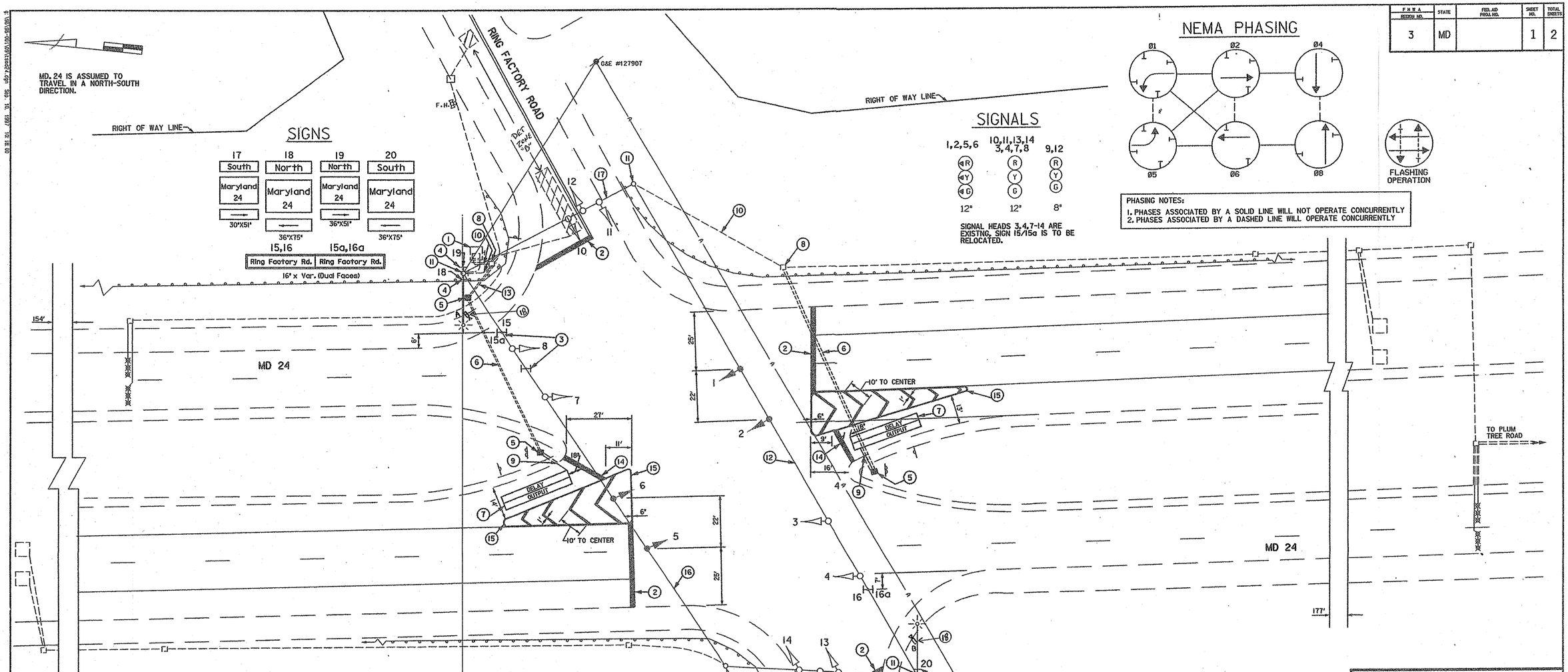
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD		1	2



CONSTRUCTION DETAILS:

1. USE EXISTING CONTROLLER & CABINET FOR THIS REVISION - TWO NEMA LOAD SWITCHES ARE REQUIRED AND THE EXISTING AMPLIFIERS NEED TO BE RETROFITTED
2. REMOVE EXISTING STOP LINES AND INSTALL NEW STOP LINES IN THE SAME LOCATION OR AS INDICATED.
3. RELOCATE EXISTING D3-2 SIGN TO NEW PROPOSED LOCATION.
4. INSTALL SHIELD ASSEMBLY SIGNS TO EXISTING STRUCTURE.
5. INSTALL ELECTRICAL HANDHOLE, AVOIDING EXISTING SIGNS
6. INSTALL 2" ELECTRICAL CONDUIT PVC SCHEDULE 80-BORED.
7. INSTALL 6'X30' (3-6-3) LOOP DETECTOR ENCASED IN 1/4" DIA. FLEXIBLE TUBING.
8. USE EXISTING HANDHOLES, CLEAN AND REPAIR IF NECESSARY.
9. INSTALL 1" ELECTRICAL CONDUIT GALVANIZED SLEEVE.
10. USE EXISTING CONDUIT - REMOVE OLD CABLES AND REOPEN ENDS IF REQUIRED.
11. USE EXISTING POLE, ADJUST SPAN ATTACHMENT IF NECESSARY TO MAINTAIN PROPER CLEARANCES.
12. USE EXISTING SPAN WIRE, INSTALL SIGNAL HEADS AS INDICATED.
13. INSTALL 2" ELECTRICAL CONDUIT PVC SCHEDULE 80-TRENCHED.
14. INSTALL NEW 24" STOP LINE.
15. INSTALL PAINTED ISLAND (6" LINES, 12" HATCHES) AS INDICATED.
16. INSTALL NEW SIGNAL HEADS AS INDICATED, RE-RING SPAN WIRE IF NECESSARY.
17. USE EXISTING SPAN WIRE, RE-RING IS NECESSARY.
18. DETECTOR CAMERA ADDED IN LIEU OF LOOPS DUE TO MILLING

GENERAL NOTES:

1. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
2. D.O. REPRESENTS DELAYED OUTPUT.
3. PROPER 17' TO 19' CLEARANCES SHALL BE MAINTAINED FROM THE BOTTOM OF THE SIGNAL HEADS TO THE CROWN OF THE PAVEMENT.
4. REVISION 'E' IS A REVISION TO THE TRAFFIC SIGNAL BUILT IN JUNE 1987 UNDER S.H.A. NO. H-520-501 470 P.
5. THE INTERNAL WIRING TO THE EXISTING CONTROLLER SHALL BE PERFORMED BY THE ADMINISTRATION. CONTACT MR. ED RODENHIZER AT 410-787-7652, SEVENTY-TWO (72) HOURS IN ADVANCE OF THE INTENDED WORK.

UTILITY LEGEND

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

GEOMETRIC LEGEND

- - - - - -	EXISTING GEOMETRICS
———	PROPOSED GEOMETRICS

APPROVALS	REVISIONS
ASST. DIVISION CHIEF, TEDD	E 7-5-95 Revise for video detection for Ring Factory Rd.
ASST. DISTRICT ENGINEER, TRAFFIC	C. REVISED EQUIPMENT LOCATION 3/87
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	W.R SR DAZ ETP TH D. ADD INTERCONNECT EXCLUSIVE 9/97
DIRECTOR, OFFICE OF TRAFFIC & SAFETY	RS E. ADD SB/NB LEFT TURNS AW278A54 SHA. 4 AD 278A54

PHOENIX ENGINEERING, INC.
CONSULTING ENGINEERS
613 MAIDEN CHOICE LANE, SUITE 300
BALTIMORE, MARYLAND 21228
(410) 247-8833 FAX 247-9397

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD. 24 @ RING FACTORY RD.

DRAWN BY: B. THOMPSON	F.A.P. NO.	PLAN SHEET NO.: TS-478E	SHEET NO.
CHECK BY: C.K. DODGE	S.H.A. NO. B 368X-000-485		1 OF 2
SCALE: 1"=20'	COUNTY HARFORD		

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