MD 355 (ROCKVILLE PIKE) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS TO REMAIN

30 31 ONLY 29,32 Rockville PIKE 27,28 Rockville PIKE 21 Jones Bridge RD 22 Jones Bridge RD

EXISTING SIGN TO BE REMOVED

Center DR DUAL FACE

PROPOSED SIGNS

26 Center DR D-3(1) (VAR.x16") 20 Center DR D-3(1) (VAR.x16")

23 ONLY R3-5(L) (30"x36")

24 YIELD ON FLASHING RED ARROW AFTER STOP R10-12(2) (48"x36")

PROPOSED FIBEROPTIC BLANKOUT SIGN

25 ONLY ONLY NORMAL OPERATION

EXISTING SIGNALS TO REMAIN

4,11 2 3,13 10,12 14,15,16, 17,18,19

12" 12" 12" 12" 12"

EXISTING SIGNALS TO BE REMOVED

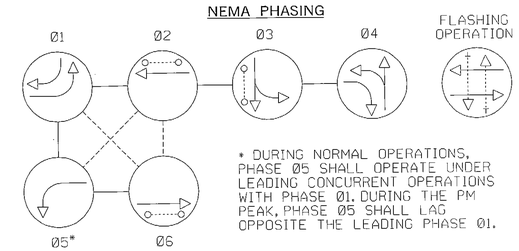
R Y G 12" 12" 12"

PROPOSED LED SIGNALS

1,5,6,7 8,9

R Y G 12" 12"

NEMA PHASING



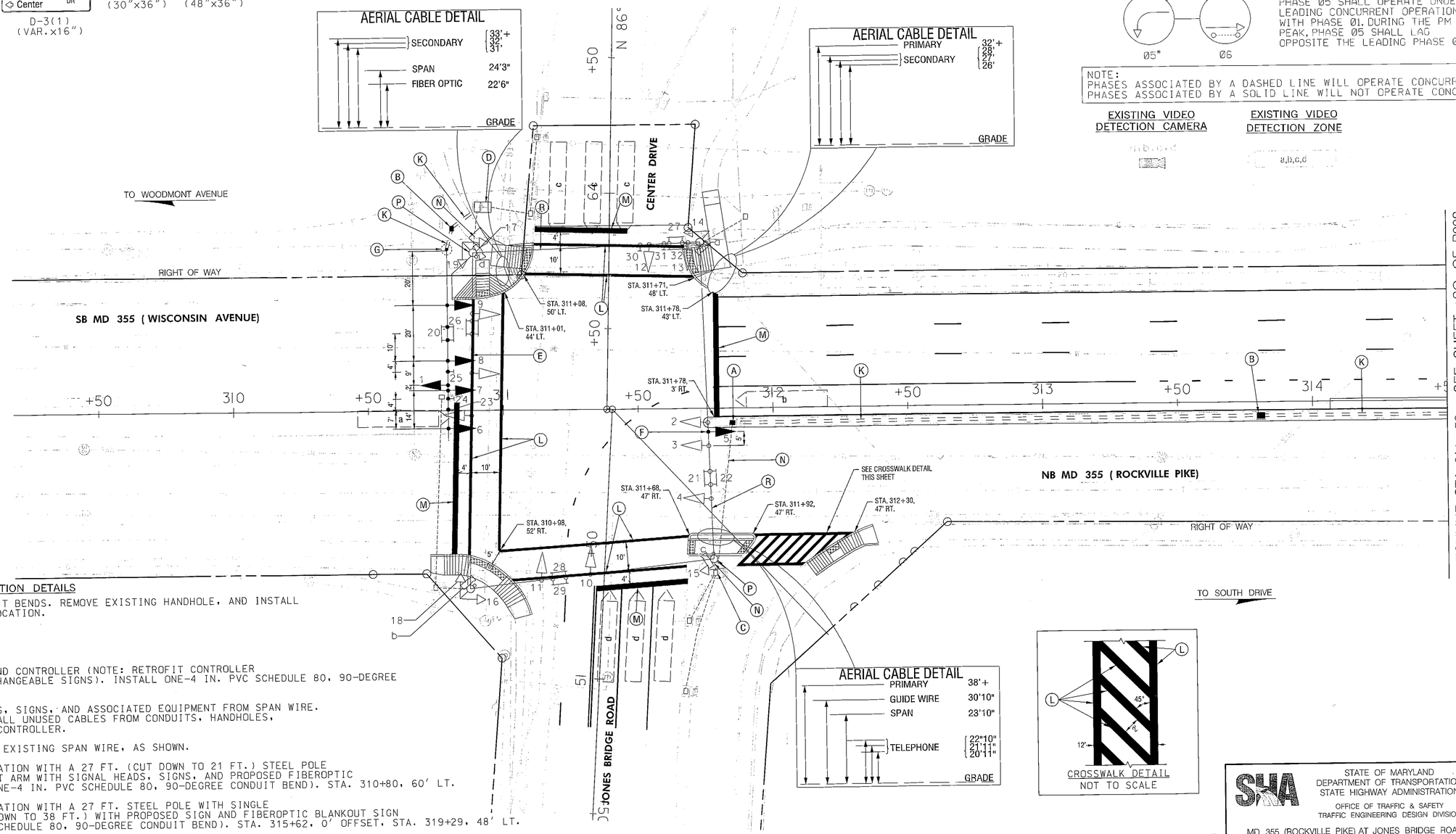
* DURING NORMAL OPERATIONS, PHASE 05 SHALL OPERATE UNDER LEADING CONCURRENT OPERATIONS WITH PHASE 01. DURING THE PM PEAK, PHASE 05 SHALL LAG OPPOSITE THE LEADING PHASE 01.

