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 — R3-3B 36"x36"

17 — University BLVD (001) E — D3-2

18,19 — ONE WAY — R6-1R 36"x12"

20 — NO TURNS — R3-3 36"x36"

21,22 — ONE WAY — R6-1L 36"x12"

23 — EAST (US 29) 495 WEST; NORTH 29 SOUTH — PM-1 8.5' X 6'

24 — Colesville RD (10100) — D3-2

25 — ONLY — R3-5R 30"x36"

26,27,28,29 — PUSH BUTTON TO CROSS COLESVILLE RD; START CROSSING WATCH FOR TURNING CARS; DON'T START FINISH CROSSING IF STARTED; PEDESTRIANS SHOULD NOT BE IN CROSSWALK — R10-3C 9"X12"

SIGNALS

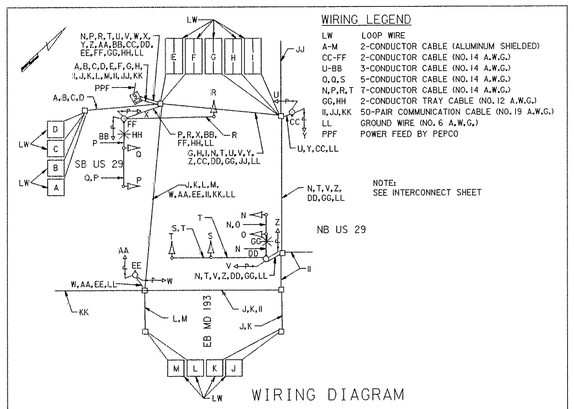
1,2,3,4,5,6,7 — R Y G — 12"

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 SB (timing only).



