

PROPOSED SIGNS

EXISTING SIGNS

PROPOSED SIGNALS

EXISTING SIGNALS

NEMA PHASING

DRILL HOLES

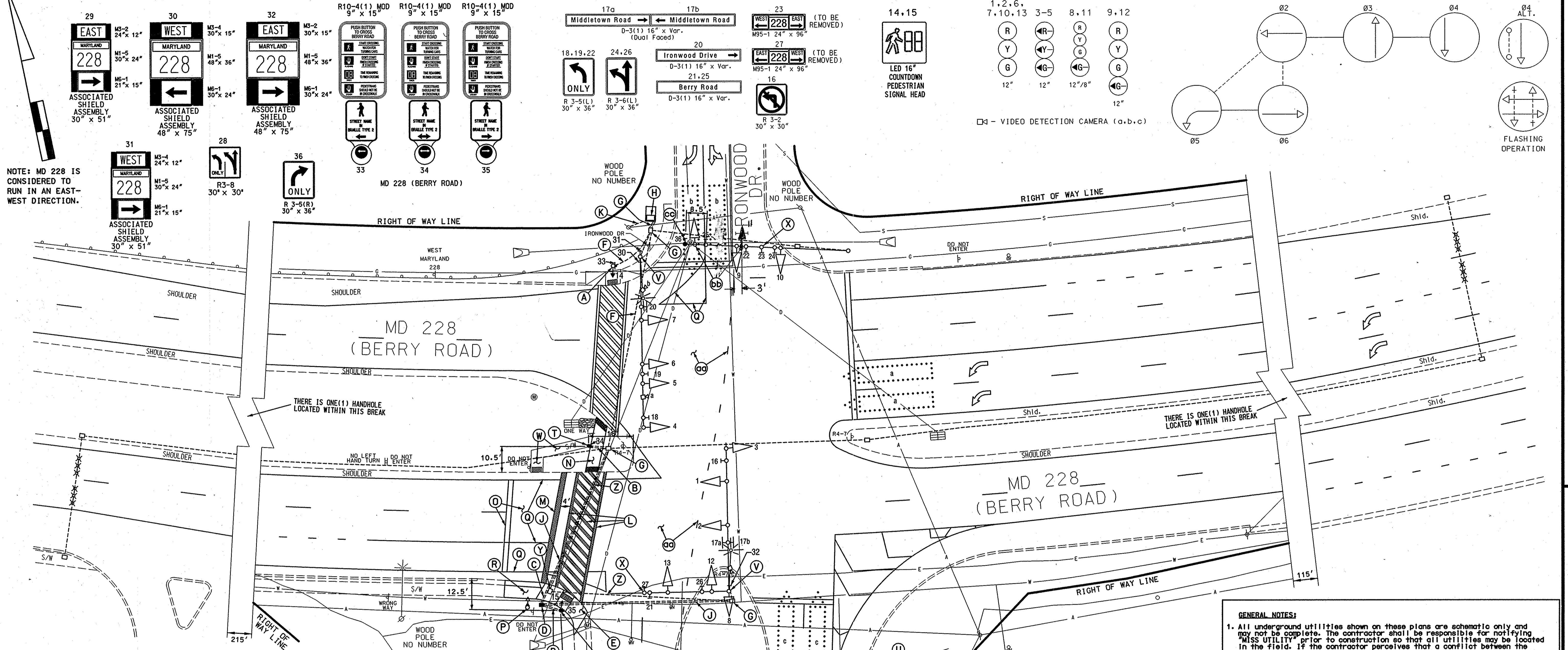
DRILL HOLES

DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: June 1, 2004



NOTE: MD 228 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.

CONSTRUCTION DETAILS

- A. Remove existing pedestrian signal heads, pushbutton, pedestrian sign from existing pedestal pole. Install Countdown pedestrian signal head, APS pushbutton and pedestrian education sign as shown.
- B. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- C. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- D. Install handhole.
- E. Install proposed parallel handlopped ramp (Std. No. MD 655.12) with detectable warning surface. (Std No. MD 655.40).
- F. Use existing conduit.
- G. Use existing handhole.
- H. Use existing base-mounted cabinet and controller.
- J. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).
- K. Existing underground service maintained by SMECO.
- L. Install 12" white heat applied preformed thermoplastic pavement marking. (crosswalk)
- N. Contractor shall install 5' sidewalk with curb and gutter and detectable warning surface (Std No. MD 655 40) as shown.
- M. Install 24" white heat applied preformed thermoplastic pavement marking (stapline).
- O. Contractor shall grind existing crosswalk and stapline.
- P. Remove existing pedestal pole and all associated equipment and cap conduit.
- Q. Contractor shall install 5" lane marking as shown.
- R. Contractor shall remove existing handicap ramp. Install 5' sidewalk with curb and gutter.
- S. Install 10' pedestal pole, Countdown pedestrian signal head, APS pushbutton and pedestrian education sign as shown. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
- T. Install 5' pedestal pole with APS pushbutton and pedestrian education sign as shown. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
- U. Install ground mounted sign on 4" x 6" wood post.
- V. Install Associated Shield Assembly on existing mast arm pole as shown.
- W. Remove existing sidewalk in median.
- X. Remove existing overhead sign.
- Y. Remove existing handhole.
- Z. Abandon existing conduit.
- aa. Install 3'.9" (space) puppy tracks as shown and remove existing.
- bb. Relocate existing signal head as shown.
- cc. Install overhead sign as shown.

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. The contractor shall remove all unused wiring.
3. 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 halted until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained.
4. Crosswalk shall be centered on handicap ramp as shown.
5. 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.

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 228 (BERRY ROAD) AND MIDDLETOWN ROAD/ IRONWOOD DRIVE
WALDORF, MD

TOD NO: AT936-07
SHA No: CH343A52/C52
MD 228 @ Middletown Rd/Ironwood Drive

TRAFFIC SIGNAL PLAN	
SCALE 1"=20'	DATE Nov. 27, 2001 CONTRACT NO.
DESIGNED BY F. Hoeckel	COUNTY Charles
DRAWN BY	LOGMILE 08228007.57
CHECKED BY N/A	TIMS NO. 1036
F.A.P. NO.	TOD NO.
TS NO. 3786C	DRAWING NO. 1 OF 2 SHEET NO. OF

REVISION "C"

5191.dgn T-57

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

REVISIONS	
INSTALL APS AND CPS SHA NO. 1419365183 JWA 12/28/01	3/28/01
ASBUILT SHA NO. 1 RRZ	8/16/05
A ADD PEDESTRIAN PHASE TIMS # F963 SHA NO. 1 8W996M82	9/30/2003
B.T. MAR DAZ BRK TH	

PLOTTED: #DATE#
FILE: #FILE#

FILE: 03_2007_13-47-95