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

EXISTING SIGNALS & SIGNS

2,3,5-12 13-20 22a,22b,24a,24b 29

R Y G 12" | 12" | Baltimore Rd. D3-2 16" x Var. | NO TURN ON RED R10-11b 30" x 30"

PROPOSED SIGNALS & SIGNS

1,4 2,5 3,6-12 13-20 21,23 25,27

R 8" Y 8" G 8" 12" | R Y G 12" | 12" | LEFT TURN YIELD ON GREEN R 10-12 36"X42" | ONLY R3-5(L) 30" x 30"

26,28 22a,22b,24a,24b 29

R3-6(R) 30" x 30" | Baltimore Rd. D3-2 16" x Var. | NO TURN ON RED R10-11b 30" x 30"

NEMA PHASING

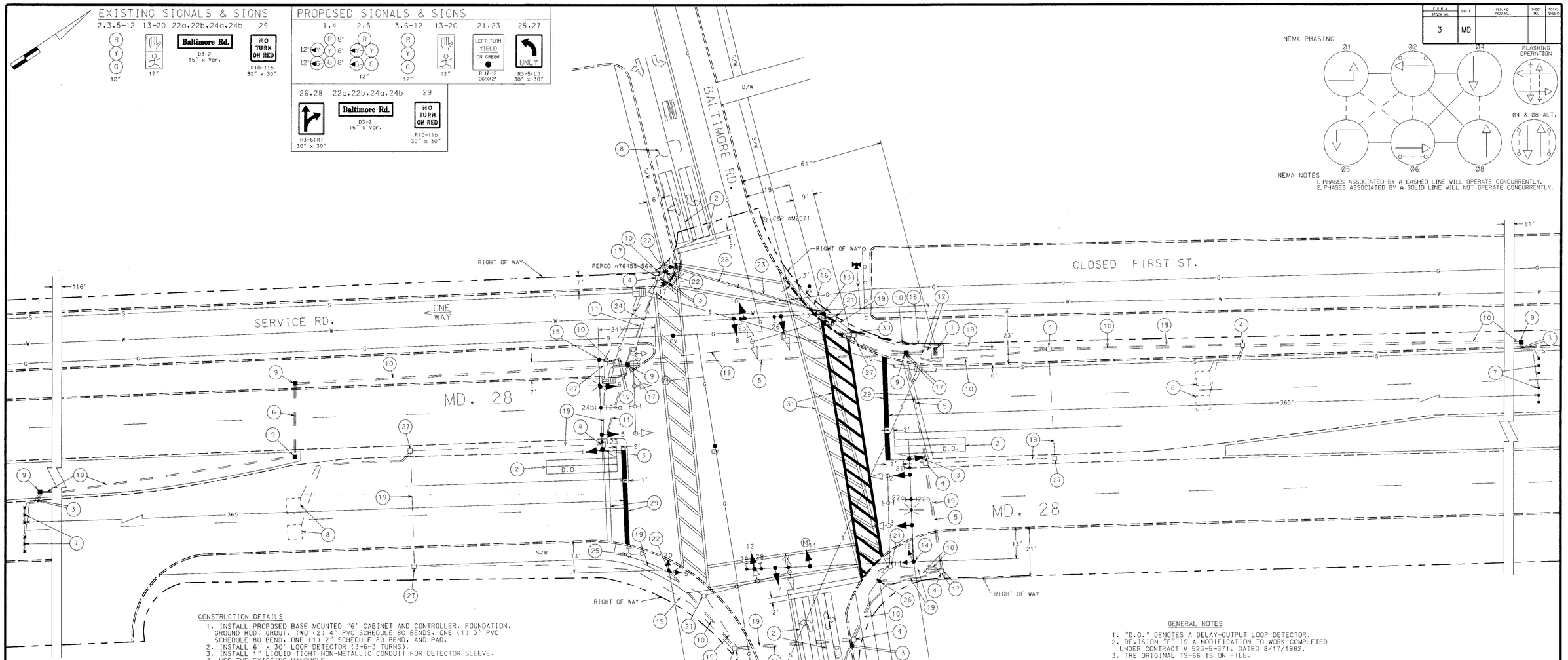
Ø1 Ø2 Ø4 Ø5 Ø6 Ø8

FLASHING OPERATION

Ø4 & Ø8 ALT.

