MD 26 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED SIGNS

14,24 — Ridge RD — D-3(1) (DUAL FACED) (VARIABLE x 16")

26,30,32,36 — Liberty RD — D-3(1) (DUAL FACED) (VARIABLE x 16")

17,23,29,35 — LEFT TURN YIELD ON GREEN — R10-12 (36" X 42")

25 — ONLY — R3-5R (30" X 36")

31 — 26 Liberty Road NEXT SIGNAL — D-3(3) MODIFIED (WHITE ON GREEN) (6 FT. X 4 FT. - SEE SIGN DETAIL SHEET TSP-2)

EXISTING SIGNS

18,20 — Ridge RD — D-3(1) (DUAL FACED) (VARIABLE x 16")

EXISTING SIGNALS TO BE REMOVED

2A,3A,9A,8A

PROPOSED SIGNALS

1,4,7,10 — 12"/8"

2,5,8,11 — 12"

3,6,9,12 — 12"

NEMA PHASING

Ø1 Ø2 Ø3 Ø4

Ø5 Ø6 Ø7 Ø8

FLASHING OPERATION

PHASING NOTES:

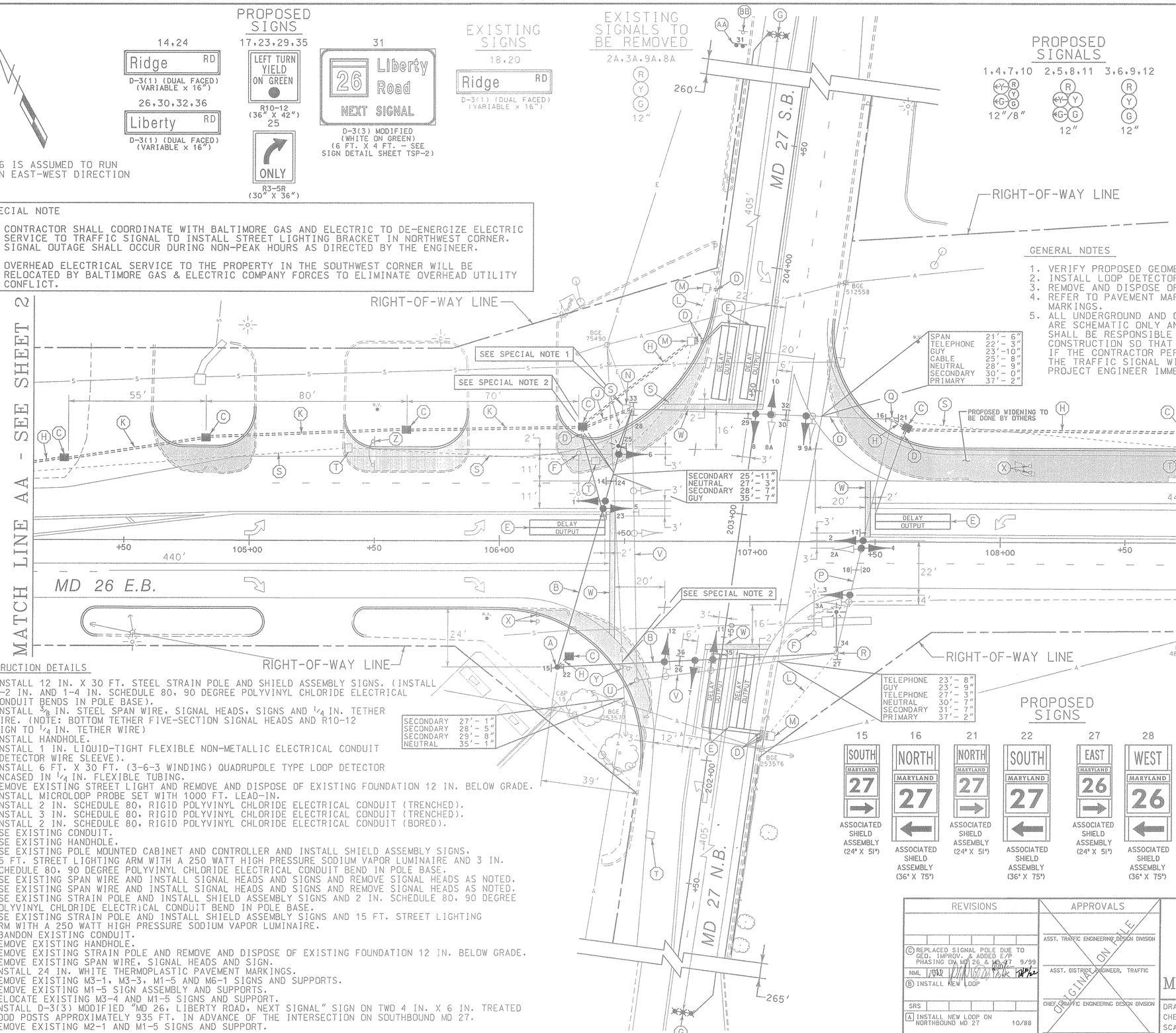
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

SPECIAL NOTE

1. CONTRACTOR SHALL COORDINATE WITH BALTIMORE GAS AND ELECTRIC TO DE-ENERGIZE ELECTRIC SERVICE TO TRAFFIC SIGNAL TO INSTALL STREET LIGHTING BRACKET IN NORTHWEST CORNER. SIGNAL OUTAGE SHALL OCCUR DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.
2. OVERHEAD ELECTRICAL SERVICE TO THE PROPERTY IN THE SOUTHWEST CORNER WILL BE RELOCATED BY BALTIMORE GAS & ELECTRIC COMPANY FORCES TO ELIMINATE OVERHEAD UTILITY CONFLICT.

