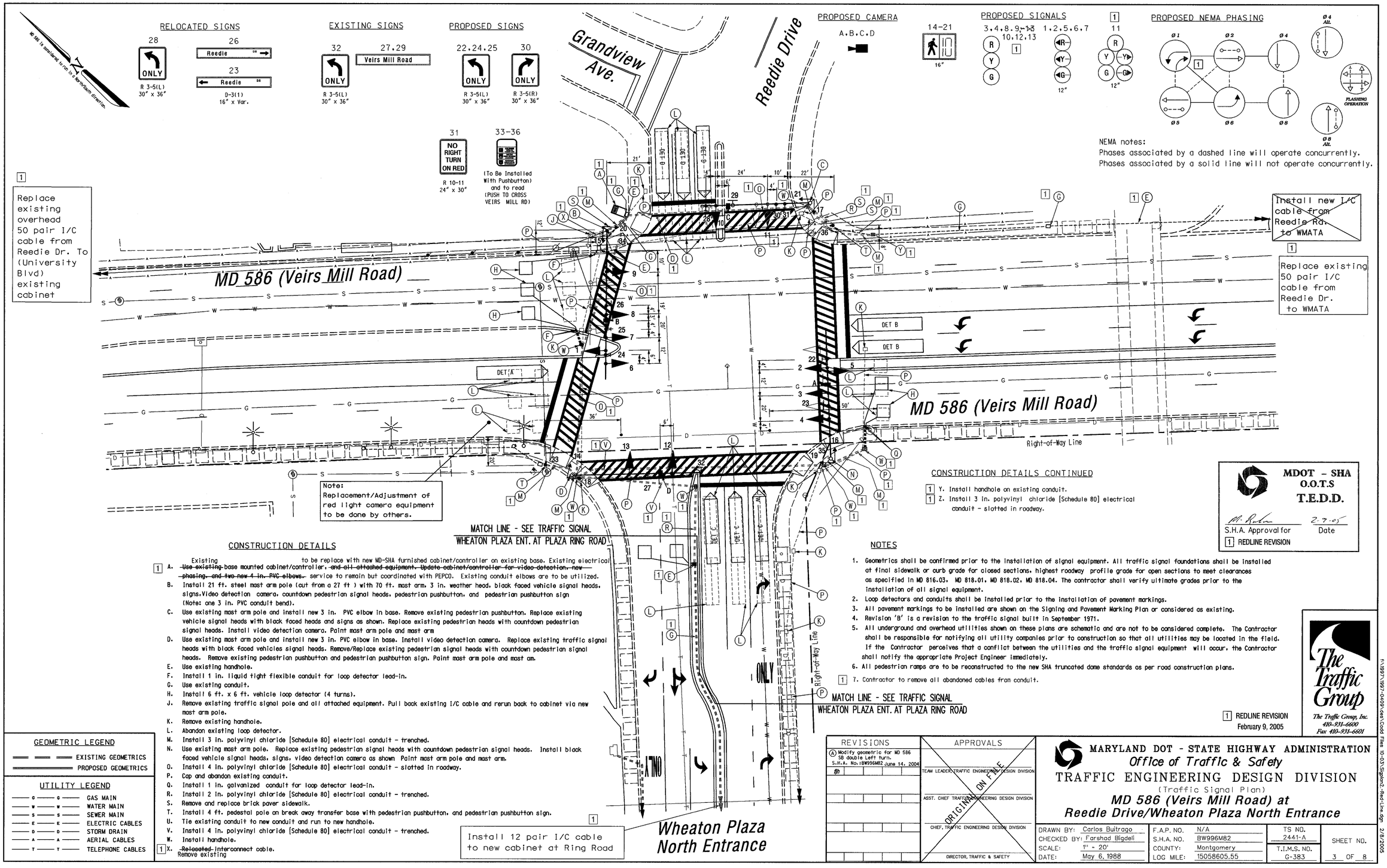

CONSTRUCTION DETAILS

[1] A. Existing to be replace with new MD-SHA furnished cabinet/controller on existing base. Existing electrical ~~Use existing~~ base mounted cabinet/controller, ~~and all attached equipment. Update cabinet/controller for video detection, new phasing, and two new 4 in. PVC elbows.~~ service to remain but coordinated with PEPCO. Existing conduit elbows are to be utilized.

B. Install 21 ft. steel mast arm pole (cut from a 27 ft) with 70 ft. mast arm, 3 in. weather head, black faced vehicle signal heads, signs, Video detection camera, countdown pedestrian signal heads, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 3 in. PVC conduit bend).

C. Use existing mast arm pole and install new 3 in. PVC elbow in base. Remove existing pedestrian pushbutton. Replace existing vehicle signal heads with black faced heads and signs as shown. Replace existing pedestrian heads with countdown pedestrian signal heads. Install video detection camera. Paint mast arm pole and mast arm

D. Use existing mast arm pole and install new 3 in. PVC elbow in base. Install video detection camera. Replace existing traffic signal heads with black faced vehicles signal heads. Remove/Replace existing pedestrian signal heads with countdown pedestrian signal heads. Remove existing pedestrian pushbutton and pedestrian pushbutton sign. Paint mast arm pole and mast am.

E. Use existing handhole.

F. Install 1 in. liquid tight flexible conduit for loop detector lead-in.

G. Use existing conduit.

H. Install 6 ft. x 6 ft. vehicle loop detector (4 turns).

J. Remove existing traffic signal pole and all attached equipment. Pull back existing I/C cable and rerun back to cabinet via new mast arm pole.

K. Remove existing handhole.

L. Abandon existing loop detector.

M. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

N. Use existing mast arm pole. Replace existing pedestrian signal heads with countdown pedestrian signal heads. Install black faced vehicle signal heads, signs, video detection camera as shown Paint mast arm pole and mast arm.

O. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.

P. Cap and abandon existing conduit.

Q. Install 1 in. galvanized conduit for loop detector lead-in.

R. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

S. Remove and replace brick paver sidewalk.

T. Install 4 ft. pedestal pole on break away transfer base with pedestrian pushbutton, and pedestrian pushbutton sign.

U. Tie existing conduit to new conduit and run to new handhole.

V. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

W. Install handhole.

[1] X. ~~Relocated~~ interconnect cable. Remove existing

CONSTRUCTION DETAILS CONTINUED

[1] Y. Install handhole on existing conduit.

[1] Z. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.

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.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. All pavement markings to be installed are shown on the Signing and Pavement Marking Plan or considered as existing.
4. Revision 'B' is a revision to the traffic signal built in September 1971.
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.
6. All pedestrian ramps are to be reconstructed to the new SHA truncated dome standards as per road construction plans.
7. [1] Contractor to remove all abandoned cables from conduit.

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

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

S.H.A. Approval for [1] REDLINE REVISION — Date 2-9-05

[1] REDLINE REVISION
February 9, 2005

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

REVISIONS
(A) Modify geometric for MD 586 SB double Left turn. S.H.A. No.: BW996M82 June 14, 2004
fm

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 586 (Veirs Mill Road) at Reedie Drive/Wheaton Plaza North Entrance

DRAWN BY: Carlos Buitrago	F.A.P. NO. N/A	TS NO. 2441-A	SHEET NO.
CHECKED BY: Farshad Bigdeli	S.H.A. NO. BW996M82		
SCALE: 1" = 20'	COUNTY: Montgomery	T.I.M.S. NO. G-383	3 OF 8
DATE: May 6, 1988	LOG MILE: 15058605.55		

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