MD 28 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNALS TO REMAIN

1,2,3,4,5,6,7,8,9

R Y G

12"

EXISTING SIGNS TO REMAIN

20,22 21,23

24,30,37 29,36 35

ONLY ONLY LEFT TURN YIELD ON GREEN

EXISTING LED SIGNALS

10,11,12,13,14,15

16" LED COUNTDOWN PEDESTRIAN SIGNAL

EXISTING SIGNS

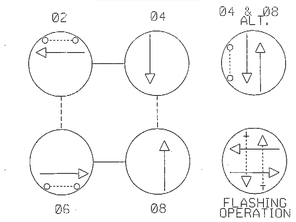
16,27,28, 33,34 — S1-1 FYG (30"x30") W16-7pR FYG (24"x12")

17,26,31, 32,38,39 — S1-1 FYG (30"x30") W16-7pL FYG (24"x12")

EXISTING ACCESSIBLE PUSHBUTTON AND SIGN

40	41	42	43	44	45
PUSH BUTTON TO CROSS DARNESTOWN ROAD	PUSH BUTTON TO CROSS DARNESTOWN ROAD	PUSH BUTTON TO CROSS SHOPPING CENTER ENTRANCE	PUSH BUTTON TO CROSS SHOPPING CENTER ENTRANCE	PUSH BUTTON TO CROSS HIGH SCHOOL ENTRANCE	PUSH BUTTON TO CROSS HIGH SCHOOL ENTRANCE
DARNESTOWN ROAD IN BRAILLE TYPE 2	DARNESTOWN ROAD IN BRAILLE TYPE 2	SHOPPING CENTER ENTRANCE IN BRAILLE TYPE 2	SHOPPING CENTER ENTRANCE IN BRAILLE TYPE 2	HIGH SCHOOL ENTRANCE IN BRAILLE TYPE 2	HIGH SCHOOL ENTRANCE IN BRAILLE TYPE 2
R10-3(1) (9"x15")	R10-3(1) (9"x15")	R10-3(1) (9"x15")	R10-3(1) (9"x15")	R10-3(1) (9"x15")	R10-3(1) (9"x15")

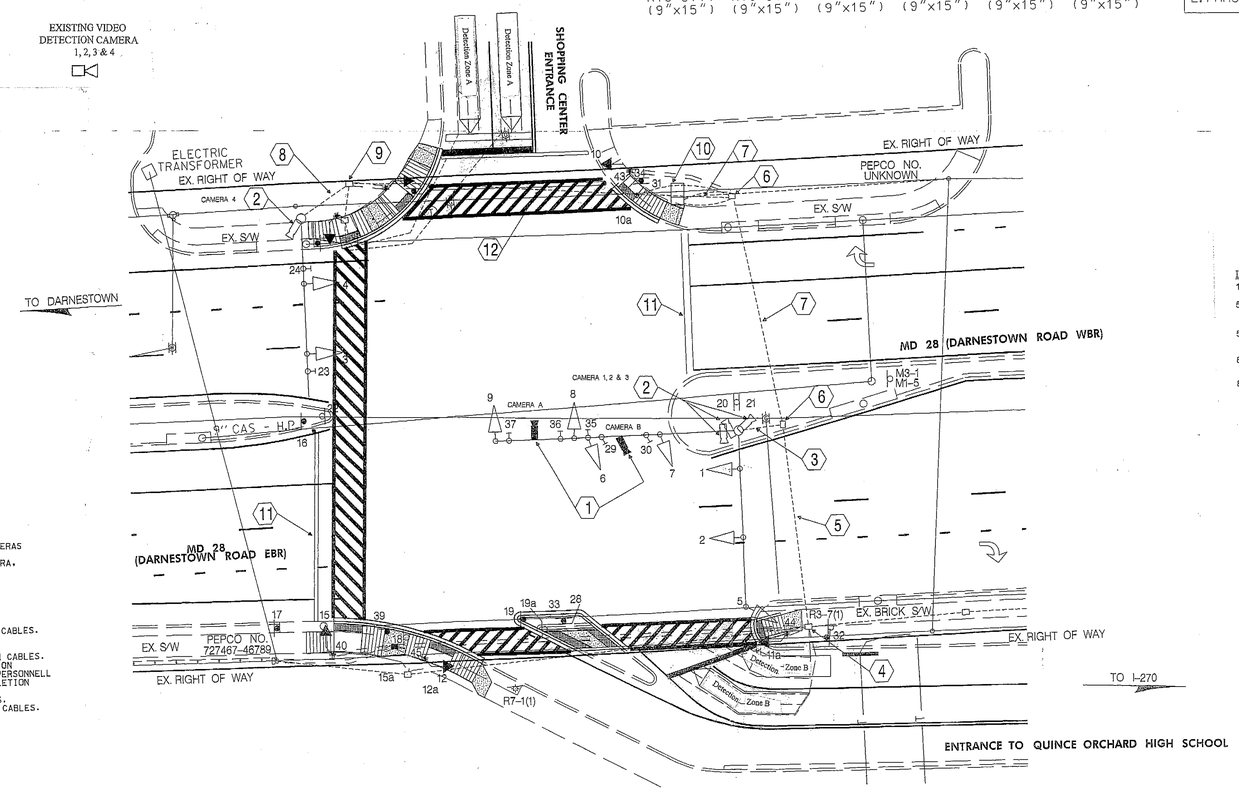
NEMA PHASING



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

PROPOSED VIDEO DETECTION CAMERAS A & B

EXISTING VIDEO DETECTION CAMERA 1, 2, 3 & 4



Equipment List 'A'

