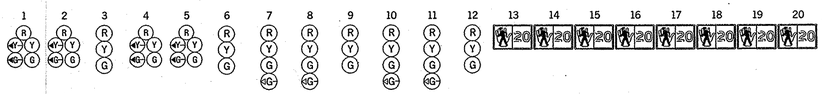
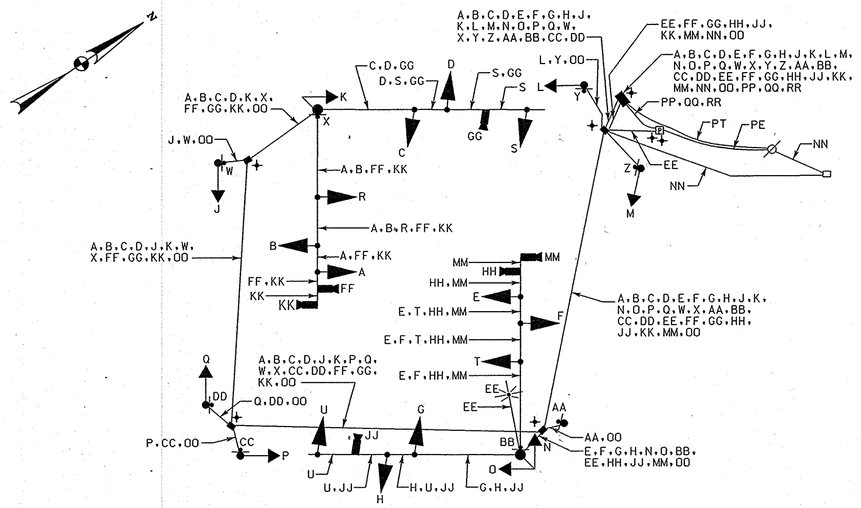
PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PHASE 1 + 5	R ←G—	R ←G—	R	R ←G—	R ←G—	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
1 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6																			
PHASE 1 + 6	G ←G—	G ←G—	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
1 + 6 CHANGE	G ←Y—	G ←Y—	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 + 5	R	R	R	G ←G—	G ←G—	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
2 + 5 CHANGE	R	R	R	G ←Y—	G ←Y—	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 + 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEARANCE	G	G	G	G	G	G	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 + 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3	R	R	R	R	R	R	R	R	R	←G—	←G—	G	DW	DW	DW	DW	DW	DW	DW	DW
3 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 ALT	R	R	R	R	R	R	R	R	R	←G—	←G—	G	DW	DW	DW	DW	WK	DW	DW	WK
PED CLEARANCE	R	R	R	R	R	R	R	R	R	G	G	G	DW	DW	DW	DW	FL/DW	DW	DW	FL/DW
3 ALT CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	R	←G—	←G—	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
4 CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 ALT	R	R	R	R	R	R	←G—	←G—	G	R	R	R	DW	DW	DW	DW	DW	WK	WK	DW
PED CLEARANCE	R	R	R	R	R	R	G	G	G	R	R	R	DW	DW	DW	DW	DW	FL/DW	FL/DW	DW
4 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	← FL/R —	← FL/R —	FL/Y	← FL/R —	← FL/R —	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



WIRING KEY

- A B C D E F G H — 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- J K L M N O P Q R S T U — 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- W X Y Z AA BB CC DD — 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- EE — 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.) - TRAY CABLE
- FF JJ GG KK HH MM — VIDEO CAMERA DETECTION LEAD-IN CABLE
- NN — EXISTING 12-PAIR COMMUNICATION CABLE (JELLY-FILLED)
- OO — STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- PP QQ RR — 1-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
- ML - MICROLOOP PROBE SET
- PT - PROPOSED UNDERGROUND TELEPHONE SERVICE
- PE - PROPOSED UNDERGROUND ELECTRICAL SERVICE
- + - 3/4 IN. X 10 FT. GROUND ROD

