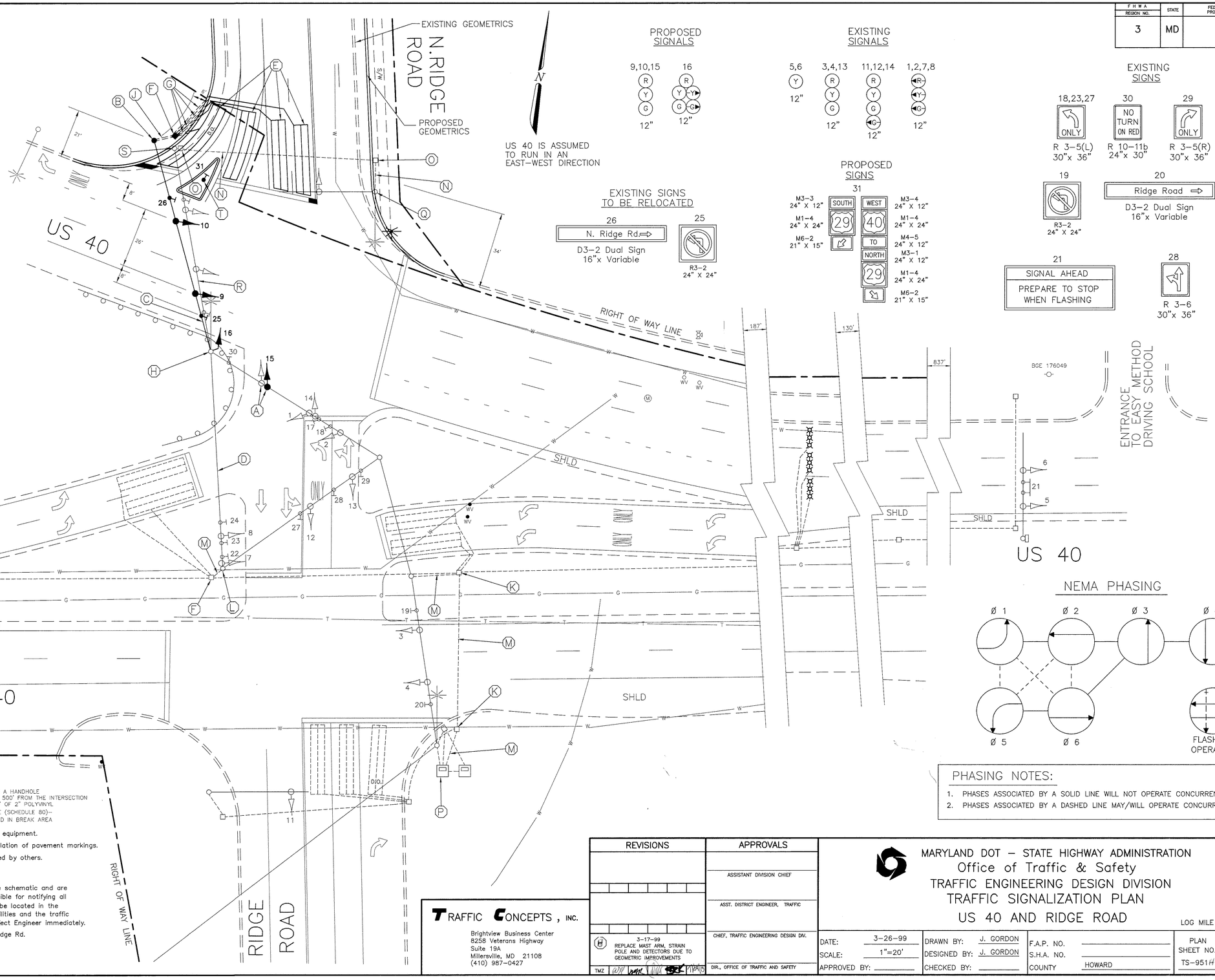
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

CONSTRUCTION DETAILS

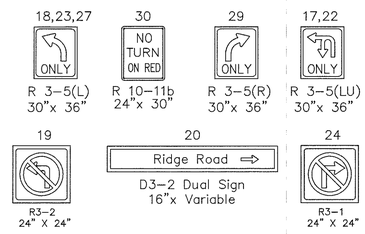
A. Remove existing 5-section signal head and install new 3-section signal head
B. Install 14 in. X 32 ft. steel strain pole (Note: one-2", 90 degree, schedule 80 polyvinyl chloride bend)
C. Install 3/8" steel span wire with 1/4" steel tether and signal heads.
D. Use existing 3/8" steel span wire.
E. Install 6' x 30' loop detector encased in 1/4" flexible tubing, quadrupole type (3-6-3 winding)
F. Install handhole.
G. Install 1" galvanized steel electrical conduit for detector lead-in.
H. Install 5-section signal head on existing strain pole
J. Install 2" (Schedule 80) polyvinyl chloride electrical conduit - trenched.
K. Use existing handhole.
L. Use existing strain pole.
M. Use existing conduit.
N. Cap and abandon existing conduit.
O. Remove existing handhole.
P. Use existing base mounted cabinet and controller.
Q. Remove existing mast arm and signal heads. Relocate mast arm as shown on the general information sheet.
R. Remove existing span wire and signal heads. Relocate sign to new span wire.
S. Remove existing strain pole.
T. Install route marker assemblies on 4 in. x 6 in. wood posts.



PROPOSED SIGNALS

EXISTING SIGNALS

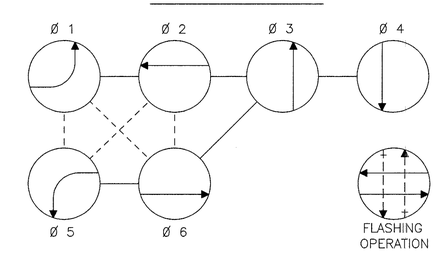
EXISTING SIGNS



EXISTING SIGNS TO BE RELOCATED

PROPOSED SIGNS

NEMA PHASING



PHASING NOTES:

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

NOTES

1. "D.O." indicates delay output loop detector.
2. Geometrics shall 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. Pavement markings detailed are proposed and are to be installed by others.
5. Revision "H" is a revision to the traffic signal built in 1978 under Contract S.H.A. No.: HO-508-501-785.
6. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur the Contractor shall notify the appropriate Project Engineer immediately.
7. Disconnect and abandon existing detectors on southbound N. Ridge Rd.
8. Install new loop detectors 1 ft. behind the stopline

TRAFFIC CONCEPTS, INC.
Brightview Business Center
8258 Veterans Highway
Suite 19A
Millersville, MD 21108
(410) 987-0427

REVISIONS	APPROVALS
	ASSISTANT DIVISION CHIEF
	ASST. DISTRICT ENGINEER, TRAFFIC
H 3-17-99 REPLACE MAST ARM, STRAIN POLE AND DETECTORS DUE TO GEOMETRIC IMPROVEMENTS	CHIEF, TRAFFIC ENGINEERING DESIGN DIV.
TMZ	DIR., OFFICE OF TRAFFIC AND SAFETY

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

LOG MILE NO. 130041018.56

DATE: 3-26-99	DRAWN BY: J. GORDON	F.A.P. NO.		PLAN SHEET NO.: TS-951H	SHEET NO. ___ OF ___
SCALE: 1"=20'	DESIGNED BY: J. GORDON	S.H.A. NO.			
APPROVED BY:	CHECKED BY:	COUNTY	HOWARD		