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

GENERAL NOTES

1. LOOP DETECTORS SHALL BE INSTALLED 1 FT. BEHIND STOP LINES.
2. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
3. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
4. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
5. 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.
6. THE LOCATION OF THE POLE AND SIGNAL HEADS SHALL BE CONFIRMED PRIOR TO CUTTING THE MAST ARMS.

PROPOSED SIGNALS

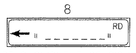
1-6

PROPOSED SIGNS

7

D3-2 SINGLE FACE SIGN
(VAR. X 16")

8

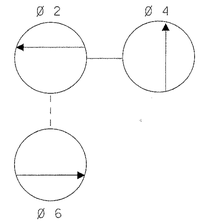


D3-2 SINGLE FACE SIGN
(VAR. X 16")

9

M95-1
72" X 24"

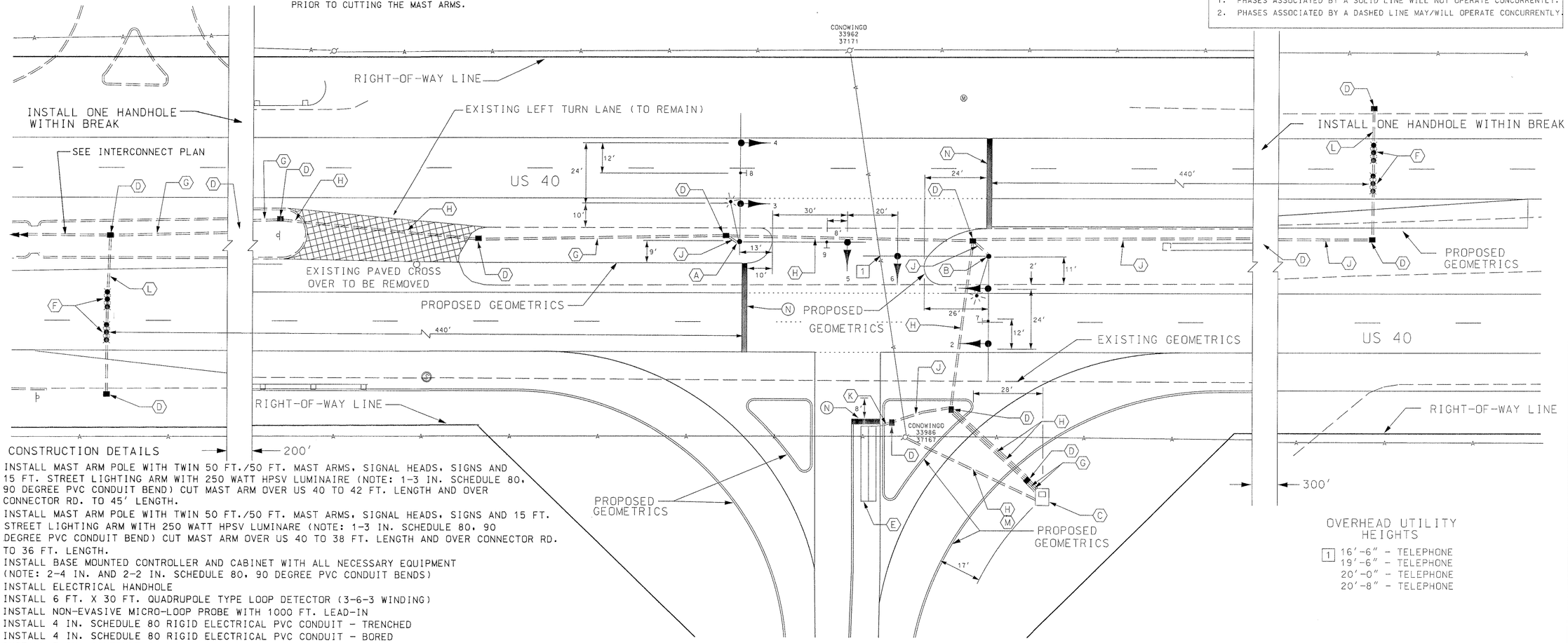
NEMA PHASING



FLASHING
OPERATION

PHASING NOTES:

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



CONSTRUCTION DETAILS

A. INSTALL MAST ARM POLE WITH TWIN 50 FT./50 FT. MAST ARMS, SIGNAL HEADS, SIGNS AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND) CUT MAST ARM OVER US 40 TO 42 FT. LENGTH AND OVER CONNECTOR RD. TO 45' LENGTH.
B. INSTALL MAST ARM POLE WITH TWIN 50 FT./50 FT. MAST ARMS, SIGNAL HEADS, SIGNS AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINARE (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND) CUT MAST ARM OVER US 40 TO 38 FT. LENGTH AND OVER CONNECTOR RD. TO 36 FT. LENGTH.
C. INSTALL BASE MOUNTED CONTROLLER AND CABINET WITH ALL NECESSARY EQUIPMENT (NOTE: 2-4 IN. AND 2-2 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS)
D. INSTALL ELECTRICAL HANDHOLE
E. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR (3-6-3 WINDING)
F. INSTALL NON-EVASIVE MICRO-LOOP PROBE WITH 1000 FT. LEAD-IN
G. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
H. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
J. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
K. INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
L. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
M. PROPOSED UNDERGROUND ELECTRICAL SERVICE
N. INSTALL 24 IN. HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING

OVERHEAD UTILITY HEIGHTS

[1] 16'-6" - TELEPHONE
19'-6" - TELEPHONE
20'-0" - TELEPHONE
20'-8" - TELEPHONE

IKEA CONNECTOR ROAD

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.
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REVISIONS

APPROVALS

4/25/02
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION

ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

4.29.02
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

4.29.02
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION
US 40 AND IKEA CONNECTOR ROAD

DRAWN BY:	M. HOWELL	F.A.P. NO.		TS NO. 4173	SHEET NO. 1 OF 3
CHECKED BY:	T.ZAYDEL	S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	CECIL	T.I.M.S. NO. F-147	
DATE:	4-12-02	LOG MILE:			

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