US 40 IS ASSUMED TO RUN IN A EAST / WEST DIRECTION

EXISTING SIGNS

R3-5 MODIFIED (30" X 36") — R3-5 (L) (30" X 36") — R10-11B (24" X 24")

R3-8 MODIFIED (60" X 36")

EXISTING SIGNALS

12" 12" 12" 8"/12"

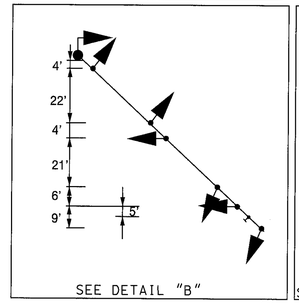
PROPOSED SIGNS

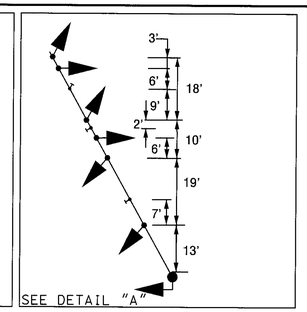
16: R3-5 MODIFIED (30" X 36")
17: R3-5 (L) (30" X 36")
18, 19: R10-11B (24" X 24")
15: R3-8 MODIFIED (60" X 36")

PROPOSED SIGNALS

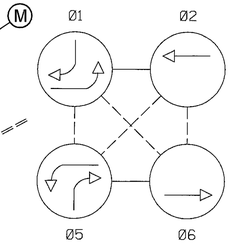
5, 10: 12" 12"
1-4, 6-9: 12" 12"
11-14: 12"

