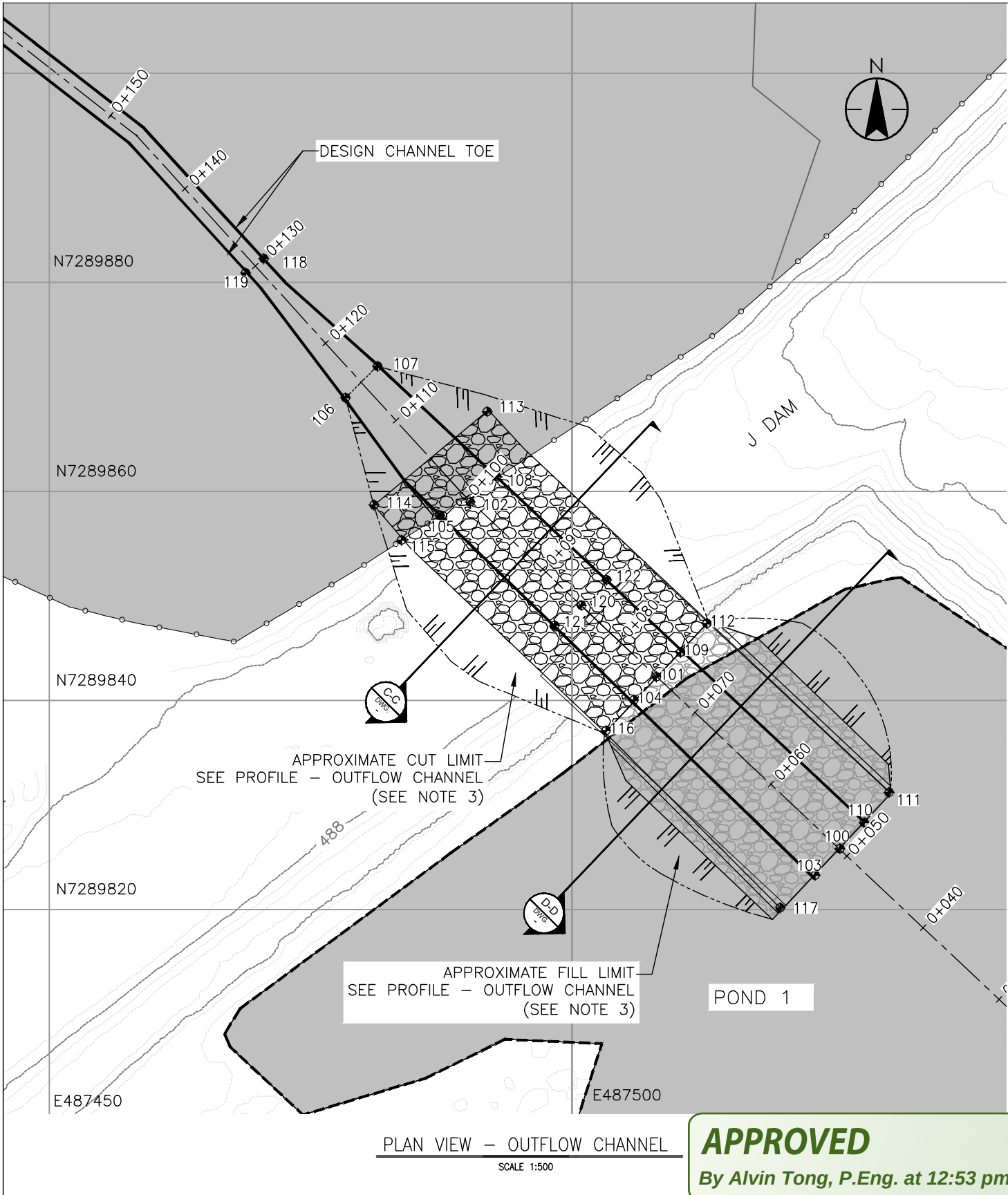


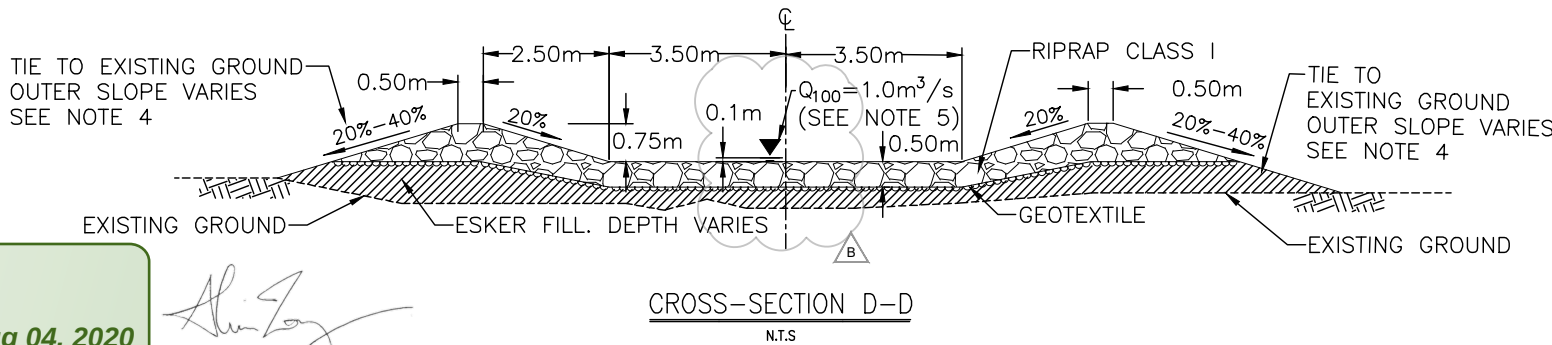
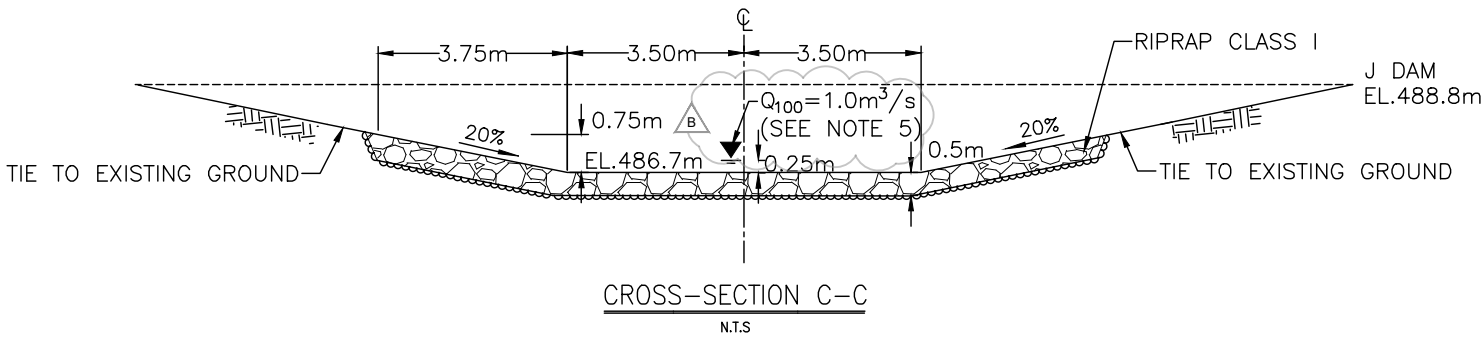
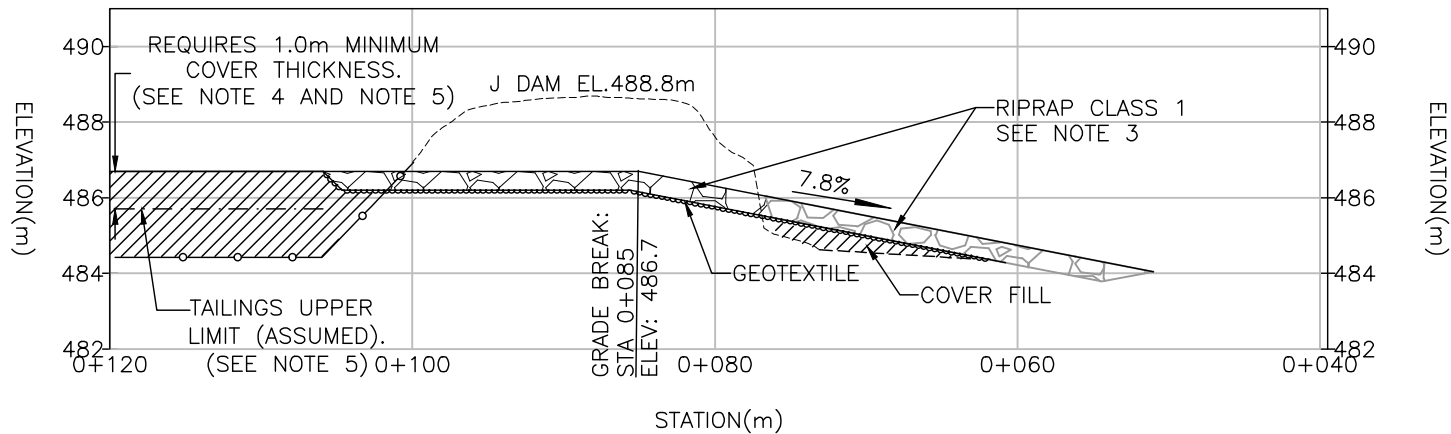
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POINT NUMBER	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION	POINT NUMBER	NORTHING	EASTING	ELEVATION
100	7289826	487526	484.1	107	7289872	487481	486.7	114	7289859	487481	487.5
101	7289842	487508	486.1	108	7289861	487493	486.7	115	7289855	487483	487.5
102	7289859	487490	486.7	109	7289845	487510	486.1	116	7289837	487503	486.9
103	7289823	487523	484.6	110	7289828	487528	484.5	117	7289820	487520	484.5
104	7289840	487506	486.1	111	7289831	487530	484.5	118	7289882	487471	486.6
105	7289857	487487	486.7	112	7289847	487513	486.9	119	7289881	487469	486.6
106	7289869	487478	486.7	113	7289868	487492	487.5	120	7289849	487501	486.7
								121	7289847	487498	486.7
								122	7289851	487503	486.7

