EXISTING SIGNALS

8, 15 — R, Y, G — 12"
6 — ◁R, ◁Y, ◁G — 12"
10, 14 — R, Y, G, ◀G — 12"

PROPOSED SIGNALS

3, 4, 12 — R, Y, G — 12"
2, 5 — ◀R, ◀Y, ◀G — 12"
11, 13 — R, Y, G, ◀G — 12"

RELOCATE SIGNALS

1, 7 — ◁R, ◁Y, ◁G — 12"
9 — R, Y, G — 12"
26, 27 — Opticom Detector

PROPOSED CAMERAS

28–31 — Camera Detection

NEMA PHASING

Ø1, Ø2, Ø3, Ø4, Ø5, Ø6

FLASHING OPERATION

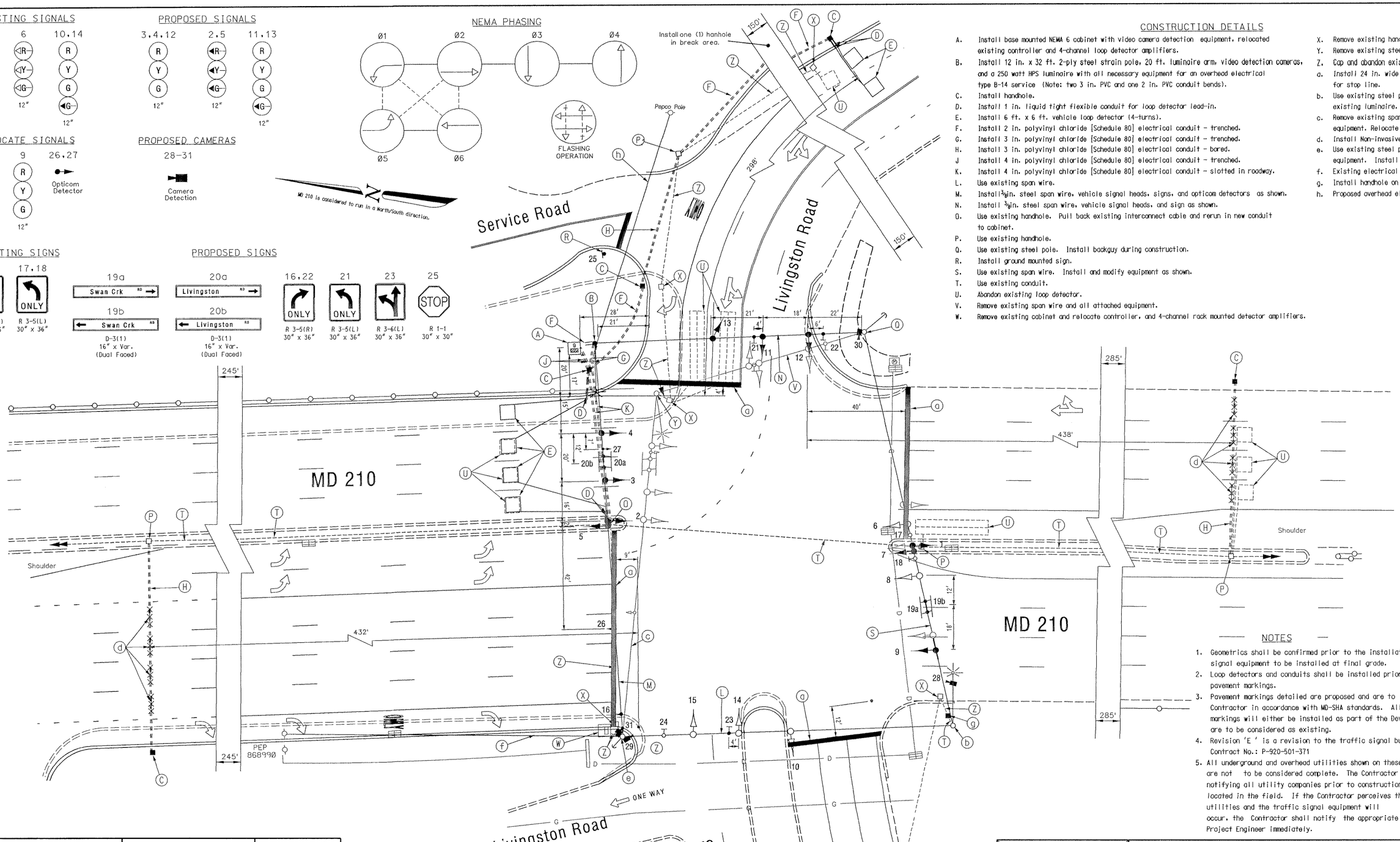
MD 210 is considered to run in a North/South direction.

