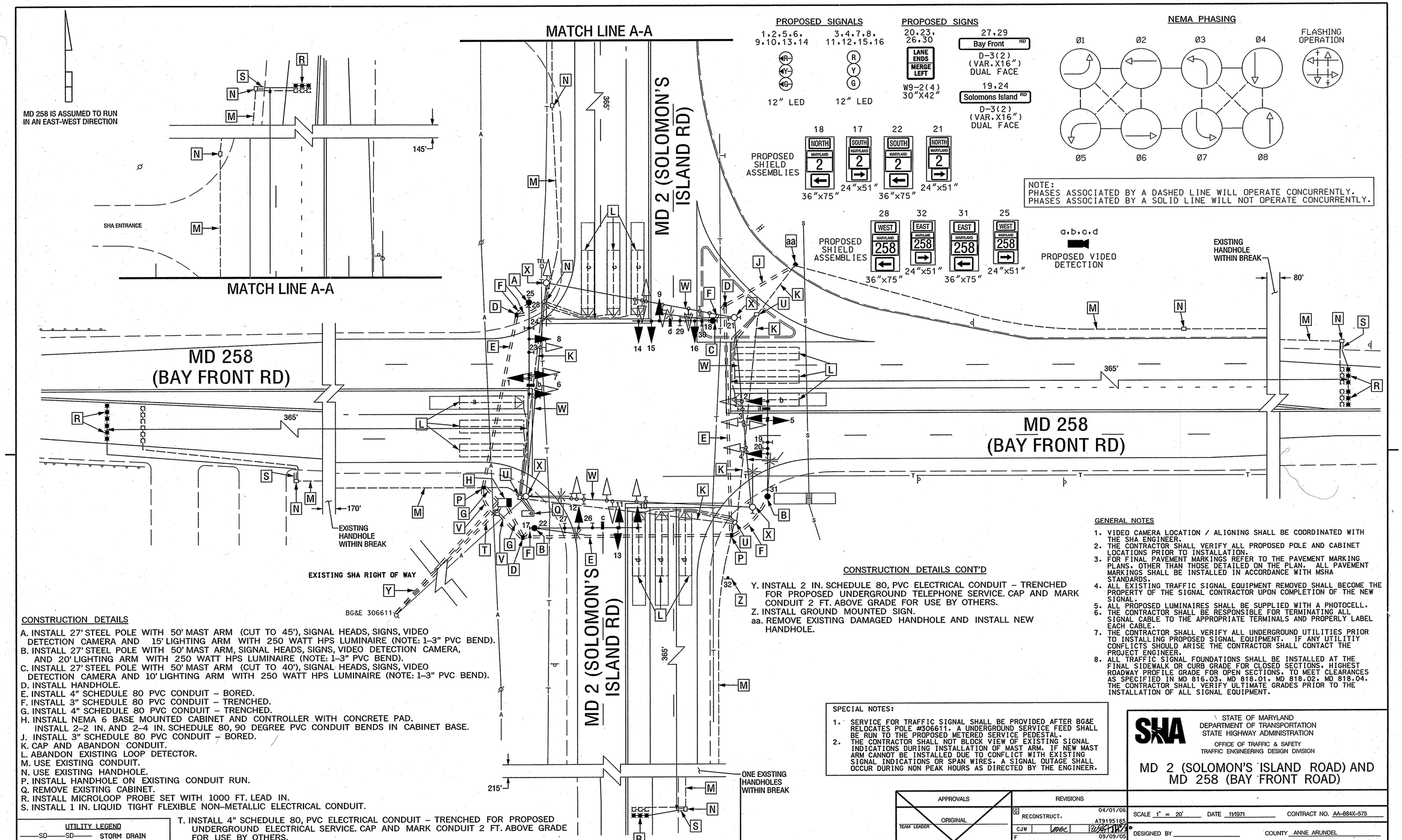

CONSTRUCTION DETAILS

A. INSTALL 27' STEEL POLE WITH 50' MAST ARM (CUT TO 45'), SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA AND 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (NOTE: 1–3" PVC BEND).
B. INSTALL 27' STEEL POLE WITH 50' MAST ARM, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, AND 20' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (NOTE: 1–3" PVC BEND).
C. INSTALL 27' STEEL POLE WITH 50' MAST ARM (CUT TO 40'), SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA AND 10' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (NOTE: 1–3" PVC BEND).
D. INSTALL HANDHOLE.
E. INSTALL 4" SCHEDULE 80 PVC CONDUIT – BORED.
F. INSTALL 3" SCHEDULE 80 PVC CONDUIT – TRENCHED.
G. INSTALL 4" SCHEDULE 80 PVC CONDUIT – TRENCHED.
H. INSTALL NEMA 6 BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD. INSTALL 2–2 IN. AND 2–4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS IN CABINET BASE.
J. INSTALL 3" SCHEDULE 80 PVC CONDUIT – BORED.
K. CAP AND ABANDON CONDUIT.
L. ABANDON EXISTING LOOP DETECTOR.
M. USE EXISTING CONDUIT.
N. USE EXISTING HANDHOLE.
P. INSTALL HANDHOLE ON EXISTING CONDUIT RUN.
Q. REMOVE EXISTING CABINET.
R. INSTALL MICROLOOP PROBE SET WITH 1000 FT. LEAD IN.
S. INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON–METALLIC ELECTRICAL CONDUIT.
T. INSTALL 4" SCHEDULE 80, PVC ELECTRICAL CONDUIT – TRENCHED FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE FOR USE BY OTHERS.
U. REMOVE EXISTING HANDHOLE.
V. INSTALL 2" SCHEDULE 80 PVC CONDUIT – TRENCHED.
W. REMOVE EXISTING SPAN WIRE AND ALL ATTACHED EQUIPMENT.
X. REMOVE EXISTING POLE AND FOUNDATION TO 12" BELOW GROUND GRADE.

CONSTRUCTION DETAILS CONT'D

Y. INSTALL 2 IN. SCHEDULE 80, PVC ELECTRICAL CONDUIT – TRENCHED FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE FOR USE BY OTHERS.
