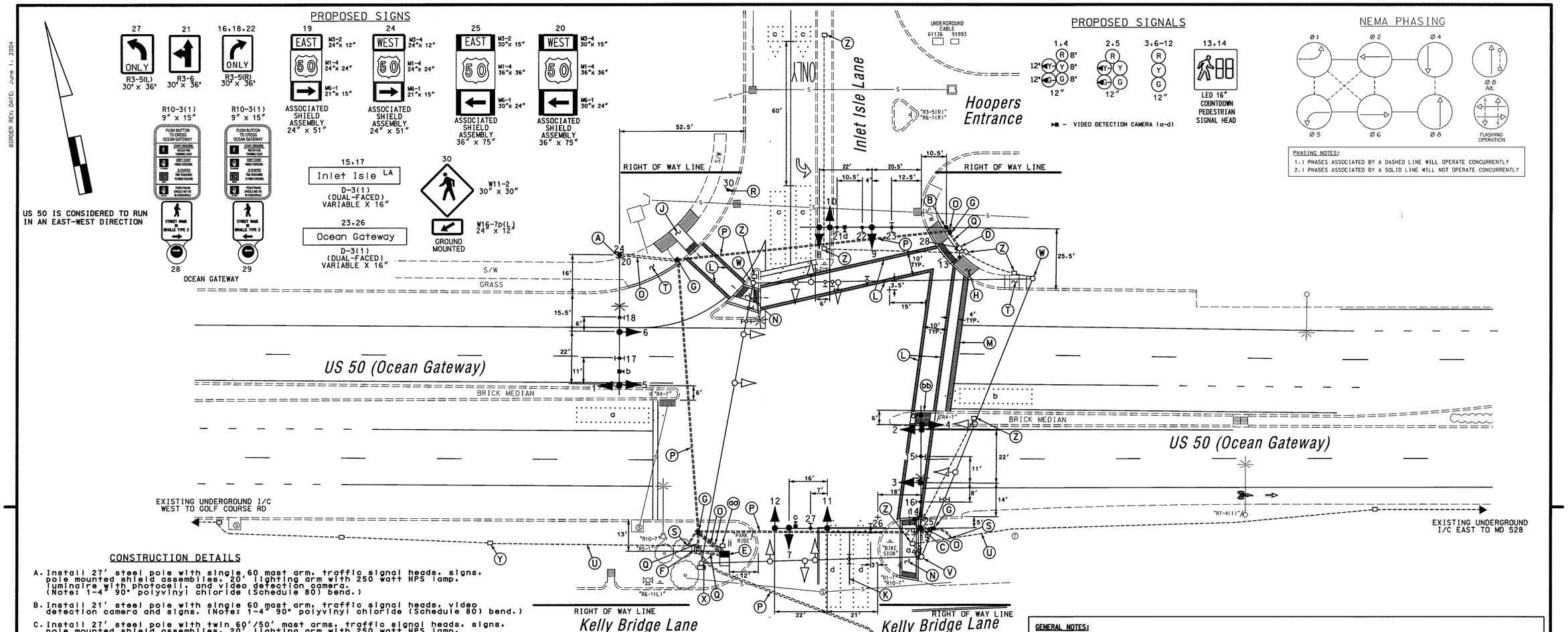

CONSTRUCTION DETAILS

A. Install 27' steel pole with single 60 mast arm, traffic signal heads, signs, pole mounted shield assemblies, 20' lighting arm with 250 watt HPS lamp, luminaire with photocell, and video detection camera. (Note: 1-4" 90° polyvinyl chloride (Schedule 80) bend.)

B. Install 21' steel pole with single 60 mast arm, traffic signal heads, video detection camera and signs. (Note: 1-4" 90° polyvinyl chloride (Schedule 80) bend.)

