CONSTRUCTION DETAILS

A. Use existing base mounted cabinet/controller. Install Four 4-channel rack mounted loop detector amplifers. Use existing electrical service.

B. Use existing steel mast arm pole and mast arm, vehicle signal heads. Remove /replace existing sign.

C. Install 27 ft. steel twin mast arm pole with 50 ft. and a 60 ft. mast arms, 15 ft. mini mast arm, vehicle signal heads, signs, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).

D. Install 27 ft. steel mast arm pole with a 50 ft. mast arm, vehicle signal heads, signs, 10 ft. luminaire, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).

E. Install handhole.

F. Install handhole on existing conduit run.

G. Use existing handhole.

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

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

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

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

M. Use existing handhole. Splice new 2-conductor aluminum shielded cable to existing loop detectors.

N. Use existing conduit.

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

P. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).

Q. Install ground mounted sign as shown.

R. Install 24 in. wide solid pavement marking for stop line.

S. Remove existing handhole. Install new 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched. Run to new handhole.

T. Remove existing traffic signal equipment.

U. Cap and abandon existing conduit.

SIGNALS

1,2,3,6,7 — R, Y, G, 12"

4,5,8,9,11,13 — R, Y, G, 12"

10,12 — R, Y, G, G, 12"

14,15,18,20,21 — ONLY, R 3-5(L), 30" x 36"

24,25 — NEW, Temporary Sign W 3-3, 36" x 36"

26,27 — NEW, Temporary Sign W 3-3, 48" x 48"

SIGNS

16 — Pierce RD / VFW RD, D 3-2, 32" x Var.

17 — VFW RD / Pierce RD, D 3-2, 32" x Var.

24 — Pierce RD / VFW RD / NEXT SIGNAL

25 — VFW RD / Pierce RD / NEXT SIGNAL, D 3-(3), 48" x 96 White /Green (8 in. uppercase/ 6 in. lowercase)

19a — SOUTH 301 NORTH

19b — NORTH 301 SOUTH, M95-1, 18" x 60" (Dual Faced)

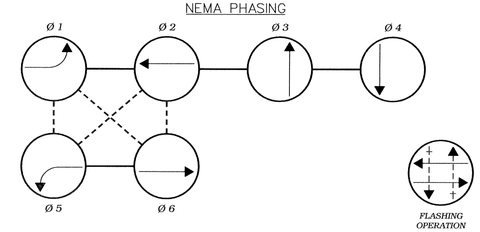
Note:

Signal heads 8,9 are existing.

Signal heads 1-7,10-13 and Signs 14-16,18-27 are proposed.

