

DRILL HOLES

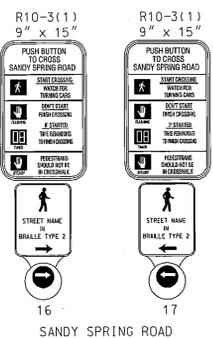
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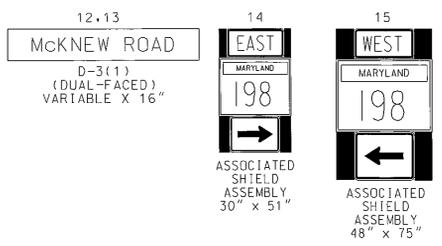
DRILL HOLES

BORDER REV. DATE: June 11, 2004

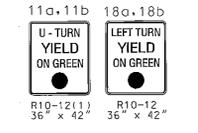
PROPOSED SIGNS



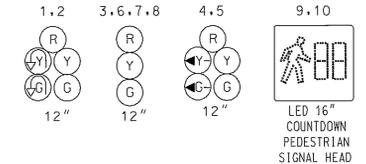
EXISTING SIGNS



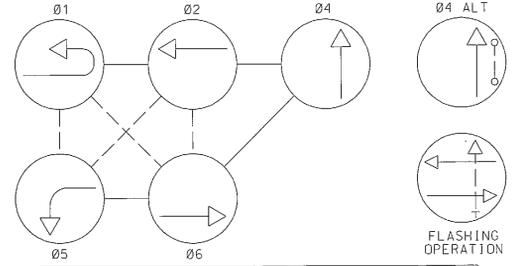
EXISTING SIGNS TO BE REMOVED



PROPOSED LED SIGNALS

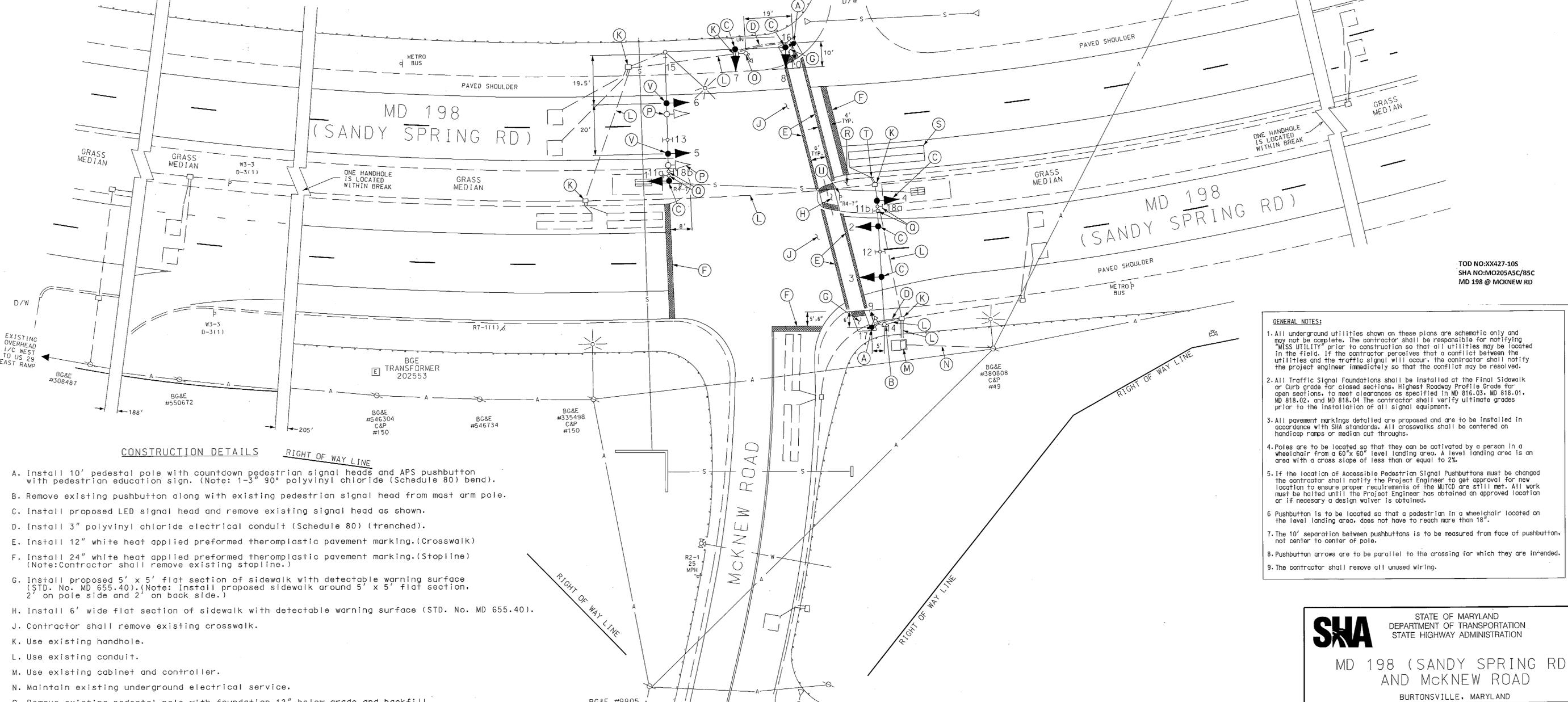


NEMA PHASING



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

MD 198 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION



TOD NO:XX427-105 SHA NO:MO205A5C/B5C MD 198 @ MCKNEW RD

- GENERAL NOTES: 1. 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. 2. 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. 3. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs. 4. Poles are to be located so that they can be activated by a person in a wheelchair from a 60"x60" level landing area. A level landing area is an area with a cross slope of less than or equal to 2%. 5. If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be held until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained. 6. Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18". 7. The 10' separation between pushbuttons is to be measured from face of pushbutton, not center to center of pole. 8. Pushbutton arrows are to be parallel to the crossing for which they are intended. 9. The contractor shall remove all unused wiring.

- CONSTRUCTION DETAILS: A. Install 10' pedestal pole with countdown pedestrian signal heads and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend). B. Remove existing pushbutton along with existing pedestrian signal head from mast arm pole. C. Install proposed LED signal head and remove existing signal head as shown. D. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched). E. Install 12" white heat applied preformed thermoplastic pavement marking.