DRILL HOLES

BORDER REV: DATE: June 1, 2004

PROPOSED SIGNS

R10-4(1) MOD 9" x 12" — PUSH BUTTON TO CROSS THREE NOTCH RD — START CROSSING WATCH FOR TURNING CARS — DON'T START FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2 — 35,36 — MD 235 (THREE NOTCH RD)

R10-4(1) MOD 9" x 12" — PUSH BUTTON TO CROSS MILLSTONE LANDING RD — START CROSSING WATCH FOR TURNING CARS — DON'T START FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2 — 34 — MILLSTONE LANDING RD

R10-4(1) MOD 9" x 12" — PUSH BUTTON TO CROSS MILLSTONE LANDING RD — START CROSSING WATCH FOR TURNING CARS — DON'T START FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2 — 38 — MILLSTONE LANDING RD

R10-4(1) MOD 9" x 12" — PUSH BUTTON TO CROSS MACARTHUR BLVD — START CROSSING WATCH FOR TURNING CARS — DON'T START FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2 — 39 — MACARTHUR BLVD

R10-4(1) MOD 9" x 12" — PUSH BUTTON TO CROSS MACARTHUR BLVD — START CROSSING WATCH FOR TURNING CARS — DON'T START FINISH CROSSING IF STARTED — TIME REMAINING TO FINISH CROSSING — PEDESTRIANS SHOULD NOT BE IN CROSSWALK — STREET NAME IN BRAILLE TYPE 2 — 40 — MACARTHUR BLVD

NOTE: MD 235 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

PROPOSED SIGNALS

15-20

LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

SIGNS

21,22,24 25,27,28,29 — R3-5 — 30 in. x 36 in.

23, 26A — D3-2 — VARIABLE X 32 in. — Millstone Landing RD / Mac Arthur BLVD

26, 23A — D3-2 — VARIABLE X 32 in. — Mac Arthur BLVD / Millstone Landing RD

30 — R3-6 — 30" x 36"

31 — R6-1(L) 36 in. x 12 in., M3-1 30 in. x 15 in., M1-5 48 in. x 36 in., M6-1 30 in. x 24 in. — ONE WAY NORTH 235 — ASSOCIATED SHIELD ASSEMBLY 48 in. x 75 in.

31 — R6-1(R) 36 in. x 12 in., M3-3 24 in. x 12 in., M1-5 30 in. x 24 in., M6-1 9 in. x 12 in. — ONE WAY SOUTH 235 — ASSOCIATED SHIELD ASSEMBLY 30 in. x 48 in.

33,34 — PUSH BUTTON TO CROSS MD 235 — R10-4(1) 9 in. x 12 in. (To be removed)

32 — R6-1(L) 36 in. x 12 in., M3-3 30 in. x 15 in., M1-5 48 in. x 36 in., M6-1 30 in. x 24 in. — ONE WAY SOUTH 235 — ASSOCIATED SHIELD ASSEMBLY 48 in. x 75 in.

33 — R6-1(R) 36 in. x 12 in., M3-1 24 in. x 12 in., M1-5 30 in. x 24 in., M6-1 9 in. x 12 in. — ONE WAY NORTH 235 — ASSOCIATED SHIELD ASSEMBLY 30 in. x 48 in.

SIGNALS

1,2 5,6 — 12 in.

9,10, 12,13 — 12 in.

3,4,7, 8,11,14 — 12 in.

