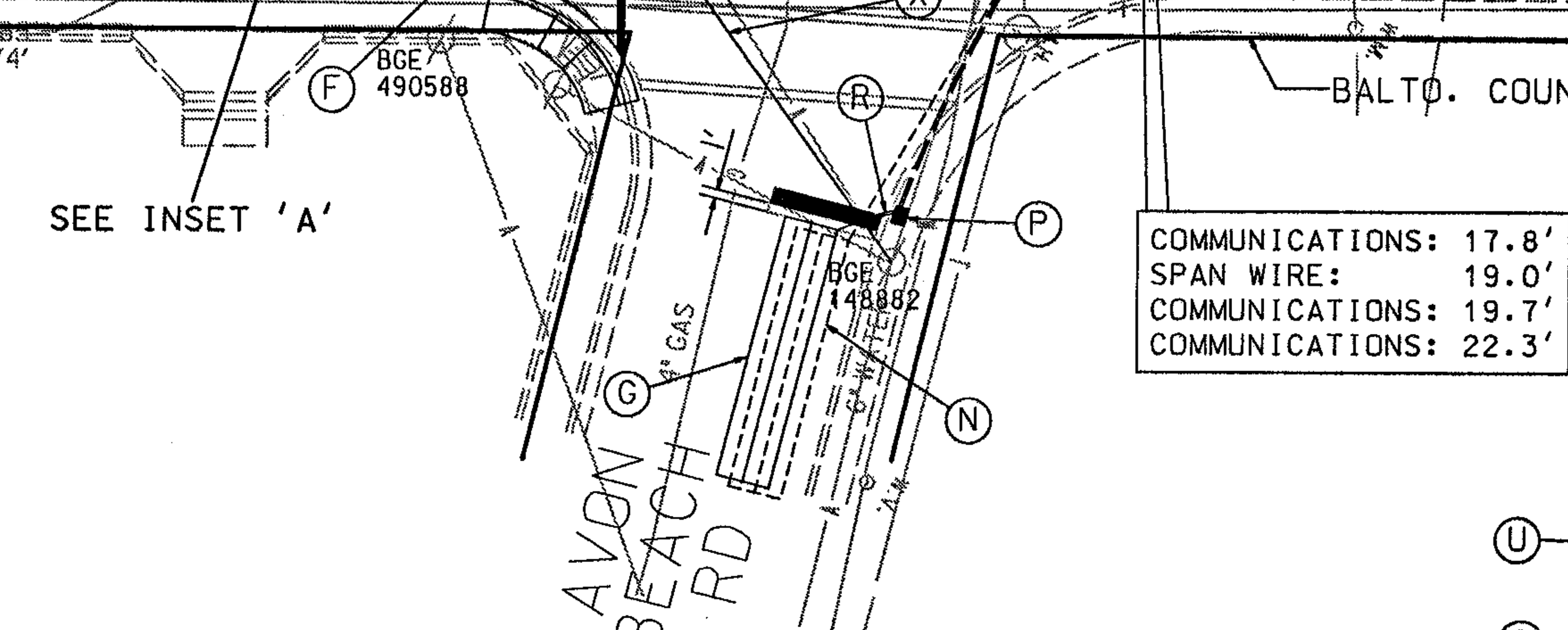

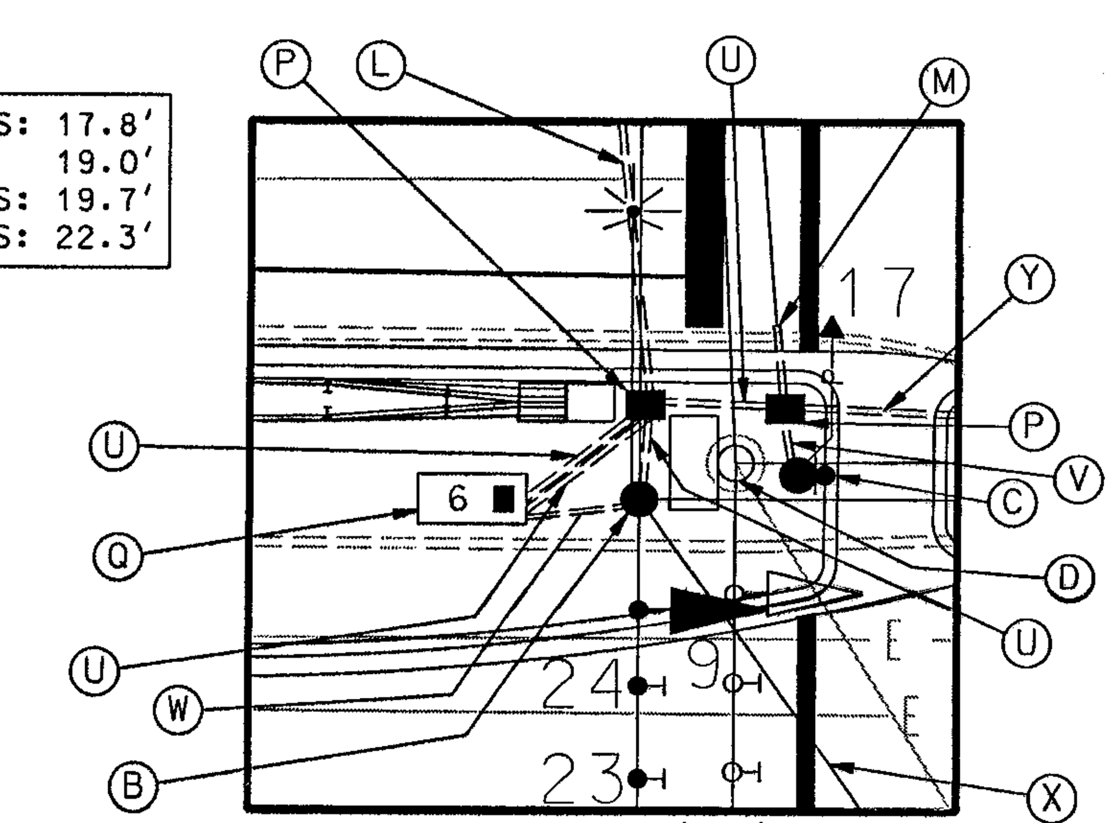

INSET 'A'
INSET SCALE 1"=10'

