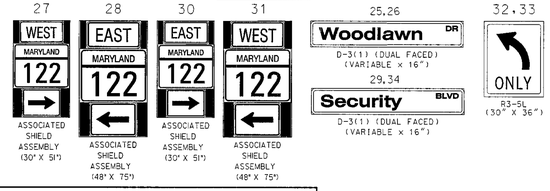
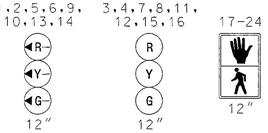
EXISTING SIGNS TO REMAIN

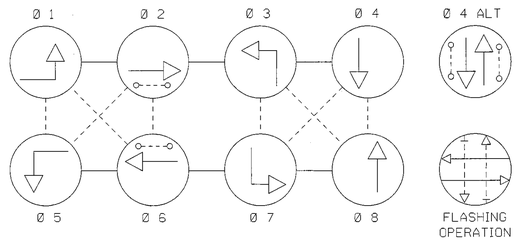


MD 122 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNAL HEADS TO REMAIN



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.

⚠ SPECIAL NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH BGE REPRESENTATIVE WHEN UPGRADING CONTROL AND DISTRIBUTION EQUIPMENT. A SIGNAL OUTAGE SHALL BE SCHEDULED 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.
4. THE CONTRACTOR SHALL SCHEDULE A SIGNAL OUTAGE DURING NON PEAK HOURS AS DIRECTED BY THE ENGINEER TO DISCONNECT AND RE-FEED EXISTING SIGNAL CABLES FROM EXISTING BASE MOUTNED CABINET TO PROPOSED BASE MOUNTED CABINET.

CONSTRUCTION DETAILS

A. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80. 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
B. USE EXISTING CONDUIT.
C. USE EXISTING HANDHOLE.
D. USE EXISTING STRAIN POLE AND SPARE 2 IN. CONDUIT BEND.
E. USE EXISTING SPAN WIRE.
F. INSTALL HANDHOLE.
G. INSTALL MICROLOOP PROBE SET WITH 1.000 FT. LEAD-IN, WITHIN 3 IN. CONDUIT.
H. INSTALL 6 FT. x 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
J. INSTALL 6 FT. x 6 FT. (4-TURNS) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
K. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
L. INSTALL 3 IN. SCHEDULE 80. POLYVINYL CHLORIDE ELECTRICAL CONDUIT TUNNELED UNDER SIDEWALK.
M. INSTALL 3 IN. SCHEDULE 80. POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
N. INSTALL 4 IN. SCHEDULE 80. POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
O. REMOVE EXISTING AND INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
P. REMOVE EXISTING SIDEWALK. INSTALL CONDUIT AND HANDHOLE AND REPLACE 4 IN. CONCRETE SIDEWALK.
Q. REMOVE EXISTING HANDHOLE.
R. CAP AND ABANDON EXISTING CONDUIT.
S. ABANDON EXISTING LOOP DETECTOR.
T. REMOVE EXISTING AND INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
U. REMOVE EXISTING STRAIN POLE AND CONTROL AND DISTRIBUTION EQUIPMENT. DISCONNECT OVERHEAD ELECTRICAL SERVICE. REMOVE EXISTING FOUNDATION 12 IN. BELOW GRADE.
V. INSTALL 2 IN. SCHEDULE 80. POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED). TIE CONDUIT INTO SPARE 2 IN. CONDUIT BEND.
W. USE EXISTING STRAIN POLE. INSTALL 2 IN. POLYVINYL CHLORIDE ELECTRICAL CONDUIT BEND IN POLE BASE AND 3 IN. WEATHERHEAD ON STRAIN POLE. DISCONNECT AND PULL BACK SIGNAL CABLES FROM EXISTING BASE MOUNTED CABINET AND RE-FEED THROUGH STRAIN POLE AND CONDUIT TO PROPOSED BASE MOUNTED CABINET.
X. INSTALL METERED SERVICE PEDESTAL WITH 1-2 IN. AND 1-3 IN. SCHEDULE 80. 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE.
Y. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. REMOVE EXISTING FOUNDATION 12. BELOW GRADE.
Z. USE EXISTING WOOD UTILITY POLE AND INSTALL 2 IN. ELECTRICAL POLYVINYL CHLORIDE RISER FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
AA. REMOVE EXISTING SPAN WIRE.
BB. USE EXISTING HANDHOLE. DISCONNECT AND PULL BACK SIGNAL CABLES FROM EXISTING BASE MOUNTED CABINET AND RE-FEED IN NEW CONDUIT TO PROPOSED BASE MOUNTED CABINET.
CC. REMOVE EXISTING SIDEWALK. INSTALL 2 IN. SCHEDULE 80. POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) AND REPLACE 4 IN. CONCRETE SIDEWALK.
DD. INSTALL 3 IN. SCHEDULE 80. POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
EE. INSTALL 4 IN. SCHEDULE 80. POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
FF. INSTALL 2 IN. SCHEDULE 80. POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE.
GG. INSTALL 3 IN. SCHEDULE 80. POLYVINYL CHLORIDE ELECTRICAL CONDUIT TUNNELED UNDER SIDEWALK FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CAP AND MARK CONDUIT 2 FT. ABOVE GRADE AT UTILITY POLE FOR USE BY BGE FORCES.

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. INSTALL CONDUIT AND LOOP DETECTORS PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
4. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.

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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Baltimore, Maryland 21231
(410) 235-3450

REVISIONS	APPROVALS
⚠ REVISION NO. 1 INSTALL NEW BASE MOUTNED CABINET XX1085185 3/11/04 SRB NML	TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION
C ADDED PROBES AND LOOPS ON MD 122 AND WOODLAWN RD - XX1085185 7/01/03 SRB NML	ASST. TRAFFIC ENGINEERING DESIGN DIVISION
B ASBUILT AND REPLACE EXISTING SIGNAL HEADS - XX1005485 5/17/01 EMM	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
A ADD DUAL N/B LEFTS AND PED SIGNALS 2/24/88	DIRECTOR, TRAFFIC & SAFETY

ORIGINATION FILE

TSP-3

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN

MD 122 (SECURITY BLVD.) AND WOODLAWN DRIVE

DRAWN BY:		F.A.P. NO.	
CHECKED BY:		S.H.A. NO.	TS NO. TS-4089C
SCALE:	1" = 20'	COUNTY: BALTIMORE	T.I.M.S. NO. E449
DATE:	3/11/2004	LOG MILE: 0301220L09	SHEET NO. OF

M:\3142520\tsp03md122.dgn