DRILL HOLES

BORDER REV: DATE: June 1, 2004

MD 5 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

EXISTING SIGNS

26 — Point Lookout Rd — D3-2 VARIABLE X 16"

27 — Point Lookout Rd — D3-2 (DUAL-FACED) VARIABLE X 16"

19,20 — ONLY — R3-5 30" x 36"

28 — NO TURN ON RED — R10-11b 24" x 24"

24 — R3-1 30" x 30"

25 — SOUTH / MARYLAND / 5 — M3-3 30"x 15", M1-5 36"x 36", M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 36" x 75"

18 — EAST / MARYLAND / 246 — M3-2 24"x 12", M1-5 30"x 24", M6-1 21"x 15" — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

21 — EAST / MARYLAND / 246 — M3-2 24"x 12", M1-5 30"x 24", M6-1 21"x 15" — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

29,31 — PUSH BUTTON TO CROSS GREAT MILLS ROAD — START CROSSING WATCH FOR TURNING CARS — DON'T START FINISH CROSSING IF STARTED — PEDESTRIANS SHOULD NOT BE IN CROSSWALK — R10-4C 9" x 12"

PROPOSED SIGNS

23 — NORTH / MARYLAND / 5 — M3-1 24"x 12", M1-5 24"x 24", M6-2 21"x 15" — ASSOCIATED SHIELD ASSEMBLY 24" x 51"

22 — Great Mills Rd — D3-2 (DUAL-FACED) VARIABLE X 16"

30 — PUSH BUTTON TO CROSS GREAT MILLS ROAD — START CROSSING WATCH FOR TURNING CARS — DON'T START FINISH CROSSING IF STARTED — PEDESTRIANS SHOULD NOT BE IN CROSSWALK — R10-4C 9" x 12" (TO BE FURNISHED AND INSTALLED WITH PUSHBUTTON BY THE CONTRACTOR)

EXISTING SIGNALS

1,2 — R Y G — 12"

3,4,8,10 — R Y G — 12"

7,9 — R Y G G — 12"

12,13 — R Y G — 12"

PROPOSED SIGNALS

5,6 — R Y G — 12"

11 — R Y G — 12"

14-17 — LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

EXISTING SIGNALS TO BE REMOVED

12"

