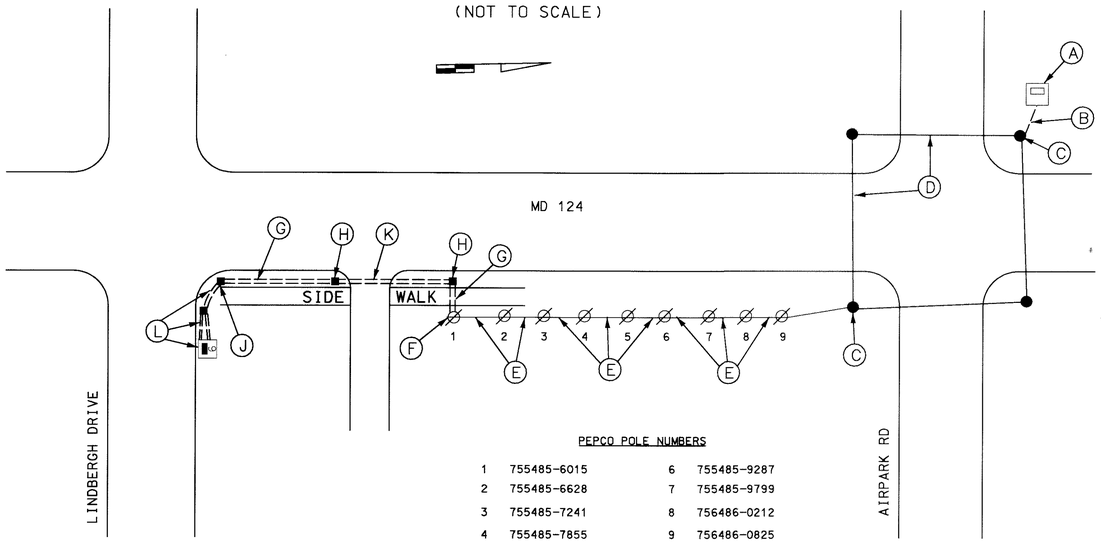
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

INTERCONNECT PLAN
(NOT TO SCALE)



PEPCO POLE NUMBERS

1	755485-6015	6	755485-9287
2	755485-6628	7	755485-9799
3	755485-7241	8	756486-0212
4	755485-7855	9	756486-0825
5	755485-8570		

PHASING SEQUENCE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 2 & 6	G	G	G	G	R	R	R	R	WK	WK	WK	WK	DW	DW
PED CLEAR	G	G	G	G	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW
PHASE 2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	G	G	G	G	DW	DW	DW	DW	DW	DW
PHASE 4 & 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
ALT. 4 & 8	R	R	R	R	G	G	G	G	DW	DW	DW	DW	WK	WK
PED CLEAR	R	R	R	R	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW
ALT. 4 & 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

GENERAL NOTES

1. FOR PEPCO POLES #75485-9287 AND # 756486-0825 CONTRACTOR SHALL ATTACH INTERCONNECT CABLE TO THE STREET SIDE OF THE POLE. FOR ALL OTHER POLES, INTERCONNECT SHOULD BE ATTACHED ON FIELD SIDE.

INTERCONNECT CONSTRUCTION DETAILS

A = INSTALL 12 PAIR INTERCONNECT CABLE INTO EXISTING CABINET

B = USE EXISTING CONDUIT

C = USE EXISTING STRAIN POLE

D = INSTALL 12 PAIR INTERCONNECT CABLE ON EXISTING SPAN WIRE AND RERING

E = INSTALL 12 PAIR SELF-SUPPORTING INTERCONNECT CABLE (OVERHEAD). SEE NOTE #1.

F = INSTALL 2" PVC SCHEDULE 80 ELECTRICAL CONDUIT RISER

G = INSTALL 2" PVC SCHEDULE 40 ELECTRICAL CONDUIT - TRENCHED

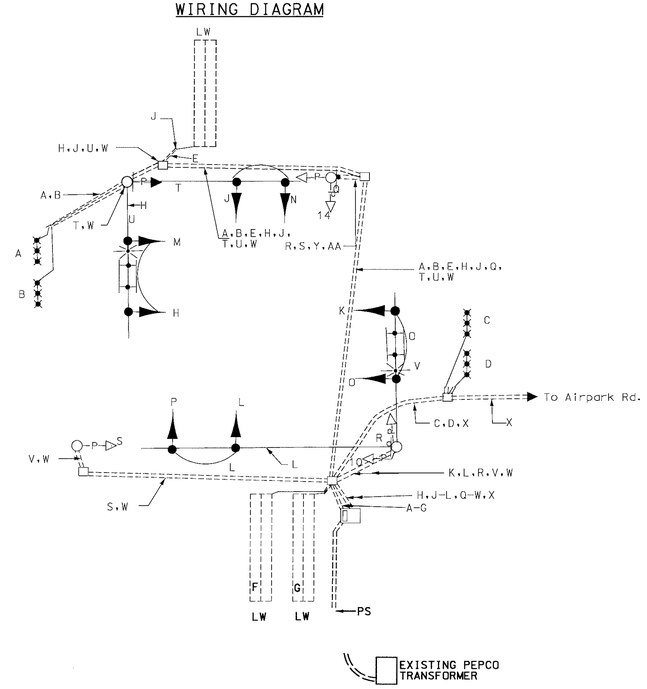
H = INSTALL HANDHOLE

J = SEE TRAFFIC SIGNAL PLAN SHEET FOR DETAILS

K = INSTALL 2" PVC SCHEDULE 80 ELECTRICAL CONDUIT - PUSHED

L = ROUTE 12 PAIR INTERCONNECT CABLE INTO PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET AS DETAILED IN WIRING DIAGRAM AND SIGNAL PLANS

WIRING DIAGRAM



WIRING KEY

A-D= MICROLOOP LEAD-IN CABLE

E-G= 2 CONDUCTOR ALUMINUM SHIELDED CABLE (NO. 14 AWG) - LOOP DETECTOR LEAD IN CABLE

H,J-L= 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) - VEHICLE SIGNAL HEAD

M-P= 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) - VEHICLE SIGNAL HEAD

Q,R= 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) - FOR PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON

S,T= 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) FOR PEDESTRIAN SIGNAL HEAD

U,V= 2 CONDUCTOR TRAY CABLE (NO. 12 AWG) - STREET LIGHT

W= 1 CONDUCTOR (NO. 6 AWG) STRANDED BARE COPPER GROUND WIRE

X= 12 PAIR COMMUNICATION CABLE

PS= PROPOSED POWER SERVICE FROM PEPCO TRANSFORMER

LW= LOOP WIRE

UTILITY LEGEND

T	T	TELEPHONE CABLES
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
BC		BURIED CABLE
SD		STORM DRAIN

GEOMETRIC LEGEND

EXISTING GEOMETRICS

PROPOSED GEOMETRICS

DCI
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

REVISIONS	APPROVALS
	ASST. DIV. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
AS-BUILT FOR TRAFFIC SIGNAL 7/97	DIRECTOR, OFFICE OF TRAFFIC & SAFTEY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

ORIGINAL DRAWN BY R CICCHINI (DCI)
DES. BY S CHERNACK/D PETERS (DCI)
CHK. BY

MD 124 (WOODFIELD RD) AT LINDBERGH DRIVE (SOUTH)

LOGMILE #: 15012408.34 COUNTY: MONTGOMERY

DATE: 9/96 F.A.P. NO. CM-STP-000S(502)
SCALE: NTS S.H.A. NO. AW-113-502-085

TS/FILE NO. 3614

SHEET NO. 2 OF 4

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