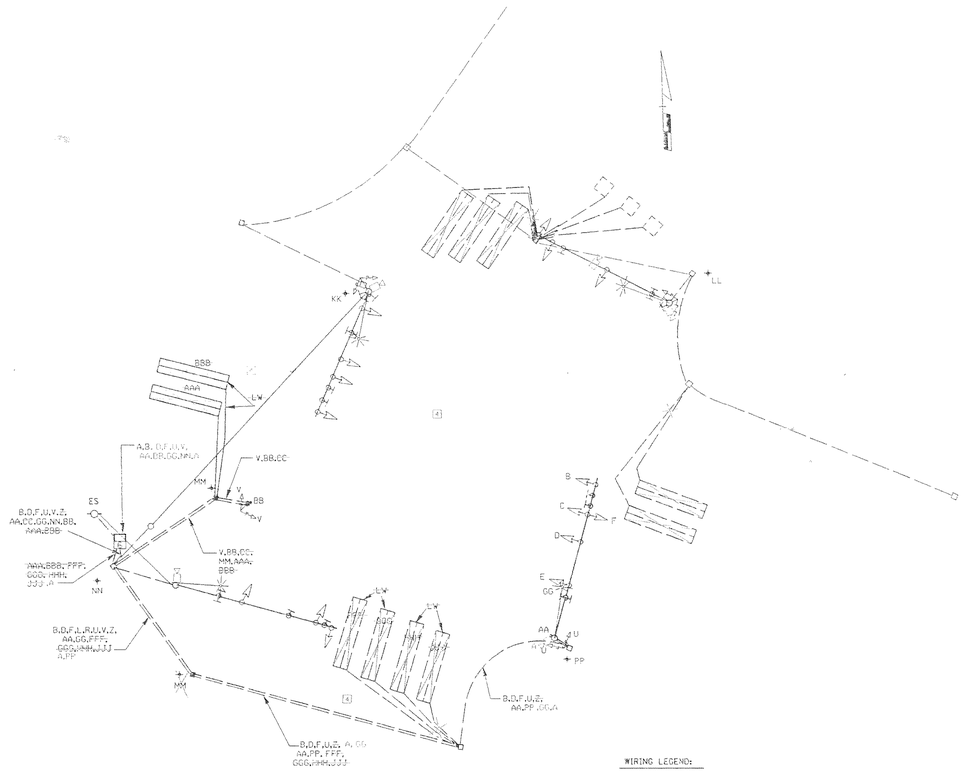
PHASE 2 WIRING DIAGRAM



WIRING LEGEND:

[4] A — VIDEO TRAFFIC DIRECTION CABLE (NO.18 A.W.G.)
B,C,D,E,F,U — 5 CONDUCTOR ELECTRICAL CABLE (NO.14 A.W.G.)
[2] AAA,BBB,FFF,GGG, HHH,JJJ — 2 CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED) (NO.14 A.W.G.)
ES — EXISTING SERVICE
GG — 2 CONDUCTOR ELECTRICAL CABLE TYPE T/C (NO.12 A.W.G.)
MM,KK,LL,NN,PP — STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
[4] LW — LOOP WIRE (NO.14 AWG)
AA,BB — 2 CONDUCTOR ELECTRICAL CABLE (NO.14 A.W.G.)
+ — 3/4" x 10' GROUND ROD

EQUIPMENT LIST 'A'

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
2	EA	SP	PEDESTRIAN PUSHBUTTON AND SIGN

EQUIPMENT LIST 'B'

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

QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
40	LF	556	24 INCH WHITE REMOVABLE PREFORMED PAVEMENT MARKING TAPE
2	EA	SP	INSTALL PUSHBUTTON AND SIGN
2	EA	811	FURNISH AND INSTALL ELECTRICAL HANDHOLE
1	CY	801	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
[4] 10	LF	805	~~FURNISH AND INSTALL 1" LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE~~
170	LF	805	FURNISH AND INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED
55	LF	805	FURNISH AND INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
1	EA	804	FURNISH AND INSTALL GROUND ROD-3/4 INCH DIAMETER X 10-FOOT LENGTH
420	LF	810	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
[4] 120	LF	810	~~FURNISH AND INSTALL ELECTRICAL CABLE-2 CONDUCTOR (ALUMINUM SHIELDED)~~
825	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE-2 CONDUCTOR (NO 14 AWG)
1980	LF	810	FURNISH AND INSTALL ELECTRICAL CABLE-5 CONDUCTOR (NO 14 AWG)
[4] 330	LF	810	~~FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO 14 AWG)~~
[4] 250	LF	815	~~FURNISH AND INSTALL SAWCUT FOR SIGNAL (LOOP DETECTOR)~~
200	LF	815	FURNISH AND INSTALL 2-CONDUCTOR (NO. 12 AWG)
4	EA	814	FURNISH AND INSTALL 12 INCH PEDESTRIAN SIGNAL HEAD-PEDESTAL TOP MOUNT
1	LS	SP	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
1	EA	SP	FURNISH AND INSTALL 10-FOOT BREAKAWAY PEDESTAL POLE
[4] 285	LF	SP	FURNISH AND INSTALL VIDEO TRAFFIC DETECTION CABLE

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.

TSP - 16

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

KCI TECHNOLOGIES

REVISIONS

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

[4] REDLINE NO. 4
REPLACEMENT SHEET
7/17/2001

D.K.			
(A) 10-34 NEW			
MD 124 GEOMETRICS			
SHA CONT. NO. M523-501-371			
M.C.	R.J.	H.C.T.	T.H.

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
MD 28 (DARNESTOWN RD) AND QUINCE ORCHARD RD (MD 124)

DRAWN BY: M.O.D./N.J.R.	F.A.P. NO.	TS NO. 1548B-G1X-2	SHEET NO. 315 OF 434
CHECKED BY: H.J.A.	S.H.A. NO. M295-501-385		
SCALE: NONE	COUNTY: MONTGOMERY	T.I.M.S. NO. D107	
DATE: 1-10-79	LOG MILE: I5002815.70		

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