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

PROPOSED SIGNS

22 — EAST / MARYLAND 122 — ASSOCIATED SHIELD ASSEMBLY (30" X 51")

23 — WEST / MARYLAND 122 — ASSOCIATED SHIELD ASSEMBLY (48" X 75")

26 — WEST / MARYLAND 122 — ASSOCIATED SHIELD ASSEMBLY (30" X 51")

27 — EAST / MARYLAND 122 — ASSOCIATED SHIELD ASSEMBLY (48" X 75")

21,24,25,28 — Security BLVD — D-3(1) (DUAL FACED) (VARIABLE x 16")

EXISTING SIGNS TO REMAIN

16,19 — LEFT TURN YIELD ON FLASHING RED ARROW AFTER STOP — R10-12(4) (36" x 42")

15,20 — Whitehead Rd — D-3(1) (DUAL FACED) (VARIABLE x 16")

17,18 — Whitehead Ct — D-3(1) (DUAL FACED) (VARIABLE x 16")

EXISTING SIGNAL HEADS TO BE REMOVED

9A,10A,11A — R, Y, G — 12"

12A — R, Y, Y, G, G — 12"

EXISTING SIGNAL HEADS TO REMAIN

1,2,5,6 — R, Y, G — 12"

3,4,7,8 — R, Y, G — 12"

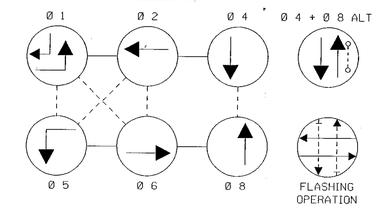
13,14 — 12"

PROPOSED SIGNAL HEADS

9,10,11 — R, Y, G — 12"

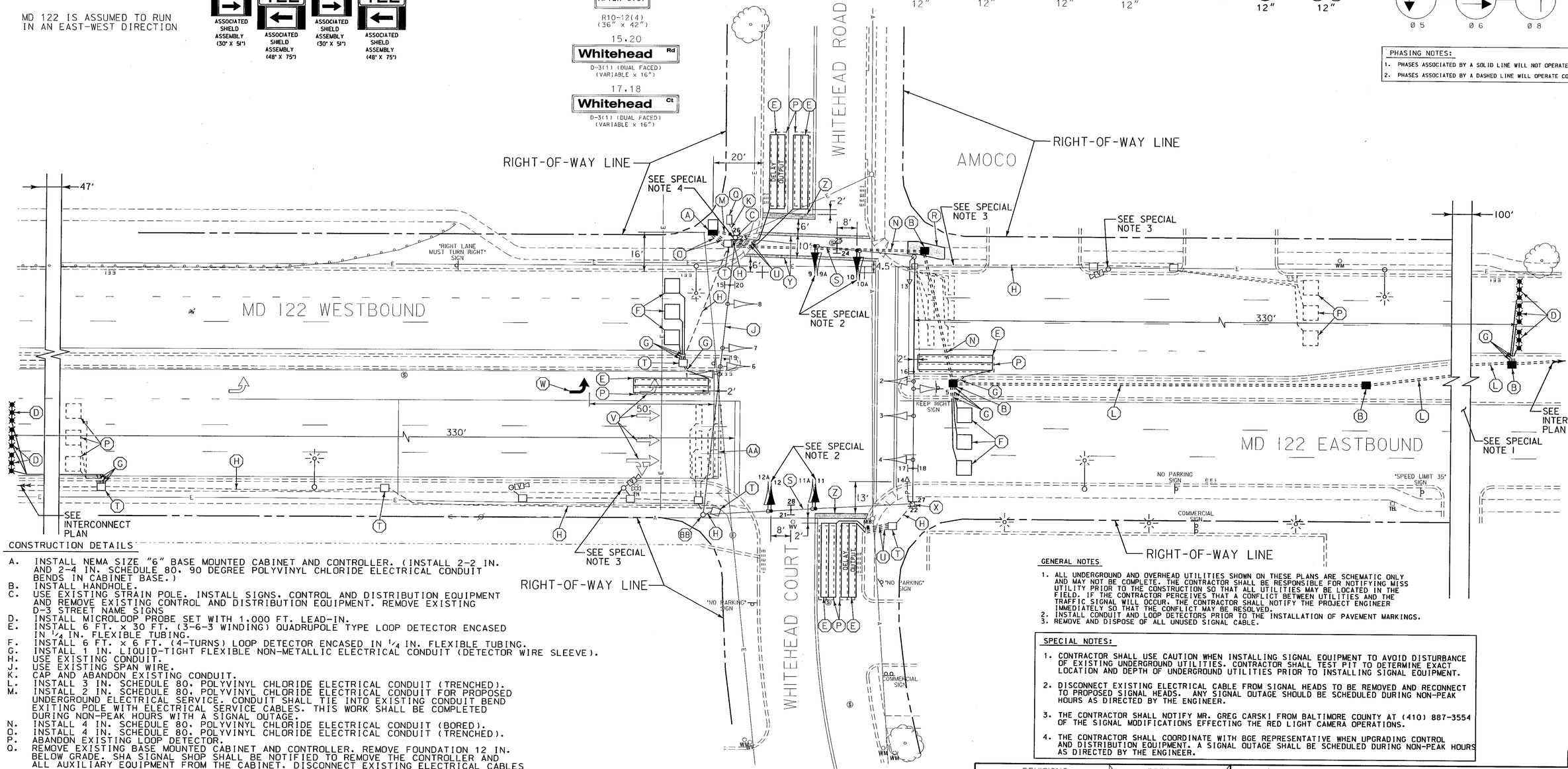
12 — R, Y, Y, G, G — 12"

