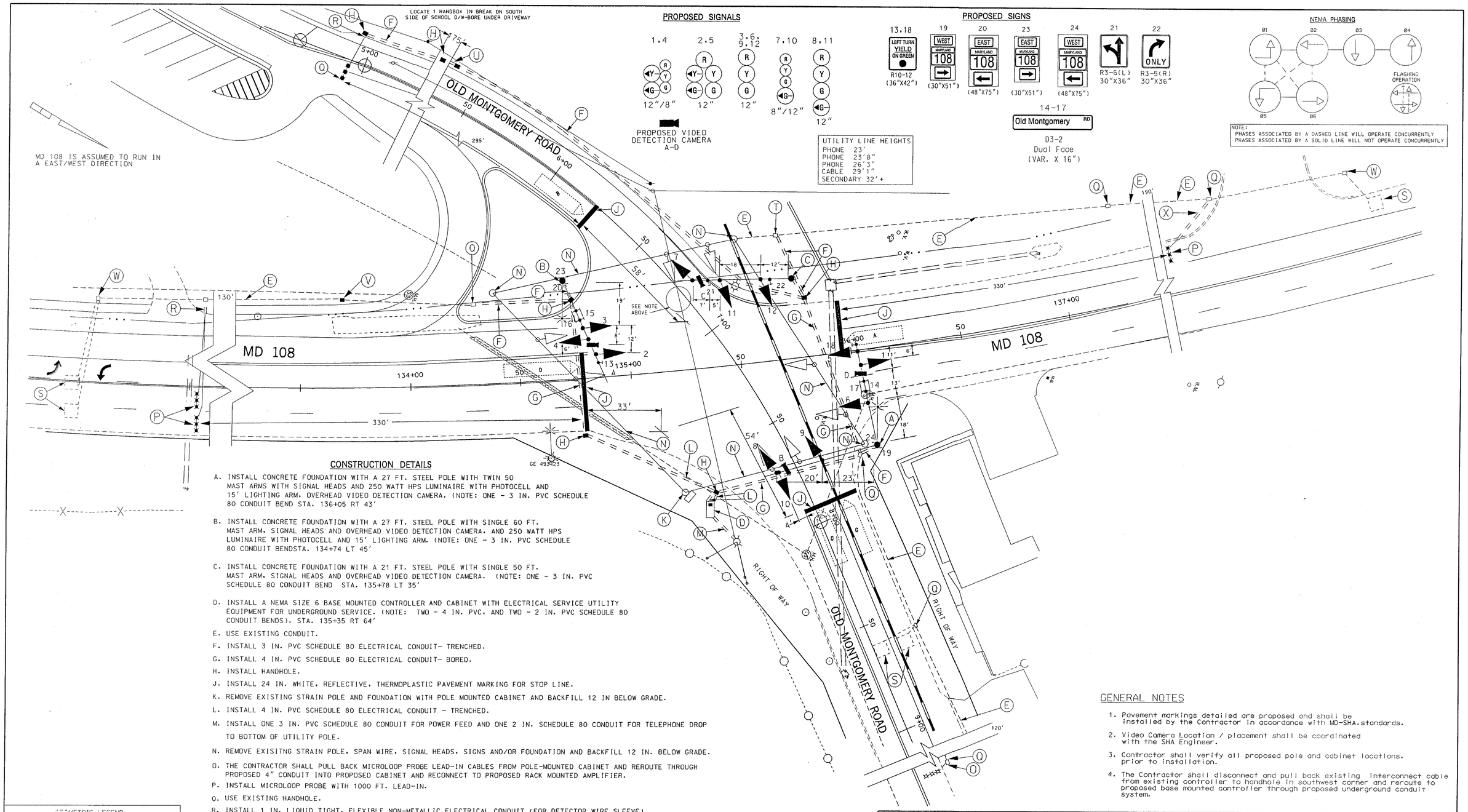

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH TWIN 50 MAST ARMS WITH SIGNAL HEADS AND 250 WATT HPS LUMINAIRE WITH PHOTOCELL AND 15' LIGHTING ARM, OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE - 3 IN. PVC SCHEDULE 80 CONDUIT BEND STA. 136+05 RT 43'

