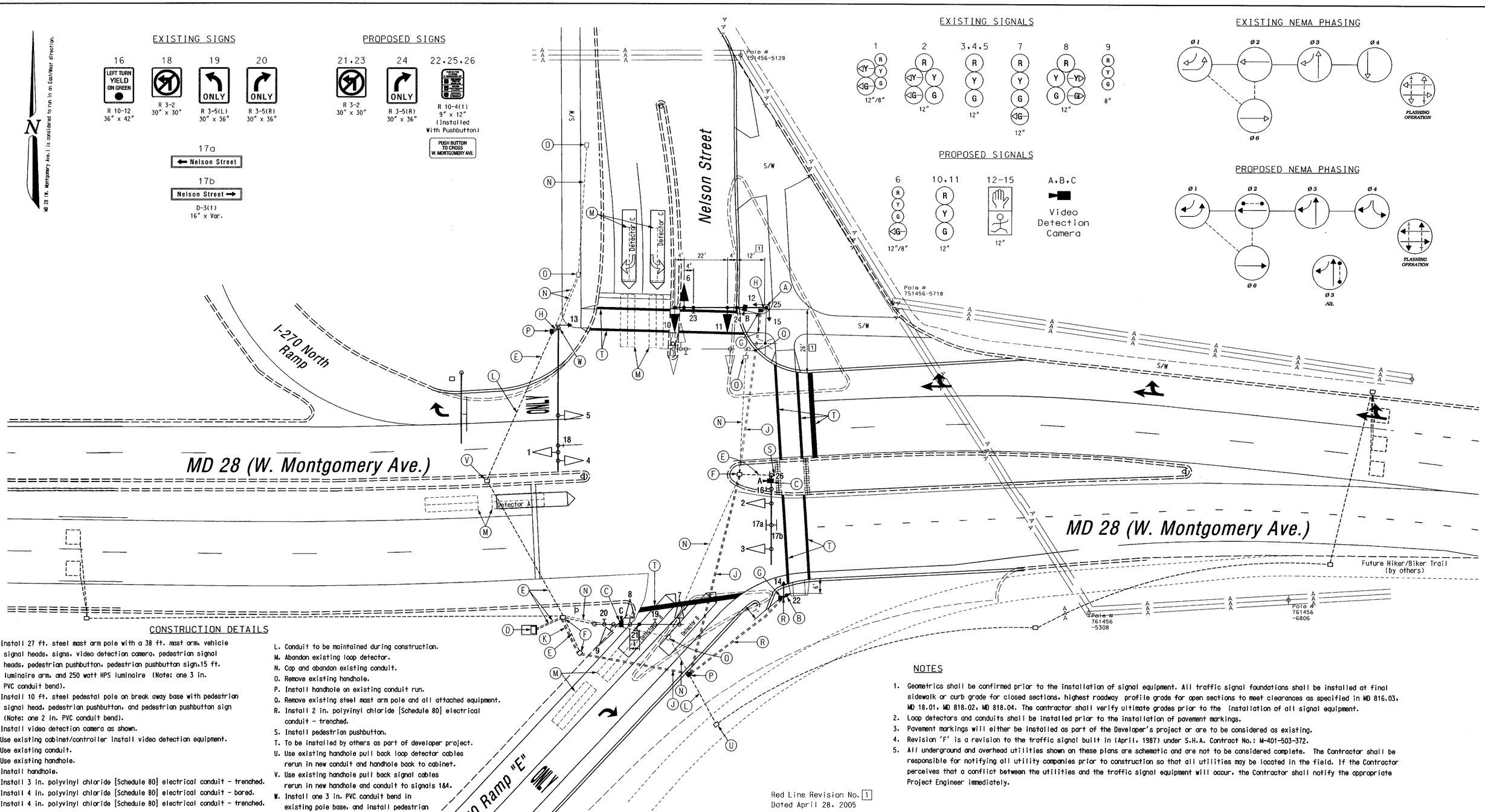

CONSTRUCTION DETAILS

A. Install 27 ft. steel mast arm pole with a 38 ft. mast arm, vehicle signal heads, signs, video detection camera, pedestrian signal heads, pedestrian pushbutton, pedestrian pushbutton sign, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
B. Install 10 ft. steel pedestal pole on break away base with pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).
C. Install video detection camera as shown.
D. Use existing cabinet/controller install video detection equipment.
E. Use existing conduit.
F. Use existing handhole.
G. Install handhole.
H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
J. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
L. Conduit to be maintained during construction.
M. Abandon existing loop detector.
N. Cap and abandon existing conduit.
O. Remove existing handhole.
P. Install handhole on existing conduit run.
Q. Remove existing steel mast arm pole and all attached equipment.
R. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
S. Install pedestrian pushbutton.
T. To be installed by others as part of developer project.
U. Use existing handhole pull back loop detector cables rerun in new conduit and handhole back to cabinet.
V. Use existing handhole pull back signal cables rerun in new handhole and conduit to signals 1&4.
W. Install one 3 in. PVC conduit bend in existing pole base, and install pedestrian signal head.

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 18.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. Revision 'F' is a revision to the traffic signal built in (April, 1987) under S.H.A. Contract No.: M-401-503-372.
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.

Red Line Revision No. 1
Dated April 28, 2005

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

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

MDOT - SHA
O.O.T.S
T.E.D.D.

S.H.A. Approval — Date 4/27/05

T.S.-244F — Log Mile-15002826.09

Revision "F"

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

REVISIONS					
(F) Modifications due to new geometrics. S.H.A. No.:BW996M82 March 23, 2004					
fdb					
(E) Right-turn overlap for Phase 3. S.H.A. No.:M-401-503-372 Oct. 15,1999					
JES					
(D) Right-turn overlap for Phase 3. S.H.A. No.:M-401-503-372 June 11,1992					
(C) Reloc. Sig. Equip. Due to Gem. Imp. S.H.A. No.:M-401-503-372 Oct. 30,1986					
ZS					TH

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 28 (W. Montgomery Avenue) at Nelson Street /I-270 NB Off Ramp

DRAWN BY: Bob Tyson	F.A.P. NO. N/A	TS NO. 244F	SHEET NO.
CHECKED BY: W. Richardson	S.H.A. NO. M-401-503-372		
SCALE: 1" - 20'	COUNTY: Montgomery	T.I.M.S. NO. D-290	1 OF 2
DATE: April 30, 1987	LOG MILE: 15002826.09		

C:\Bentley\Workspace\projects\examples\generic\dgn\Fallsgrove Red-Line.dgn 04/26/2005