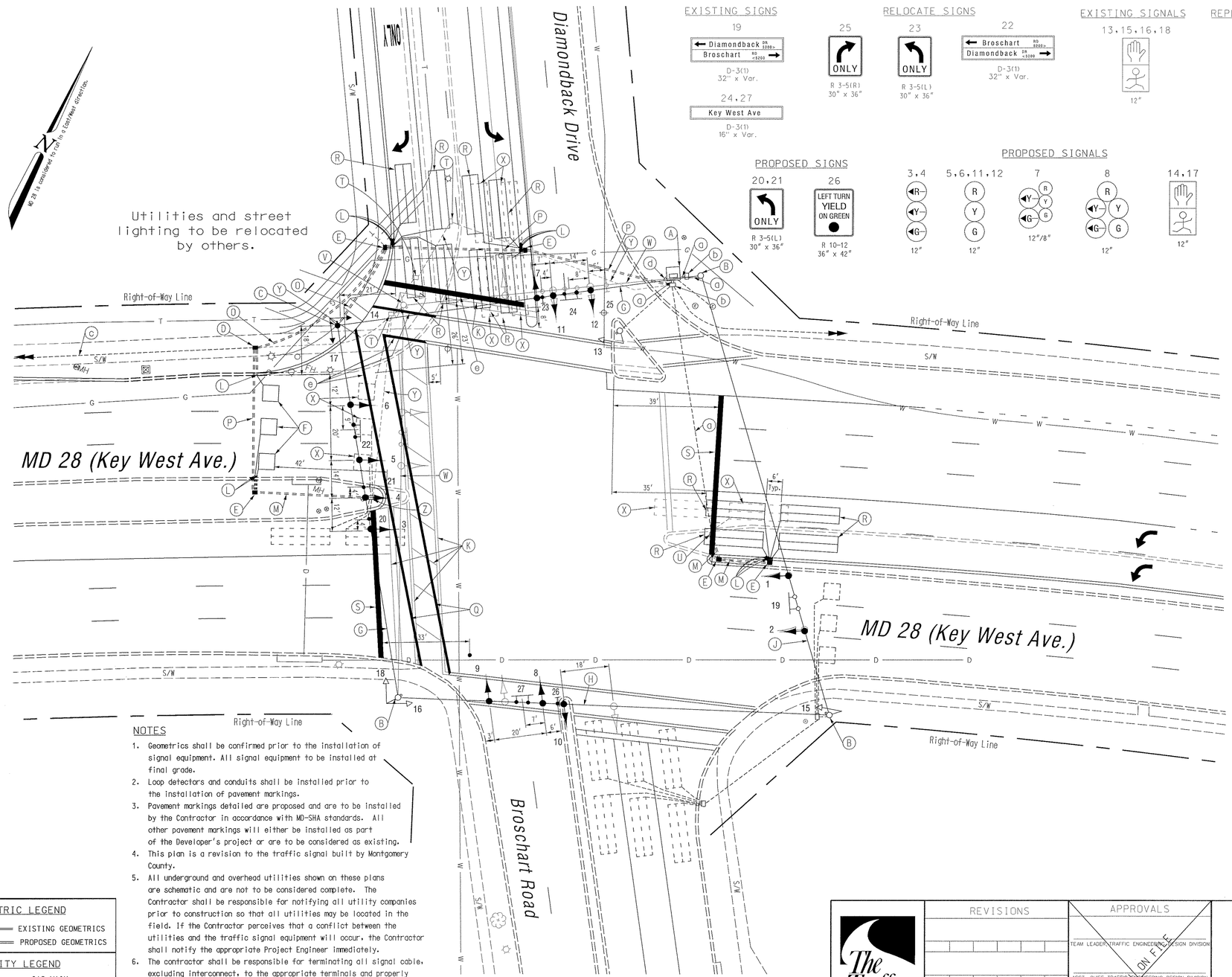

EXISTING SIGNS

19 — Diamondback Dr. <5200 / Broschart Rd. <5200 — D-3(1) 32" x Var.

