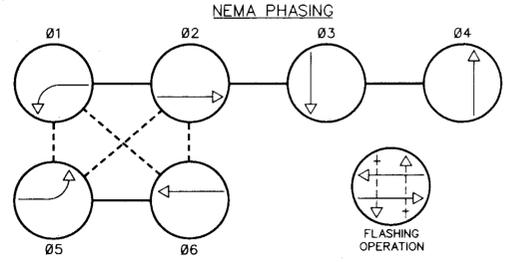
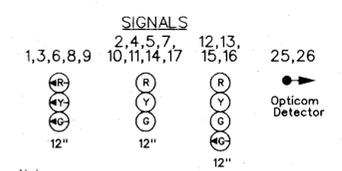


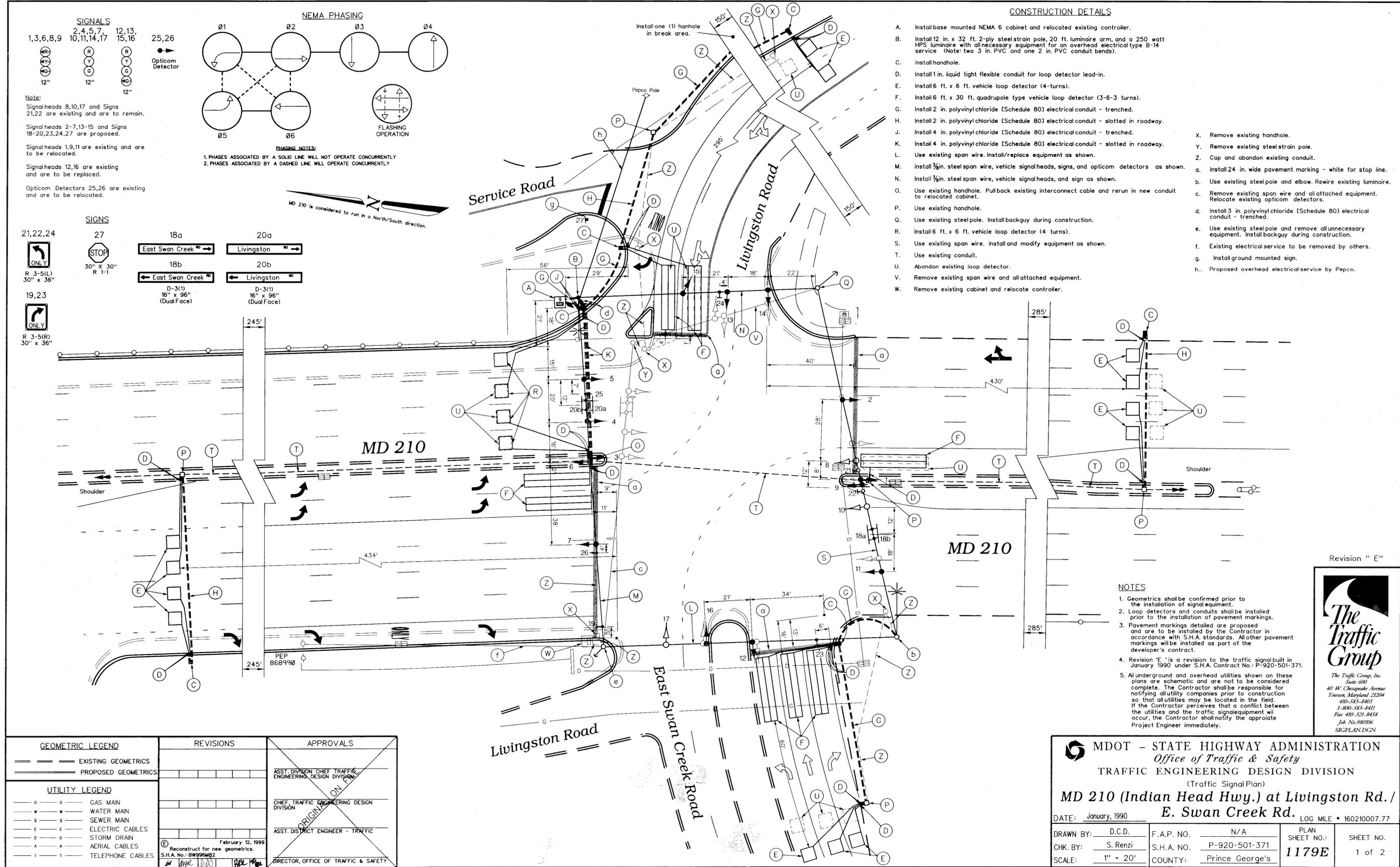
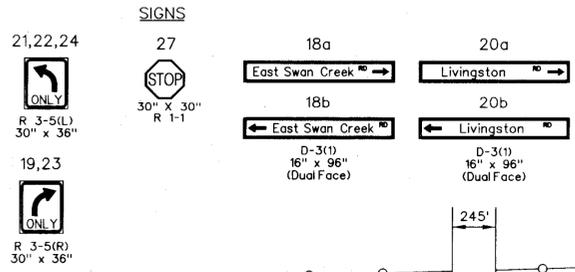
CONSTRUCTION DETAILS

