F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

US 29 ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

SIGNS

16 — NO TURNS — R3-3 36"x36"

17,18 — ONE WAY — R6-1L 36"x12"

19 — R3-3 36"x36"

20 — University BLVD 001 W — D3-2

21,22 — ONE WAY — R6-1R 36"x12"

23 — INTERSTATE 495 WEST; SOUTH 29 NORTH — PM-2 8.5' X 6'

24 — Colesville RD 10100 — D3-2

25,26,27,28 — PUSH BUTTON TO CROSS COLESVILLE RD; START CROSSING WATCH FOR TURNING CARS; FLASHING DON'T START FINISH CROSSING IF STARTED; STEADY PEDESTRIANS SHOULD NOT BE IN CROSSWALK — R10-3C 8"X12"

SIGNALS

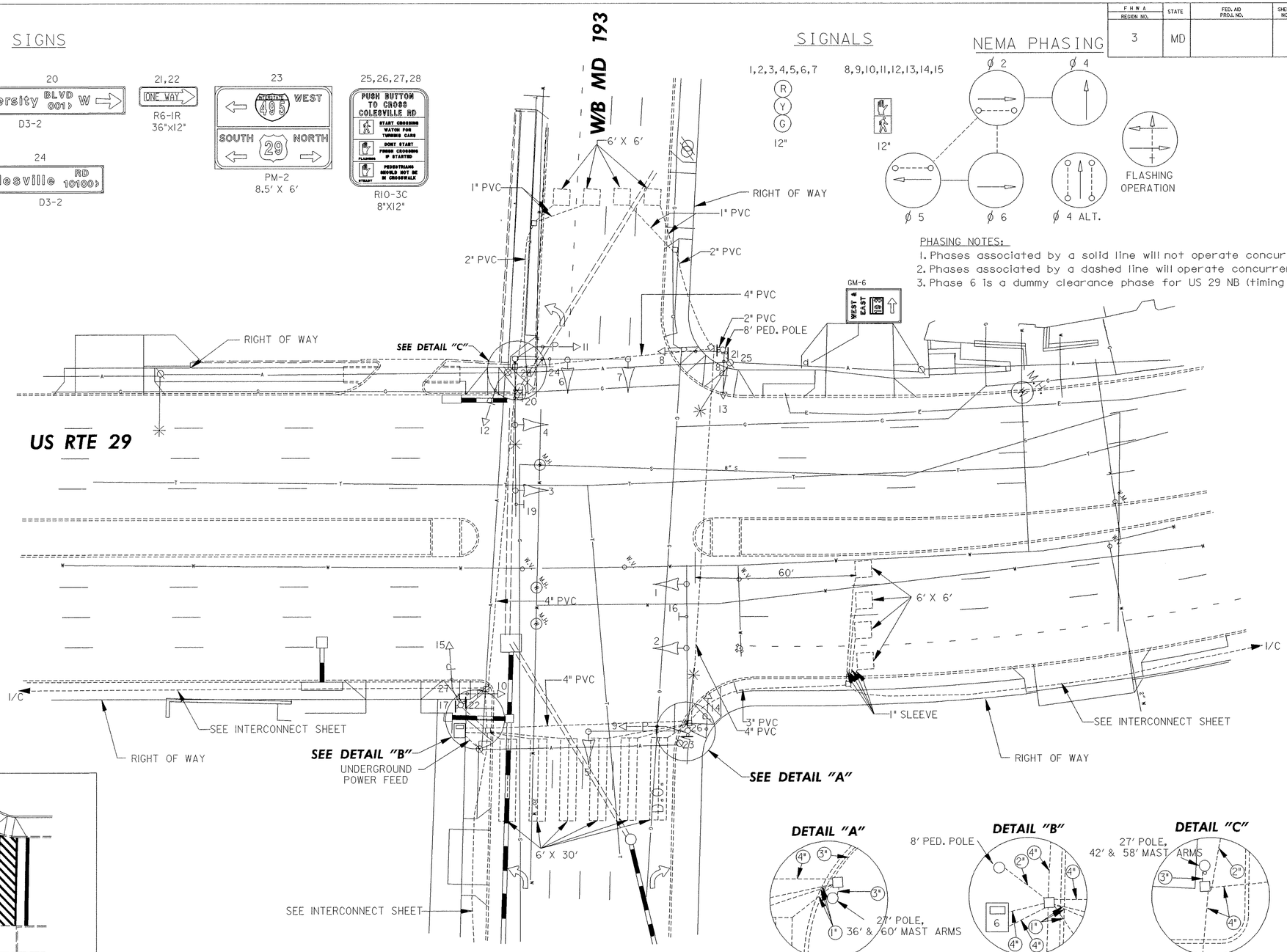
1,2,3,4,5,6,7 — R Y G — 12"

