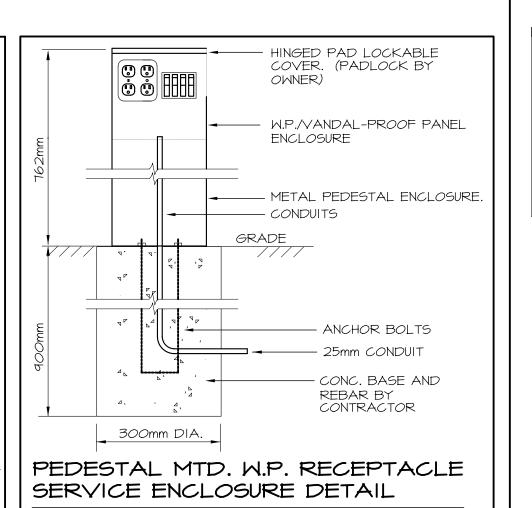


Girls Washroom

GENERAL NOTES:

- ALL ELECTRICAL ITEMS SHOWN DOTTED ARE EXISTING AND SHALL REMAIN. ITEMS MARKED WITH AN ASTERISK (*) SHALL BE DISCONNECTED AND REMOVED.
- EXISTING WIRING & CONDUIT ON SITE REQUIRED TO REMAIN IN USE FOR ANY REASON SHALL BE RE-ROUTED, ALTERED AND/OR DIVERTED BY CONTRACTOR IN AN APPROVED MANNER. ANY BRANCH CIRCUIT WIRING, CONDUIT, REC'S, ETC. NO LONGER REQUIRED TO REMAIN IN USE SHALL BE REMOVED, OR IF THIS IS NOT POSSIBLE, RENDERED PERMANENTLY INACCESSABLE \$ INACCESSABLE & COMPLETLY DISCONNECTED FROM PANELS.
- CONTRACTOR SHALL CONFIRM EXISTING U/G UTILITY CABLE ROUTES WITH UTILITIES PRIOR TO TRENCHING FOR NEW U/G PANEL FEEDER AND BRANCH CIRCUIT WIRING INSTALLATION.
- . RETURN ALL SALVAGED ELECTRICAL, PANELS, REC'S, ETC. TO THE CITY
- 5. WIRE AND CONNECT NEW RECEPTACLE SERVICE PEDESTAL TO EXISTING PARK PANEL "P" WITH 3/C#I RA90 PVC CU. CORFLEX AND PROVIDE I-30A-2P C.B. IN PANEL TO SUIT.
- 6. WIRE AND CONNECT NEW LIGHT STANDARDS AS INDICATED TO EXISTING PARK PANEL "P" PROVIDE 4-15A-IP C.B. IN PANEL TO SUIT. CIRCUIT NUMBERS SHOWN ARE FOR CLARIFICATION PURPOSES ONLY
- . CONTRACTOR SHALL PROVIDE GROUNDING FOR ANY POOL METAL PART OR REINFORCING STEEL. SEE MECHANICAL DWG. M-2 FOR GROUNDING EQUIPMENTS. PROVIDE CONNECTION OF EQUIPMENT GROUND TO BUILDING MAIN GROUND AS PER C.E.C. SECTION 68-058.
- . CONTRACTOR SHALL REFER TO MECHANICAL DRAWING M-3 FOR ALL REQUIRED ELECTRICAL WORK IN EXISTING AND EXPANDED PUMP ROOM TO ACCOMMODATE MECHANICAL EQUIPMENT AND PIPING INSTALLATION. RELOCATE EXISTING ELECTRICAL PANEL, STARTERS, SWITCHES AND ETC. AS REQUIRED. DISCONNECT AND REMOVE ANY ITEMS WHICH ARE NO LONGER REQUIRED TO REMAIN IN USE.
- CONTRACTOR SHALL RE-USE EXISTING CONCRETE BASE FOR NEW LIGHT STANDARD INSTALLATION INCLUDE ALL COST IN CONTRACT TO MODIFY EXISTING BASE TO ACCOMMODATE NEW LIGHT STANDARDS INSTALLATION.
- . <u>CONTRACTOR SHALL SUPPLY AND INSTALL NEW PANEL "A" TO PUMP ROOM FOR NEW PUMPS (M-2).</u> <u>WIRE AND CONNECT NEW PANEL TO EXISTING MAIN PANEL IN FURNACE ROOM AS NOTED.</u>
- CONTRACTOR SHALL WIRE AND CONNECT NEW PUMP (M-I) TO EXISTING MAIN PANEL IN "FURNACE ROOM" AS NOTED.



