DRILL HOLES

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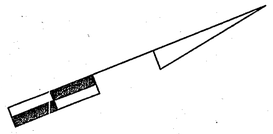
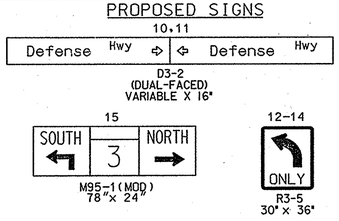
BORDER REV: DATE: June 1, 2004

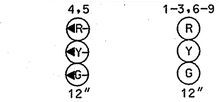


MD 3 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION

PROPOSED SIGNS

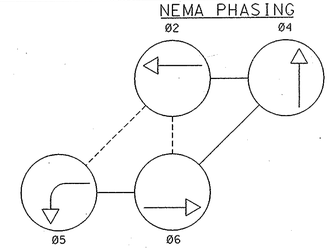


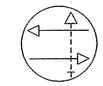
PROPOSED SIGNALS



VIDEO DETECTION CAMERA - (a,b)

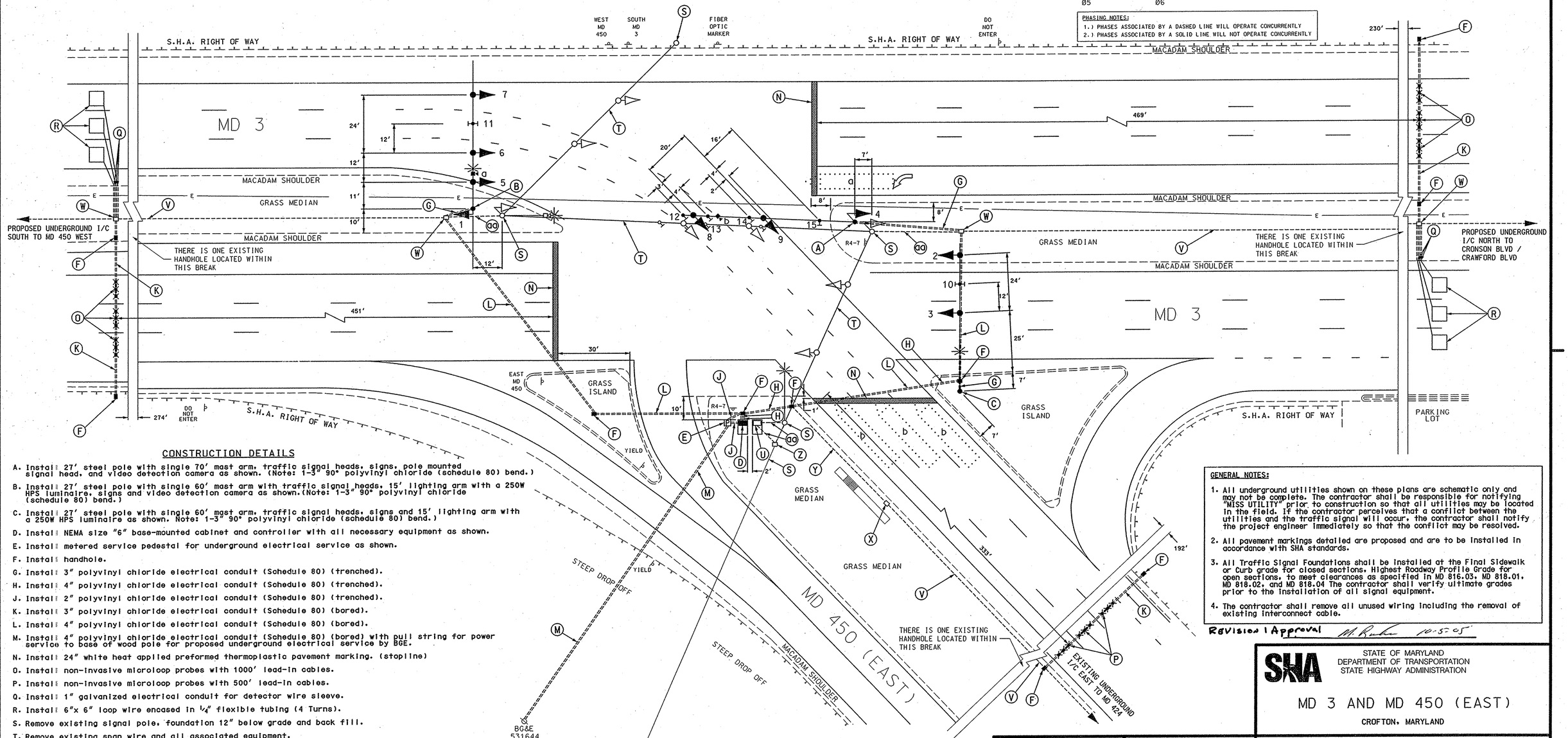
NEMA PHASING





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 27' steel pole with single 70' mast arm, traffic signal heads, signs, pole mounted signal head, and video detection camera as shown. (Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

B. Install 27' steel pole with single 60' mast arm with traffic signal heads, 15' lighting arm with a 250W HPS luminaire, signs and video detection camera as shown.(Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

C. Install 27' steel pole with single 60' mast arm, traffic signal heads, signs and 15' lighting arm with a 250W HPS luminaire as shown. Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

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

E. Install metered service pedestal for underground electrical service as shown.

F. Install handhole.

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

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

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

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

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

M. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored) with pull string for power service to base of wood pole for proposed underground electrical service by BGE.

N. Install 24" white heat applied preformed thermoplastic pavement marking. (stopline)

O. Install non-invasive microloop probes with 1000' lead-in cables.

