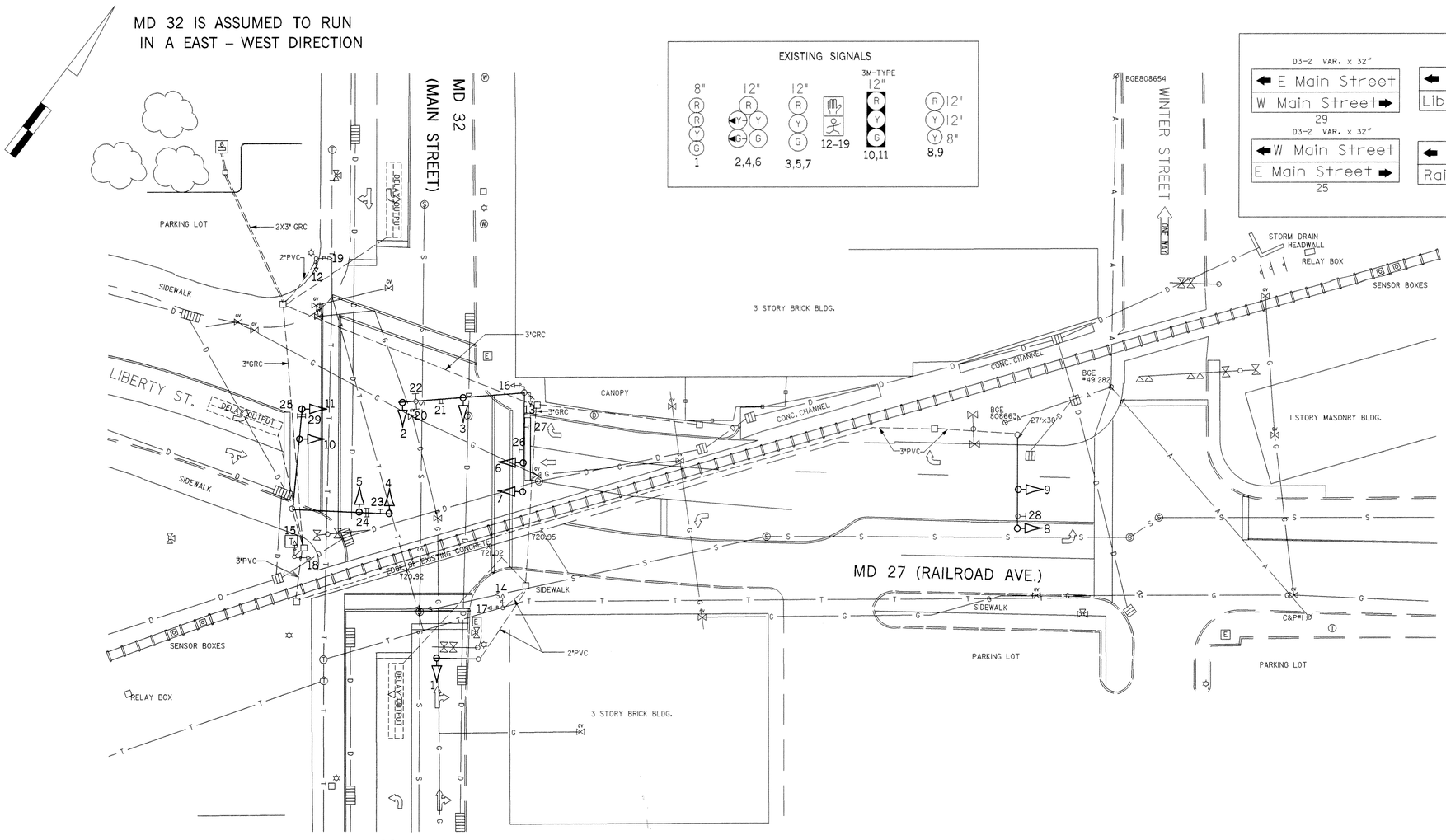
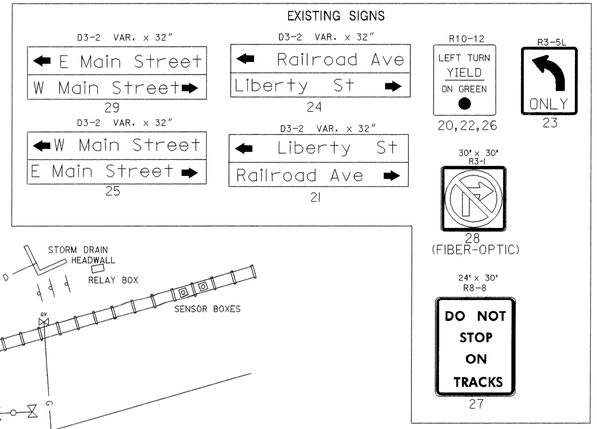
F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD	STP-237-1(10)E	1	1