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 NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80. 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
B. INSTALL HANDHOLE.
C. USE EXISTING STRAIN POLE. INSTALL SIGNS, CONTROL AND DISTRIBUTION EQUIPMENT AND REMOVE EXISTING CONTROL AND DISTRIBUTION EQUIPMENT. REMOVE EXISTING D-3 STREET NAME SIGNS
D. INSTALL MICROLOOP PROBE SET WITH 1,000 FT. LEAD-IN.
E. INSTALL 6 FT. x 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
F. INSTALL 6 FT. x 6 FT. (4-TURNS) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
G. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
H. USE EXISTING CONDUIT.
J. USE EXISTING SPAN WIRE.
K. CAP AND ABANDON EXISTING CONDUIT.
L. INSTALL 3 IN. SCHEDULE 80. POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
M. INSTALL 2 IN. SCHEDULE 80. POLYVINYL CHLORIDE ELECTRICAL CONDUIT FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. CONDUIT SHALL TIE INTO EXISTING CONDUIT BEND EXITING POLE WITH ELECTRICAL SERVICE CABLES. THIS WORK SHALL BE COMPLETED DURING NON-PEAK HOURS WITH A SIGNAL OUTAGE.
N. INSTALL 4 IN. SCHEDULE 80. POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
O. INSTALL 4 IN. SCHEDULE 80. POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
P. ABANDON EXISTING LOOP DETECTOR.
Q. REMOVE EXISTING BASE MOUNTED CABINET AND CONTROLLER. REMOVE FOUNDATION 12 IN. BELOW GRADE. SHA SIGNAL SHOP SHALL BE NOTIFIED TO REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CABINET. DISCONNECT EXISTING ELECTRICAL CABLES FOR SIGNAL HEADS, POWER CABLE TO RED LIGHT CAMERA AND INTERCONNECT CABLE AND RE-FEED TO NEW CONTROL CABINET. THIS WORK SHALL BE COMPLETED DURING NON-PEAK HOURS WITH A SIGNAL OUTAGE. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
R. REMOVE EXISTING SIDEWALK. INSTALL HANDHOLE AND REPLACE 4 IN. CONCRETE SIDEWALK.
S. USE EXISTING SPAN WIRE. INSTALL SIGNAL HEADS AND SIGNS AS SHOWN.
T. USE EXISTING HANDHOLE.
U. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
V. REMOVE EXISTING PAVEMENT MARKING (ARROW.)
W. INSTALL WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (ARROW).
X. USE EXISTING STRAIN POLE AND INSTALL SIGNS AS SHOWN.
Y. REMOVE EXISTING AND INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
Z. REMOVE EXISTING AND INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
AA. REMOVE EXISTING FADED STOP LINE IN THRU LANES.
BB. USE EXISTING STRAIN POLE.

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. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.

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. DISCONNECT EXISTING ELECTRICAL CABLE FROM SIGNAL HEADS TO BE REMOVED AND RECONNECT TO PROPOSED SIGNAL HEADS. ANY SIGNAL OUTAGE SHOULD BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL NOTIFY MR. GREG CARSKI FROM BALTIMORE COUNTY AT (410) 887-3554 OF THE SIGNAL MODIFICATIONS EFFECTING THE RED LIGHT CAMERA OPERATIONS.
4. 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.

TSP-1

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
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

REVISIONS		
C	ADD SAMPLING DETECTION, NEW CONDUIT SYSTEM AND CABINET XX1085185	7/01/03
B	MODIFY E/W EXCLUSIVE/PERMISSIVE LT TO EXCLUSIVE MOVEMENT	2/26/02
A	ADD W/B LT PHASE AND PED SIGNAL	12/16/86

SRB NML — BAM NML — SEW

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 WHITEHEAD ROAD/ COURT

DRAWN BY: W. SMITH	F.A.P. NO.	TS NO. 3889 C	SHEET NO.
CHECKED BY: G.F.	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: BALTIMORE	T.I.M.S. NO. E449	OF
DATE:	LOG MILE: 030/28.00-79		

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