

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF VIDEO DETECTION FOR PRESENCE DETECTION FOR NB PROSPECT HILL ROAD, EB MD 193 AND WB 193, SAMPLING DETECTION FOR WB MD 193, AND NON-INVASIVE MICROLOOP PROBE SETS FOR WB MD 193 AT THE INTERSECTION OF MD 193 (GLENN DALE BOULEVARD) AND PROSPECT HILL ROAD IN PRINCE GEORGE'S COUNTY. MD 193 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SIX-PHASE, FULLY-TRAFFIC-ACTIVATED MODE. MD 193 EXCLUSIVE LEFT TURNS AND SOUTHBOUND PROSPECT HILL ROAD CONCURRENT RIGHT TURN SHALL REMAIN.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET, CONTROLLER AND ASSOCIATED HARNESSES SHALL REMAIN. THE SHA SIGNAL SHOP WILL INSTALL ONE (1) VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS WITHIN THE CABINET.

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

Ms. Felecia Murphy
Assistant District Engineer - Traffic
Phone: 301-513-7404

Mr. Victor Grafton
District Utility Engineer
Phone: 301-513-7350

Mr. Vernon Stinnett
Assistant District Engineer - Maintenance
Phone: 301-513-7304

OFFICE OF TRAFFIC AND SAFETY:

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Robert Snyder
Assistant Division Chief, Traffic Operations
410-787-7630

Mr. Edward Rodenhizer
Chief Signal Operations
Phone: 410-787-7650

Mr. Eugene Bailey
Chief Sign Operations
410-787-7670

The Power Company Inc.
Baltimore Gas & Electric
7317 Parkway Drive South
Hanover, MD 21076
Phone: 410-859-9062

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
900000	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
203030	1 CY	TEST PIT EXCAVATION
585625	180 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
800000	4 EA	VIDEO DETECTION CAMERA AND CABLE
805011	55 LF	1 INCH ELECTRICAL CONDUIT - GALVANIZED SLEEVE
805115	65 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
810605	2 EA	NON-INVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
811001	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
811002	1 EA	REMOVE ELECTRICAL HANDHOLE
861104	650 LF	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
862101	300 LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
862102	85 LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)

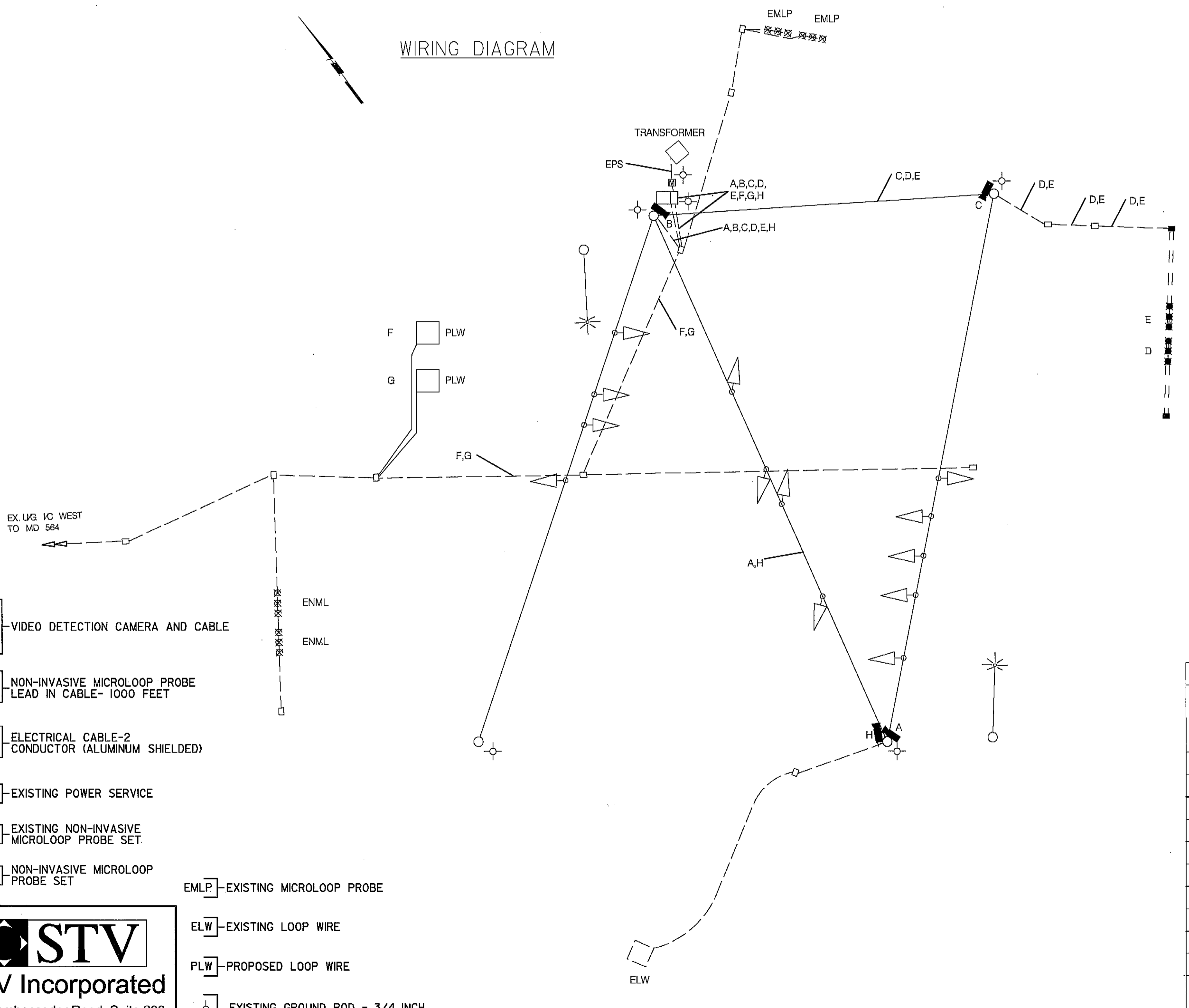
EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO QUANTITY DESCRIPTION

NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

WIRING DIAGRAM



PHASE CHART

PHASE CHART	1	2	3	4	5	6	7	8	9	10	11	12	13
PHASE 1 & 5	←G-	←G-	←G-	R	R	←G-	←G-	R	R	R	R	R	R
PHASE 1 & 5 CHANGE TO PHASE 1 & 6, PHASE 2 & 5 OR PHASE 2 & 6	←G-	←G-	←G-	G	G	←R-	←R-	R	R	R	R	R	R
PHASE 1 CHANGE	←Y-	←Y-	←Y-	G	G	←R-	←R-	R	R	R	R	R	R
PHASE 2 & 5	←R-	←R-	←R-	R	R	←G-	←G-	G	G	R	R	R	R
PHASE 5 CHANGE	←R-	←R-	←R-	R	R	←Y-	←Y-	G	G	R	R	R	R
PHASE 2 & 6	←R-	←R-	←R-	G	G	←R-	←R-	G	G	R	R	R	R
PHASE 2 & 6 CHANGE	←R-	←R-	←R-	Y	Y	←R-	←R-	Y	Y	R	R	R	R
PHASE 4 AND 8	←R-	←R-	←R-	R	R	←R-	←R-	R	R	G	G	G	G
PHASE 4 AND 8 CHANGE	←R-	←R-	←R-	R	R	←R-	←R-	R	R	Y	Y	Y	Y
FLASHING OPERATION	FL/RA	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 193 (GLENN DALE BOULEVARD)
AT PROSPECT HILL ROAD
GLENN DALE, MARYLAND

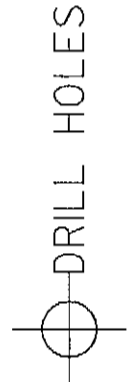
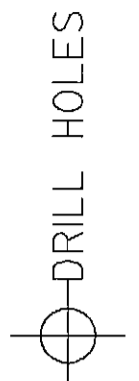
GENERAL INFORMATION SHEET

SCALE: 1" = 20' ADVERTISED DATE: 12/2011 CONTRACT NO.: PG8935177

DESIGNED BY: KXT COUNTY: PRINCE GEORGE'S
DRAWN BY: KXT LOGMILE: 16019311.04
CHECKED BY: MTS TMS NO.: L101
F.A.P. NO.: TOD NO.:

TS NO. 2311C DRAWING SG-04 OF 06 SHEET NO. 04 OF 06

BORDER REV. DATE: March 27, 2007



BY: \$USERNAMES

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FILE: SP1ES