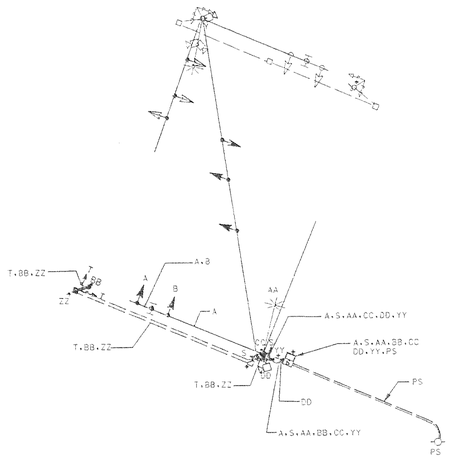
PHASE 2 WIRING DIAGRAM



WIRING KEY

A.B.T.S - 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
BB.CC - 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
YY.ZZ - STRANDED BARE COPPER GROUNDWIRE (NO. 6 AWG)
DD - VIDEO TRAFFIC DETECTION CABLE (NO. 18 A.W.G.)
AA - 2-CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG)

TEMPORARY WIRING NOTES:

1) NEW AND RELOCATED SIGNAL HEADS SHALL BE WIRED WITH SUFFICIENT CABLE TO PROVIDE REALIGNMENT IN SUBSEQUENT CONSTRUCTION PHASES.

2. EXISTING WIRING FOR EQUIPMENT WHICH IS TO BE REMOVED OR ABANDONED SHALL BE REMOVED AND DISPOSED.

3. EXISTING WIRING NOT DETAILED SHALL BE MAINTAINED UNLESS OTHERWISE NOTED.

EQUIPMENT LIST 'A'

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

QUANTITY	UNIT	SECTION	DESCRIPTION
2	EA	SP	PUSHBUTTON AND SIGN
11	SF	813	FLAT SHEET ALUMINUM SIGNS CONSISTING OF: - 1 EACH D-3(1) (VAR"X16")-MAST ARM MOUNT

EQUIPMENT LIST 'B'

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

QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
60	LF	556	24 INCH WHITE REMOVABLE PREFORMED PAVEMENT MARKINGS
3	EA	814	RELOCATE EXISTING SIGNAL HEAD
1	EA	SP	RELOCATE EXISTING OVERHEAD SIGN
10	LF	805	FURNISH AND INSTALL 3-INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
1	LS	SP	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
1	EA	811	FURNISH AND INSTALL ELECTRICAL HANDHOLE
10	LF	805	FURNISH AND INSTALL 4" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
1	EA	804	FURNISH AND INSTALL GROUND ROD-3/4 INCH DIAMETER X 10 FOOT LENGTH
95	LF	810	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE GROUND COPPER WIRE
80	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE- 2 CONDUCTOR (NO. 14 AWG)
140	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE- 5 CONDUCTOR (NO. 14 AWG)
6	EA	814	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
80	LF	SP	FURNISH AND INSTALL VIDEO TRAFFIC DETECTION CABLE
85	LF	805	FURNISH AND INSTALL 4" SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
4	EA	814	FURNISH AND INSTALL 12 INCH PEDESTRIAN SIGNAL HEAD SECTION - POLE MOUNT
4	EA	814	FURNISH AND INSTALL 12 INCH PEDESTRIAN SIGNAL HEAD SECTION - PEDESTAL POLE MOUNT
2	EA	SP	INSTALL PUSHBUTTON AND SIGN
2	EA	813	INSTALL OVERHEAD SIGN
1	EA	SP	FURNISH AND INSTALL 10 FOOT BREAKAWAY PEDESTAL POLE
10	LF	805	FURNISH AND INSTALL 3-INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
1	EA	819	FURNISH AND INSTALL 20 FOOT LIGHTING ARM ON SIGNAL STRUCTURE
1	EA	806	FURNISH AND INSTALL 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE WITH PHOTOCELL

TSP 22

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

KCI TECHNOLOGIES

REVISIONS
A 10-00 NEW MD 28 GEOMETRICS SHA CONT. NO. M05285271
1 ADDENDUM NO. 3 NEW SHEET 12/19/2000
4 REDLINE NO. 4 NEW SHEET 9/6/2001
M.P.

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

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
PHASE 2 CONSTRUCTION
MD 28 (DARNESTOWN RD) AND POTOMAC VALLEY SHOPPING CENTER

DRAWN BY: S.C.K.	F.A.P. NO.		TS NO. 3474A-GIX-2	SHEET NO. 321A OF 434
CHECKED BY: STEVE RENZI	S.H.A. NO.	M528-501-371		
SCALE: NONE	COUNTY:	MONTGOMERY	T.I.M.S. NO. 0107	
DATE: OCTOBER 1994	LOG MILE:	15002815.79		

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