PROPOSED VIDEO DETECTION CAMERA

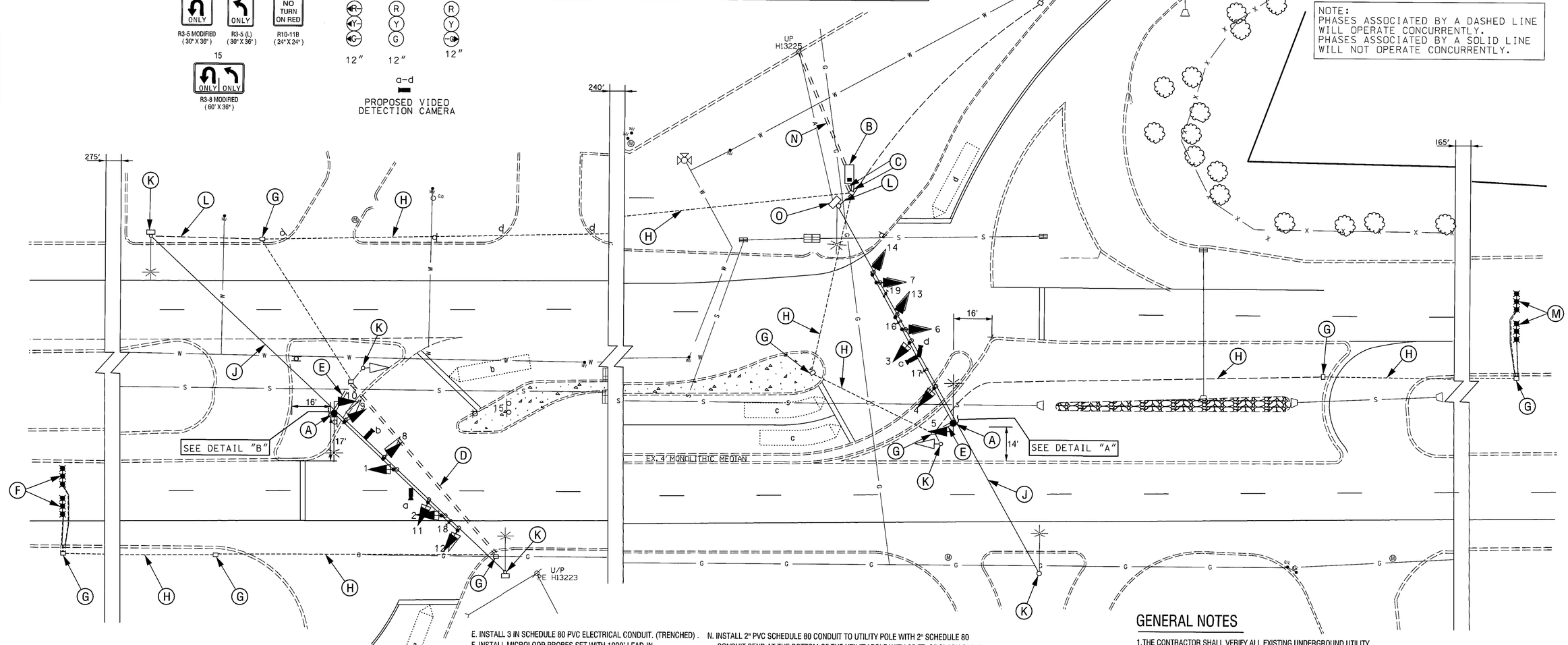




NEMA PHASING



FLASHING OPERATION



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING UNDERGROUND UTILITY PRIOR TO INSTALLATION OF PROPOSED CABINET.

DETECTION ZONE — a

UTILITY LEGEND

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

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH POLE-MOUNTED SIGNAL HEAD, 27' STEEL POLE WITH SINGLE 70' MAST ARM, SIGNAL HEADS, 250W HPS LUMINAIRE WITH PHOTOCELL, 15' LIGHTING ARM, PROPOSED VIDEO DETECTION CAMERA.. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND AND FOUR 2 IN. X 90 IN. ANCHOR BOLTS.

B. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET WITH CONTROL AND DISTRIBUTION EQUIPMENT FOR UNDERGROUND SERVICE. (NOTE: TWO- 4 IN. PVC AND TWO- 2 IN. PVC SCHEDULE 80 CONDUIT BENDS)

C. INSTALL 4 IN SCHEDULE 80 PVC ELECTRICAL CONDUIT. (TRENCHED)

D. INSTALL 4 IN SCHEDULE 80 PVC ELECTRICAL CONDUIT. (SLOTTED)

E. INSTALL 3 IN SCHEDULE 80 PVC ELECTRICAL CONDUIT. (TRENCHED) .

F. INSTALL MICROLOOP PROBES SET WITH 1000' LEAD-IN..

G. USE EXISTING HANDHOLE.

H. USE EXISTING CONDUIT.

J. THE CONTRACTOR SHALL REMOVE SPAN WIRE AND ALL ASSOCIATED SIGNAL HEADS AND WIRING

K. THE CONTRACTOR SHALL REMOVE EXISTING POLE,FOUNDATION, ALL NECESSARY EQUIPMENT,WIRING AND BACK FILL 12" BELOW GRADE.

L. ABANDON EXISTING CONDUIT.

M. THE CONTRACTOR SHALL PULL BACK MICROLOOP LEAD-IN CABLES FROM POLE-MOUNTED CABINET AND REROUTE THROUGH PROPOSED 4" CONDUIT INTO PROPOSED CABINET AND RECONNECT TO PROPOSED RACK MOUNTED AMPLIFIER.

N. INSTALL 2" PVC SCHEDULE 80 CONDUIT TO UTILITY POLE WITH 2" SCHEDULE 80 CONDUIT BEND AT THE BOTTOM OF THE UTILITY POLE WITH 35 FT. OF SLACK CABLE WITH PULL STRING. (3 WIRE-1 CONDUCTOR)

O. THE CONTRACTOR SHALL REMOVE EXISTING POLE MOUNTED CABINET, FOUNDATION AND BACK FILL 12" BELOW GRADE. NOTE: REMOVE EXISTING ELECTRICAL SERVICE.

SABRA, WANG & ASSOCIATES, INC.
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REVISIONS	
B	SIGNAL RECONSTRUCTION FOR SYSTEM INTERCONNECT XX10B5185 — 4/01/02
A	SIGNAL MODIFICATIONS DUE TO GEOMETRIC IMPROVEMENTS WA-920-5177 — 3/31/99

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 (DUAL HWY) AT MT. AETNA ROAD

DRAWN BY:	W.GUCKERT	F.A.P. NO.	WAI53A51/83	TS NO. 1200 (B)	SHEET NO.
CHECKED BY:	W.GUCKERT	S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	WASHINGTON	T.I.M.S. NO. E452	OF
DATE:	12-16-80	LOG MILE:	01004020.90		

R:\004-4177\SSK15\DWG\MT. AETNA.DGN