US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS

19,21,22,25 — LEFT TURN YIELD ON GREEN — R10-12 (36" X 42")

23,26 — ONLY — R3-5(L) (30" X 36")

27 — ONLY — R3-5a (30" X 36")

18,28,30 — ONLY — R3-5(R) (30" X 36")

17a,17b,20a,20b — Whiskey Bottom — D3-2 DUAL FACE SIGN (VAR. X 16')

29 — SIGNAL AHEAD / PREPARE TO STOP WHEN FLASHING

31 — W3-3 (48" X 48")

EXISTING SIGN TO BE REMOVED

24 — R3-6 (30" X 36")

EXISTING SIGNALS

1,4,7,10 — 8"/12"

2,5,8,11 — 12"

3,6,9,12 — 12"

13-16 — 12"

PROPOSED SIGNS

32 — NORTH 1 — M3-1 30"X15" M1-4 36"X36" M6-1 30"X24"

31 — SOUTH 1 — M3-3 24"X12" M1-4 24"X24" M6-1 21"X15"

34 — SOUTH 1 — M3-3 30"X15" M1-4 36"X36" M6-1 30"X24"

33 — NORTH 1 — M3-1 24"X12" M1-4 24"X24" M6-1 21"X15"

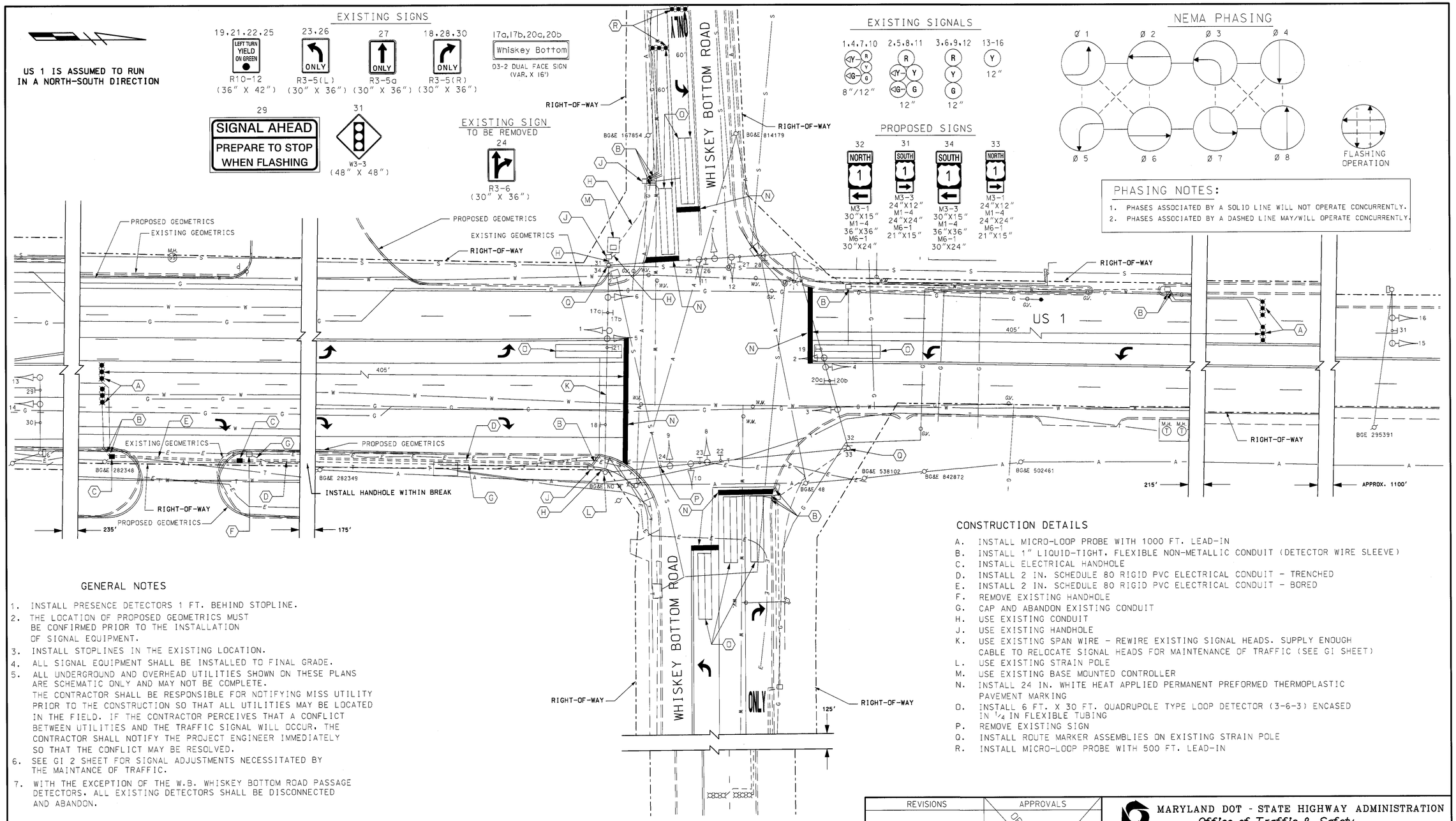
NEMA PHASING

Ø 1, Ø 2, Ø 3, Ø 4, Ø 5, Ø 6, Ø 7, 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. INSTALL PRESENCE DETECTORS 1 FT. BEHIND STOPLINE.
2. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. INSTALL STOPLINES IN THE EXISTING LOCATION.
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. SEE GI 2 SHEET FOR SIGNAL ADJUSTMENTS NECESSITATED BY THE MAINTANCE OF TRAFFIC.
7. WITH THE EXCEPTION OF THE W.B. WHISKEY BOTTOM ROAD PASSAGE DETECTORS, ALL EXISTING DETECTORS SHALL BE DISCONNECTED AND ABANDON.

CONSTRUCTION DETAILS

A. INSTALL MICRO-LOOP PROBE WITH 1000 FT. LEAD-IN
B. INSTALL 1" LIQUID-TIGHT, FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
C. INSTALL ELECTRICAL HANDHOLE
D. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
E. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
F. REMOVE EXISTING HANDHOLE
G. CAP AND ABANDON EXISTING CONDUIT
H. USE EXISTING CONDUIT
J. USE EXISTING HANDHOLE
K. USE EXISTING SPAN WIRE - REWIRE EXISTING SIGNAL HEADS. SUPPLY ENOUGH CABLE TO RELOCATE SIGNAL HEADS FOR MAINTENANCE OF TRAFFIC (SEE GI SHEET)
L. USE EXISTING STRAIN POLE
M. USE EXISTING BASE MOUNTED CONTROLLER
N. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
O. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR (3-6-3) ENCASED IN 1/4 IN FLEXIBLE TUBING
P. REMOVE EXISTING SIGN
Q. INSTALL ROUTE MARKER ASSEMBLIES ON EXISTING STRAIN POLE
R. INSTALL MICRO-LOOP PROBE WITH 500 FT. LEAD-IN

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
1 AUGUST. 2002 REPLACE DETECTION SHA NO. H08295176	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
TMZ MLH	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
H 9-96 REBUILD N.B. H.I.B.	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
BT DAZ BRK TH	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNALIZATION
US 1 AND WHISKEY BOTTOM ROAD

DRAWN BY:	R. LIGON	F.A.P. NO.	NONE	TS NO. 791 I	SHEET NO.
CHECKED BY:	S. RENZI	S.H.A. NO.	J-4059	T.I.M.S. NO.	___ OF ___
SCALE:	1" - 20'	COUNTY:	HOWARD		
DATE:	11/87	LOG MILE:	13000100.97		

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