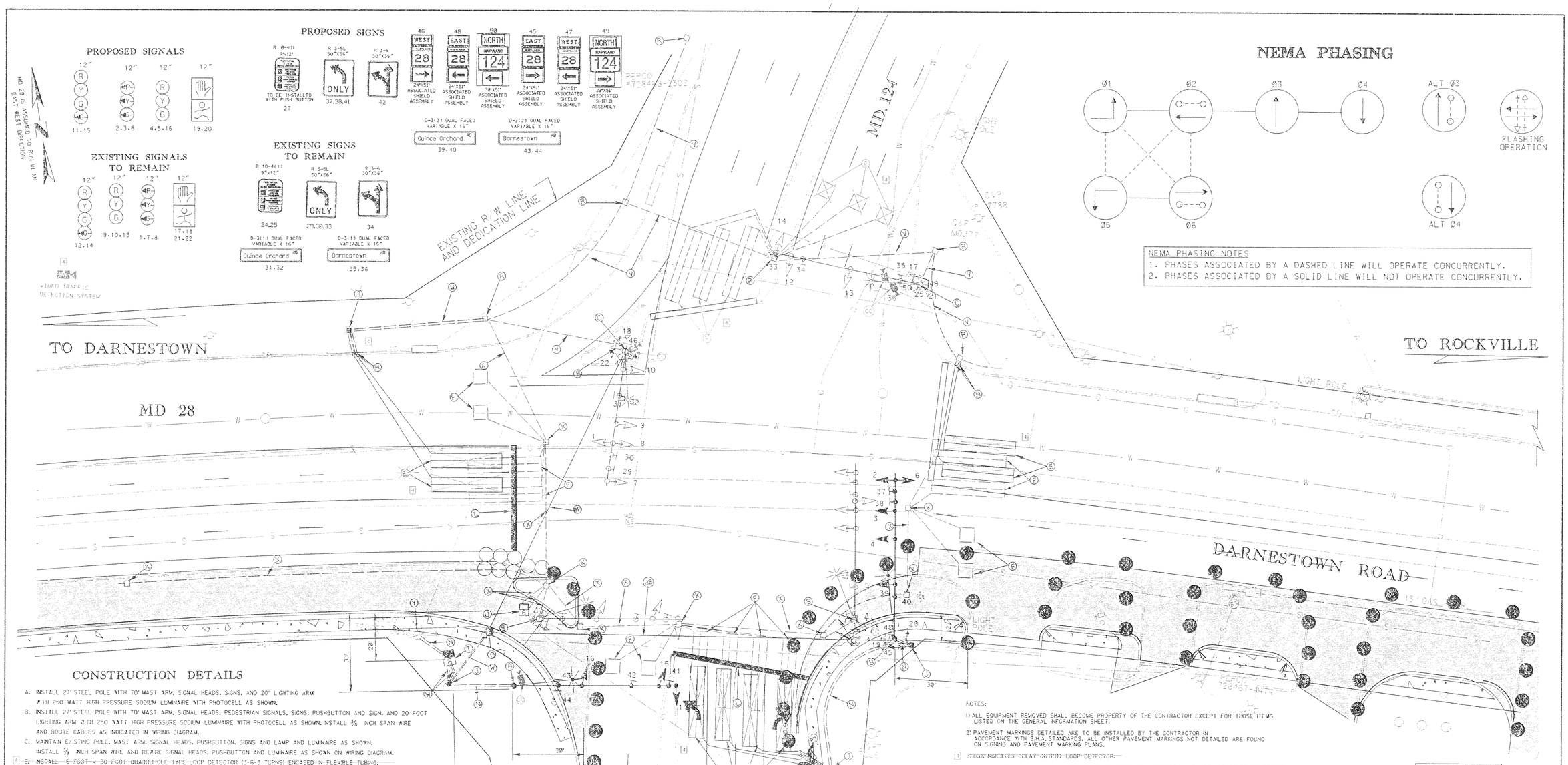

CONSTRUCTION DETAILS

A. INSTALL 27' STEEL POLE WITH 10' MAST ARM, SIGNAL HEADS, SIGNS, AND 20' LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE WITH PHOTOCELL AS SHOWN.
B. INSTALL 27' STEEL POLE WITH 10' MAST ARM, SIGNAL HEADS, PEDESTRIAN SIGNALS, SIGNS, PUSHBUTTON AND SIGN, AND 20 FOOT LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE WITH PHOTOCELL AS SHOWN. INSTALL 3/8 INCH SPAN WIRE AND ROUTE CABLES AS INDICATED IN WIRING DIAGRAM.
C. MAINTAIN EXISTING POLE, MAST ARM, SIGNAL HEADS, PUSHBUTTON, SIGNS AND LAMP AND LUMINAIRE AS SHOWN. INSTALL 3/8 INCH SPAN WIRE AND REWIRE SIGNAL HEADS, PUSHBUTTON AND LUMINAIRE AS SHOWN ON WIRING DIAGRAM.
[4] E. INSTALL 6 FOOT x 30 FOOT QUADRUPOLE TYPE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.
F. ABANDON EXISTING DETECTOR.
[4] H. INSTALL 1 INCH LIQUID TIGHT NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
J. INSTALL ELECTRICAL HANDHOLE.
K. REMOVE EXISTING ELECTRICAL HANDHOLE.
L. INSTALL 24 INCH WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE.
N. INSTALL 3 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED (PRIOR TO SIDEWALK CONSTRUCTION WHERE APPLICABLE)
O. INSTALL 40' TEMPORARY WOOD POLE. 3/8INCH SPAN WIRE AND 3 INCH ELECTRICAL PVC RISER
R. USE EXISTING ELECTRICAL HANDHOLE.
S. REMOVE EXISTING SIGNAL POLE, SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, SIGNS, LAMP AND LUMINAIRE AND FOUNDATION AS SHOWN.
T. INSTALL BASE MOUNTED SIZE 6 NEMA CABINET WITH ALL NECESSARY EQUIPMENT AS SHOWN.
U. REMOVE EXISTING CABINET, CONTROLLER AND FOUNDATION.
V. USE EXISTING ELECTRICAL CONDUIT.
W. INSTALL 4 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED (PRIOR TO SIDEWALK CONSTRUCTION WHERE APPLICABLE)
X. CAP AND ABANDON EXISTING ELECTRICAL CONDUIT.
Y. PROPOSED UNDERGROUND PEPCO POWER SERVICE FEED. INSTALL PROPOSED 3 INCH SCHEDULE 80 PVC ELECTRICAL CONDUIT (RISER) TO 10' ON PEPCO POLE # 728467-0882.
BB. INSTALL 3/8 INCH SPAN WIRE USE TO ROUTE CABLES AS INDICATED ON WIRING DIAGRAM.
CC. INSTALL VIDEO TRAFFIC DETECTION SYSTEM.
[4]

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

NOTES:

