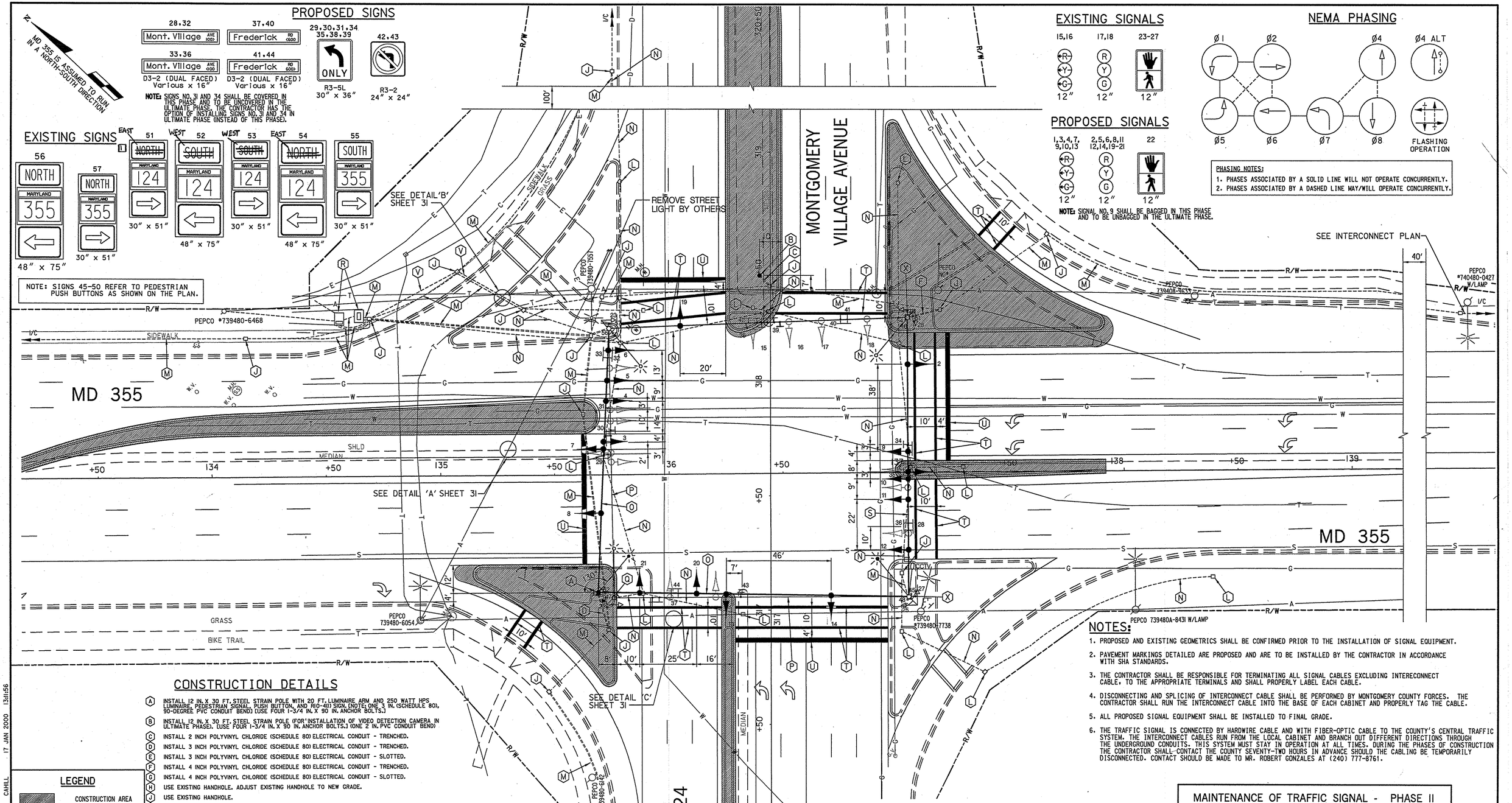

CONSTRUCTION DETAILS

- (A) INSTALL 12 IN. X 30 FT. STEEL STRAIN POLE WITH 20 FT. LUMINAIRE ARM AND 250 WATT HPS LUMINAIRE, PEDESTRIAN SIGNAL, PUSH BUTTON, AND R10-4(I) SIGN. (NOTE: ONE 3 IN. (SCHEDULE 80), 90-DEGREE PVC CONDUIT BEND) (USE FOUR 1-3/4 IN. X 90 IN. ANCHOR BOLTS.)
- (B) INSTALL 12 IN. X 30 FT. STEEL STRAIN POLE (FOR INSTALLATION OF VIDEO DETECTION CAMERA IN ULTIMATE PHASE). (USE FOUR 1-3/4 IN. X 90 IN. ANCHOR BOLTS.) (ONE 2 IN. PVC CONDUIT BEND)
- (C) INSTALL 2 INCH POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
- (D) INSTALL 3 INCH POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
- (E) INSTALL 3 INCH POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - SLOTTED.
- (F) INSTALL 4 INCH POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - TRENCHED.
- (G) INSTALL 4 INCH POLYVINYL CHLORIDE (SCHEDULE 80) ELECTRICAL CONDUIT - SLOTTED.
- (H) USE EXISTING HANDHOLE. ADJUST EXISTING HANDHOLE TO NEW GRADE.
- (J) USE EXISTING HANDHOLE.
- (K) INSTALL HANDHOLE.
- (L) REMOVE EXISTING HANDHOLE.
- (M) USE EXISTING CONDUIT.
- (N) CAP AND ABANDON EXISTING CONDUIT.
- (O) INSTALL 3/8 IN. STEEL SPAN WIRE, SIGNAL HEADS, AND SIGNS AS SHOWN.
- (P) REMOVE EXISTING SPAN WIRE AND ALL ATTACHED EQUIPMENT.
- (Q) REMOVE EXISTING STEEL STRAIN POLE AND ALL ATTACHED EQUIPMENT.
- (R) EXISTING CABINET/CONTROLLER ARE TO BE UTILIZED.
- (S) USE EXISTING SPAN WIRE. REMOVE ALL EXISTING SIGNAL HEADS AND SIGNS AND INSTALL SIGNAL HEADS AND SIGNS AS SHOWN.
- (T) INSTALL 12 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE FOR THE CROSSWALKS.
- (U) INSTALL 24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE FOR THE STOP LINES.
- (V) CAP AND ABANDON EXISTING (PRE-EXISTED BEFORE PHASE I) CONDUIT.
- (W) USE STEEL STRAIN POLE
- (X) USE EXISTING STRAIN POLE. INSTALL PEDESTRIAN PUSH BUTTON AND R10-4(I) SIGN, INSTALL 20 FT. LUMINAIRE ARM AND 250 WATT HPS LUMINAIRE.

