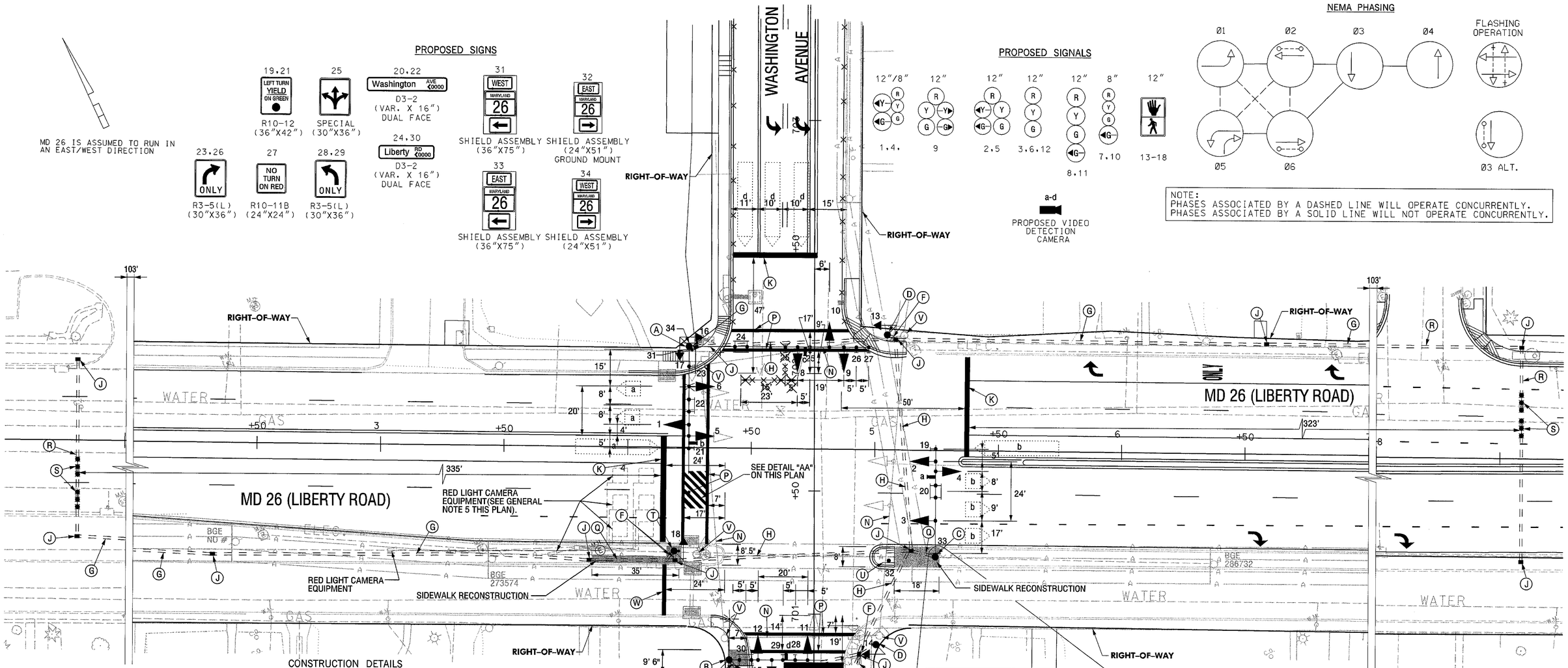

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 70 FT. AND 50 FT. MAST ARMS WITH SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN, AND 250 WATT HPS LUMINAIRE WITH PHOTOCELL AND 15' LIGHTING BRACKET ARM, OVERHEAD VIDEO DETECTION CAMERA.(NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-2 IN. X 90 IN. ANCHOR BOLTS.) STA. 4+24.72 LT 41'

B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 38 FT. MAST ARM, SIGNAL HEADS, AND OVERHEAD VIDEO DETECTION CAMERA, PEDESTRIAN SIGNAL HEADS AND 250 WATT HPS LUMINAIRE WITH PHOTOCELL AND 15' LIGHTING BRACKET ARM. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-1¾ IN. X 90 IN. ANCHOR BOLTS). STA 4+40 RT 82'

C. INSTALL CONCRETE FOUNDATION WITH A 18 FT STEEL POLE WITH SINGLE 50 FT SPECIAL "T" MAST ARM, SIGNAL HEADS, AND OVERHEAD VIDEO CAMERA. (NOTE ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR- 1¾ IN. X 90 IN ANCHOR BOLTS). STA. 5+25 RT 45'

D. INSTALL CONCRETE FOUNDATION WITH A 10 FT PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD. (NOTE: ONE 2 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR- 1 IN. ANCHOR BOLTS). STA. 5+01 RT 79' AND STA. 5+04 LT 47'

E. 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 4+93 RT 90'

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

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

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

J. INSTALL HANDHOLE.

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

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

M. REMOVE EXISTING CABINET AND FOUNDATION 12" BELOW GRADE AND BACK FILL

N. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.

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

P. INSTALL 12 IN. WHITE THERMOPLASTIC PAVEMENT MARKING TAPE FOR CROSSWALK

Q. REMOVE AND REPLACE EXISTING CONCRETE SIDEWALK INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

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

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

T. INSTALL CONCRETE FOUNDATION WITH A 10 FT PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGNS. (NOTE: ONE 2 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR- 1 IN. ANCHOR BOLTS). STA. 4+19 RT. 60.9'

U. INSTALL GROUND MOUNTED SHIELD ASSEMBLY 6"X6" WOOD POST AT STA. 5+05.8 RT 56.5'

V. REMOVE EXISTING SIGNAL STRUCTURE AND FOUNDATION 12" BELOW GRADE AND BACKFILL.

W. INSTALL 16 IN. WHITE, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.

GENERAL NOTES

1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS.
2. VIDEO CAMERA PLACEMENT SHALL BE COORDINATED WITH THE SHA ENGINEER.
3. CONTRACTOR SHALL VERIFY ALL PROPOSED GEOMETRICS PRIOR TO INSTALLATION OF POLE AND CABINET LOCATIONS.
4. FOR FINAL SIGNING, AND PAVEMENT MARKINGS REFER TO THE CONTRACT SIGNING, AND PAVEMENT MARKINGS PLAN.
5. CONTRACTOR SHALL CONTACT BALTIMORE COUNTY, MR. GREG CARSKI (410)-887-3554 TWO WEEKS PRIOR TO DISCONNECTING THE RED LIGHT RUNNING CAMERA EQUIPMENT.
6. ALL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT; IF ANY CONFLICTS WITH THESE UTILITIES ARE IDENTIFIED, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.

CONSTRUCTION LEGEND

SIDEWALK TO BE ROMVED AND REPLACED

GEOMETRIC LEGEND

PROPOSED

EXISTING

UTILITY LEGEND

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

FILE: r:\00-47\task19\dwg\signals\d541gn01.dgn

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

REVISIONS	APPROVALS
(H) 05/02 EXISTING SIGNAL RECONSTRUCTED DUE TO GEOMETRIC PROJECT SHA CONTRACT NO. BA3795172 S.W.A.	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
GREEN LINE REVISION #1 10/31/03 S.W.A.	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

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

MD 26 (LIBERTY ROAD) AT WASHINGTON AVENUE

DRAWN BY: D.R. CARR	F.A.P. NO.		TS NO. 19111H	SHEET NO.
CHECKED BY: JRM	S.H.A. NO.			
SCALE: 1"=20'	COUNTY:	BALTIMORE	T.I.M.S. NO.	81A OF 107
DATE: 6-17-77	LOG MILE:	03002607.97		