EXISTING SIGNS

20,22,23,24 — R4-7 (36"X48") @15°

R1-1 (36"X36") TO BE REMOVED

MD 124 IS ASSUMED TO RUN IN AN NORTH/SOUTH DIRECTION

PROPOSED SIGNS

15,16 — D3-2 (VAR. X 32"): ← Rickenbacker DR 7500 ; Cypress Hill → DR 7300

17,18 — D3-2 (VAR. X 32"): ← Cypress Hill DR 7300 ; Rickenbacker → DR 7500

25, 26, 27, 28 — NORTH / SOUTH MARYLAND 124 (30"X51") (48"X75") (30"X51") (48"X75")

19,21 — NEW — W3-3 (36"X36")

PROPOSED SIGNALS

1-10 — R Y G 12"

11-14 — 12"

OVERHEAD DETECTION

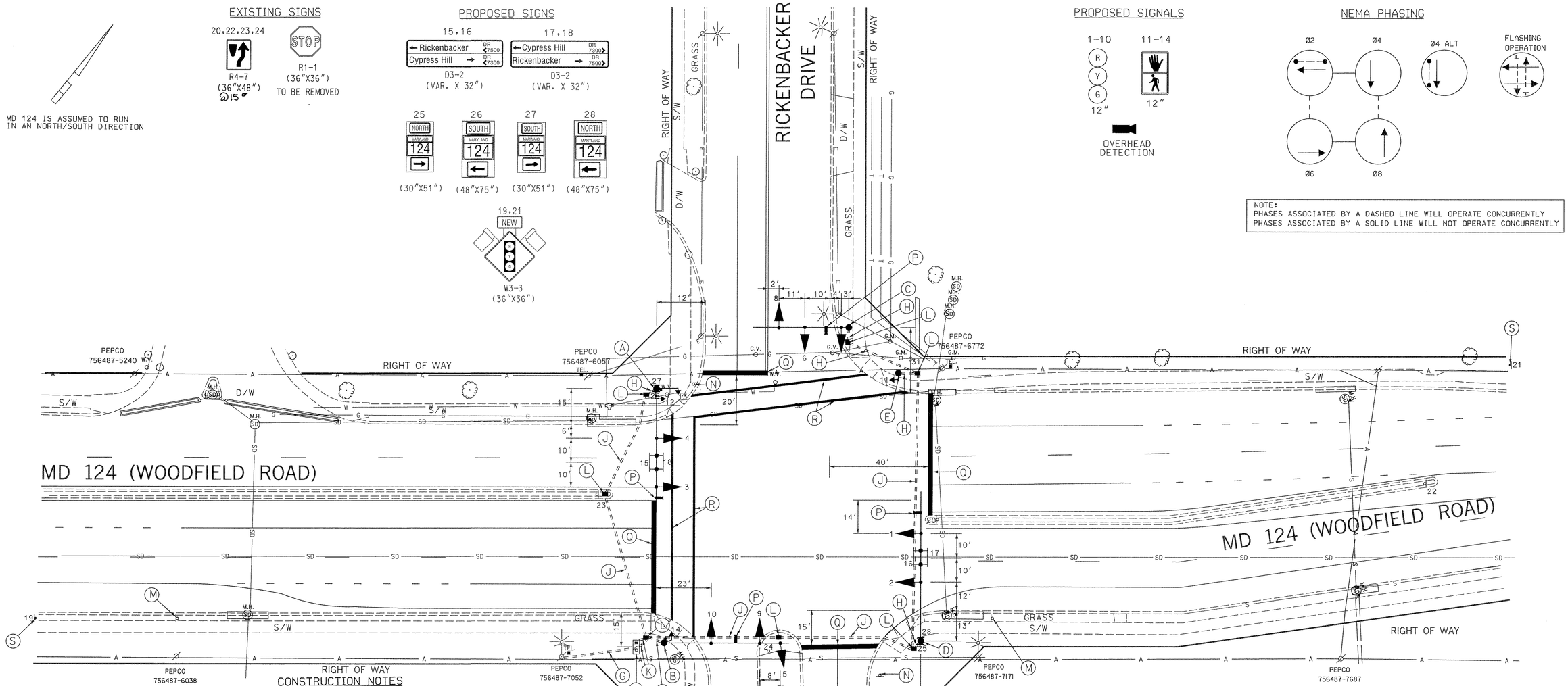
NEMA PHASING

Ø2 Ø4 Ø6 Ø8

Ø4 ALT

FLASHING OPERATION

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



CONSTRUCTION NOTES

A. INSTALL CONCRETE FOUNDATION WITH A 21 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM, SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNALS WITH PUSH BUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-1¾ IN. X 90 IN. ANCHOR BOLTS.)

B. INSTALL CONCRETE FOUNDATION WITH A 21 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM, SIGNAL HEADS, PEDESTRIAN SIGNAL WITH PUSH BUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-1¾ IN. X 90 IN. ANCHOR BOLTS.)

C. INSTALL CONCRETE FOUNDATION WITH A 21 FT. STEEL POLE WITH SINGLE 38 FT MAST ARM WITH SIGNAL HEADS. (NOTE ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-1½ IN X 60 IN. ANCHOR BOLTS.)

D. INSTALL CONCRETE FOUNDATION WITH A 21 FT. STEEL POLE WITH SINGLE 60 FT. MAST ARM, SIGNAL HEADS AND SIGNS. (NOTE: ONE-3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR- 2 IN. X 90 IN. ANCHOR BOLTS).

E. INSTALL CONCRETE FOUNDATION WITH A 10 FT. STEEL PEDESTAL POLE WITH PEDESTRIAN SIGNAL HEAD. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR-1 IN. X 40 IN. ANCHOR BOLTS.)

F. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH CONTROL AND DISTRIBUTION EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO-4 IN. PVC, ONE- 3 IN. PVC, AND ONE-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).

G. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED

