PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL TO ADD A VIDEO DETECTOR CAMERA AT THE INTERSECTION OF MD 122 (SECURITY BLVD.) AND KERNAN DRIVE IN BALTIMORE COUNTY. MD 122 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 122 APPROACHES OPERATING CONCURRENTLY AND THE KERNAN DRIVE AND COLONIAL ROAD APPROACHES OPERATING CONCURRENTLY.

CONTROLLER REQUIREMENTS

THE EXISTING POLE-MOUNTED CABINET AND CONTROLLER WILL BE USED. INSTALL VIDEO INTERFACE EQUIPMENT.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-30

STANDARD NO. MD-104.00 - 104.44-01 (LEFT LANE CLOSURE)

STANDARD NO. MD-104.45-01 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.81-02 (MOBIL SERVICE)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2780

MR. DAVE RAMSEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

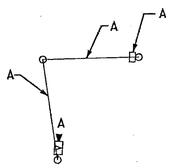
MS. SUENETTE POPE
DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

WIRING DIAGRAM

WIRING KEY

A } VIDEO CAMERA DETECTION LEAD-IN CABLE



EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
1000	LUMP SUM	MAINTENANCE OF TRAFFIC
9000	1 EA.	250 FT. VIDEO CABLE TO CONTROLLER
9000	1 EA.	VIDEO DETECTION CAMERA
9086	1 EA.	VIDEO DETECTION INTERFACE EQUIPMENT

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

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

EXISTING SIGNALS HEADS

EXISTING SIGNS

PROPOSED VIDEO DETECTION CAMERA

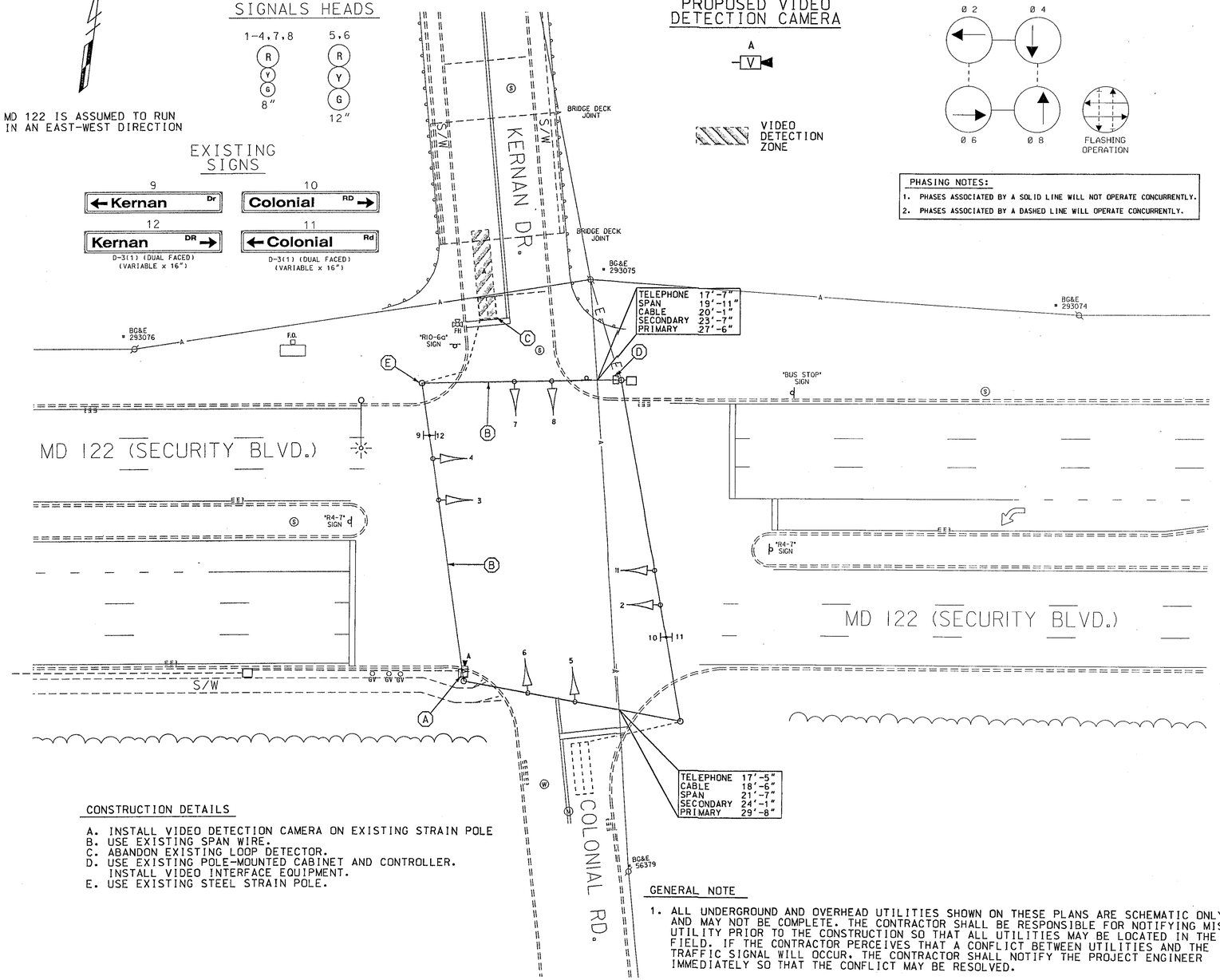
A

VIDEO DETECTION ZONE

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 VIDEO DETECTION CAMERA ON EXISTING STRAIN POLE
B. USE EXISTING SPAN WIRE.
C. ABANDON EXISTING LOOP DETECTOR.
D. USE EXISTING POLE-MOUNTED CABINET AND CONTROLLER. INSTALL VIDEO INTERFACE EQUIPMENT.
E. USE EXISTING STEEL STRAIN POLE.

GENERAL NOTE

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.

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

REVISIONS

A INSTALL VIDEO DETECTION CAMERA 11/12/02
NML BPW

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 KERNAN DRIVE

DRAWN BY:	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY:	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: BALTIMORE	T.I.M.S. NO. F544	1 OF 1
DATE:	LOG MILE:		

M:\20008\md122&kernan\f544gp01.dgn