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Please Email ALL Questions:

MailTo:ContractAdministration@TampaGov.net

Please Let Us Know If You Plan To Bid

City of Tampa
Contract Administration Department
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Tampa, FL 33602
(813)274-8456

RHCA
ROBINSON, HORNER, CILIBERTO
RHC AND ASSOCIATES, INC.
P.O. BOX 4505
TAMPA, FLA. 33677
TEL. (813) 254-0907
FAX. (813) 254-0744

EAST TAMPA COMMUNITY REDEVELOPMENT AGENCY

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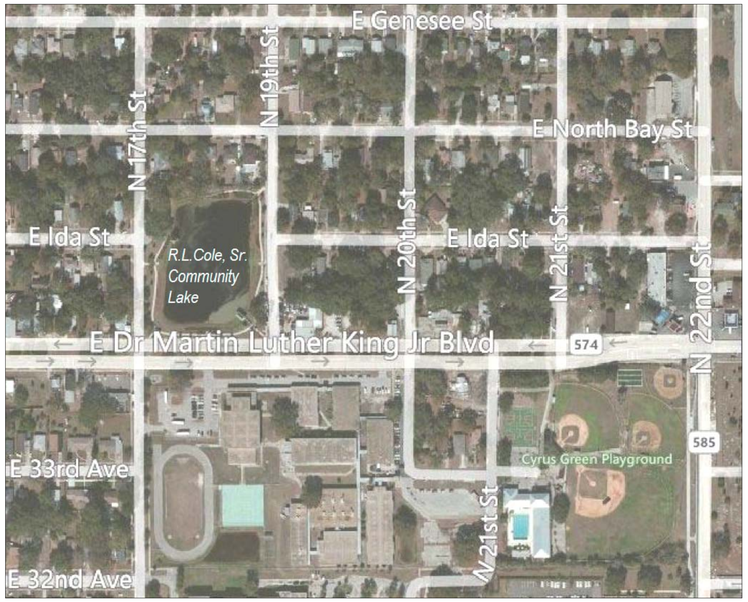

