DRILL HOLES

BORDER REV. DATE: June 1, 2004

NOTE: MD 177 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.

EXISTING SIGNS

15 — EAST / MARYLAND 177 / NORTH MARYLAND 648 / TO SOUTH MARYLAND 648

19 — EAST / MARYLAND 177

20 — TO SOUTH / MARYLAND 648

24 — JCT NORTH / MARYLAND 10

25 — NORTH / MARYLAND 648 / WEST MARYLAND 177 / EAST MARYLAND 177

29 — TO SOUTH / MARYLAND 648 / EAST MARYLAND 177

30 — TO NORTH / MARYLAND 10 / WEST MARYLAND 177

PROPOSED SIGNS

30 — WEST / MARYLAND 177 — M3-4 30"x 15" — M1-5 48"x 36" — M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

26 — EAST / MARYLAND 177 — M3-2 30"x 15" — M1-5 48"x 36" — M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

16,22 — ONLY — R3-5L 30" x 36"

EXISTING SIGN TO BE REMOVED

33 — LEFT TURN YIELD ON GREEN — R10-12 36"x 42"

EXISTING SIGNS

17a — JUMPERS HOLE RD. ⇦

17b — ⇦ JUMPERS HOLE RD.

21,27,32 — ONLY — R3-5L 30" x 36"

28,34 — MOUNTAIN ROAD — D3-2 (DUAL-FACED) VARIABLE X 16"

18 — LANE ENDS / MERGE LEFT

23a — Balt-Annap BLVD ⇨ — D3-2 (DUAL-FACED) VARIABLE X 16"

23b — ⇦ Balt-Annap BLVD — D3-2 (DUAL-FACED) VARIABLE X 16"

EXISTING SIGNALS

9,12 — R 8", Y 8", G 8", 12", 12"

10,13 — R, Y, G, 12"

11,14 — R, Y, G, 12"

PROPOSED LED SIGNALS

1,2,5,6 — R, Y, G, 12"

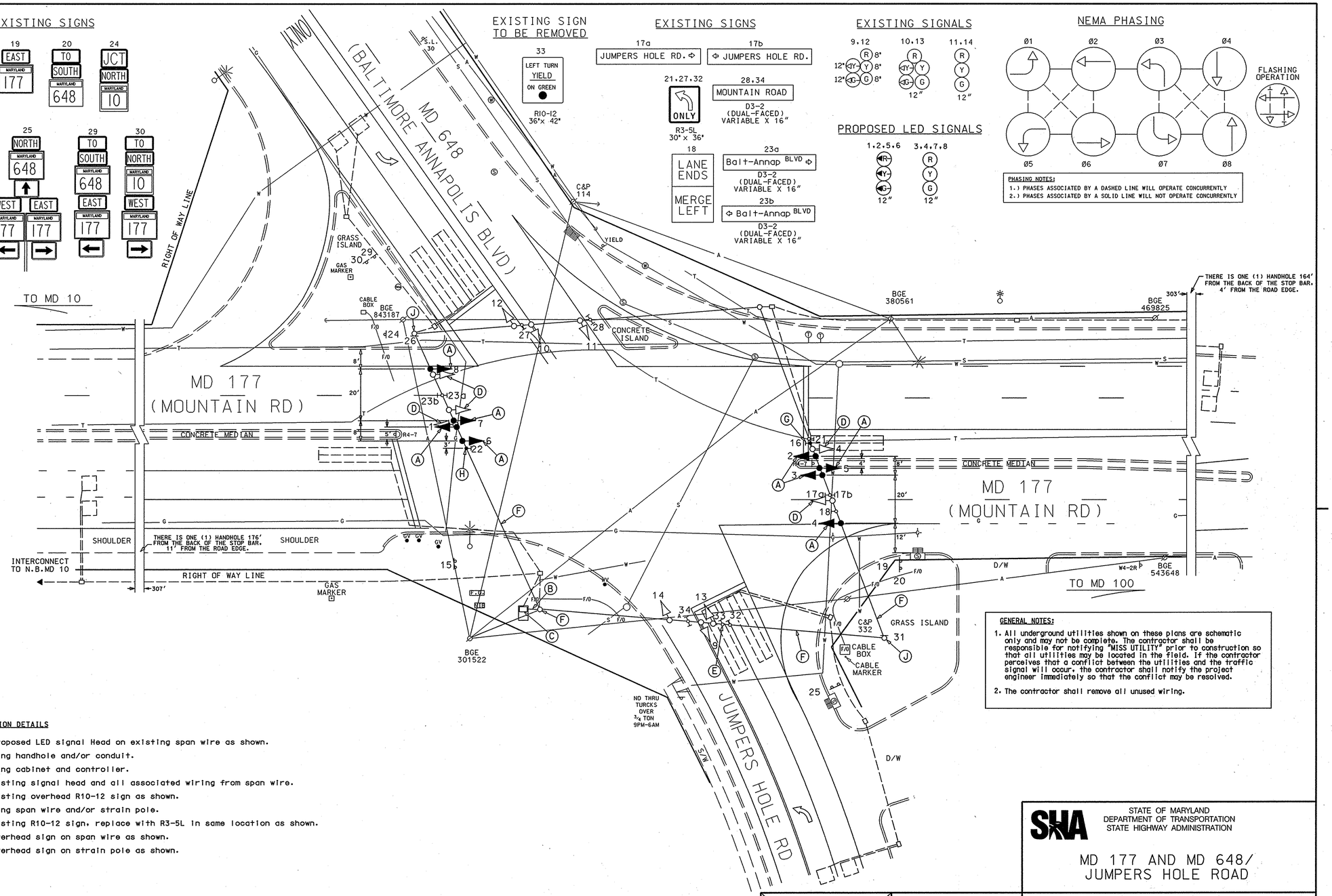
3,4,7,8 — R, Y, G, 12"

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø7 Ø8

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. The contractor shall remove all unused wiring.

CONSTRUCTION DETAILS

A. Install proposed LED signal Head on existing span wire as shown.
B. Use existing handhole and/or conduit.
C. Use existing cabinet and controller.
D. Remove existing signal head and all associated wiring from span wire.
E. Remove existing overhead R10-12 sign as shown.
F. Use existing span wire and/or strain pole.
G. Remove existing R10-12 sign, replace with R3-5L in same location as shown.
H. Install overhead sign on span wire as shown.
J. Install overhead sign on strain pole as shown.

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 —

REVISION "H"

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

REVISIONS
(H) CHANGE EB/WB EP SIGNAL HEADS 11/20/07 TO EXCLUSIVE SIGNAL HEADS. SHA. NO.: AT9155185
JWA 6-21-94
G INSTALL E/B AND W/B E/P LEFT TURNS FOR MD 177 ONTO JUMPERS HOLE RD AND MD 648
RBC/AA DAZ EP DRA
F 1-14-92 INSTALL N/B E/P LEFT TURN FOR JUMPERS HOLE RD. RECUT LOOP DETECTORS N/B JUMPERS HOLE RD.
MAR

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 177 AND MD 648/ JUMPERS HOLE ROAD

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE REDRAWN 6/94 CONTRACT NO.

DESIGNED BY
DRAWN BY R.B.C./A.A.
CHECKED BY
F.A.P. NO.
COUNTY ANNE ARUNDEL
LOGMILE 02017700.00
TIMS NO. I141
TOD NO.

TS NO. 97H | DRAWING NO. 1 OF 2 | SHEET NO. OF

PLOTTED: THURSDAY, NOVEMBER 29, 2007 AT 11:06:04 AM
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