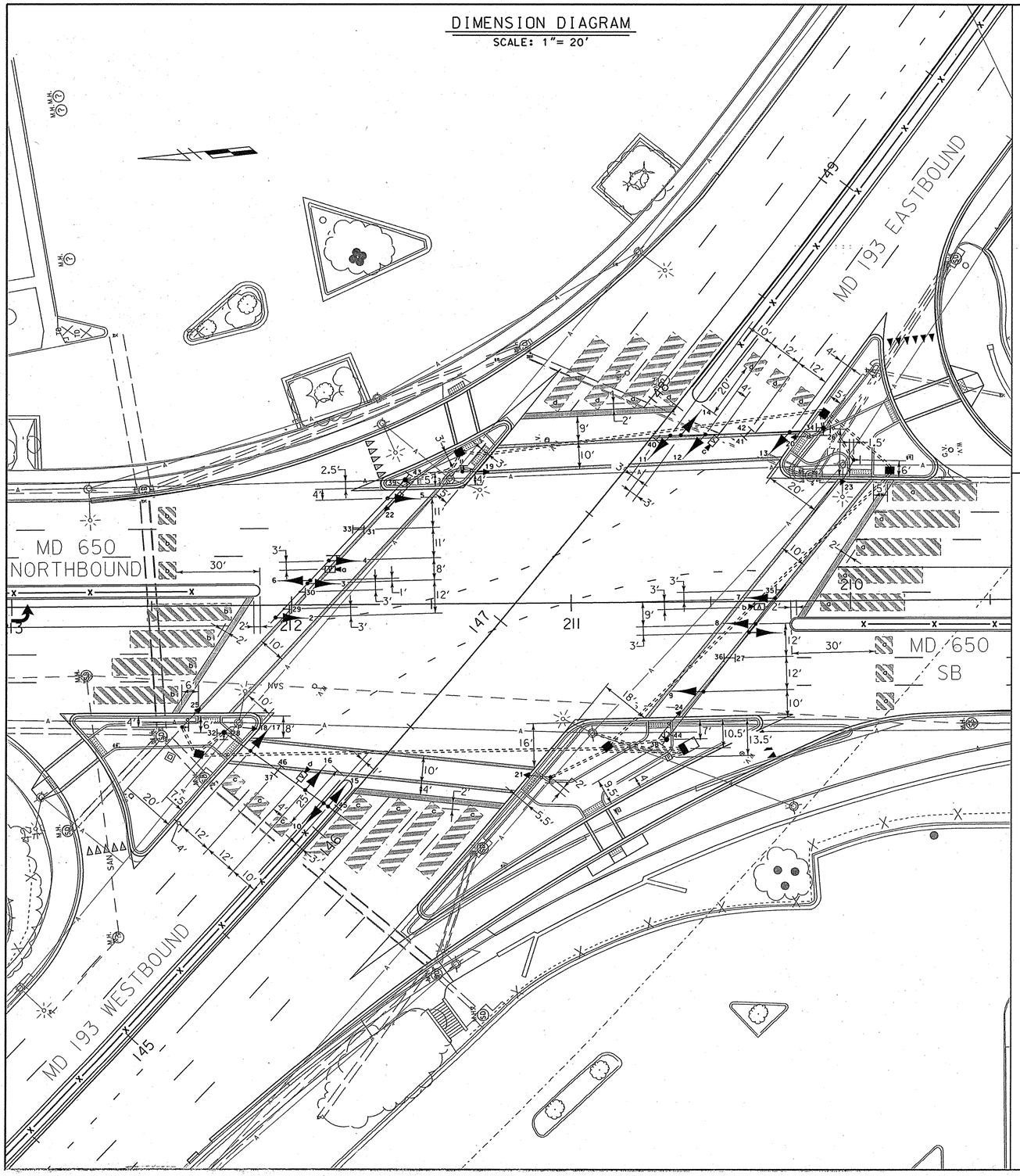
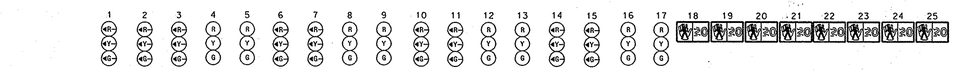
DIMENSION DIAGRAM

SCALE: 1"= 20'