24,27 — Key West Ave — D-3(1) 16" x Var.

RELOCATE SIGNS

25 — ONLY — R 3-5(R) 30" x 36"

23 — ONLY — R 3-5(L) 30" x 36"

22 — Broschart Rd. <5200 / Diamondback Dr. <5200 — D-3(1) 32" x Var.

EXISTING SIGNALS

13,15,16,18 — 12"

REPLACE SIGNALS

1,2,9,10 — R Y G — 12"

PROPOSED SIGNS

20,21 — ONLY — R 3-5(L) 30" x 36"

26 — LEFT TURN YIELD ON GREEN — R 10-12 36" x 42"

PROPOSED SIGNALS

3,4 — R Y G — 12"

5,6,11,12 — R Y G — 12"

7 — R Y G 6 — 12"/8"

8 — R Y G — 12"

14,17 — 12"

PROPOSED NEMA PHASING

Ø2 Ø4 Ø5 Ø6 Ø7 Ø8

Ø4 Alt.

FLASHING OPERATION

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. This plan is a revision to the traffic signal built by Montgomery County.
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 cable, excluding interconnect, to the appropriate terminals and properly label each cable.
7. Disconnecting and splicing of interconnect cable shall be performed by Montgomery County Forces. The contractor shall run the interconnect cable into the base of each cabinet and properly tag the cable. Contact Mr. Bob Gonzales at (240) 777-8761 seventy two hours in advance of the intended work.

CONSTRUCTION DETAILS

A. Use existing base mounted cabinet/controller, and all atached equipment.
B. Use existing steel strain pole.
C. Install 12 in. x 32 ft. steel strain pole with pedestrian signalheads, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 4 in. PVC conduit bend).
D. Install handhole on existing conduit run.
E. Install handhole.
F. Install 6 ft. x 6 ft. vehicle loop detectors (4 turns).
G. Install 1½in. steel span wire with black faced vehicle signal heads, and signs. Relocate sign as shown.
H. Use existing span wire. Remove and replace existing signal heads. Install new black faced traffic signal heads, and signs. Relocate signs as shown.
J. Use existing steel span wire. Replace existing vehicle signal head with black faced vehicle signal heads.
K. Remove existing pavement markings by grinding.
L. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
M. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
O. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
P. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
Q. Install 12 in. wide pavement marking -white for crosswalk.
R. Install 6 ft. x 22 ft. quadrupole type vehicle loop detector (3-6-3 turns).
S. Install 24 in. wide pavement marking - white for stop line.
T. Remove existing handhole
U. Remove existing handhole. Tie new 2 in. polyvinyl chloride [Schedule 80] electrical conduit to existing conduit.
V. Remove existing steel strain pole and all attached equipment.
W. Remove existing span wire and all attached equipment. Relocate signs.
X. Abandon existing loop detector.
Y. Cap and abandon existing conduit.
Z. Use existing handhole. Splice existing loop detector to new 2-conductor aluminum shielded cable.
a. Use existing conduit.
b. Use existing handhole.
c. Use the next existing handhole. Pull back existing I/C cable and rerun in new conduit to existing cabinet.
d. Install 4 in. conduit into existing cabinet foundation.
e. Pavement marking to be installed by MC-DOT.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

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

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

REVISIONS

Geometric changes. December 18, 2000
Relocate pole and loop work.
S.H.A. No.:BW996M82

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)

MD 28 at Diamondback Drive/Broschart Road

DRAWN BY:	F.A.P. NO. N/A	TS NO. 4058	SHEET NO. 1 OF 2
CHECKED BY:	S.H.A. NO. BW996M82		
SCALE: 1" = 20'	COUNTY: Montgomery	T.I.M.S. NO. E127	
DATE:	LOG MILE:		

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