DRILL HOLES

BORDER REV: DATE: June 1, 2004

PROPOSED SIGNS

22,23
Magothy Bridge Rd
D-3(1)
(DUAL FACED)
VARIABLE X 16"

25
Paul T. Pitcher Mem Hwy
D-3(1)
(DUAL FACED)
VARIABLE X 16"

20,21, 24,26 — R3-5(L) 30" x 36"
29,33 — R4-7 24" x 30"
30,32 — R5-1 30" x 30"

37-39
Magothy Bridge Rd — BK/FY
D-3(2)
(VARIABLE X 16"

NOTE: MD 100 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.

EXISTING SIGNS

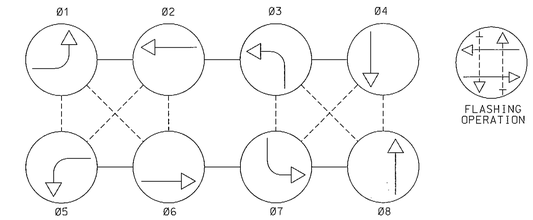
27 — SOUTH MARYLAND 607 — ASSOCIATED SHIELD ASSEMBLY 30" x 51"
28 — NORTH MARYLAND 607 — ASSOCIATED SHIELD ASSEMBLY 30" x 51"
31 — NORTH MARYLAND 607 — ASSOCIATED SHIELD ASSEMBLY 30" x 51"
34 — SOUTH MARYLAND 607 — ASSOCIATED SHIELD ASSEMBLY 30" x 51"
35 — WEST MARYLAND 100 — ASSOCIATED SHIELD ASSEMBLY 30" x 51"
36 — EAST MARYLAND 100 — ASSOCIATED SHIELD ASSEMBLY 30" x 51"

PROPOSED LED SIGNALS

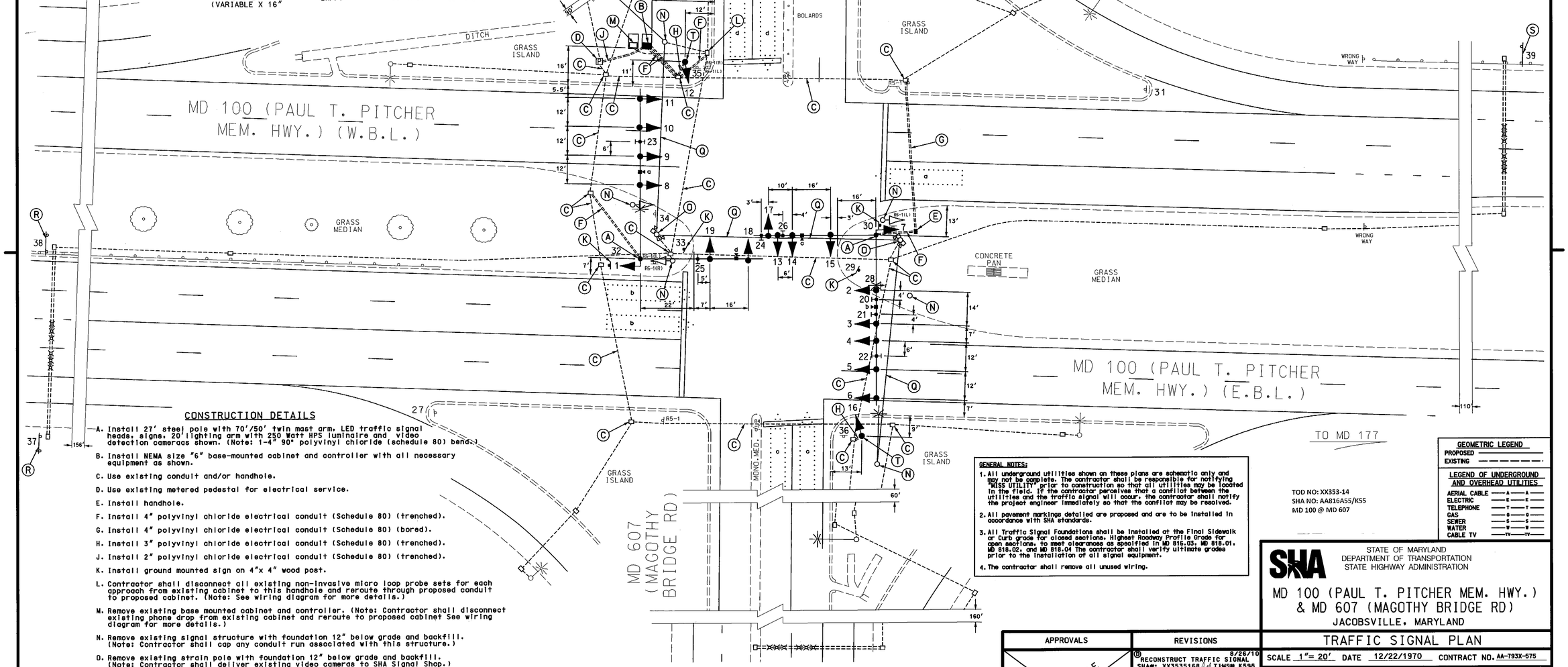
1-3,7,8, 12,13,16,17 — R, Y, G — 12"
4-6,9-11, 14,15,18,19 — R, Y, G — 12"