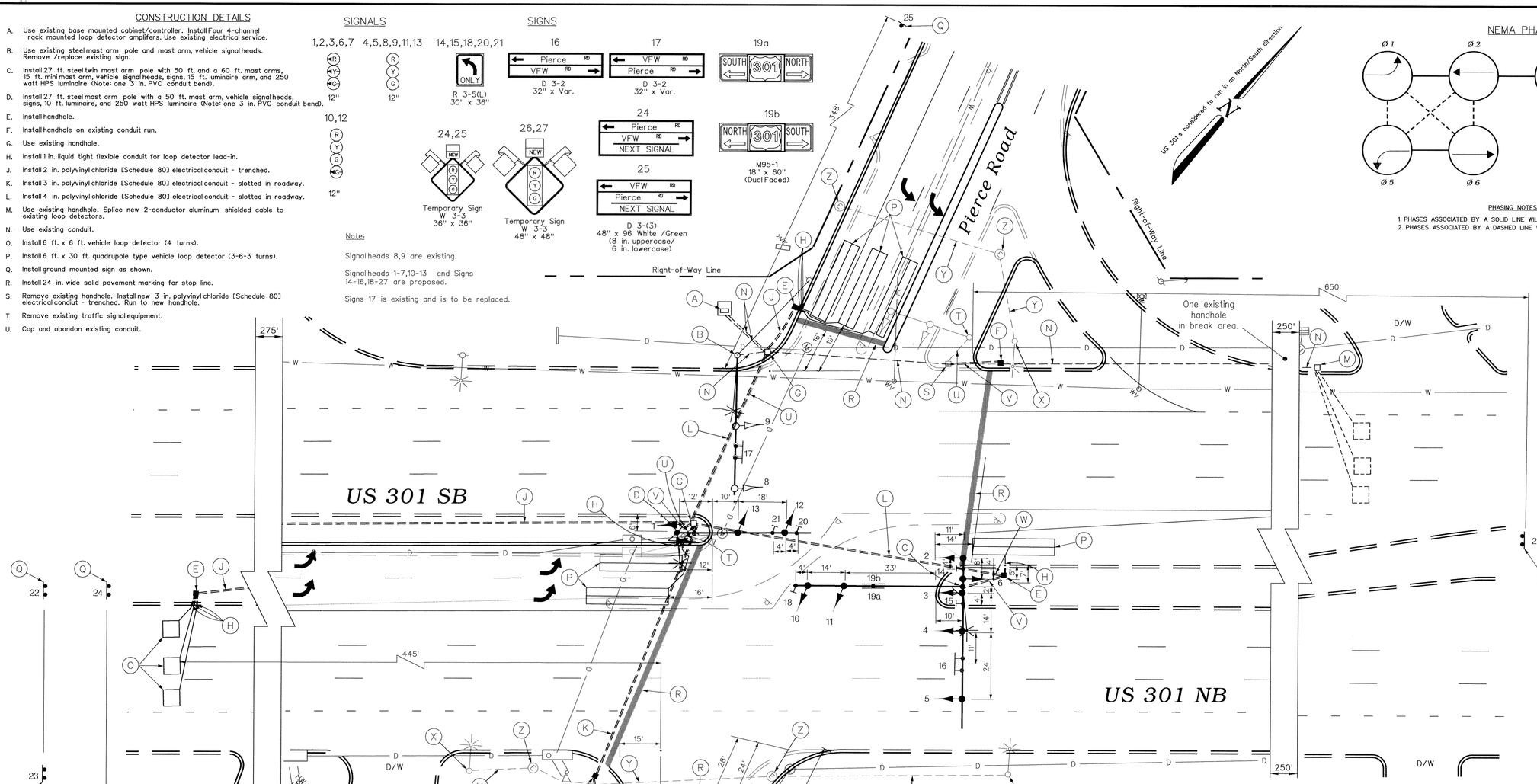
Signs 17 is existing and is to be replaced.

NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY



CONSTRUCTION DETAILS CONTINUED

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

W. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trencnced.

X. Remove existing street light structure.

Y. Cap and abandon existing street lighting conduit.

Z.. Remove existing street lighting electrical mannhole.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment will be installed to final grade.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with S.H.A. standards. All other pavement markings are either existing or will be installed as part of the Developer's project.
4. Revision 'A' is a revision to the traffic signal built in March 1995.
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.

Revision "A"

The Traffic Group

The Traffic Group, Inc.
Suite 600
40 W. Chesapeake Avenue
Towson, Maryland 21204
410-583-8405
1-800-583-8411
Fax 410-321-8438
Job. No. 9709124
SIGPLANLDGN

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

REVISIONS

(A) Signal Reconstruction due to Geometric changes. June 11, 1999
S.H.A. No. BW996M82

APPROVALS

ORIGINAL ON FILE

ASST. TRAFFIC ENGINEERING DESIGN DIVISION

ASST. DISTRICT ENGINEER - TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MDOT – STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

(Traffic Signal Plan)

US 301 at Pierce Road / VFW Road

LOG MILE • 08030125.48

DATE:	March, 1995				
DRAWN BY:	M. Cook	F.A.P. NO.	N/A	PLAN SHEET NO.:	SHEET NO.
CHK. BY:	D. Doda	S.H.A. NO.		3486A	1 of 2
SCALE:	1" = 20'	COUNTY:	Charles		

f:\97092A\cad\sigpcont.dgn 11 JUN 1999