MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNALS AND EXISTING SIGNS

1,4 — 8"/12"; 2,5 — 12"; 3,6,9,12 — 12"; 8,10,11 — 12"; 13-20 — 12"

31,32 — R3-5(L) 30" X 36"

22,25 — R10-12 36" X 42"

23a,23b,26a,26b — D3-2 DUAL FACE SIGN (VAR. X 16')

21 — SHIELD ASSEMBLY 30"x51"

24 — SHIELD ASSEMBLY 48"x75"

29 — SHIELD ASSEMBLY 30"x51"

28 — SHIELD ASSEMBLY 48"x75"

30 — SHIELD ASSEMBLY 48"x75"

27 — SHIELD ASSEMBLY 30"x51"

SHA RIGHT-OF-WAY

PROPOSED SIGNAL AND SIGN

7 — 12"

33 — R3-5(L) 30" X 36"

RIGHT-OF-WAY LINE

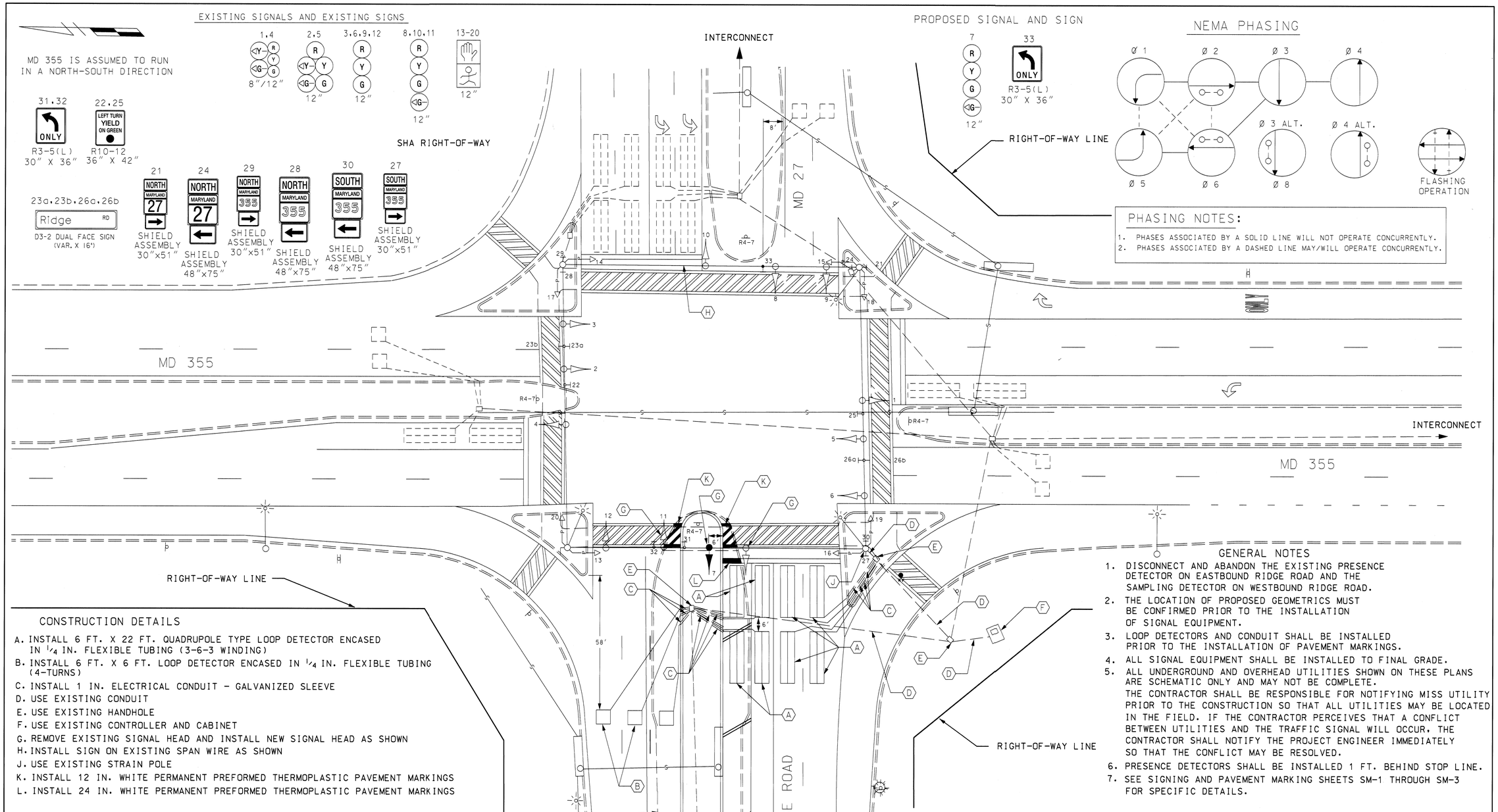
NEMA PHASING

Ø 1, Ø 2, Ø 3, Ø 4, Ø 5, Ø 6, Ø 3 ALT., Ø 4 ALT., Ø 8

FLASHING OPERATION

PHASING NOTES:

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



GENERAL NOTES

1. DISCONNECT AND ABANDON THE EXISTING PRESENCE DETECTOR ON EASTBOUND RIDGE ROAD AND THE SAMPLING DETECTOR ON WESTBOUND RIDGE ROAD.
2. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
4. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
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.
6. PRESENCE DETECTORS SHALL BE INSTALLED 1 FT. BEHIND STOP LINE.
7. SEE SIGNING AND PAVEMENT MARKING SHEETS SM-1 THROUGH SM-3 FOR SPECIFIC DETAILS.

CONSTRUCTION DETAILS

A. INSTALL 6 FT. X 22 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (3-6-3 WINDING)
B. INSTALL 6 FT. X 6 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (4-TURNS)
C. INSTALL 1 IN. ELECTRICAL CONDUIT - GALVANIZED SLEEVE
D. USE EXISTING CONDUIT
E. USE EXISTING HANDHOLE
F. USE EXISTING CONTROLLER AND CABINET
G. REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW SIGNAL HEAD AS SHOWN
H. INSTALL SIGN ON EXISTING SPAN WIRE AS SHOWN
J. USE EXISTING STRAIN POLE
K. INSTALL 12 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
L. INSTALL 24 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

REVISIONS	APPROVALS
© 2-6-02 REPLACE DETECTION DUE TO WIDENING — MH TZ	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 SIGNALIZATION
MD 355 AND MD 27/RIDGE ROAD

DRAWN BY: M.A.M	F.A.P. NO.	TS NO. 870 C	SHEET NO.
CHECKED BY: S. RENZI	S.H.A. NO.	T.I.M.S. NO. F001	1 OF 2
SCALE: 1" = 20'	COUNTY: MONTGOMERY		
DATE: 12-17-93	LOG MILE: 15035519.83		

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