Shady Grove Road is considered to run in a North/South direction.

PROPOSED SIGNS

7,8	9	10
ONLY	NO TURN ON RED THIS LANE	TURN ON RED OK THIS LANE ONLY
R3-5L 30" x 36"	R3-5(2) 54" x 30"	R3-5(2) 54" x 30"

EXISTING SIGNALS To Be Replaced
(Furnished By County)

1.2.5.6

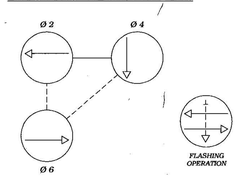
R
Y
G
12"

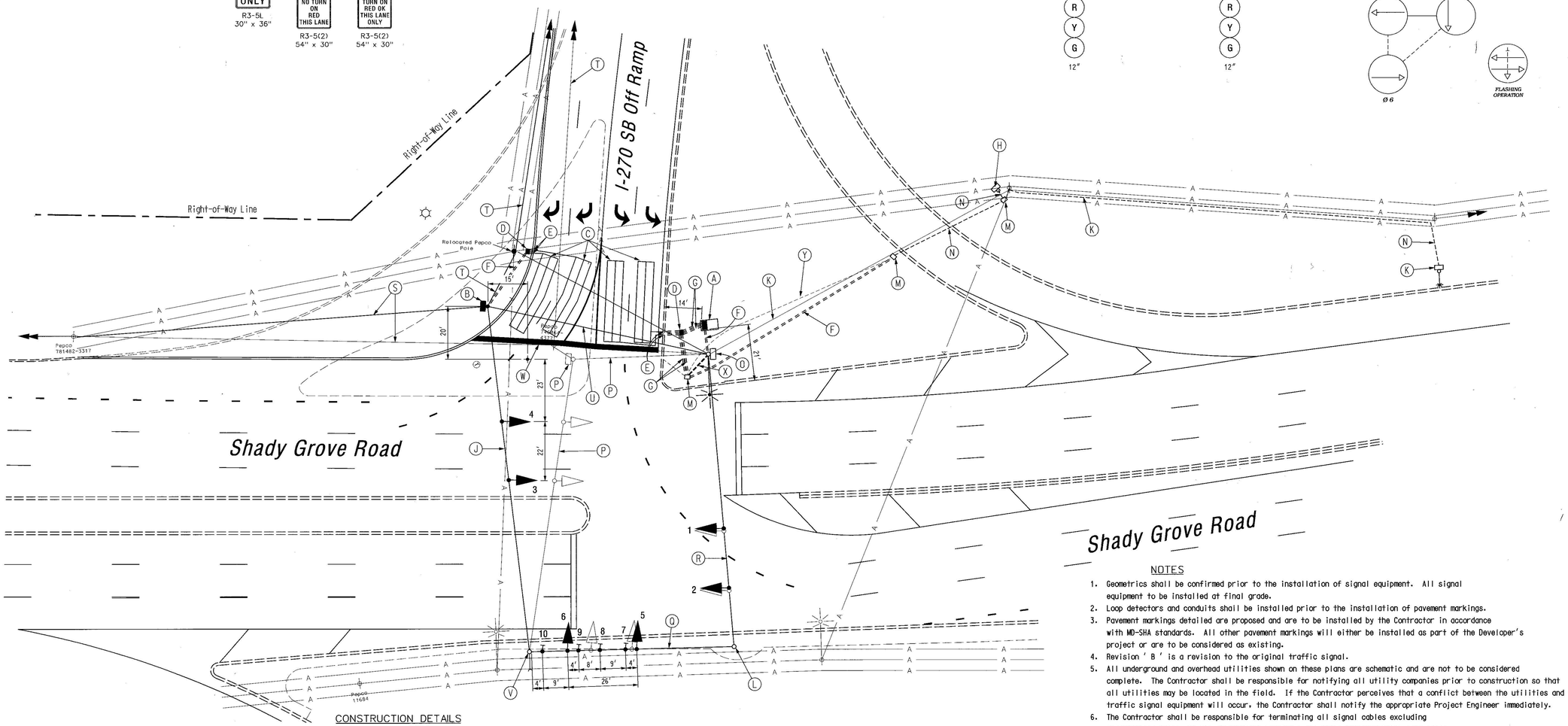
PROPOSED SIGNALS

3.4

R
Y
G
12"

