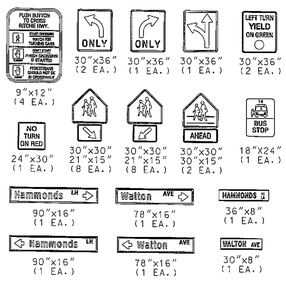
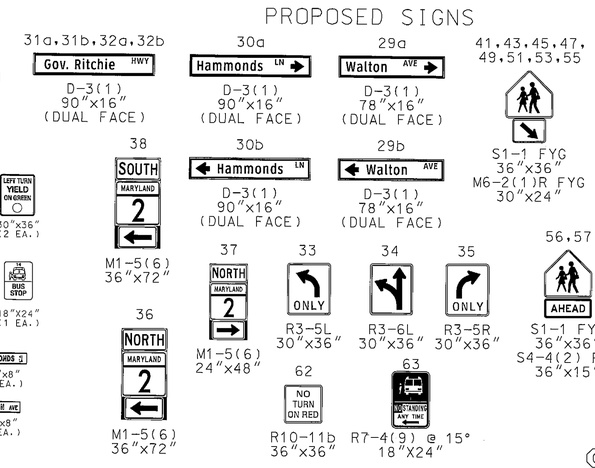
MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

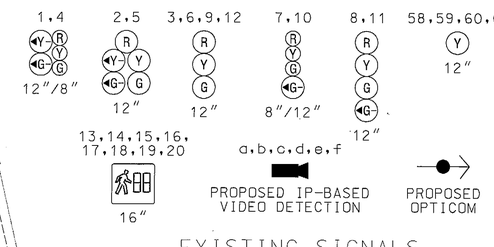
EXISTING SIGNS TO BE REMOVED



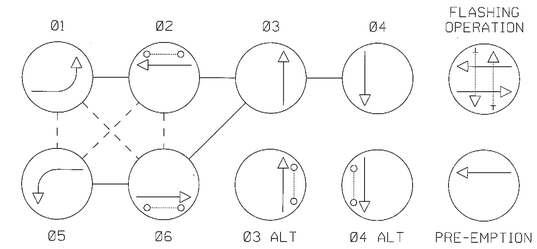
PROPOSED SIGNS



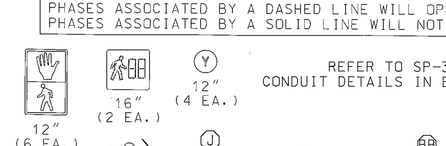
PROPOSED LED SIGNALS



NEMA PHASING



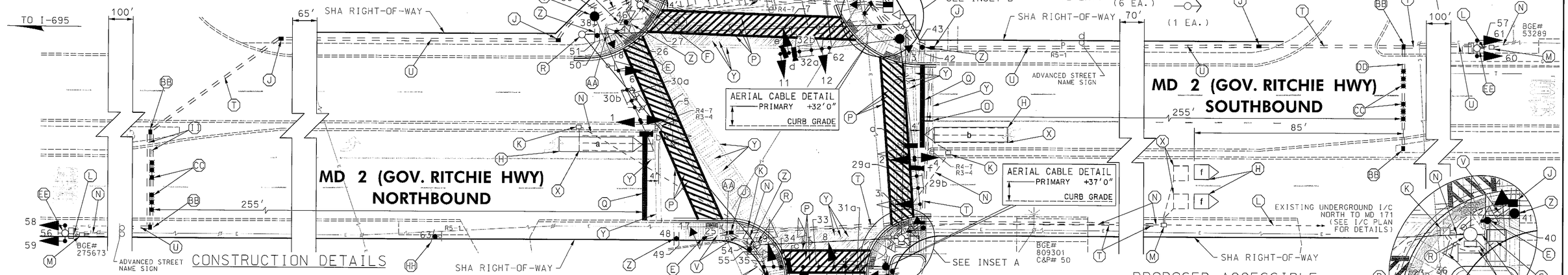
EXISTING SIGNALS TO BE REMOVED



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

REFER TO SP-3 FOR CONDUIT DETAILS IN BREAK

CONSTRUCTION DETAILS



A. INSTALL 27 FT. TWIN MAST ARM POLE WITH 50 FT. AND 70 FT. MAST ARMS, 15 FT. LIGHTING ARM WITH 250 WATT HPS LAMP AND LUMINAIRE, LED SIGNAL HEADS, SIGNS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK) AND IP-BASED VIDEO DETECTION CAMERAS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH FINAL SIDEWALK GRADE. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.

