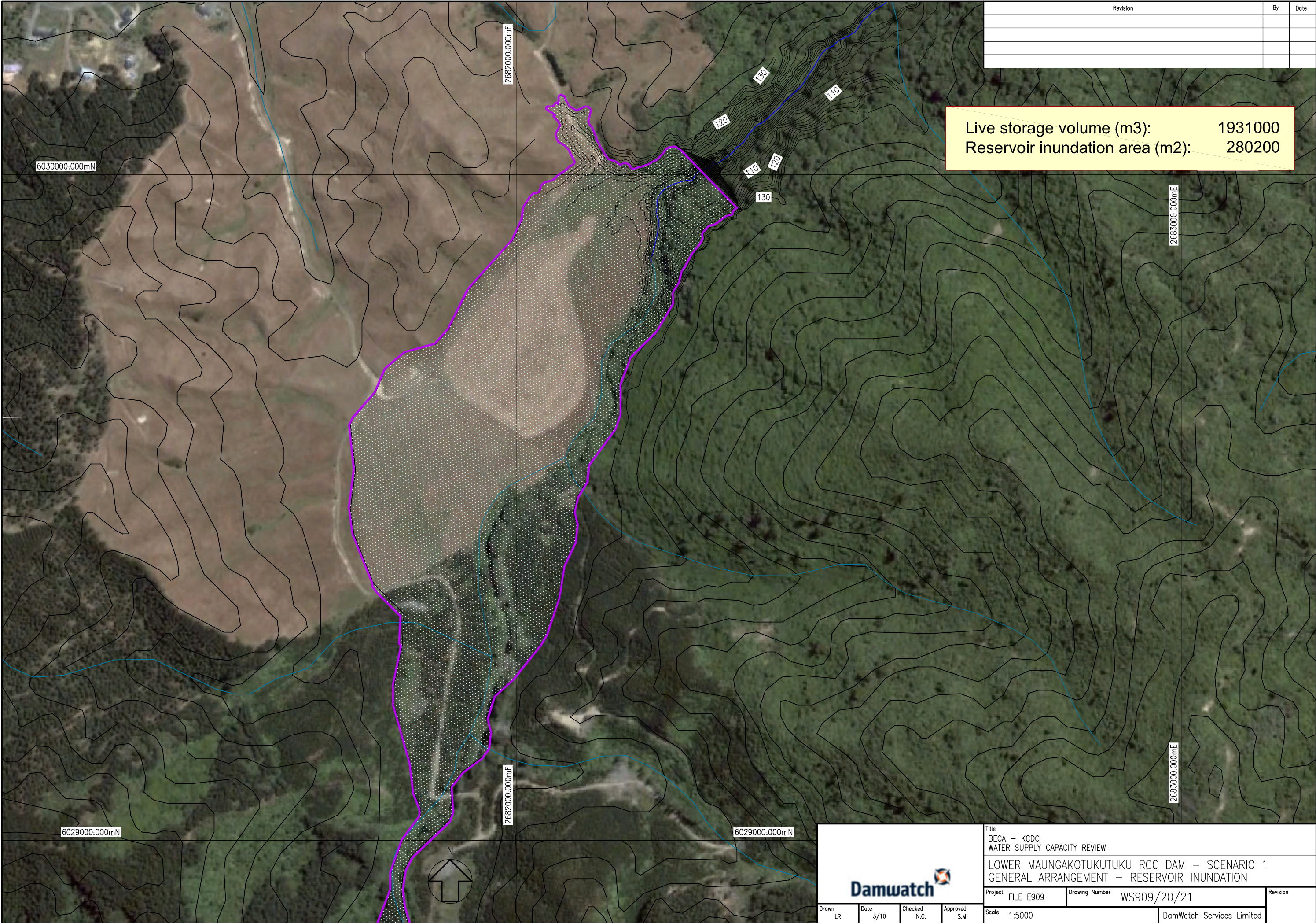




Revision	By	Date

Live storage volume (m3): 1931000
Reservoir inundation area (m2): 280200

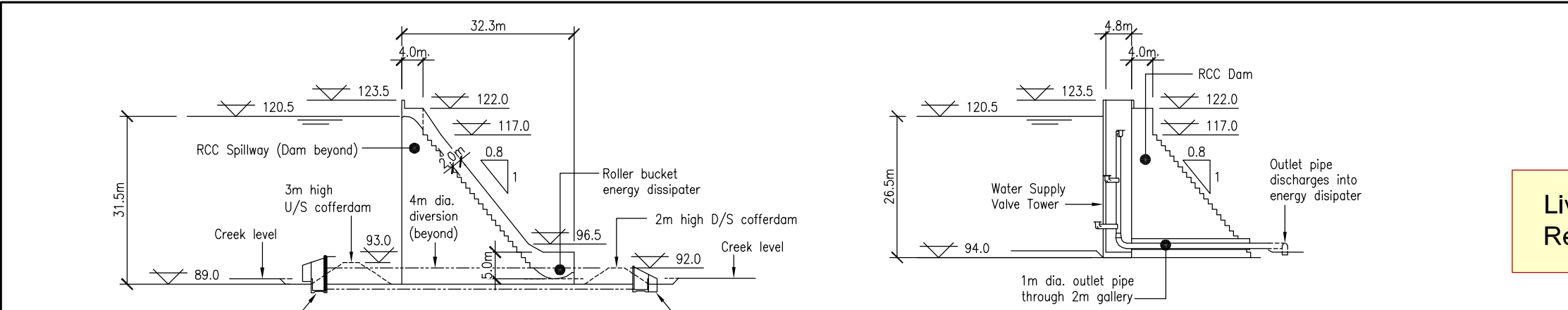
20 May 2010 4:17pm

Graphic Scales 1:5000 0 40 80 120 160 200 240 m

				Title BECA – KCDC WATER SUPPLY CAPACITY REVIEW	
				LOWER MAUNGAKOTUKUTUKU RCC DAM – SCENARIO 1 GENERAL ARRANGEMENT – RESERVOIR INUNDATION	
Project	FILE E909	Drawing Number	WS909/20/21		Revision
Scale	1:5000		DamWatch Services Limited		
Drawn	LR	Date	3/10	Checked	N.C.
				Approved	S.M.

