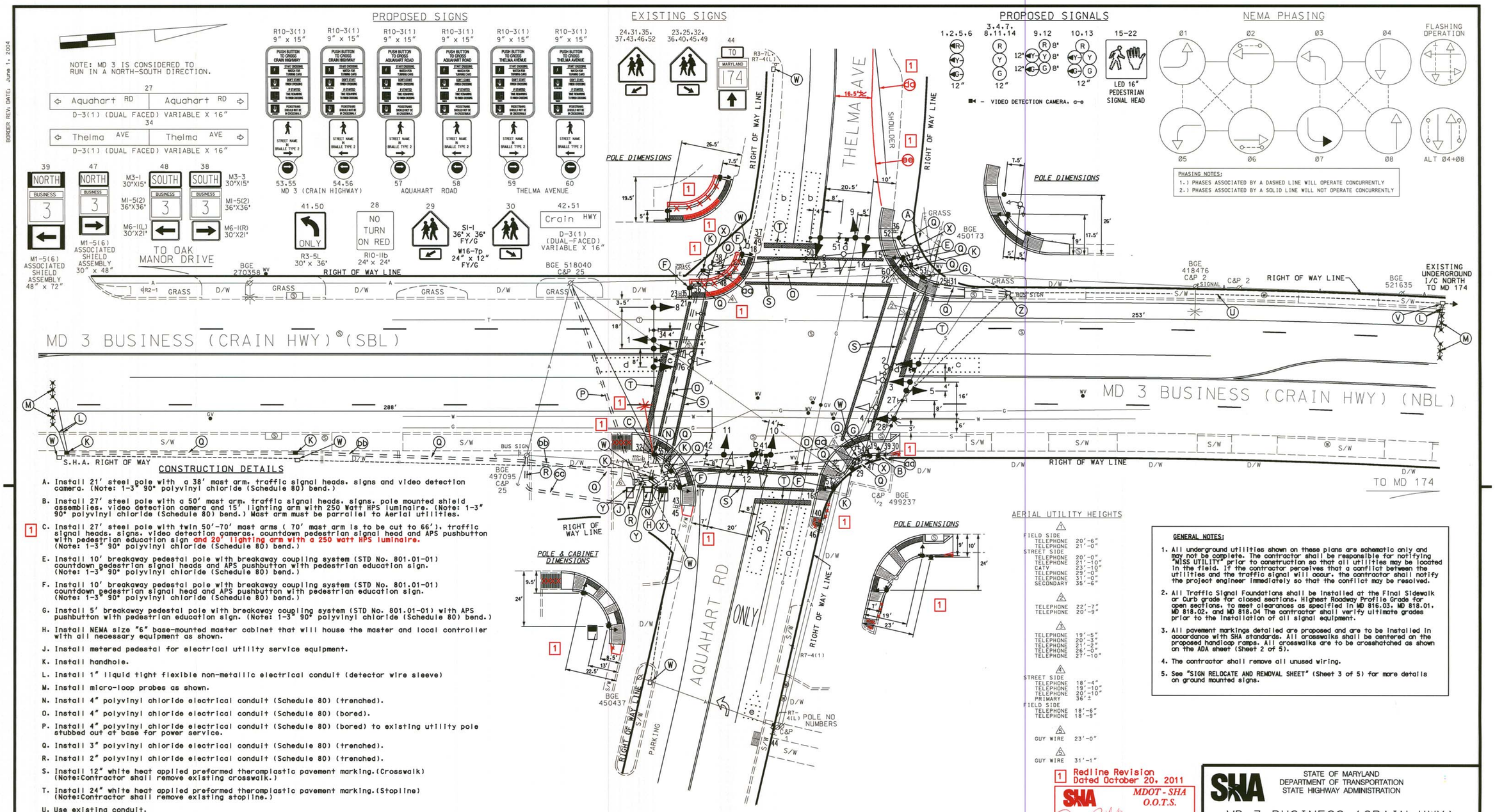

DRILL HOLES

DRILL HOLES

DRILL HOLES

CONSTRUCTION DETAILS

A. Install 21' steel pole with a 38' mast arm, traffic signal heads, signs and video detection camera. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

B. Install 27' steel pole with a 50' mast arm, traffic signal heads, signs, pole mounted shield assemblies, video detection camera and 15' lighting arm with 250 Watt HPS luminaire. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.) Mast arm must be parralel to Aerial utilities.

