MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

REMOVE EXISTING SIGNS

R3-5L 30" X 36" | R3-6 30" X 36" | R4-7 24" X 30"

PROPOSED SIGN

16 | 17 | 18 | 19 — TO CROSS WILSON DRIVE PUSH BUTTON / TO CROSS ROCKVILLE PIKE PUSH BUTTON

13: R3-5L 30"X36"

15: R3-6 (MOD) 30"X36"

20,21: R4-7 24"X30"

14: ROCKVILLE Pk 8800>

11a,11b,12a,12b: WILSON Dr

D3-2 DUAL FACED 16" X Var.

R10-4(1) 9"x15" (TO BE INSTALLED WITH APS PUSHBUTTON)

PROPOSED SIGNALS

1-6,22 — R Y G — 12"

7-10 — 16" PEDESTRIAN COUNTDOWN SIGNAL HEAD "LED" TYPE

PROPOSED VIDEO DETECTION

NEMA PHASING

02 | 04 | 06 | 04 ALT.

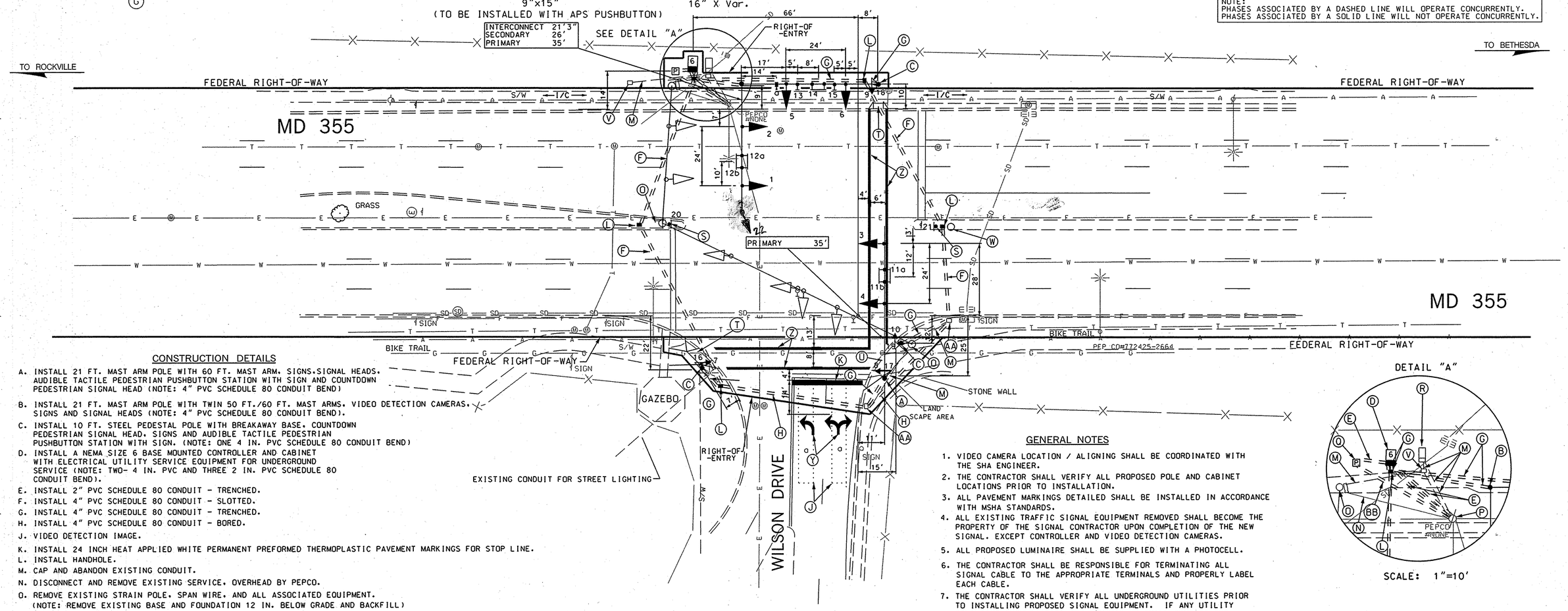
FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

REMOVE EXISTING SIGNALS

R Y G

REMOVE EXISTING CAMERAS



DETAIL "A"

SCALE: 1"=10'

CONSTRUCTION DETAILS

A. INSTALL 21 FT. MAST ARM POLE WITH 60 FT. MAST ARM. SIGNS.SIGNAL HEADS. AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION WITH SIGN AND COUNTDOWN PEDESTRIAN SIGNAL HEAD (NOTE: 4" PVC SCHEDULE 80 CONDUIT BEND)

B. INSTALL 21 FT. MAST ARM POLE WITH TWIN 50 FT./60 FT. MAST ARMS. VIDEO DETECTION CAMERAS. SIGNS AND SIGNAL HEADS (NOTE: 4" PVC SCHEDULE 80 CONDUIT BEND).

