EXISTING SIGNS

R10-4(1) 9"X12" — 16,17
R3-5L 30"X 36" — 14
R3-6(LR) 30"X 36" — 15
24"X51" ASSOCIATED SHIELD ASSEMBLY — 18
24"X51" ASSOCIATED SHIELD ASSEMBLY — 19

TO BE INSTALLED WITH PUSHBUTTON

MD 28 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

EXISTING SIGNALS

12" R Y G — 1,2,3,4, 5,6,7,8,9
12" — 10,11,12,13

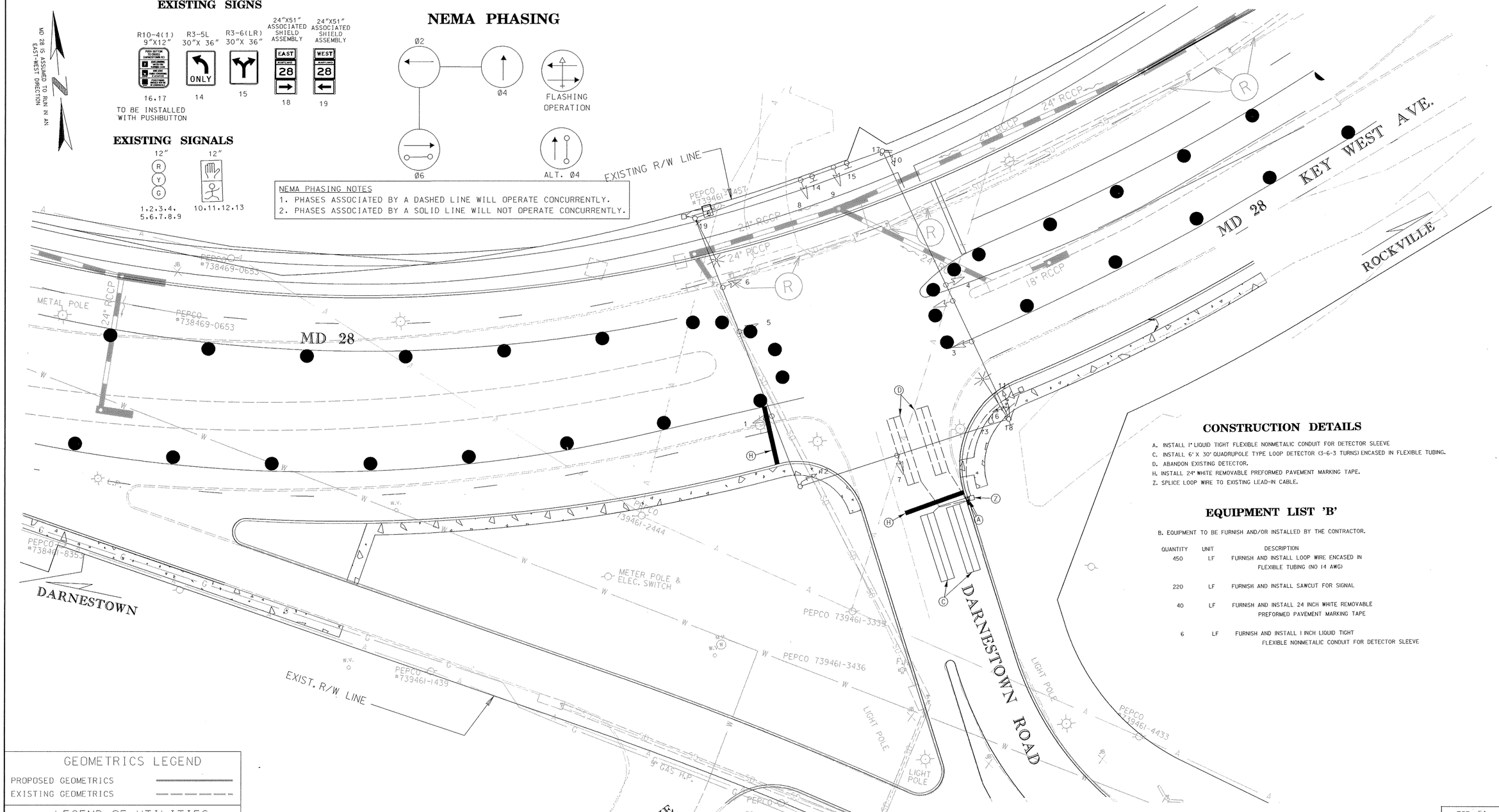
NEMA PHASING

Ø2 Ø4 Ø6 Ø8

FLASHING OPERATION

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

A. INSTALL 1" LIQUID TIGHT FLEXIBLE NONMETALIC CONDUIT FOR DETECTOR SLEEVE
C. INSTALL 6' X 30' QUADRUPOLE TYPE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.
D. ABANDON EXISTING DETECTOR.
H. INSTALL 24" WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE.
Z. SPLICE LOOP WIRE TO EXISTING LEAD-IN CABLE.

EQUIPMENT LIST 'B'

B. EQUIPMENT TO BE FURNISH AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNIT	DESCRIPTION
450	LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO 14 AWG)
220	LF	FURNISH AND INSTALL SAWCUT FOR SIGNAL
40	LF	FURNISH AND INSTALL 24 INCH WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE
6	LF	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NONMETALIC CONDUIT FOR DETECTOR SLEEVE

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

KCI TECHNOLOGIES

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

REVISIONS
(A) 10-00 NEW MD 28 GEOMETRICS SHA CONT. NO. M05285271
(3) ADDENDUM NO. 3 NEW SHEET 12/19/2000
A.H.

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

TSP 51

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
PHASE 3 CONSTRUCTION
MD 28 (KEY WEST AVE) AND DARNESTOWN RD

DRAWN BY: W.W.C./T.E.L.	F.A.P. NO.	TS NO. 2640A-PX-2	SHEET NO. ___ OF ___
CHECKED BY: JOHN C. RICE	S.H.A. NO.		
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO. D107	
DATE: 6-13-85	LOG MILE: 15002878.21		

M:\1997\0197029\MD28\