F.H.W.A. REGION NO.		FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.	SEE TITLE SHEET	41	51

SIGNS

7

RED SIGNAL AHEAD

5' X 7'
LED SIGN

8,11

NEW

W3-3
48" X 48"
NEW

9

LEFT TURN
YIELD
ON GREEN

R 10-12
36"X42"

10

ONLY

R 3-5L
30" X 36"

12

NEW

W3-3
36" X 36"
NEW

13,13A

RACE TRACK RD

D3-2
16" X VARIABLE
DUAL FACE

14

WORCESTER HWY.

D3-2
16" X VARIABLE
SINGLE FACE

SIGNALS

1,2,4,5,6

R
Y
G

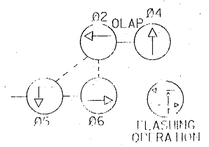
12"

3

R
Y
G

12"

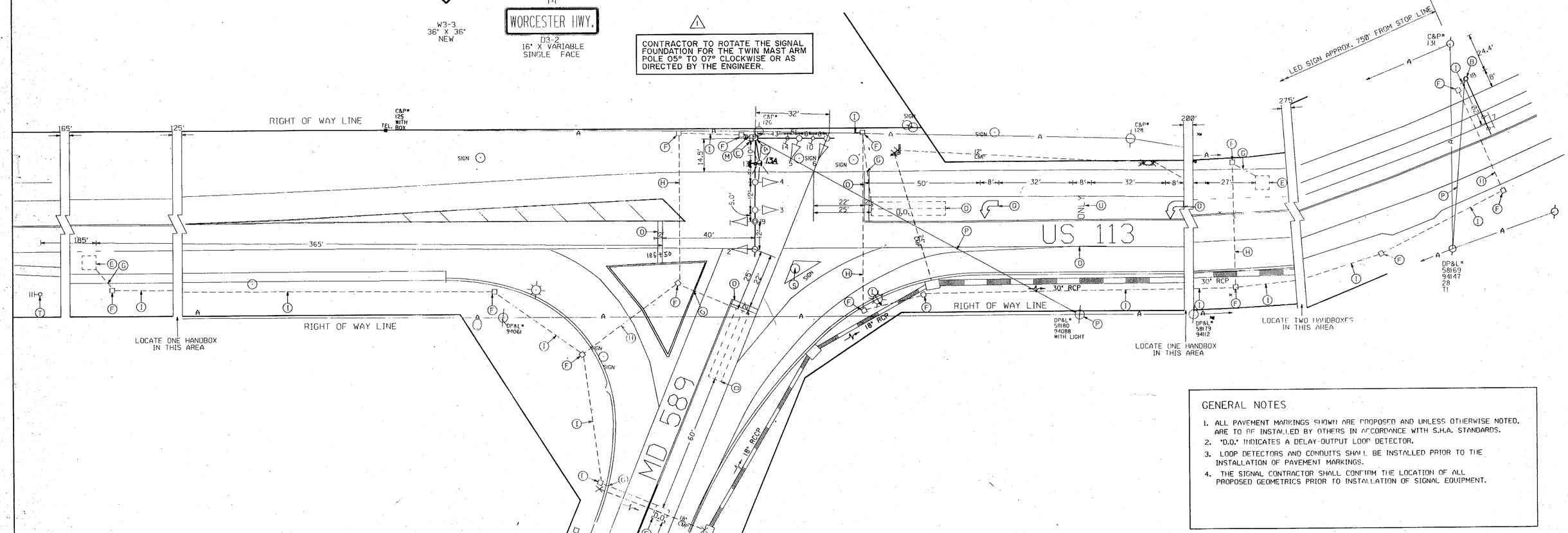
NEMA PHASING



PHASING NOTES

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

⚠1 CONTRACTOR TO ROTATE THE SIGNAL FOUNDATION FOR THE TWIN MAST ARM POLE 05° TO 07° CLOCKWISE OR AS DIRECTED BY THE ENGINEER.



GENERAL NOTES

1. ALL PAVEMENT MARKINGS SHOWN ARE PROPOSED AND UNLESS OTHERWISE NOTED, ARE TO BE INSTALLED BY OTHERS IN ACCORDANCE WITH S.H.A. STANDARDS.
2. "D.O." INDICATES A DELAY-OUTPUT LOOP DETECTOR.
3. LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
4. THE SIGNAL CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT.

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
7799 Leesburg Pike
Suite 700, South Tower
Falls Church, Virginia 22043
Tel. (703) 790-0040

REVISIONS

⚠ ADDENDUM NO. 1 2-08-94
ADDED NOTE

APPROVALS

12/6/93
CHIEF, SIGNAL DESIGN SECTION

ASST. DISTRICT ENGINEER, TRAFFIC

12/6/93
CHIEF, TRAFFIC ENGINEERING DIVISION

12/6/93 TSO
DIRECTOR, OFFICE OF TRAFFIC AND SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic and Safety
TRAFFIC ENGINEERING DESIGN DIVISION
US 113 (WORCESTER HWY) AND MD 589 (RACE TRACK RD)

DRAWN BY:
DES. BY:
CHK. BY: 12/6/93

LOG MILE : 23011333.30
COUNTY : WORCESTER

DATE :
SCALE : 1" = 20'
F.A.P. NO. SEE TITLE SHEET
S.H.A. NO. WO 685-501-176
TS/STD. NO. 3397
SHEET NO. 41 OF 51