EXISTING NEMA PHASING





CONSTRUCTION DETAILS

A. Install NEMA 6 base mounted cabinet. (Install relocated controller equipment).
B. Install 12 in. x 30 ft. steel strain pole, and interconnect splice box (Note: one 3 in. PVC conduit bend).
C. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
D. Install handhole.
E. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
F. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
G. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install new interconnect cable, run from new cabinet/controller to existing splice box.
J. Install $\frac{3}{8}$in. span wire and vehicle signal heads as shown.
K. Replace existing power feed for existing surveillance camera utilizing existing conduits and overhead utility attachments.
L. Use existing steel strain pole.
M. Use existing handbox.
N. Use existing conduit.
O. Use existing steel strain pole. Remove existing cabinet. Relocate controller and all necessary equipment to new cabinet. Utilize existing overhead electrical service connection for electrical service to new cabinet. Install 15 ft. luminaire arm and 250 W HPS luminaire. Utilize existing elbow for new electrical service run, install an additional 4 in. elbow into existing base, and an additional 3 in. weatherhead.
P. Remove existing steel strain pole, span wire, interconnect cable, and existing equipment.
Q. Use existing span wire, install proposed signs and replace existing signal heads as shown.
R. Use existing span wire, replace existing signal heads as shown.
S. Pull back existing interconnect cable from existing splice box and re-install to proposed splice box.
T. Relocate existing interconnect cable run from existing utility poles to new utility poles and re-install to proposed splice box.
U. Install $\frac{3}{8}$in. span wire.
V. Use existing steel strain pole and install a temporary back guy.
W. Install 24 in. wide heat applied thermoplastic pavement marking - white for stop line.
X. Replace existing conduit with 4 in. polyvinyl chloride [Schedule 80] electrical conduit.
Y. Cap and abandon existing conduit.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment to be installed at final grade.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. Revision ' B ' is a revision to the original traffic signal.
5. 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 equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
6. The Contractor shall be responsible for terminating all signal cables excluding interconnect cable, to the appropriate terminals and shall properly label each cable.
7. Disconnecting and splicing interconnect cable shall be preformed by MC-DOT forces. The Contractor shall run the interconnect cable into the base of each cabinet and properly tag the cable. Contact Bob Gonzales at 240-777-8761 seventy-two (72) hours in advance of the intended work.
8. Contact Montgomery County TMC at 240-777-2100 to mark existing underground traffic signal equipment at least seventy-two (72) hours in advance of the intended work.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

G — G — GAS MAIN
W — W — WATER MAIN
S — S — SEWER MAIN
E — E — ELECTRIC CABLES
D — D — STORM DRAIN
A — A — AERIAL CABLES
T — T — TELEPHONE CABLES

The Traffic Group
The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS

A ASBUILT AND REDRAWN						7-23-1986
MS						
(B) Modification due to new geometrics						December 8, 2003
TIMS F710					S.H.A. No.: BW996M82	

FDB/jd | CHECKED BY | YEAR

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

Shady Grove Road at I-270 SB Off Ramp

DRAWN BY: I. HOROWITZ	F.A.P. NO. N/A	TS 1352B 12-92	SHEET NO. 1 OF 2
CHECKED BY: A. BUNDNICHUK	S.H.A. NO. M-174X-000-385	T.I.M.S. NO.	
SCALE: 1" = 20'	COUNTY: Montgomery		
DATE: 7-14-1975	LOG MILE: 15021202.85		

15027008.39

F:\1999\1990212\ES\100\des\SGPLAN-SHA.dgn 12/08/2003