DRILL HOLES

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BORDER REV: DATE: June 1, 2004

MD 924 IS CONSIDERED TO RUN IN A NORTH SOUTH DIRECTION

EXISTING SIGNS

10b,12b — 10a,12a

⇦ Box Hill South Pkwy	⇦ Porter Dr
Porter Dr ⇨	Box Hill South Pkwy ⇨

D3-2 (DUAL-FACED) VARIABLE X 16"

14,17

Emmorton Rd

D3-2 (DUAL-FACED) VARIABLE X 16"

13 — SOUTH / MARYLAND / 924 — M3-3 24"x 12" — M1-5 30"x 24" — M6-1 — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

15 — NORTH / MARYLAND / 924 — M3-1 30"x 15" — M1-5 48"x 36" — M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

16 — NORTH / MARYLAND / 924 — M3-1 24"x 12" — M1-5 30"x 24" — M6-1 — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

18 — SOUTH / MARYLAND / 924 — M3-3 30"x 15" — M1-5 48"x 36" — M6-1 30"x 24" — ASSOCIATED SHIELD ASSEMBLY 48" x 75"

19 — ONLY — R3-5R 30" x 36"

PROPOSED SIGNAL

9,11 — ONLY — R3-5L 30" x 36"

PROPOSED SIGNALS

1-8 — R Y G — 12"

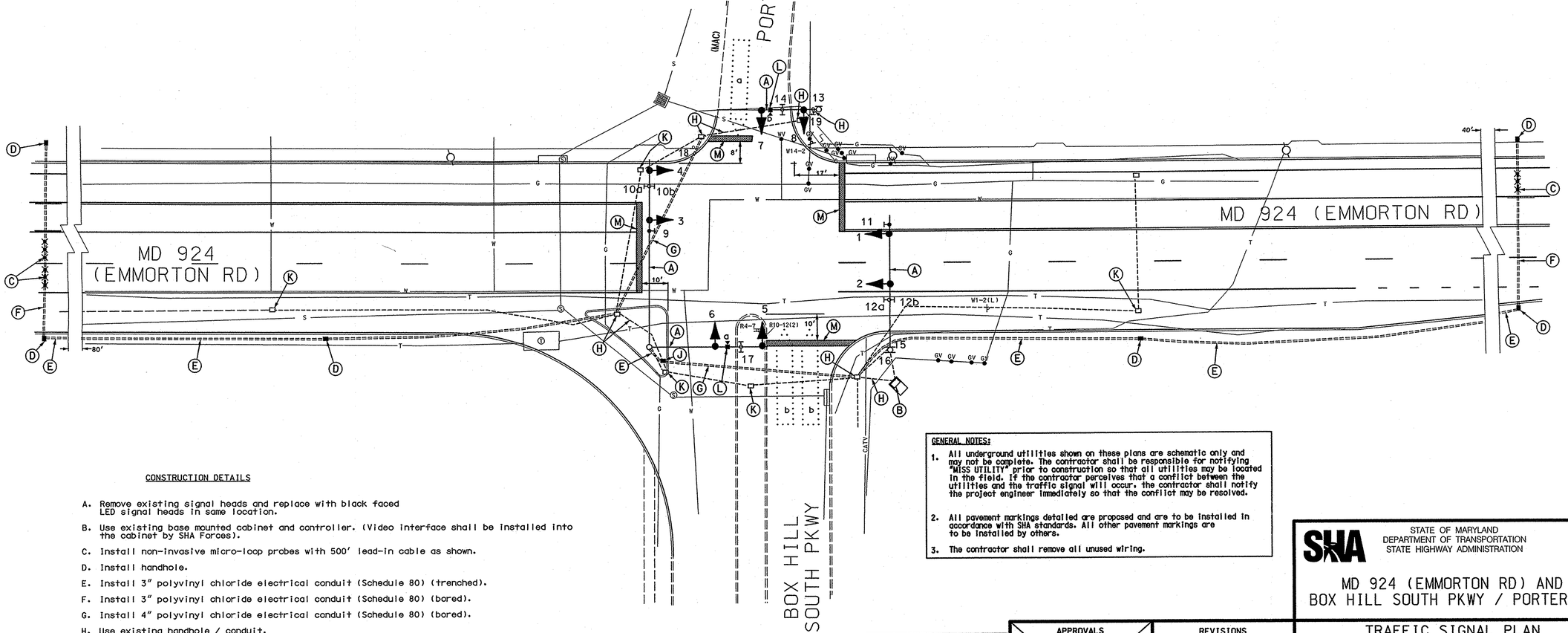
■◄ - VIDEO DETECTION CAMERA

NEMA PHASING

Ø2 Ø4 Ø6 Ø8

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

FLASHING OPERATION



CONSTRUCTION DETAILS

A. Remove existing signal heads and replace with black faced LED signal heads in same location.

B. Use existing base mounted cabinet and controller. (Video interface shall be installed into the cabinet by SHA Forces).

C. Install non-invasive micro-loop probes with 500' lead-in cable as shown.

D. Install handhole.

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

F. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).

G. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).

H. Use existing handhole / conduit.

J. Locate existing polyvinyl chloride electrical conduit and install handhole.

K. Remove existing handhole. Cap and abondon conduit.

L. Install video detection camera onto existing mast arm.

M. Install 24" white, heat applied permanent preformed thermoplastic pavement marking. (stopline)

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. All other pavement markings are to be installed by others.

3. 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

REVISION "A"

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy. NW.
Glen Burnie, MD 21061
Ph (410) 590-5500
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APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS
(A) SHA NO.HA2825176 2/3/08 INSTALL PROBES ON MD 924 & VID DET FOR SIDE STREETS
JWA

PLOTTED: @DATETIME@
FILE: @FILE@

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

MD 924 (EMMORTON RD) AND BOX HILL SOUTH PKWY / PORTER DR

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 1/98 CONTRACT NO.

DESIGNED BY
DRAWN BY TMS
CHECKED BY M RUCKER
F.A.P. NO.

COUNTY HARFORD
LOGMILE 12092400.45
TIMS NO. H384
TOD NO.

TS NO. 3789A | DRAWING NO. 1 OF 2 | SHEET NO. OF

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