SIGNALS FROM PREVIOUS PHASE TO REMAIN

12" 12" 12" 12"

R Y G — 11.12. 14.15

R Y G — 1.2.3. 6.7.8

R Y G — 4.5.9.10. 13.16

17.18.19.20. 21.22.23.24

SIGNS FROM PREVIOUS PHASE TO REMAIN

R 10-4(1) 9"x12" — TO BE INSTALLED WITH PUSH BUTTON — 25.28.27. 29.30.32

R 3-5L 30"X36" — ONLY — 33.34.37. 41.42.45

R 3-6 30"X36" — 38.46

50 WEST MARYLAND 28 — 24"X51" ASSOCIATED SHIELD ASSEMBLY

52 EAST MARYLAND 28 — 36"X75" ASSOCIATED SHIELD ASSEMBLY

54 NORTH MARYLAND 124 — 48"X75" ASSOCIATED SHIELD ASSEMBLY

49 EAST MARYLAND 28 — 24"X51" ASSOCIATED SHIELD ASSEMBLY

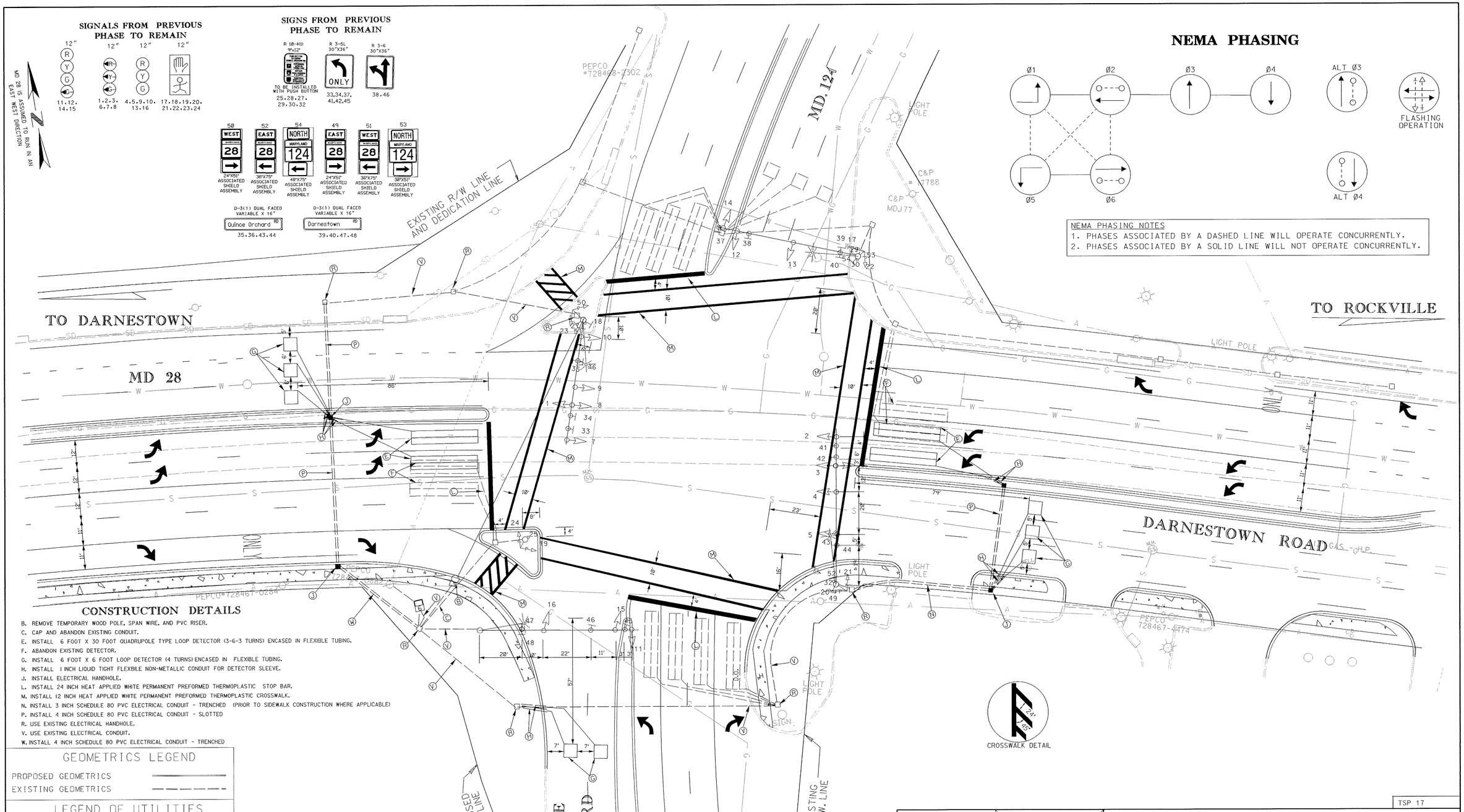
51 WEST MARYLAND 28 — 36"X75" ASSOCIATED SHIELD ASSEMBLY

53 NORTH MARYLAND 124 — 38"X51" ASSOCIATED SHIELD ASSEMBLY

D-3(1) DUAL FACED VARIABLE X 16" — Quince Orchard RD — 35.36.43.44

D-3(1) DUAL FACED VARIABLE X 16" — Darnestown RD — 39.40.47.48

MD 28 IS ASSUMED TO RUN IN AN EAST WEST DIRECTION



NEMA PHASING

Ø1 Ø2 Ø3 Ø4 ALT Ø3 FLASHING OPERATION

Ø5 Ø6 ALT Ø4

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

CONSTRUCTION DETAILS

B. REMOVE TEMPORARY WOOD POLE, SPAN WIRE, AND PVC RISER.
C. CAP AND ABANDON EXISTING CONDUIT.
E. INSTALL 6 FOOT X 30 FOOT QUADRUPOLE TYPE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.
F. ABANDON EXISTING DETECTOR.
G. INSTALL 6 FOOT X 6 FOOT LOOP DETECTOR (4 TURNS) ENCASED IN FLEXIBLE TUBING.
H. INSTALL 1 INCH LIQUID TIGHT FLEXBILE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
J. INSTALL ELECTRICAL HANDHOLE.
L. INSTALL 24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC STOP BAR.
