EXISTING SIGNS

14 — R 3-2, 30" x 30"

18 — Ironwood Drive, D-3(1), 16" x Var.

15a — Middletown Road

15b — Middletown Road, D-3(1), 16" x Var. (Dual Faced)

16, 17, 20 — ONLY, R 3-5(L), 30" x 36"

22, 24 — R 3-6(L), 30" x 36"

19, 23 — Berry Road, D-3(1), 16" x 96"

21 — WEST 228 EAST, M95-1, 24" x 96"

25 — EAST 228 WEST, M95-1, 24" x 96"

MD 228 is considered to run in an East/West direction.

EXISTING SIGNALS

1, 2, 6, 7, 10, 13 — R, Y, G, 12"

3–5 — R, Y, G, 12"

8, 11 — R, Y, G, 12"/8"

9, 12 — R, Y, G, 12"

EXISTING CAMERAS

32–34

PROPOSED SIGNS

37, 38 — R 10-4(1), 9" x 12" (To Be Installed With Pushbutton). Sign to read: PUSH BUTTON TO CROSS MD 228

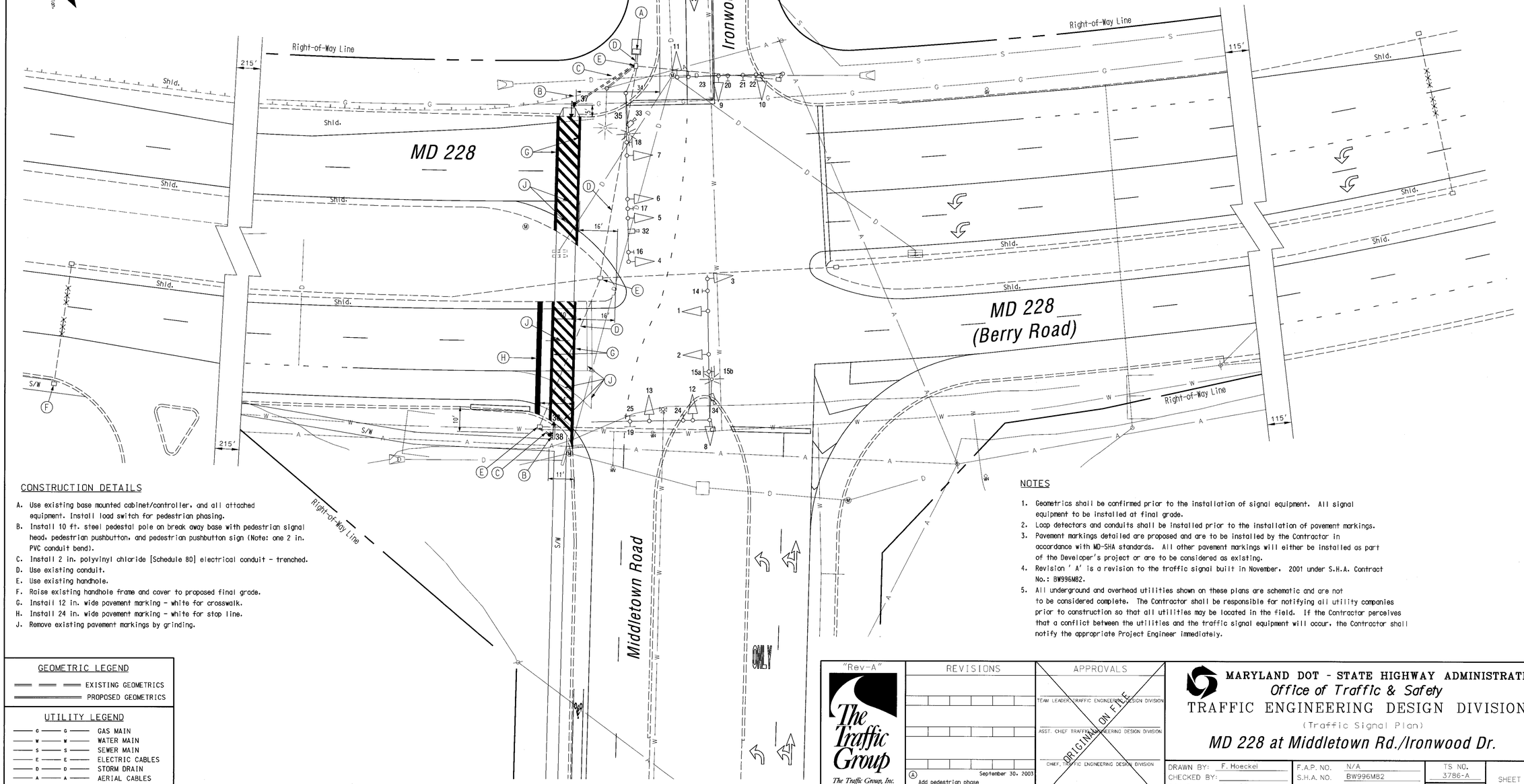
PROPOSED SIGNALS

35, 36 — 12"

PROPOSED EMA PHASING

Ø2, Ø3, Ø4, Ø4 Alt., Ø5, Ø6

FLASHING OPERATION



CONSTRUCTION DETAILS

A. Use existing base mounted cabinet/controller, and all attached equipment. Install load switch for pedestrian phasing.
B. Install 10 ft. steel pedestal pole on break away base with pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).
C. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
D. Use existing conduit.
E. Use existing handhole.
F. Raise existing handhole frame and cover to proposed final grade.
G. Install 12 in. wide pavement marking - white for crosswalk.
H. Install 24 in. wide pavement marking - white for stop line.
J. Remove existing pavement markings by grinding.

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 ' A' is a revision to the traffic signal built in November, 2001 under S.H.A. Contract No.: BW996M82.
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.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
STORM DRAIN
AERIAL CABLES
TELEPHONE CABLES

"Rev-A"

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

REVISIONS

A — September 30, 2003 — Add pedestrian phase
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 228 at Middletown Rd./Ironwood Dr.

DRAWN BY:	F. Hoeckel	F.A.P. NO.	N/A	TS NO.	SHEET NO.
CHECKED BY:		S.H.A. NO.	BW996M82	3786-A	
SCALE:	1" = 20'	COUNTY:	Charles	T.I.M.S. NO.	1 OF 2
DATE:	November 27, 2001	LOG MILE:	08228007.57	F969	

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