CITY OF TAMPA
BOB BUCKHORN - MAYOR

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

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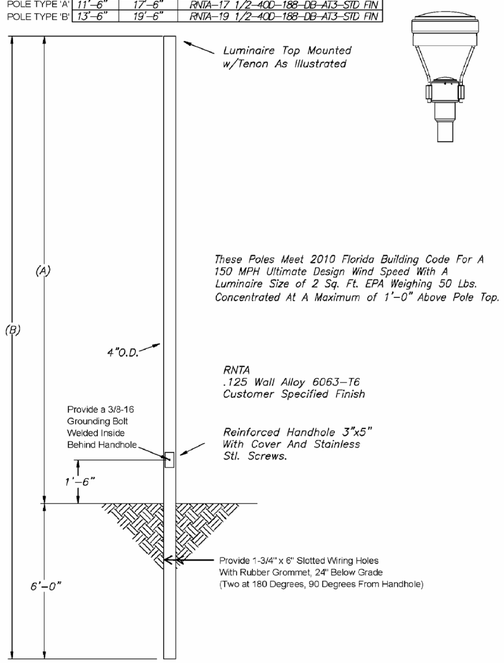
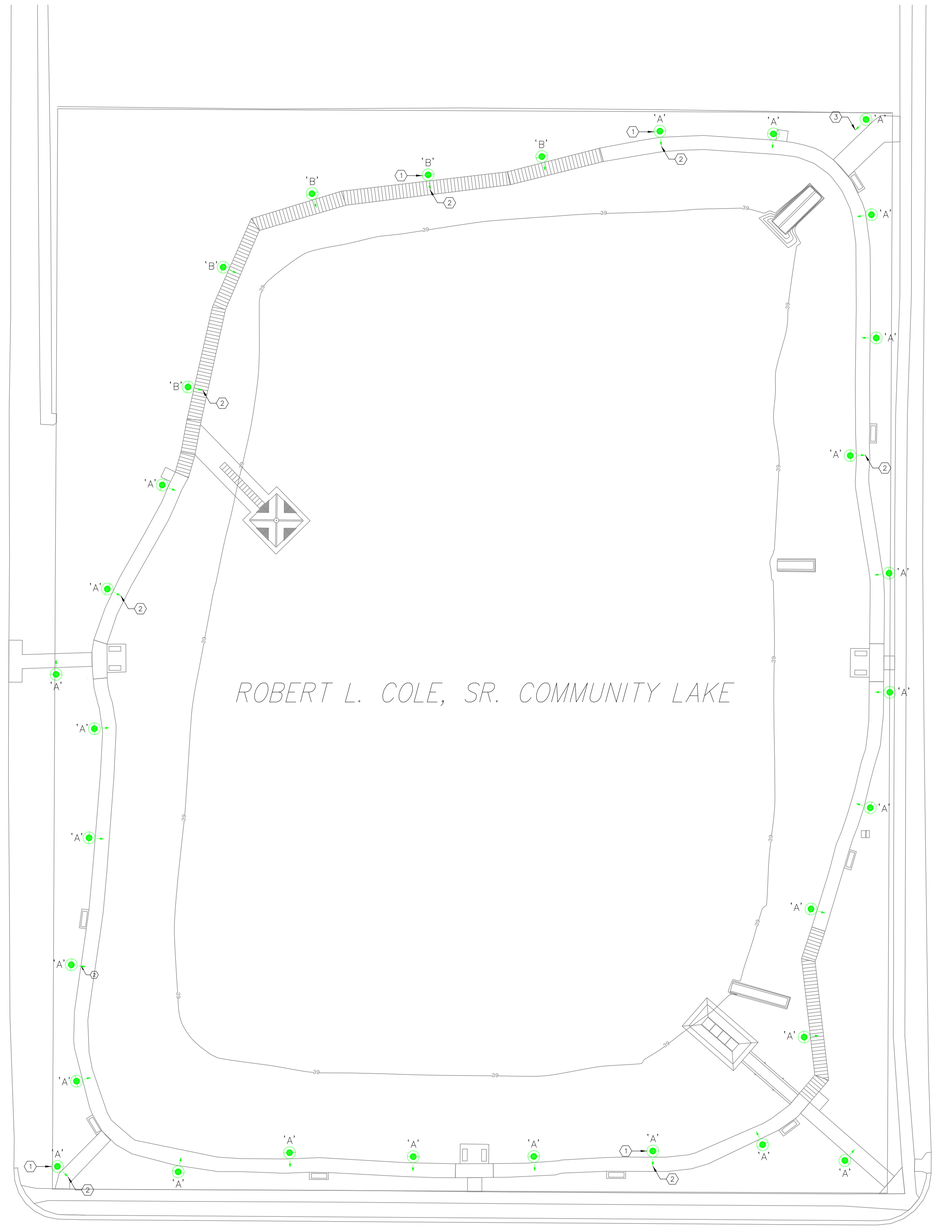
	A	B	PART NUMBER
POLE TYPE 'A'	11'-6"	17'-6"	RNTA-17 1/2-40D-188-DB-AT3-STD FIN
POLE TYPE 'B'	13'-6"	19'-6"	RNTA-19 1/2-40D-188-DB-AT3-STD FIN



These Poles Meet 2010 Florida Building Code For A 150 MPH Ultimate Design Wind Speed With A Luminaire Size of 2 Sq. Ft. EPA Weighing 50 Lbs. Concentrated At A Maximum of 1'-0" Above Pole Top.

LUMINAIRE & POLE DETAIL

N.T.S.