■◄ – VIDEO DETECTION CAMERA a–d

NEMA PHASING



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 27' steel pole with 70'/50' twin mast arm, LED traffic signal heads, signs, 20' lighting arm with 250 Watt HPS luminaire and video detection cameras as shown. (Note: 1-4" 90° polyvinyl chloride (schedule 80) bend.)

B. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.

C. Use existing conduit and/or handhole.

D. Use existing metered pedestal for electrical service.

E. Install handhole.

F. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

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

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

J. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

K. Install ground mounted sign on 4"x 4" wood post.

L. Contractor shall disconnect all existing non-invasive micro loop probe sets for each approach from existing cabinet to this handhole and reroute through proposed conduit to proposed cabinet. (Note: See wiring diagram for more details.)

M. Remove existing base mounted cabinet and controller. (Note: Contractor shall disconnect existing phone drop from existing cabinet and reroute to proposed cabinet See wiring diagram for more details.)

N. Remove existing signal structure with foundation 12" below grade and backfill. (Note: Contractor shall cap any conduit run associated with this structure.)

O. Remove existing strain pole with foundation 12" below grade and backfill. (Note: Contractor shall deliver existing video cameras to SHA Signal Shop.)

P. BGE shall remove existing overhead service once proposed signal is operational.

Q. Remove existing span wire and all associated equipment.

R. Contractor shall remove existing sign and install proposed ground mounted sign on Existing Wood Post 1350' from Stopline.

S. Contractor shall remove existing sign and install proposed ground mounted sign on Existing Wood Post 771' from Stopline.

T. Install 14' pedestal pole with 3 section signal head. (Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

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.
3. 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.
4. The contractor shall remove all unused wiring.

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 —

TOD NO: XX353-14
SHA NO: AA816A55/K55
MD 100 @ MD 607

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 100 (PAUL T. PITCHER MEM. HWY.)
& MD 607 (MAGOTHY BRIDGE RD)
JACOBSVILLE, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 12/22/1970 CONTRACT NO. AA-793X-575

DESIGNED BY DIMITROS ZAFIRIS
DRAWN BY LES TOWNSEND
CHECKED BY
F.A.P. NO.
COUNTY ANNE ARUNDEL
LOGMILE 02010014.00
TIMS NO. K595
TOD NO.

TS NO. 128D | DRAWING NO. 1 OF 3 | SHEET NO. OF

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

REVISIONS
A 8/26/10 RECONSTRUCT TRAFFIC SIGNAL SHA#: XX3535168 TIMS# K595 RNZ
C 02/21/2010 INSTALL ADDITIONAL SIGNAL HEAD SHA#: BW501M63 JWA J.D. D.R. D.J.D. R.B. C.S. T.H.
B 9/20/06 INSTALL INTERSECTION LIGHTING TIMS# H444 JWA WM JAA MAR T.H.

REVISION "D"
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PLOTTED: @DATETIME@
FILE: $FILE$

DRILL HOLES

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