US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNALS

1–6 R Y G 12"

EXISTING VIDEO DETECTION CAMERA

A

EXISTING SIGNS

16-20 NEW

W3-3 (48" X 48") W"NEW" PANEL AND FLAGS

EXISTING SIGNS TO BE REMOVED

EAST MARYLAND 40 WEST — M95-1 (72" X 24")

R3-2 (30" X 30")

Chesapeake BLVD — D3-1 SINGLE FACE SIGN (VAR. X 16")

PROPOSED VIDEO DETECTION CAMERA

B

PROPOSED SIGNALS

7,8 R Y G 12"

PROPOSED SIGNS

10A,12B — Kirsten CT / Chesapeake BLVD — D3-1 DUAL FACE SIGN (VAR. X 32")

10B,12A — Chesapeake BLVD / Kirsten CT — D3-1 DUAL FACE SIGN (VAR. X 32")

9,15,11 — ONLY — R3-5(L) (30" X 36")

13 — WEST 40 EAST — M95-1 (72" X 24")

14 — EAST 40 WEST — M95-1 (72" X 24")

NEMA PHASING

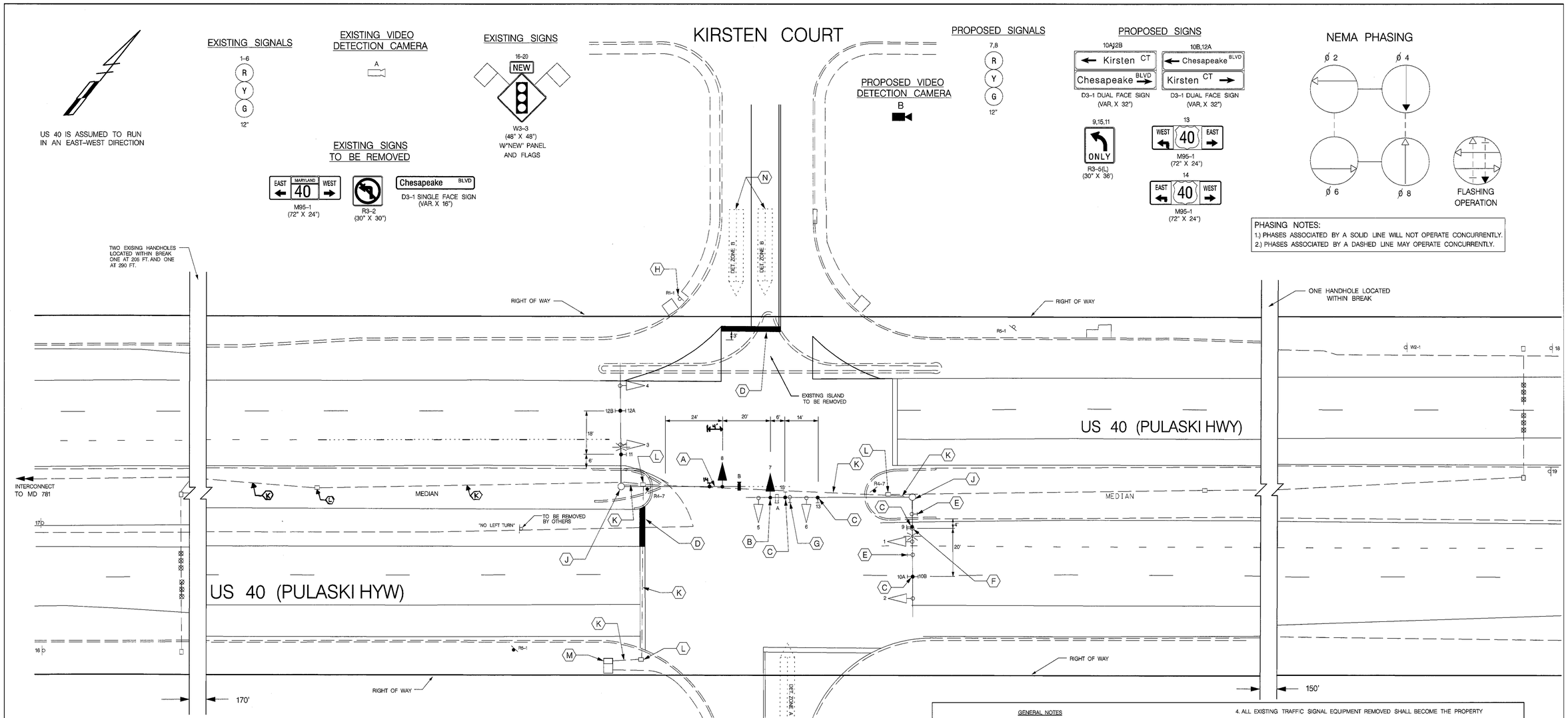
ø 2 ø 4 ø 6 ø 8

FLASHING OPERATION

PHASING NOTES:

1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL 70 FT. MAST ARM WITH SIGNAL HEAD AND VIDEO DETECTION CAMERA ON EXISTING MAST ARM POLE AND (CUT MAST ARM TO 50 FT. IN LENGTH) AND INSTALL PROPOSED SIGN
B. INSTALL PROPOSED SIGNAL HEAD ON EXISTING MAST ARM AS SHOWN
C. INSTALL PROPOSED SIGN ON EXISTING MAST ARM AS SHOWN
D. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
E. REMOVE EXISTING D3-1 SIGN FROM EXISTING MAST ARM
F. REMOVE EXISTING R3-2 SIGN FROM EXISTING MAST ARM
G. REMOVE EXISTING M95-1 SIGN FROM EXISTING MAST ARM
H. REMOVE EXISTING GROUND MOUNTED R1-1 SIGN
J. USE EXISTING MAST ARM POLE
K. USE EXISTING CONDUIT
L. USE EXISTING HANDHOLE
M. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER
N. VIDEO DETECTION ZONE

GENERAL NOTES

1. PAVEMENT MARKINGS NOT DETAILED ON THIS PLAN WILL BE INSTALLED BY OTHERS AND IN ACCORDANCE WITH SHA STANDARDS.
2. ALL SHOWN GROUND MOUNTED SIGNS WILL BE INSTALLED AND/OR REMOVED BY OTHERS AND IN ACCORDANCE WITH SHA STANDARDS.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
6. THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
7. VIDEO CAMERA LOCATION AND ALIGNMENT SHALL BE COORDINATED WITH AN SHA ENGINEER IN THE FIELD.
8. THE MAST ARM SHALL NOT BE CUT UNTIL EXACT SIGNAL HEAD LOCATION HAS BEEN ESTABLISHED.
9. ALL CONTROLLER CABINET WIRING SHALL BE PERFORMED BY THE SHA SIGNAL SHOP. PLEASE CONTACT MR. ED RODENHIZER AT (410) 787-7650 72 HOURS PRIOR TO INTENDED SIGNAL WORK.
10. SEE INTERCONNECT PLAN T.S. NO. 3595-B-IC FOR SPECIFIC DETAILS.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101
FAX (410) 923-6473 EMAIL TRACONCEPT@AOL.COM

REVISIONS

A ADD SIGNAL EQUIPMENT FOR FORTH LEG OF INTERSECTION 10/18/2004 SHA NO. BW996M82 MO TZ

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, OFFICE OF TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
US 40 AND CHESAPEAKE BOULEVARD/KIRSTEN COURT

DRAWN BY:	M.HOWELL	F.A.P. NO.	N/A	TS NO. 4319-A	SHEET NO.
CHECKED BY:	T. ZAYDEL	S.H.A. NO.	BW996M82		
SCALE:	1" = 20'	COUNTY:	CECIL	T.I.M.S. NO. G400	4 OF 5
DATE:	3/18/2004	LOG MILE:	0700401.17		

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