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	EAST TAMPA COMMUNITY REDEVELOPMENT AGENCY
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CITY OF TAMPA
BOB BUCKHORN - MAYOR



PARKS AND RECREATION DEPT.
PEG BORS, LANDSCAPE ARCHITECT III

PEDESTRIAN WALKWAY LIGHTING PROJECT

DEPT. PROJECT NO.: TFVC11

RHCA PROJECT NO.: CE-049

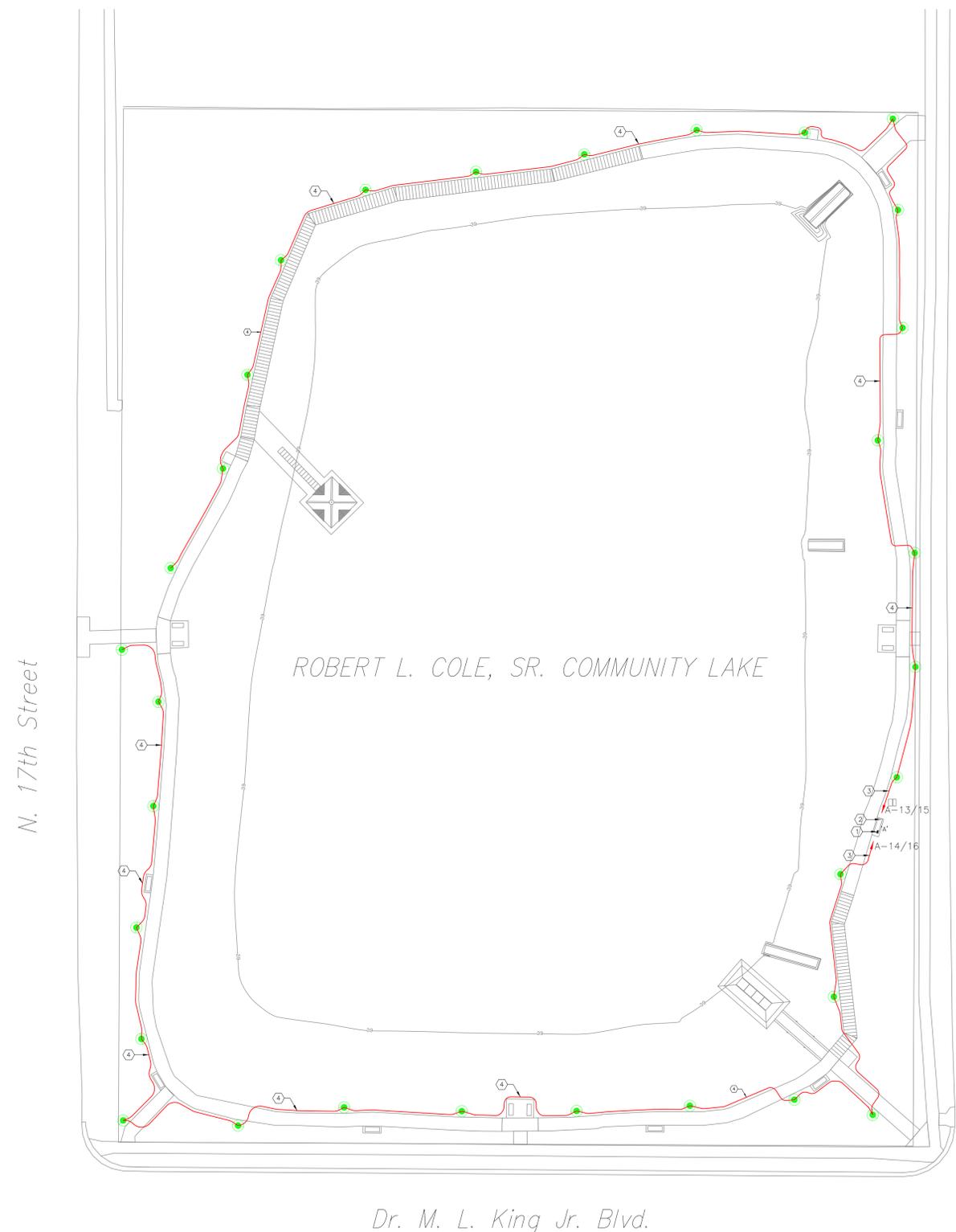
FOR:

ROBERT L. COLE, SR. COMMUNITY LAKE

1798 E. DR. MARTIN LUTHER KING, JR. BLVD.
TAMPA, FLORIDA 33610

October 31, 2013

PHASE 1 - TASK 4 - 100% FINAL DESIGN



EXISTING PANEL SCHEDULE

PANEL 'A': SIEMENS LOAD CENTER ; 120/240 VOLTS, 1Ø, 3W ; 100 AMP MAIN CIRCUIT BREAKER ; VERIFY/PROVIDE EQUIPMENT GROUND BAR ; SURFACE ENCLOSURE

