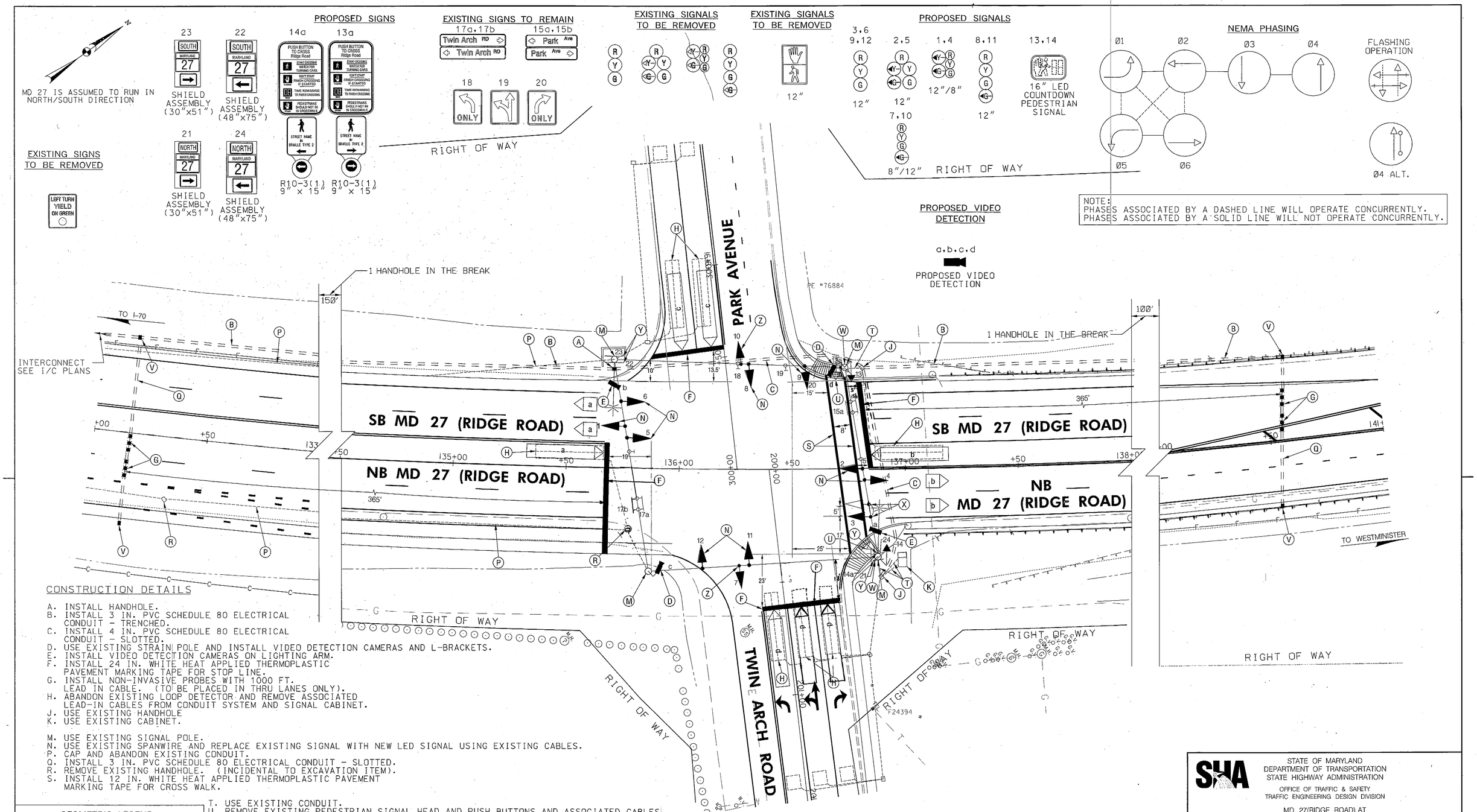

CONSTRUCTION DETAILS

A. INSTALL HANDHOLE.
B. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
C. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
D. USE EXISTING STRAIN POLE AND INSTALL VIDEO DETECTION CAMERAS AND L-BRACKETS.
E. INSTALL VIDEO DETECTION CAMERAS ON LIGHTING ARM.
F. INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.
G. INSTALL NON-INVASIVE PROBES WITH 1000 FT. LEAD IN CABLE. (TO BE PLACED IN THRU LANES ONLY).
H. ABANDON EXISTING LOOP DETECTOR AND REMOVE ASSOCIATED LEAD-IN CABLES FROM CONDUIT SYSTEM AND SIGNAL CABINET.
J. USE EXISTING HANDHOLE
K. USE EXISTING CABINET.

M. USE EXISTING SIGNAL POLE.
N. USE EXISTING SPANWIRE AND REPLACE EXISTING SIGNAL WITH NEW LED SIGNAL USING EXISTING CABLES.
P. CAP AND ABANDON EXISTING CONDUIT.
Q. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
R. REMOVE EXISTING HANDHOLE. (INCIDENTAL TO EXCAVATION ITEM).
S. INSTALL 12 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING TAPE FOR CROSS WALK.

T. USE EXISTING CONDUIT.
U. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSH BUTTONS AND ASSOCIATED CABLES.
V. INSTALLL HANDHOLE LENGTHWISE PERPENDICULAR TO THE ROADWAY FOR NON-INVASIVE PROBES.
W. INSTALL 16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, R10-3(1) TO READ "PUSHBUTTON TO CROSS RIDGE AT TWIN ARCH & PARK" AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION WITH TYPE II INTERNATIONAL BRAILLE ON FACEPLATE ON THE EXISTING SIGNAL POLE.
