MD 170 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

EQUIPMENT LIST:

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9001	24 EACH	FURNISH 12" VEHICULAR BLACK FACED LED TRAFFIC SIGNAL HEAD SECTION
9002	480 L.F.	FURNISH ELECTRICAL CABLE - 7-CONDUCTOR (NO. 14 AWG)
9003	8 EACH	FURNISH SIGNAL HEAD HARDWARE SPAN MOUNT 3 OR 4 SECTION - 1 WAY
9004	6 S.F.	2 EACH R10-5 SIGN. "LEFT TURN ON GREEN ARROW ONLY". 24" x 18". SPAN WIRE HARDWARE

B. EQUIPMENT TO BE INSTALLED BY THE SHA SIGNAL SHOP

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8001	480 L.F.	INSTALL ELECTRICAL CABLE
8002	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT
8003	8 EACH	INSTALL TRAFFIC SIGNAL HEAD
8004	2 EACH	INSTALL SIGN

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	◁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-	◁R- ◁Y- ◁G-	R Y G	R Y G
PHASE 1 & 5	◀G-	◀G-	R	R	◀G-	◀G-	R	R	◀R-	◀R-	R	R	◀R-	◀R-	R	R
1 & 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 & 6 OR 2 & 5 OR 2 & 6															
PHASE 1 & 6	◀G-	◀G-	G	G	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀R-	◀R-	R	R
1 CHANGE	◀Y-	◀Y-	G	G	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀R-	◀R-	R	R
PHASE 2 & 5	◀R-	◀R-	R	R	◀G-	◀G-	G	G	◀R-	◀R-	R	R	◀R-	◀R-	R	R
5 CHANGE	◀R-	◀R-	R	R	◀Y-	◀Y-	G	G	◀R-	◀R-	R	R	◀R-	◀R-	R	R
PHASE 2 & 6	◀R-	◀R-	G	G	◀R-	◀R-	G	G	◀R-	◀R-	R	R	◀R-	◀R-	R	R
2 & 6 CHANGE	◀R-	◀R-	Y	Y	◀R-	◀R-	Y	Y	◀R-	◀R-	R	R	◀R-	◀R-	R	R
PHASE 3 & 7	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀G-	◀G-	R	R	◀G-	◀G-	R	R
3 & 7 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 3 & 8 OR 4 & 7 OR 4 & 8															
PHASE 3 & 8	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀G-	◀G-	G	G	◀R-	◀R-	R	R
3 CHANGE	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀Y-	◀Y-	G	G	◀R-	◀R-	R	R
PHASE 4 & 7	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀G-	◀G-	G	G
7 CHANGE	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀Y-	◀Y-	G	G
PHASE 4 & 8	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀R-	◀R-	G	G	◀R-	◀R-	G	G
4 & 8 CHANGE	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀R-	◀R-	Y	Y	◀R-	◀R-	Y	Y
FLASHING OPERATION	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/Y	FL/Y	FL/RA	FL/RA	FL/R	FL/R	FL/RA	FL/RA	FL/R	FL/R

FIRE HOUSE PRE-EMPTION

FIREHOUSE PRE-EMPTION PHASE 6	◀G-	◀G-	G	G	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀R-	◀R-	R	R
PRE-EMPTION CLEARANCE	◀Y-	◀Y-	Y	Y	◀R-	◀R-	R	R	◀R-	◀R-	R	R	◀R-	◀R-	R	R
PHASE 2 & 6 NORMAL OPERATION	◀R-	◀R-	G	G	◀R-	◀R-	G	G	◀R-	◀R-	R	R	◀R-	◀R-	R	R

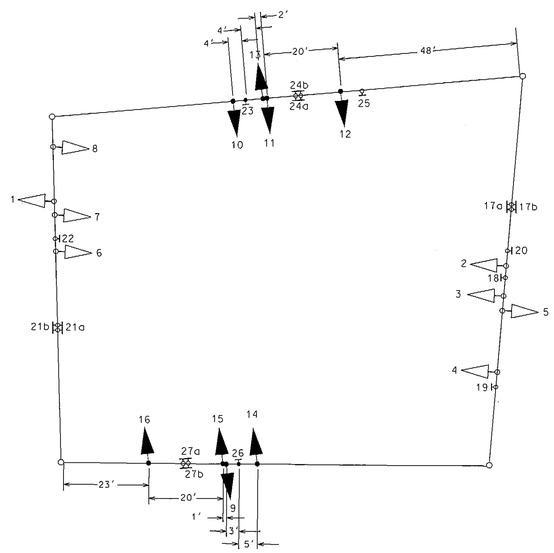
WIRING DIAGRAM

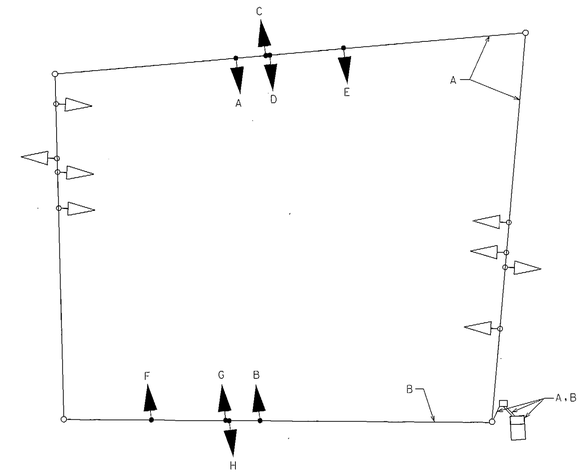
A-B = 7-CONDUCTOR CABLE (NO. 14 AWG)
C-H = USE THE EXISTING CABLE

DRILL HOLES

DRILL HOLES

DRILL HOLES





STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 170 (TELEGRAPH ROAD) AND
MD 174 (DONALDSON AVENUE/
REECE ROAD)
SEVERN, MARYLAND

SCALE NONE DATE 07/2010 CONTRACT NO. SF-SIGNAL

DESIGNED BY: William Malcolm
DRAWN BY: William Malcolm
CHECKED BY:
F.A.P. NO.:

COUNTY: ANNE ARUNDEL
LOGMILE: 02017003.75
TIMS NO.: H614
TOD NO.:

DRAWING NO. 1464 E - OF

SHEET NO. 2 OF 2