PROJECT DESCRIPTION

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THIS PROJECT INVOLVES REMOVING AND REPLACING THE NORTH-EAST HANDHOLE. MODIFICATIONS INCLUDE INSTALLING A HANDHOLE SOUTH-EAST OF THE EXISTING HANDHOLE AND INSTALLING NEW CONDUIT AND IMPACTED CABLE TO THE EXISTING POLE MOUNTED CABINET. MD 177 IS ASSUMED TO RUN IN THE EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE EXISTING PHASING AT THE INTERSECTION WILL REMAIN.

CONTROLLER REQUIREMENTS

N/A

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

NONE

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

AX3745133 ITEMS	CATEGORY CODE NO.	SPECIFICATION NUMBER	QUANTITY	DESCRIPTION
NEG	100000	100	8 HRS	POLICE CONTROL
5006	585412	549,556	115 LF	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5007	585625	549, 556	15 LF	24 INCH WHITE PERMANENT THERMOPLASTIC PAVEMENT MARKINGS
8005	800000	800	1 EA	REMOVE AND DISPOSE ASSIGNMENT
8022	800000	800	220 LF	DISCONNECT, PULL BACK AND RELOCATE CABLES
8007	802501	802	110 LF	NO.6 AWG STRANDED BARE COPPER GROUNDWIRE
NEG	805118	805	60 LF	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
8008	805135	805	90 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8009	811001	811	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
NEG	811002	811	1 EA	REMOVE ELECTRICAL HANDHOLE
NEG	816010	800	1 EA	CONTROL CABLE, 250 FOOT VIDEO DETECTION CAMERA TO CONTROLLER
8011	837001	804	1 EA	GROUND ROD -¾ INCH DIAMETER X 10 FOOT LENGTH
NEG	861108	810	155 LF	ELECTRICAL CABLE- 7 CONDUCTOR (NO. 14 AWG)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

CONTACTS FOR DISTRICT 5:

MS. KIMBERLY TRAN
ASSISTANT DISTRICT ENGINEER, TRAFFIC
410-841-1003

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER, MAINTENANCE
410-841-1013

MR. JOHN S. MAYS
UTILITIES ENGINEER
410-841-1039

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY:

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
CHIEF, SIGNAL OPERATIONS
410-787-7650

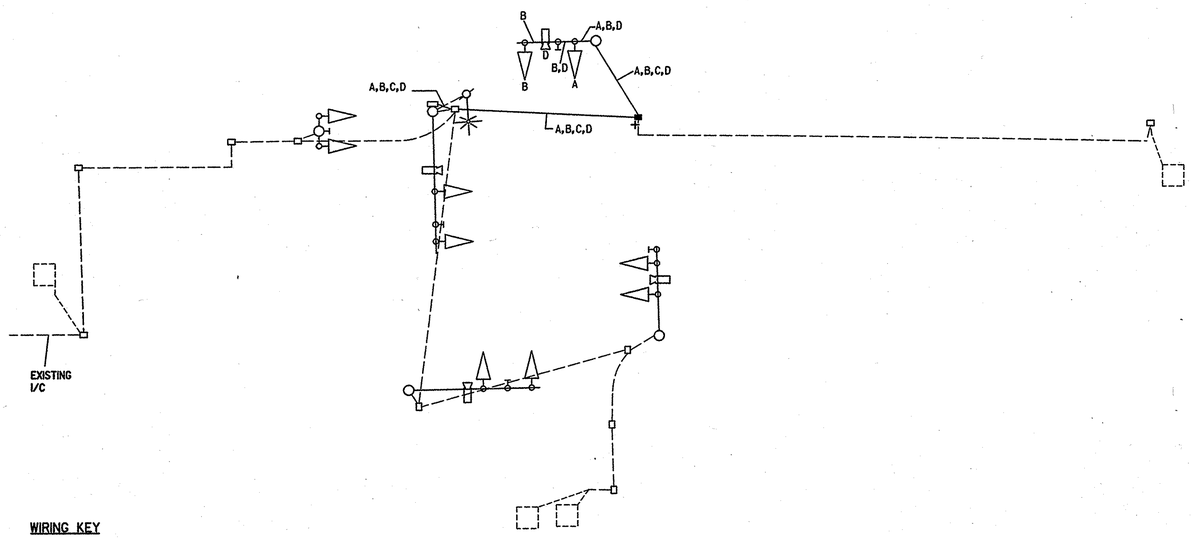
MR. EUGENE BAILEY
CHIEF, SIGN OPERATIONS
410-787-7676

MR. MIKE STOCKER
SIGNAL SHOP WAREHOUSE
410-787-7696

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION. 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.

NONE

WIRING DIAGRAM



WIRING KEY

A,B 7-CONDUCTOR ELECTRIC CABLE (NO. 14 AWG)

C NO. 6 AWG STRANDED BARE COPPER GROUND WIRE

D VIDEO DETECTION LEAD-IN CABLE

+ GROUND ROD

PHASING DIAGRAM

	1	2	3	4	7	8	9	10
Phase 1 & 5	◀G-R	R	◀G-R	R	R	R-G▶	R	R
1 & 5 Change	◀Y-R	R	◀Y-R	R	R	R-Y▶	R	R
Phase 1 & 6	◀G-R	G	R	R	R	R	R	R
1 & 6 Change	◀Y-R	Y	R	R	R	R	R	R
Phase 2 & 5	R	R	◀G-R	G	R	R-G▶	R	R
2 & 5 Change	R	R	◀Y-R	Y	R	R-Y▶	R	R
Phase 2 & 6	G	G	G	G	R	R	R	R
2 & 6 Change	Y	Y	Y	Y	R	R	R	R
Phase 4 & 8	R	R	R	R	G	G	G	G
4 & 8 Change	R	R	R	R	Y	Y	Y	Y
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

NOTE: NO CHANGE TO EXISTING OPERATION

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 177 (MOUNTAIN ROAD) AT CATHERNE AVENUE
PASADENA, MARYLAND

REVISION J CONSULTANT

WALLACE, MONTGOMERY & ASSOCIATES, LLP
CIVIL AND STRUCTURAL ENGINEERS
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Towson, Maryland 21204
(410) 494-9093, (410) 825-5714 Fax
www.WallaceMontgomery.com

GENERAL INFORMATION SHEET

SCALE _____ DATE OCTOBER, 2007 CONTRACT NO. AX3745133

DESIGNED BY Q.J.S. COUNTY ANNE ARUNDEL
DRAWN BY Q.J.S. LOGMILE 02045010.71
CHECKED BY J.L.R. T.I.M.S. NO. 1717
F.A.P. NO. _____ TOD NO. 328 J

DRAWING NO. – SHEET NO. 2 OF 2

PLOTTED: Friday, October 12, 2007 AT 11:22 AM
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