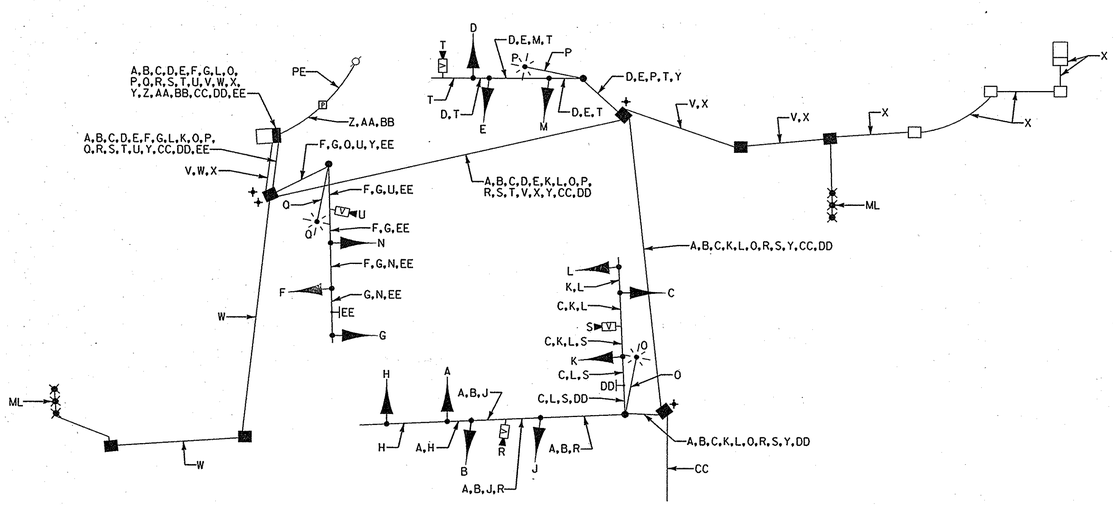
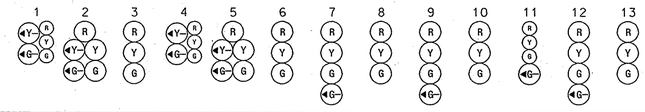
WIRING DIAGRAM



WIRING KEY

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

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13
PHASE 1 + 5	R ← G	R ← G	R	R ← G	R ← G	R	R	R	R	R	R	R	R
1 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6												
PHASE 1 + 6	R	R	G	G ← G	G ← G	R	R	R	R	R	R	R	R
1 + 6 CHANGE	R	R	G	G ← Y	G ← Y	R	R	R	R	R	R	R	R
PHASE 2 + 5	G ← G	G ← G	R	R	R	G	R	R	R	R	R	R	R
2 + 5 CHANGE	G ← Y	G ← Y	R	R	R	G	R	R	R	R	R	R	R
PHASE 2 + 6	G	G	G	G	G	G	R	R	R	R	R	R	R
2 + 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R
PHASE 3	R	R	R	R	R	R	R	R	R	R	G ← G	G ← G	G
3 CHANGE	R	R	R	R	R	R	R	R	R	R	Y	Y	Y
PHASE 4	R	R	R	R	R	R	G ← G	G	G ← G	G	R	R	R
4 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	R	R	R
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

TSP-17

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
SOUTH STREET AND MONOCACY BLVD.

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SCALE:	NONE	COUNTY:	FREDERICK	T.I.M.S. NO.	OF
DATE:	4/20/2005	LOG MILE:			

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