MD 542 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS

30, 31, 37, 38, 43, 44 — R3-5L (30" X 36")
33 — R3-5R (30" X 36")
35 — SOUTH MARYLAND 542 — ASSOCIATED SHIELD ASSEMBLY (30" X 51")
36 — NORTH MARYLAND 542 — ASSOCIATED SHIELD ASSEMBLY (48" X 75")
41 — NORTH MARYLAND 542 — ASSOCIATED SHIELD ASSEMBLY (30" X 51")
42 — SOUTH MARYLAND 542 — ASSOCIATED SHIELD ASSEMBLY (48" X 75")
27, 28, 29, 32 — Joppa RD — D-3(1) (DUAL FACED) (VARIABLE x 16")
34, 39, 40, 45 — Loch Raven BLVD — D-3(1) (DUAL FACED) (VARIABLE x 16")

EXISTING SIGNAL HEADS

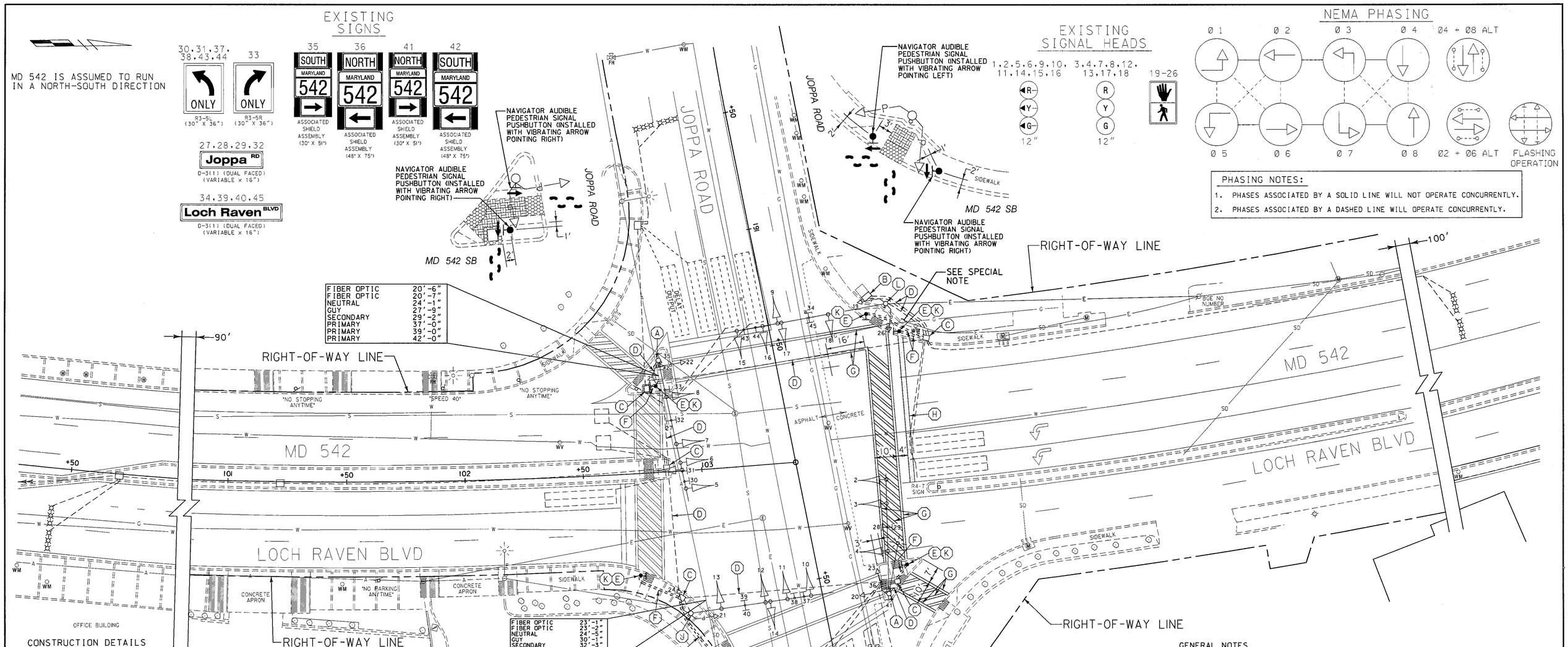
1, 2, 5, 6, 9, 10, 11, 14, 15, 16 — R Y G — 12"
3, 4, 7, 8, 12, 13, 17, 18 — R Y G — 12"
19-26

