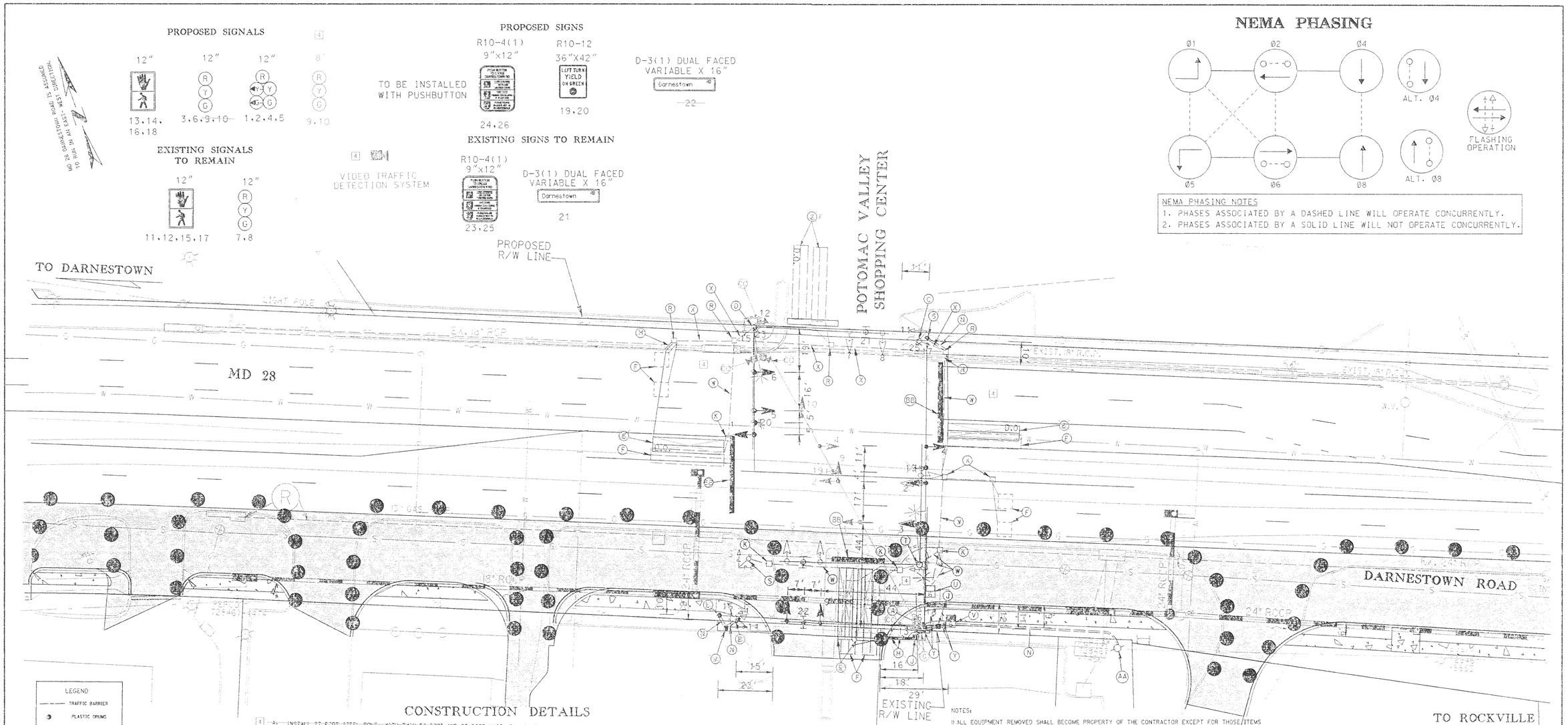

LEGEND

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

CONSTRUCTION DETAILS

A. INSTALL 27 FOOT STEEL POLE, WITH TWO 50 FOOT AND 60 FOOT MAST ARM. INSTALL SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, SIGNS, PUSHBUTTON AND SIGN.

B. INSTALL 10 FOOT PEDESTAL POLE, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGN AS SHOWN.

C. MAINTAIN EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEADS, AND PUSHBUTTON AND SIGN AS SHOWN. REWIRE PEDESTRIAN SIGNAL HEADS AND PUSHBUTTON AS DETAILED IN WIRING DIAGRAM.