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

EXISTING VIDEO DETECTION CAMERA

EXISTING VIDEO DETECTION ZONE

a,b,c,d



CROSSWALK DETAIL
NOT TO SCALE

20' 0 20' 40'
SCALE: 1" = 20'

CONSTRUCTION DETAILS

A. PROTECT EXISTING CONDUIT BENDS. REMOVE EXISTING HANDHOLE, AND INSTALL NEW HANDHOLE AT SAME LOCATION.

B. INSTALL HANDHOLE.

C. USE EXISTING HANDHOLE.

D. USE EXISTING CABINET AND CONTROLLER (NOTE: RETROFIT CONTROLLER EQUIPMENT TO OPERATE CHANGEABLE SIGNS). INSTALL ONE-4 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND IN BASE.

E. REMOVE ALL SIGNAL HEADS, SIGNS, AND ASSOCIATED EQUIPMENT FROM SPAN WIRE. DISCONNECT AND REMOVE ALL UNUSED CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.

F. INSTALL SIGNAL HEAD ON EXISTING SPAN WIRE, AS SHOWN.

G. INSTALL CONCRETE FOUNDATION WITH A 27 FT. (CUT DOWN TO 21 FT.) STEEL POLE WITH SINGLE 70 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, AND PROPOSED FIBEROPTIC BLANKOUT SIGN (NOTE: ONE-4 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 310+80, 60' LT.

H. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM (CUT DOWN TO 38 FT.) WITH PROPOSED SIGN AND FIBEROPTIC BLANKOUT SIGN (NOTE: ONE-4 IN. PVC SCHEDULE 80, 90-DEGREE CONDUIT BEND). STA. 315+62, 0' OFFSET, STA. 319+29, 48' LT.

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

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

L. INSTALL 12" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING - SOLID LINE.

M. INSTALL 24" WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING - STOPLINE.

N. USE EXISTING CONDUIT.

P. USE EXISTING STRAIN POLE.

R. USE EXISTING SPAN WIRE.

S. INSTALL HANDHOLE. HAND DIG TO AVOID UTILITY CONFLICTS.

T. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. HAND DIG TO AVOID CONFLICTS.

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
(410) 737-6564
WWW.SABRA-WANG.COM

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

B SHA NO. M05935770 05-2011
ADD DYNAMIC LANE USE CONTROL ALONG SB MD 355
SWA WS MWO 2005 MAR 4th T.H.

A. SHA NO. A7T245185 06-2005
REPLACE LOOP DETECTION WITH VIDEO CAMERAS
JWA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 355 (ROCKVILLE PIKE) AT JONES BRIDGE ROAD /CENTER DRIVE

BETHESDA, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE MAY 1978 CONTRACT NO.

DESIGNED BY WSW
DRAWN BY MVR
CHECKED BY WSW
F.A.P. NO. SEE TITLE SHEET

COUNTY MONTGOMERY
LOGMILE 15035502.55
T.I.M.S. NO.
TOD NO.

TS NO. 2706B | DRAWING NO. pSG OF P001 | SHEET NO. 93 OF 130

PLOTTED: Tuesday, June 14, 2011 AT 08:52 AM
FILE: R:\2003\24 BCS 2003-08A WBCM_CENTURY HWY\Task 54 MD 355 at Jones Bridge Advance Contract\Dwg\Signals\pSG-P001_MD355.dgn

BY: khodges -