EXISTING SIGNS

24 — ONLY — R 3-5(R) 30" x 36"
17, 18 — ONLY — R 3-5(L) 30" x 36"

PROPOSED SIGNS

19a — Swan Crk RD →
19b — ← Swan Crk RD — D-3(1) 16" x Var. (Dual Faced)
20a — Livingston RD →
20b — ← Livingston RD — D-3(1) 16" x Var. (Dual Faced)
16, 22 — ONLY — R 3-5(R) 30" x 36"
21 — ONLY — R 3-5(L) 30" x 36"
23 — R 3-6(L) 30" x 36"
25 — STOP — R 1-1 30" x 30"



CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet with video camera detection equipment, relocated existing controller and 4-channel loop detector amplifiers.
B. Install 12 in. x 32 ft. 2-ply steel strain pole, 20 ft. luminaire arm, video detection cameras, and a 250 watt HPS luminaire with all necessary equipment for an overhead electrical type B-14 service (Note: two 3 in. PVC and one 2 in. PVC conduit bends).
C. Install handhole.
D. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
E. Install 6 ft. x 6 ft. vehicle loop detector (4-turns).
F. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
J Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
L. Use existing span wire.
M. Install ⅜in. steel span wire, vehicle signal heads, signs, and opticom detectors as shown.
N. Install ⅜in. steel span wire, vehicle signal heads, and sign as shown.
O. Use existing handhole. Pull back existing interconnect cable and rerun in new conduit to cabinet.
P. Use existing handhole.
Q. Use existing steel pole. Install backguy during construction.
R. Install ground mounted sign.
S. Use existing span wire. Install and modify equipment as shown.
T. Use existing conduit.
U. Abandon existing loop detector.
V. Remove existing span wire and all attached equipment.
W. Remove existing cabinet and relocate controller, and 4-channel rack mounted detector amplifiers.
X. Remove existing handhole.
Y. Remove existing steel strain pole.
Z. Cap and abandon existing conduit.
a. Install 24 in. wide pavement marking - white for stop line.
b. Use existing steel pole and elbow. Rewire existing luminaire. Install video detection cameras.
c. Remove existing span wire and all attached equipment. Relocate existing opticom detectors.
d. Install Non-invasive probe (set of 3).
e. Use existing steel pole and remove all unnecessary equipment. Install backguy during construction.
f. Existing electrical service to be removed by others.
g. Install handhole on existing conduit.
h. Proposed overhead electrical service by Pepco.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment to be installed at 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 MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. Revision 'E' is a revision to the traffic signal built in January 1990 under S.H.A. Contract No.: P-920-501-371
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

REVISIONS

F	Reconstruct for new geometrics. S.H.A. No.:BW996M82	April 18, 2002			
FJH	FDB	MAR		BL	

Revision " F"

The Traffic Group
The Traffic Group, Inc.
410-931-6600
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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 210 (Indian Head Hwy.) at Livingston Rd./ Swan Creek Rd.

DRAWN BY:	D.C.D	F.A.P. NO.	N/A	TS NO. 1179F	SHEET NO.
CHECKED BY:	S. Renzi	S.H.A. NO.	P-920-501-371		
SCALE:	1" = 20'	COUNTY:	Prince George's	T.I.M.S. NO. D-025	1 OF 2
DATE:	January 1990	LOG MILE:	160210007.77		