H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT- TRENCHED.

J. INSTALL A 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT- SLOTTED.

K. INSTALL A 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT- TRENCHED.

L. INSTALL HANDHOLE.

M. REMOVE EXISTING GROUND MOUNTED SIGN AND POST.

N. REMOVE EXISTING R1-1 AND GROUND MOUNTED STREET NAME SIGNS AFTER SIGNAL IS OPERATIONAL.

O. INSTALL 5 IN. WHITE REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING.

P. INSTALL OVERHEAD VIDEO DETECTION.

Q. INSTALL 24 IN. WHITE, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE FOR STOP LINE.

R. INSTALL 12 IN. WHITE, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING.

S. INSTALL GROUND MOUNTED W3-3 600 FT. FROM STOP LINE.

GENERAL NOTES

1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS.
2. LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO PAVEMENT MARKINGS. (NOTE: ALL LOOP DETECTORS SHALL BE PLACED 1' BEHIND STOP LINE)
3. CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS, PRIOR TO INSTALLATION.
4. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE OBLITERATED.
5. ALL EXISTING R4-7 SIGNS SHALL BE ROTATED AT A 15 DEGREE ANGLE TOWARDS ON COMING TRAFFIC.
6. CONTRACTOR SHALL PROVIDE 35 LF OF SLACK IN THE POWER CABLES AT THE BASE OF THE PEPCO POWER POLE NO. 756487-7052 (SOUTHEAST QUADRANT).
7. THE CONTRACTOR SHALL COORDINATE WITH THE GAITHERSBURG SHOP IN REFERENCE TO RE-STRIPPING THE TWO THROUGH LANES ON MD 124 (NORTHBOUND).

GEOMETRIC LEGEND

EXISTING

UTILITY LEGEND

SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

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

MD 124 (WOODFIELD ROAD) AND
CYPRESS HILL DRIVE /RICKENBACKER DRIVE

DRAWN BY:	J.ALLEN Jr.	F.A.P. NO.		TS NO. 4104	SHEET NO.
CHECKED BY:	S.RENZI	S.H.A. NO.	M0619175		
SCALE:	1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO. E364	1 OF 3
DATE:	MAY, 2001	LOG MILE:			

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