MD 32 IS ASSUMED TO RUN IN A EAST – WEST DIRECTION

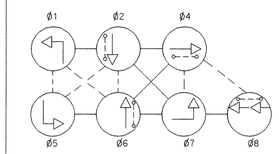


EXISTING SIGNALS

EXISTING SIGNS



NEMA PHASING



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

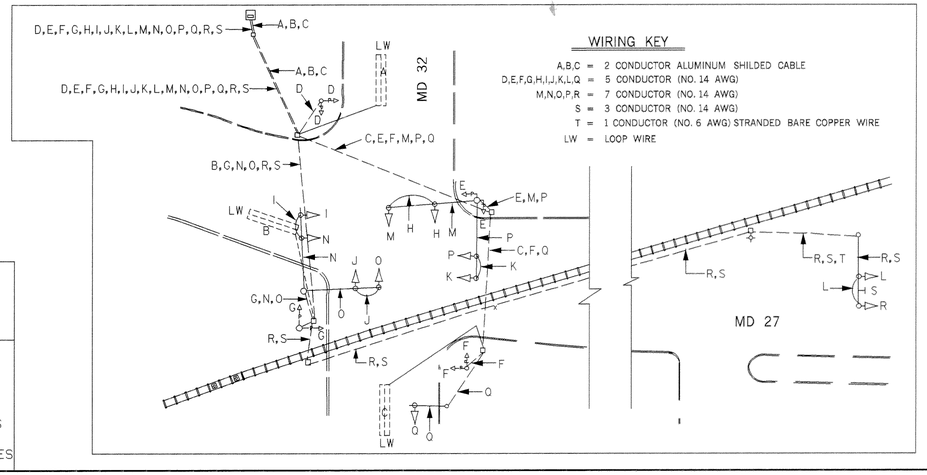
PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	29
PHASE 1 AND 5	G	B G	R	R G	R	R	R	FLY	FLY	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DARK
1 AND 5 CHANGE	PHASE 1 AND 5 MAY CHANGE TO PHASE 1 AND 6 OR PHASE 2 AND 5																			
PHASE 1 AND 6	G	B G	G	R	R	R	R	FLY	FLY	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DARK
6 CHANGE	Y	B G	G	R	R	R	R	FLY	FLY	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 2 AND 5	R	R	R	G G	G	R	R	FLY	FLY	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DARK
2 AND 5 CHANGE	R	R	R	Y G	G	R	R	FLY	FLY	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 2 AND 6	G	G	G	G	G	R	R	FLY	FLY	R	R	WK	WK	WK	WK	DW	DW	DW	DW	DARK
PED. CLEARANCE	G	G	G	G	G	R	R	FLY	FLY	R	R	FLDW	FLDW	FLDW	FLDW	DW	DW	DW	DW	
2 AND 6 CHANGE	Y	Y	Y	Y	Y	R	R	FLY	FLY	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 7	R	R	R	R	R	G G	G	FLY	FLY	R	R	DW	DW	DW	DW	DW	DW	DW	DW	DARK
4 AND 7 CHANGE	R	R	R	R	R	Y G	G	FLY	FLY	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8	R	R	R	R	R	G	G	FLY	FLY	G	G	DW	DW	DW	DW	WK	WK	WK	WK	DARK
PED. CLEARANCE	R	R	R	R	R	G	G	FLY	FLY	G	G	DW	DW	DW	DW	FLDW	FLDW	FLDW	FLDW	
4 AND 8 CHANGE	R	R	R	R	R	Y	Y	FLY	FLY	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK
PRE – EMPTION	R	R	R	R	R	R	R	Y	Y	G	G	DW	DW	DW	DW	DW	DW	DW	DW	ON
TRACK CLEARANCE	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	
TRACK DWELL	R	R	R	R	R	R G	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	ON
PRE – EMPTION CHANGE *	R	R	R	R	R	R Y	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	ON

* THE CONTROLLER SHALL RETURN TO PHASE 2 AND 6 GREEN AT THE END OF PRE – EMPTION PHASE.

WIRING KEY

A,B,C = 2 CONDUCTOR ALUMINUM SHILDED CABLE
D,E,F,G,H,I,J,K,L,Q = 5 CONDUCTOR (NO. 14 AWG)
M,N,O,P,R = 7 CONDUCTOR (NO. 14 AWG)
S = 3 CONDUCTOR (NO. 14 AWG)
T = 1 CONDUCTOR (NO. 6 AWG) STRANDED BARE COPPER WIRE
LW = LOOP WIRE



GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES

AS BUILT 12 /1 /97

REVISIONS	APPROVALS
1 JUNE 10, 1997 MODIFICATION, UPGRADE SIGNALS AND PRE-EMPTION SHA NO. CL 796 BD1 A.P./S.R.	ASST. DIVISION CHIEF, TEBD
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

SABRA & ASSOCIATES, INC.
9881 BROKEN LAND PARKWAY
COLUMBIA, MD 21046

PROJECT CONTRACT NUMBER
AAR/DOT NO. 831697V
F.A.P. NO. STP-237-1(10)E
S.H.A. NO. CL 796BD1

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 32 (MAIN ST.) & MD 27 (RAILROAD AVE./LIBERTY ST.)

LOG MILE: 0600321783

DRAWN BY:		F.A.P. NO.		PLAN SHEET NO.:	SHEET NO.
CHECK BY:		S.H.A. NO.	AW-629-503-785	TS-1112D	1 OF 1
SCALE:	1"=20'	COUNTY	CARROLL		