B. INSTALL 27 FT. MAST ARM POLE WITH 50 FT. MAST ARM, 15 FT. LIGHTING ARM WITH 250 WATT HPS LAMP AND LUMINAIRE, LED SIGNAL HEADS, SIGNS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK) AND IP-BASED VIDEO DETECTION CAMERA. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH FINAL SIDEWALK GRADE. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.

C. INSTALL 27 FT. MAST ARM POLE WITH 70 FT. MAST ARM, LED SIGNAL HEADS, SIGNS AND IP-BASED VIDEO DETECTION CAMERA. TOP OF FOUNDATION SHALL BE INSTALLED AT TOP OF CURB GRADE. NOTE: INSTALL 1-3 IN. CONDUIT BEND IN POLE BASE.

D. INSTALL NEMA SIZE S BASE MOUNTED CABINET AND CONTROLLER WITH 2-WIRE APS CENTRAL CONTROL UNIT AND IP-BASED VIDEO DETECTION INTERFACE EQUIPMENT. NOTE: INSTALL 2-2 IN. AND 2-4 IN. CONDUIT BENDS IN CABINET BASE. CAP UNUSED CONDUIT BEND.

E. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). NOTE: INSTALL 1-2 IN. CONDUIT BEND IN POLE BASE. REFER TO STANDARD MD 801.01-01 FOR FOUNDATION DETAILS. TOP OF FOUNDATION SHALL BE INSTALLED FLUSH WITH FINAL SIDEWALK GRADE.

F. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, SIGN AND SCHOOL CROSSING SIGNS FROM PEDESTAL POLE. INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, APS PUSHBUTTON AND SIGN (ORIENT PARALLEL TO CROSSWALK). PLUG UNUSED HOLES.

G. INSTALL 100 AMP EMBEDDED METERED SERVICE PEDESTAL. NOTE: INSTALL 1-4 IN. AND 3-2 IN. CONDUIT BENDS IN BASE.

H. PROPOSED VIDEO DETECTION ZONE.

I. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED. STUB AT UTILITY POLE NO. 275692.

J. INSTALL ELECTRICAL HANDHOLE.

K. REMOVE EXISTING HANDHOLE AND MAKE FLUSH WITH FINAL GRADE.

L. USE EXISTING CONDUIT.

M. USE EXISTING HANDHOLE. CAP ABANDONED CONDUIT.

N. CAP AND ABANDON EXISTING CONDUIT.

O. INSTALL 5 INCH WHITE PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING.

P. INSTALL 12 INCH WHITE PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING.

Q. INSTALL 24 INCH WHITE PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING.

R. REMOVE EXISTING STRAIN POLE AND ASSOCIATED SIGNAL EQUIPMENT. REMOVE EXISTING FOUNDATION BELOW GRADE AND MAKE FLUSH WITH FINAL GRADE.

S. REMOVE EXISTING BASE MOUNTED CABINET. REMOVE EXISTING FOUNDATION BELOW GRADE AND MAKE FLUSH WITH FINAL SIGNAL GRADE.

T. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED.

U. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

V. INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

W. INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

X. ABANDON EXISTING LOOP DETECTOR.

Y. REMOVE EXISTING PAVEMENT MARKINGS.

Z. INSTALL GROUND MOUNTED SIGN ON 4"x6" WOOD SIGN SUPPORT (DRILLED).

AA. REMOVE EXISTING GROUND MOUNTED SIGNS AND SUPPORT.

BB. INSTALL ELECTRICAL HANDHOLE. INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO ROADWAY.

