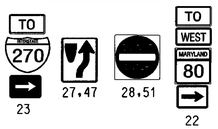
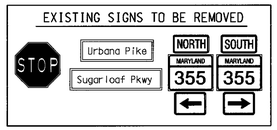
MD 355 IS ASSUMED TO RUN NORTH / SOUTH

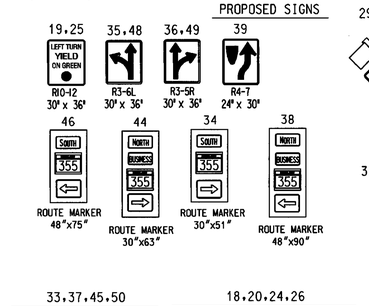
EXISTING SIGNS



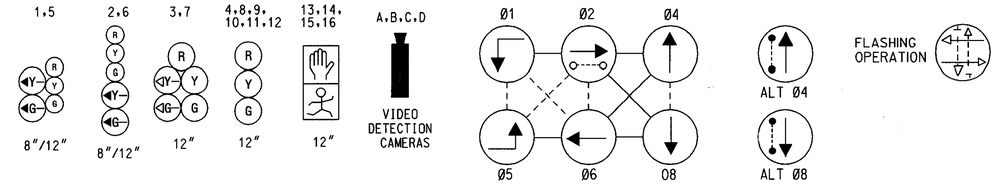
EXISTING SIGNS TO BE REMOVED



PROPOSED SIGNS



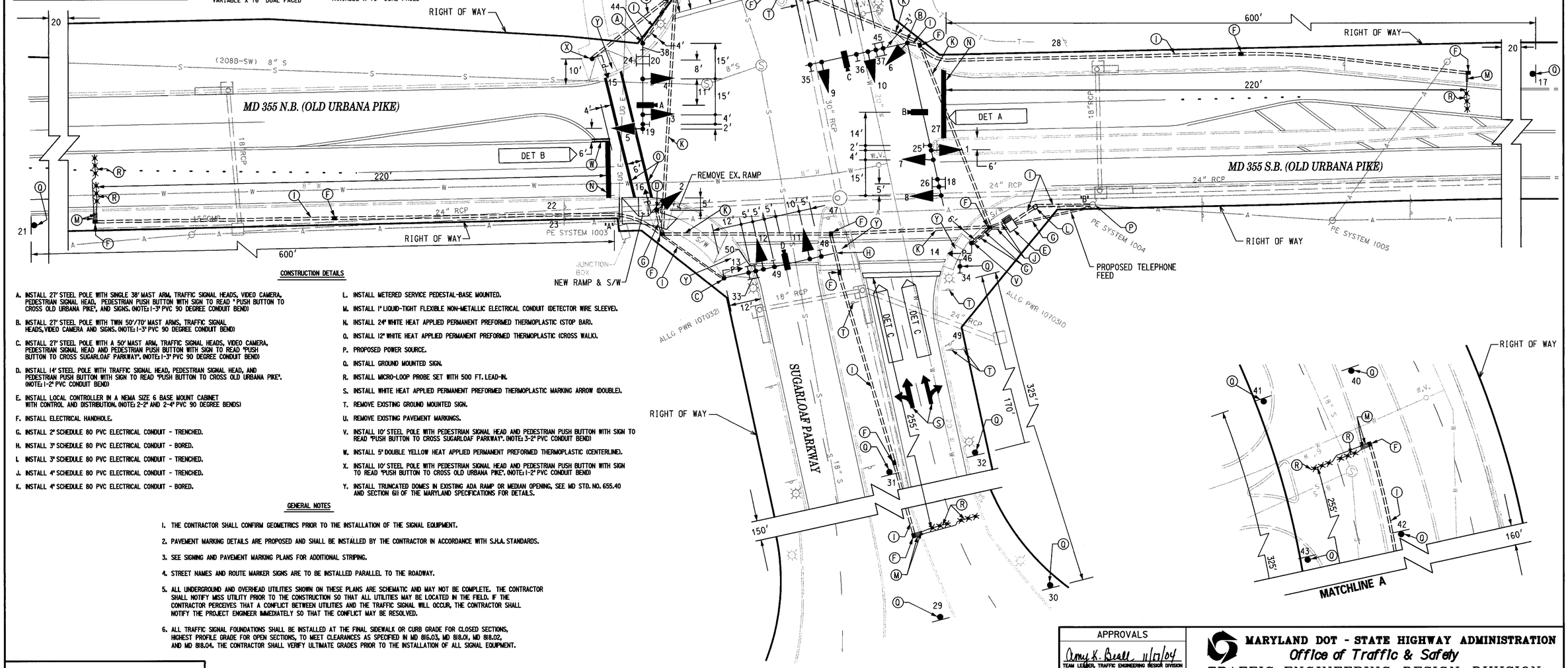
PROPOSED SIGNALS



PHASING DIAGRAM

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. INSTALL 27' STEEL POLE WITH SINGLE 38' MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO CAMERA, PEDESTRIAN SIGNAL HEAD, PEDESTRIAN PUSH BUTTON WITH SIGN TO READ "PUSH BUTTON TO CROSS OLD URBANA PIKE", AND SIGNS. (NOTE: 1-3" PVC 90 DEGREE CONDUIT BEND)

