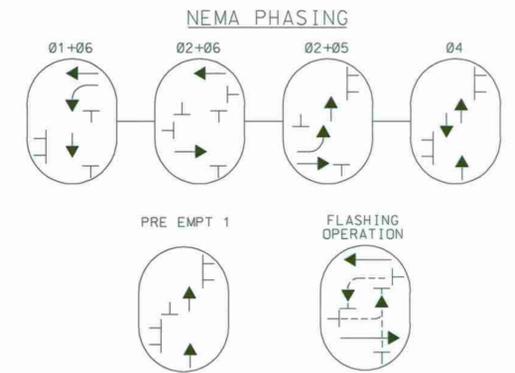
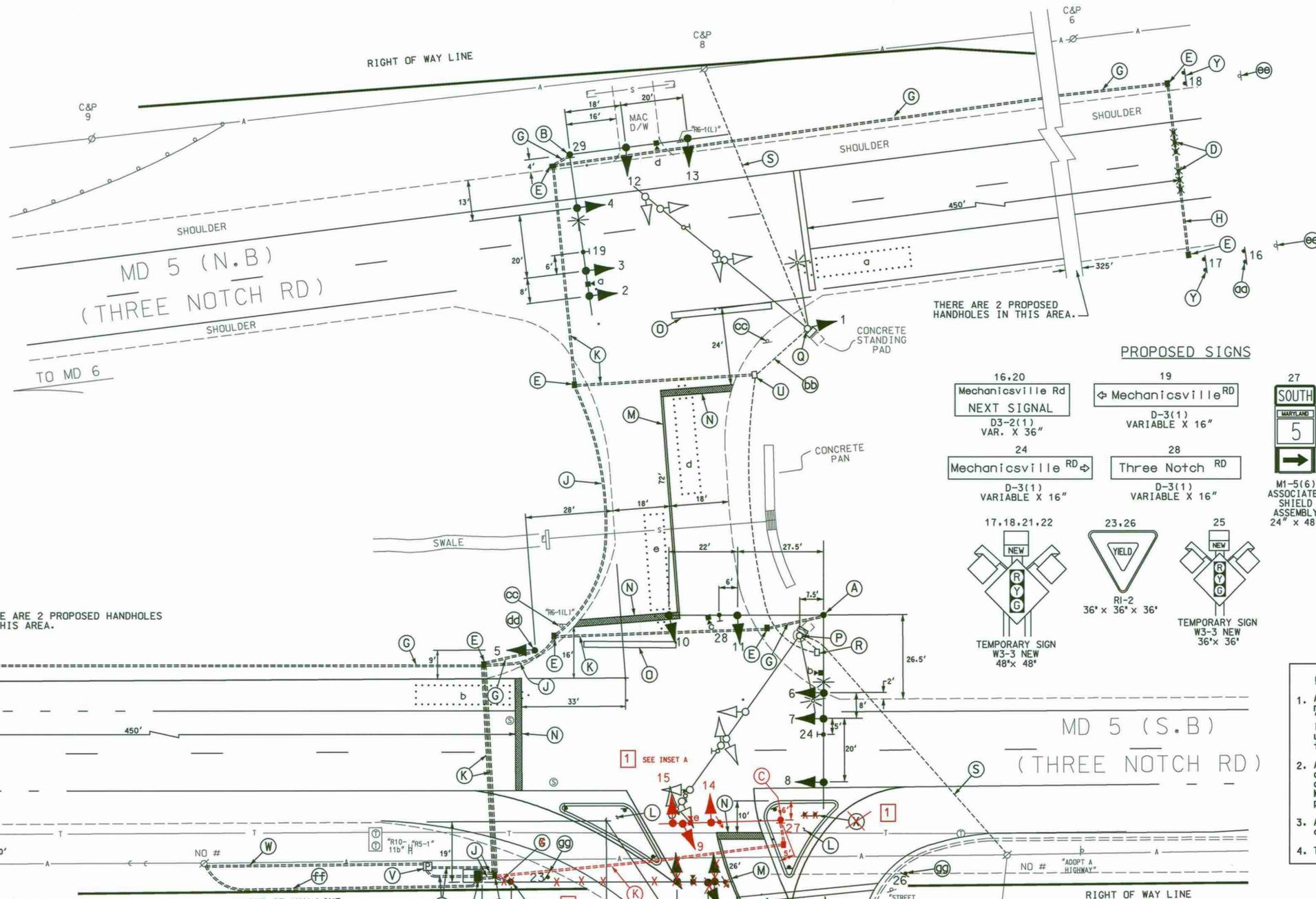


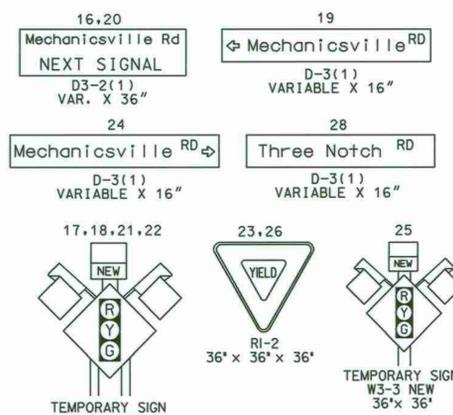
BURDER REV. DATE: June 1, 2004

MD 5 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

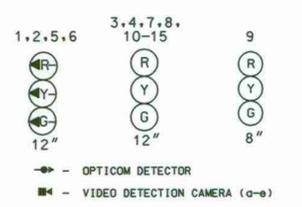


PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

PROPOSED SIGNS



PROPOSED LED SIGNALS



THERE ARE 2 PROPOSED HANDHOLES IN THIS AREA.