NEMA PHASING

Ø1 Ø2 Ø3 Ø2 ALT Ø6 Ø4

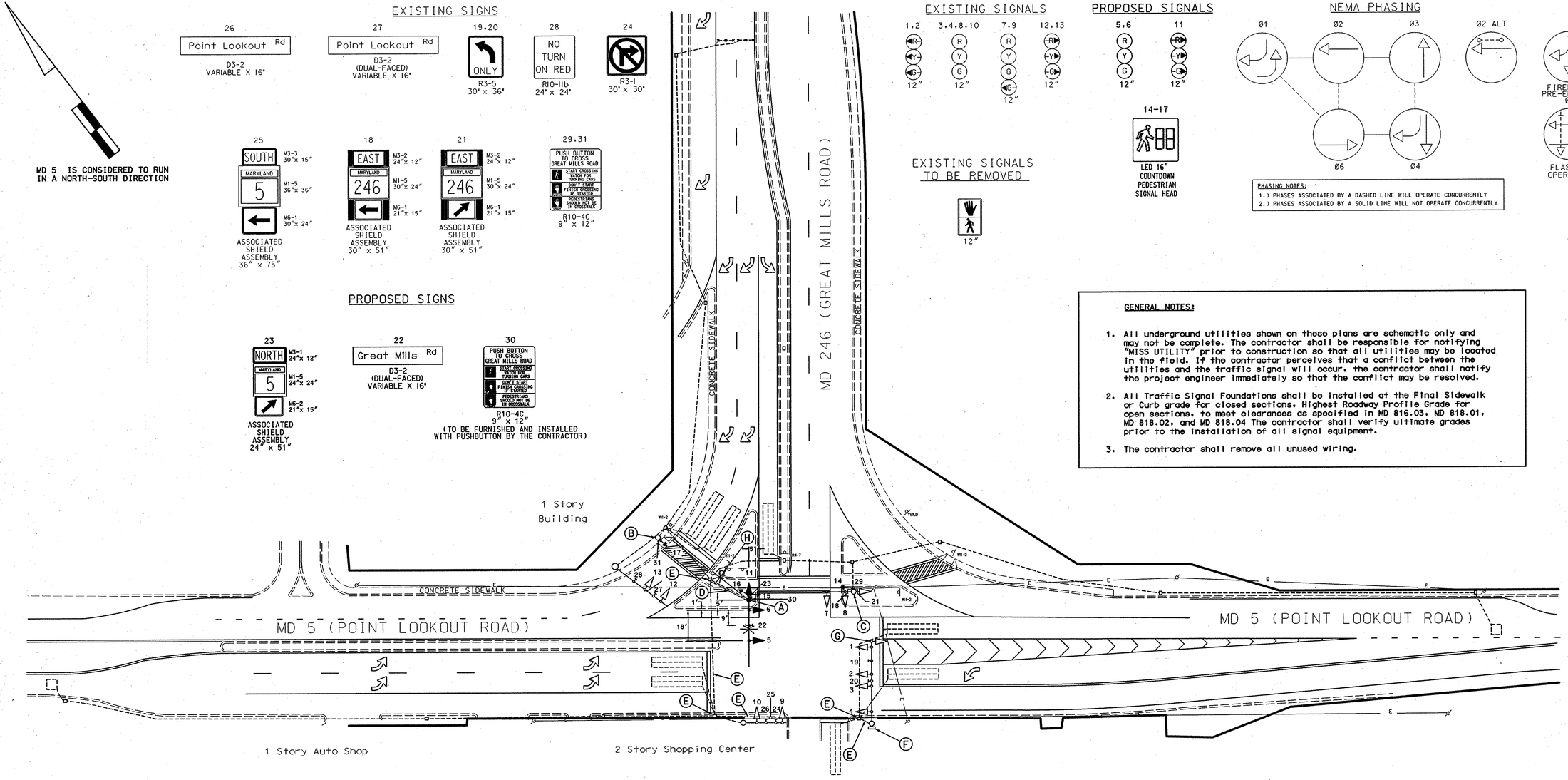
FIREHOUSE PRE-EMPTION Ø4

FLASHING OPERATION

PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT 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 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. The contractor shall remove all unused wiring.



CONSTRUCTION DETAILS

A. Contractor shall furnish and install 27' steel pole with single 38' mast arm, 15'and 20' lighting arms with 250 watt HPS lamp, luminaire, signs, traffic signal heads, pole mounted signal head, pushbutton and countdown pedestrian signal heads with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

B. Remove existing pedestrian signal head Install countdown pedestrian signal heads on existing pedestal pole.

C. Remove existing pedestrian signal head, pole mounted signal head and Install countdown pedestrian signal heads on existing mast arm pole.

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

E. Use existing conduit and/or handhole.

F. Use existing pole mounted cabinet and controller.

G. Remove existing signal head from mast arm.

H. Remove existing foundation 12" below grade and backfill.

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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APPROVALS
ORIGINAL ON FILE
TEAM LEADER
ASST. DIV.
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
F Install new signal equipment due to pole knockdown. 2-23-07
SHA NO. 07263718012
JWA
E 10/2002 XX1065485
Signal modification. Provided ped. signals along East leg
WP/ECI | WM | MAR | DAZ | BRK
D 09/2000 SM539A59/ B59
Modify geometrics to provide double right turn for MD 246. Provide signal for MD 246 right turn.
CEI | MAR | DAZ | BRK | TH

PLOTTED: $DATETIME$
FILE: $FILE$

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 5 (POINT LOOKOUT ROAD) AND MD 246 (GREAT MILLS ROAD)

GREAT MILLS, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 30' DATE 05/09/1985 CONTRACT NO. SM705A54

DESIGNED BY
DRAWN BY B. SMITH
CHECKED BY S. RENZI
F.A.P. NO.
COUNTY ST. MARY'S
LOGMILE I800051914
TIMS NO. F437
TOD NO.

TS NO. 2071F | DRAWING NO. 1 OF 2 | SHEET NO. OF

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