—O— OPTICOM DETECTOR

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø4 ALT

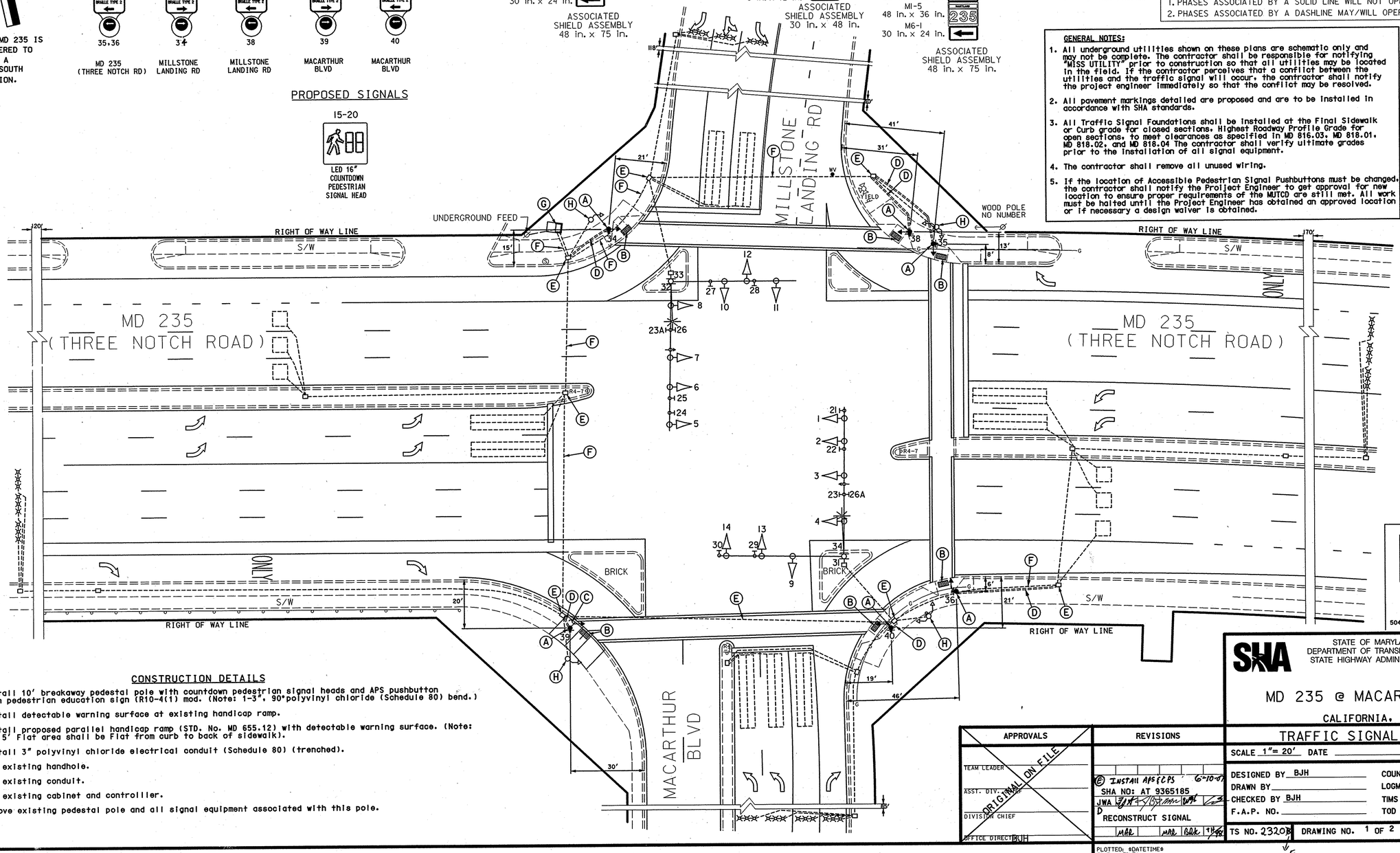
Ø5 Ø6 FLASHING OPERATION Ø2 & Ø6

PRE-EMPTION PHASING

PHASING NOTES:
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHLINE MAY/WILL OPERATE CONCURRENTLY.

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 pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
3. 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.
4. The contractor shall remove all unused wiring.
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 halted until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained.



CONSTRUCTION DETAILS

A. Install 10' breakaway pedestal pole with countdown pedestrian signal heads and APS pushbutton with pedestrian education sign (R10-4(1) mod. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Install detectable warning surface at existing handicap ramp.

C. Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface. (Note: The 5' flat area shall be flat from curb to back of sidewalk).

D. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

E. Use existing handhole.

F. Use existing conduit.

G. Use existing cabinet and controller.

H. Remove existing pedestal pole and all signal equipment associated with this pole.

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

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SHA — STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

MD 235 @ MACARTHUR BLVD.

CALIFORNIA, MD

TRAFFIC SIGNAL PLAN

APPROVALS	REVISIONS
TEAM LEADER	(E) INSTALL APS & CPS 6-10-07
ASST. DIV.	SHA NO: AT 9365185
DIVISION CHIEF	JWA
OFFICE DIRECTOR BJH	(D) RECONSTRUCT SIGNAL
ORIGINAL ON FILE	MAR MAR

PLOTTED: $DATETIME$
FILE: $FILE$

SCALE 1"= 20' DATE CONTRACT NO.

DESIGNED BY BJH — COUNTY ST. MARY'S
DRAWN BY — LOGMILE 18023514.43
CHECKED BY BJH — TIMS NO. F200
F.A.P. NO. — TOD NO.

TS NO. 2320B (E) — DRAWING NO. 1 OF 2 — SHEET NO. OF

6/6/2007 7:13:28 AM