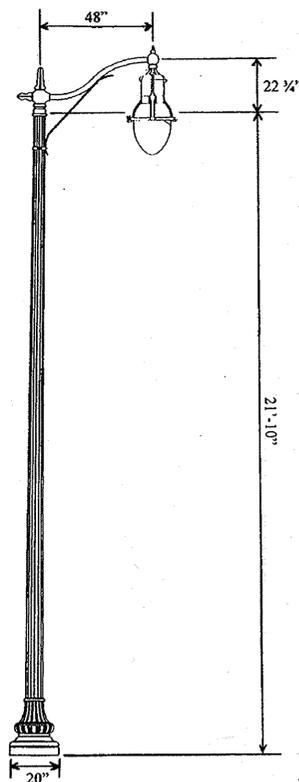


GENERAL NOTES

1. ALL REQUIREMENTS OF THE LATEST EDITION OF THE MARYLAND DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATION APPLY.
2. COORDINATE ALL WORK WITH PEPCO AND OTHER ROADWAY WORK.
3. RETURN ALL LIGHT POLE ASSEMBLIES TO STATE HIGHWAY ADMINISTRATION DELIVER TO MAINTENANCE FACILITY AS DIRECTED BY THE ENGINEER.
4. FURNISH AND INSTALL CONCRETE FOUNDATIONS FOR DECORATIVE LIGHT POLES. COORDINATE WITH PEPCO TO HAVE CONDUCTORS PULLED UP THROUGH FOUNDATION BY PEPCO. FURNISH & INSTALL CONNECTOR KITS AND MAKE FINAL CONNECTIONS FOR DECORATIVE LIGHT POLES.
5. PERFORM TESTING ON DECORATIVE LIGHT POLES PER SPECIFICATION 820.03.02. (C) AND (D).
6. PROVIDE DECORATIVE LIGHT POLE FOUNDATION PER SHA STANDARD DETAIL NO.801.02. ADJUST BOLT CIRCLE AS RECOMMENDED BY THE MANUFACTURER.
7. CONTRACTOR SHALL PROVIDE MAXIMUM EFFORT TO INSTALL NEW LIGHTING PRIOR TO REMOVING EXISTING LIGHTING. COORDINATE WITH PEPCO AS REQUIRED.



DECORATIVE LIGHT POLE ASSEMBLY DETAIL
NOT TO SCALE

DETAIL NOTES

1. PROVIDE CAST IRON AND STEEL POLE, ARM AND TEARDROP LUMINAIRE BY HOLOPHANE / UNIQUE SOLUTIONS. THERE WILL BE NO SUBSTITUTIONS.
2. PROVIDE MEMPHIS STYLE TEARDROP LUMINAIRE WITH 250 WATT HPS LAMP, #MP-250HP-XX-B4. COORDINATE VOLTAGE WITH PEPCO AND THE ENGINEER.
3. PROVIDE COLUMBIA CAST IRON AND STEEL POLE #CES22/20-CIS/BK.
4. PROVIDE BOSTON HARBOUR CAST ALUMINUM CROSS ARM # BHC 48/- CA/BK.
5. PROVIDE BOSTON HARBOR LEVELING FITTER WITH PHOTO CONTROL RECEPTACLE, #BHLF200-CA/BK-R.
6. PROVIDE PHOTOELECTRIC CELL.
7. ALL FINISHES ARE MATTE BLACK.

QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	APPROX. QUANTITY
800000	REMOVE AND RELOCATE ROADWAY LIGHTING STRUCTURES	EA.	4
800000	REMOVE EXISTING LIGHT POLE AND FOUNDATION	EA.	1
800000	F&I STEEL / CAST IRON POLE, ARM AND TEAR DROP LUMINAIRE	EA.	4
801003	F&I CONCRETE FOR LIGHT FOUNDATION	CY.	7.5
834001	F&I CONNECTOR KIT - TYPE I	EA.	2
834002	F&I CONNECTOR KIT - TYPE II	EA.	2
834003	F&I CONNECTOR KIT - TYPE III	EA.	2
834004	F&I CONNECTOR KIT - TYPE IV	EA.	2
837001	F&I GROUND ROD - 3/4" DIA X 10'-0" LONG	EA.	4

NOTES:
1. WORK PERFORMED BY PEPCO IS NOT QUANTIFIED IN THIS TABULATION.
2. VERIFY EXACT QUANTITY AND TYPE OF CONNECTOR KITS NEEDED, BASED ON PEPCO WIRING SCHEME. ADJUST QUANTITIES AS REQUIRED.

LEGEND

150 WATT, HPS, FULL CUT-OFF LUMINAIRE AND BRACKET ARM, FURNISHED AND INSTALLED BY PEPCO ON PEPCO POLE. BRACKET ARM LENGTH IS AS INDICATED.

