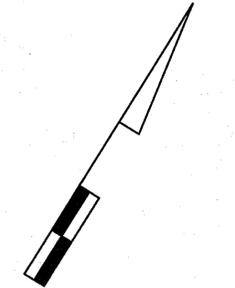


BORDER REV. DATE: JUNE 1, 2004

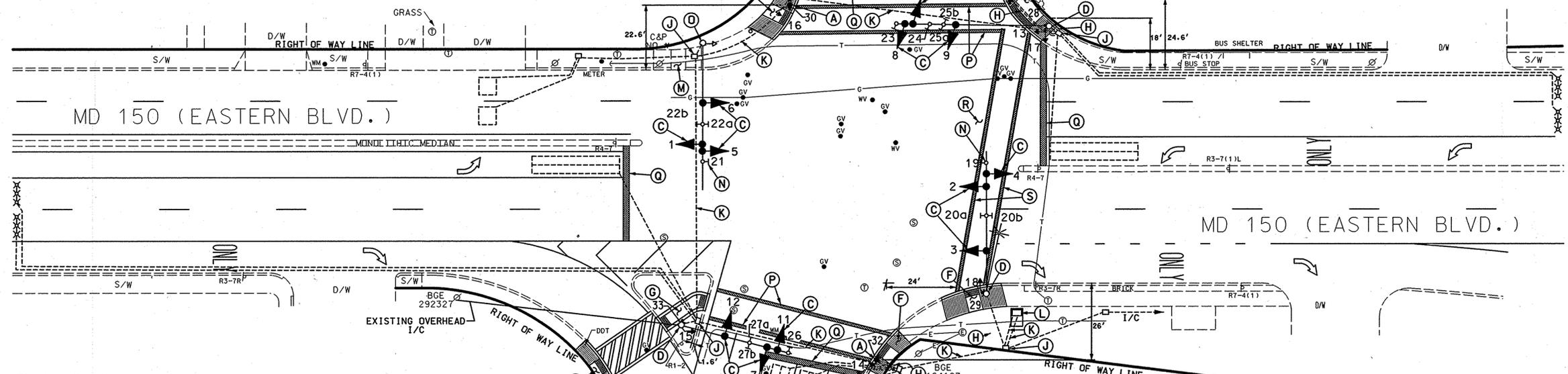
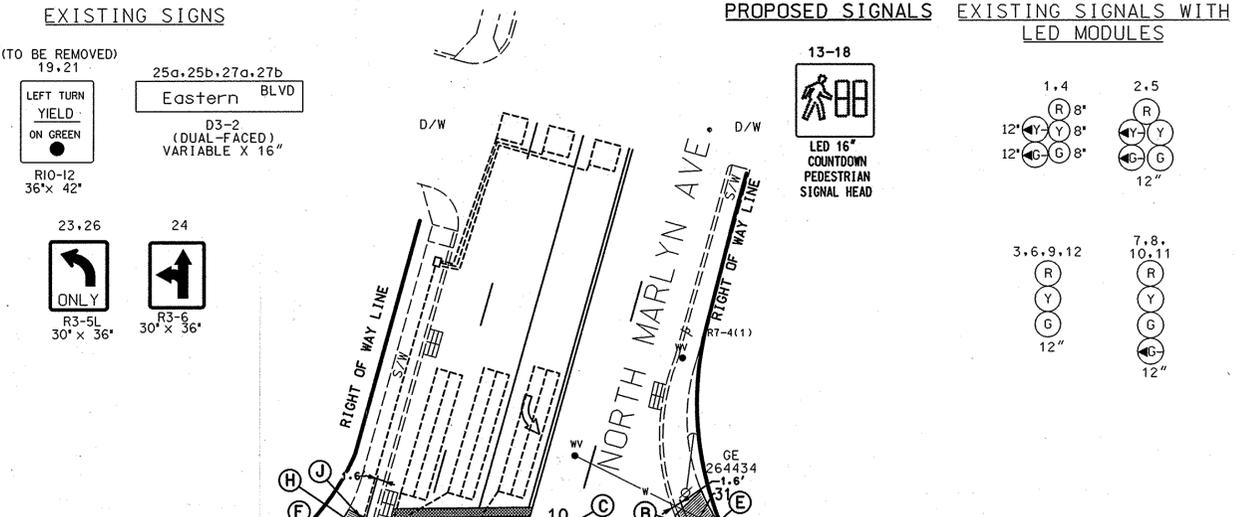
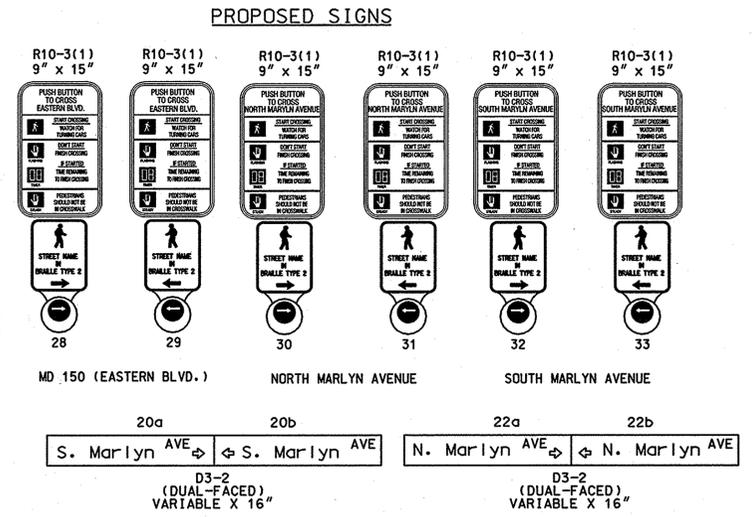
DRILL HOLES

