MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNAL HEADS

1,2,5,6 — R, Y, G — 12"
3,4,7,8 — R, Y, G — 12"
15,16 — 12"

EXISTING OPTICOM DETECTOR EYE
17

PROPOSED SIGNAL HEADS

10,13 — R, Y, G, G — 12"
9,12 — R, Y, G, G — 8"/12"
11,14 — R, Y, G — 12"

EXISTING SIGN TO BE RELOCATED
22
ONLY
R3-5(L)
(30" X 36")

NEMA PHASING

Ø 1, Ø 2, Ø 3, Ø 4, Ø 3 ALT., Ø 5, Ø 6, FIREHOUSE PRE-EMPTION, FLASHING OPERATION

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

EXISTING SIGNS

27,28
R4-7
(24" X 30")

25,26
PUSH BUTTON TO CROSS RITCHIE HIGHWAY
WALK — START CROSSING WITH OR FOR TURNING CARS
FLASHING — FINISH CROSSING IF STARTED
STEADY — PEDESTRIANS SHOULD NOT BE IN CROSSWALK
R10-4(I)
9" X 12"

20A
MARLEY STAT. RD.
D3-1 SINGLE FACE SIGN
(VAR. X 16")

20B
MARLEY STAT. RD.
D3-1 SINGLE FACE SIGN
(VAR. X 16")

29,30,31,33,34,35
ONE WAY
R6-1(R)
(36" X 12")

32,36
ONE WAY
R6-1(L)
(36" X 12")

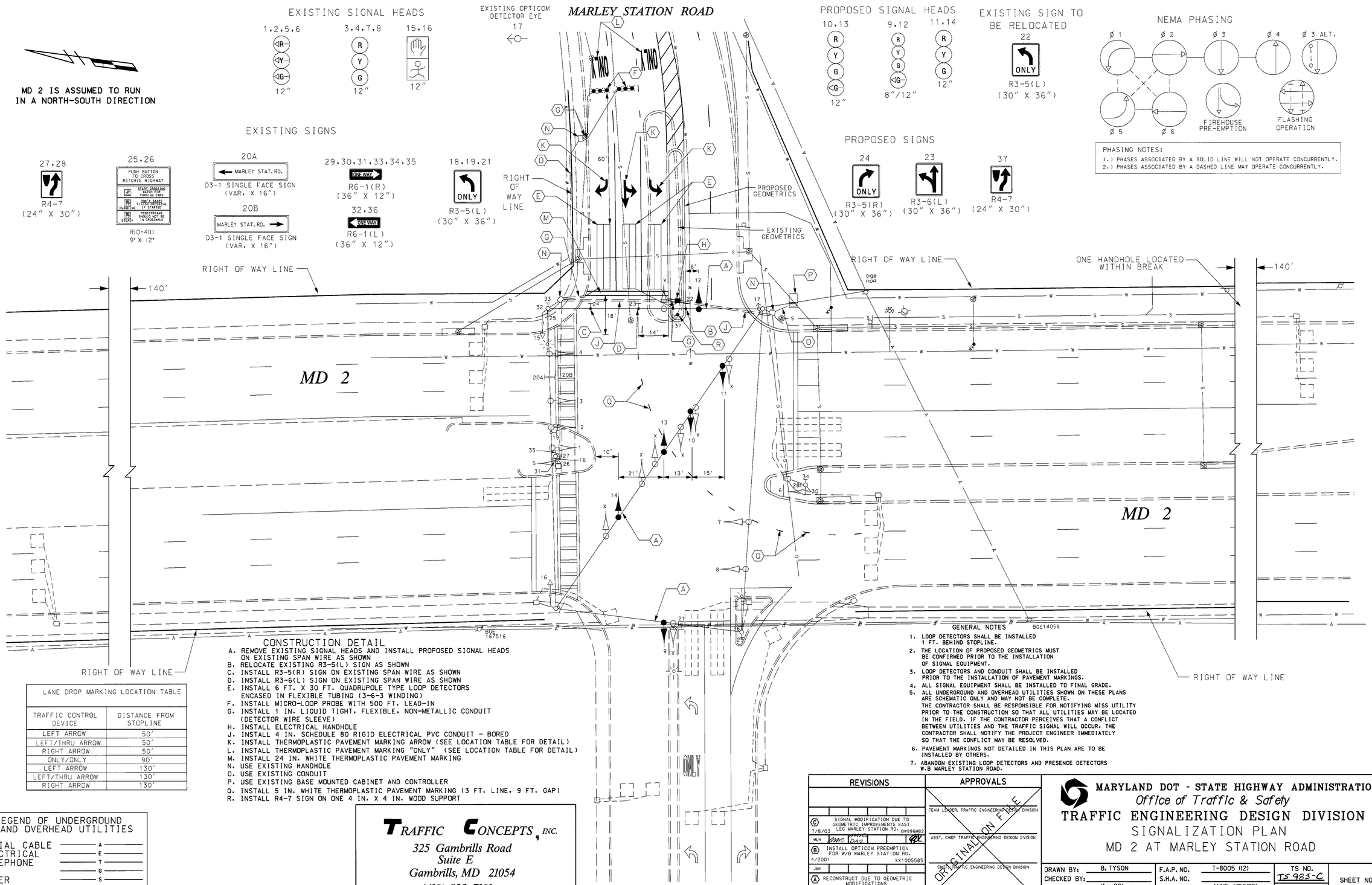
18,19,21
ONLY
R3-5(L)
(30" X 36")

