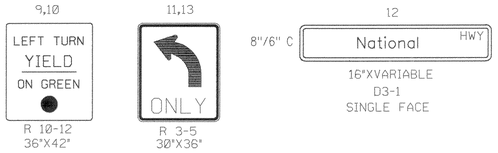
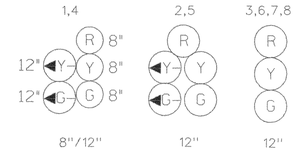
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD		7	16

PROPOSED SIGNS

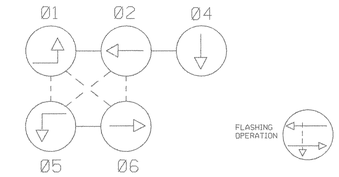


US 40 ALT. RUNS IN AN EAST- WEST DIRECTION.

PROPOSED SIGNALS

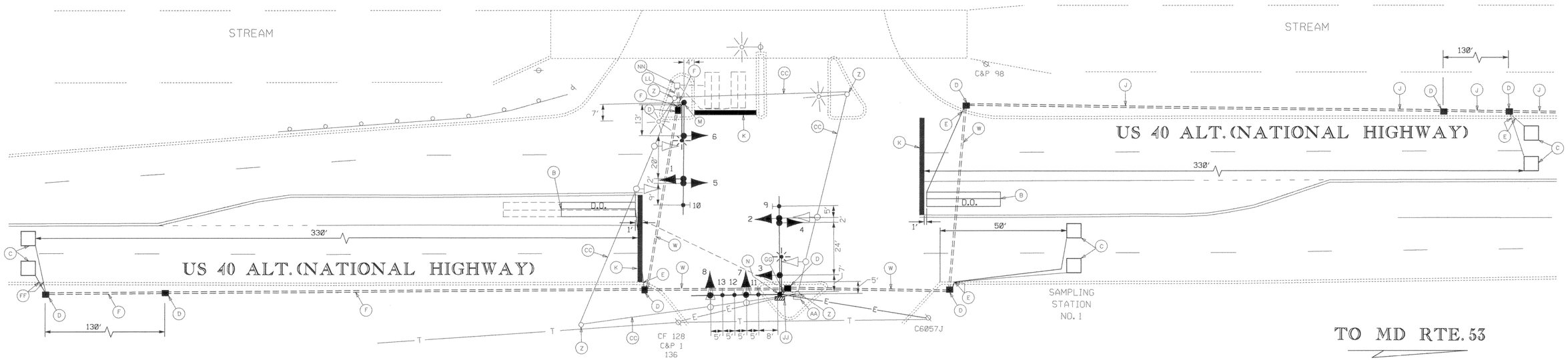


NEMA PHASING



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

LA VALE PLAZA SHOPPING CENTER



CONSTRUCTION DETAILS

A. Install base-mounted cabinet and local controller with all necessary equipment as shown.

B. Install 6'x30' quadruple loop detector encased in 1/4" flexible tubing (3-6-3 turns).

C. Install 6'x6' quadruple loop detector encased in 1/4" flexible tubing (4 turns).

D. Install electrical handhole.

E. Install 1" liquid tight flexible non-metallic conduit for detector sleeve.

F. Install 2" polyvinyl chloride electrical conduit (schedule 40) - trenched.

G. Install new base-mounted cabinet/master controller and system package with all necessary equipment.

H. Install 3" polyvinyl chloride electrical conduit (schedule 80) - bored.

I. Install 4" polyvinyl chloride electrical conduit (schedule 80) - bored.

J. Install 3" polyvinyl chloride electrical conduit (schedule 40) - trenched.

K. Install 24" white line pavement markings.

L. Install overhead interconnect cable.

M. Install 27' steel pole with 50' mast arm, traffic signal heads, 15' lighting arm, and 250-W-HPS luminaire as shown. Install 1-3" bend in pole base. (Cut mast arm to 46'.)

