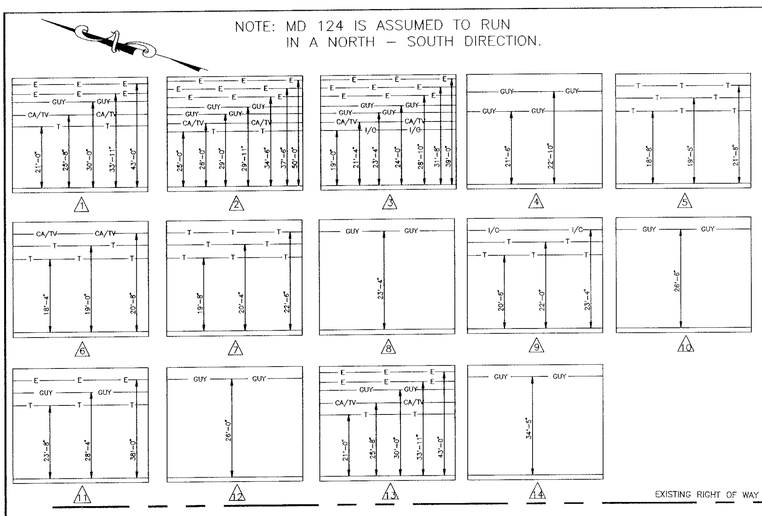
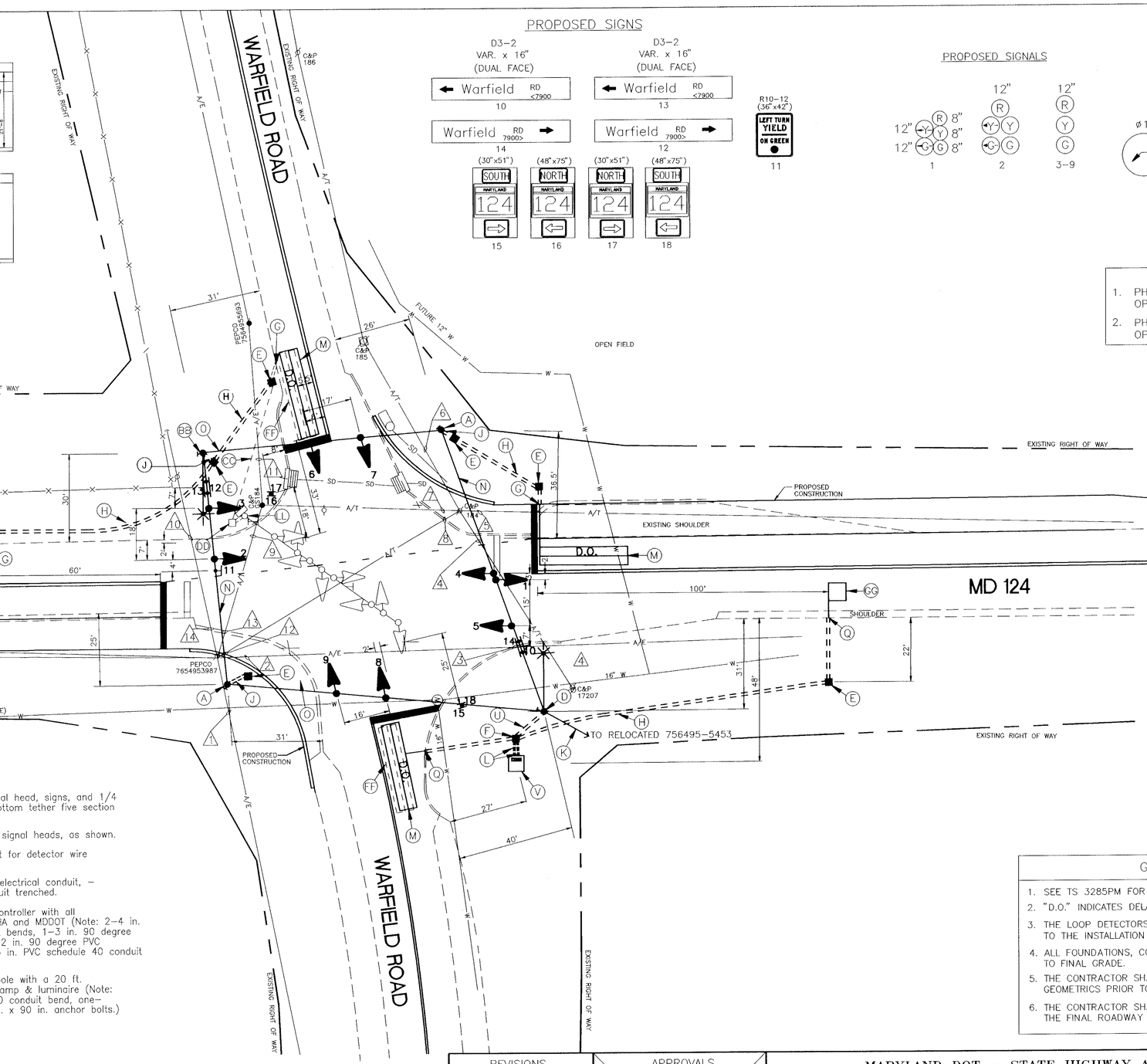
F H W A REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

NOTE: MD 124 IS ASSUMED TO RUN IN A NORTH – SOUTH DIRECTION.

