F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD.		27	33

PROPOSED SIGNS

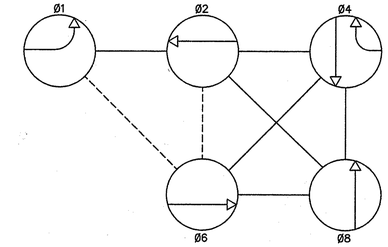
11
LEFT TURN YIELD ON GREEN
R10-12
36" x 42"

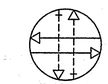
13,14
N. ROLLING RD.
D3-2
16"x VARIABLE
(DUAL-FACED)

15
ONLY
R3-5R
30"x36"

10,12
N. ROLLING RD.
D3-2
16"x VARIABLE
(DUAL-FACED)

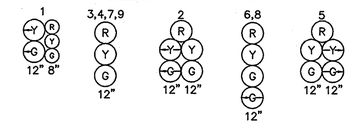
NEMA PHASING





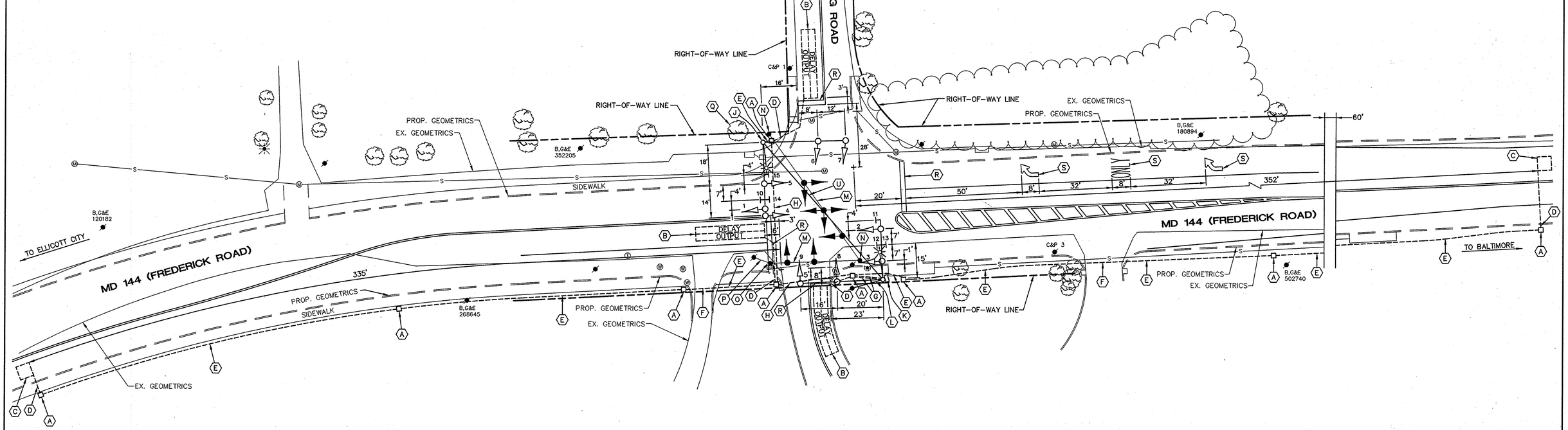
FLASHING OPERATION

PROPOSED SIGNALS



PHASING NOTES:

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



GENERAL NOTES:

1. PROPOSED PAVEMENT MARKING ARE TO BE INSTALLED BY OTHERS.
2. ALL LOOP DETECTORS AND CONDUIT IN THE ROADWAY SHALL BE INSTALLED PRIOR TO THE FINAL SURFACE COURSE
3. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION AND VERIFY THE LOCATION OF ALL SIGNAL EQUIPMENT WITH ROAD CONTRACTOR TO ENSURE ADEQUATE OFFSETS AND ELEVATIONS.
4. THE CONTRACTOR SHALL TEMPORARILY INSTALL 3/8" SPAN WIRE AND SIGNAL HEADS TO BE USED DURING CONSTRUCTION STAGING.

UNDERGROUND UTILITIES

ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

A/E GROUP, INC.
CONSULTING ENGINEERS PLANNERS
11409 CRONHILL DRIVE
OWINGS MILLS, MD. 21117
(410)-363-1908

REVISIONS

Ⓐ 6/22/93
RECONSTRUCT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS
SHA. NO. B-969-201-476
TMZ

APPROVALS

CHIEF, SIGNAL DESIGN SECTION
ASST. DISTRICT ENGINEER, TRAFFIC
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION – OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

DRAWN BY: J. WEAVER (CADD)
DES. BY: T. ZAYDEL
CHK. BY: E. GUY STANTON

TRAFFIC SIGNAL PLAN
MD 144 (FREDERICK ROAD) AT NORTH ROLLING ROAD

COUNTY: BALTIMORE

DATE: 7/28/93
SCALE: 1"=20'
F.A.P. NO.
S.H.A. NO.
TS/FILE NO. TS-3356
SHEET NO. 27 OF 33