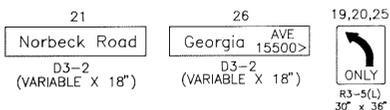
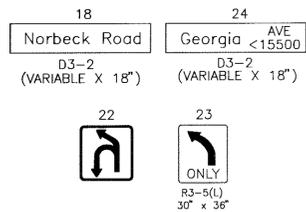


F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD		1	2

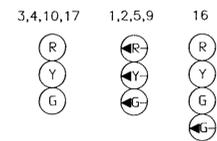
PROPOSED SIGNS



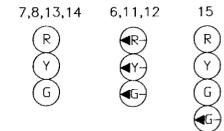
EXISTING SIGNS



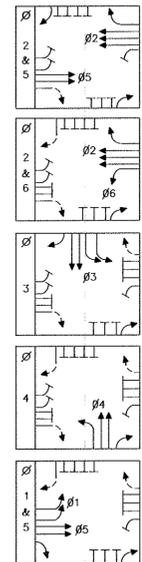
PROPOSED 12" SIGNALS



EXISTING 12" SIGNALS

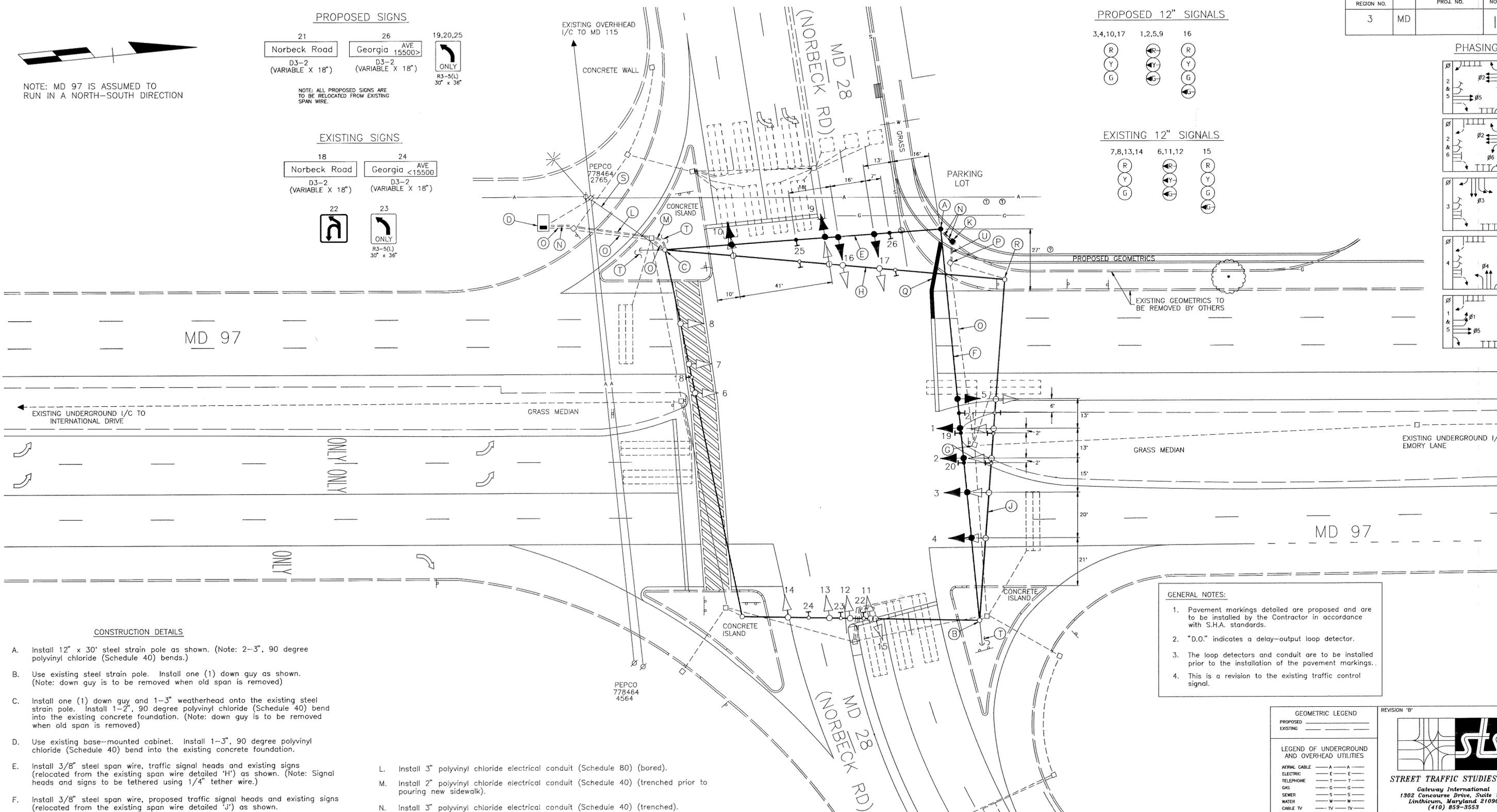


PHASING



NOTE: MD 97 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

NOTE: ALL PROPOSED SIGNS ARE TO BE RELOCATED FROM EXISTING SPAN WIRE.