LEGEND

- CONSTRUCTION AREA
- EXISTING GEOMTRICS
- PROPOSED GEOMETRICS

UTILITY LEGEND

—G——G—	GAS MAIN
—W——W—	WATER MAIN
—S——S—	SEWER MAIN
—D——D—	STORM DRAIN
—E——E—	ELECTRIC CABLES
—A——A—	AERIAL CABLES
—T——T—	TELEPHONE CABLES
—C——C—	CABLE TELEVISION
—F/O—F/O—	FIBER OPTIC

NOTES:

1. PROPOSED AND EXISTING 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.
4. DISCONNECTING AND SPLICING OF 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.
5. ALL PROPOSED SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
6. THE TRAFFIC SIGNAL IS CONNECTED BY HARDWIRE CABLE AND WITH FIBER-OPTIC CABLE TO THE COUNTY'S CENTRAL TRAFFIC SYSTEM. THE INTERCONNECT CABLES RUN FROM THE LOCAL CABINET AND BRANCH OUT DIFFERENT DIRECTIONS THROUGH THE UNDERGROUND CONDUITS. THIS SYSTEM MUST STAY IN OPERATION AT ALL TIMES. DURING THE PHASES OF CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE COUNTY SEVENTY-TWO HOURS IN ADVANCE SHOULD THE CABLING BE TEMPORARILY DISCONNECTED. CONTACT SHOULD BE MADE TO MR. ROBERT GONZALES AT (240) 777-8761.

MAINTENANCE OF TRAFFIC SIGNAL - PHASE II

REVISIONS	APPROVALS
1 REDLINE NO.1 - 8/7/00	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
(E) NEW GEOMETRICS AND REBUILT SIGNALS.	DIRECTOR, OFFICE OF TRAFFIC & SAFETY
SHA NO. M0819A21 12/99	
S.R. 120	

ORIGINAL ON FILE

SABRA, WANG & ASSOCIATES, INC.
1506 JOH AVENUE
SUITE 180
BALTIMORE, MD 21227
(410) 737-6564

PREPARED BY
URS Greiner Woodward Clyde
HUNT VALLEY, MARYLAND

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

TRAFFIC SIGNALIZATION PLAN
MD 355 AND MD 124

DRAWN BY: M. MEARS	F.A.P. NO.	TS NO. 28E	SHEET NO.
CHECKED BY: D. DODA	S.H.A. NO.		32 OF 56
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. D124	
DATE:	LOG MILE: 150355I5.55		

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