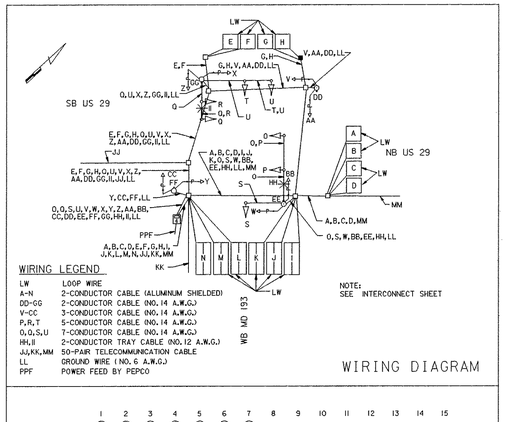
8,9,10,11,12,13,14,15 — 12"

NEMA PHASING

PHASING NOTES:

1. Phases associated by a solid line will not operate concurrently.
2. Phases associated by a dashed line will operate concurrently.
3. Phase 6 is a dummy clearance phase for US 29 NB (timing only).





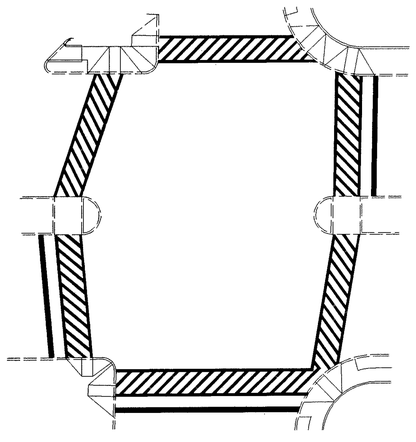
WIRING LEGEND

LW	LOOP WIRE
A-N	2-CONDUCTOR CABLE (ALUMINUM SHIELDED)
DD-GG	2-CONDUCTOR CABLE (NO. 14 A.W.G.)
V-CC	3-CONDUCTOR CABLE (NO. 14 A.W.G.)
P,R,T	5-CONDUCTOR CABLE (NO. 14 A.W.G.)
O,Q,S,U	7-CONDUCTOR CABLE (NO. 14 A.W.G.)
HH,II	2-CONDUCTOR TRAY CABLE (NO. 12 A.W.G.)
JJ,KK,MM	50-PAIR TELECOMMUNICATION CABLE
LL	GROUND WIRE (NO. 6 A.W.G.)
PPF	POWER FEED BY PEPCO

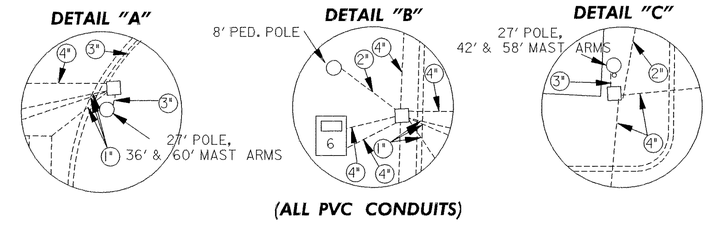
WIRING DIAGRAM

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	DW WK	DW WK	DW WK	DW WK	DW WK	DW WK	DW WK	DW WK
PHASE 2+5	G	G	G	G	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED. CLEAR.	G	G	G	G	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2+5 CHANGE	G	G	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 6	G	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
6 CHANGE	Y	Y	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4	R	R	R	R	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 CHANGE	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 ALT.	R	R	R	R	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK
PED. CLEAR.	R	R	R	R	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
4 ALT. CHANGE	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

PHASING CHART



"PAVEMENT MARKING DETAIL"



(ALL PVC CONDUITS)

UTILITY LEGEND

S	SEWER
T	TELEPHONE
W	WATER
G	GAS
E	ELECTRIC
A	AERIAL
I/C	INTERCONNECT

REVISIONS:	APPROVALS:
REVISED 09/95 FOR THE US 29 IMPROVEMENTS S.H.A. NO. M 425-502-370	ORIGINAL
A 3/28/97 AS BUILT M 425-502-370	CHIEF SIGNAL DESIGN SECTION
	ON
	ASST. DISTRICT ENGINEER TRAFFIC
	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	FILE
	DIRECTOR OFFICE OF TRAFFIC & SAFETY

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

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE # 15002902.72

DRAWN BY: ZAJ
DES. BY: ZAJ
CHK. BY:

US 29 @ WB MD 193
SIGNAL PLAN

COUNTY: MONTGOMERY

DATE: SEPTEMBER, 1995 F.A.P. NO.
SCALE: 1"=20' S.H.A. NO. M 425-502-370

TS/STD. NO.: TS-487B-A

SHEET NO. ___ OF ___