EXISTING SIGNS TO BE RELOCATED

14,15

BALTIMORE COUNTY
HISTORICAL SOCIETY INC.
PUBLIC LIBRARY COCKEYSVILLE BRANCH
SOIL CONSERVATION DISTRICT
UNIVERSITY OF MD CO OP EXTENSION SERVICE

(42" x 60")

12,13,16,17

Galloway Ave

D-3(1) (DUAL FACED) (VARIABLE x 16")

18,21,22,25

York Rd

D-3(1) (DUAL FACED) (VARIABLE x 16")

PROPOSED SIGNS

20 — R3-2 (MOD.) (30" x 30")

24 — R3-5L (30" x 36")

26 — R3-6(MOD) (42" x 36") SEE SIGN DETAIL 'A'

27 — NO OUTLET — W14-2 (FL/Y) (30" x 30")

19,23 — WEST 45 EAST — M95-1 (72" x 24")

MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

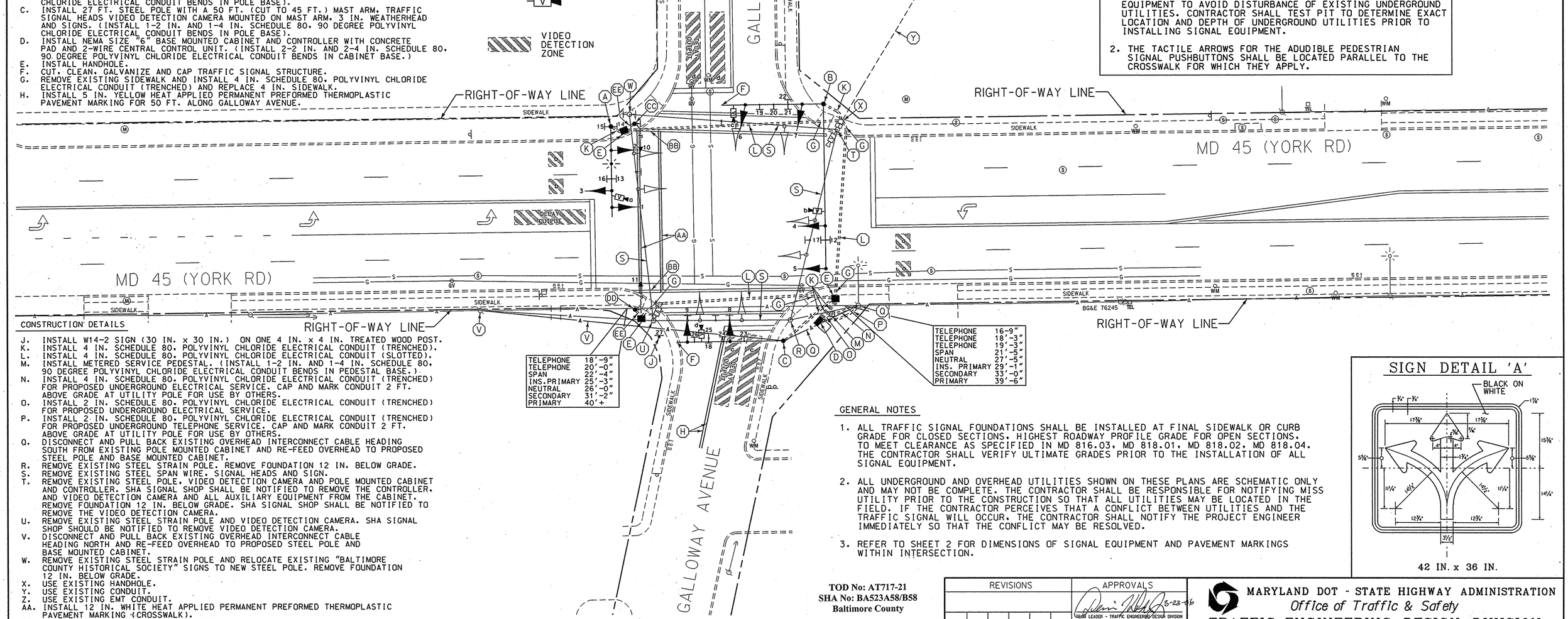
PROPOSED VIDEO DETECTION CAMERA

a,b,c,d — V

VIDEO DETECTION ZONE

CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH A 38 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, RELOCATED "BALTIMORE COUNTY HISTORICAL SOCIETY" SIGNS, VIDEO DETECTION CAMERA MOUNTED ON MAST ARM AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
B. INSTALL 27 FT. STEEL POLE WITH A TWIN 50 FT.(CUT TO 43 FT.)/70 FT. MAST ARMS, TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERAS MOUNTED ON MAST ARMS AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
C. INSTALL 27 FT. STEEL POLE WITH A 50 FT. (CUT TO 45 FT.) MAST ARM, TRAFFIC SIGNAL HEADS VIDEO DETECTION CAMERA MOUNTED ON MAST ARM, 3 IN. WEATHERHEAD AND SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
D. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD AND 2-WIRE CENTRAL CONTROL UNIT. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
E. INSTALL HANDHOLE.
F. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
G. REMOVE EXISTING SIDEWALK AND INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) AND REPLACE 4 IN. SIDEWALK.
H. INSTALL 5 IN. YELLOW HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR 50 FT. ALONG GALLOWAY AVENUE.



