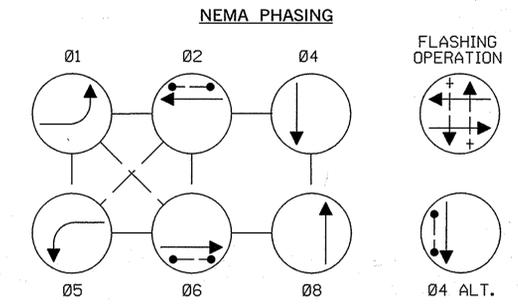
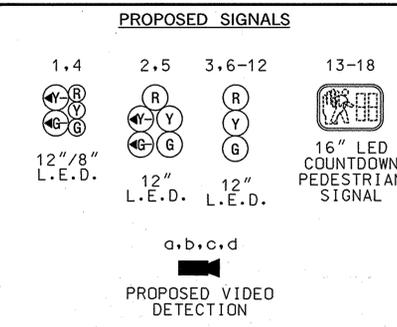
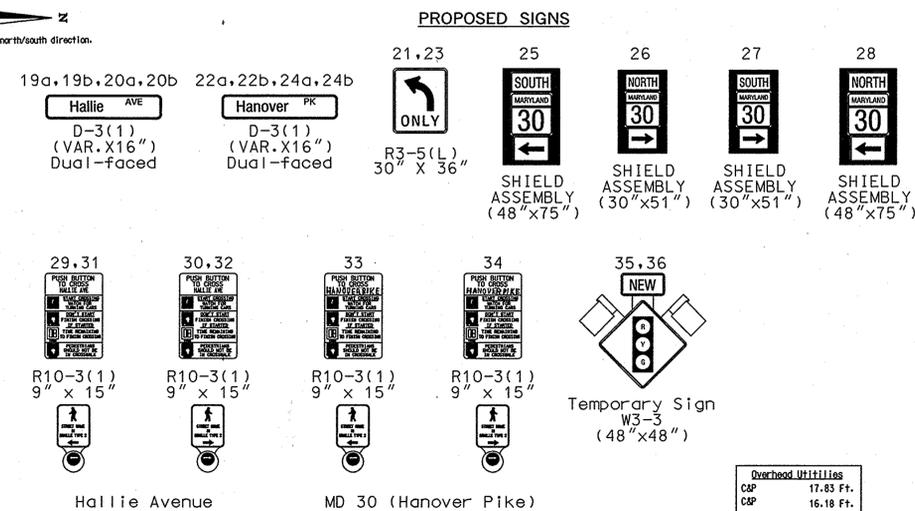
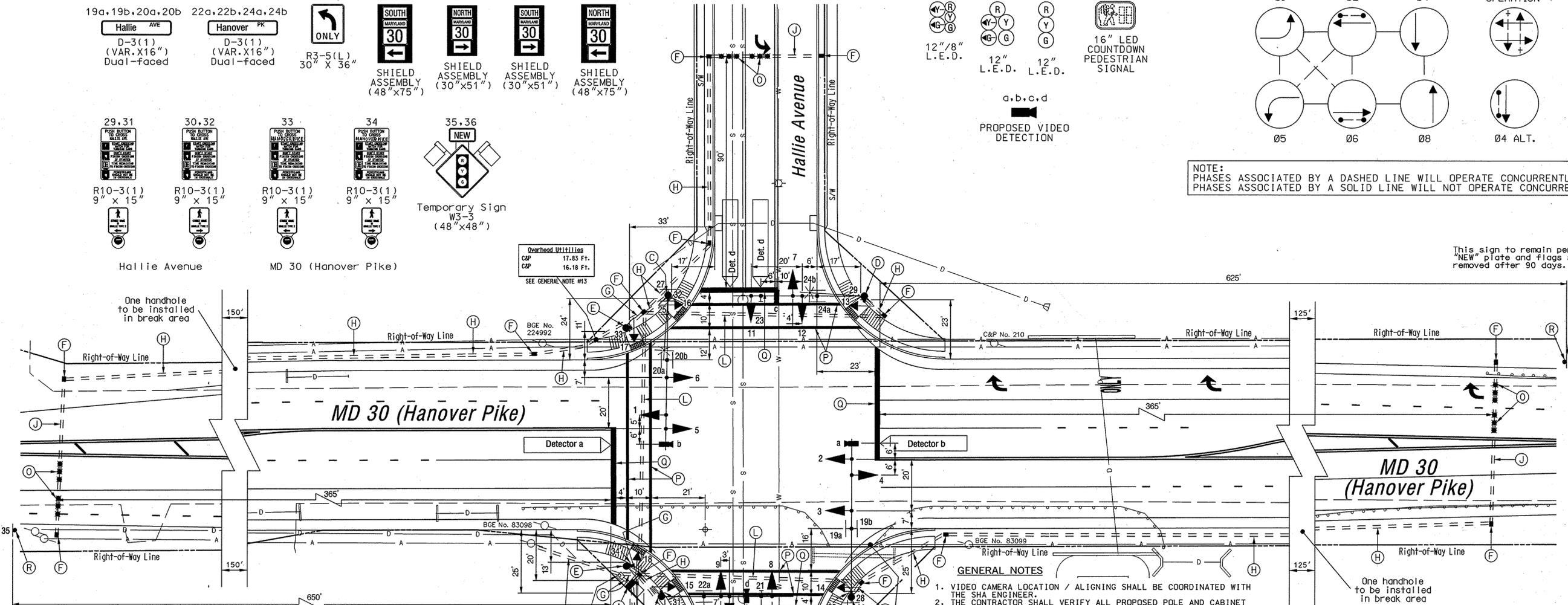