(Crosswalk) F. Install 24" white heat applied preformed thermoplastic pavement marking.(Stopline) (Note:Contractor shall remove existing stopline.) G. Install proposed 5' x 5' flat section of sidewalk with detectable warning surface (STD. No. MD 655.40).(Note: Install proposed sidewalk around 5' x 5' flat section, 2' on pole side and 2' on back side.) H. Install 6' wide flat section of sidewalk with detectable warning surface (STD. No. MD 655.40). J. Contractor shall remove existing crosswalk. K. Use existing handhole. L. Use existing conduit. M. Use existing cabinet and controller. N. Maintain existing underground electrical service. O. Remove existing pedestal pole with foundation 12" below grade and backfill. (Note: Contractor shall abandon existing conduit runs to this pole.) P. Remove existing signal head as shown. Q. Remove existing R10-12 sign as shown. R. Contractor shall remove existing sidewalk in the median. S. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3). T. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve). U. Relocate existing R4-7 sign as shown. V. Install proposed LED signal head on existing mast arm as shown.

GEOMETRIC LEGEND table with columns for PROPOSED and EXISTING, and rows for AERIAL CABLE, ELECTRIC, TELEPHONE, GAS, SEWER, WATER, CABLE TV.

REVISION "C" logo for STREET TRAFFIC STUDIES, LTD. with address and contact information.

APPROVALS table with columns for TEAM LEADER, ASST. DIV. CHIEF, DIVISION CHIEF, OFFICE DIRECTOR.

REVISIONS table with columns for description, date, and initials.

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION MD 198 (SANDY SPRING RD) AND MCKNEW ROAD BURTONSVILLE, MARYLAND

TRAFFIC SIGNAL PLAN table with columns for SCALE, DATE, CONTRACT NO., DESIGNED BY, COUNTY, DRAWN BY, LOGMILE, CHECKED BY, TMS NO., F.A.P. NO., TOD NO., TS NO., DRAWING NO., SHEET NO.