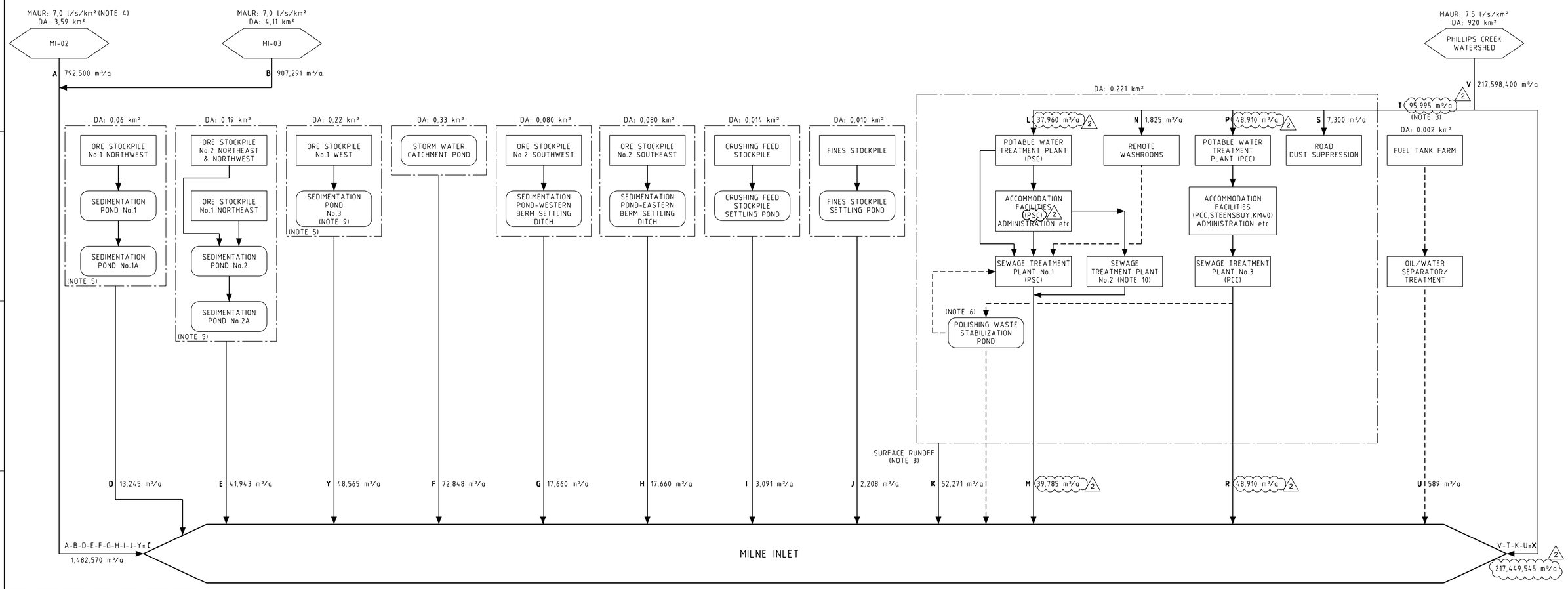
DWG. No. H353004-40000-270-252-0002-0001



LEGEND

- IMPACTED WATERSHED
- DEVELOPMENT AREAS
- DEVELOPMENT AREAS SUBJECT TO APPROVAL
- STORMWATER PONDS
- CONTINUOUS OR WATERSHED FLOW
- INTERMITTENT FLOW
- A/AA 100,000 — ANNUAL VOLUME (m³/a)
- MAUR — MEAN ANNUAL UNIT RUNOFF (l/s/km²)
- PSC — PORT SITE COMPLEX
- PCC — PORT CONSTRUCTION CAMP
- MSC — MINE SITE COMPLEX
- DA — DRAINAGE AREA (km²)

NOTES:

