MD 192 IS ASSUMED TO RUN IN A EAST/WEST DIRECTION

EXISTING SIGNS

R3-5(R) (30"x36") — ONLY — 15

D3-2 (DUAL FACE) (16"x Var.) — Metropolitan AVE. 10500 — 16A; Metropolitan AVE. 10500 — 16

D3-2 (DUAL FACE) (16"x Var.) — Concord ST. 10600 — 17A; Concord ST. 10600 — 17

R3-5(L) (30"x36") — ONLY — 18

R3-6 MODIFIED (30"x36") — 19

R10-11b (24"x24") — NO TURN ON RED — 20

R10-3c (9"x 12") — 25,26

R10-3c (9"x 12") — 27,28

(30"x51") EAST 192 — 21; EAST 192 — 22; WEST 192 — 23; WEST 192 — 24

EXISTING SIGNALS

12" R Y G — 1,3,4; 12" R Y G — 6-8; 12" R Y G — 5; 12" R Y G — 2; 12" — 9-14

NEMA PHASING

Ø1 Ø2 Ø3 Ø4

Ø1 ALT Ø3 ALT FLASHING OPERATION

PHASING NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCCURENTLY.

PROPOSED SIGN

19

R3-6 (30" x 36")

9 LOOPS SERVICING THE INTERSECTION OF MD 185 AND MD 192

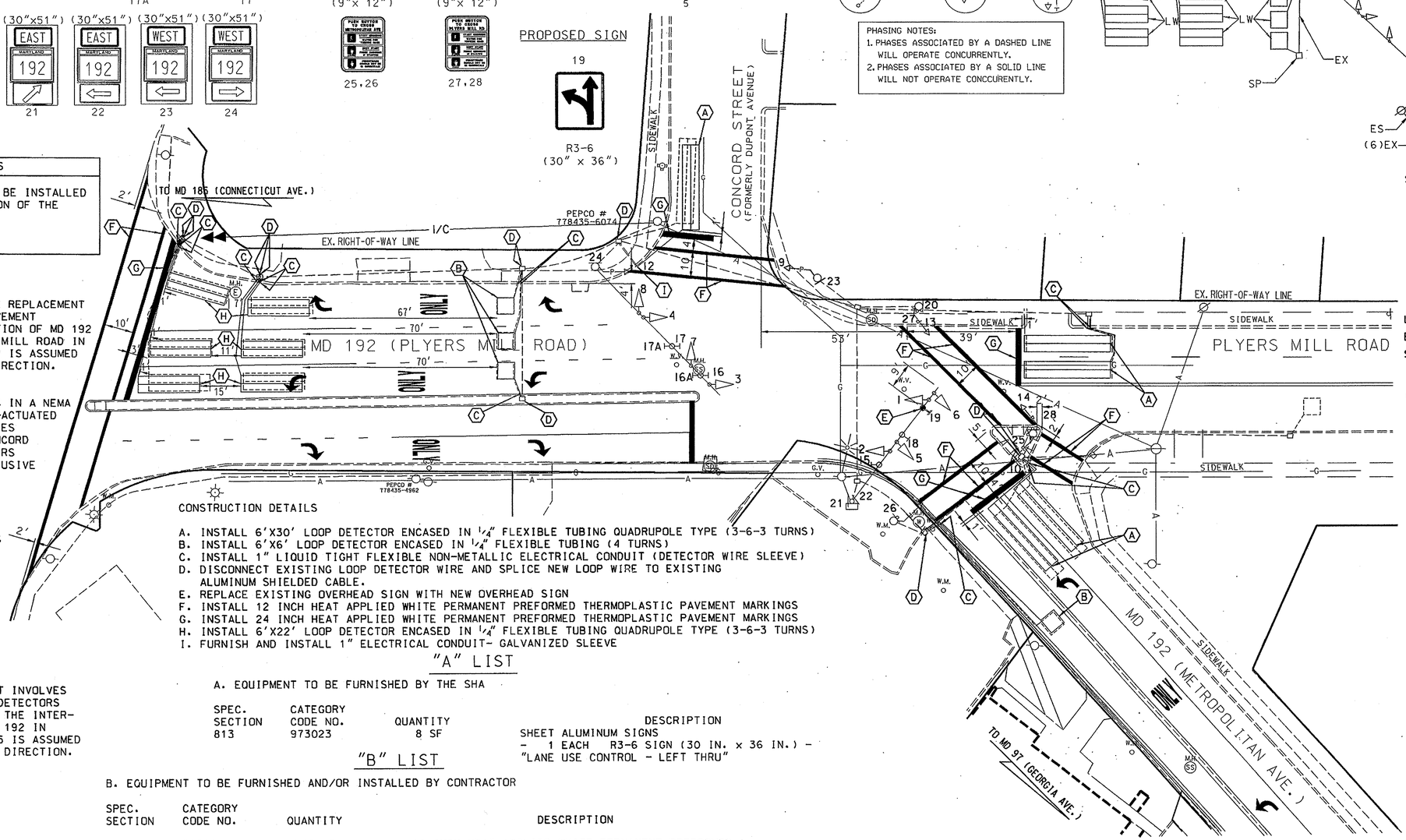
(6)EX (3)EX SP D.O. LW EX (2)EX ES

WIRING DIAGRAM

LW (3)EX (2)EX (6)EX ES SP

GENERAL NOTES

1. THE LOOP DETECTORS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.



WIRING KEY

LW - LOOP WIRE (NO. 14 A.W.G.)

ES - EXISTING SERVICE

SP - SPLICE NEW LOOP WIRE TO EXISTING 2-CONDUCTOR ALUMINUM SHIELDED CABLE

( )EX - EXISTING 2-CONDUCTOR ALUMINUM SHIELDED CABLE

NUMBER OF CABLES

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REPLACEMENT OF LOOP DETECTORS AND PAVEMENT MARKINGS AT THE INTERSECTION OF MD 192 AND CONCORD DRIVE/PLYERS MILL ROAD IN MONTGOMERY COUNTY. MD 192 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION:
THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, SEMI-TRAFFIC-ACTUATED MODE WITH MD 192 APPROACHES RUNNING CONCURRENTLY. CONCORD STREET AND WESTBOUND PLYERS MILL ROAD OPERATE IN EXCLUSIVE PHASES.

CONTROLLER REQUIREMENTS:
NO CHANGES

PHASING CHART: NO CHANGES

CONSTRUCTION DETAILS

A. INSTALL 6'X30' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING QUADRUPOLE TYPE (3-6-3 TURNS)
B. INSTALL 6'X6' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING (4 TURNS)
C. INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE)
