Spartan road is assumed to run in a North - South direction.

EXISTING SIGNS

R10-12 (30" X36") LEFT TURN YIELD ON GREEN	R4-7 (30" X36")	R3-5R (30" X36") ONLY	R3-5L (30" X36") ONLY
22,24	30,31, 27 (REMOVED)	28,32	26, 25 (RELOCATED)

23a	23b	21a	21b
Spartan Rd<3300	Spartan Rd<3300	Spartan Rd<3200	Spartan Rd<3200
D3-2 VARIABLE x 16" (DUAL FACE)		D3-2 VARIABLE x 16" (DUAL FACE)	

PROPOSED SIGNS

R3-5R (30" X36") ONLY	R3-8 MODIFIED (30" X48") ONLY ONLY	R4-7 (30" X36")
33	34	35

EXISTING SIGNAL HEADS

8" R Y G — 10

12" R Y G — 3,6,11,12

12" R Y G, 8" R Y G — 1,4

12" R Y G — 2,5

12" — 13-20

PROPOSED BLACK FACED SIGNAL HEADS

8" R Y G — 7

12" R Y G — 8,9

PROPOSED VIDEO DETECTORS

a

EXISTING PHASING

Ø1 Ø2 Ø4 Ø4 ALT.

Ø5 Ø6 Ø8 Ø8 ALT.