CONSTRUCTION DETAILS

- A. Install 27' steel pole with twin 50'-60' mast arms, traffic signal heads, signs, 20' lighting arm with a 250W-HPS luminaire and video detector cameras as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- B. Install 27' steel pole with twin 50'-50' mast arms, traffic signal heads, signs, 20' lighting arm with a 250W-HPS luminaire, and video detector cameras as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- C. Install 27' steel pole with a 70' mast arm, traffic signal heads, opticom eye and video detector camera and sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- D. Install non-invasive micro-loop probes as shown.
- E. Install handhole.
- F. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- G. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- H. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- J. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- K. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- L. Install proposed concrete island. (Note: See Sheet 2 of 3 for details).
- M. Install 5" double yellow, permanent preformed thermoplastic pavement marking. (centerline)
- N. Install 24" white, heat applied permanent preformed thermoplastic pavement marking.
- O. Remove existing pavement marking.
- P. Remove existing mast arm pole, all attached signal equipment and foundation. Backfill as necessary. (Note: Controller shall be picked up by SHA)
- Q. Remove existing mast arm, traffic signal heads sign, lighting equipment and pole mounted cabinet and controller. Install pole mounted traffic signal head. (Note: Mast arm pole shall remain. Controller shall be picked up by SHA)

CONSTRUCTION DETAILS (cont.)

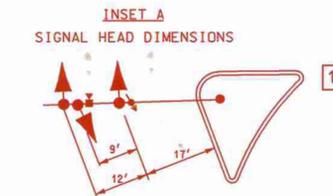
- R. Remove existing handhole. Cap and abandon existing conduit.
- S. Underground electrical service to be disconnected by SMECO.
- T. Install NEMA size "6" base-mounted cabinet and controller with video interface, opticom discriminator module and all necessary equipment as shown.
- U. Use existing handhole.
- V. Install metered pedestal.
- W. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with conduit bend at utility pole for underground electrical service by SMECO.
- X. Install ground mounted shield assembly sign as shown.
- Y. Install ground mounted W3-3 sign 700' prior to stopline.
- Z. Install ground mounted W3-3 sign 325' prior to stopline.
- aa. Install ground mounted D3-2(1) sign 775' prior to stopline.
- bb. Use existing conduit.
- cc. Remove existing R1-1 sign.
- dd. Install 14' breakaway pedestal pole with traffic signal head as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- ee. Remove existing W2-2 & D-3(2) signs and post.
- ff. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched) for phone drop.
- gg. Install ground mounted Yield sign as shown.

GENERAL NOTES:

- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" 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 will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
- 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, and MD 818.04 the contractor shall verify ultimate grades prior to the installation of all signal equipment.
- All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
- The contractor shall remove all unused wiring.

1 Redline Revision
Dated May 18, 2011

SHA MDOT - SHA
O.O.T.S.
S.H.A. Approval Date
T.S. # 3670B T.I.M.S. # K565



GEOMETRIC LEGEND

PROPOSED _____
EXISTING _____

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE A-A
ELECTRIC E-E
TELEPHONE T-T
GAS G-G
SEWER S-S
WATER W-W
CABLE TV TV-TV

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy., N.W.
Gaithersburg, MD 20878
Ph (410) 590-5500
Fax (410) 590-6637

APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
⑥ 1/14/2010	UPGRADE TO FULLY ACTUATED FULL COLOR SIGNAL S.H.A. No.: XX4475185 TMS: K565 RRZ
A	Add NB MD 5 indications. S.H.A. No.: X21005585 jlr KW DJD DZ T.H.

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 5 (THREE NOTCH ROAD)
AND MECHANICVILLE ROAD
MECHANICVILLE, MARYLAND

TRAFFIC SIGNAL PLAN			
SCALE	1" = 20'	DATE	January 22, 1998
CONTRACT NO.	AW2795185		
DESIGNED BY	K. Waller	COUNTY	St. Mary's
DRAWN BY	D. Doda	LOGMILE	18005040.25
CHECKED BY	D. Doda	TMS NO.	D-929
F.A.P. NO.	AC-STPG-000S(590)E	TOD NO.	
TS NO. 3760B	DRAWING NO. 1 OF 2	SHEET NO. OF	

PLOTTED: #DATEIME#
FILE: #FILE#