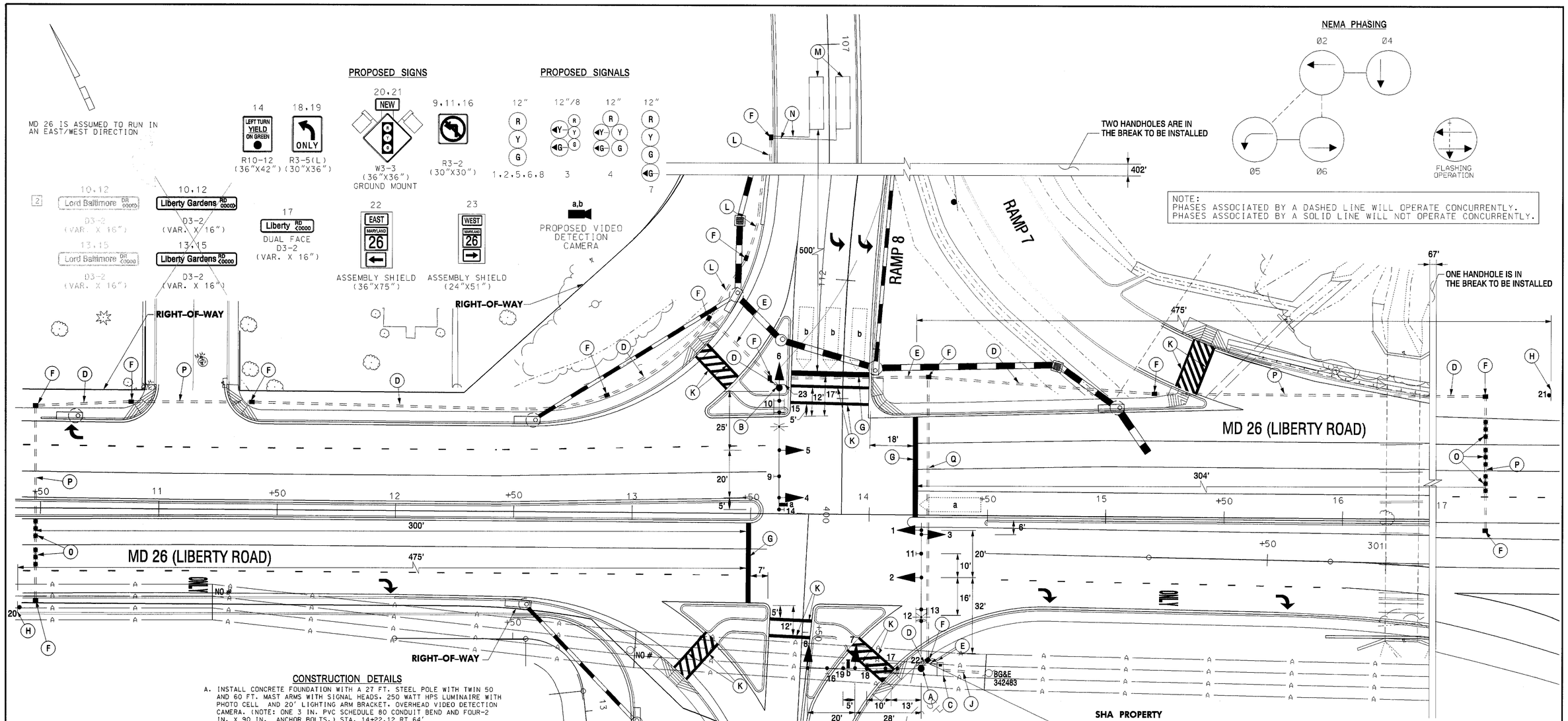

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 AND 60 FT. MAST ARMS WITH SIGNAL HEADS, 250 WATT HPS LUMINAIRE WITH PHOTO CELL AND 20' LIGHTING ARM BRACKET. OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-2 IN. X 90 IN. ANCHOR BOLTS.) STA. 14+22.12 RT 64'

B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM. SIGNAL HEADS, OVERHEAD VIDEO DETECTION CAMERA, AND 250 WATT HPS LUMINAIRE WITH PHOTO CELL AND 15' LIGHTING BRACKET ARM. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR- 1¾ IN. X 90 IN. ANCHOR BOLTS). STA 13+61.95 LT 52'

C. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC. AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA 14+30.3 RT 62.16'

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

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

F. INSTALL HANDHOLE.

G. INSTALL 24 IN. WHITE, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.

H. INSTALL GROUND MOUNTED W3-3 6"X6" WOOD POST 475 FT. FROM STOP LINE.

J. INSTALL 4 IN. PVC SCHEDULE 80 CONDUIT - TRENCHED STUB OUT CONDUIT BEND AT THE BOTTOM OF UTILITY POLE

K. INSTALL 12 IN. WHITE, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE FOR CROSSWALKS.

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

M. INSTALL 6 FT X 22 FT. LOOP DETECTOR ENCASED IN ¼" FLEXIBLE TUBING. (3 TURNS).

N. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (FOR DETECTOR WIRE SLEEVE).

O. INSTALL NON-INVASIVE PROBES WITH 500 FT. LEAD IN. (TO BE PLACED IN THE THRU LANE ONLY).

P. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT- SLOTTED

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

GENERAL NOTES

1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND SHALL BE INSTALLED BY THE SIGNAL CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. FOR ALL OTHER SIGNING AND PAVEMENT MARKINGS, REFER TO THE SIGNING, AND PAVEMENT MARKING PLANS IN THIS CONTRACT.
2. VIDEO CAMERA PLACEMENT SHALL BE COORDINATED WITH THE SHA ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL PROPOSED GEOMETRICS, POLES AND CABINET LOCATIONS PRIOR TO INSTALLATION.
4. ALL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
5. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT; IF CONFLICTS WITH THESE UTILITIES ARE IDENTIFIED THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.

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.
1506 JOH AVENUE
SUITE 180
BALTIMORE, MD 21227
WWW.SABRA-WANG.COM

REVISIONS

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

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

MD 26 (LIBERTY ROAD) AT I-695 RAMP 8

DRAWN BY:	S. SMITH	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY:	S. RENZI	S.H.A. NO.	BA3795172		
SCALE:	1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. E541	83 OF 107
DATE:	MAY, 2002	LOG MILE:			

FILE: n:\00-47\pub\19\dwg\signals\541sig02.dgn