X. REMOVE EXISTING SIGNAL HEAD AND REPLACE WITH A NEW LED SIGNAL HEAD USING EXISTING CABLES AT A NEW LOCATION.
Y. INSTALL THE SHIELD ASSEMBLY OF EXISTING STRAIN POLE.
Z. INSTALL NEW NEARSIDE LED SIGNAL AS SHOWN ON THE PLAN.

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.
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
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WWW.SABRA-WANG.COM

APPROVALS	
TEAM LEADER, TRAFFIC ENGINEERING DIVISION	ORIGINAL ON FILE
ASST. CHIEF TRAFFIC ENGINEERING DIVISION	
CHIEF TRAFFIC ENGINEERING DIVISION	
DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

REVISIONS

B. INSTALLED VIDEO DETECTION, APS, NON-INVASIVE PROBES & UPGRADE TO LED SIGNAL HEADS.
SHA NO. CL3265176
11/10/2009

SWA CJS 10/10 DRB 10/15 BCS 10/13

A. REVISED THE SIGNAL DESIGN TO ACCOMODATE THE NEW GEOMETRIC DESIGN CHANGES.
SHA NO. BW 227-802-712
03/29/99

J B

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 27(RIDGE ROAD) AT
TWIN ARCH ROAD/PARK AVENUE
MOUNT AIRY, MARYLAND

SCALE 1" = 20'	DATE 8/2/2000	CONTRACT NO. CL-714-501-785	
DESIGNED BY JOHN J. DRINDORFER		COUNTY CARROLL	
DRAWN BY JOHN J. DRINDORFER		LOGMILE 06002701.47	
CHECKED BY		TIMS NO. I-954	
FAP NO. SEE TITLE SHEET		TOD NO.	
TS NO. 2179B	DRAWING PSG OF P001	SHEET NO. 79 OF 87	

PLOTTED: Thursday, September 24, 2009 AT 09:38 AM
FILE: R:\2006\25 SHA BCS 2005-17 SWA_D-DAVIS JV District 7\Task 02\DWG\Signal\pSG-P001_MD27.dgn

BY: JPALADINO