DRILL HOLES

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BORDER REV DATE: June 1, 2004

NOTE: MD 157 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

PROPOSED SIGNS

R10-3(1) 9" x 15" — 38 — GERMAN HILL ROAD

R10-3(1) 9" x 15" — 39 — GERMAN HILL ROAD

R10-3(1) 9" x 15" — 34,36 — MD 157 (MERRITT BOULEVARD)

R10-3(1) 9" x 15" — 35,37 — MD 157 (MERRITT BOULEVARD)

EXISTING SIGNS

21,22 — German Hill Road — D-3(2) (VAR. X 16") DUAL FACE

24,26 — Merritt Blvd — D-3(2) (VAR. X 16") DUAL FACE

23,25 — ONLY — R3-5(L) (30"X36")

27 — R3-6(L) (30"X36")

28,29 — R4-7 (24"X30") (GROUND MOUNTED)

31 — SOUTH MARYLAND 157 — SHIELD ASSEMBLY (48"x75")

32 — SOUTH MARYLAND 157 — SHIELD ASSEMBLY (30"x51")

33 — NORTH MARYLAND 157 — SHIELD ASSEMBLY (48"x75")

30 — NORTH MARYLAND 157 — SHIELD ASSEMBLY (30"x51")

EXISTING SIGNALS

1,2,5,6 — R, Y, G — 12"

3,4,7, 8,11,14 — R, Y, G — 12"

9,12 — R 8", Y 8", G 8", G 12"

10,13 — R, Y, G, G 12"

⊡4 - VIDEO DETECTION CAMERA o-d

PROPOSED SIGNALS

15-20 — LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD

NEMA PHASING

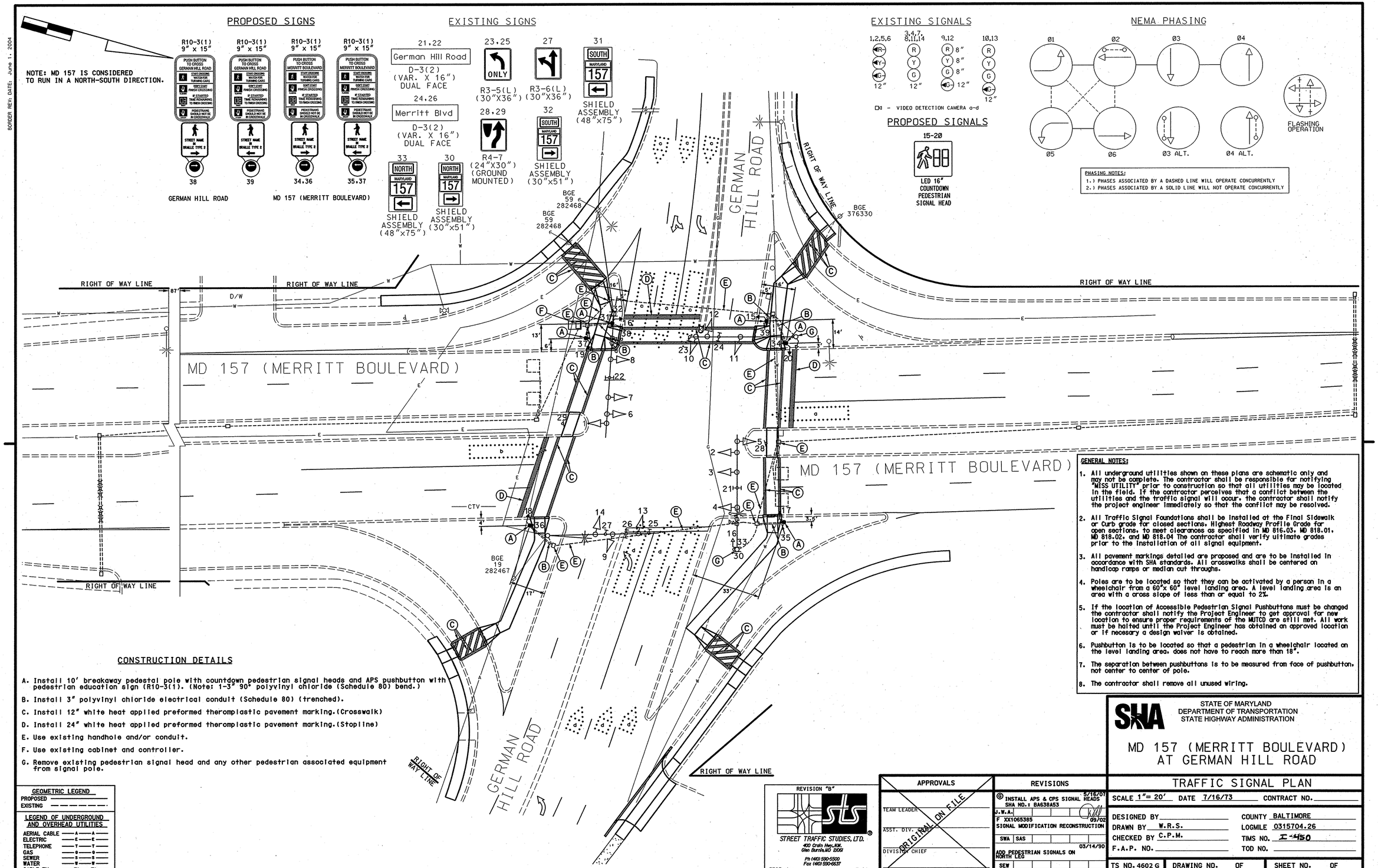
Ø1, Ø2, Ø3, Ø4, Ø5, Ø6, Ø3 ALT., Ø4 ALT.

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



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

C. Install 12" white heat applied preformed theromplastic pavement marking.(Crosswalk)

D. Install 24" white heat applied preformed theromplastic pavement marking.(Stopline)

E. Use existing handhole and/or conduit.

F. Use existing cabinet and controller.

G. Remove existing pedestrian signal head and any other pedestrian associated equipment from signal 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

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 necessary 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.

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 157 (MERRITT BOULEVARD) AT GERMAN HILL ROAD

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 7/16/73 CONTRACT NO.

DESIGNED BY

DRAWN BY W.R.S.

CHECKED BY C.P.M.

F.A.P. NO.

COUNTY BALTIMORE

LOGMILE 0315704.26

TIMS NO. I-4450

TOD NO.

TS NO. 4602 G | DRAWING NO. OF | SHEET NO. OF

REVISION "B"

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Glen Burnie,MD 21061
Ph (410) 590-5500
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5323.dgn T-96

APPROVALS

TEAM LEADER

ASST. DIV. CHIEF

DIVISION CHIEF

OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

⑥ INSTALL APS & CPS SIGNAL HEADS 5/16/07
SHA NO.: BA638A53
J.W.A.
F XX1065385 09/02
SIGNAL MODIFICATION RECONSTRUCTION
SWA | SAS
03/14/90
ADD PEDESTRIAN SIGNALS ON NORTH LEG
SEW

PLOTTED: $DATETIME$
FILE: $FILE$

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