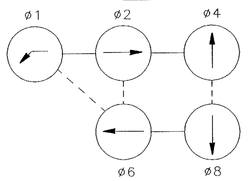




PROPOSED SIGNS

PROPOSED SIGNALS

NEMA PHASING



FLASHING OPERATION

PHASING NOTES

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

CONSTRUCTION DETAILS

A. Install 12 in. x 30 ft steel strain pole, (Note: 1–3 in. 90 degree PVC conduit bend, one–3 in. weatherhead and 4–1 3/4 in. x 90 in. anchor bolts).

D. Install 12 in. x 30 ft steel strain pole with a 20 ft lighting arm and 250 watt HPS lamp & luminaire (Note: 2–3 in. 90 degree PVC schedule 40 conduit bends, 1–2" schedule 80 PVC bend, 4–1 3/4 in. x 90 in. anchor bolts and 1–3 in. weatherhead)

E. Install handhole

F. Install handhole (Alternate Bricked)

G. Install 1 in. liquid tight flexible non–metallic conduit sleeve for detector lead–in.

H. Install 2 in. PVC schedule 40 electrical conduit – trenched/buried

J. Install 3 in. PVC schedule 40 electrical conduit – trenched/buried

K. Overhead Power Service via relocated pepco pole No. 756495–5453.

L. Install two 4 in. PVC schedule 40 electrical conduit and one 2" in. PVC schedule 80 conduit – trenched/buried.

M. Install 6 ft x 30 ft quadrupole loop detector. (Note: 2–4–2 turns)

N. Install 3/8 in. steel span wire, signal head, signs, and 1/4 in. tether wire as shown. (NOTE: bottom tether five section signal heads & R10–12 sign.

O. Install 3/8 in. steel span wire and signal heads, as shown.

Q. Install 1 in. galvanized steel conduit for detector wire sleeve.

U. Install two–3 in. PVC schedule 40 electrical conduit, – and one 2" PVC schedule 80 conduit trenched.

V. Install base mounted cabinet and controller with all necessary equipment required by SHA and MDDOT (Note: 2–4 in. 90 degree PVC schedule 40 conduit bends, 1–3 in. 90 degree PVC schedule 40 conduit bends, 1–2 in. 90 degree PVC schedule 80 conduit bend, and 1–3 in. PVC schedule 40 conduit bend – stub out).

BB. Install 12 in. x 30 ft steel strain pole with a 20 ft. lighting arm and a 250 watt HPS lamp & luminaire (Note: 1–3 in. 90 degree PVC schedule 40 conduit bend, one–3 in. weatherhead, and 4–1 3/4 in. x 90 in. anchor bolts.)

CC. Abandon existing conduit.

DD. Remove existing handhole.

FF. Abandon existing loop detector

GG. Install 6 ft x 6 ft loop detector (3 turns)

LL. Remove existing mast arm pole, signal heads, signs, and pole mounted controller and cabinet. Prior to removal, refer to general information sheet for addition details.

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

GENERAL NOTES

1. SEE TS 3285PM FOR PAVEMENT MARKING DETAILS.
2. "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
3. THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
4. ALL FOUNDATIONS, CONDUIT AND HANDHOLES SHALL BE INSTALLED TO FINAL GRADE.
5. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING ANY TRAFFIC SIGNAL EQUIPMENT.
6. THE CONTRACTOR SHALL INSTALL ALL LOOP DETECTORS PRIOR TO THE FINAL ROADWAY SURFACE.

REVISIONS

B	4/95	RECONSTRUCT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS. (SHA No. 709-201-376)	
CMP/DCI		BCK	MPH

APPROVALS

CHIEF, SIGNAL DESIGN SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC

ORIGINAL ON FILE

DCI CONSULTING ENGINEERS COLUMBIA, MARYLAND

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

ORIGINAL DRAWN BY: AL MAWRY (DCI)
DES. BY: R. GORDON/AMADI (DCI)
CHK. BY: R. GORDON

MD 124 @ WARFIELD ROAD

LOG # 15012410.23 COUNTY: MONTGOMERY

DATE: AUGUST 25, 1993 F.A.P. NO.
SCALE: 1"=20' S.H.A. NO. M 714-509-385

TS/FILE NO. 3285 B

SHEET NO. ___ OF ___

CADFILE:MD124WAR.DWG