PROPOSED SIGNS

24
ONLY
R3-5(R)
(30" X 36")

23
R3-6(L)
(30" X 36")

37
R4-7
(24" X 30")



CONSTRUCTION DETAIL

A. REMOVE EXISTING SIGNAL HEADS AND INSTALL PROPOSED SIGNAL HEADS ON EXISTING SPAN WIRE AS SHOWN
B. RELOCATE EXISTING R3-5(L) SIGN AS SHOWN
C. INSTALL R3-5(R) SIGN ON EXISTING SPAN WIRE AS SHOWN
D. INSTALL R3-6(L) SIGN ON EXISTING SPAN WIRE AS SHOWN
E. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTORS ENCASED IN FLEXIBLE TUBING (3-6-3 WINDING)
F. INSTALL MICRO-LOOP PROBE WITH 500 FT. LEAD-IN
G. INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
H. INSTALL ELECTRICAL HANDHOLE
J. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
K. INSTALL THERMOPLASTIC PAVEMENT MARKING ARROW (SEE LOCATION TABLE FOR DETAIL)
L. INSTALL THERMOPLASTIC PAVEMENT MARKING "ONLY" (SEE LOCATION TABLE FOR DETAIL)
M. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKING
N. USE EXISTING HANDHOLE
O. USE EXISTING CONDUIT
P. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER
Q. INSTALL 5 IN. WHITE THERMOPLASTIC PAVEMENT MARKING (3 FT. LINE, 9 FT. GAP)
R. INSTALL R4-7 SIGN ON ONE 4 IN. X 4 IN. WOOD SUPPORT

LANE DROP MARKING LOCATION TABLE

TRAFFIC CONTROL DEVICE	DISTANCE FROM STOPLINE
LEFT ARROW	50'
LEFT/THRU ARROW	50'
RIGHT ARROW	50'
ONLY/ONLY	90'
LEFT ARROW	130'
LEFT/THRU ARROW	130'
RIGHT ARROW	130'

GENERAL NOTES

1. LOOP DETECTORS SHALL BE INSTALLED 1 FT. BEHIND STOPLINE.
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. PAVEMENT MARKINGS NOT DETAILED IN THIS PLAN ARE TO BE INSTALLED BY OTHERS.
7. ABANDON EXISTING LOOP DETECTORS AND PRESENCE DETECTORS W.B MARLEY STATION ROAD.

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

C	7/8/03	SIGNAL MODIFICATION DUE TO GEOMETRIC IMPROVEMENTS EAST LEG MARLEY STATION RD. BW9986B2
B	4/2001	INSTALL OPTICOM PREEMPTION FOR W/B MARLEY STATION RD. XX1005585
A	10-8-84	RECONSTRUCT DUE TO GEOMETRIC MODIFICATIONS

APPROVALS

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
SIGNALIZATION PLAN
MD 2 AT MARLEY STATION ROAD

DRAWN BY:	B. TYSON	F.A.P. NO.	T-8005 (12)	TS NO.	SHEET NO.
CHECKED BY:		S.H.A. NO.		TS 925-C	1 OF 2
SCALE:	1" = 20'	COUNTY:	ANNE ARUNDEL	T.I.M.S. NO.	
DATE:	7-18-73	LOG MILE:	02.09 to 2.34.76	F867	

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