D. DISCONNECT EXISTING LOOP DETECTOR WIRE AND SPLICE NEW LOOP WIRE TO EXISTING ALUMINUM SHIELDED CABLE.
E. REPLACE EXISTING OVERHEAD SIGN WITH NEW OVERHEAD SIGN
F. INSTALL 12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
G. INSTALL 24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
H. INSTALL 6'X22' LOOP DETECTOR ENCASED IN 1/4" FLEXIBLE TUBING QUADRUPOLE TYPE (3-6-3 TURNS)
I. FURNISH AND INSTALL 1" ELECTRICAL CONDUIT- GALVANIZED SLEEVE

SPECIAL NOTE:

IN ADDITION, THIS PROJECT INVOLVES THE REPLACEMENT OF LOOP DETECTORS AND PAVEMENT MARKINGS AT THE INTERSECTION OF MD 185 AND MD 192 IN MONTGOMERY COUNTY. MD 185 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

"A" LIST

A. EQUIPMENT TO BE FURNISHED BY THE SHA

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
813	973023	8 SF	SHEET ALUMINUM SIGNS - 1 EACH R3-6 SIGN (30 IN. x 36 IN.) - "LANE USE CONTROL - LEFT THRU"

"B" LIST

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

SPEC. SECTION	CATEGORY CODE NO.	QUANTITY	DESCRIPTION
-	585620	590 LF	12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
-	585624	130 LF	24 INCH HEAT APLLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
813	801706	8 SF	REMOVE SIGNS FROM EXISTING OVERHEAD STRUCTURE
805	805160	80 LF	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
813	813015	8 SF	INSTALL OVERHEAD SIGN
810	862101	5005 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
815	862102	1580 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
805	805011	10 LF	1 INCH ELECTRICAL CONDUIT-GALVANIZED SLEEVE

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

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REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
A RECUT LOOPS DUE TO PAVEMENT RESURFACING SHA NO. M077751 8/31/2000	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

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

SIGNAL PLAN
MD 192 @ CONCORD STREET/PLYERS MILL ROAD

DRAWN BY: SMH	F.A.P. NO. N/A	TS NO. 3571A	SHEET NO.
CHECKED BY: DLA	S.H.A. NO. M077751B4	T.I.M.S. NO. D564	31 OF 45
SCALE: 1" = 20'	COUNTY: MONTGOMERY		
DATE: AUGUST, 2000	LOG MILE: 15019200.29		