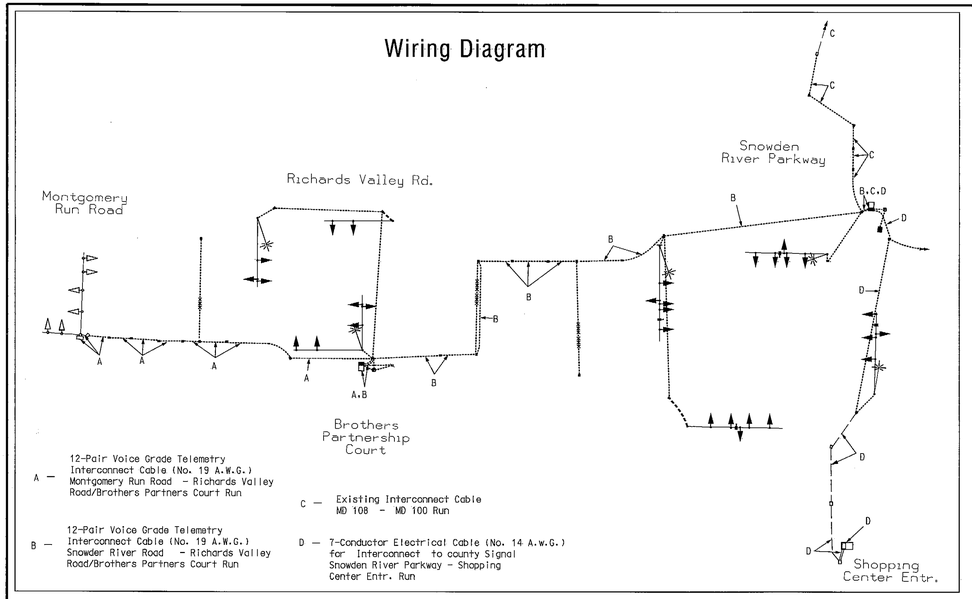
## Wiring Diagram

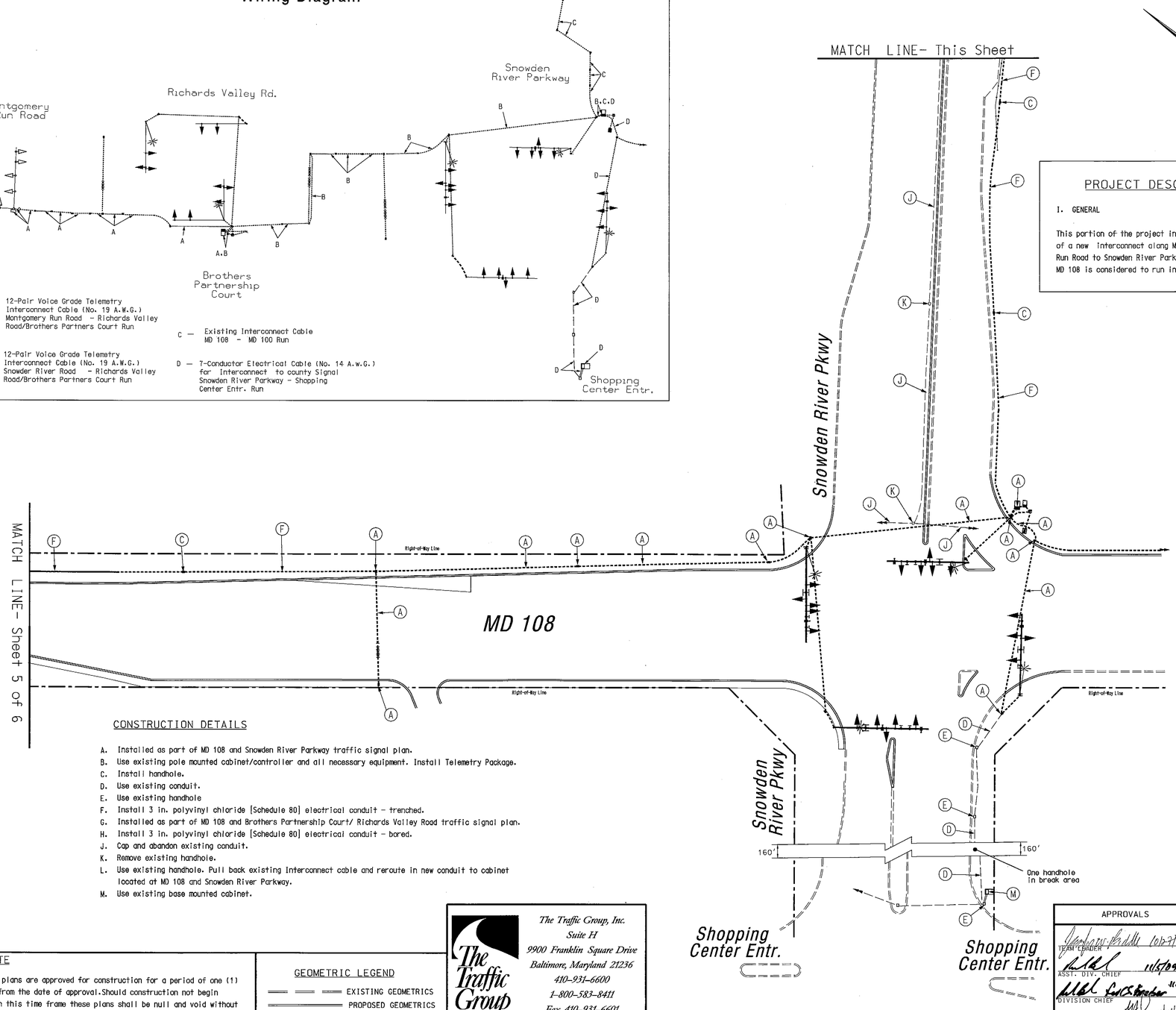


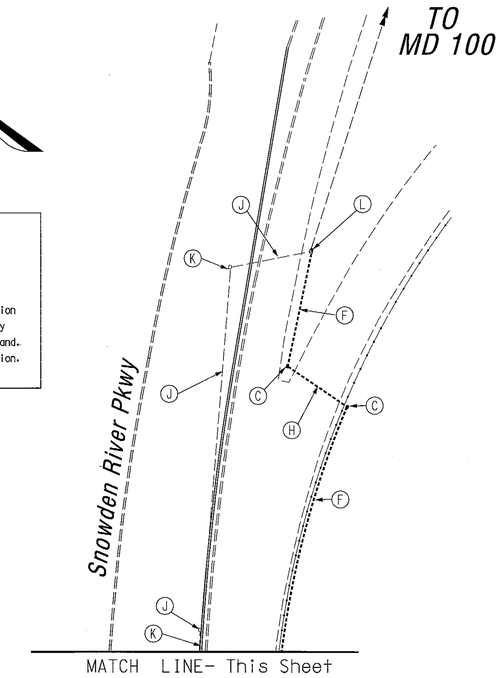

A — 12-Pair Voice Grade Telemetry Interconnect Cable (No. 19 A.W.G.) Montgomery Run Road - Richards Valley Road/Brothers Partners Court Run

B — 12-Pair Voice Grade Telemetry Interconnect Cable (No. 19 A.W.G.) Snowder River Road - Richards Valley Road/Brothers Partners Court Run

C — Existing Interconnect Cable MD 108 - MD 100 Run

D — 7-Conductor Electrical Cable (No. 14 A.w.G.) for Interconnect to county Signal Snowden River Parkway - Shopping Center Entr. Run




### PROJECT DESCRIPTION

I. GENERAL

This portion of the project involves the installation of a new interconnect along MD 108 from Montgomery Run Road to Snowden River Parkway in Howard, Maryland. MD 108 is considered to run in an east/west direction.

### EQUIPMENT LIST

A. S.H.A. furnished equipment material. None.

B. Equipment to be furnished and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

| Quantity | Units | Description |
|---|---|---|
| Lump Sum | LS | Mobilization. |
| Lump Sum | LS | Maintenance of traffic. |
| 11 | EA | Handhole. |
| 1440 | LF | 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched. |
| 230 | LF | 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored. |
| 530 | LF | 7-conductor electrical cable (No. 14 A.W.G) - For County Interconnect. |
| 2550 | EA | 12 pair telemetry interconnect cable (No. 19 A.W.G. (Jelly filled). |
| 1 | EA | Telemetry package for existing cabinet. |
| Lump Sum | LS | Relocate existing interconnect cable. (Aprox 600 Ft.). |

### CONSTRUCTION DETAILS

A. Installed as part of MD 108 and Snowden River Parkway traffic signal plan.