EQUIPMENT SERVED	CIRCUIT BREAKER			KVA/PHASE		CIRC. NO.		CIRCUIT BREAKER			EQUIPMENT SERVED	
	POLE	AMPS	FRAME	A	B	A	B	POLE	AMPS	FRAME		
RECEPTACLES	1	20	QP	0.8		1	2	0.9	2	60	QP	SUB-PANEL "B"
LIGHTING	1	20	QP	0.4	0.4	3	4					
CABINET GFI RECEPTACLE	1	20	QP	0.2		5	6		1		QP	SPACE
IRRIGATION CABINET	1	20	QP	0.4		7	8		1		QP	SPACE
POND PUMP	1	20	QP	1.0		9	10		1		QP	SPACE
SPACE	1		QP			11	12		1		QP	SPACE
NORTH WALKWAY LIGHTING	2	20	QP	0.5	0.5	13	14	0.4	2	20	QP	SOUTH WALKWAY LIGHTING
				0.5		15	16		0.4			
SUB-TOTAL KVA				2.5	1.3			1.3	1.3			

TOTAL CONNECTED LOAD = 6.4 KVA (27 AMPS/PHASE BALANCED)

- #### ELECTRICAL PLAN NOTES:
- ① EXISTING PANEL "A" LOCATION INSIDE ELECTRICAL EQUIPMENT CABINET. VERIFY EXISTING SPARE CONDUIT STUB-OUTS FROM CONCRETE BASE FOR TWO NEW CIRCUITS FOR WALKWAY LIGHTING. PROVIDE NEW 4 POLE, 20 AMP LIGHTING CONTACTOR INSIDE CABINET FOR THE NEW WALKWAY LIGHTING HOME RUNS. CONNECT CONTROL CIRCUIT TO MOTOROLA IRRINET MIR SYSTEM FOR REMOTE CONTROL. PROVIDE HAND-OFF-AUTO SWITCH AND PILOT LIGHT IN CONTACTOR COVER.
 - ② EXISTING MOTOROLA IRRINET MIR SYSTEM EQUIPMENT LOCATION IN CABINET NEAR ELECTRICAL EQUIPMENT CABINET. COORDINATE INTERCONNECTION OF MIR SYSTEM TO THE WALKWAY LIGHTING CONTACTOR WITH THE CITY OF TAMPA. VERIFY MIR SPARE CABLE CONDUCTORS FOR EXISTING PUMP AND GAZEBO LIGHTING FOR USE FOR CONTROL OF WALKWAY LIGHTING CONTACTOR.
 - ③ HOME RUN WIRING SHALL BE 2 #10 + #10 GROUND IN 3/4" CONDUIT, MINIMUM 24" BELOW FINISHED GRADE, TO CIRCUIT INDICATED THROUGH THE LIGHTING CONTACTOR.
 - ④ WIRING RUN BETWEEN POLE HANDHOLES SHALL BE 2 #10 + #10 GROUND IN 3/4" CONDUIT, MINIMUM 24" BELOW FINISHED GRADE. WIRING SHALL BE RUN WITHOUT THE USE OF JUNCTION BOXES BETWEEN POLES. ROUTE CONDUIT AROUND, RATHER THAN UNDER, CONCRETE PADS FOR BENCHES AND OTHER EQUIPMENT. ROUTE CONDUIT PARALLEL AND CLOSE TO ADJACENT WALKWAY TO MINIMIZE THE DISTURBANCE OF ANY PLANT MATERIAL AND/OR IRRIGATION LINES. CONDUIT CROSSING WALKWAYS SHALL BE BORED UNDER WITHOUT THE USE OF EXCESSIVE WATER TO MINIMIZE THE DISTURBANCE OF BASE MATERIAL. PROVIDE #6 COPPER GROUND CONDUCTOR FROM GROUND LUG INSIDE HANDHOLE TO EXOTHERMICALLY-WELDED CONNECTION TO 8" X 5/8" LONG COPPER-CLAD DRIVEN GROUND ROD. THIS SHALL BE TYPICAL FOR ALL WALKWAY LIGHTING WIRING.

WALKWAY LIGHTING ELECTRICAL SITE PLAN

1" = 30'-0"

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RHCA CONSULTING ENGINEERS

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PEDESTRIAN WALKWAY LIGHTING PROJECT

FOR:

ROBERT L. COLE, Sr. COMMUNITY LAKE

1798 E. DR. MARTIN LUTHER KING, Jr., BLVD.

TAMPA, FLORIDA 33610

ELECTRICAL ENGINEER: Ronald Lee, P.E.
Reg. No. 2276

Project No. 10-31-13

Scale AS NOTED

PHASE I - TASK 4 100% SUBMITTAL

Revision

Drawing Title

WALKWAY LIGHTING LUMINAIRE SITE PLAN

Date: 10-31-13

Sheet No.: 2 OF 2

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