




LUMINAIRE SCHEDULE						
Type	Manufacturer	Catalogue No.	Voltage	Lamps	Mounting	Remarks
				No.	Type	
A	CFI FLUORESCENT	TU248-120SO	120	2	T8	STEM MOUNTED AT 5 METERS A.F.F.
B	KEENE LYTEPRO WALLCUBES	LP-S-C-07-3-MA-L-P105A-1-P	120	1	70W M.H.	WALL MOUNTED AT 1 METER ABOVE DOOR OPENING
C	KEENE AREA FLOODLIGHTING	AK-M-M-250-C-1-TLR-MFA-P	120	1	250W M.H.	POLE 2" POLE MOUNTED C/W BASE DUSK TO DAWN PHOTOCONTROL. BULL HORN ARM REQUIRED FOR DUAL HEAD FIXTURES. (WEST SIDE OF SBR TANK)
D	KEENE FLOODLIGHTING WALL MOUNTED ROADWAY LIGHTING	MR-W-150-D-MA-L-1-P	120	1	150W M.H.	WALL MOUNTED AT 6 METERS ABOVE FINISHED GRADE
E	ROADWAY LIGHTING	TPA-250M-R5P-120-LPI-SF-PE1	120	1	250W M.H.	POLE C/W 8 METER POLE AND DUSK TO DAWN PHOTOCONTROL
F	READY LITE N-TUF SERIES EMERGENCY / EXIT COMBO	N12M60-2-MK-TUF1-F-FA	120	2	MR16 - 12W	WALL COLOR TO SUIT EXISTING. C/W FIRE ALARM ACTIVATED FLASHER

HEAT TRACE SCHEDULE							
Heat Trace Number	Location	Pipe size	Installation	Heat Trace Cable Size	Trace/Wrap	Manufacturer/Cat. No.	Remarks
HT-1	Condensate for Stack Exhaust	75mm	50mm	15.25W/M	Trace	Serge Baril Cat. No. 5FPS-1BT	Provide misc. equipemnt as required Note 1
HT-2	Exhaust Fan Rm.	75mm	50mm	15.25W/M	Trace	Serge Baril Cat. No. 5FPS-1BT	Refer to Mechanical Drawing for length Note 2
HT-3	Exhaust Fan Rm.	50mm	50mm	9.15W/M	Trace	Serge Baril Cat. No. 3FPS-1BT	Refer to Mechanical Drawing for length Note 3
HT-4	Soda Ash Silo	100mm	50mm	9.15W/M	Trace	Serge Baril Cat. No. 3FPS-1BT	Refer to Mechanical Drawing for length Note 4
HT-5	Soda Ash Silo	38mm	25mm	9.15W/M	Trace	Serge Baril Cat. No. 3FPS-1BT	Refer to Mechanical Drawing for length Note 5
HT-6	Soda Ash Tank		20mm	30.4W/M	Wrap Tank	Serge Baril Cat. No. 10FPS-1BT	Refer to Mechanical Drawing for length Note 6
HT-7	Exhaust Fan Rm.			15.25W/M	Trace/Wrap	Serge Baril Cat. No. 5FPS-1BT	Refer to Mechanical Drawing for length Note 7
HT-8	SBR to Silo	150mm	50mm	15.25W/M	Trace	Serge Baril Cat. No. 5FPS-1BT	Refer to Mechanical Drawing for length Note 8
HT-9	SBR to Silo	150mm	50mm	15.25W/M	Trace	Serge Baril Cat. No. 5FPS-1BT	Refer to Mechanical Drawing for length Note 9

- Notes
- Length of heat trace approx. 26 meters ( to be confirmed by contractor)
  - Condensate drain, length of pipe approx. 9 meters (to be confirmed by contractor)
  - Condensate drain, length of pipe approx. 8 meters (to be confirmed by contractor)
  - Process piping, length of pipe approx. 2 meters ( to be confirmed by contractor)
  - Silo eye wash, length of pipe approx. 15 meters (to be confirmed by contractor)
  - Soda Ash Tank to be heat traced with 2 cables approx. 31 meters each (to be confirmed by contractor)
  - Wrap damper operator and linkage.
  - Process piping from SBR to Silo, Approx. length 15 meters ( to be confired by contractor)
  - Process piping from SBR to Silo, Approx. length 15 meters ( to be confired by contractor)

 Certificate of Authorization Earth Tech Canada Inc. No. 730 Expiry: April 30, 2007	B.M. ELEV.	 A Tyco International Ltd. Company	ENGINEER'S SEAL	 <b>THE CITY OF WINNIPEG</b> WATER AND WASTE DEPARTMENT ENGINEERING DIVISION					
			DESIGNED BY PS		CHECKED BY GSN	ORIGINAL SIGNED BY P. STRYK			
			DRAWN BY CPG		APPROVED BY JEH	2006/07/19			
			SCALE: N.T.S.		RELEASED FOR CONSTRUCTION BY: K. MARTENS	CONSULTANT DRAWING NO. E3.06			
	NO. REVISIONS	DATE BY	DATE	2006/02/23	DATE	2006/07/19		NEWPCC CENTRATE NUTRIENT TREATMENT NITROGEN REMOVAL FACILITY	CITY FILE NUMBER
								ELECTRICAL SCHEDULES	SHEET OF
									CITY DRAWING NUMBER