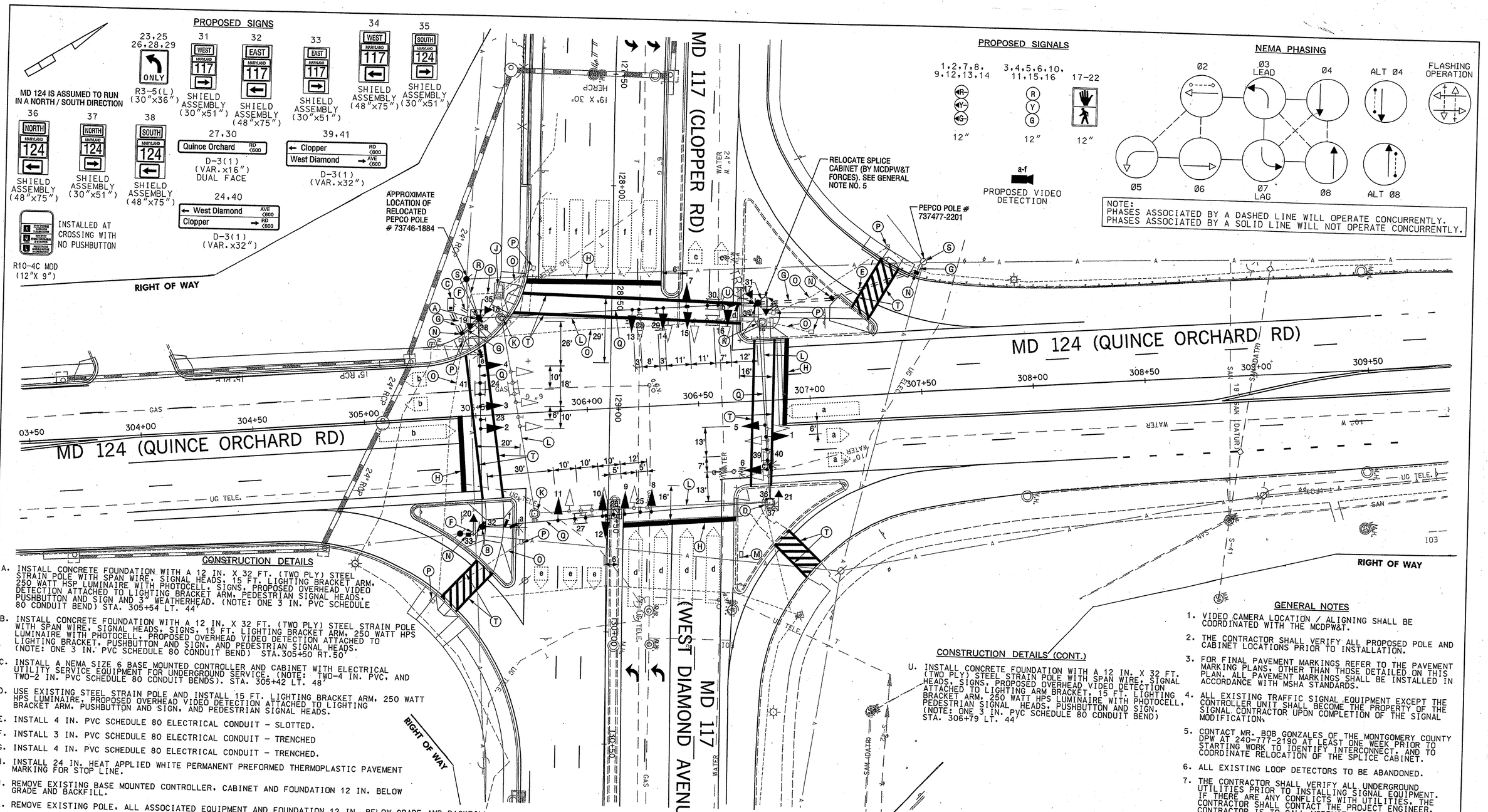

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 12 IN. X 32 FT. (TWO PLY) STEEL STRAIN POLE WITH SPAN WIRE, SIGNAL HEADS, SIGNS, 15 FT. LIGHTING BRACKET ARM, 250 WATT HSP LUMINAIRE WITH PHOTOCELL, SIGNS, PROPOSED OVERHEAD VIDEO DETECTION ATTACHED TO LIGHTING BRACKET ARM, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN AND 3" WEATHERHEAD. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 305+54 LT. 44'