CC. INSTALL NON-INVASIVE MICROLOOP PROBE DETECTOR WITH LEAD-IN CABLE. INSTALL DETECTORS CENTERED IN LANE.

DD. INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED FOR CARRIER PIPE.

EE. REMOVE EXISTING SIGNAL HEADS, SIGNS, CABINET AND ELECTRICAL SERVICE EQUIPMENT FROM PEDESTAL POLE. INSTALL PROPOSED LED SIGNAL HEADS AND SIGNS ON PEDESTAL POLE. BG&E TO DISCONNECT EXISTING SERVICE.

FF. REMOVE EXISTING PAVEMENT MARKING ARROW OR SYMBOL.

GG. INSTALL WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW.

HH. INSTALL GROUND MOUNTED SIGN ON 1-4"X4" WOOD SIGN SUPPORT. FINAL LOCATION TO BE COORDINATED WITH MTA AND BUS PAD LOCATION.

II. INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED FOR CARRIER PIPE, AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.

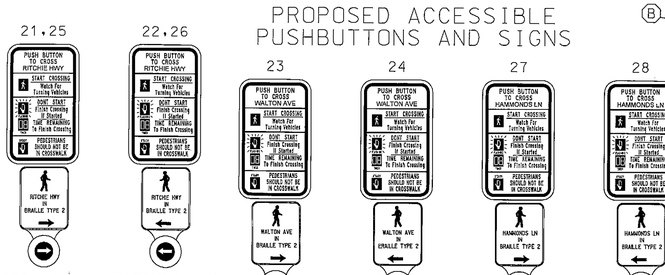
GEOMETRIC LEGEND

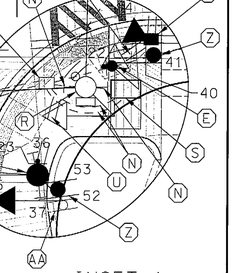
EXISTING
PROPOSED

UTILITY LEGEND

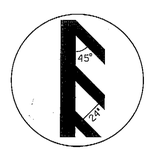
SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
E — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC

PROPOSED ACCESSIBLE PUSHBUTTONS AND SIGNS

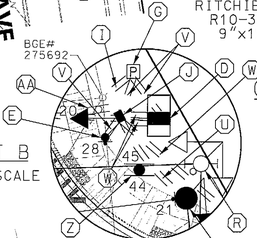




INSET A
NOT TO SCALE



CROSSWALK DETAIL



INSET B
NOT TO SCALE

CONSTRUCTION DETAILS (CONT.)

RK&K
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Engineers Construction Managers Planners Scientists
www.rkk.com

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

G	SIGNAL RECONSTRUCTION. INSTALL APS/CPS SHA NO.XX6475185, TIMS NO. L-087					04-2012	
F	ADD ADDITIONAL EB LEFT TURN LANE SHA NO. BW996M82, TIMS NO. J-408					01-30-2009	
E	INSTALL OPTICOM. SB SHA NO. AT9365185 TIMS NO. I-241					05-10-2007	
SR	TZ	DJD	RWB	WG	TH		
JWA							

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

MD 2 (GOV. RITCHIE HWY) AT HAMMONDS LN / WALTON AVE
GLEN BURNIE, MD

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 05-12-1999 CONTRACT NO. AA683A57

DESIGNED BY MAR
DRAWN BY JAH
CHECKED BY
FAP NO.
COUNTY ANNE ARUNDEL
LOGMILE 02000240.11
TIMS NO.
TOD NO.

TS NO. 796G | DRAWING SP-1 OF 2 | SHEET NO. 1 OF 5

PLOTTED: Wednesday, April 18, 2012 AT 10:53 AM
FILE \\khm\v2008\2008\08148_todde\Task 92_MD 2 at Hammonds Lane\CADD\sSG-0001_MD2@Hammonds.dgn

TOD NO: XX647-20
SHA NO: AA127B5C
MD 2 @ Hammonds Lane/Walton Avenue

BY: WFW