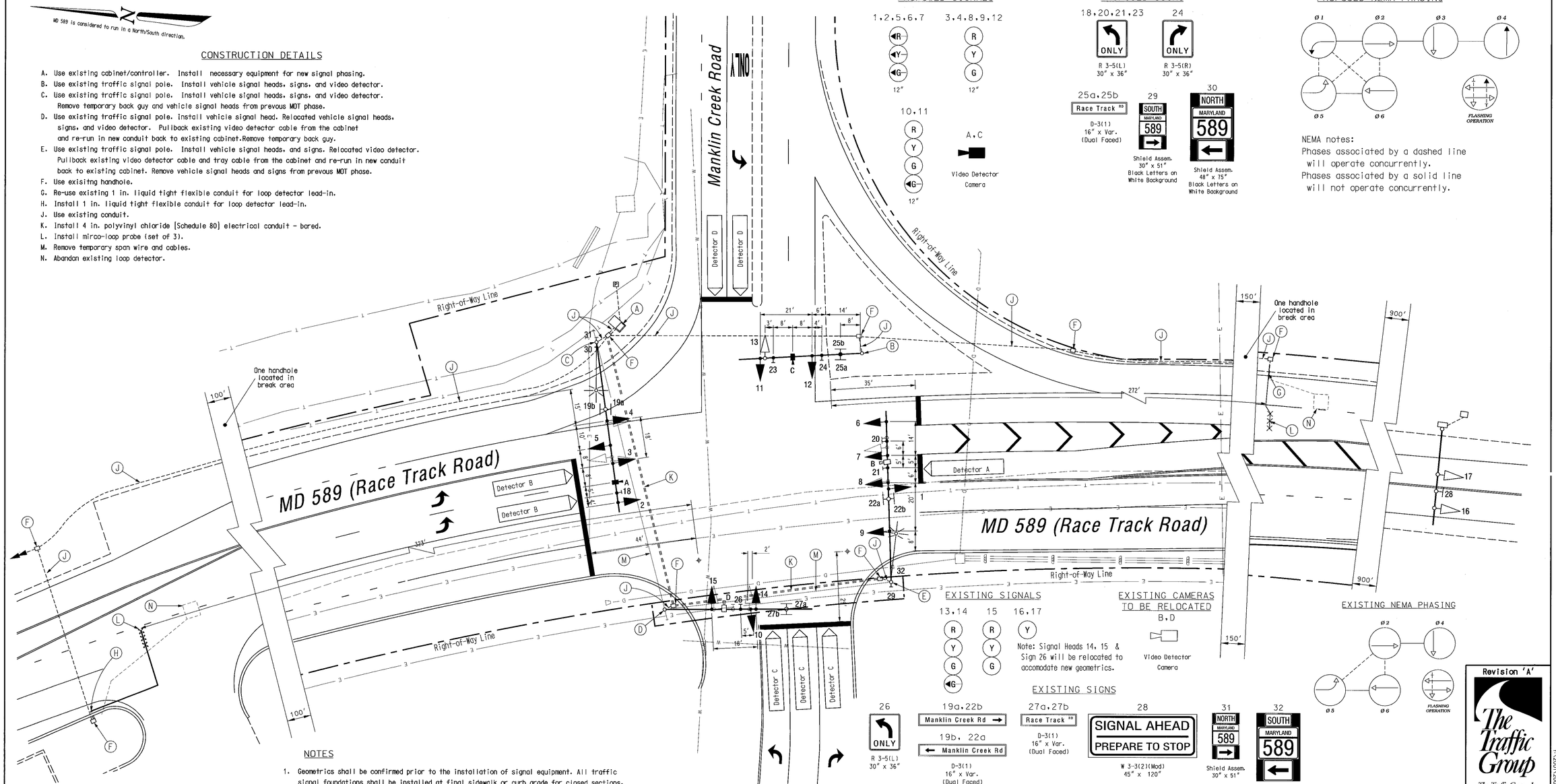
MD 589 is considered to run in a North/South direction.