NEMA NOTES

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

1. INSTALL PROPOSED BASE MOUNTED "6" CABINET AND CONTROLLER. FOUNDATION. GROUND ROD. GROUT. TWO (2) 4" PVC SCHEDULE 80 BENDS. ONE (1) 3" PVC SCHEDULE 80 BEND. ONE (1) 2" SCHEDULE 80 BEND. AND PAD.
2. INSTALL 6' x 30' LOOP DETECTOR (3-6-3 TURNS).
3. INSTALL 1" LIQUID TIGHT NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
4. USE THE EXISTING HANDHOLE.
5. INSTALL 3" PVC SCHEDULE 80 CONDUIT- SLOTTED.
6. INSTALL 2" PVC SCHEDULE 80 CONDUIT - PUSHED.
7. INSTALL THE MICRO-LOOP TRIPLE PROBE SET (1,000 FT.).
8. DISCONNECT EXISTING LOOP DETECTORS.
9. INSTALL HANDHOLE.
10. INSTALL 2" PVC SCHEDULE 80 CONDUIT - TRENCHED.
11. INSTALL 2" PVC SCHEDULE 80 CONDUIT - SLOTTED.
12. INSTALL 4" PVC SCHEDULE 80 CONDUIT - TRENCHED.
13. INSTALL 21' (CUT DOWN FROM 27') MAST ARM POLE WITH 50' MAST ARM. FOUNDATION. GROUT. 2" PVC SCHEDULE 80 BEND. TWO (2) 3" PVC SCHEDULE 80 BENDS. SIGNAL HEADS (3). SIGNS. TWO (2) 3" WEATHERHEADS. TWO (2) 3" PVC SCHEDULE 80 RISERS. PEDESTRIAN SIGNALS. PUSHBUTTON. AND SIGN.
14. INSTALL 27' MAST ARM POLE WITH TWIN MAST ARMS (50' & 70' RESPECTIVELY). FOUNDATION. GROUT. 2" PVC SCHEDULE 80 BEND. SIGNAL HEADS (6). SIGNS. LUMINAIRE. AND 20' LIGHTING ARM.
15. INSTALL 27' MAST ARM POLE WITH 50' MAST ARM. FOUNDATION. GROUT. 2" PVC SCHEDULE 80 BEND. LUIMINAIRE. 10' LIGHTING BRACKET ARM. SIGNAL HEADS (3). AND SIGNS.
16. INSTALL 4" SIDEWALK.
17. INSTALL GROUND ROD IN EXISTING HANDHOLE.
18. INSTALL 2" PVC SCHEDULE 80 CONDUIT - TRENCHED (FOR FEED).
19. CAP AND ABANDON CONDUIT.
20. REMOVE EXISTING CONTROLLER WITH CABINET. MAST ARM POLE WITH MAST ARM. AND ALL ATTACHED EQUIPMENT. REMOVE EXISTING FOUNDATION 12" BELOW GRADE.
21. REMOVE MAST ARM POLE WITH MAST ARM. AND ALL ATTACHED EQUIPMENT. REMOVE THE EXISTING FOUNDATION 12" BELOW GRADE.
22. INSTALL 10' BREAKAWAY PEDESTAL POLE AND BASE. PEDESTAL SIGNALS. 2" PVC SCHEDULE 80 BEND. FOUNDATION. GROUT. PEDESTRIAN PUSHBUTTON. AND SIGN.
23. PROPOSED SERVICE FEED BY PEPCO.
24. EXISTING SERVICE FEED TO BE REMOVED BY PEPCO.
25. REMOVE THE EXISTING PEDESTAL POLE AND ALL ATTACHED EQUIPMENT.
26. INSTALL 5' (CUT DOWN FROM 10') BREAKAWAY PEDESTAL POLE AND BASE WITH FOUNDATION. 2" PVC SCHEDULE 80 BEND. PEDESTRIAN PUSHBUTTON. AND SIGN.
27. REMOVE THE EXISTING HANDHOLE.
28. PROPOSED TELEPHONE DROP BY C&P.
29. INSTALL PROPOSED 24" STOPLINE. REMOVE EXISTING STOPLINE.
30. INSTALL ADA RAMP.
31. INSTALL PROPOSED 24" CROSSWALK. REMOVE EXISTING CROSSWALK.

GENERAL NOTES

1. "D.O." DENOTES A DELAY-OUTPUT LOOP DETECTOR.
2. REVISION "E" IS A MODIFICATION TO WORK COMPLETED UNDER CONTRACT M 523-5-371. DATED 8/17/1982.
3. THE ORIGINAL TS-66 IS ON FILE.

UTILITY LEGEND

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

REVISIONS

E. 06/97 - AS BUILT: REBUILT SIGNAL & ADDED L.T.'S FOR E/B & W/B MD 28
SHA # 1834 GRS 9/1/97
D. 8/17/82 - REDRAWN
C. 8/24/74 - AS BUILT
B. 12/27/72 - AS BUILT

KM | KB | DD JS

APPROVALS

ASST. DIVISION CHIEF, TECD
ORIGINAL
ASST. DISTRICT ENGINEER, TRAFFIC
ON
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
FILE
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

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

MD. 28 AND BALTIMORE ROAD

SIGNAL NO. 150028023.15 DATE 8/17/1982

DRAWN BY: K. MASEK	F.A.P. NO.		PLAN SHEET NO.:	SHEET NO.
DES. BY: K. MASEK	S.H.A. NO.	M 523-5-371	TS-66 (E)	1 OF 2
CHECK BY: WF	COUNTY	MONTGOMERY		
SCALE: 1" = 20'				

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