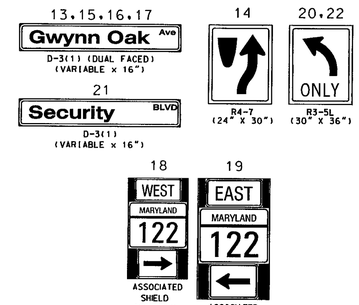
MD 122 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

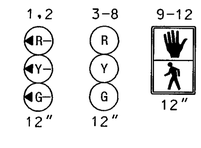
GENERAL NOTES

1. 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.
2. THE CONTRACTOR SHALL NOT CUT MAST ARM AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.
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. INSTALL CONDUIT AND LOOP DETECTORS PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.

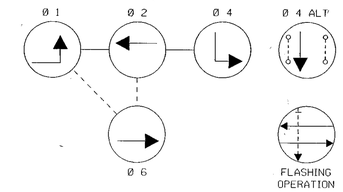
PROPOSED SIGNS



PROPOSED SIGNAL HEADS

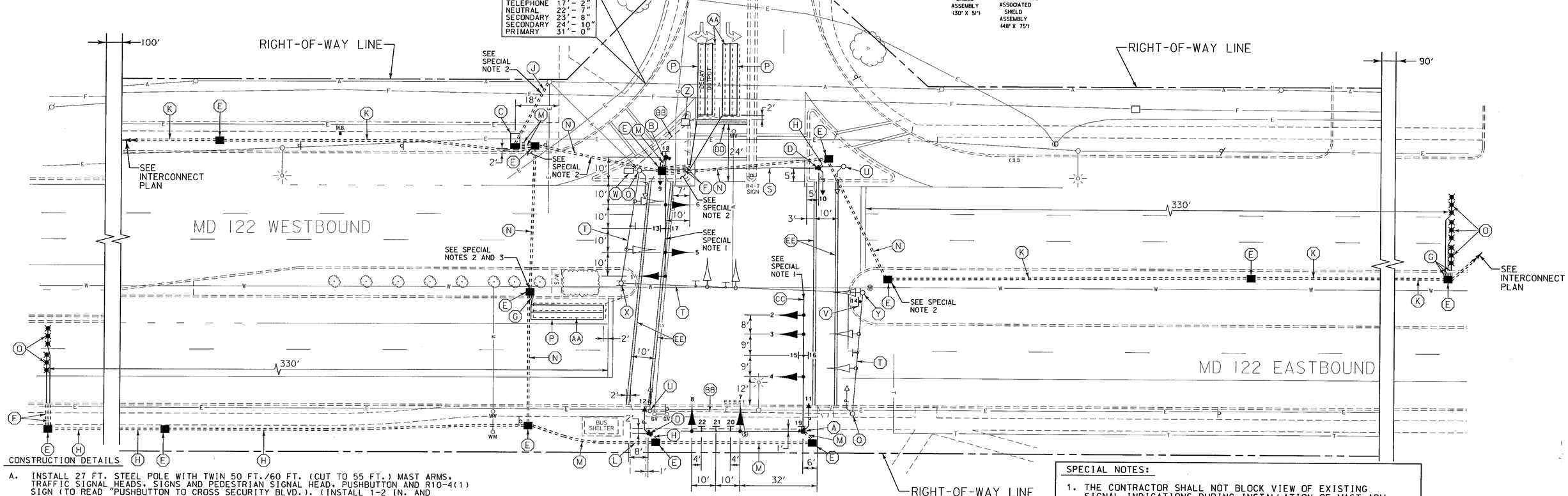


NEMA PHASING



PHASING NOTES:

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



CONSTRUCTION DETAILS

A. INSTALL 27 FT. STEEL POLE WITH TWIN 50 FT./60 FT. (CUT TO 55 FT.) MAST ARMS, TRAFFIC SIGNAL HEADS, SIGNS AND PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSHBUTTON TO CROSS SECURITY BLVD.). (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 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS AND PEDESTRIAN SIGNAL HEAD, PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSHBUTTON TO CROSS SECURITY BLVD.). (INSTALL 1- 2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
C. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD AND CONTROL AND DISTRIBUTION EQUIPMENT. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
D. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH PEDESTRIAN SIGNAL AND PUSHBUTTON AND R10-4(1) SIGN (TO READ "PUSH BUTTON TO CROSS SECURITY BLVD."). (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
E. INSTALL HANDHOLE.
F. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
G. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
H. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
J. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY BGE FORCES.
K. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
L. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT TUNNELED UNDER SIDEWALK.
M. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
N. INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
O. INSTALL MICROLOOP PROBE SET WITH 1000 FT. LEAD-IN.
P. INSTALL 6 FT. x 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
Q. REMOVE EXISTING STRAIN POLE AND PEDESTRIAN SIGNAL HEAD. REMOVE FOUNDATION 12 IN. BELOW GRADE.
S. REMOVE EXISTING SPAN WIRE.
T. REMOVE EXISTING SPAN WIRE, TETHER WIRE, SIGNAL HEADS AND SIGN(S).
U. REMOVE EXISTING PEDESTAL POLE AND PEDESTRIAN SIGNAL HEAD. REMOVE FOUNDATION 12 IN. BELOW GRADE.

CONSTRUCTION DETAILS CONT.

V. INSTALL R4-7 (24 IN.x 30 IN.) SIGN ON ONE 4 IN. x 4 IN. TREATED WOOD POST.
W. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER AND BOLLARDS. REMOVE FOUNDATION 12 IN. BELOW GRADE. SHA SIGNAL SHOP SHALL BE NOTIFIED TO REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE CABINET. INSTALL 4 IN. CONCRETE SIDEWALK TO REPAIR CONCRETE ISLAND.
X. REMOVE EXISTING STRAIN POLE AND SIGNS. REMOVE FOUNDATION 12 IN. BELOW GRADE.
Y. REMOVE EXISTING STRAIN POLE, SIGN, AND SIGNAL HEAD. REMOVE FOUNDATION 12 IN. BELOW GRADE.
Z. REMOVE EXISTING HANDHOLE.
AA. ABANDON EXISTING LOOP DETECTOR.
BB. CAP AND ABANDON EXISTING CONDUIT.
CC. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
DD. REMOVE EXISTING AND INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
EE. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).

SPECIAL NOTES:

1. THE CONTRACTOR SHALL NOT BLOCK VIEW OF EXISTING SIGNAL INDICATIONS DURING INSTALLATION OF MAST ARM. IF NEW MAST ARM CANNOT BE INSTALLED DUE TO CONFLICT WITH EXISTING SIGNAL INDICATIONS OR SPAN WIRES, A SIGNAL OUTAGE SHALL OCCUR DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
2. 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.
3. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING LANDSCAPING.

TSP-5

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

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

REVISIONS			
A	RECONSTRUCTION OF SIGNAL XX1085185	7/01/03	
SRB	NML		

APPROVALS — ORIGINAL ON FILE
TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION
ASST. TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 122 (SECURITY BLVD.) AND GWYNN OAK AVE.

DRAWN BY:		F.A.P. NO.		TS NO. 4264A	SHEET NO.
CHECKED BY:		S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	BALTIMORE	T.I.M.S. NO. E449	OF
DATE:	DATE	LOG MILE:	0301.8201.38		

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