M. INSTALL 12 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC CROSSWALK.
N. INSTALL 3 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED (PRIOR TO SIDEWALK CONSTRUCTION WHERE APPLICABLE)
P. INSTALL 4 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT - SLOTTED
R. USE EXISTING ELECTRICAL HANDHOLE.
V. USE EXISTING ELECTRICAL CONDUIT.
W. INSTALL 4 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED

GEOMETRICS LEGEND

PROPOSED GEOMETRICS
EXISTING GEOMETRICS

LEGEND OF UTILITIES

WATER	W
GAS	G
UNDERGROUND TELEPHONE	T
SANITARY SEWER	S
UNDERGROUND ELECTRIC	E
AERIAL	A
STORM DRAIN	SD
SEWAGE FORCE MAIN	FM
CABLE TV	TV

REVISION 'B'

KCI TECHNOLOGIES INC.
ENGINEERS AND PLANNERS
10 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
21030-1888
(410) 316-7800

REVISIONS

B 10-00 NEW MD 28 GEOMETRICS SHA. CONT. NO. M05285271
A ADDENDUM NO. 3 REPLACEMENT SHEET 12/19/2000
A 10-94 NEW MD 124 GEOMETRICS SHA. CONT. NO. M528-501-371

APPROVALS

PROJECT MANAGER, SIGNAL DESIGN DIVISION — ORIGINAL
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — ON
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — FILE
DIRECTOR, TRAFFIC & SAFETY

M:\1997\0197029\MD28\

TSP 17

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
ULTIMATE PHASE
MD 28 (DARNESTOWN RD) AND QUINCE ORCHARD RD (MD 124)

DRAWN BY:	M.J.D./N.J.R.	F.A.P. NO.		TS NO. 1648B	SHEET NO. ___ OF ___
CHECKED BY:	H.J.A.	S.H.A. NO.	M295-501-385		
SCALE:	1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO. D107	
DATE:	1-10-79	LOG MILE:	15002815.70		