B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 60 FT. MAST ARM, SIGNAL HEADS AND OVERHEAD VIDEO DETECTION CAMERA. AND 250 WATT HPS LUMINAIRE WITH PHOTOCELL AND 15' LIGHTING ARM. (NOTE: ONE - 3 IN. PVC SCHEDULE 80 CONDUIT BENDSTA. 134+74 LT 45'

C. INSTALL CONCRETE FOUNDATION WITH A 21 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM, SIGNAL HEADS AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE - 3 IN. PVC SCHEDULE 80 CONDUIT BEND STA. 135+78 LT 35'

D. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL SERVICE UTILITY EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO - 4 IN. PVC, AND TWO - 2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA. 135+35 RT 64'

E. USE EXISTING CONDUIT.

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

G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT- BORED.

H. INSTALL HANDHOLE.

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

K. REMOVE EXISTING STRAIN POLE AND FOUNDATION WITH POLE MOUNTED CABINET AND BACKFILL 12 IN BELOW GRADE.

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

M. INSTALL ONE 3 IN. PVC SCHEDULE 80 CONDUIT FOR POWER FEED AND ONE 2 IN. SCHEDULE 80 CONDUIT FOR TELEPHONE DROP TO BOTTOM OF UTILITY POLE.

N. REMOVE EXISITNG STRAIN POLE, SPAN WIRE, SIGNAL HEADS, SIGNS AND/OR FOUNDATION AND BACKFILL 12 IN. BELOW GRADE.

O. THE CONTRACTOR SHALL PULL BACK MICROLOOP PROBE LEAD-IN CABLES FROM POLE-MOUNTED CABINET AND REROUTE THROUGH PROPOSED 4" CONDUIT INTO PROPOSED CABINET AND RECONNECT TO PROPOSED RACK MOUNTED AMPLIFIER.

P. INSTALL MICROLOOP PROBE WITH 1000 FT. LEAD-IN.

Q. USE EXISTING HANDHOLE.

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

S. ABANDON EXISTING LOOP DETECTORS.

T. USE EXISTING HANDHOLE AND REROUTE EXISTING INTERCONNECT. (SEE GENERAL NOTE 4.)

U. INSTALL 3" SCH 80 PVC CONDUIT-BORED

V. INSTALL HANDHOLE. LOCATE EXISTING CONDUIT AND INSTALL INTO NEW HANDHOLE.

W. REMOVE EXISTING HADNHOLE

GENERAL NOTES

1. Pavement markings detailed are proposed and shall be installed by the Contractor in accordance with MD-SHA.standards.
2. Video Camera Location / placement shall be coordinated with the SHA Engineer.
3. Contractor shall verify all proposed pole and cabinet locations. prior to installation.
4. The Contractor shall disconnect and pull back existing interconnect cable from existing controller to handhole in southwest corner and reroute to proposed base mounted controller through proposed underground conduit system.

GEOMETRIC LEGEND

EXISTING

PROPOSED

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

R:\99-76\DWG\SIGNAL\7999SP01.DGN

REVISIONS	APPROVALS
(A) 07/15/02 REBUILD SIGNAL DUE TO GEOMETRICS CHANGES CO. #1-4141	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

SABRA, WANG & ASSOCIATES, INC.
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BALTIMORE, MD 21227
WWW.SABRA-WANG.COM

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

MD 108 AT OLD MONTGOMERY ROAD

DRAWN BY:	BRUCE THOMPSON	F.A.P. NO.	BK 415 M 95	TS NO. 1611 A	SHEET NO.
CHECKED BY:		S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	HOWARD	T.I.M.S. NO.	17 OF 31
DATE:	OCTOBER, 1989	LOG MILE:			