B. Use existing pole mounted cabinet/controller and all necessary equipment. Install Telemetry Package.
C. Install handhole.
D. Use existing conduit.
E. Use existing handhole
F. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
G. Installed as part of MD 108 and Brothers Partnership Court/ Richards Valley Road traffic signal plan.
H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
J. Cap and abandon existing conduit.
K. Remove existing handhole.
L. Use existing handhole. Pull back existing Interconnect cable and reroute in new conduit to cabinet located at MD 108 and Snowden River Parkway.
M. Use existing base mounted cabinet.

### NOTE

These plans are approved for construction for a period of one (1) year from the date of approval. Should construction not begin within this time frame these plans shall be null and void without a re-review from the Traffic Engineering design Division.

### GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS


The Traffic Group
The Traffic Group, Inc.
Suite H
9900 Franklin Square Drive
Baltimore, Maryland 21236
410-931-6600
1-800-583-8411
Fax 410-931-6601


| APPROVALS | REVISIONS |
|---|---|
| TEAM LEADER 10/27/09 | |
| ASST. DIV. CHIEF 11/5/09 | |
| DIVISION CHIEF 11/5/09 | |
| OFFICE DIRECTOR 11/24 | |

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

Shipley's Grant
MD 108 From Montgomery Run Road to Snowden River Parkway

## INTERCONNECT PLAN

SCALE 1" = 40' DATE Aug 20, 2009 CONTRACT NO. BW996M82

DESIGNED BY Frank Hoeckel
DRAWN BY Frank Hoeckel
CHECKED BY CJW
F.A.P. NO. N/A
COUNTY Howard
LOGMILE 13010813.15 - 13010813.70
T.I.M.S. NO. I-633
TOD NO.

DRAWING NO. IC Sheet 2 of 2 SHEET NO. 6 OF 6

DRILL HOLES
DRILL HOLES
DRILL HOLES

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