C. Install 27' steel pole with twin 60'/50' mast arms, traffic signal heads, signs, pole mounted shield assemblies, 20' lighting arm with 250 watt HPS lamp, luminaire with photocell, countdown pedestrian signal head, APS pushbutton with pedestrian education sign R10-3(1), and video detection camera. (Note: 1-4" 90° polyvinyl chloride (Schedule 80) bend.)

D. Install proposed countdown pedestrian signal head and APS pushbutton with pedestrian education sign R10-3(1) on existing base as shown. (Note: Contractor shall utilize the existing elbow in pole base.)

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

F. Install metered pedestal for electrical utility service equipment.

G. Install handhole.

H. Install proposed parallel handicap ramp (STD. No. MD 655.12) with detectable warning surface (STD. No. MD 655.40).

J. Install proposed parallel handicap ramp (STD. No. MD 655.13) with detectable warning surface (STD. No. MD 655.40).

K. Install 5" white heat applied preformed thermoplastic pavement marking. (Laneline)

L. Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk)

M. Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline)

N. Remove and replace existing cut through median openings (STD. No. MD 655.21) with detectable warning surface (STD. No. MD 655.40).

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

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

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

R. Install ground mounted sign on 4"x6" wood post.

S. Contractor shall tie proposed conduit into existing conduit at this point as shown. proposed base mounted cabinet. (Note:See wiring diagram for more details refering to the rerouting of interconnect cable.)

T. Contractor shall remove existing handicap ramp and replace with proposed sidewalk.

U. Use existing conduit.

V. Contractor shall remove existing strain poles, existing span wire along with signal heads and all pedestrian associated equipment, foundation 12" below grade and backfill.(Note: Contractor shall return video detection camera from existing strain poles back to SHA Signal Shop.)

W. Contractor shall remove existing strain poles, existing span wire along with signal heads, and foundation 12" below grade and backfill.

X. Contractor shall remove existing pole mounted cabinet from strain pole, foundation 12" below grade and backfill. (Note:SHA Forces shall remove the controller and all other auxiliary equipment.)

Y. Contractor shall disconnect, pullback and reroute existing interconnect cable from pole mounted to this handhole. (Note:See wiring diagram for more details.)

Z. Abandon existing handhole and all conduit runs associated with this handhole. (Note: Contractor shall fill in handhole and remove lid with collar.)

aa. Remove existing handhole.

bb. Install proposed median cut through (STD. No. MD 655.21) with detectable warning surface (STD. No. MD 655.40). (Note: Contractor shall remove and reset brick pavers.)

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 handicap ramps or median cut throughs.

4. Pushbuttons are to be located so that they can be activated by a person in a wheelchair reaching less than 18" from a 60"x 60" level landing area with a cross slope of less than or equal to 2%.

5. The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.

6. Pushbutton arrows are to be parallel to the crossing for which they are intended.

7. Location of Accessible Pedestrian signal pushbuttons must meet location requirements Of MUTCD Sec. 4E.09 and Fig. 4E.2 and the NCHRP publication, Accessible Pedestrian signals: Guide to Best Practice. If not met, the Contractor is to stop work on pushbutton locations until a design Waiver is obtained, approved by the Director, Office of Traffic and Safety.

8. 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—

REVISIONS "E"

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APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

ORIGINAL ON FILE

REVISIONS

(E) 12/16/08 Reconstruct Traffic Signal SHA No:XX4435185 JWA
D 01/2007 Installation of Video Detection OT 2007
C New geometrics, cut new loops. 3/21/05 add pedestrian signal heads & buttons S.H.A. No.:BW9960802 jld

PLOTTED: @DATETIME@
FILE: @FILE@

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

US 50 (Ocean Gateway) and Inlet Isle Lane

WEST OCEAN CITY, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE Mar. 7, 1988 CONTRACT NO. AW517A5L

DESIGNED BY G. Simmers COUNTY Worcester
DRAWN BY S. Renzi LOGMILE 23005013.51
CHECKED BY TIMS NO. J143
F.A.P. NO. TOD NO.

TS NO. 2424E | DRAWING NO. 1 OF 2 | SHEET NO. OF

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