WALKWAY LIGHTING LUMINAIRE & POLE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	LAMP(S)	VOLT	MOUNTING	REMARKS
A	VISIONAIRE LIGHTING (ARIA SIZE 1 LED) (LUMINAIRE)	ARI-1-L-T2-42LC-350-4K-UNV-PT-BK-DF-PB-10KV	42 350MA LED-4000'K	240	POST-TOP	20" DIAMETER, TWIN BAR, CAST ALUMINUM LED LUMINAIRE WITH BLACK POWDER COAT FINISH TO MATCH THE POLE
	VISIONAIRE LIGHTING (POLE)	RNTA- 17-1/2 -40D-188-DB-AT3-STD FIN; BLACK POWDER COAT FINISH (17'-6" O.H.)	- - - - -	- -	DIRECT-BURIAL WITH EMBEDMENT FOR 14' M.H.	ROUND, STRAIGHT ALUMINUM POLE WITH SLOTTED WIRING HOLES, GROUNDING LUG AND HANDHOLE (REFER TO DETAIL)
B	VISIONAIRE LIGHTING (ARIA SIZE 1 LED) (LUMINAIRE)	ARI-1-L-T2-42LC-350-4K-UNV-PT-BK-DF-PB-10KV	42 350MA LED-4000'K	240	POST-TOP	SAME AS TYPE "A" EXCEPT ON LONGER POLE FOR LOWER GRADE AT LAKE BANK BELOW BOARDWALK AT NORTH END
	VISIONAIRE LIGHTING (POLE)	RNTA- 19-1/2 -40D-188-DB-AT3-STD FIN; BLACK POWDER COAT FINISH (19'-6" O.H.)	- - - - -	- -	DIRECT-BURIAL WITH EMBEDMENT FOR 14' M.H.	ROUND, STRAIGHT ALUMINUM POLE WITH SLOTTED WIRING HOLES, GROUNDING LUG AND HANDHOLE (REFER TO DETAIL)

LIGHTING PLAN NOTES:

1. LUMINAIRE POLE LOCATION SHALL BE APPROXIMATELY 30" FROM THE CENTER OF THE POLE TO THE EDGE OF THE ADJACENT WALKWAY. THIS SHALL BE TYPICAL FOR ALL LUMINAIRES.
2. LUMINAIRE AIMING/ORIENTATION SHALL BE, AS IMPLIED BY ARROW, PERPENDICULAR TO THE ADJACENT WALKWAY UNLESS OTHERWISE NOTED. HANDHOLE SHALL FACE THE PATHWAY FOR TYPE 'A' POLE AND HANDHOLE SHALL FACE AWAY FROM THE BOARDWALK FOR TYPE 'B' POLE.
3. LUMINAIRE AIMING/ORIENTATION SHALL BE, AS IMPLIED BY ARROW, PARALLEL TO THE ADJACENT WALKWAY. HANDHOLE SHALL FACE THE PATHWAY.

WALKWAY LIGHTING LUMINAIRE SITE PLAN

1" = 30'-0"

0 15' 30' 60'

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ROBINSON,HORNER,CILIBERTO RHC AND ASSOCIATES, INC.
P.O. BOX 4505
TAMPA, FLA. 33677
FBPE CA-5888
TEL. (813) 254-0907
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CITY OF TAMPA - EAST TAMPA COMMUNITY REDEVELOPMENT AGENCY
PARKS AND RECREATION DEPT.
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 Leal, P.E. Reg. No.: 22781

Drawing Title: WALKWAY LIGHTING LUMINAIRE SITE PLAN
Project No.
Scale: AS NOTED
Checked: RL
Drawn: RL
Approved: RL
Revised
File Name: RHCA - CE-049
PHASE I - TASK 4 100% SUBMITTAL 10-31-13
Revision