B. INSTALL CONCRETE FOUNDATION WITH A 12 IN. X 32 FT. (TWO PLY) STEEL STRAIN POLE WITH SPAN WIRE, SIGNAL HEADS, SIGNS, 15 FT. LIGHTING BRACKET ARM, 250 WATT HPS LUMINAIRE WITH PHOTOCELL, PROPOSED OVERHEAD VIDEO DETECTION ATTACHED TO LIGHTING BRACKET, PUSHBUTTON AND SIGN, AND PEDESTRIAN SIGNAL HEADS. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA.305+50 RT.50'

C. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS). STA. 305+42 LT. 48'

D. USE EXISTING STEEL STRAIN POLE AND INSTALL 15 FT. LIGHTING BRACKET ARM, 250 WATT HPS LUMINAIRE, PROPOSED OVERHEAD VIDEO DETECTION ATTACHED TO LIGHTING BRACKET ARM, PUSHBUTTON AND SIGN, AND PEDESTRIAN SIGNAL HEADS.

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

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

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

H. INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

J. REMOVE EXISTING BASE MOUNTED CONTROLLER, CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

K. REMOVE EXISTING POLE, ALL ASSOCIATED EQUIPMENT AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

L. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.

M. USE EXISTING HANDHOLE.

N. INSTALL HANDHOLE.

O. CAP AND ABANDON EXISTING CONDUIT.

P. REMOVE EXISTING HANDHOLE AND BACKFILL.

Q. INSTALL 3/8 IN. STEEL SPAN WIRE WITH TETHER WIRE, SIGNAL HEADS, AND SIGNS.

R. 3 WIRE NO. 4 AWG FOR OVERHEAD SERVICE PROVIDED BY PEPCO.

S. INSTALL 4 IN. PVC SCHEDULE 80 CONDUIT RISER AT BASE OF PEPCO POLE.

T. INSTALL 12 IN HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING TAPE FOR CROSSWALK.

CONSTRUCTION DETAILS (CONT.)

U. INSTALL CONCRETE FOUNDATION WITH A 12 IN. X 32 FT. (TWO PLY) STEEL STRAIN POLE WITH SPAN WIRE, SIGNAL HEADS, SIGNS, PROPOSED OVERHEAD VIDEO DETECTION ATTACHED TO LIGHTING ARM BRACKET, 15 FT. LIGHTING BRACKET ARM, 250 WATT HPS LUMINAIRE WITH PHOTOCELL, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND) STA. 306+79 LT. 44'

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE MCDPW&T.
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 THIS PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT EXCEPT THE CONTROLLER UNIT SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
5. CONTACT MR. BOB GONZALES OF THE MONTGOMERY COUNTY DPW AT 240-777-2190 AT LEAST ONE WEEK PRIOR TO STARTING WORK TO IDENTIFY INTERCONNECT, AND TO COORDINATE RELOCATION OF THE SPLICE CABINET.
6. ALL EXISTING LOOP DETECTORS TO BE ABANDONED.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT. IF THERE ARE ANY CONFLICTS WITH UTILITIES, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER. CONTRACTOR IS TO CALL MCDPW&T AT 240-777-2190 72 HOURS TO MARK EXISTING UNDERGROUND SIGNAL EQUIPMENT BEFORE ANY DIGGING.

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

ADDENDUM No. 1
05-21-2003
REPLACE THIS SHEET

SABRA, WANG & ASSOCIATES, INC.
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-8564
WWW.SABRA-WANG.COM

REVISIONS	APPROVALS
A SIGNAL RECONSTRUCT DUE TO GEOMETRIC IMPROVEMENTS MARCH 2003 M0813517	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

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

MD 124 (QUINCE ORCHARD ROAD) AT MD 117 (WEST DIAMOND AVENUE)

DRAWN BY:	G.E.C.	F.A.P. NO.	SEE TITLE SHEET	TS NO. TS-2027A	SHEET NO.
CHECKED BY:	D.J.D.	S.H.A. NO.	M508501385	T.I.M.S. NO. 5841	
SCALE:	1"=20'	COUNTY:	MONTGOMERY		
DATE:	8/06/84	LOG MILE:	150117L26		

FILE: F:\TO\0-48 gfc\dwgs\MD 117\signal\md 117 & md 124\z999sg01.dgn
DATE: 21-Jun-02 9:20