DRILL HOLES

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BORDER REV: DATE: March 27, 2007

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF VIDEO DETECTION FOR PRESENCE DETECTION, NON-INVASIVE MICROLOOP PROBE SETS FOR WB MD 193, AND SAMPLING DETECTION FOR EB MD 193 AT THE INTERSECTION OF MD 193 (GREENBELT ROAD / GLENN DALE BOULEVARD) AND MD 564 (LANHAM SEVERN 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 EIGHT-PHASE, FULLY-TRAFFIC-ACTIVATED MODE. MD 193 AND MD 564 EXCLUSIVE LEFT TURNS 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 Is:
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 CAMEARS

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

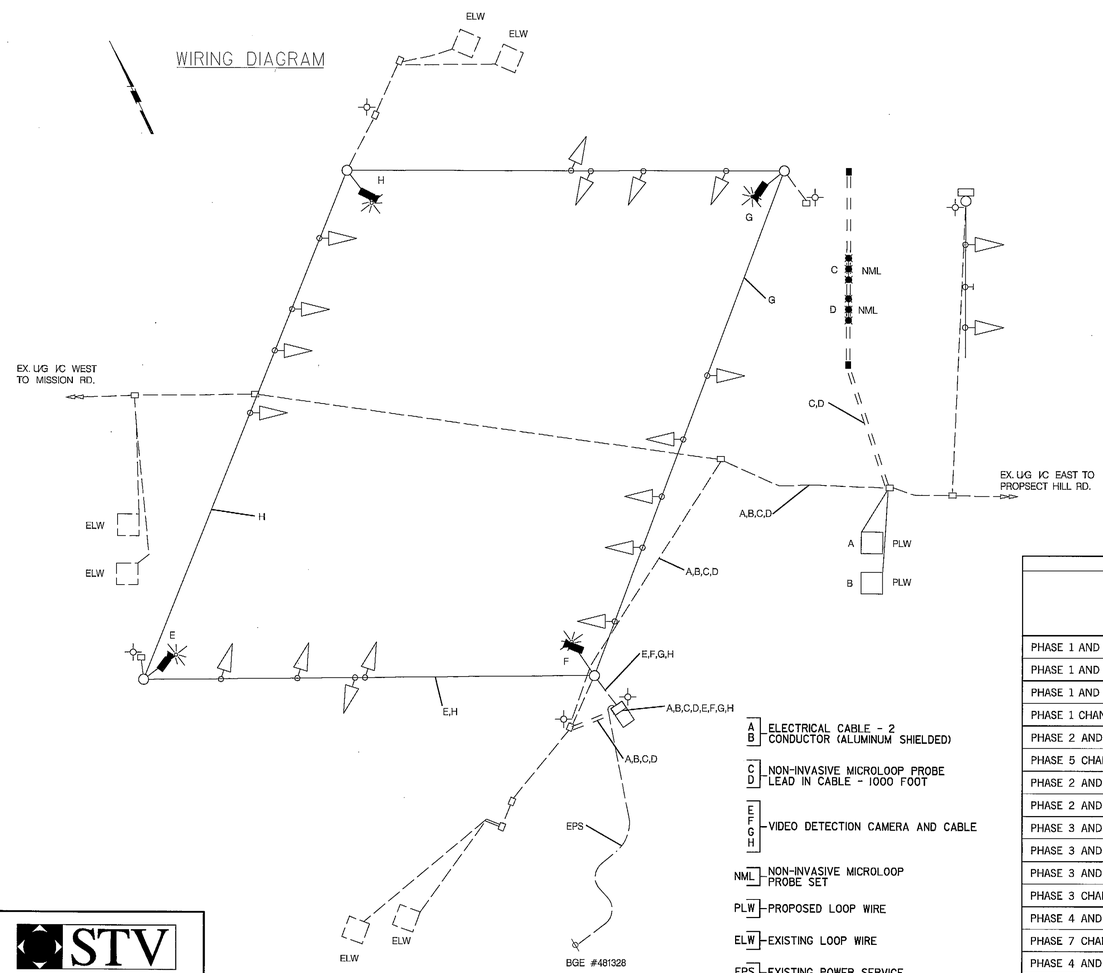
ITEM NO	QUANTITY	DESCRIPTION
203030	1 CY	TEST PIT EXCAVATION
585625	55 LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
800000	4 EA	VIDEO DETECTION CAMERA AND CABLE
805115	60 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
805125	20 LF	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805135	50 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
805160	15 LF	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
810605	2 EA	NON-INVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
811001	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
861104	1,015 LF	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
862101	250 LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
862102	100 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