DRILL HOLES

DRILL HOLES



MD 150 IS CONSIDERED TO RUN IN AN EAST - WEST DIRECTION



CONSTRUCTION DETAILS

- A. Install 10' breakaway pedestal pole with countdown pedestrian signal head and APS pushbutton with pedestrian education sign (R10-3(1)). (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
- B. Install 5' breakaway pedestal pole with APS pushbutton with and pedestrian education sign (R10-3(1)). (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
- C. Install proposed LED module bulb in existing signal head as shown.
- D. Remove existing pedestrian signal heads, existing pushbutton with pedestrian education sign and install countdown pedestrian signal head(s) with audible pushbuttons and pedestrian education sign as shown.
- E. Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface RED (STD. No. MD 655.40). (Note: Contractor shall install 10' flat area from face of curb to back of sidewalk.)
- F. Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface RED (STD. No. MD 655.40).
- G. Install proposed cut-through island opening (STD. No. MD 655.21) with detectable warning surface RED (STD. No. MD 655.40).
- H. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- J. Use existing handhole.
- K. Use existing conduit.
- L. Use existing cabinet and controller.
- M. Contractor shall remove existing handicap ramp and replace it with 5" sidewalk along with standard type "A" curb/gutter.
- N. Remove existing overhead R10-12 sign.
- O. Remove existing pedestrian signal head and any other pedestrian associated equipment from signal pole.
- P. Remove existing pavement marking and install 12 white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk).
- Q. Remove existing pavement marking and install 24 white, heat applied permanent preformed thermoplastic pavement marking. (stopline).
- R. Remove existing pavement marking (crosswalk)
- S. Install 12 white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk).

- 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. Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18" from a 60" x 60" level landing area with a cross slope of less than or equal to 2%.
 5. The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.
 6. Pushbutton arrows are to be parallel to the crossing for which they are intended.
 7. Location of Accessible Pedestrian signal pushbuttons must meet location requirements of MUTCD Sec. 4E.09 and Fig. 4E.2 and the NCHRP publication, Accessible Pedestrian Signals: Guide to Best Practice. If not met, the Contractor is to stop work on pushbutton locations until a design waiver is obtained, approved by the Director, Office of Traffic and Safety.
 8. The contractor shall remove all unused wiring.

TOD NO: XX448-02
SHA NO: BA838A52/B52
MD 150@NORTH
MARLYN/SOUTH MARLYN

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 150 (EASTERN BLVD) AND MARLYN AVENUE (NORTH/SOUTH)
ESSEX, MARYLAND

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE
ELECTRIC
TELEPHONE
GAS
SEWER
WATER
CABLE TV

REVISION "D"

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APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

D INSTALL APS/CPS ON NORTH, SOUTH AND EAST LEG
TIMS # 1555 SHAP# XX448E195
JWA 1/21/04 2/9/09

REBUILD EXISTING SIGNAL AND INTERCONNECT

BT BRK TH

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 2/09/99 CONTRACT NO. _____

DESIGNED BY WRS COUNTY BALTIMORE
DRAWN BY CRM LOGMILE 03015003.88
CHECKED BY TMS NO. 1555
F.A.P. NO. TOD NO. _____

TS NO. 3017D DRAWING NO. 1 OF 2 SHEET NO. OF _____

PLOTTED: 4/04/09 10:00 AM
FILE: 9FILES

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