Z. INSTALL GROUND MOUNTED SIGN.
aa. REMOVE EXISTING DAMAGED HANDHOLE AND INSTALL NEW HANDHOLE.

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS. OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITIY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
8. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03. MD 818.01. MD 818.02. MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

UTILITY LEGEND

SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES

SPECIAL NOTES:

1. SERVICE FOR TRAFFIC SIGNAL SHALL BE PROVIDED AFTER BG&E RELOCATES POLE #306611. A UNDERGROUND SERVICE FEED SHALL BE RUN TO THE PROPOSED METERED SERVICE PEDESTAL.
2. THE CONTRACTOR SHALL NOT BLOCK VIEW OF EXISTING SIGNAL INDICATIONS DURING INSTALLATION OF MAST ARM. IF NEW MAST ARM CANNOT BE INSTALLED DUE TO CONFLICT WITH EXISTING SIGNAL INDICATIONS OR SPAN WIRES, A SIGNAL OUTAGE SHALL OCCUR DURING NON PEAK HOURS AS DIRECTED BY THE ENGINEER.

TOD No.: AT915-01
SHA No.:AA487A51/B51

APPROVALS	
ORIGINAL	
TEAM LEADER	
ASST. DIV. CHIEF	
ON	
DIVISION CHIEF	
FILE	
SERVICE DIRECTOR	

REVISIONS				
G	RECONSTRUCT.			04/01/06
CJW				AT9195185
F	ADD EXCLUSIVE LEFT TURN SIGNAL HEADS IN ALL DIRECTIONS.			09/09/05
CJW		MAR	DAZ	
E	SHA NO. AT2885185 ADD STREET LIGHTING AND NEARSIDE APPROACH SIGNAL HEADS			12/23/03
SWA	WM	MAR	DAZ	BRK

PLOTTED: Thursday, May 25, 2006 at 8:43:54 AM
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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 2 (SOLOMON'S ISLAND ROAD) AND MD 258 (BAY FRONT ROAD)

SCALE 1" = 20' DATE 11/1971 CONTRACT NO. AA-884X-575

DESIGNED BY
DRAWN BY J. GORDON
CHECKED BY J. SPENCE
FAP NO.
COUNTY ANNE ARUNDEL
LOGMILE 02000204.75
TIMS NO. H152
TOD NO.

TS NO. 470G | DRAWING -—- OF - | SHEET NO. 1 OF 2

BY: cward