CONSTRUCTION DETAILS

A. Use existing cabinet/controller. Install necessary equipment for new signal phasing.
B. Use existing traffic signal pole. Install vehicle signal heads, signs, and video detector.
C. Use existing traffic signal pole. Install vehicle signal heads, signs, and video detector. Remove temporary back guy and vehicle signal heads from prevous MOT phase.
D. Use existing traffic signal pole. Install vehicle signal head. Relocated vehicle signal heads, signs, and video detector. Pullback existing video detector cable from the cabinet and re-run in new conduit back to existing cabinet.Remove temporary back guy.
E. Use existing traffic signal pole. Install vehicle signal heads, and signs. Relocated video detector. Pullback existing video detector cable and tray cable from the cabinet and re-run in new conduit back to existing cabinet. Remove vehicle signal heads and signs from prevous MOT phase.
F. Use exisitng handhole.
G. Re-use existing 1 in. liquid tight flexible conduit for loop detector lead-in.
H. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
J. Use existing conduit.
K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
L. Install mirco-loop probe (set of 3).
M. Remove temporary span wire and cables.
N. Abandon existing loop detector.



PROPOSED SIGNALS

1,2,5,6,7 — R, Y, G, 12"

3,4,8,9,12 — R, Y, G, 12"

10,11 — R, Y, G, G, 12"

A,C — Video Detector Camera

PROPOSED SIGNS

18,20,21,23 — ONLY — R 3-5(L) 30" x 36"

24 — ONLY — R 3-5(R) 30" x 36"

25a,25b — Race Track RD — D-3(1) 16" x Var. (Dual Faced)

29 — SOUTH MARYLAND 589 — Shield Assem. 30" x 51" Black Letters on White Background

30 — NORTH MARYLAND 589 — Shield Assem. 48" x 75" Black Letters on White Background

PROPOSED NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 FLASHING OPERATION

NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.

EXISTING SIGNALS

13,14 — R, Y, G, G

15 — R, Y, G

16,17 — Y

Note: Signal Heads 14, 15 & Sign 26 will be relocated to accomodate new geometrics.

EXISTING CAMERAS TO BE RELOCATED

B,D — Video Detector Camera

EXISTING NEMA PHASING

Ø2 Ø4 Ø5 Ø6 FLASHING OPERATION

EXISTING SIGNS

26 — ONLY — R 3-5(L) 30" x 36"

19a,22b — Manklin Creek Rd →

19b, 22a — ← Manklin Creek Rd — D-3(1) 16" x Var. (Dual Faced)

27a,27b — Race Track RD — D-3(1) 16" x Var. (Dual Faced)

28 — SIGNAL AHEAD / PREPARE TO STOP — W 3-3(2)(Mod) 45" x 120"

31 — NORTH MARYLAND 589 — Shield Assem. 30" x 51"

32 — SOUTH MARYLAND 589 — Shield Assem. 48" x 75"

MOT- Phase 3 & Ultimate Traffic Signal

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
3. Pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. Revision 'A' is a revision to the traffic signal built in September, 1987 under S.H.A. Contract No.: WO-659-509-185.
5. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
D — STORM DRAIN
A — AERIAL CABLES
T — TELEPHONE CABLES

Revision 'A'

The Traffic Group
The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS			
A	02/03/05	Modifications geometrics, add fourth leg. S.H.A. No.:BW995M82	jjd

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
(Traffic Signal Plan)

MD 589 (Race Track Road) at Manklin Creek Road

DRAWN BY:	S. Baranowski	F.A.P. NO.	N/A	TS NO.	SHEET NO.
CHECKED BY:	D. Doda	S.H.A. NO.	WO-659-509-185	TS-2406A	
SCALE:	1" = 20'	COUNTY:	Worcester	T.I.M.S. NO.	
DATE:	August 24, 1987	LOG MILE:	23058902.12	G220	3 OF 4

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