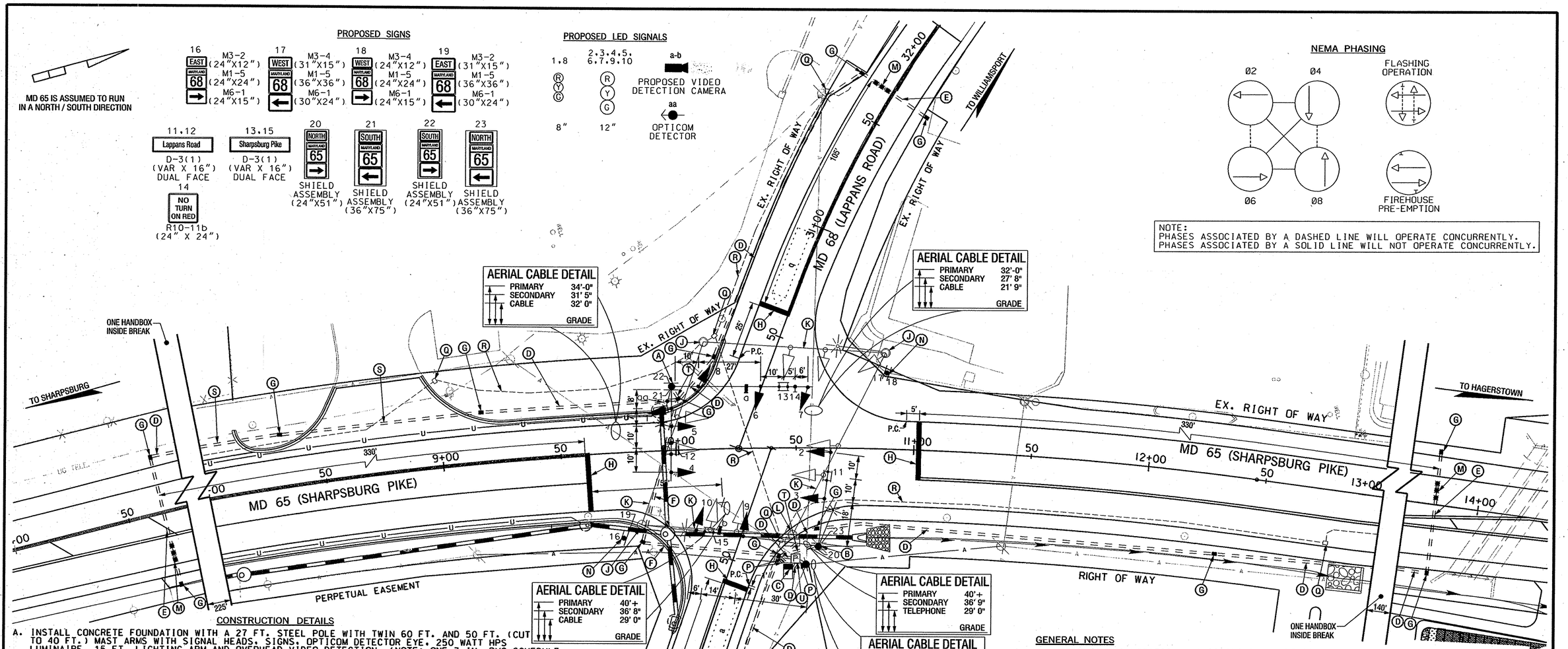

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 60 FT. AND 50 FT. (CUT TO 40 FT.) MAST ARMS WITH SIGNAL HEADS, SIGNS, OPTICOM DETECTOR EYE, 250 WATT HPS LUMINAIRE, 15 FT. LIGHTING ARM AND OVERHEAD VIDEO DETECTION. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 9+97 LT. 27'

B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 60 FT. AND 50 FT. (CUT TO 40 FT.) MAST ARMS WITH SIGNAL HEADS, SIGNS, 250 WATT HPS LUMINAIRE, 15 FT. LIGHTING ARM AND OVERHEAD VIDEO DETECTION. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 10+60 RT. 42'

C. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET. (NOTE: TWO-4 IN. PVC, TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA 10+46 RT. 50'

D. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.

F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.

G. INSTALL HANDHOLE.

H. INSTALL 24 IN. HEAT APPLIED, WHITE, THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.

J. REMOVE EXISTING SIGNAL POLE AND FOUNDATION 12" BELOW GRADE AND BACKFILL.

K. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.

L. REMOVE EXISTING POLE, POLE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

M. INSTALL NON-INVASIVE PROBES WITH 500' LEAD-IN CABLE (TO BE PLACED IN THRU LANE ONLY).

N. INSTALL GROUND MOUNTED SIGN ON ONE 6" X 8" WOOD SUPPORT.

O. NOT USED.

P. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

Q. REMOVE EXISTING HANDHOLE.

CONSTRUCTION DETAILS (CONTINUED)

R. CAP AND ABANDON EXISTING CONDUIT.

S. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED

T. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

U. INSTALL 200 AMP METERED SERVICE PEDESTAL. (ONE 4 IN. AND TWO 2 IN. PVC SCHEDULE 80 CONDUIT BENDS).

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 TILITIY 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.

SG-01

GEOMETRIC LEGEND

PROPOSED
EXISTING

UTILITY LEGEND

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

SABRA, WANG & ASSOCIATES, INC.
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REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
(B) SHA No. WA1425176 10/2006 REBUILD SIGNAL DUE TO GEOMETRIC IMPROVEMENTS	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
(A) SHA No. (MAINTENANCE) 6/2000 INSTALL TRAFFIC SIGNAL PRE-EMPTION (OPTICOM) FOR NORTHBOUND MD 65	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

SHA MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
MD 65 AT MD 68
INTERSECTION GEOMETRIC IMPROVEMENTS

DRAWN BY: B. THOMPSON	F.A.P. NO. SEE TITLE SHEET	TS NO. 1201 B	SHEET NO.
CHECKED BY: W. RICHARDSON	S.H.A. NO. AW-343-502-085		
SCALE: 1" = 20'	COUNTY: WASHINGTON	T.I.M.S. NO.	
DATE: 8/12/77	LOG MILE: 21006506.80	D-887	32 OF 12