



- GENERAL NOTES:**
1. VERIFY LOCATIONS OF UTILITIES AND PROTECT ALL ELECTRICAL EQUIPMENT AGAINST DAMAGE DURING CONSTRUCTION.
 2. COORDINATE POLE FOOTINGS AND POWER LOCATIONS WITH CIVIL AND LANDSCAPE DRAWINGS.
 3. CONDUIT TRENCH LINE IS SHOWN FOR APPROXIMATE ROUTING. CONTRACTOR SHALL CONFIRM AND COORDINATION ROUTING OF CONDUITS TO SUIT SITE CONDITIONS.
 4. WHERE CONDUITS ARE ROUTED UNDER ROADWAYS, COORDINATE DEPTH OF BURIAL WITH CITY OF WINNIPEG REQUIREMENTS.
- NOTES:**
1. PROVIDE NEW POST-TOP LUMINAIRES AS SPECIFIED C/W POLES AS SPECIFIC. REFER TO DETAIL 1/E1.0 FOR POLE BASE DETAIL.
 2. WIRE AND CONNECT LUMINAIRES TO EXISTING PANEL C AS SPECIFIED. UTILIZE 2-#6AWG RW90 Cu. IN EXISTING CONDUIT(S) FROM TIE-IN POINT BACK TO PANEL C FOR EACH CIRCUIT.
 3. PEDESTRIAN LEVEL STREET LIGHTING TRENCH SHALL BE RUN 1500mm FROM BACK OF CURB. COORDINATE TRENCH LINE WITH NEW/EXISTING STRUCTURES ON SITE PRIOR TO CUTTING AND INSTALLATION OF CONDUIT.
 4. INSTALL ONE (1) 2" (53mm) RED U/G PVC CONDUIT FOR NEW WIRING.
 5. DARK FONT INDICATES NEW WORK.
 6. REFER TO DETAIL 3/E1.0 FOR POLE AND INSTALLATION REQUIREMENTS.
 7. U/G CONDUIT SHALL BE TERMINATED AND CAPPED AT PROJECT LIMIT EAST OF MARTHA ST.
 8. UTILIZE HEAVY-DUTY BELOW GRADE PULL-BOX FOR TIE-IN TO EXISTING CONDUIT. COORDINATE LOCATION WITH SIDEWALK CUTS AND CONTRACT ADMINISTRATOR PRIOR TO INSTALLATION. REFER TO DETAIL 4/E1.0.
 9. UTILIZE #12 AWG RW90 Cu. WIRE FOR CONNECTION TO LUMINAIRES.

1 PACIFIC AVE. - MAIN ST. TO LILY ST. - ELECTRICAL LAYOUT
 E1.1 SCALE: 1:400

LUMINAIRE SCHEDULE					
TYPE	MANUFACTURER	CATALOGUE NO.	VOLTS	LAMP	REMARKS
1	HOLOPHANE/VALMONT	HOLOPHANE: AWDE 40 3K AS M B 3 N S B VALMONT: DR9748	120	40W LED 3000K	WASHINGTON KLINE POST-TOP LUMINAIRE C/W PCS TWISTLOCK PHOTOCONTROL OPTION. POLE SHALL BE 15 ALUMINUM TAPERED POLE, POWDER COATED BLACK WITH LARGE HAND-HOLE.

PANEL		C (EXISTING)				FED FROM:		MH SERVICE POINT	
VOLTAGE:		120/208V/1Ø/3W		100A MAINS		MOUNTING:		SURFACE	
						POWER:		NORMAL	
DESCRIPTION	LOAD	BRKR	CCT	PHASE	CCT	BRKR	LOAD	DESCRIPTION	
DECORATIVE LTG - PACIFIC TO ALEXANDER	484	15	1	A	13			SPACE	
DECORATIVE LTG - ALEXANDER TO GALT NORTH	308	15	2	B	14			SPACE	
DECORATIVE LTG - ALEXANDER TO GALT SOUTH	308	15	3	A	15			SPACE	
DECORATIVE LTG - TRELLIS	297	15	4	B	16			SPACE	
DECORATIVE LTG - PACIFIC AVE NORTH SIDE	320	15	5	A	17			SPACE	
DECORATIVE LTG - PACIFIC AVE SOUTH SIDE	120	15	6	B	18			SPACE	
SPACE			7	A	19			SPACE	
SPACE			8	B	20			SPACE	
SPACE			9	A	21	15		SPARE	
SPACE			10	B	22	15		SPARE	
SPACE			11	A	23	15		SPARE	
SPACE			12	B	24	15		SPARE	
LIGHTING		1.84		ELECTRIC WATER HEATING		MOTORS		ELECTRIC RAMP HEATING	
PARKING RECEPTACLES				AIR CONDITIONING		MISCELLANEOUS LOADS		LAUNDRY EQUIPMENT	
ELECTRIC HEATING				ELEVATOR MOTORS		ELECTRIC BOILER		KITCHEN EQUIPMENT	
								TOTAL (kVA) 1.84	

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NOTE:
 These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.

APEGM
 Certificate of Authorization
 MCW/AGE Consulting
 Professional Engineers
 No. 589 Expiry: April 30, 2017

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

LOCATIONS APPROVED UNDERGROUND STRUCTURES

SIGNED BY: _____ DATE: _____

SUPV U/G STRUCTURES _____ DATE _____

LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING

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10331-06

DESIGNED BY	MJB	CHECKED BY	EG
DRAWN BY	MJB	APPROVED BY	EG
HOR. SCALE	1:250	RELEASED FOR CONSTRUCTION	
VERTICAL		DATE	03.02.2017

ENGINEER'S SEAL

CONSULTANT ACAD DWG. NO.
 E1.1

THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
 TRANSPORTATION DIVISION

CITY OF WINNIPEG
 2017 NORTHEAST EXCHANGE DISTRICT
 STREET RENEWAL: PACIFIC AVENUE
 AND 1919 GENERAL STRIKE MONUMENT

CITY DRAWING NUMBER
 SHEET 2 OF 3

BID NO.
 27-2017

NOTE: SITE PLAN - ELECTRICAL LAYOUT