A B — ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)

C D — NON-INVASIVE MICROLOOP PROBE LEAD IN CABLE - 1000 FOOT

E F G H — VIDEO DETECTION CAMERA AND CABLE

NML — NON-INVASIVE MICROLOOP PROBE SET

PLW — PROPOSED LOOP WIRE

ELW — EXISTING LOOP WIRE

EPS — EXISTING POWER SERVICE

EXISTING GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	←R→ ←Y→ ←G→	←R→ ←Y→ ←G→	R Y G	R Y G	Y	Y	←R→ ←Y→ ←G→	←R→ ←Y→ ←G→	←R→ ←Y→ ←G→	R Y G	R Y G	←R→ ←Y→ ←G→	←R→ ←Y→ ←G→	R Y G	R Y G	←R→ ←Y→ ←G→	←R→ ←Y→ ←G→	R Y G	R Y G
PHASE 1 AND 5	←G→	←G→	R	R	FL/Y	FL/Y	←G→	←G→	←G→	R	R	←R→	←R→	R	R	←R→	←R→	R	R
PHASE 1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																			
PHASE 1 AND 6	←G→	←G→	G	G	FL/Y	FL/Y	←R→	←R→	←R→	R	R	←R→	←R→	R	R	←R→	←R→	R	R
PHASE 1 CHANGE	←Y→	←Y→	G	G	FL/Y	FL/Y	←R→	←R→	←R→	R	R	←R→	←R→	R	R	←R→	←R→	R	R
PHASE 2 AND 5	←R→	←R→	R	R	FL/Y	FL/Y	←G→	←G→	←G→	G	G	←R→	←R→	R	R	←R→	←R→	R	R
PHASE 5 CHANGE	←R→	←R→	R	R	FL/Y	FL/Y	←Y→	←Y→	←Y→	G	G	←R→	←R→	R	R	←R→	←R→	R	R
PHASE 2 AND 6	←R→	←R→	G	G	FL/Y	FL/Y	←R→	←R→	←R→	G	G	←R→	←R→	R	R	←R→	←R→	R	R
PHASE 2 AND 6 CHANGE	←R→	←R→	Y	Y	FL/Y	FL/Y	←R→	←R→	←R→	Y	Y	←R→	←R→	R	R	←R→	←R→	R	R
PHASE 3 AND 7	←R→	←R→	R	R	FL/Y	FL/Y	←R→	←R→	←R→	R	R	←G→	←G→	R	R	←G→	←G→	R	R
PHASE 3 AND 7 CHANGE TO 3 AND 8, 4 AND 7, OR 4 AND 8																			
PHASE 3 AND 8	←R→	←R→	R	R	FL/Y	FL/Y	←R→	←R→	←R→	R	R	←G→	←G→	G	G	←R→	←R→	R	R
PHASE 3 CHANGE	←R→	←R→	R	R	FL/Y	FL/Y	←R→	←R→	←R→	R	R	←Y→	←Y→	G	G	←R→	←R→	R	R
PHASE 4 AND 7	←R→	←R→	R	R	FL/Y	FL/Y	←R→	←R→	←R→	R	R	←R→	←R→	R	R	←G→	←G→	G	G
PHASE 7 CHANGE	←R→	←R→	R	R	FL/Y	FL/Y	←R→	←R→	←R→	R	R	←R→	←R→	R	R	←Y→	←Y→	G	G
PHASE 4 AND 8	←R→	←R→	R	R	FL/Y	FL/Y	←R→	←R→	←R→	R	R	←R→	←R→	G	G	←R→	←R→	G	G
PHASE 4 AND 8 CHANGE	←R→	←R→	R	R	FL/Y	FL/Y	←R→	←R→	←R→	R	R	←R→	←R→	Y	Y	←R→	←R→	Y	Y
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	DARK	DARK	FL/RA	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/R	FL/R	FL/RA	FL/RA	FL/R	FL/R

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

BY: $USERNAME$

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 193 (GREENBELT ROAD /GLENN DALE BOULEVARD)

AT MD 564 (LANHAM SEVERN ROAD)

GLENN DALE, MARYLAND

GENERAL INFORMATION

SCALE NONE ADVERTISED DATE 12/2011 CONTRACT NO. PG8935177

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

COUNTY PRINCE GEORGE'S
LOGMILE 16019310.40
TIMS NO. L101
TOD NO.

TS NO. 705[illegible]GI | DRAWING SG-02 OF 06 | SHEET NO. 02 OF 06

PLOTTED: $DATETIME$
FILE: $FILE$