1 C. Install 27' steel pole with twin 50'-70' mast arms (70' mast arm is to be cut to 66'), traffic signal heads, signs, video detection cameras, countdown pedestrian signal head and APS pushbutton with pedestrian education sign and 20' lighting arm with a 250 watt HPS luminaire. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

E. Install 10' breakaway pedestal pole with breakaway coupling system (STD No. 801.01-01) countdown pedestrian signal heads and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

F. Install 10' breakaway pedestal pole with breakaway coupling system (STD No. 801.01-01) countdown pedestrian signal head and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

G. Install 5' breakaway pedestal pole with breakaway coupling system (STD No. 801.01-01) with APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)

H. Install NEMA size "6" base-mounted master cabinet that will house the master and local controller with all necessary equipment as shown.

J. Install metered pedestal for electrical utility service equipment.

K. Install handhole.

L. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve)

M. Install micro-loop probes as shown.

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

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

P. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored) to existing utility pole stubbed out at base for power service.

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

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

S. Install 12" white heat applied preformed theromplastic pavement marking.(Crosswalk) (Note:Contractor shall remove existing crosswalk.)

T. Install 24" white heat applied preformed theromplastic pavement marking.(Stopline) (Note:Contractor shall remove existing stopline.)

U. Use existing conduit.

V. Use existing handhole.

W. Remove existing handhole and cap any conduit runs associated with this handhole.

X. Remove existing strain pole with foundation 12" below grade and backfill.

Y. Remove existing cabinet with foundation 12" below grade and backfill.

Z. Contractor shall disconnect existing 12 pair interconnect cable from existing cabinet pull back to this handhole and reroute through proposed conduit system to proposed cabinet.

aa. Install ground mounted signs on 4"x4" wood post as shown.

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

cc. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (bored).

dd. Remove 75' of existing white edgeline as shown.

ee. Install 75' of white permanent pavement marking (edge line) as shown.

AERIAL UTILITY HEIGHTS

1
FIELD SIDE
TELEPHONE 20'-6"
TELEPHONE 21'-0"
STREET SIDE
TELEPHONE 20'-0"
TELEPHONE 21'-10"
CATV 23'-10"
TELEPHONE 29'-0"
TELEPHONE 31'-0"
SECONDARY 35'-6"

2
TELEPHONE 22'-7"
TELEPHONE 20'-9"

3
TELEPHONE 19'-5"
TELEPHONE 20'-3"
TELEPHONE 21'-2"
TELEPHONE 26'-0"
TELEPHONE 27'-10"

4
STREET SIDE
TELEPHONE 18'-4"
TELEPHONE 19'-10"
TELEPHONE 20'-10"
PRIMARY 36'±
FIELD SIDE
TELEPHONE 18'-6"
TELEPHONE 18'-9"

5
GUY WIRE 23'-0"

6
GUY WIRE 31'-1"

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 the proposed handicap ramps. All crosswalks are to be crosshatched as shown on the ADA sheet (Sheet 2 of 5).
4. The contractor shall remove all unused wiring.
5. See "SIGN RELOCATE AND REMOVAL SHEET" (Sheet 3 of 5) for more details on ground mounted signs.

1 Redline Revision Dated October 20, 2011

SHA MDOT - SHA O.O.T.S. 10-20-11
S.H.A. Approval Date
T.S. # 744D T.I.W.S. # K238

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 3 BUSINESS (CRAIN HWY) AND AQUAHART RD/ THELMA AVE

GLEN BURNIE, MD

TRAFFIC SIGNAL PLAN

SCALE 1"= 20' DATE 10-28-1975 CONTRACT NO. AW-603-505-576

DESIGNED BY D.DODA / H.KILLIAN
DRAWN BY D.DODA / H.KILLIAN
CHECKED BY
F.A.P. NO.
COUNTY ANNE ARUNDEL
LOGMILE 02B00301.99
TIMS NO.
TOD NO.

TS NO. 744D | DRAWING NO. 1 OF 5 | SHEET NO. OF

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE
ELECTRIC
TELEPHONE
GAS
SEWER
WATER
CABLE TV

STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy.,NW.
Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637
5937.dgn T-98

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

REVISIONS
0 RECONSTRUCT TRAFFIC SIGNAL 5-12-2011
ADD APS/CPS/ADA RAMPS
SHA NO.: XX647S185 TIMS NO.:K238
RRZ | W.M. | D.D. | R.B. | M.C.P. | 10-20-11
C 12-1998
E/P LEFT TURN W/B MD 3B
WEL | MAR | D.A.Z. | B.R.K. | TH 12/18
B 06-1989
E/P LEFT TURN W/B AQUAHART RD
WM | S.R. | D.A.Z. | E.T.P. | T.H.

PLOTTED: @DATETIME@
FILE: @FILE@