Equipment to be supplied and installed By the SHA

Easylock Connector
Terra Interface Panel
Terra Access Point
Tip to Tap I/F Cable-BIU
Tip to Tap I/F Cable-Hardwire
Terra/Field Ethernet Adapter

Equipment List 'B'

Equipment to be furnished and installed by the Contractor.

ITEM	QUANTITY		DESCRIPTION
1002	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
5001	95	LF	FURNISH AND INSTALL 24 INCH WHITE PREFORMED THERMOPLASTICPAVEMENT MARKING LINES
5002	95	LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH
8007	1	EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT
8008	2	EA	VIDEO DETECTION CAMERA & CABLE

Equipment List 'C'

Removed and Salvaged Items

NONE

CONSTRUCTION DETAILS

1. USE EXISTING MAST ARM AND UPRIGHT. INSTALL PROPOSED VIDEO DETECTION CAMERAS AND VIDEO DETECTION LEAD-IN CABLES.
2. USE EXISTING MAST ARM AND UPRIGHT. REMOVE EXISTING VIDEO DETECTION CAMERA. CABLES AND EXTENSION ARM.
3. USE EXISTING CONDUIT. REMOVE EXISTING VIDEO DETECTION LEAD-IN CABLES AND INSTALL PROPOSED VIDEO DETECTION LEAD-IN CABLES.
4. USE EXISTING HANDHOLE. REMOVE EXISTING LOOP DETECTION LEAD-IN CABLES.
5. USE EXISTING CONDUIT. REMOVE EXISTING LOOP DETECTION LEAD-IN CABLES.
6. USE EXISTING HANDHOLE. REMOVE EXISTING VIDEO AND LOOP DETECTION LEAD-IN CABLES. INSTALL PROPOSED VIDEO DETECTION LEAD-IN CABLES.
7. USE EXISTING CONDUIT. REMOVE EXISTING VIDEO AND LOOP DETECTION LEAD-IN CABLES. INSTALL PROPOSED VIDEO DETECTION LEAD-IN CABLES.
8. USE EXISTING CONDUIT. REMOVE EXISTING VIDEO DETECTION LEAD-IN CABLES.
9. USE EXISTING HANDHOLE. REMOVE EXISTING VIDEO AND LOOP DETECTION LEAD-IN CABLES.
10. USE EXISTING CONTROLLER CABINET. REMOVE EXISTING VIDEO AND LOOP DETECTION LEAD-IN CABLES. INSTALL PROPOSED VIDEO DETECTION LEAD-IN CABLES. TOD PERSONNELL WILL INSTALL AND PROGRAM VIDEO DETECTION INTERFACE EQUIPMENT UPON COMPLETION OF PROPOSED DETECTION WORK.
11. REMOVE EXISTING STOP LINE AND RE-INSTALL IN ACCORDANCE TO SHA STANDARDS.
12. USE EXISTING CONDUIT. REMOVE EXISTING VIDEO AND LOOP DETECTION LEAD-IN CABLES.

STV
STV Incorporated
7125 Ambassador Road, Suite 200
Baltimore, MD 21244
www.stvinc.com

BY: lmaddox

UTILITY LEGEND

E	E	ELECTRIC CABLES	SD	SD	STORM DRAIN
A	A	AERIAL CABLES	G	G	GAS MAIN
T	T	TELEPHONE CABLES	W	W	WATER MAIN
F	F	FIBER-OPTIC	S	S	SEWER MAIN

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

C — INSTALLATION OF VIDEO DETECTION XX856 09/3 M084

B — INSTALL APS, CPS AND ADA RAMPS
SHA NO. XX55555155 TIMS #: K542 09/2011
STV XXT

A5 — REDLINE NO. 5 REPLACEMENT SHEET 10/2001
M.P.

A3 — REDLINE NO. 3 REPLACEMENT SHEET 07/2001
M.P.

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 28 (DARNESTOWN ROAD) AT

QUINCE ORCHARD HIGH SCHOOL/SHOPPING CENTER ENTRANCE

GAITHERSBURG, MD

TRAFFIC SIGNALIZATION SHEET

SCALE 1" = 20' ADVERTISED DATE 7/19/1993 CONTRACT NO.

DESIGNED BY
DRAWN BY
CHECKED BY
F.A.P. NO.

COUNTY MONTGOMERY
LOGMILE 15002815.57
TIMS NO. M-084
TOD NO.

TS NO. 3351B | DRAWING SG-1 OF 6 | SHEET NO. 1 OF 1