WORK POINTS DESCRIPTION



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LEGEND

- 2m EXISTING GROUND CONTOURS
- 0.5m EXISTING GROUND CONTOURS
- 2m DESIGN CONTOURS
- 0.5m DESIGN CONTOURS
- APPROXIMATE OUTFLOW CHANNEL WORKS EXTENT
- GEOTEXTILE
- NO DATA. SEE NOTE 3.
- WATERLINE

- WATER COVERED AREA
- ESKER COVER FILL MATERIAL
- RIPRAP – CLASS 1
- RIPRAP – CLASS 1
(EXTENDED PLACEMENT. SEE NOTE 3)

NOTE

- EXISTING TOPOGRAPHIC CONTOURS AND WATER COVERED AREAS DELINEATED FROM LIDAR SURVEY COMPLETED AUGUST 2019 AND BATHYMETRY SURVEYS COMPLETED JUNE 2019.
- COORDINATES ARE PRESENTED IN NAD83 UTM, ZONE 12.
- PLACEMENT SHOWN AT TOE OF STRUCTURE (STA 0+050 TO 0+075) MAY NOT BE REQUIRED. REFER TO CONSTRUCTION SPECIFICATIONS DRAWING 001 TABLE 2, CLASS 1 PLACEMENT SPECIFICATIONS FOR ADDITIONAL INFORMATION
- FILL OUTER BERM SIDE SLOPE
 - IS 40% FROM GROUND CONTACT IN POND 1 TO STA 0+055
 - IS 20% BETWEEN STA 0+070 AND CONTACT WITH SIDE SLOPE OF J DAM.
 - TRANSITIONS SMOOTHLY FROM 40% TO 20% BETWEEN STA 0+050 AND STA 0+070
- ILLUSTRATES APPROXIMATE FLOW DEPTH AND FLOW RATE (Q) FOR 1-IN-100-YEAR, 24-HOUR STORM EVENT.

Client
LUPIN MINES INC.

Project
LUPIN MINE CLOSURE

Title
CELL 5 CLOSURE

OUTFLOW CHANNEL

Scale: 1:4000 Drawing No.005

SS	PK	AT	2020.06.09
Dwn.	Dgn.	Chkd.	YYYY.MM.DD
Project No.: 129500081			Revision: B