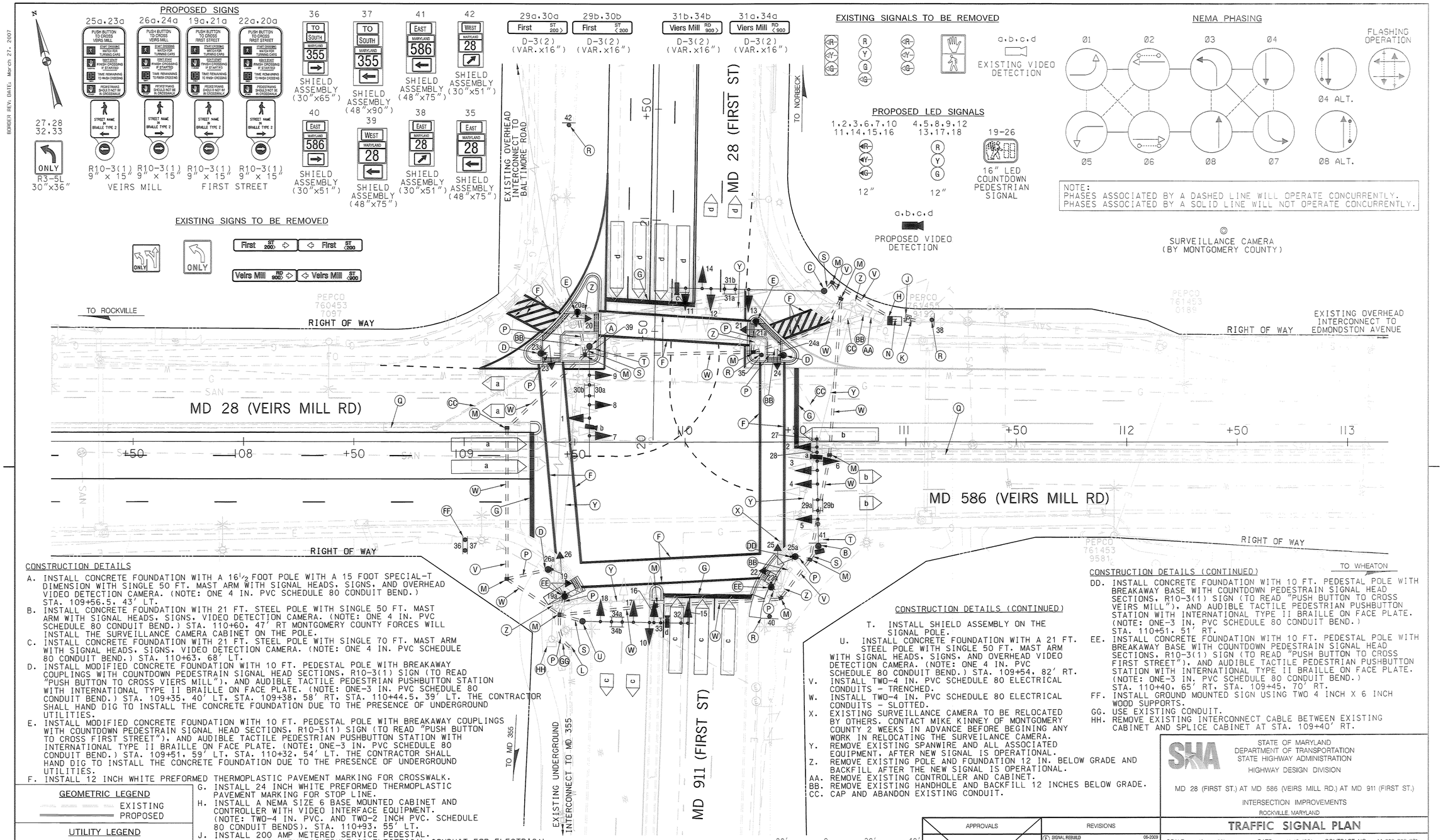

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 16½ FOOT POLE WITH A 15 FOOT SPECIAL-T DIMENSION WITH SINGLE 50 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND.) STA. 109+56.5, 43' LT.

B. INSTALL CONCRETE FOUNDATION WITH 21 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND.) STA. 110+60, 47' RT MONTGOMERY COUNTY FORCES WILL INSTALL THE SURVEILLANCE CAMERA CABINET ON THE POLE.

C. INSTALL CONCRETE FOUNDATION WITH 21 FT. STEEL POLE WITH SINGLE 70 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND.) STA. 110+63, 68' LT.

D. INSTALL MODIFIED CONCRETE FOUNDATION WITH 10 FT. PEDESTAL POLE WITH BREAKAWAY COUPLINGS WITH COUNTDOWN PEDESTRAIN SIGNAL HEAD SECTIONS, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS VIERS MILL"), AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND.) STA. 109+35, 40' LT, STA. 109+38, 58' RT, STA. 110+44.5, 39' LT. THE CONTRACTOR SHALL HAND DIG TO INSTALL THE CONCRETE FOUNDATION DUE TO THE PRESENCE OF UNDERGROUND UTILITIES.

E. INSTALL MODIFIED CONCRETE FOUNDATION WITH 10 FT. PEDESTAL POLE WITH BREAKAWAY COUPLINGS WITH COUNTDOWN PEDESTRAIN SIGNAL HEAD SECTIONS, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS FIRST STREET"), AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND.) STA. 109+51, 59' LT, STA. 110+32, 54' LT. THE CONTRACTOR SHALL HAND DIG TO INSTALL THE CONCRETE FOUNDATION DUE TO THE PRESENCE OF UNDERGROUND UTILITIES.