CONSTRUCTION DETAILS

- A. Install 12" x 30" steel strain pole as shown. (Note: 2-3", 90 degree polyvinyl chloride (Schedule 40) bends.)
- B. Use existing steel strain pole. Install one (1) down guy as shown. (Note: down guy is to be removed when old span is removed)
- C. Install one (1) down guy and 1-3" weatherhead onto the existing steel strain pole. Install 1-2", 90 degree polyvinyl chloride (Schedule 40) bend into the existing concrete foundation. (Note: down guy is to be removed when old span is removed)
- D. Use existing base-mounted cabinet. Install 1-3", 90 degree polyvinyl chloride (Schedule 40) bend into the existing concrete foundation.
- E. Install 3/8" steel span wire, traffic signal heads and existing signs (relocated from the existing span wire detailed 'H' as shown. (Note: Signal heads and signs to be tethered using 1/4" tether wire.)
- F. Install 3/8" steel span wire, proposed traffic signal heads and existing signs (relocated from the existing span wire detailed 'J' as shown.
- G. Pull back the existing interconnect cable from the existing controller to the pole on the southwest quadrant, across the existing span wire, down the pole on the northwest quadrant to the existing handhole and thru the existing conduit to this handhole. Reroute the interconnect cable thru the existing conduit to the proposed handhole, up the proposed steel pole, across span and into the existing controller. Splice the existing loop detector lead-ins into new 2-conductor electrical cable (No. 14 A.W.G.) (aluminum shielded). (See Wiring Diagram.)
- H. Relocate existing signs to the proposed steel span wire detailed 'E' as shown. Remove steel span wire, existing traffic signal heads and all associated wiring.
- J. Relocate existing signs to the proposed steel span wire detailed 'F' as shown. Remove steel span wire, existing traffic signal heads and all associated wiring.
- K. Install handhole.
- L. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- M. Install 2" polyvinyl chloride electrical conduit (Schedule 40) (trenched prior to pouring new sidewalk).
- N. Install 3" polyvinyl chloride electrical conduit (Schedule 40) (trenched).
- O. Use existing conduit.
- P. Remove existing handhole frame and cover, extend existing conduit to proposed handhole as shown. Fill with concrete.
- Q. Install pavement markings as shown.
- R. Remove existing steel strain pole. Chip and remove foundation 12" below grade. (Cap and abandon attached conduit.)
- S. Existing overhead electrical service to be maintained by PEPCO.
- T. Remove existing concrete sidewalk and replace after proposed signal equipment is installed.
- U. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).

GENERAL NOTES:

1. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with S.H.A. standards.
2. "D.O." indicates a delay-output loop detector.
3. The loop detectors and conduit are to be installed prior to the installation of the pavement markings.
4. This is a revision to the existing traffic control signal.

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
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

REVISION 'B'

STREET TRAFFIC STUDIES, LTD.
 Gateway International
 1302 Concourse Drive, Suite 104
 Linthicum, Maryland 21090
 (410) 859-3553

REVISIONS	APPROVALS
(B) MODIFY SIGNAL DUE TO ADDITION OF SOUTHBOUND RT. TURN LANE SHA NO.: BW 911MB1 R.R.Z. 7-30-96 A RECONSTRUCT SIGNAL WEST LEG GEOMETRICS 9-8-90 B.K. W.J.C.	ASSISTANT DIVISION CHIEF, TRAFFIC ASST. DISTRICT ENGINEER, TRAFFIC CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION DIRECTOR, OFFICE OF TRAFFIC AND SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic and Safety
 TRAFFIC ENGINEERING DESIGN DIVISION

MD 97 AND MD 28
 COUNTY MONTGOMERY

DRAWN BY: B. KENT	F.A.P. NO.	TS/STD. NO.	SHEET NO.
DES. BY: W.J.C.	S.H.A. NO. BW 348-802-312	190 B	1 OF 2
CHK. BY:	DATE: JUNE 13, 1990	SCALE: 1"=20'	

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