SIGNAL HEADS (LED)

1,2,5-9 — R Y G — 12"

3 — R Y G — 12"/8"

4 — R Y G — 12"

10,11 — W20 — 16"

NEMA PHASING

Ø 1 (LAG), Ø 2, Ø 4, FIREHOUSE PRE-EMPTION, Ø 6, Ø 8, Ø 4+Ø 8 ALT FLASHING OPERATION

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

SPECIAL NOTES:

1. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.
2. THE TACTILE ARROWS FOR THE ADUDIBLE PEDESTRIAN SIGNAL PUSHBUTTONS SHALL BE LOCATED PARALLEL TO THE CROSSWALK FOR WHICH THEY APPLY.

CONSTRUCTION DETAILS

J. INSTALL W14-2 SIGN (30 IN. x 30 IN.) ON ONE 4 IN. x 4 IN. TREATED WOOD POST.
K. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
L. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
M. INSTALL METERED SERVICE PEDESTAL. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE.)
N. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.
O. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
P. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY OTHERS.
Q. DISCONNECT AND PULL BACK EXISTING OVERHEAD INTERCONNECT CABLE HEADING SOUTH FROM EXISTING POLE MOUNTED CABINET AND RE-FEED OVERHEAD TO PROPOSED STEEL POLE AND BASE MOUNTED CABINET.
R. REMOVE EXISTING STEEL STRAIN POLE. REMOVE FOUNDATION 12 IN. BELOW GRADE.
S. REMOVE EXISTING STEEL SPAN WIRE, SIGNAL HEADS AND SIGN.
T. REMOVE EXISTING STEEL POLE, VIDEO DETECTION CAMERA AND POLE MOUNTED CABINET AND CONTROLLER. SHA SIGNAL SHOP SHALL BE NOTIFIED TO REMOVE THE CONTROLLER, AND VIDEO DETECTION CAMERA AND ALL AUXILIARY EQUIPMENT FROM THE CABINET. REMOVE FOUNDATION 12 IN. BELOW GRADE. SHA SIGNAL SHOP SHALL BE NOTIFIED TO REMOVE THE VIDEO DETECTION CAMERA.
U. REMOVE EXISTING STEEL STRAIN POLE AND VIDEO DETECTION CAMERA. SHA SIGNAL SHOP SHOULD BE NOTIFIED TO REMOVE VIDEO DETECTION CAMERA.
V. DISCONNECT AND PULL BACK EXISTING OVERHEAD INTERCONNECT CABLE HEADING NORTH AND RE-FEED OVERHEAD TO PROPOSED STEEL POLE AND BASE MOUNTED CABINET.
W. REMOVE EXISTING STEEL STRAIN POLE AND RELOCATE EXISTING "BALTIMORE COUNTY HISTORICAL SOCIETY" SIGNS TO NEW STEEL POLE. REMOVE FOUNDATION 12 IN. BELOW GRADE.
X. USE EXISTING HANDHOLE.
Y. USE EXISTING CONDUIT.
Z. USE EXISTING EMT CONDUIT.
AA. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
BB. REMOVE EXISTING PAVEMENT MARKINGS.
CC. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT, BRAILLE TEXT AND R10-4(1) SIGN (SIGN TO READ "PUSH BUTTON TO CROSS YORK ROAD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
DD. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT, BRAILLE TEXT AND R10-4(1) SIGN (SIGN TO READ "PUSH BUTTON TO CROSS YORK ROAD"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
EE. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).

GENERAL NOTES

1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCE 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.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING 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.
3. REFER TO SHEET 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.

SIGN DETAIL 'A'

42 IN. x 36 IN.

TOD No: AT717-21
SHA No: BA523A58/B58
Baltimore County

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV

WR&A
Whitman, Requardt and Associates, LLP
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Baltimore, Maryland 21231
(410) 235-3450

REVISIONS

APPROVALS

3-23-06 — TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION

4-24-06 — ASST. TRAFFIC ENGINEERING DESIGN DIVISION

4/24/06 — CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

4/25 — DIRECTOR, TRAFFIC & SAFETY

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

TRAFFIC SIGNALIZATION PLAN
MD 45 @ GALLOWAY AVENUE

DRAWN BY:	S. BLOSS	F.A.P. NO.		TS NO. 4426	SHEET NO.
CHECKED BY:	N. LEARY	S.H.A. NO.	AT7175185		
SCALE:	1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. G342	1 OF 2
DATE:	3/22/2006	LOG MILE:	03045006.57		

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