MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS

21A Morningwood DR 3400
21B Morningwood RD 3400
D-3(1) 16"X96" DUAL FACED SPAN MOUNTED

25 NORTH MARYLAND 97 SOUTH 24"X78" M95-1 SPAN MOUNTED W/ TEATHER

22,24 LEFT TURN YIELD ON GREEN

R10-12 30" x 36"

ONLY ONLY ONLY (REMOVED) REPLACED BY SIGNS 26,31,32

23A Spartan RD 3400
23B Spartan RD 3400
D-3(1)

28 NORTH MARYLAND 97
29 SOUTH MARYLAND 97
ASSOCIATED SHIELD ASSEMBLIES POLE MOUNTED

36,37 R4-7 24" x 30"

34 JCT MARYLAND 108

27 R3-4 30" x 30"

35 ONE WAY M6-1 21" x 15"

PROPOSED SIGNS

30,33,31 ONLY R3-5L (30" X 36")

26,32 R3-6 (30" X 36")

36 ONLY ONLY R3-8 MODIFIED (30" X 48")

EXISTING BLACK FACED SIGNALS

1,2,4,5 — R Y G — 12"
3,6 9,12 — R Y G — 12"
13-20 — 12"

PROPOSED BLACK FACED SIGNALS

9,12 — R Y G — 12"
7,8 10,11 — R Y G — 12"