PHASE CHART

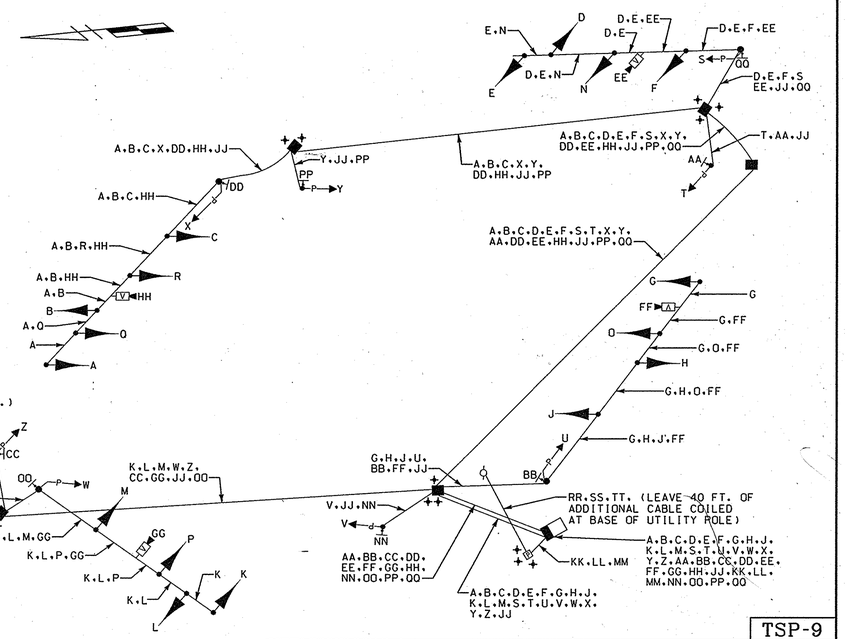


PHASE 1 + 5	←G—	←G—	←G—	R	R	←G—	←G—	R	R	←R—	←R—	R	R	←R—	←R—	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
1 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6																									
PHASE 1 + 6	←G—	←G—	←G—	G	G	←R—	←R—	R	R	←R—	←R—	R	R	←R—	←R—	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
1 + 6 CHANGE	←Y—	←Y—	←Y—	G	G	←R—	←R—	R	R	←R—	←R—	R	R	←R—	←R—	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 + 5	←R—	←R—	←R—	R	R	←G—	←G—	G	G	←R—	←R—	R	R	←R—	←R—	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
2 + 5 CHANGE	←R—	←R—	←R—	R	R	←Y—	←Y—	G	G	←R—	←R—	R	R	←R—	←R—	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 + 6	←R—	←R—	←R—	G	G	←R—	←R—	G	G	←R—	←R—	R	R	←R—	←R—	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
2 + 6 CHANGE	←R—	←R—	←R—	Y	Y	←R—	←R—	Y	Y	←R—	←R—	R	R	←R—	←R—	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 + 6 ALT	←R—	←R—	←R—	G	G	←R—	←R—	G	G	←R—	←R—	R	R	←R—	←R—	R	R	WK	WK	WK	WK	DW	DW	DW	DW	DW
PED CLEARANCE	←R—	←R—	←R—	G	G	←R—	←R—	G	G	←R—	←R—	R	R	←R—	←R—	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW	DW
ALT 2 + 6 CHANGE	←R—	←R—	←R—	Y	Y	←R—	←R—	Y	Y	←R—	←R—	R	R	←R—	←R—	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 + 7	←R—	←R—	←R—	R	R	←R—	←R—	R	R	←G—	←G—	R	R	←G—	←G—	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
3 + 7 CHANGE	PHASE 3 + 7 MAY CHANGE TO PHASE 3 + 8, PHASE 4 + 7 OR PHASE 4 + 8																									
PHASE 3 + 8	←R—	←R—	←R—	R	R	←R—	←R—	R	R	←G—	←G—	G	G	←R—	←R—	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
3 + 8 CHANGE	←R—	←R—	←R—	R	R	←R—	←R—	R	R	←Y—	←Y—	G	G	←R—	←R—	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 + 7	←R—	←R—	←R—	R	R	←R—	←R—	R	R	←R—	←R—	R	R	←G—	←G—	G	G	DW	DW	DW	DW	DW	DW	DW	DW	DW
4 + 7 CHANGE	←R—	←R—	←R—	R	R	←R—	←R—	R	R	←R—	←R—	R	R	←Y—	←Y—	G	G	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 + 8	←R—	←R—	←R—	R	R	←R—	←R—	R	R	←R—	←R—	G	G	←R—	←R—	G	G	DW	DW	DW	DW	DW	DW	DW	DW	DW
4 + 8 CHANGE	←R—	←R—	←R—	R	R	←R—	←R—	R	R	←R—	←R—	Y	Y	←R—	←R—	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 + 8 ALT	←R—	←R—	←R—	R	R	←R—	←R—	R	R	←R—	←R—	G	G	←R—	←R—	G	G	DW	DW	DW	DW	WK	WK	WK	WK	WK
PED CLEARANCE	←R—	←R—	←R—	R	R	←R—	←R—	R	R	←R—	←R—	G	G	←R—	←R—	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW	FL/DW
4 + 8 ALT CHANGE	←R—	←R—	←R—	R	R	←R—	←R—	R	R	←R—	←R—	Y	Y	←R—	←R—	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	←FL/R→	←FL/R→	←FL/R→	FL/Y	FL/Y	←FL/R→	←FL/R→	FL/Y	FL/Y	←FL/R→	←FL/R→	FL/R	FL/R	←FL/R→	←FL/R→	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM

WIRING KEY

- A G H B C J D K E L F M — 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- N W O X P Y Q Z R S T U V — 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- AA BB CC DD NN OO PP QQ — 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- EE FF GG HH — VIDEO CAMERA DETECTION LEAD-IN CABLE
- JJ — STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- KK LL MM — 1-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
- RR SS TT — 1-CONDUCTOR, 250 KCML, CU ELECTRICAL CABLE
- + — 3/4 IN. X 10 FT. GROUND ROD



TSP-9

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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 650 AND MD 193

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CHECKED BY: N. LEARY	S.H.A. NO.	M03335184			
SCALE: NONE	COUNTY:	PRINCE GEORGES	T.M.S. NO. G309	56 OF 85	
DATE: 5/12/2006	LOG MILE:	16.065001.89			

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