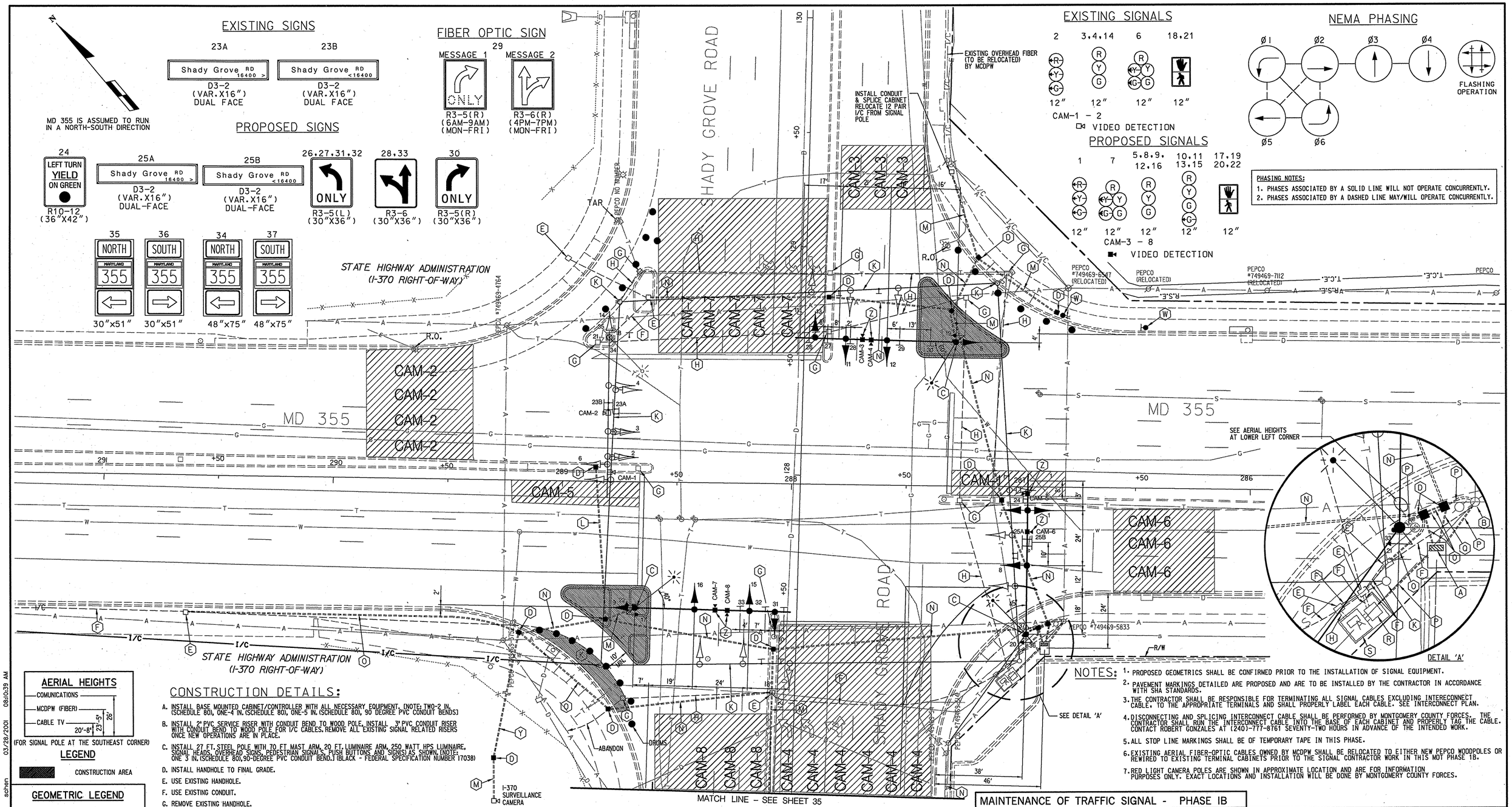

CONSTRUCTION DETAILS:

A. INSTALL BASE MOUNTED CABINET/CONTROLLER WITH ALL NECESSARY EQUIPMENT. (NOTE: TWO-2 IN. (SCHEDULE 80), ONE-4 IN. (SCHEDULE 80), ONE-5 IN. (SCHEDULE 80), 90 DEGREE PVC CONDUIT BENDS)

B. INSTALL 2" PVC SERVICE RISER WITH CONDUIT BEND TO WOOD POLE. INSTALL 3" PVC CONDUIT RISER WITH CONDUIT BEND TO WOOD POLE FOR I/C CABLES. REMOVE ALL EXISTING SIGNAL RELATED RISERS ONCE NEW OPERATIONS ARE IN PLACE.

