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

PROPOSED SIGNALS

5,6 — 12"
10,13 — 12"
11 — 12"
9,12 — 8/"12"

PROPOSED SIGNS

17 — R3-5(L) (36" X 36")
19 — R3-6 (36" X 36")
20 — SHIELD ASSEMBLY 36" X 75"
21 — SHIELD ASSEMBLY 24" X 51"

EXISTING SIGNALS

1,2 — 12"
3,4,7,8,14 — 12"

EXISTING SIGNS 15,16,18

R3-5(L) (36" X 36")

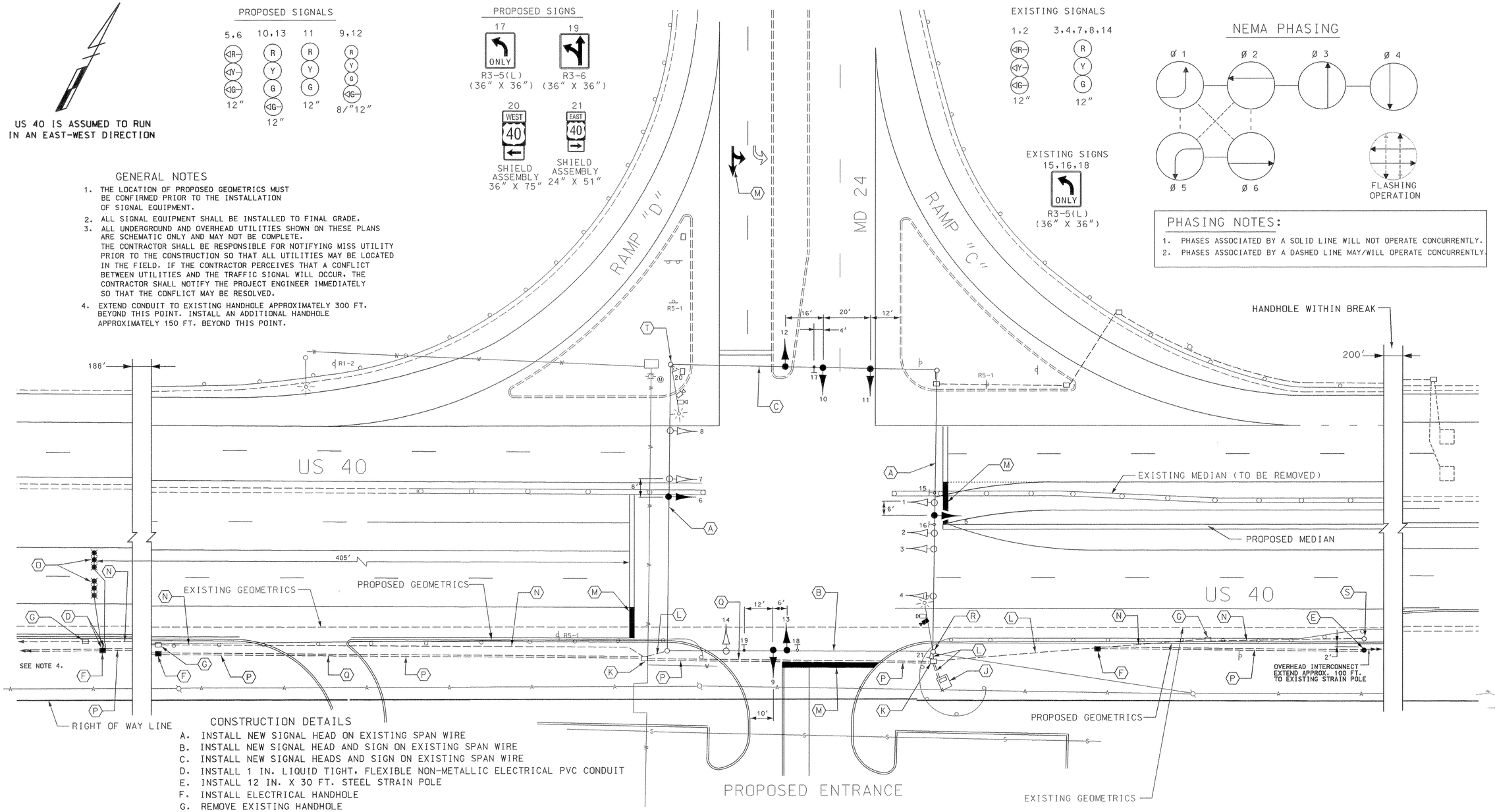
NEMA PHASING

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.

GENERAL NOTES

1. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
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. EXTEND CONDUIT TO EXISTING HANDHOLE APPROXIMATELY 300 FT. BEYOND THIS POINT. INSTALL AN ADDITIONAL HANDHOLE APPROXIMATELY 150 FT. BEYOND THIS POINT.



CONSTRUCTION DETAILS

A. INSTALL NEW SIGNAL HEAD ON EXISTING SPAN WIRE
B. INSTALL NEW SIGNAL HEAD AND SIGN ON EXISTING SPAN WIRE
C. INSTALL NEW SIGNAL HEADS AND SIGN ON EXISTING SPAN WIRE
D. INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE NON-METALLIC ELECTRICAL PVC CONDUIT
E. INSTALL 12 IN. X 30 FT. STEEL STRAIN POLE
F. INSTALL ELECTRICAL HANDHOLE
G. REMOVE EXISTING HANDHOLE
H. NOT USED
J. USE EXISTING BASE MOUNTED CONTROLLER AND CABINET
K. USE EXISTING HANDHOLE (ADJUST TO FINAL GRADE)
L. USE EXISTING CONDUIT
M. SEE PAVEMENT MARKING PLAN FOR DETAILS
N. CAP AND ABANDON EXISTING CONDUIT
O. INSTALL MICRO-LOOP PROBES WITH 1000 FT. LEAD-IN
P. INSTALL 4 IN. SCHEDULE 90 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
Q. INSTALL 4 IN. SCHEDULE 90 RIGID ELECTRICAL PVC CONDUIT - BORED
R. INSTALL VIDEO DETECTION CAMERA ON EXISTING STREET LIGHT ARM AND NEW SIGN LOCATED ON EXISTING STRAIN POLE
S. REMOVE EXISTING STRAIN POLE
T. INSTALL NEW SIGN ON EXISTING STRAIN POLE

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

REVISIONS

(B) 9-28-01 ADD FOURTH LEG TO INTERSECTION AND SPLIT SIDE/STREET PHASING — MLH

APPROVALS

ORIGINAL ON FILE
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNALIZATION PLAN
US 40 AND MD 24 RAMPS "C" AND "D"

DRAWN BY:	W. MALCOLM	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY:	S. RENZI	S.H.A. NO.	H-876-201-471	3164 B	1 OF 2
SCALE:	1" = 20'	COUNTY:	HARFORD	T.I.M.S. NO.	
DATE:	8/91	LOG MILE:	12004004.63	E793	