P. Install non-invasive microloop probes with 500' lead-in cables.

Q. Install 1" galvanized electrical conduit for detector wire sleeve.

R. Install 6"x 6" loop wire encased in 1/4" flexible tubing (4 Turns).

S. Remove existing signal pole, foundation 12" below grade and back fill.

T. Remove existing span wire and all associated equipment.

U. Remove existing base mounted cabinet, all existing conduit runs associated with this cabinet, foundation 12" below grade and backfill. (Note: Contractor shall remove overhead service after BGE disconnects existing service.)

V. Use existing conduit.

W. Use existing handhole.

X. Contractor shall use existing handhole to disconnect and pullback existing interconnect cable from existing base mounted cabinet and reroute to proposed base-mounted cabinet as shown. (See Wiring diagram for more details)

Y. Contractor shall remove existing conduit from handhole behind existing base mounted cabinet and extend into proposed handhole as shown.

Z. Remove existing handhole.

aa. Cap and abandon conduit.

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 including the removal of existing interconnect cable.

Revision 1 Approval M. Rucker 10-5-05

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

REVISIONS
E 4-5-05 RECONSTRUCT SIGNAL SHA NO.: XX1065485 JWA W.M. M.H.E. DJZ TH
D 2-6-95 MODIFY DUE TO MD 3 WIDENING, ADD SYSTEM SHA NO.: P-167-501-376 RRZ
C 2-18-92 LOOP DETECTOR MODIFYCATION ADD ADVANCE DETECTOR WKL KWS DJD DAZ ETP TH

PLOTTED: $DATETIME$
FILE: $FILE$

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 3 AND MD 450 (EAST)

CROFTON, MARYLAND

SCALE 1"= 20' DATE 7-18-72 CONTRACT NO. AA 866X-575

DESIGNED BY J.BOLING COUNTY ANNE ARUNDEL
DRAWN BY W.KEITH LINK LOGMILE 02000300.22
CHECKED BY W.F.FITCH TIMS NO. H017
F.A.P. NO. TOD NO.

TS NO. 624 E | DRAWING NO. OF | SHEET NO. 1 OF 2