MD 30 is considered to run in a north/south direction.



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

This sign to remain permanent. "NEW" plate and flags shall be removed after 90 days.



CONSTRUCTION DETAILS

- Install base mounted NEMA six cabinet/controller and necessary equipment.
- Install metered service pedestal for underground electrical service per MD-SHA Typical 807.05-01.
- Install 27 ft. steel mast arm pole with a 60 ft. mast arm, vehicle signal heads, signs, camera, countdown pedestrian signal head, APS pushbutton station and sign, and pedestrian education sign 20 ft. luminaire arm, and 250 W HPS luminaire (Note: one 3 in. PVC conduit bend).
- Install 27 ft. steel mast arm pole with a 50 ft. mast arm, vehicle signal heads, signs, video detection camera, countdown pedestrian signal head, APS pushbutton station and sign, pedestrian education sign, 20 ft. luminaire arm, and a 250 W HPS luminaire (Note: one 3 in. PVC conduit bend).
- Install 10 ft. steel pedestal pole on break away base with countdown pedestrian signal head, APS pushbutton station and sign, pedestrian education sign (Note: one 2 in. PVC conduit bend).
- Install handhole.
- Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit with pull string - trenched for underground electrical service by BGE.
- Proposed 2 in. conduit for phone service by Verizon.
- Install (non-invasive) micro-loop probe (set of 3).
- Crosswalk installed by others. See plan prepared by CLSI.
- Stop line installed by others. See plan prepared by CLSI.
- Install ground mounted sign on (2) 4 in. x 6 in. wood posts.

GENERAL 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.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MD-SHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE 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" X 60" LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- IF THE LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSH BUTTONS MUST BE CHANGED, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER TO OBTAIN APPROVAL FOR THE NEW LOCATION TO ENSURE MUTCD Sec. 4E.09 & FIG. 4E-2 REQUIREMENTS ARE MET. ALL WORK MUST BE HALTED UNTIL THE PROJECT ENGINEER HAS OBTAINED AN APPROVED LOCATION OF, IF NECESSARY A DESIGN WAIVER IS OBTAINED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERING APS EQUIPMENT FOR PROGRAMMING TO THE MD-SHA SIGNAL MAINTENANCE SHOP.
- DETECTABLE WARNING SURFACES SHOWN TO BE INSTALLED BY OTHERS, SEE ROADWAY PLANS FOR DETAILS.
- OVERHEAD UTILITY LINES ARE TO BE RAISED BY BGE (WMS#1554374).

These plans are approved for construction for a period of 1 (one) year from 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.

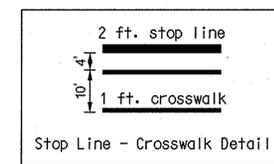
SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION

Hallie Hill Farm
MD 30 (Hanover Pike) at Hallie Avenue

Traffic Signal Plan

GEOMETRIC LEGEND	
---	EXISTING
- - -	PROPOSED

UTILITY LEGEND	
SO	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC



APPROVALS	REVISIONS								
<p>_____ PROJECT ENGINEER</p> <p>_____ DESIGNER</p> <p>_____ CHECKED BY</p> <p>_____ OFFICE DIRECTOR</p>	<table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>								

SCALE: 1" = 20'	ADVERTISED DATE: August 29, 2007	CONTRACT NO.: BW926M82
DESIGNED BY: J. Storck	COUNTY: Carroll	LOGMILE: 06003007.74
DRAWN BY: J. Storck	TIMS NO.: H905	TOD NO.:
CHECKED BY:		
F.A.P. NO.:		
TS NO. 4566	DRAWING - OF	SHEET NO. 1 OF 2

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BY: JStorck