I. PANEL SHALL BE W.P. 30A, 120/240V/1Φ/3W TYPE

3. PEDESTAL AND ENCLOSURE SHALL BE AS MANUFACTURED

C/W 4-I5A-IP G.F.I. TYPE CIRCUIT BREAKERS. 2. PANEL SHALL BE C/W TWO SPLIT CIRCUIT DUPLEX

BY "J.R. STEPHENSON." CAT. #P202-3352-SP3.

			MOTOR SCHEDULE									
			١	10.	DESCRIPTION	H.P.	AMP	VOLT/Φ	CCT. #	C.B.	WIRE	CONTROL
WADING POOL WATER QUALITY MANAGEMENT AND SPLASH PAD	WASDING POOL DISTRIBUTION PACKAGE	OCCUPIED STORAGE ROOM	\ \ \	1-1	MADING POOL WATER QUALITY MANGEMENT AND DIST'N. PACKAGE	5.0	28	240/1	EXIST. MAIN PANEL	70A-2P	#4	BY MECH. SUBCONTRACTOR
DISTRIBUTION PACKAGE EXISTING STORAGE ROOM WATER QUALITY MANAGEMENT PACKAGE	STORAGE SPACE FOR LAWN MOWER	ROOM	<u> </u>	1-2	SPLASH PAD WATER QUALITY MANGEMENT PACKAGE	3.0 2.0	17.0 12.0	240/l 240/l	AI, 2 A3 ,4	40A-2P 30A-2P	#8 #10	BY MECH. SUBCONTRACTOR
NEW PANEL "A"				NOT	- 5 :							
				١.	CONTRACTOR SHALL REF							· = ·

- LOCATIONS. CO-ORDINATE WIRING AND CONNECTION WITH EQUIPMENT SUPPLIER. CONTROL WORK AND WIRING SHALL BE BY MECHANICAL SUBCONTRACTOR.
- PROVIDE DISCONNECT SWITCHES FOR EQUIPMENT AS REQUIRED BY CODE.
- CONTRACTOR SHALL WIRE AND CONNECT "M-I" MOTOR TO EXISTING MAIN PANEL IN "FURNACE ROOM". PROVIDE C.B. AND WIRING AS INDICATED.

PA	PANELBOARD "A" SCHEDULE MAINS: 100A									
WIRE	DESCRIPTION	2	器				ARK APP	CCT.	DESCRIPTION	WIRE
#8	SPLASH PAD WATER PUMP		40	1	-	_	-	15	SPARE	#_
#8	(M-2)	2	2P	_		-	-	15	SPARE	#-
#10	SPLASH PAD WATER PUMP	3	30	Ī	•	_	-	9	SPACE	#-
#10	(M-2)	4	2P	_	-	-	-	10	SPACE	#-
	SPARE	5	15	1			-	Ш	SPACE	#-
	SPARE	6	15	_		-	-	12	SPACE	#-

EXISTING, 200A MAIN

Boys Washroom

_SWITCH & 225A, I20/

240V/IΦ/3W "F.P.E."

MAIN PANEL.

FURNACE

ROOM

PUMP ROOM LAYOUT

- NEW PANEL "A' SHALL BE 120/240V/IΦ/3W SURFACE MTD. TYPE C/W DOOR COVER & KEY LOCK. PANEL SHALL BE AS MANUFACTURED BY "F.P.E." TO MATCH EXISTING. LOADCENTER TYPE PANEL IS NOT ACCEPTABLE.
- WIRE AND CONNECT NEW PANEL TO EXISTING 225A PANEL IN FURNACE ROOM WITH 3#3 RW90 COPPER WIRE IN 2"C AND PROVIDE I-100A-2P C.B. TO EXISTING PANEL. FOR NEW PANEL "A".