F. INSTALL 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.

G. INSTALL 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

H. INSTALL A NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER WITH VIDEO INTERFACE EQUIPMENT. (NOTE: TWO-4 IN. PVC. AND TWO-2 INCH PVC. SCHEDULE 80 CONDUIT BENDS). STA. 110+93, 55' LT.

J. INSTALL 200 AMP METERED SERVICE PEDESTAL.

K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED. STUB OUT COUNDUIT BEND AT BASE OF UTILITY POLE WITH 3 RUNS OF 1 CONDUCTOR 250 KCMIL COILED 30 FT.

L. USE EXISTING HANDHOLE.

M. INSTALL HANDHOLE.

N. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUITS - TRENCHED.

P. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUITS - TRENCHED.

Q. EXISTING INTERCONNECT CONDUIT PREVIOUSLY ABANDONED TO REMAIN.

R. INSTALL GROUND MOUNTED SIGN USING ONE 4 INCH X 6 INCH WOOD SUPPORT.

S. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUITS - TRENCHED.

CONSTRUCTION DETAILS (CONTINUED)

T. INSTALL SHIELD ASSEMBLY ON THE SIGNAL POLE.

U. INSTALL CONCRETE FOUNDATION WITH A 21 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND.) STA. 109+54, 82' RT.

V. INSTALL TWO-4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUITS - TRENCHED.

W. INSTALL TWO-4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUITS - SLOTTED.

X. EXISTING SURVEILLANCE CAMERA TO BE RELOCATED BY OTHERS. CONTACT MIKE KINNEY OF MONTGOMERY COUNTY 2 WEEKS IN ADVANCE BEFORE BEGINING ANY WORK IN RELOCATING THE SURVEILANCE CAMERA.

Y. REMOVE EXISTING SPANWIRE AND ALL ASSOCIATED EQUIPMENT, AFTER NEW SIGNAL IS OPERATIONAL.

Z. REMOVE EXISTING POLE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL AFTER THE NEW SIGNAL IS OPERATIONAL.

AA. REMOVE EXISTING CONTROLLER AND CABINET.

BB. REMOVE EXISTING HANDHOLE AND BACKFILL 12 INCHES BELOW GRADE.

CC. CAP AND ABANDON EXISTING CONDUIT.

CONSTRUCTION DETAILS (CONTINUED)

DD. INSTALL CONCRETE FOUNDATION WITH 10 FT. PEDESTAL POLE WITH BREAKAWAY BASE WITH COUNTDOWN PEDESTRAIN SIGNAL HEAD SECTIONS, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS VEIRS MILL"), AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND.) STA. 110+51, 51' RT.

EE. INSTALL CONCRETE FOUNDATION WITH 10 FT. PEDESTAL POLE WITH BREAKAWAY BASE WITH COUNTDOWN PEDESTRAIN SIGNAL HEAD SECTIONS, R10-3(1) SIGN (TO READ "PUSH BUTTON TO CROSS FIRST STREET"), AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION WITH INTERNATIONAL TYPE II BRAILLE ON FACE PLATE. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND.) STA. 110+40, 65' RT, STA. 109+45, 70' RT.

FF. INSTALL GROUND MOUNTED SIGN USING TWO 4 INCH X 6 INCH WOOD SUPPORTS.

GG. USE EXISTING CONDUIT.

HH. REMOVE EXISTING INTERCONNECT CABLE BETWEEN EXISTING CABINET AND SPLICE CABINET AT STA. 109+40' RT.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

STORM DRAIN
GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
AERIAL CABLES
TELEPHONE CABLES
FIBER-OPTIC

SABRA, WANG & ASSOCIATES, INC.
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SUITE 160
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DIVISION
CHIEF TRAFFIC ENGINEERING DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

REVISIONS

E	SIGNAL REBUILD SHA NO.: M04215168	06-2009
D	REPLACE LOOP DETECTION WITH VIDEO CAMERAS. SHA NO.: M07175185	8-04
C	REDRAWN, ADJUST SIGNALS AND DETECTION FOR NEW GEOMETRICS. SHA NO. 855-25096	2-13-85

TMZ DD DAZ ETP MS TH

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

MD 28 (FIRST ST.) AT MD 586 (VEIRS MILL RD.) AT MD 911 (FIRST ST.)
INTERSECTION IMPROVEMENTS
ROCKVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20'	DATE 11-18-1981	CONTRACT NO. M-808-002-371	
DESIGNED BY		COUNTY MONTGOMERY	
DRAWN BY S. RENZI		LOGMILE 15002822.83	
CHECKED BY		TIMS NO. I-980	
F.A.P. NO. SEE TITLE SHEET		TOD NO. MO717-01	
TS NO. 51F	DRAWING NO. pSG OF P001	SHEET NO. 17 OF 28	

PLOTTED: Monday, May 18, 2009 AT 02:57 PM
FILE: R:\2008\28 STV_Dist 3 Eng Svcs BCS 2009-07H\Task 6 MD 28 MD 586\Dwg\signal\pSG-p001_MD 28.dgn

BY: Jpaladugu

DRILL HOLES