EXISTING PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø3 ALT Ø4 ALT

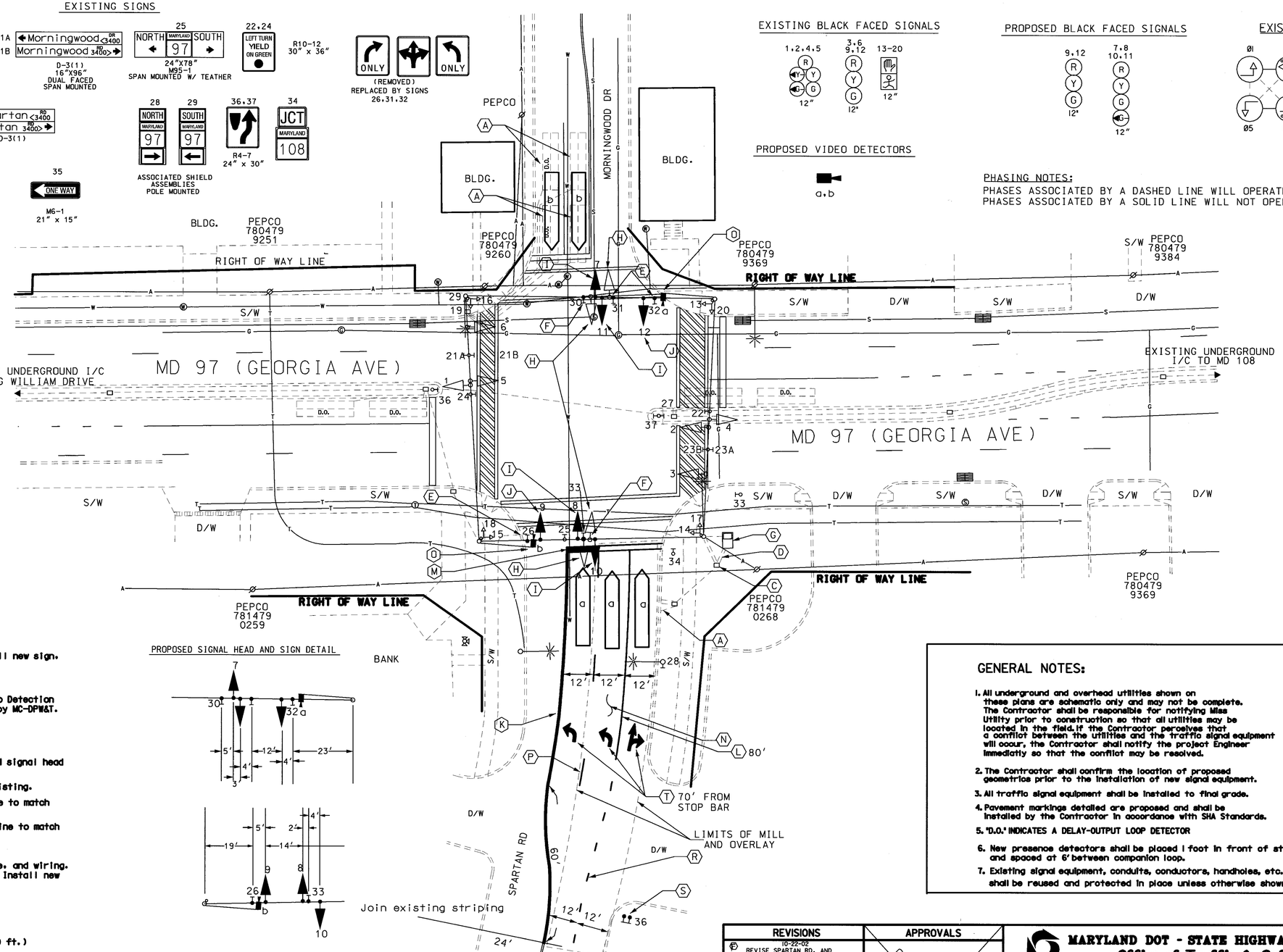
FLASHING OPERATION

PROPOSED VIDEO DETECTORS

a,b

PHASING NOTES:

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



PROPOSED SIGNAL HEAD AND SIGN DETAIL

CONSTRUCTION DETAILS

A. Abandon existing loop detector.

B. Remove existing span wire mounted sign.

C. Use existing handhole.

D. Use existing conduit.

E. Remove existing span wire mounted sign and install new sign, adjusted as shown.

F. Install new span wire mounted sign as shown.

G. Modify existing base mounted controller for Video Detection System. All internal wiring shall be conducted by MC-DPW&T.

H. Remove existing signal head.

I. Install new black faced signal head as shown.

J. Replace existing signal head with new black faced signal head in same location as shown.

K. Install 5" double yellow center line to match existing.

L. Install 5" white reflective pavement marking line to match existing.

M. Install 24" white reflective thermoplastic stopline to match existing.

N. Mill 1½" and overlay limits shown.

O. Install Video Detection Unit, associated hardware, and wiring. Detectioin area to cover each approaching lane. Install new video detection cable to controller.

P. Install 5" white reflective thermoplastic pavement markings (10' skips, 30' spacing.

Q. Omitted

R. Install 5" white reflective thermoplastic pavement markings (3' skips, 9' spacing, for 100 ft.)

S. Install new ground mounted sign, as shown.

T. Install white thermoplastic pavement marking symbol as shown.

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

GENERAL NOTES:

1. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the Project Engineer immediatly so that the conflict may be resolved.
2. The Contractor shall confirm the location of proposed geometrics prior to the installation of new signal equipment.
3. All traffic signal equipment shall be installed to final grade.
4. Pavement markings detailed are proposed and shall be installed by the Contractor in accordance with SHA Standards.
5. "D.O." INDICATES A DELAY-OUTPUT LOOP DETECTOR
6. New presence detectors shall be placed 1 foot in front of stopline and spaced at 6' between companion loop.
7. Existing signal equipment, conduits, conductors, handholes, etc. shall be reused and protected in place unless otherwise shown.

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REVISIONS			
E	10-22-02 REVISE SPARTAN RD. AND MORNINGWOOD RD. LANE USE		
D	UPGRADE TO BLACK FACED HEADS TIMS# E597		6/01
CJS			
C	6-27-97 SPLIT SIDE STREETS, ADD DUAL WB LT		
RRZ			
B	3-9-94 INSTALL N.B. E/P LEFT TURN PHASING		
DJD			

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

TRAFFIC SIGNAL MODIFICATION PLAN
MD 97 (GEORGIA AVE.) AND SPARTAN RD / MORNINGWOOD DR

DRAWN BY:	WTB	F.A.P. NO.		TS NO. 2452 F	SHEET NO.
CHECKED BY:	CT	S.H.A. NO.	---		
SCALE:	1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO. F248	1 OF 2
DATE:	12/19/02	LOG MILE:	1500971I.70		