D. REMOVE AND REPLACE EXISTING MAST ARM ACROSS MD 28 WITH 60 FOOT MAST ARM. CONTRACTOR TO WORK AT NIGHT. INSTALL PROPOSED SIGNAL HEADS AND SIGNS. MAINTAIN EXISTING SIGNAL POLE AND MAST ARM ACROSS POTOMAC VALLEY SHOPPING CENTER DRIVEWAY. PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND LAMP AND LUMINAIRE. REWIRE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND LUMINAIRE AS DETAILED IN WIRING DIAGRAM.

E. INSTALL PROPOSED 6 FOOT X 30 FOOT QUADRUPOLE TYPE LOOP DETECTOR (3-4-5 TURNS) ENCASED IN FLEXIBLE TUBING.

F. ABANDON EXISTING DETECTOR.

G. INSTALL 40 FOOT TEMPORARY WOOD POLE WITH 3-INCH ELECTRICAL CONDUIT PVC RISER. INSTALL 3/8 INCH SPAN WIRE, SIGNAL HEADS, AND SIGN AS SHOWN.

H. INSTALL 1 INCH (ONE) PRIMARY NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.

J. INSTALL ELECTRICAL HANDHOLE.

K. REMOVE EXISTING ELECTRICAL HANDHOLE.

L. INSTALL 40 FOOT TEMPORARY WOOD POLE WITH 3-INCH ELECTRICAL CONDUIT PVC RISER AND 3/8 INCH SPAN WIRE AS SHOWN.

N. INSTALL 3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED (PRIOR TO SIDEWALK CONSTRUCTION WHERE APPLICABLE).

R. USE EXISTING ELECTRICAL HANDHOLE.

S. REMOVE EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEADS AND FOUNDATION.

T. REMOVE EXISTING SIGNAL POLE, MAST ARM, SIGNAL HEADS AND FOUNDATION.

U. REMOVE EXISTING CONTROLLER, CABINET AND FOUNDATION.

V. INSTALL BASE-MOUNTED NEMA SIZE 6 CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. FACE CABINET DOORS TOWARDS PROPOSED SIDEWALK AND EXCLUDE STANDING PAD PORTION OF FOUNDATION.

W. CAP AND ABANDON EXISTING ELECTRICAL CONDUIT.

X. USE EXISTING ELECTRICAL CONDUIT.

Y. INSTALL 4 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED (PRIOR TO SIDEWALK CONSTRUCTION WHERE APPLICABLE)

Z. MAINTAIN EXISTING DETECTOR. SPLICE EXISTING LOOP WIRE TO NEW LEAD IN CABLE AT NEAREST HANDHOLE.

AA. PROPOSED UNDERGROUND POWER SERVICE FEED. INSTALL 3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT (RISER) TO 10 FOOT ON PEPCO POLE #723457-7458.

BB. INSTALL 24 INCH WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE.

CC. INSTALL VIDEO TRAFFIC DETECTION SYSTEM.

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 AND 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.

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.

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 UNLESS OTHERWISE INDICATED ON GENERAL INFORMATION SHEET.

10) ALL DISCONNECTING AND SPLICING OF INTERCONNECT CABLE SHALL BE PREFORMED MONTGOMERY COUNTY DIVISION OF TRAFFIC AND PARKING SERVICES PERSONNEL.

TSP 13

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

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

KCI TECHNOLOGIES

REVISIONS	APPROVALS
3 10-00 NEW MD 28 GEOMETRICS SHA CONT. NO. M05285271	PROJECT MANAGER, SIGNAL DESIGN DIVISION: ORIGINAL
2 ADDENDUM NO. 3 REPLACEMENT SHEET 12/19/2000	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION: ON
1 REDLINE NO. 4 REPLACEMENT SHEET 9/07/2001	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION: FILE
M.P.	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL PLAN
PHASE I CONSTRUCTION
MD 28 (DARNESTOWN RD) AND POTOMAC VALLEY SHOPPING CENTER

DRAWN BY:	S.C.K.	F.A.P. NO.		TS NO.	SHEET NO.
CHECKED BY:	STEVE RENZI	S.H.A. NO.	M528-501-371	3474A-PX-1	
SCALE:	1" = 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO.	318 OF 434
DATE:	OCTOBER 1994	LOG MILE:	15002815.79	D107	

M:\1997\0197029\MD28\

11/22/01 6:29:47 PM G:\PLOTTING\PST\OCE\MTLAB_HP.pl Mcsendy Pierre Division:Transportation m:\1997\0197029\md28\MACGRUDR\SPOINC-1.PRF