Date: 10-31-13

Sheet No. 1 OF 2

E.1

EXISTING PANEL SCHEDULE

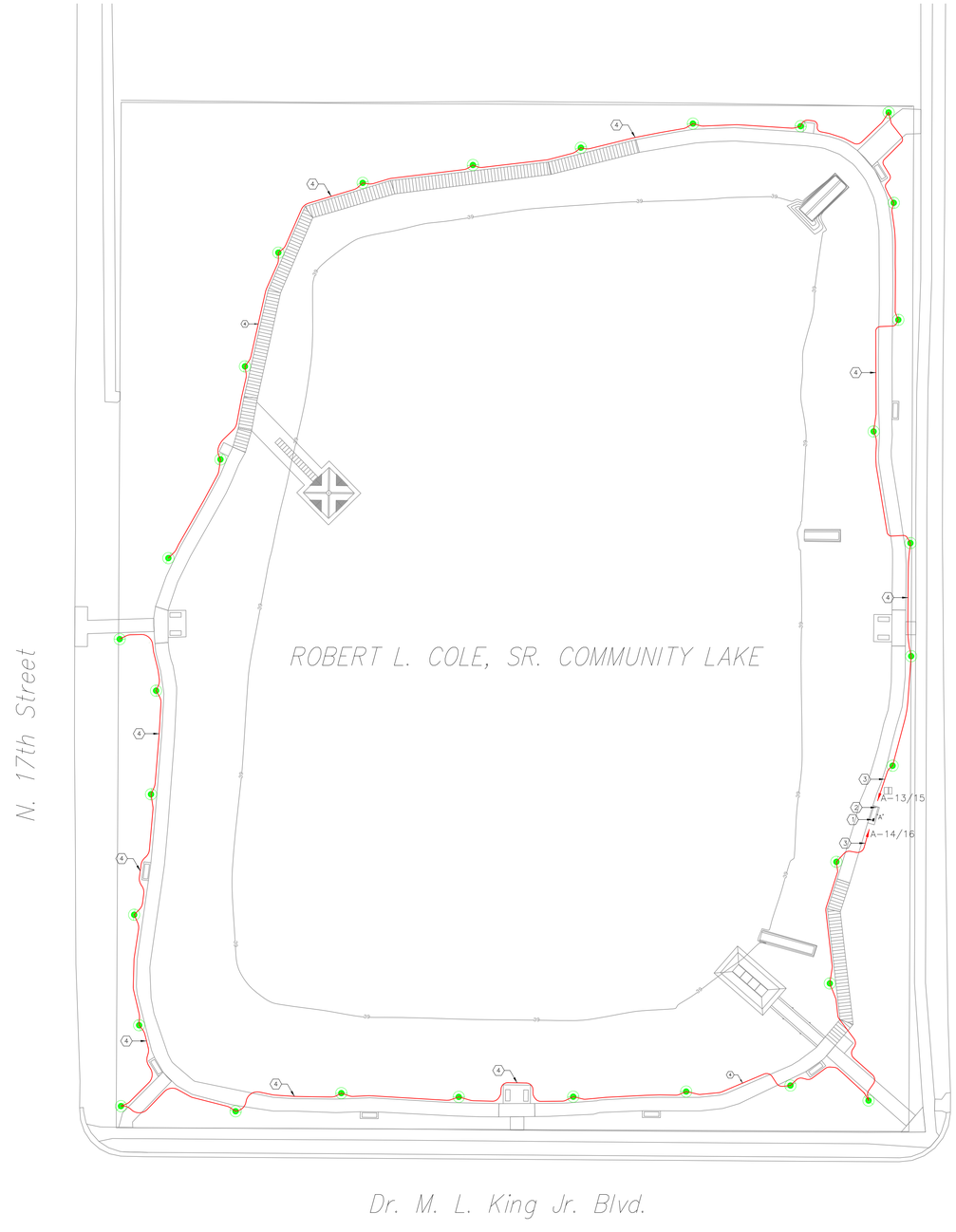
PANEL 'A': SIEMENS LOAD CENTER ; 120/240 VOLTS, 1ø, 3W ; 100 AMP MAIN CIRCUIT BREAKER ; VERIFY/PROVIDE EQUIPMENT GROUND BAR ; SURFACE ENCLOSURE

EQUIPMENT SERVED	CIRCUIT BREAKER POLE	AMPS	FRAME	KVA/PHASE A	B	CIRC. NO.	CIRC. NO.	KVA/PHASE A	B	CIRCUIT BREAKER POLE	AMPS	FRAME	EQUIPMENT SERVED
RECEPTACLES	1	20	QP	0.8		1	2	0.9		2	60	QP	SUB-PANEL "B"
LIGHTING	1	20	QP		0.4	3	4		0.9	--	--	--	" " "
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		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 IRRNET 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

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0 15' 30' 60'

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Sheet No. 2 OF 2

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