NEMA PHASING

Ø 1, Ø 2, Ø 3, Ø 4, Ø4 + Ø8 ALT, Ø 5, Ø 6, Ø 7, Ø 8, Ø2 + Ø6 ALT, FLASHING OPERATION

PHASING NOTES:

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



CONSTRUCTION DETAILS

A. USE EXISTING STEEL POLE AND INSTALL 2-WIRE NAVIGATOR AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTON WITH 9 IN. x 12 IN. SIGN SIZE, BLACK FACE PLATE OPTION 'A' AND BRAILLE TEXT. REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND SIGN.
B. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. INSTALL CENTRAL CONTROL UNIT.
C USE EXISTING HANDHOLE.
D. USE EXISTING CONDUIT.
E. INSTALL 10 FT. BREAKAWAY PEDESTAL POLE (CUT ABOVE PEDESTRIAN SIGNAL PUSHBUTTON) WITH 2-WIRE NAVIGATOR AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTON WITH 9 IN. x 12 IN. SIGN SIZE, BLACK FACE PLATE OPTION 'A' AND BRAILLE TEXT. (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
F. REMOVE EXISTING SIDEWALK. INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) AND REPLACE SIDEWALK. THE CONTRACTOR SHALL USE CAUTION WHEN INSTALLING CONDUIT TO AVOID DAMAGE TO EXISTING BRICKS.
G. INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
H. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
J. REMOVE EXISTING PEDESTRIAN SIGNAL PUSHBUTTON ON STEEL POLE.
K. CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
L. USE EXISTING STEEL POLE AND REMOVE EXISTING PEDESTRIAN PUSHBUTTON (COVER EXISTING DRILLED HOLE FOR WIRING) AND SIGN.

GENERAL NOTES

1. THE CONTRACTOR SHALL PURCHASE AND DELIVER 2-WIRE NAVIGATOR AUDIBLE PEDESTRIAN SIGNAL PUSHBUTTON AND CENTRAL CONTROL UNIT TO SHA SIGNAL SHOP AT 7491 CONNELLEY DRIVE, HANOVER, MD 21076 TO TEST AND ASSEMBLE THE UNITS AND RECORD AUDIBLE MESSAGE. THE CONTRACTOR SHALL CONTACT MR. EDWARD RODENHIZER AT (410) 787-7652 AT LEAST THREE (3) DAYS IN ADVANCE OF DELIVERY.
2. 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 THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
4. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	SS
STORM DRAIN	SD
WATER	W
CABLE TV	TV

SPECIAL NOTE:

CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.

WR&A
Whitman, Requardt and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

REVISIONS

B	INSTALL AUDIBLE PEDESTRIAN PUSHBUTTONS CONTRACT NO. AT3575185	5/19/04
SRB	NML	
A	RELOCATE TRAFFIC SIGNAL POLE CONTRACT NO. BA3225183 ADDENDUM NO. 1	MAY 11, 2000
NML		
A	RECONSTRUCT TRAFFIC SIGNAL DUE TO GEOMETRIC IMPROVEMENTS CONTRACT NO. BA3225183	03/00
NML		

APPROVALS

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

ORIGINAL ON FILE

SHA#: BA4455A00008 TOD#: AT3567-32

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 542 (LOCH RAVEN BLVD.) AND JOPPA RD.

DRAWN BY: BRUCE THOMPSON	F.A.P. NO.	TS NO. TS-2015B	SHEET NO.
CHECKED BY: DENNIS DODA	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: BALTIMORE	T.I.M.S. NO. F996	2 OF 3
DATE: 9-26-84	LOG MILE:		

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