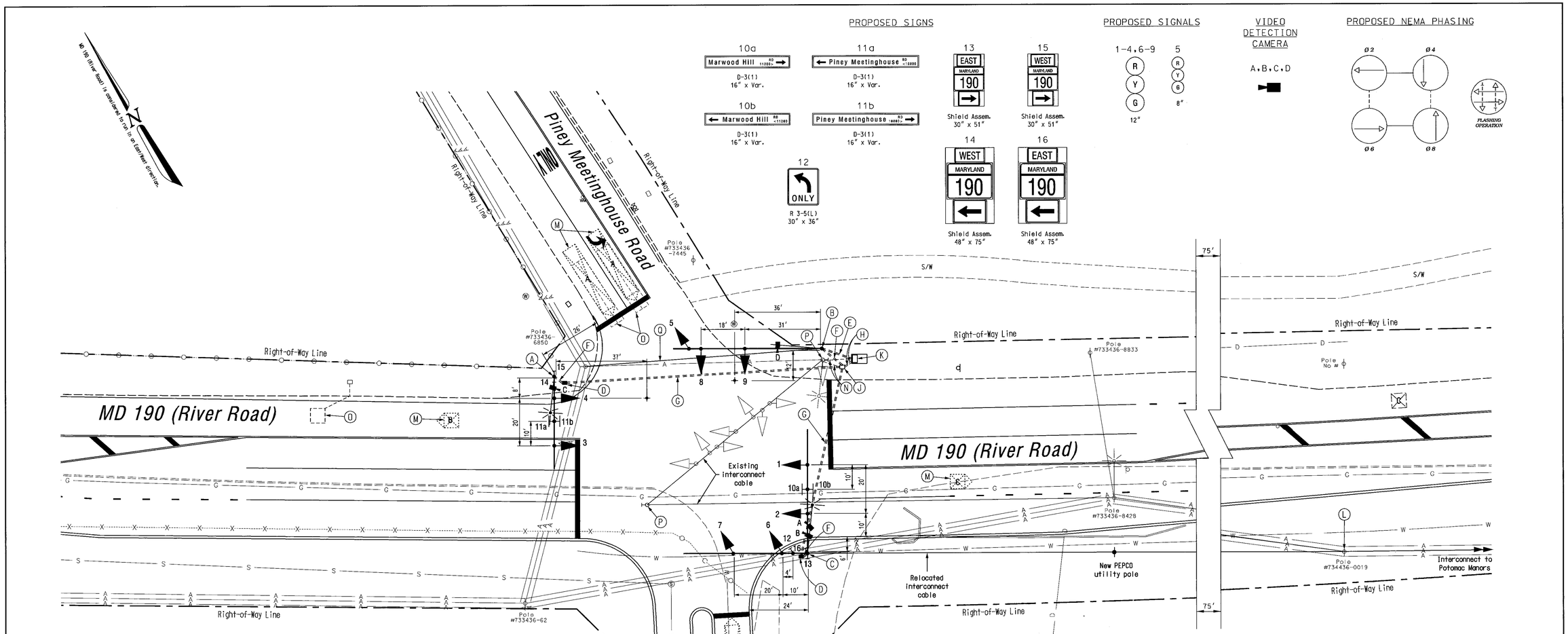

CONSTRUCTION DETAILS

A. Install 27 ft. steel mast arm pole with 38 ft. mast arm, vehicle signal heads, signs, 15 ft. luminaire arm, 250 watt HPS luminaire and video camera (Note: one 3 in. PVC conduit bend).
B. Install 27 ft. steel mast arm pole with 50 ft. mast arm, vehicle signal heads, 15 ft. luminaire arm, video camera, and all necessary equipment for overhead SHA Type B-14 electrical service (Note: one 3 in. PVC conduit bend).
C. Install 27 ft. steel twin mast arm pole with two 50 ft. mast arms, vehicle signal heads, signs, 15 ft. luminaire arm, 250 watt HPS luminaire, video cameras, and 3 in. weatherhead (Note: one 3 in. PVC conduit bend).
D. Install handhole.
E. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched. Tie to existing 2" elbow.
F. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
G. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
H. Use existing conduit.
J. Use existing handhole, upgrade existing frame and cover to new standards.
K. Use existing cabinet/controller. Install video detection hardware/software (Note: one 3 in. PVC conduit bend).
L. Use existing PEPCO pole # 734436-0019. Pull back existing interconnect cable from cabinet and rerun on new PEPCO pole, and new conduit back to cabinet/controller.
M. Proposed video detection zone.
N. Cap and abandon existing conduit.
O. Abandon existing loop detector.
P. Remove existing steel pole and all attached equipment.
Q. 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 to be installed by others, see Signing and Marking Plan for details.
4. 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.
5. Call Montgomery County TMC 48 hours to any work, to mark existing Traffic Signal equipment (240) 777-2100.

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

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