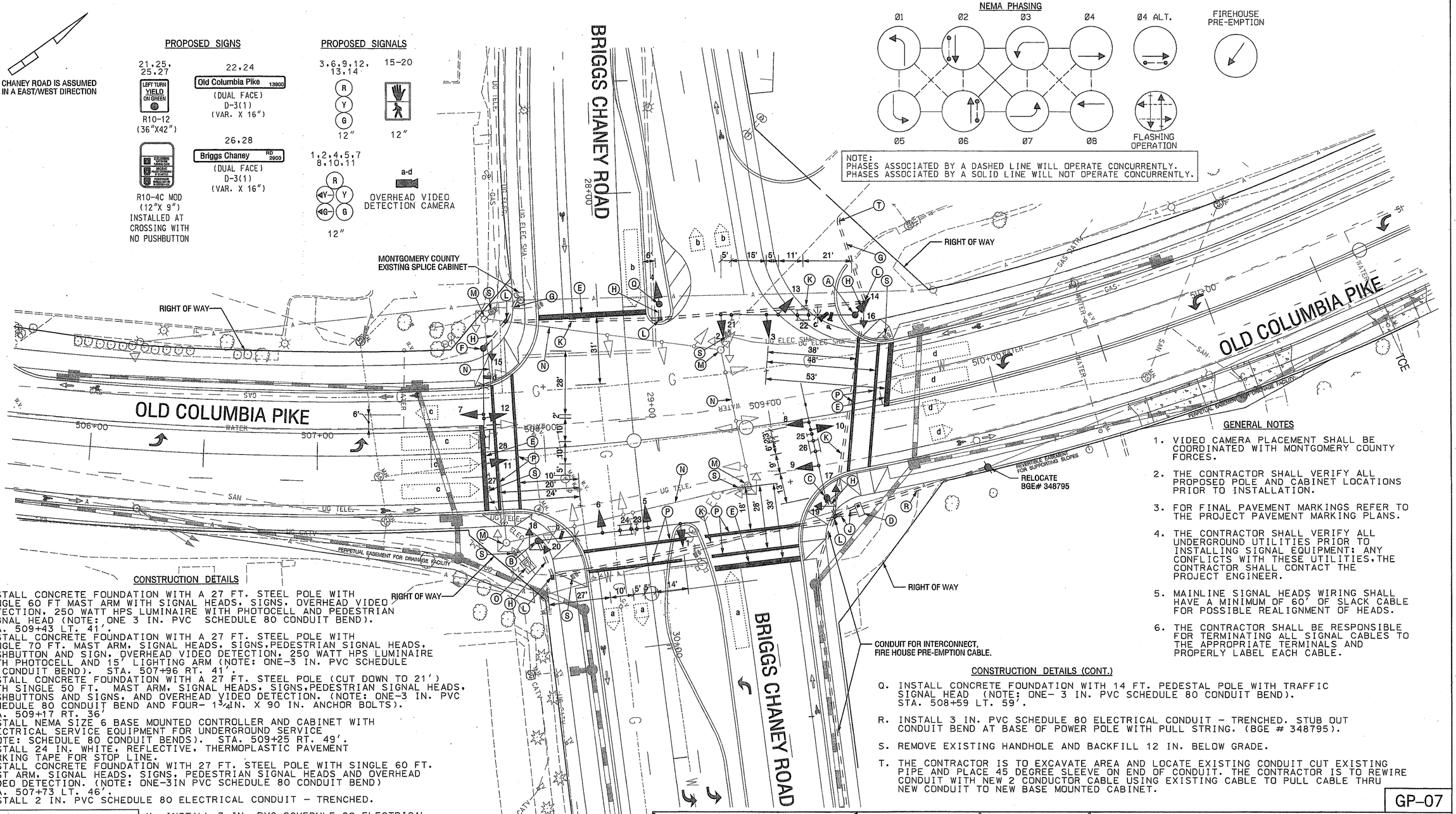

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 60 FT MAST ARM WITH SIGNAL HEADS, SIGNS, OVERHEAD VIDEO DETECTION, 250 WATT HPS LUMINAIRE WITH PHOTOCELL AND PEDESTRIAN SIGNAL HEAD (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 509+43 LT. 41'.