WIRING LEGEND

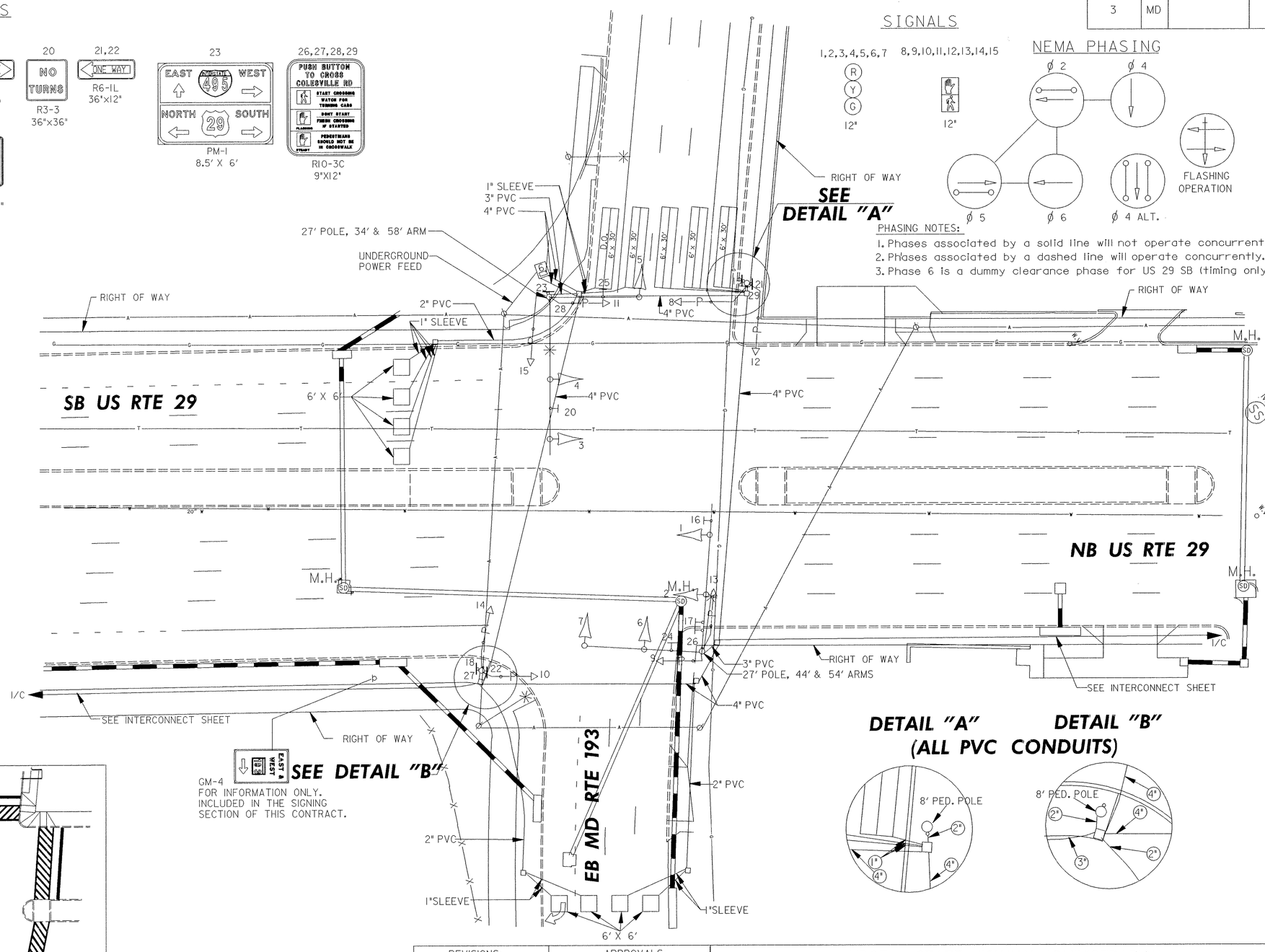
LW	LOOP WIRE
A-M	2-CONDUCTOR CABLE (ALUMINUM SHIELDED)
CC-FF	2-CONDUCTOR CABLE (NO. 14 A.W.G.)
U-BB	3-CONDUCTOR CABLE (NO. 14 A.W.G.)
O,Q,S	5-CONDUCTOR CABLE (NO. 14 A.W.G.)
N,P,R,T	7-CONDUCTOR CABLE (NO. 14 A.W.G.)
GG,HH	2-CONDUCTOR TRAY CABLE (NO. 12 A.W.G.)
II,JJ,KK	50-PAIR COMMUNICATION CABLE (NO. 19 A.W.G.)
LL	GROUND WIRE (NO. 6 A.W.G.)
PPF	POWER FEED BY PEPCO

NOTE: SEE INTERCONNECT SHEET

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	Y	Y	G	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 6	R	R	G	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
6 CHANGE	R	R	Y	Y	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

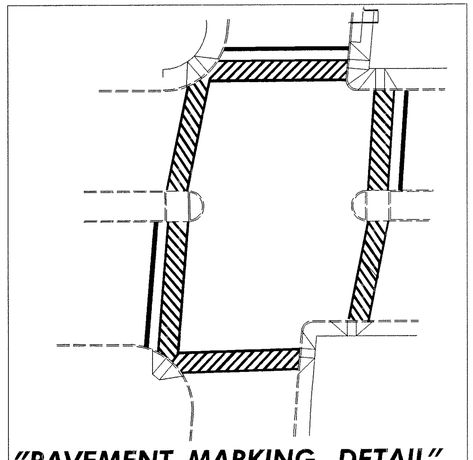


DETAIL "A" (ALL PVC CONDUITS)

DETAIL "B"

UTILITY LEGEND

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



"PAVEMENT MARKING DETAIL"

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

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 RAVI	CHIEF SIGNAL DESIGN SECTION
	ON
	ASST. DISTRICT ENGINEER TRAFFIC
	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	FILE
	DIRECTOR OFFICE OF TRAFFIC & SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE # 15002902.69

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

US 29 @ EB 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-3535-A

SHEET NO. ___ OF ___