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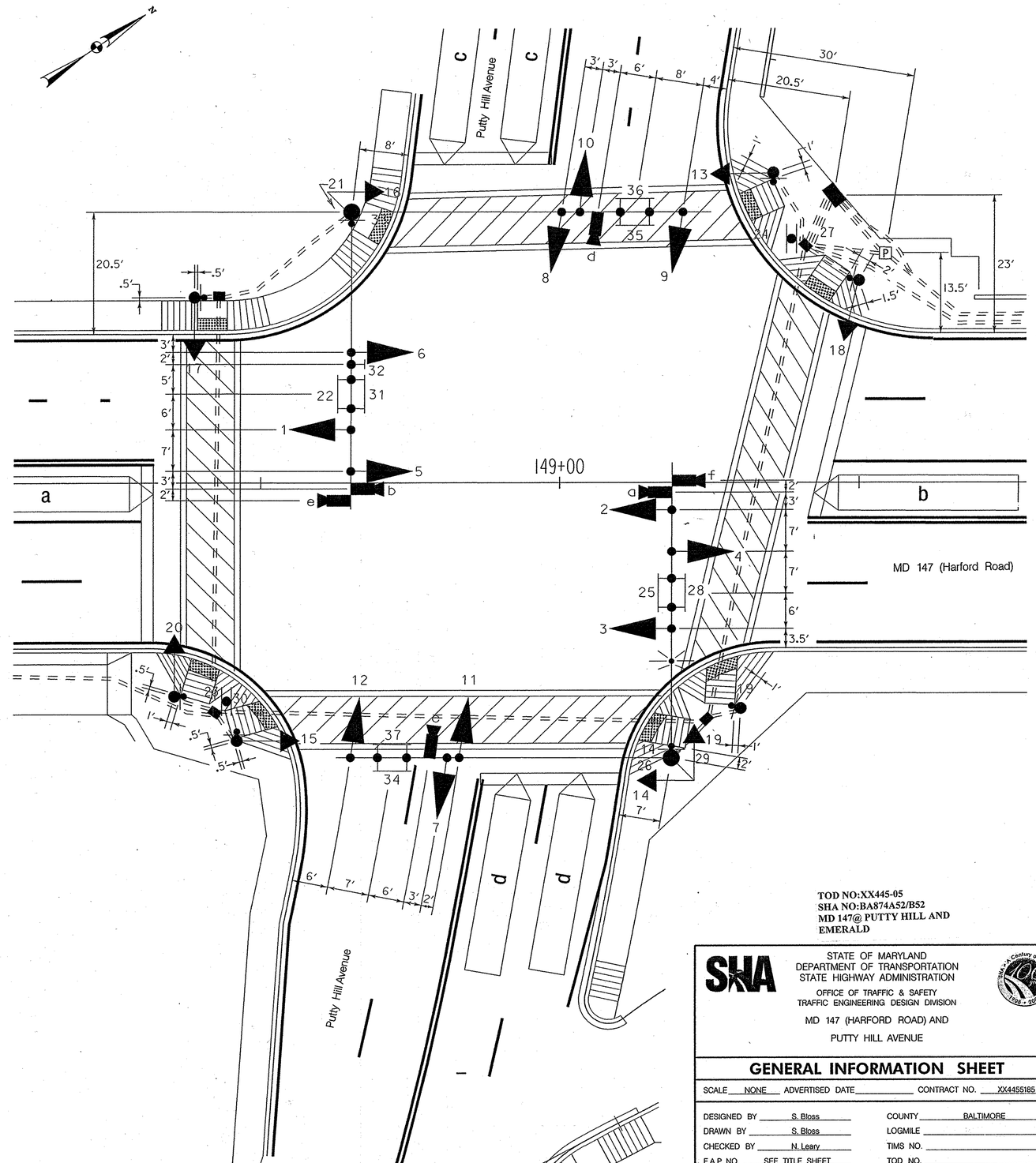
BY: bdonoway



TOD NO:XX445-05
SHA NO:BA874A52/B52
MD 147@ PUTTY HILL AND EMERALD

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 147 (HARFORD ROAD) AND
PUTTY HILL AVENUE

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE _____ CONTRACT NO. XX4455185

DESIGNED BY S. Bloss
DRAWN BY S. Bloss
CHECKED BY N. Leary
F.A.P. NO. SEE TITLE SHEET
COUNTY BALTIMORE
LOGMILE
TIMS NO.
TOD NO.

TS NO. | DRAWING TSP-2 OF 5 | SHEET NO. 2 OF 5

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