C. INSTALL 27 FT. STEEL POLE WITH 70 FT MAST ARM, 20 FT. LUMINAIRE ARM, 250 WATT HPS LUMINAIRE, SIGNAL HEADS, OVERHEAD SIGNS, PEDESTRIAN SIGNALS, PUSH BUTTONS AND SIGN(S) AS SHOWN. (NOTE: ONE 3 IN. (SCHEDULE 80), 90-DEGREE PVC CONDUIT BEND.) (BLACK - FEDERAL SPECIFICATION NUMBER 17038)

D. INSTALL HANDHOLE TO FINAL GRADE.

E. USE EXISTING HANDHOLE.

F. USE EXISTING CONDUIT.

G. REMOVE EXISTING HANDHOLE.

H. REMOVE OR CAP AND ABANDON EXISTING CONDUIT(S), AS DIRECTED BY THE ENGINEER.

J. OMIT.

K. EXISTING STRAIN POLE AND ALL ATTACHED EQUIPMENT TO REMAIN IN OPERATION TILL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.

L. INSTALL 2" PVC (SCHEDULE 80) CONDUIT - SLOTTED.

M. INSTALL 3 IN. POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.

N. INSTALL TWO 4 IN. POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUITS - SLOTTED.

O. INSTALL 4 IN. POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.

P. INSTALL TWO 2 IN. POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.

Q. INSTALL TWO 4 IN. POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.

R. EXISTING BASE MOUNTED TERMINAL CABINET AND CONCRETE PAD TO REMAIN (INSTALL 2" PVC CONDUIT BEND INTO CABINET BACK FOR NEW SERVICE CABLES.)

S. REMOVE AND SALVAGE CABINET/CONTROLLER FROM CONCRETE BASE.

T. OMIT

U. INSTALL 21 FEET STEEL POLE, CONCRETE FOUNDATION WITH ANCHOR BOLTS, WITH 70 FT MAST ARM, POLE MOUNTED CABINET AND PROVIDE 2" WEATHERED SIGNS.

V. INSTALL 12 PAIR (JELLY) SELF SUPPORT CABLE AND 5 CONDUCTOR CABLE TO UTILITY POLE AT COMMUNICATION SPACE PER POLE OWNER.

W. RED LIGHT CAMERA POLE AND EQUIPMENT.(TO BE INSTALLED BY MCDPW FORCES)

Y. INSTALL TWO 2 IN. POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.

Z. INSTALL VIDEO DETECTION CAMERA EQUIPMENT AND CABLES.

NOTES:

1. PROPOSED GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES EXCLUDING INTERECONNECT CABLE. TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE. SEE INTERCONNECT PLAN.
4. DISCONNECTING AND SPLICING INTERCONNECT CABLE SHALL BE PERFORMED BY MONTGOMERY COUNTY FORCES. THE CONTRACTOR SHALL RUN THE INTERCONNECT CABLE INTO THE BASE OF EACH CABINET AND PROPERLY TAG THE CABLE. CONTACT ROBERT GONZALES AT (240)-777-8761 SEVENTY-TWO HOURS IN ADVANCE OF THE INTENDED WORK.
5. ALL STOP LINE MARKINGS SHALL BE OF TEMPORARY TAPE IN THIS PHASE.
6. EXISTING AERIAL FIBER-OPTIC CABLES OWNED BY MCDPW SHALL BE RELOCATED TO EITHER NEW PEPCO WOODPOLES OR REWIRED TO EXISTING TERMINAL CABINETS PRIOR TO THE SIGNAL CONTRACTOR WORK IN THIS MOT PHASE 1B.
7. RED LIGHT CAMERA POLES ARE SHOWN IN APPROXIMATE LOCATION AND ARE FOR INFORMATION PURPOSES ONLY. EXACT LOCATIONS AND INSTALLATION WILL BE DONE BY MONTGOMERY COUNTY FORCES.

MAINTENANCE OF TRAFFIC SIGNAL - PHASE IB

REVISIONS	APPROVALS
(A) NEW GEOMETRICS, REBUILT SIGNAL AND ADDED PEDESTRIAN SIGNALS. SHA NO. M0820511 12/00	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
S.R.	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

SIGNALIZATION PLAN

MD 355 AND SHADY GROVE ROAD

DRAWN BY: E. SIMMERS	F.A.P. NO.	TS NO. 2382- (A)	SHEET NO.
CHECKED BY:	S.H.A. NO.		34 OF 55
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. C-895	
DATE:	LOG MILE: 150355I2.73		

SABRA, WANG & ASSOCIATES, INC.
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PREPARED BY
URS Greiner Woodward Clyde
HUNT VALLEY, MARYLAND

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