1. SITE LAYOUT PER DRAWING H353004-00000-220-272-0001-0001, REV 3.
2. REFER TO PROCESS FLOW DIAGRAM H353004-40000-270-282-0001-0001, FOR MORE DETAILED WATER SUPPLY AND WASTE WATER TREATMENT.
3. RAW WATER SUPPLY FLOW RATE FROM PHILIPS CREEK (SUMMER) & KM32 LAKE (WINTER/SUMMER) ARE CURRENTLY EQUAL TO OR LESS THAN TYPE A WATER LICENCE 2AM-MRY1325 FLOW RATE LIMIT OF 68.5m³/day (25,000m³/year) PLUS TYPE B WATER LICENCE 8BC-MRY-1416 FLOW RATE LIMIT OF 299m³/day (109,135m³/year) TOTAL.
4. MAUR IN WATERSHEDS MI-02 AND MI-03 LIKELY RANGE BETWEEN 5 AND 7.5 l/s/km². PART OF THE MI-03 NATURAL CATCHMENT WILL BE USED FOR PROPOSED INFRASTRUCTURE CONSTRUCTION.
5. ORE STOCKPILE AND SEDIMENTATION POND CONSTRUCTION SUBJECT TO APPROVAL. ORE STOCKPILES RECEIVE ONLY PRECIPITATION AND NO SURFACE WATER RUNOFF FROM SURROUNDING AREAS.
6. USE OF POLISHING WASTE STABILIZATION POND WILL OCCUR ON A CONTINGENCY BASIS ONLY, SHOULD OFF-SPEC TREATED SEWAGE EFFLUENT BE PRODUCED AND CANNOT BE RECYCLED.
7. PLANT SITE RECEIVES ONLY PRECIPITATION-RUNOFF AND NO SURFACE WATER RUNOFF FROM SURROUNDING AREAS.
8. REFER ERP SURFACE WATER AND AQUATIC ECOSYSTEM MANAGEMENT FROM H349000-1000-07-126-0005, REV 1 FOR CATCHMENT AREA INFORMATION.
9. STOCKPILE No.1 DEVELOPMENT - POND 3 NORTH AND SOUTH
10. STP MOVED FROM MSC.

PERMIT TO PRACTICE
HATCH LTD.
Signature _____
Date _____
PERMIT NUMBER: P 512
The Association of Professional Engineers, Geologists and Geophysicists of NWT/NU

DRAWING No.	DRAWING TITLE
H349000-2000-10-002-0002	PORT SITE - WATER BALANCE - BLOCK FLOW DIAGRAM

REFERENCE DRAWINGS

REG. PROFESSIONAL

FOR USE

THIS DRAWING WAS PREPARED BY HATCH LTD. ("HATCH") FOR THE EXCLUSIVE USE OF BAFFINLAND IRON MINES LP ("CLIENT") AND ITS USE IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT BETWEEN HATCH AND THE THE CLIENT, INCLUDING ANY LIMITATIONS ON LIABILITY CONTAINED THEREIN. THIS DRAWING AND ITS CONTENTS REMAIN THE INTELLECTUAL PROPERTY OF HATCH SUBJECT TO CLIENT'S ROYALTY-FREE, IRREVOCABLE, PERPETUAL AND NON-EXCLUSIVE LICENSE TO USE AND REPRODUCE THE DRAWING FOR PURPOSES CONNECTED WITH THE PROJECT, INCLUDING THE CONSTRUCTION, COMPLETION, MAINTENANCE, EXTENSION, REINSTATEMENT AND REPAIR OF THE PROJECT. THIS DRAWING, AND THE INFORMATION CONTAINED HEREIN, SHALL BE TREATED AS CONFIDENTIAL FOR ALL OTHER PURPOSES AND SHALL NOT BE MODIFIED WITHOUT THE WRITTEN CONSENT OF HATCH.

No.	DESCRIPTION	BY	CHK'D	DATE
2	MATRIX DECOMM; 150 BEDS KM 40 CAMP; RAPID DEPLOY OUT; 536 & 480 BEDS FOR PCC & PSC RESPECT DURING CONST.	HV	PC	30-03-2021
1	STOCKYARD 1 AND PSC UPGRADE	LS	PC	10-04-2019
0	APPROVED FOR USE	HV	PC	12-09-2018

REVISIONS

ROLE	NAME	SIGNATURE	DATE
DRAFTSPERSON	H VINCENT	NR	24-08-2018
DESIGNER		NR	
CHECKER	P CHERRY		
DESIGN COORD.	R GOOSEN		
RESP. ENG.	J WIKSTON		
LEAD DISC. ENG.	P CHERRY		
AREA LEAD	V LAVRIC		
ENG. MANAGER	R GOOSEN		
AREA MANAGER	T ATIBA		

DRAWING APPROVAL STATUS: Approved for Use

HATCH

Baffinland

BAFFINLAND IRON MINES LP
MARY RIVER EXPANSION PROJECT

PORT SITE
AREA WATER BALANCE
BLOCK FLOW DIAGRAM

SCALE NTS OR AS NOTED

DWG. No. H353004-40000-270-252-0002-0001

REV 2

SHEET SIZE: D

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