CONSTRUCTION DETAILS

A. INSTALL MAST ARM POLE WITH TWIN 50'/50' MAST ARMS (CUT ARMS TO 40'/32' RESPECTIVELY), SIGNAL HEADS, NEW MAST ARM-MOUNTED SIGNS, SALVAGED POLE-MOUNTED SIGNS, AND LIGHTING ARM WITH 250 WATT HPS LUMINAIRE WITH PHOTOCELL, AS SHOWN. (MAST ARMS AT 180 DEGREES) NOTE: ONE 4" PVC SCHEDULE 80 CONDUIT BEND.
B. INSTALL MAST ARM POLE WITH TRIPLE 50'/70'/50' MAST ARMS (CUT ARMS TO 50'/65'/25' RESPECTIVELY), SIGNAL HEADS, NEW MAST ARM-MOUNTED SIGNS, SALVAGED POLE-MOUNTED SIGNS, LIGHTING ARM WITH 250 WATT HPS LUMINAIRE WITH PHOTOCELL, ONE 2 INCH RISER WITH WEATHERHEAD AND CONTROL AND DISTRIBUTION EQUIPMENT, AS SHOWN. NOTE: ONE 4" PVC SCHEDULE 80 CONDUIT BEND.
C. INSTALL 10' BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD, PEDESTRIAN PUSHBUTTON AND SIGNS. NOTE: ONE 3" PVC SCHEDULE 80 CONDUIT BEND.
D. REMOVE EXISTING POLE, SIGNALS, CABINET, SPAN WIRE, ELECTRICAL CABLES AND REMOVE EXISTING FOUNDATION TO 12" BELOW FINAL GRADE. REMOVE AND SALVAGE POLE-MOUNTED SIGNS FOR RE-INSTALLATION.
E. INSTALL 12 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS AS SHOWN (CROSSWALK)
F. INSTALL 24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS AS SHOWN (STOP LINE)
G. INSTALL 6'x30' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING QUADRUPOLE TYPE (3-6-3 TURNS)
H. INSTALL NON-INVASIVE DETECTOR WITH 1,000 FOOT LEAD-IN CABLE AND 3" NON-INVASIVE DETECTOR CARRIER PIPE
I. INSTALL NON-INVASIVE DETECTOR WITH 500 FOOT LEAD-IN CABLE AND 3" NON-INVASIVE DETECTOR CARRIER PIPE.
J. USE EXISTING HANDHOLE
K. USE EXISTING CONDUIT
L. INSTALL 4" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
M. INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE)

CONSTRUCTION DETAILS (CONT'D.)

N. ABANDON EXISTING LOOP.
P. INSTALL NEW HANDHOLE
Q. INSTALL NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER
R. INSTALL 1" GALVANIZED CONDUIT SLEEVE FOR DETECTOR WIRE
S. ABANDON EXISTING HANDHOLE
T. ABANDON EXISTING CONDUIT
U. INSTALL 4" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
V. INSTALL 3" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
W. INSTALL 2" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
X. PROPOSED OVERHEAD POWER FEED AND PHONE DROP
Y. INSTALL 4" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED

UTILITY LEGEND

—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—A—A—	AERIAL CABLES
—T—T—	TELEPHONE CABLES

GENERAL NOTES

1. REFER TO THE PAVEMENT MARKING PLAN FOR GUIDANCE ON INSTALLING ALL PROPOSED PAVEMENT MARKINGS (EXCEPT CROSSWALKS & STOP LINES)
2. ALL PROPOSED PAVEMENT MARKINGS ARE TO BE INSTALLED IN ACCORDANCE WITH S.H.A. STANDARDS
3. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
4. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER IF ANY UTILITY CONFLICTS SHOULD ARISE.
5. LOOP DETECTORS, NON-INVASIVE DETECTORS, AND CONDUITS ARE TO BE INSTALLED PRIOR TO INSTALLATION OF FINAL PAVEMENT SURFACE.
6. ALL TRAFFIC SIGNAL STRUCTURE FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED TO THE PROPOSED FINAL GRADE.

TRAFFIC SIGNALIZATION PLAN — SG - 1 OF SG - 2

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REVISIONS
A REPLACE FAILED LOOP DETECTORS 3/01 SHA NO.: AW-579-501-085 FAP. NO.: AC-CMB-STP6-0005(190)E
RCS
B EXCLUSIVE LEFT TURN PHASING, PED SIGNALS, XWALKS & MAST ARMS 12/16/03 MdTA NO.: KB 396-000-006
JCP

APPROVALS
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY
ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 695A (BROENING HIGHWAY) & AVON BEACH ROAD / MARYLAND AVENUE
TURNER STATION, MARYLAND

DRAWN BY:	H. KILIAN	F.A.P. NO.	N/A	TS NO. 1516B	SHEET NO.
CHECKED BY:	N/A	S.H.A. NO.	N/A		
SCALE:	1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO.	
DATE:	5/31/77	LOG MILE:	03A69500.88	F-790	56 OF 66