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	PC	Engin	eering	Ltd.
NI.	900	F		70

ENGINEERING LTD.	
SCURFIELD BLVD. WPG. MANITOBA	
LDA R3Y 1M6	Landscape Arc

SUPPLY AND INSTALL ALL LABOUR, MATERIAL, ETC., AS SPECIFIED AND AS MAY BE REQUIRED FOR A COMPLETE, FULLY OPERATIVE AND APPROVED ELECTRICAL

ALL MATERIALS SHALL BE NEW, C.S.A. APPROVED AND THE ENTIRE ELECTRICAL

INSTALLATION SHALL COMPLY WITH THE CANADIAN ELECTRICAL CODE AND WITH

ALL LOCAL LAWS, RULES AND ORDINANCES. OBTAIN ALL NECESSARY PERMITS

OBTAIN A CERTIFICATE OF INSPECTION AND APPROVAL FROM THE ELECTRICAL INSPECTION DEPARTMENT HAVING JURISDICTION ON COMPLETION OF THE WORK AND

4. CONTRACTOR SHALL VISIT THE SITE AND EXAMINE ALL RELATED DRAWINGS AND LOCAL CONDITIONS, ETC., AFFECTING THE WORK UNDER THIS CONTRACT AND

ADDITIONAL EXPENSE TO THE CITY. REPORT AT ONCE ANY DISCREPANCY. FAILURE TO REQUEST CLARIFICATION AND SITE VISIT SHALL NOT RELIEVE THE

5. CONTRACTOR SHALL GUARANTEE ALL WORK AND EQUIPMENT INSTALLED UNDER

6. CO-ORDINATE ELECTRICAL WORK WITH OTHER TRADES TO AVOID DELAYS.

8. WIRING SHALL BE COPPER OF STANDARD "AWG" SIZE WITH 600V (90 DEG. C)

9. SUPPLY, INSTALL, WIRE AND CONNECT RECEPTACLE PEDESTAL POWER BOX AS MANUFACTURED BY J.R. STEPHENSON. RECEPTACLES SHALL BE SPECIFICATION

INSULATION TYPE RWU90, UNLESS PROHIBITED BY REGULATIONS. MINIMUM WIRE

10. CONTRACTOR SHALL SUPPLY AND INSTALL CIRCUIT BREAKERS IN EXISTING PANEL FOR NEW LIGHTING AND RECEPTACLE AS INDICATED ON DRAWING. BREAKERS SHALL

II. CONTRACTOR SHALL SUPPLY, INSTALL, WIRE, CONNECT AND GROUND NEW PANEL "A"

12. PROVIDE ENGRAVED LAMACOID NAMEPLATE FOR PANEL IDENTIFICATION AND TYPE-

WRITTEN DIRECTORY FOR CIRCUIT IDENTIFICATION. UPDATE EXISTING PANELBOARD

13. ALL TRENCHING AND BACKFILL FOR POWER INSTALLATION SHALL BE BY CONTRACTOR

14. SCHEDULING OF WORK ON SITE SHALL BE ARRANGED WITH CONTRACT ADMINISTRATOR

TO MINIMIZE DISRUPTIONS TO THE CITY OPERATION DURING NORMAL WORKING HOURS.

ANY SHUTDOWN OR INTERRUPTIONS TO SYSTEM SHALL BE AT TIMES ACCEPTABLE AND

CONDITION TO 3.5" DISK (CADD DRAWINGS) WITH FULL SIZE PLOTTED DRAWINGS, SIGN EACH DRAWING AS CERTIFICATION OF ACCURACY, STAMP EACH DRAWING AS BEING "AS-BUILT" AND DELIVER WITH ALL APPROVED SHOP DRAWINGS TO THE CONTRACT ADMINISTRATOR OFFICE IN GOOD CONDITION. ORIGINAL DRAWINGS IN DISK FORMAT

LIGHT STANDARDS SHALL BE MOUNTED ON IOOMM ROUND AND 4800MM HIGH STEEL POLE. POLE SHALL BE C/W ALL NECESSARY MOUNTING HARDWARE (ANCHOR BOLTS &