B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 70 FT. MAST ARM, SIGNAL HEADS, SIGNS,PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN, OVERHEAD VIDEO DETECTION, 250 WATT HPS LUMINAIRE WITH PHOTOCELL AND 15' LIGHTING ARM (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 507+96 RT. 41'.

C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE (CUT DOWN TO 21') WITH SINGLE 50 FT. MAST ARM, SIGNAL HEADS, SIGNS,PEDESTRIAN SIGNAL HEADS, PUSHBUTTONS AND SIGNS, AND OVERHEAD VIDEO DETECTION. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR- 1¾IN. X 90 IN. ANCHOR BOLTS). STA. 509+17 RT. 36'

D. INSTALL NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL SERVICE EQUIPMENT FOR UNDERGROUND SERVICE (NOTE: SCHEDULE 80 CONDUIT BENDS). STA. 509+25 RT. 49'.

E. INSTALL 24 IN. WHITE, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.

F. INSTALL CONCRETE FOUNDATION WITH 27 FT. STEEL POLE WITH SINGLE 60 FT. MAST ARM, SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNAL HEADS AND OVERHEAD VIDEO DETECTION. (NOTE: ONE-3IN PVC SCHEDULE 80 CONDUIT BEND) STA. 507+73 LT. 46'.

G. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

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

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

K. INSTALL 2-4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.

L. INSTALL HANDHOLE.

M. REMOVE EXISTING SIGNAL POLE FOUNDATION AND BACKFILL12 IN. BELOW GRADE.

N. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.

O. REMOVE EXISTING CONCRETE FOUNDATION AND BASE MOUNTED CABINET AND THEN BACKFILL 12 IN. BELOW GRADE.

P. INSTALL 12 IN. WHITE, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE FOR CROSSWALKS.

GENERAL NOTES

1. VIDEO CAMERA PLACEMENT SHALL BE COORDINATED WITH MONTGOMERY COUNTY FORCES.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PROJECT PAVEMENT MARKING PLANS.
4. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT; ANY CONFLICTS WITH THESE UTILITIES,THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
5. MAINLINE SIGNAL HEADS WIRING SHALL HAVE A MINIMUM OF 60' OF SLACK CABLE FOR POSSIBLE REALIGNMENT OF HEADS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

CONSTRUCTION DETAILS (CONT.)

Q. INSTALL CONCRETE FOUNDATION WITH 14 FT. PEDESTAL POLE WITH TRAFFIC SIGNAL HEAD (NOTE: ONE- 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 508+59 LT. 59'.

R. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. STUB OUT CONDUIT BEND AT BASE OF POWER POLE WITH PULL STRING. (BGE # 348795).

S. REMOVE EXISTING HANDHOLE AND BACKFILL 12 IN. BELOW GRADE.

T. THE CONTRACTOR IS TO EXCAVATE AREA AND LOCATE EXISTING CONDUIT CUT EXISTING PIPE AND PLACE 45 DEGREE SLEEVE ON END OF CONDUIT. THE CONTRACTOR IS TO REWIRE CONDUIT WITH NEW 2 CONDUCTOR CABLE USING EXISTING CABLE TO PULL CABLE THRU NEW CONDUIT TO NEW BASE MOUNTED CABINET.

GP-07

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
C-T	CABLE TV

MONTGOMERY COUNTY
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
ROCKVILLE, MARYLAND

RECOMMENDED BY _____ CHIEF, TRANS. SYSTEM MANAGEMENT SECTION
REVIEWED BY _____ ENGINEERING SERVICES SPECIALIST, DIV. OF TRAFFIC AND PARKING SERVICES
APPROVED BY _____ CHIEF, DIV. OF TRAFFIC AND PARKING SERVICES

SABRA, WANG & ASSOCIATES, INC.
1604 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
WWW.SABRA-WANG.COM

REVISIONS

Signal Reconstruction
Briggs Chaney Interchange
MC 868517C

APPROVALS

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

BRIGGS CHANEY ROAD AT OLD COLUMBIA PIKE INTERCHANGE IMPROVEMENTS

DRAWN BY:	W. J. NIES	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY:	R. R. ZACHERL	S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO.	
DATE:	11-16-93	LOG MILE:	15CBRI03.17	F-357	442 OF 504

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