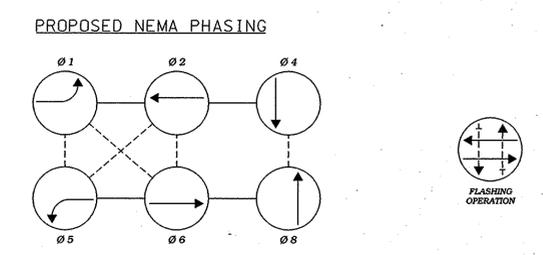
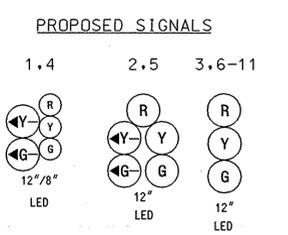
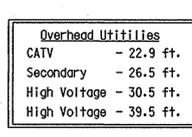
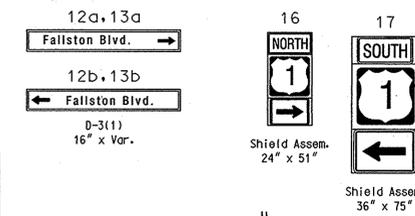
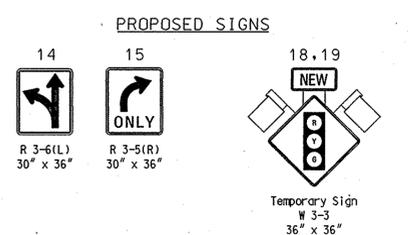
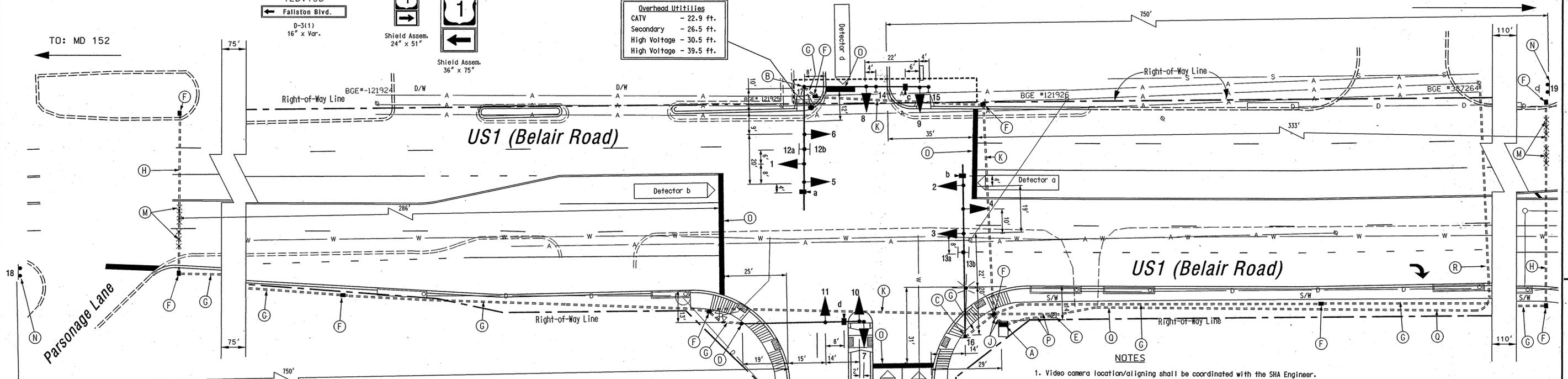


DRILL HOLES



**NEMA notes:**  
Phases associated by a dashed line will operate concurrently.  
Phases associated by a solid line will not operate concurrently.



- CONSTRUCTION DETAILS**
- Install base mounted NEMA 6 cabinet/controller, and necessary equipment.
  - Install 21 ft. steel twin mast arm pole [cut from a 27 ft. pole] with two 50 ft. mast arms vehicle signal heads, signs, and video detection cameras (Note: one 3 in. PVC conduit bend).
  - Install 27 ft. steel mast arm pole with a 70 ft. mast arm, vehicle signal heads, signs, video detection camera, 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend). Install 1 in. PVC riser for phone drop.
  - Install 21 ft. steel mast arm pole [cut from a 27 ft. pole] with a 50 ft. mast arm, vehicle signal heads, and video detection camera (Note: one 3 in. PVC conduit bend).
  - Install metered service pedestal for an underground electrical service per MD-SHA Type 807.05-01.
  - Install handhole.
  - Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
  - Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted prior to final overlay.
  - Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
  - Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted prior to final overlay.
  - Install non-invasive micro-loop probes.
  - Install ground mounted sign as shown.
  - Install 24 in. wide pavement marking - white for stop line.
  - Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
  - Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit with pull string - trenched for BGE electrical service.
  - Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit with pull string - Slotted in roadway for electrical service.

- NOTES**
- Video camera location/aligning shall be coordinated with the SHA Engineer.
  - The contractor shall verify all proposed pole and cabinet locations prior to installation.
  - All proposed luminaires shall be supplied with a photocell.
  - For final pavement markings refer to the Pavement Marking Plans. 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.
  - 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.
  - Poles are to be located so that they can be activated by a person in a wheelchair from a 60 in. x 60 in. level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.
  - 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**

--- GAS MAIN  
--- WATER MAIN  
--- SEWER MAIN  
--- ELECTRIC CABLES  
--- STORM DRAIN  
--- AERIAL CABLES  
--- TELEPHONE CABLES

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
Fallston Commons  
**US1(Belair Road) at Fallston Blvd.**

**TRAFFIC SIGNAL PLAN**

SCALE 1" = 20' DATE 3-8-07 CONTRACT NO. BW996M82

DESIGNED BY Frank Hoeckel COUNTY Harford  
DRAWN BY Frank Hoeckel LOG MILE 1200701.91  
CHECKED BY T.I.M.S. NO. 01 H-083  
F.A.P. NO. N/A TOD NO.

DRAWING NO. TS - 4495 SHEET NO. 1 OF 2

**APPROVALS**

TEAM LEADER [Signature] 3-16-07  
ASST. DIV. CHIEF [Signature] 3-16-07  
DIVISION CHIEF [Signature] 3-16-07  
OFFICE DIRECTOR [Signature] 3/16

**REVISIONS**


**NOTE**

These plans are approved for construction for a period of one (1) year from the date of approval. Should construction not begin within this time frame these plans shall be null and void without a re-review from the Traffic Engineering design Division.

**The Traffic Group, Inc.**  
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