CO-ORDINATE ALL WORK WITH CONTRACT ADMINISTRATOR. MIN. OF 900mm

16. SUBMIT ALL SHOP DRAWINGS TO THE CONTRACT ADMINISTRATOR OFFICE FOR

17. WHEN THE WORK IS COMPLETED, CONTRACTOR SHALL TRANSFER THE "AS-BUILT"

15. SUPPLY, INSTALL, WIRE, CONNECT AND GROUND ALL LIGHT FIXTURES AS

CAN BE OBTAINED FROM CONTRACT ADMINISTRATOR OFFICE.

LIGHTING FIXTURE SCHEDULE

BASE COVER). FIXTURE AND POLE SHALL BE POWDER COATED.

CAT. NO.

4MRO-16-BZP POLE

SUBMIT TO THE CONTRACT ADMINISTRATOR PRIOR TO FINAL INSPECTION OF THE WORK.

ASCERTAIN THAT ALL WORK SHOWN CAN BE SATISFACTORILY CARRIED OUT WITHOUT

THIS CONTRACT FOR A PERIOD OF TWELVE CALENDER MONTHS AFTER ACCEPTANCE

1. SURFACE MOUNTED CONDUITS SHALL BE ELECTRIC METALLIC TUBING WITH WATER-TIGHT CONNECTION OR UNLESS PROHIBITED BY REGULATIONS. SURFACE MOUNTED CONDUIT SHALL BE WELL SUPPORTED FROM COUPLINGS AND CONNECTORS WITH C.S.A. APPROVED MOUNTING DEVICES AND BRACKETS. JUNCTION BOX OR PULL BOX SHALL NOT BE MORE THAN 18.0M APART ON ALL CONDUIT RUNS. PROVIDE SEAL-TITE FLEXIBLE CABLE AT LOCATIONS WHERE CONDUIT GOES UNDERGROUND. PROVIDE EXTRA LENGTH OF FLEXIBLE CABLE TO ALLOW MOVEMENT OF ABOVE

AND PAY ALL FEES REQUIRED FOR THE ELECTRICAL INSTALLATION.

CONTRACTOR FROM PROVIDING THE WORK AS INTENDED.

OF THE INSTALLATION BY THE CITY.

SIZE SHALL BE #12 AWG.

GRADE, 120V, 15A IVORY.

MATCH EXISTING I.C. RATING. CONFIRM ON SITE.

INDICATED ON LIGHT FIXTURE SCHEDULE.

rchitecture · Planning 500-115 Bannatyne Avenue East, Winnipeg, Manitoba R3B OR3 Telephone 204 • 944 • 9907 Facsimile 204 957 • 1467

LAMPS

ISSUE FOR TENDER | MARCH/06

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATUMS AND LEVELS PRIOR TO COMMENCEMENT OF WORK. ALL ERRORS AND OMISSIONS TO BE REPORTED IMMEDIATELY TO THE CONTRACT ADMINISTRATOR.

VARIATIONS & MODIFICATIONS TO WORK SHOWN ON THESE DRAWINGS SHALL NOT BE CARRIED OUT WITHOUT WRITTEN PERMISSION FROM THE CONTRACT ADMINISTRATOR.

THIS DRAWING IS THE EXCLUSIVE PROPERTY OF THE CONTRACT ADMINISTRATOR AND CAN BE REPRODUCED ONLY WITH THE PERMISSION OF THE CONTRACT ADMINISTRATOR, IN WHICH CASE THE REPRODUCTION MUST BEAR THEIR NAME AS CONTRACT ADMINISTRATOR.

VIMY RIDGE MEMORIAL PARK

PLAYGROUND AREA

LIGHTING AND POWER LAYOUT

Thomas

Frank

Cram

THIS DRAWING MUST NOT BE SCALED.

REMARKS

Drawn	P. KIEMENEY	P. CHUNG
Scale	1:400	MARCH 03, 2006
Job		Drawing E-1

APEGII No. 892 Expiry: April 30, 2007

Drawing Title