C. INSTALL 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE. COUNTDOWN PEDESTRIAN SIGNAL HEAD. SIGNS AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION WITH SIGN. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND)

D. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH ELECTRICAL UTILITY SERVICE EQUIPMENT FOR UNDERGROUND SERVICE (NOTE: TWO- 4 IN. PVC AND THREE 2 IN. PVC SCHEDULE 80 CONDUIT BEND).

E. INSTALL 2" PVC SCHEDULE 80 CONDUIT - TRENCHED.

F. INSTALL 4" PVC SCHEDULE 80 CONDUIT - SLOTTED.

G. INSTALL 4" PVC SCHEDULE 80 CONDUIT - TRENCHED.

H. INSTALL 4" PVC SCHEDULE 80 CONDUIT - BORED.

J. VIDEO DETECTION IMAGE.

K. INSTALL 24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE.

L. INSTALL HANDHOLE.

M. CAP AND ABANDON EXISTING CONDUIT.

N. DISCONNECT AND REMOVE EXISTING SERVICE. OVERHEAD BY PEPCO.

O. REMOVE EXISTING STRAIN POLE. SPAN WIRE. AND ALL ASSOCIATED EQUIPMENT. (NOTE: REMOVE EXISTING BASE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL)

P. PULL BACK EXISTING INTERCONNECT CABLE TO EXISTING UTILITY POLE AND RECONNECT TO NEW BASE MOUNTED CABINET. SEE GENERAL INFORMATION SHEET.

Q. INSTALL 200 AMP METERED SERVICE PEDESTAL.

R. REMOVE EXISTING BASE MOUNTED CONTROLLER. CABINET. AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

S. INSTALL GROUND MOUNTED SIGN WITH 4 X 4 WOOD POST.

T. INSTALL HANDICAP RAMP. (STD NO. MD 655.13)

U. INSTALL HANDICAP RAMP. (STD NO. MD 655.11)

V. REMOVE EXISTING HANDHOLE

W. REMOVE EXISTING BASE AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.

X. REMOVE EXISTING PAVEMENT MARKINGS- ANY SIZE

Y. INSTALL HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS ARROWS.

Z. INSTALL 12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOP LINE.

AA. USE EXISTING HANDHOLE.

BB. INSTALL 4" PVC SCHEDULE 80 CONDUIT - TRENCHED. (STUB UP AT BASE OF UTILITY POLE. PROVIDE 35 FT OF SLACK/COIL 3 WIRE. 1 CONDUCTOR 250 KCML. CU. USE ELECTRICAL CABLE FOR SERVICE)

GENERAL NOTES

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. ALL PAVEMENT MARKINGS DETAILED SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL. EXCEPT CONTROLLER AND VIDEO DETECTION CAMERAS.
5. ALL PROPOSED LUMINAIRE SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER. NOTE: THE CONTRACTOR TO BE AWARE OF THE FIBER OPTIC LINE.
8. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03. MD 818.01. MD 818.02. MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

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
F	FIBER-OPTIC

TOD NO: AT910-12
SHA No.: MO579A55/C55
MD 355 @ Wilson Drive

BAI
BRUDIS & ASSOCIATES, INC.
CONSULTING ENGINEERS
9220 RUMSEY ROAD SUITE 110
COLUMBIA, MARYLAND 21045
410-884-3607 410-884-3609(FAX)

APPROVALS

ORIGINAL ON FILE

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

A 6/2005 REPLACED LOOP DETECTION WITH VIDEO CAMERAS
SHA: AT725185 G930
JWA | JH | MAR | DAZ

B 12/08/2005 REMOVE DAMAGED STRAIN POLE BASE IN MEDIAN
SHA: TIMS = G930
MAM | KMP | JAH | WH

C 12/06/2006 RECONSTRUCT SIGNAL W/ CPS AND APS
SHA: AT910185 TIMS H556
M.A.H.

PLOTTED: $DATETIME$
FILE: $FILE$

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

MD 355 AT WILSON DRIVE
BETHESDA, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE _____ CONTRACT NO. _____

DESIGNED BY SHA
DRAWN BY SHA
CHECKED BY SHA
F.A.P. NO. _____

COUNTY MONTGOMERY
LOGMILE 15035502.94
T.I.M.S. NO. H556
TOD NO. _____

DRAWING NO. 4387C - OF SHEET NO. 1 OF 2

BY: $USERNAME$