N. Install 27' steel pole with 50' and 50' mast arms, traffic signal heads, signs, 15' lighting arm, and 250-W-HPS luminaire as shown. Install 1-3" bend in pole base. (Cut mast arms to 40' and 36'.)

O. Install 27' steel pole with 50' and 60' mast arms, traffic signal heads, signs, 15' lighting arm, and 250-W-HPS luminaire as shown.

P. Install 27' steel pole with 50' mast arm, traffic signal heads, and signs as shown. (Cut mast arm to 40'.)

Q. Install 27' steel pole with 50' mast arm, traffic signal heads, signs, 15' lighting arm, and 250-W-HPS luminaire as shown.

R. Install 27' steel pole with 50' and 60' mast ams, traffic signal heads, signs, 15' lighting arm, and 250-W-HPS luminaire as shown.

S. Install 27' steel pole with 38' mast arm, traffic signal heads, and signs as shown.

T. Install 27' steel pole with 50' mast arm, traffic signal heads, signs, 15' lighting arm, and 250-W-HPS luminaire as shown. Install 1-2" PVC (schedule 80) bend, 1-3" PVC (schedule 80) bend, 1-3" weatherhead, and 1-3" riser.

U. Install 27' steel pole with 50' and 60' mast arms, traffic signal heads, signs, 15' lighting arm, and 250-W-HPS luminaire as shown. (Cut mast arm from 50' to 40'.)

V. Install 27' steel pole with 50' and 70' mast arms, traffic signal heads, signs, 15' lighting arm and 250-W-HPS luminaire as shown. (Cut mast arms from 70' to 64' and from 50' to 46'.)

W. Install 4" polyvinyl chloride electrical conduit (schedule 80) - slotted.

X. Use existing conduit.

Y. Use existing handhole.

Z. Remove existing steel pole.

AA. Remove and return local pole-mounted controller.

BB. Remove existing mast arm.

CC. Remove existing span wire and associated wiring.

DD. Remove and return local base-mounted controller.

EE. Install interconnect cable between existing signal poles.

FF. Install 1" galvanized conduit sleeve for detector wire.

GG. Install 4" polyvinyl chloride electrical conduit (schedule 40) - trenched.

HH. Use existing signal pole for cable run.

II. Install sheet aluminum sign on wood post.

JJ. Install pole-mounted cabinet and local controller with all necessary equipment as shown.

KK. Remove existing handhole.

LL. Cap and abandon existing conduit.

MM. Install 3" polychloride electrical conduit (schedule 80) - slotted.

NN. Splice existing loop wire to new 2-conductor (aluminum shielded) cable at existing handhole.

OO. Remove existing loop detector wire.

PP. Use existing base-mounted cabinet and controller (identify wiring in cabinet). Add equipment as specified in the Special Provision report, as applicable.

QQ. Install 2" polychloride electrical conduit (schedule 80) - trenched.

RR. Install 3" PVC conduit bend in existing pole base.

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

Sverdrup
CIVIL, INC.
CONSULTING ENGINEERS
575 South Charles Street
Suite 404
Baltimore, Maryland 21201
Tel. (410) 837-5840

GENERAL NOTES

1. 'D.O.' INDICATES A DELAY-OUTPUT LOOP DETECTOR.
2. LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.

REVISIONS

Reconstruct Traffic Signal and Interconnect April 1998	A

APPROVALS

ORIGINAL

ASST. DIVISION CHIEF, DESIGN SECTION

ON

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

FILE

DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
US 40 ALT. AND LA VALE PLAZA SHOPPING CENTER

SIGNAL NO. 01A04006.43 DATE APRIL 1998

DRAWN BY: S.A.	F.A.P. NO.		T.S. NO.		
CHECK BY: R.D.	S.H.A. NO.				
SCALE: 1" = 20'	COUNTY	ALLEGANY	TS3741A	7	OF 16

04/24/98

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p:\2003\add\a\s20\ss02\us40.dgn