FLASHING OPERATION

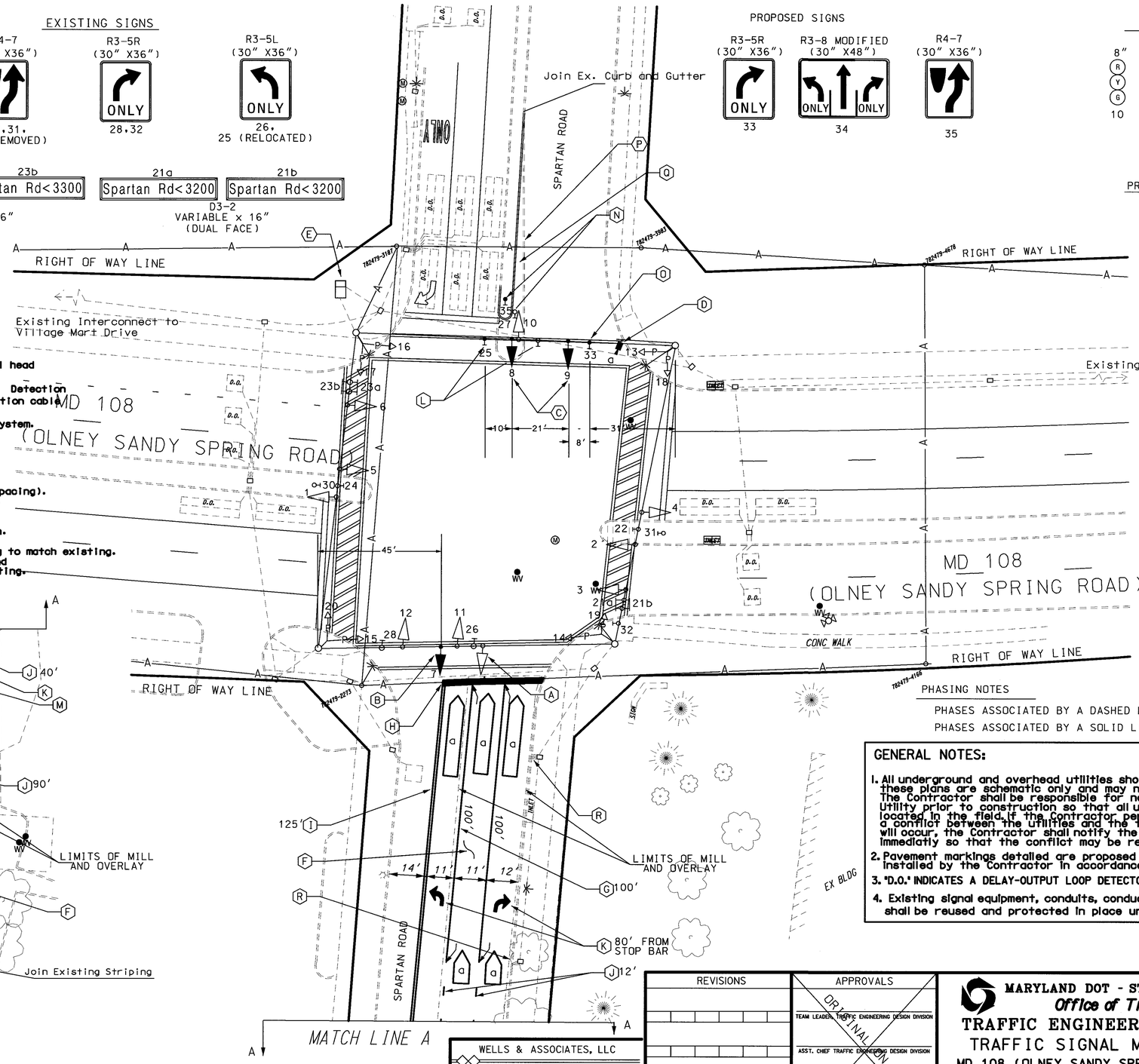
PHASING NOTES

PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

CONSTRUCTION DETAILS

A. Remove existing traffic signal head.
B. Install new black faced traffic signal head as shown.
C. Remove existing signal head and install new black faced signal head in same location, as shown.
D. Install Video Detection Unit, associated hardware and wiring. Detection area to cover each approaching lane. Install new video detection cable to controller
E. Modify existing base mounted controller for Video Detection System. All internal wiring shall be conducted by MC-DPW&T.
F. Mill 1½" and overlay as shown.
G. Install 5" white thermoplastic pavement marking as shown.
H. Install 24" white thermoplastic stopline as shown.
I. Install 5" yellow double line pavement marking as shown.
J. Install 5" white thermoplastic pavement markings (3' and 9' spacing).
K. Install white thermoplastic pavement marking symbol as shown.
L. Relocate existing spanwire mounted sign as shown.
M. Install ground mounted sign and post as shown.
N. Remove existing ground mounted sign and install new, as shown.
O. Install new spanwire mounted sign as shown.
P. Remove existing concrete island and install full depth paving to match existing.
Q. Install Montgomery County Standard Type A combination curb and gutter (MC#100.01), length as shown, and width to match existing.
R. Abandon existing loop detectors.



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. Pavement markings detailed are proposed and shall be installed by the Contractor in accordance with SHA Standards.
3. "D.O." INDICATES A DELAY-OUTPUT LOOP DETECTOR
4. Existing signal equipment, conduits, conductors, handholes, etc. shall be reused and protected in place unless otherwise 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
D D	DRAINAGE
D	DRAINAGE(MAIN)

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
A ADD SEPARATE LEFT TURN LANE, UPGRADE TO BLACK FACED HEADS, AND INSTALLATION OF VIDEO DETECTION FOR NORTHBOUND APPROACH 10/23/02	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

WELLS & ASSOCIATES, LLC
TRANSPORTATION, TRAFFIC, AND PARKING CONSULTANTS
1420 Spring Hill Rd., Suite 600
McLean, VA 22102
Phone: (703) 917-6620 Fax: (703)917-0739
170 Jennifer Rd., Suite 260
Annapolis, MD 21401
Phone: (301) 970-2402 Fax: (410)266-9189

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL MODIFICATION PLAN
MD 108 (OLNEY SANDY SPRING ROAD)& SPARTAN ROAD

DRAWN BY: JAW	F.A.P. NO. ---	TS NO. TS-2503A	SHEET NO.
CHECKED BY: CT/WTB	S.H.A. NO. ---		
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. F248	1 OF 2
DATE: 12/18/02	LOG MILE: 15010813.67		