GENERAL NOTES

1. VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
2. INSTALL LOOP DETECTORS PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
4. REFER TO PAVEMENT MARKING PLAN (TSP-3) FOR ADDITIONAL PAVEMENT MARKINGS.
5. 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.



CONSTRUCTION DETAILS

A. INSTALL 12 IN. X 30 FT. STEEL STRAIN POLE AND SHIELD ASSEMBLY SIGNS. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE).
B. INSTALL 3/8 IN. STEEL SPAN WIRE, SIGNAL HEADS, SIGNS AND 1/4 IN. TETHER WIRE. (NOTE: BOTTOM TETHER FIVE-SECTION SIGNAL HEADS AND R10-12 SIGN TO 1/4 IN. TETHER WIRE)
C. INSTALL HANDHOLE.
D. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
E. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
F. REMOVE EXISTING STREET LIGHT AND REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 IN. BELOW GRADE.
G. INSTALL MICROLOOP PROBE SET WITH 1000 FT. LEAD-IN.
H. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
J. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
K. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
L. USE EXISTING CONDUIT.
M. USE EXISTING HANDHOLE.
N. USE EXISTING POLE MOUNTED CABINET AND CONTROLLER AND INSTALL SHIELD ASSEMBLY SIGNS, 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE AND 3 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BEND IN POLE BASE.
O. USE EXISTING SPAN WIRE AND INSTALL SIGNAL HEADS AND SIGNS AND REMOVE SIGNAL HEADS AS NOTED.
P. USE EXISTING SPAN WIRE AND INSTALL SIGNAL HEADS AND SIGNS AND REMOVE SIGNAL HEADS AS NOTED.
Q. USE EXISTING STRAIN POLE AND INSTALL SHIELD ASSEMBLY SIGNS AND 2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BEND IN POLE BASE.
R. USE EXISTING STRAIN POLE AND INSTALL SHIELD ASSEMBLY SIGNS AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE.
S. ABANDON EXISTING CONDUIT.
T. REMOVE EXISTING HANDHOLE.
U. REMOVE EXISTING STRAIN POLE AND REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 IN. BELOW GRADE.
V. REMOVE EXISTING SPAN WIRE, SIGNAL HEADS AND SIGN.
W. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKINGS.
X. REMOVE EXISTING M3-1, M3-3, M1-5 AND M6-1 SIGNS AND SUPPORTS.
Y. REMOVE EXISTING M1-5 SIGN ASSEMBLY AND SUPPORTS.
Z. RELOCATE EXISTING M3-4 AND M1-5 SIGNS AND SUPPORT.
AA. INSTALL D-3(3) MODIFIED "MD 26, LIBERTY ROAD, NEXT SIGNAL" SIGN ON TWO 4 IN. X 6 IN. TREATED WOOD POSTS APPROXIMATELY 935 FT. IN ADVANCE OF THE INTERSECTION ON SOUTHBOUND MD 27.
BB. REMOVE EXISTING M2-1 AND M1-5 SIGNS AND SUPPORT.

PROPOSED SIGNS

15 — SOUTH MARYLAND 27 — ASSOCIATED SHIELD ASSEMBLY (24" X 51")

16 — NORTH MARYLAND 27 — ASSOCIATED SHIELD ASSEMBLY (36" X 75")

21 — NORTH MARYLAND 27 — ASSOCIATED SHIELD ASSEMBLY (24" X 51")

22 — SOUTH MARYLAND 27 — ASSOCIATED SHIELD ASSEMBLY (36" X 75")

27 — EAST MARYLAND 26 — ASSOCIATED SHIELD ASSEMBLY (24" X 51")

28 — WEST MARYLAND 26 — ASSOCIATED SHIELD ASSEMBLY (36" X 75")

33 — WEST MARYLAND 26 — ASSOCIATED SHIELD ASSEMBLY (24" X 51")

34 — EAST MARYLAND 26 — ASSOCIATED SHIELD ASSEMBLY (36" X 75")

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

WR&A
Whitman, Requardt and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

TSP-1

REVISIONS
C REPLACED SIGNAL POLE DUE TO GED. IMPROV. & ADDED E/P PHASING ON MD 26 & MD 27 9/99
NML
B INSTALL NEW LOOP
SRS
A INSTALL NEW LOOP ON NORTHBOUND MD 27 10/88

APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

ASST. DISTRICT ENGINEER, TRAFFIC

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 SIGNALIZATION PLAN
MD 26 (LIBERTY RD.) & MD 27 (RIDGE RD.)

DRAWN BY: H. KILIAN	F.A.P. NO.	TS NO. TS-1815C	SHEET NO.
CHECKED BY:	S.H.A. NO. AW-555-507-776		
SCALE: 1"= 20'	COUNTY: CARROLL	T.I.M.S. NO. D-172	OF
DATE: 7-14-99	LOG MILE: 06002601.76		