- A. Install base mounted NEMA 6 cabinet and relocated existing controller.
- B. Install 12 in. x 32 ft. 2-ply steel strain pole, 20 ft. luminaire arm, 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 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
- G. Install 2 in. polyvinyl chloride (Schedule 80) electrical conduit - trenched.
- H. Install 2 in. polyvinyl chloride (Schedule 80) electrical conduit - slotted in roadway.
- 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. Install/replace equipment as shown.
- N. Install 3/8 in. steel span wire, vehicle signal heads, and sign as shown.
- O. Use existing handhole. Pullback existing interconnect cable and rerun in new conduit to relocated cabinet.
- P. Use existing handhole.
- Q. Use existing steel pole. Install backguy during construction.
- R. Install 6 ft. x 6 ft. vehicle loop detector (4 turns).
- 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.
- 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.
- c. Remove existing span wire and all attached equipment. Relocate existing opticom detectors.
- d. Install 3 in. polyvinyl chloride (Schedule 80) electrical conduit - trenched.
- 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 ground mounted sign.
- h. Proposed overhead electrical service by Pepco.



Note:
Signal heads 8,10,17 and Signs 21,22 are existing and are to remain.
Signal heads 2-7,13-15 and Signs 18-20,23,24,27 are proposed.
Signal heads 1,9,11 are existing and are to be relocated.
Signal heads 12,16 are existing and are to be replaced.
Opticom Detectors 25,26 are existing and are to be relocated.

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



- NOTES**
1. Geometrics shall be confirmed prior to the installation of signal equipment.
 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 will be installed as part of the developer's contract.
 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.

Revision " E "

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GEOMETRIC LEGEND	REVISIONS	APPROVALS
<p>EXISTING GEOMETRICS</p> <p>PROPOSED GEOMETRICS</p>	<p>February 12, 1999</p> <p>Reconstruct for new geometrics.</p> <p>S.H.A. No.: BW990402</p>	<p>ASST. DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION</p> <p>CHIEF TRAFFIC ENGINEERING DESIGN DIVISION</p> <p>ASST. DISTRICT ENGINEER - TRAFFIC</p> <p>DIRECTOR, OFFICE OF TRAFFIC & SAFETY</p>

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 210 (Indian Head Hwy.) at Livingston Rd. / E. Swan Creek Rd.

DATE: January, 1990 LOG MILE • 160210007.77

DRAWN BY: D.C.D.	F.A.P. NO. N/A	PLAN SHEET NO.: 1179E	SHEET NO. 1 of 2
CHK. BY: S. Renzi	S.H.A. NO. P-920-501-371		
SCALE: 1" = 20'	COUNTY: Prince George's		