B. INSTALL 27' STEEL POLE WITH TWIN 50'/70' MAST ARMS, TRAFFIC SIGNAL HEADS, VIDEO CAMERA AND SIGNS. (NOTE: 1-3" PVC 90 DEGREE CONDUIT BEND)

C. INSTALL 27' STEEL POLE WITH A 50' MAST ARM, TRAFFIC SIGNAL HEADS, VIDEO CAMERA, PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSH BUTTON WITH SIGN TO READ "PUSH BUTTON TO CROSS SUGARLOAF PARKWAY". (NOTE: 1-3" PVC 90 DEGREE CONDUIT BEND)

D. INSTALL 14' STEEL POLE WITH TRAFFIC SIGNAL HEAD, PEDESTRIAN SIGNAL HEAD, AND PEDESTRIAN PUSH BUTTON WITH SIGN TO READ "PUSH BUTTON TO CROSS OLD URBANA PIKE". (NOTE: 1-2" PVC CONDUIT BEND)

E. INSTALL LOCAL CONTROLLER IN A NEMA SIZE 6 BASE MOUNT CABINET WITH CONTROL AND DISTRIBUTION. (NOTE: 2-2" AND 2-4" PVC 90 DEGREE BENDS)

F. INSTALL ELECTRICAL HANDHOLE.

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

H. INSTALL 3" SCHEDULE 80 PVC ELECTRICAL CONDUIT - BORED.

I. INSTALL 3" SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED.

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

K. INSTALL 4" SCHEDULE 80 PVC ELECTRICAL CONDUIT - BORED.

L. INSTALL METERED SERVICE PEDESTAL-BASE MOUNTED.

M. INSTALL 1" LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).

N. INSTALL 24" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC (STOP BAR).

O. INSTALL 12" WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC (CROSS WALK).

P. PROPOSED POWER SOURCE.

Q. INSTALL GROUND MOUNTED SIGN.

R. INSTALL MICRO-LOOP PROBE SET WITH 500 FT. LEAD-IN.

S. INSTALL WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC MARKING ARROW (DOUBLE).

T. REMOVE EXISTING GROUND MOUNTED SIGN.

U. REMOVE EXISTING PAVEMENT MARKINGS.

V. INSTALL 10' STEEL POLE WITH PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSH BUTTON WITH SIGN TO READ "PUSH BUTTON TO CROSS SUGARLOAF PARKWAY". (NOTE: 3-2" PVC CONDUIT BEND)

W. INSTALL 5" DOUBLE YELLOW HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC (CENTERLINE).

X. INSTALL 10' STEEL POLE WITH PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSH BUTTON WITH SIGN TO READ "PUSH BUTTON TO CROSS OLD URBANA PIKE". (NOTE: 1-2" PVC CONDUIT BEND)

Y. INSTALL TRUNCATED DOMES IN EXISTING ADA RAMP OR MEDIAN OPENING, SEE MD STD. NO. 655.40 AND SECTION 611 OF THE MARYLAND SPECIFICATIONS FOR DETAILS.

GENERAL NOTES

1. THE CONTRACTOR SHALL CONFIRM GEOMETRICS PRIOR TO THE INSTALLATION OF THE SIGNAL EQUIPMENT.
2. PAVEMENT MARKING DETAILS ARE PROPOSED AND SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS.
3. SEE SIGNING AND PAVEMENT MARKING PLANS FOR ADDITIONAL STRIPING.
4. STREET NAMES AND ROUTE MARKER SIGNS ARE TO BE INSTALLED PARALLEL TO THE ROADWAY.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL NOTIFY MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
6. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

UTILITY LEGEND

—G—G—	GAS MAIN
—W—W—	WATER MAIN
—S—S—	SEWER MAIN
—E—E—	ELECTRIC CABLES
—UG E— UG E—	UDERGROUND ELECTIC
—A—A—	AERIAL CABLES
—T—T—	TELEPHONE CABLES

OVERHEAD LINE HEIGHTS AT "A"	
PRIMARY	49'-7"
PRIMARY	40'-9"
PRIMARY	32'-7"
SECONDARY	23'-7"
SECONDARY	23'-0"
SECONDARY	22'-3"

OVERHEAD LINE HEIGHTS AT "B"	
PRIMARY	46'-10"
PRIMARY	35'-9"
PRIMARY	29'-7"
SECONDARY	22'-8"
SECONDARY	20'-4"
SECONDARY	19'-3"

JOHNSON, MIRMIRAN & THOMPSON
Engineering A Brighter Future

APPROVALS

Amy K. Beall 11/17/04
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

11/18/04
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

11.18.04
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

11-18-04
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN
EXISTING MD 355 AT SUGARLOAF PARKWAY

DRAWN BY: SSS	F.A.P. NO. NONE	TS NO. 4362	SHEET NO.
CHECKED BY: SWW	S.H.A. NO. NONE		
SCALE: 1"=20'	COUNTY: FREDERICK	T.I.M.S. NO. G143	
DATE: 8/26/04	LOG MILE: 10035503.81		127 OF 152

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DATE: 10-Nov-04 17:04