U.S. 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNS

17 — Grove Hill Rd. → — D-3(1) (VARIABLE x 16")

18 — ← Grove Hill Rd. — D-3(1) (VARIABLE x 16")

19 — YIELD TO OPPOSING TRAFFIC WHEN TURNING LEFT — R10-12(2) (30" X 36")

20.23 — ONLY — R3-5L (30" X 36")

21.24 — R3-6R (30" X 36")

22.25 — PUSH BUTTON TO CROSS WEST PATRICK ST. / START CROSSING WHEN FOUR TURNING CARS / DONT START FINISH CROSSING IF STARTED / PEDESTRIANS AHEAD MUST BE IN CROSSWALK — R10-4(1) (9" X 12")

EXISTING SIGNALS

1.2.5.6 — R Y G — 12"

3.4.7.8 — R Y G — 12"

9-12 — R Y G — 8"

13.14

PROPOSED SIGNALS

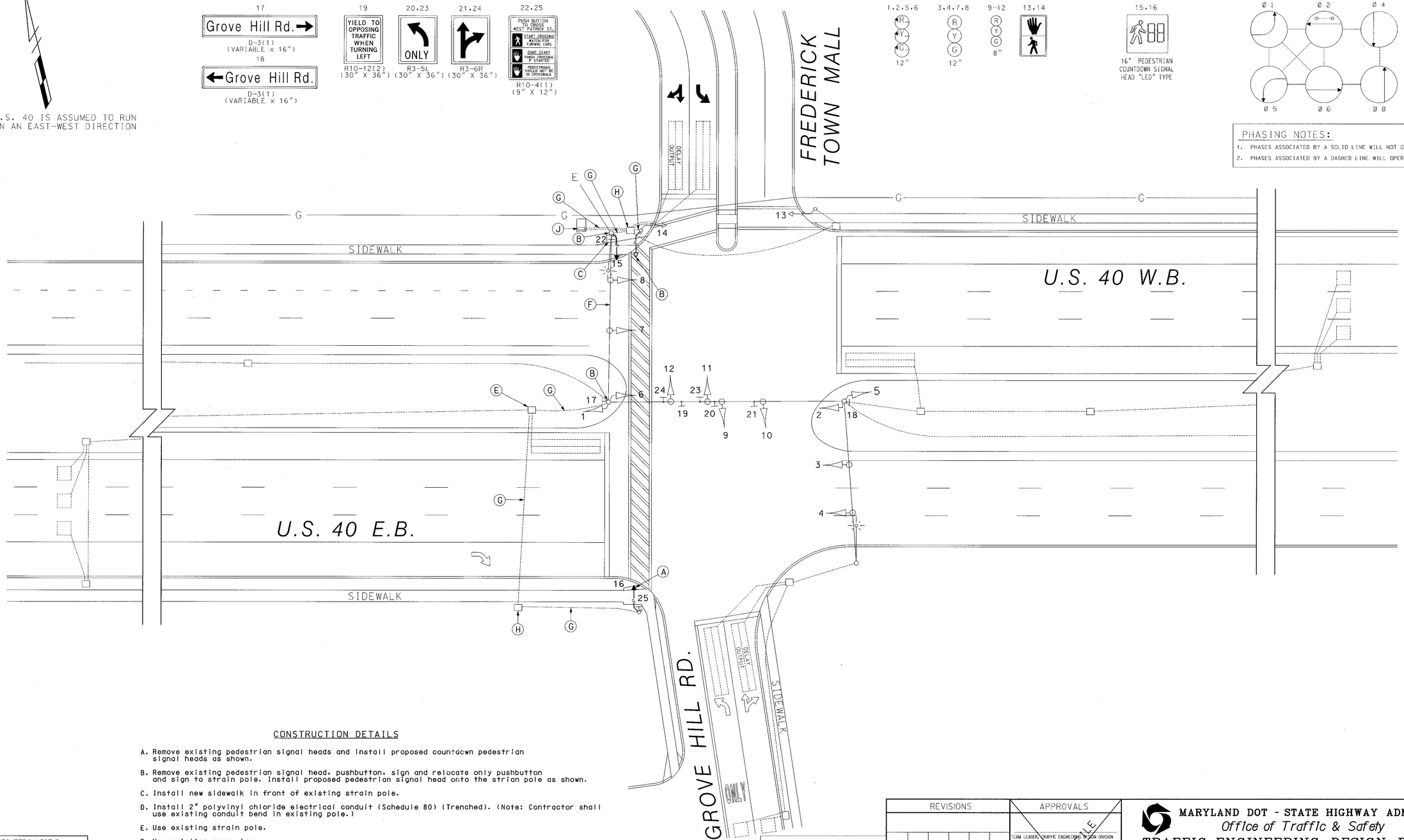
15.16 — 16" PEDESTRIAN COUNTDOWN SIGNAL HEAD "LED" TYPE

NEMA PHASING

Ø 1, Ø 2, Ø 4, Ø 4 ALT, Ø 5, Ø 6, Ø 8, FLASHING OPERATION

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. Remove existing pedestrian signal heads and install proposed countdown pedestrian signal heads as shown.

B. Remove existing pedestrian signal head, pushbutton, sign and relocate only pushbutton and sign to strain pole. Install proposed pedestrian signal head onto the strian pole as shown.

C. Install new sidewalk in front of existing strain pole.

D. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (Trenched). (Note: Contractor shall use existing conduit bend in existing pole.)

E. Use existing strain pole.

F. Use existing span wire.

G. Use existing conduit.

H. Use existing handhole.

J. Use existing controller and cabinet.

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 —

STREET TRAFFIC STUDIES, LTD.
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4736d.dgn D6-16

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
A INSTALL COUNTDOWN PED SIGNALS SHA #AT3585185 11-12-04	DIRECTOR, TRAFFIC & SAFETY
JWA CTS OWB NDS TBL TRM	ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
U.S. 40 AND GROVE HILL ROAD

SHA #: FR4416A68/B68 TOS #: AT868-45

DRAWN BY: S. BLOSS	F.A.P. NO.	TS NO. TS-3937	SHEET NO. 4 OF 5
CHECKED BY: N. LEARY	S.H.A. NO. FR3315171		
SCALE: NONE	COUNTY: FREDERICK	T.I.M.S. NO.	
DATE:	LOG MILE: 1000401.92		

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