FILTER STRIP WETLANDS
±41ha

NEW LAGOON CELL 'A'
ACTIVE VOLUME 53,220m³

REHABILITATED LAGOONS

PHASE III
PHASE II
PHASE I

ABSOLUTELY NO CONSTRUCTION EQUIPMENT PERMITTED IN THIS AREA

EMERGENCY SPILLWAY
ELEV.=27.80m
ELEV.=24.0m
ELEV.=27.10m
ELEV.=23.35m
ELEV.=23.50m
LENGTH OF LAGOON ≈ 293m
LENGTH OF LAGOON ≈ 250m
WIDTH OF LAGOON ≈ 120m
WIDTH OF LAGOON ≈ 83m
3.25:1
3:1
4.0m
2.28
1.99
R16.5m
R13.3m
R13.0m
R14.2m
24.7m–150mmø HDPE PIPE
PUMPING LOCATION
PROPOSED SILT FENCE
300mmø HDPE PIPE
600mmø NESTED PIPE
10.0m–150mmø HDPE PIPE
LAGOON DECANTING INLET
TOE OF SLOPE
TOE OF SLOPE–DITCH PROTECTION IN THIS AREA SEE DETAIL SHEET IGL–5
EXISTING SWALE
EXISTING BERM
TRUCK DISCHARGE LOCATION #1
TRUCK DISCHARGE LOCATION #2
TRUCK DISCHARGE LOCATION #3
TRUCK DISCHARGE LOCATION #4
BRING UP EXISTING ROAD TO 27.80
EXISTING CSP CULVERT
NEW CHAIN LINK FENCE
WIDEN EXISTING ROAD AS NEEDED FOR TRUCK TURNING RADIUS
SITE BM
TOP OF CUT PIPE
ELE: 26.68m

LAYOUT PT#1 N:7698512.83 E:468414.76
LAYOUT PT#2 N:7698593.69 E:468469.65
LAYOUT PT#3 N:7698597.35 E:468490.93
LAYOUT PT#4 N:7698524.36 E:468590.17
LAYOUT PT#5 N:7698491.35 E:468689.42
LAYOUT PT#6 N:7698422.03 E:468707.28
LAYOUT PT#7 N:7698346.07 E:468665.37
LAYOUT PT#8 N:7698307.35 E:468729.49
LAYOUT PT#9 N:7698325.72 E:468738.95
LAYOUT PT#10 N:7698333.58 E:468755.13
LAYOUT PT#11 N:7698323.40 E:468807.82
LAYOUT PT#12 N:7698320.63 E:468814.04
LAYOUT PT#13 N:7698301.64 E:468839.09
LAYOUT PT#14 N:7698300.63 E:468840.28

LEGEND
- EXISTING SWALE
- GABION MAT
- TOP OF BERM
- TRUCK ROUTE
- DIRECTION OF OVERLAND FLOW (WETLANDS)
- 600mm PERFORATED NESTED PIPE
- EROSION CONTROL – SILT FENCE
- NEW FENCE LOCATION
- 76.58 PROPOSED GRADES
- STONE BOULDERS–SEE DETAIL SHEET FOR SPACING
- 4.0% SLOPE
- EXISTING DITCH LINE

NOTES
DISTANCES AND ELEVATIONS ARE EXPRESSED IN METERS AND ARE HORIZONTAL AT GROUND LEVEL

ALL GRID REFERENCES REFER TO THE CENTRAL MERIDIAN OF UTM ZONE 17

ELEVATION DATUM: COORDINATE CONTROL MONUMENT – IGLOOLIK CBM M009001, ELEVATION – 46.74 METERS ABOVE MEAN SEA LEVEL–SEE SITE PLAN FOR LOCATION

CONTOUR INTERVAL = 0.5m

PERMIT TO PRACTICE
EXP SERVICES INC.
Signature Steve Burden
Date 2015-03-27
PERMIT NUMBER: P 483
NT/NU Association of Professional Engineers and Geoscientists

NOTES
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

ISSUED FOR
NWB REVIEW

NO.	REVISION DESCRIPTION	DATE	BY	APPD
5	ISSUED FOR NWB REVIEW	27/03/15	IPC	SLB
4	ISSUED FOR 100% REVIEW	05/03/15	IPC	SLB
3	ISSUED FOR 99% REVIEW	19/01/15	IPC	SLB
2	ISSUED FOR 75% REVIEW	21/11/14	IPC	SLB
1	ISSUED FOR REVIEW	13/03/12	MEB	SLB

SCALE
HORZ 1:750
0 5m 10m 30m
HORIZONTAL 1:750

DESIGNED BY

REVIEWED BY
REGISTERED PROFESSIONAL ENGINEER
S. L. BURDEN
LICENSEE
2015-03-27
N.W.T.

CLIENT
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DEPARTMENT OF COMMUNITY AND GOVERNMENT SERVICES

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PROJECT
WASTEWATER TREATMENT FACILITY
IGLOOLIK, NUNAVUT

PROJ. NO. OTCD00019838A
SURVEY exp.
DATE NOV. 2014

TITLE
NEW LAGOON CELL 'A'
PHASE I

DRAWING NO. IGL–4

File Name: r:\10000\19838\19838-tbp\4-solid waste mgt\igloolik - ramp working drawings\2014 work\04-05 - new lagoon.dwg
Last Saved By: IPC
Last Plotted: 3/27/2015 11:26:19 AM Plotted By: crawfordi
Plot Scale: 1:1
References: