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

CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH A 70 FT. MAST ARM, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON, ELECTRICAL UTILITY SERVICE EQUIPMENT (120/240V, 60 AMPS), SIGNS, CLEVIS AND 1 IN. GALVANIZED RISER FOR TELEPHONE SERVICE, VIDEO DETECTION CAMERAS MOUNTED ON MAST ARM AND R10-4(1) SIGN TO READ: "PUSH BUTTON TO CROSS YORK ROAD". (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
B. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET, CONTROLLER AND CENTRAL CONTROL UNIT. EXISTING SIDEWALK WILL BE USED AS CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE). INSTALL 12-PAIR COMMUNICATION CABLE.
C. INSTALL HANDHOLE.
D. INSTALL SIDEWALK RAMP WITH DETECTABLE WARNING SURFACES (STANDARD NO. MD 655.12).
E. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
F. REMOVE EXISTING SIDEWALK. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) AND REPLACE 4 IN. CONCRETE SIDEWALK.
G. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
H. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
J. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
K. PROPOSED OVERHEAD ELECTRICAL AND TELEPHONE SERVICE.
L. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
M. USE EXISTING HANDHOLE.
N. USE EXISTING CONDUIT.
O. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.
P. ABANDON EXISTING LOOP DETECTOR.
Q. USE EXISTING HANDHOLE. CUT THE EXISTING INTERCONNECT CABLE HEADING SOUTH, PULL BACK AND RE-FEED IN CONDUIT TO NEW BASE MOUNTED CABINET AT SISTER PIERRE DRIVE. CONTRACTOR SHALL CUT THE EXISTING INTERCONNECT CABLE TO ALLOW FOR SUFFICIENT LENGTH OF CABLE TO BE RE-FED TO NEW CABINET TO MAINTAIN COMMUNICATION CONNECTION TO THE NORTH. REMOVE AND DISPOSE OF ALL UNUSED INTERCONNECT CABLE.
R. USE EXISTING STEEL POLE AND POLE MOUNTED CABINET AND CONTROLLER.
S. INSTALL W3-3 "SIGNAL AHEAD" SIGN (36 IN. x 36 IN.) WITH "NEW" PANEL AND FLAGS ON ONE 4 IN. x 6 IN. TREATED WOOD POST APPROXIMATELY 175 FT. IN ADVANCE OF THE INTERSECTION ON NORTHBOUND AND SOUTHBOUND MD 45.

PROPOSED SIGNS

11 — St. Joseph Hosp. ←
16 — St. Joseph Hosp. →
D-3(1) (DUAL FACED) WHITE ON BLUE (VARIABLE x 16")

13 — Sister Pierre DR ←
15 — Sister Pierre DR →
D-3(1) (DUAL FACED) WHITE ON BLUE (VARIABLE x 16")

12 — LEFT TURN YIELD ON GREEN
R10-12 (36" x 42")

10,14 — NEW
W3-3 (36" x 36") W/"NEW" PANEL (24" x 24") AND FLAGS

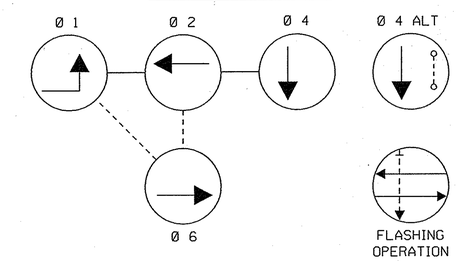
PROPOSED VIDEO DETECTION CAMERA

a,b — V

PROPOSED SIGNAL HEADS

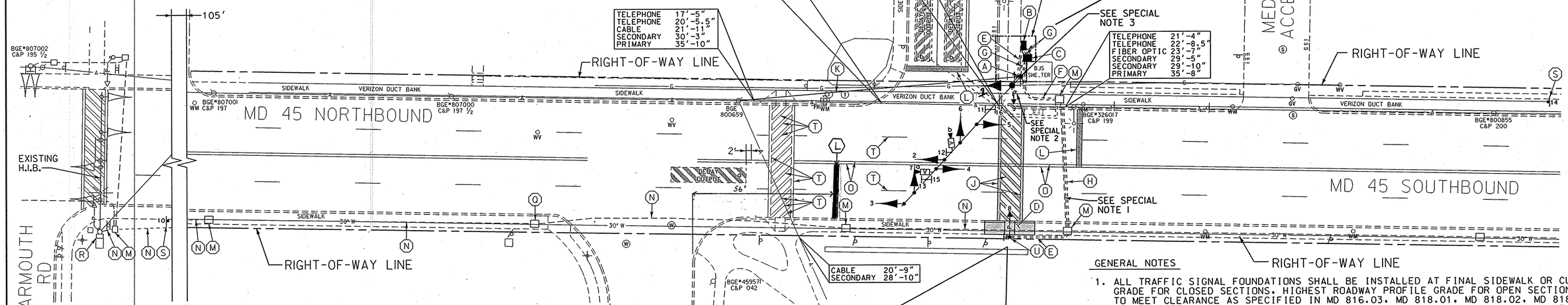
1 — R, Y, G, Y, G — 8"/12" LED
2 — R, Y, G — 12" LED
3-7 — R, Y, G — 12" LED
8,9 — 16"

NEMA PHASING



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

VIDEO DETECTION ZONE



CONSTRUCTION DETAILS CONT.

T. REMOVE EXISTING PAVEMENT MARKINGS.
U. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL AND AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON AND R10-4(1) SIGN TO READ: "PUSH BUTTON TO CROSS YORK ROAD".. (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).

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. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
4. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
5. REFER TO SHEET 2 FOR DIMENSIONS OF SIGNAL EQUIPMENT AND PAVEMENT MARKINGS WITHIN INTERSECTION.

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 EXISTING OVERHEAD TELEPHONE LINE IN CONFLICT WITH MAST ARM IS BEING RAISED BY OTHERS TO MEET NESC CLEARANCE REQUIREMENTS.
3. INSTALL 3'-0" FT. DIAMETER x 15'-0" DEEP FOUNDATION FOR SIGNAL POLE BASE IN LIEU OF 4'-0" FT. DIAMETER x 10'-0" DEEP FOUNDATION.

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
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REVISIONS	APPROVALS
	TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION 11/29/05
	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION 11/29/05
	DIRECTOR, TRAFFIC & SAFETY 12/2

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 45 (YORK RD) @ SISTER PIERRE DR.

DRAWN BY: S. BLOSS	F.A.P. NO.		TS NO. 4304	SHEET NO.
CHECKED BY: N. LEARY	S.H.A. NO.	AT7175185		
SCALE: 1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. F746	1 OF 2
DATE: 11/28/2005	LOG MILE:	0304500I.13		

TOD No: AT717-18
SHA No: BA523A57/B57
Baltimore County

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