

Attachment 18

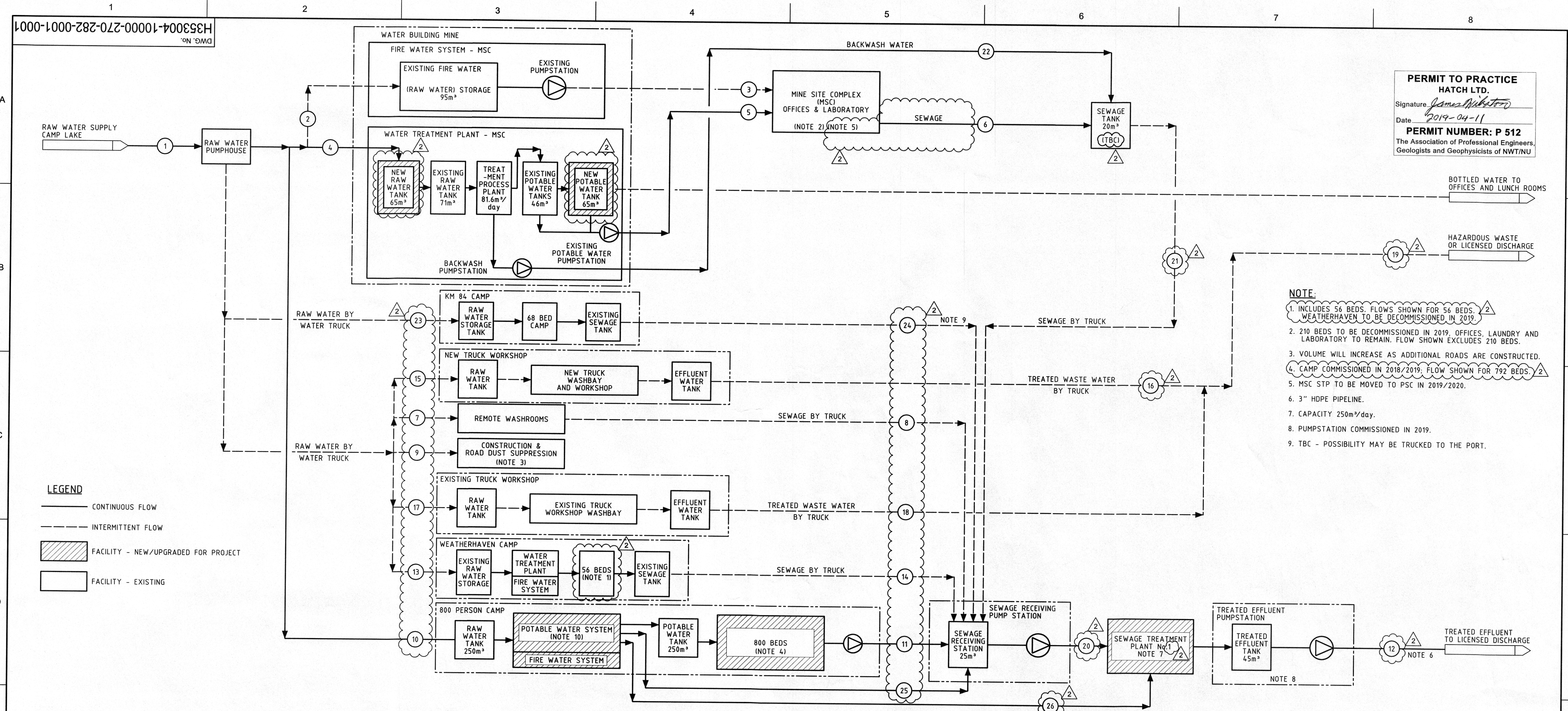
Water Supply and Sewage

(85 Pages)

Attachment 18.1

Mine Site Water and Sewage Schematic

(1 Page)



Stream No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Stream Description	RAW WATER FROM CAMP LAKE	RAW WATER TO FIRE TANKS	FIRE WATER TO MSC	RAW WATER TO MSC WTP	POTABLE WATER TO MSC (OFFICES, LAB & LAUNDRY)	SEWAGE FROM MSC (OFFICES, LAB & LAUNDRY)	RAW WATER TO REMOTE WASHROOMS	SEWAGE FROM REMOTE WASHROOMS	CONST. & ROAD DUST SUPPRESSION	RAW WATER TO 800 PERSON CAMP	SEWAGE FROM 800 PERSON CAMP TO STP # 1	TREATED EFFLUENT DISCHARGE FROM STP # 1	RAW WATER TO W.HAVEN CAMP	SEWAGE FROM W.HAVEN CAMP	RW TO NEW TRUCK WASHBAY	EFFLUENT FROM NEW TRUCK WASHBAY	RW TO EXISTING TRUCK WASHBAY	EFFLUENT FROM EXISTING TRUCK WASHBAY	WASTE WATER TO LICENSED DISCHARGE OR HAZ WASTE DISPOSAL	TOTAL SEWAGE TO STP #1	SEWAGE FROM MSC TO STP #1	BACKWASH WATER FROM MSC WTP	RAW WATER TO KM 84 TOTE ROAD CAMP	SEWAGE FROM KM 84 TOTE ROAD CAMP	BACKWASH WATER FROM 800 PERSON CAMP WTP	POTABLE WATER TO STP #1 FOR SCREEN SPRAYS
Fluid	RAW WATER	RAW WATER	RAW WATER	RAW WATER	POT. WATER	SEWAGE	RAW WATER	SEWAGE	RAW WATER	RAW WATER	SEWAGE	TREATED EFFLUENT	RAW WATER	SEWAGE	RAW WATER	EFFLUENT	RAW WATER	EFFLUENT	WASTE WATER	SEWAGE	SEWAGE	WASTE WATER	RAW WATER	SEWAGE	WASTE WATER	POT. WATER
Units	m3/day	-	m3/hr	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day	m3/day
Current Permit Limit	355.4	-	-	-	-	-	-	-	151.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calculated Flow (Average)	227	One off fill	113	13	12	12	2	2	20	165	158	205	11	11	1	1	1	1	2	204	13	1	14	14	6	1
Calculated Flow (Maximum)	278	One off fill	113	16	15	15	3	3	21	205	198	255	14	14	1	1	1	1	2	254	16	1	17	17	6	1
THIS DRAWING WAS PREPARED BY HATCH LTD. (HATCH) FOR THE EXCLUSIVE USE OF THE CLIENT AND NOT FOR CONSTRUCTION PURPOSES.																										

H353004-10000-221-282-0001		MINE WATER & SEWAGE PFD - SUPERCEDED BY THIS DRAWING	
DRAWING No.	DRAWING TITLE		
REFERENCE DRAWINGS		REG. PROFESSIONAL	
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