1) ALL EQUIPMENT REMOVED SHALL BECOME PROPERTY OF THE CONTRACTOR EXCEPT FOR THOSE ITEMS LISTED ON THE GENERAL INFORMATION SHEET.
2) PAVEMENT MARKINGS DETAILED ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH S.H.A. STANDARDS. ALL OTHER PAVEMENT MARKINGS NOT DETAILED ARE FOUND ON SIGNING AND PAVEMENT MARKING PLANS.
[4] 3) D.O. INDICATES DELAY OUTPUT LOOP DETECTOR.
4) ALL UNDERGROUND 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 FIELD LOCATED. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.
5) GEOMETRICS SHALL BE CONFIRMED PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT.
[4] 6) LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
7) REFER TO THE TRAFFIC CONTROL PLAN FOR TEMPORARY SIGNING AND PAVEMENT MARKINGS.
8) UNLESS OTHERWISE NOTED, ALL EXISTING SIGNAL EQUIPMENT SHALL BE MAINTAINED.
9) REFER TO ULTIMATE GENERAL INFORMATION SHEET FOR PROJECT DESCRIPTION. MAINTAIN EXISTING PHASING UNLESS OTHERWISE INDICATED ON GENERAL INFORMATION SHEET.
10) ALL DISCONNECTING AND SPLICING OF INTERCONNECT CABLE SHALL BE PREFORMED BY MONTGOMERY COUNTY DIVISION OF TRAFFIC AND PARKING SERVICES PERSONNEL.

LEGEND
TRAFFIC BARRIER
PLASTIC DRUMS
CRASH CUSHION
ROADWAY TO BE CONSTRUCTED
TEMPORARY PAVEMENT

TSP - 13

REVISION '98
KCI TECHNOLOGIES
KCI TECHNOLOGIES INC.
ENGINEERS AND PLANNERS
10 NORTH PARK DRIVE
HUNT VALLEY, MARYLAND
21030-1388
(410) 316-7800

REVISIONS	APPROVALS
(B) 10-00 NEW ⊘ 28 GEOMETRICS SHA CONT. NO. WS295271	PROJECT MANAGER, SIGNAL DESIGN DIVISION: ORIGINAL
△ ADDENDUM NO. 3 REPLACEMENT SHEET 12/19/2000	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION: ON
[4] REDLINE NO. 4 REPLACEMENT SHEET 9/07/2001	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION: FILE
G.X.	
(A) 10-94 NEW ⊘ 124 GEOMETRICS SHA CONT. NO. WS23-501-371	DIRECTOR, TRAFFIC & SAFETY
M.C. R.O. H.C. T.J. T.H.	

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
PHASE 1 CONSTRUCTION
MD 28 (DARNESTOWN RD) AND QUINCE ORCHARD RD (MD 124)

DRAWN BY:	M.J.D./N.J.R.	F.A.P. NO.	M295-501-385	TS NO.	16488-PX-1
CHECKED BY:	H.J.A.	S.H.A. NO.			
SCALE:	1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO.	D107
DATE:	1-10-79	LOG MILE:	15002815.70		

SHEET NO. 312 OF 434

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