EXISTING COBRAHEAD LUMINAIRE AND BRACKET ARM ON PEPCO POLE TO BE REMOVED BY PEPCO.

EXISTING COBRAHEAD LUMINAIRE AND POLE TO BE REMOVED. EXISTING UNDERGROUND CONDUCTORS TO POLE TO BE REMOVED BY PEPCO. LUMINAIRE, POLE AND CONCRETE FOUNDATION TO BE REMOVED BY THE CONTRACTOR. REMOVE FOUNDATION (INCLUDING CONDUITS, ANCHOR BOLTS AND REBAR) TO 12" BELOW AND RESTORE SURFACE SAME AS SURROUNDING GRADE.

EXISTING 150 WATT, RECTANGULAR LUMINAIRE (25 FT. MOUNTING HEIGHT) AND SQUARE POLE TO BE REMOVED AND RELOCATED. PROVIDE CONCRETE FOUNDATION PER SHA STANDARD DETAIL NO. MD-801.02. REMOVE EXISTING FOUNDATION TO 12" BELOW GRADE.

DECORATIVE LIGHT POLE ASSEMBLY, SEE DETAIL THIS SHEET. PROVIDE CONCRETE FOUNDATION PER SHA STANDARD DETAIL NO. MD-801.02. PROVIDE MATTE BLACK COLOR.

DIRECT BURIED UNDERGROUND CONDUCTORS FURNISHED AND INSTALLED BY PEPCO.

GROUND ROD. PROVIDE AT EACH NEW OR RELOCATED LIGHT POLE. CONNECT TO POLE BASE WITH #8 AWG BARE COPPER GROUND WIRE. GROUND WIRE IS INCIDENTAL TO GROUND ROD PAY ITEM.

UTILITY POLE, EXISTING

CONNECTOR KITS QUANTITY

STATION NUMBER, OFFSET
CIRCUIT NUMBER
MOUNTING HEIGHT x ARM LENGTH
POLE NUMBER 'E' INDICATES EXISTING RELOCATED POLE

NOMINAL MOUNTING HEIGHT FT	BRACKET ARM LENGTH FT	BOLT CIRCLE "BC" IN	ANCHOR BOLT DIMENSIONS P"x X"x Y" INxINxIN	FOUNDATION DIMENSIONS		FOUNDATION REINFORCEMENT	
				DIAMETER "D" FT	HEIGHT "H" FT	MAIN REINF. BARS SIZE	TIES SIZE & SPACING
LESS THAN 40	0-15	13.5	1x36x4	2.0	7.0	7*7	1" TIES AT 1'-0" TO C
	20-25	13.5	1x36x4	2.5	11.5	8*7	
	30	15	1 1/4x42x6	2.5	11.5	8*7	
40	4-20	13.5	1x36x4	2.5	11.5	8*7	
	25-35	15	1 1/4x42x6	3.0	15.0	10*7	
50	0-10	13.5	1x36x4	2.5	11.5	8*7	
	15-30	15	1 1/4x42x6	3.0	15.0	10*7	

ANCHOR BOLTS 4 REQUIRED

TIES - #3 BARS AT 1'-0" C. TO C. MAIN REINFORCING

*7 BARS

3" RIGID NONMETALLIC CONDUIT

3/4" TRIANGULAR GROVE FOR DRAINAGE

SECTION 'A-A'

4" PROJECTION ABOVE GROUND MAXIMUM

2 1/2"-3" PROJECTION FROM GROUND LEVEL

1" CHAMFER

2'-0" MIN

3" ELECTRICAL NONMETALLIC CONDUIT SCHEDULE 40

ANCHOR BOLT 4 REQ'D

MIX NO. 2 CONCRETE

3" CLEARANCE

PLACE 2 TRIANGULAR GROVES 3/4" ACROSS BY 3/4" DEEP. AT 90 DEGREE IN TOP OF FOUNDATION

FOR DIMENSIONS AND REINFORCING SEE TABLE ABOVE

PROJECT APPROVALS

APPROVALS ARE FOR LIGHTING SHEETS: THRU A TOTAL OF SHEETS

APPROVALS	REVISIONS
<i>Charles...</i> 11/27/2000 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
<i>Justin...</i> 12/13/00 ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
<i>...</i> 12-13-00 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	

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

MD 355/SHADY GROVE ROAD INTERSECTION IMPROVEMENTS

DRAWN BY: C.W.M.	F.A.P. NO. SEE TITLE SHEET	PLAN SHEET NO.:	SHEET NO.
CHECK BY: R.A.M.	S.H.A. NO. M08205171	LI	42 OF 55
SCALE:	COUNTY MONTGOMERY		

PREPARED BY
URS Greiner Woodward Clyde
HUNT VALLEY, MARYLAND