DRILL HOLES

BORDER REV. DATE: June 1, 2004

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

PROPOSED SIGNS

R10-3(1) 9" x 15" — 23, 24 — THREE NOTCH ROAD

R10-3(1) 9" x 15" — 25, 26 — EXPEDITION PARK DRIVE

EXISTING SIGNS

13,14,19 — R3-5 ONLY 30"x 36"

18 — R3-6 30"x 36"

17 / 17a — Expedition Park DR / Expedition Park DR — D3-2 VARIABLE X 16 in. (DUAL FACE)

15 — Expedition Park DR — D3-2 VARIABLE X 16 in.

22 — Expedition Pk DR / Exploration Pk DR — D3-2 VARIABLE X 32 in.

16 — R3-2L 36"x 36"

20 — SOUTH 235 — ASSOCIATED SHIELD ASSEMBLY 48"x 75"

21 — NORTH 235 — ASSOCIATED SHIELD ASSEMBLY 30"x 51"

PROPOSED SIGNALS

1,2 — 12"

3,4,5, 6,8 — 12"

7 — 12"

9-12 — LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

EXISTING SIGNALS

12" 12" 12"

-O- OPTICOM DETECTOR

NEMA PHASING

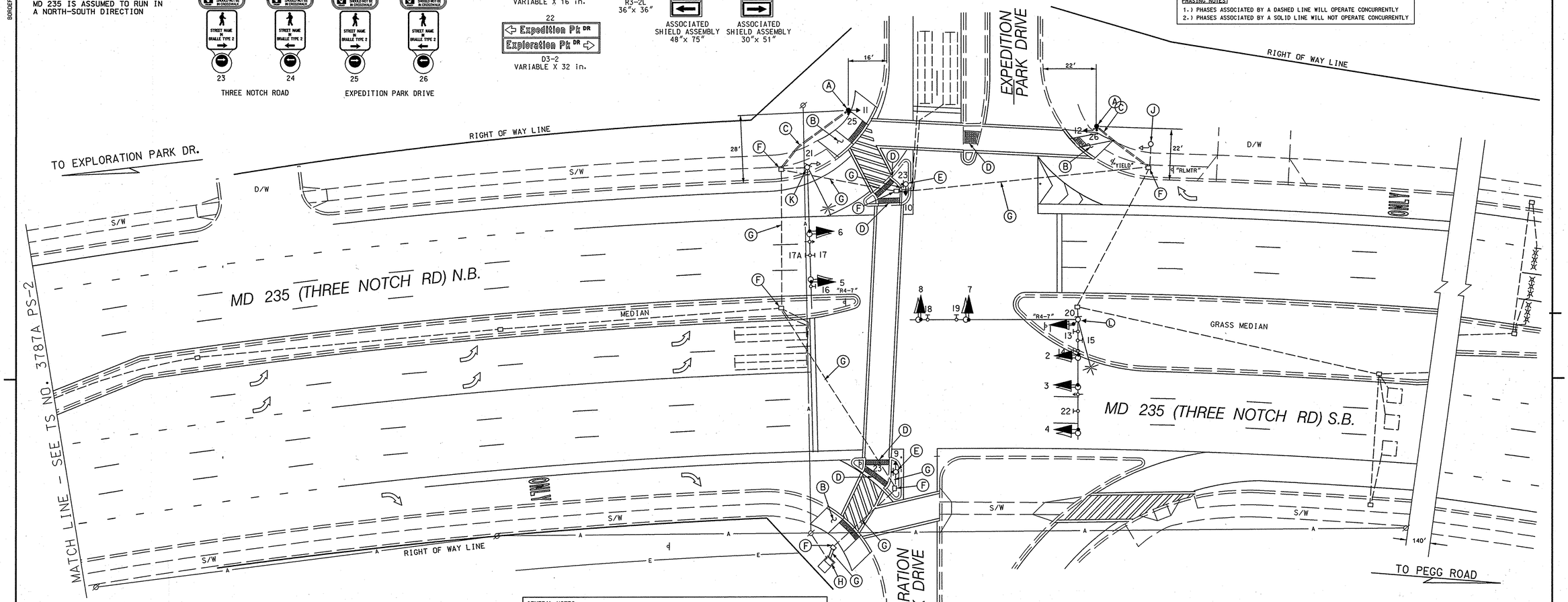
Ø1 Ø2 Ø3 Ø4 Ø4 ALT Ø5 Ø6 Ø8 Ø8 ALT

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

PRE-EMPTION PHASING

PE #1 PE #2

FLASHING OPERATION



CONSTRUCTION DETAILS

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

B. Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40). (Note: The 5' Flat area shall be Flat from curb to back of sidewalk).

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

D. Install detectable warning surface (STD. No. MD 655.40) as shown.

E. Remove existing pedestrian signal head, pushbutton and install proposed countdown pedestrian signal heads and APS pushbutton with pedestrian education sign (R10-4(1) mod. to existing pedestal pole as shown.

F. Use existing handhole.

G. Use existing conduit.

H. Use existing cabinet and controller.

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

K. Remove existing pedestrian signal head from mast arm pole. Remove existing signal heads and install proposed LED signal heads.

L. Remove existing signal heads and install proposed LED signal heads.

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"x 60" 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 halted until the Project Engineer has obtained an approved location or if necesary 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 separation between pushbuttons is to be measured from face of pushbutton, not center to center of pole.
8. The contractor shall remove all unused wiring.

GEOMETRIC LEGEND

PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

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

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 235 (THREE NOTCH RD) @ EXPEDITION PARK DRIVE/ EXPLORATION PARK DRIVE

TRAFFIC SIGNAL PLAN

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

ORIGINAL ON FILE

A INSTALL APS/CPS and LED SIGNAL HEADS
SHA # AT9135185 01/15/2008
FJA 7687

SCALE 1"= 20' DATE APRIL, 2000 CONTRACT NO.

DESIGNED BY SMH
DRAWN BY SMH
CHECKED BY SMH/BLB
F.A.P. NO.

COUNTY ST. MARY'S
LOGMILE 18023513.13
TIMS NO. 1970
TOD NO.

TS NO. 3738B PS-1 | DRAWING NO. 1 OF 2 | SHEET NO. OF

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