200 mm
100
50
10 mm
0

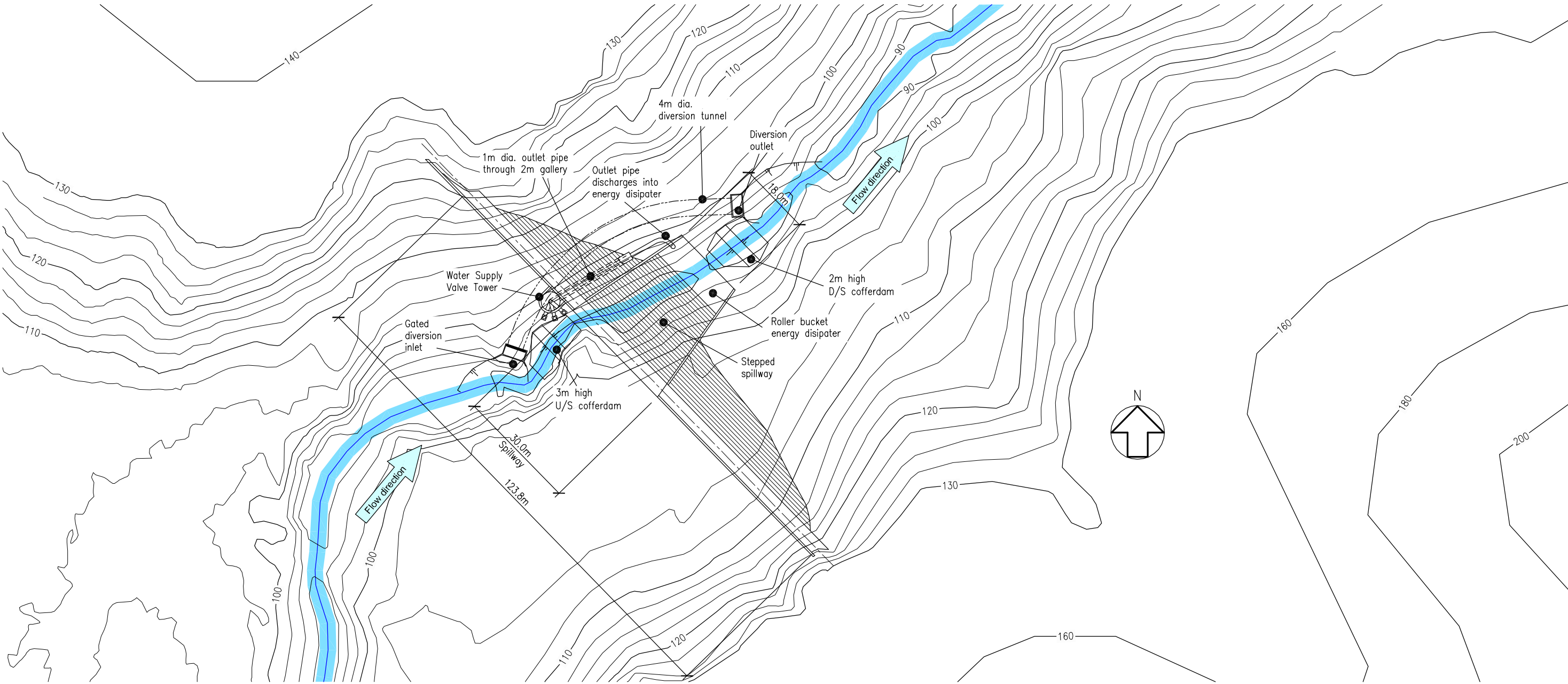
20 May 2010 4:18pm



SPILLWAY CROSS SECTION

WATER SUPPLY CROSS SECTION

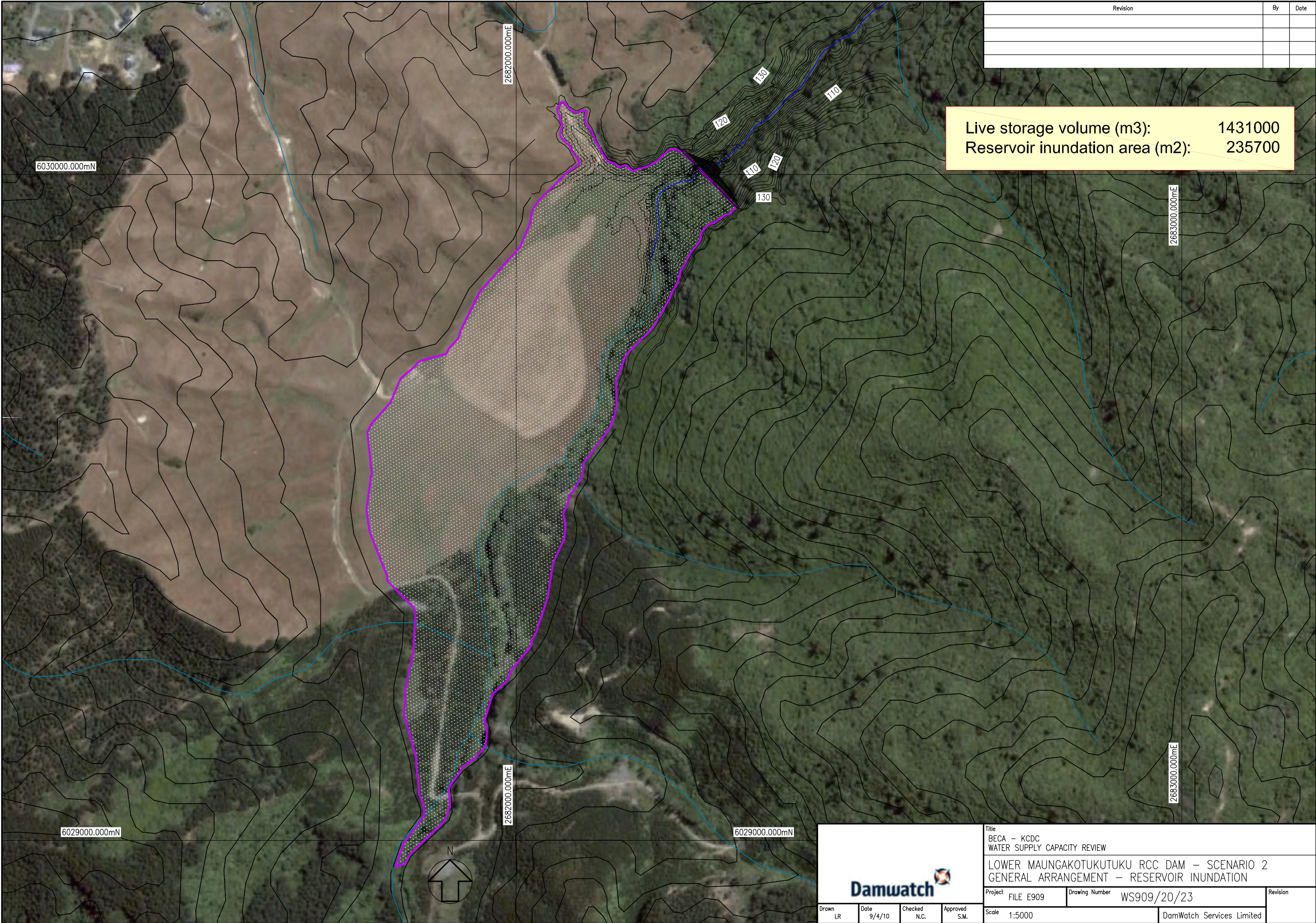
Live storage volume (m3): 1931000
Reservoir inundation area (m2): 280200



PLAN

Graphic Scales 1:1000 0 10 20 30 40 50 m

				Title BECA – KCDC WATER SUPPLY CAPACITY REVIEW	
				LOWER MAUNGAKOTUKUTUKU RCC DAM – SCENARIO 1 GENERAL ARRANGEMENT – PLAN AND TYPICAL SECTIONS	
Drawn LR	Date 3/10	Checked N.C.	Approved S.M.	Project FILE E909	Drawing Number WS909/20/22
Scale 1:1000				Revision DamWatch Services Limited	



Revision	By	Date

Live storage volume (m3): 1431000
Reservoir inundation area (m2): 235700

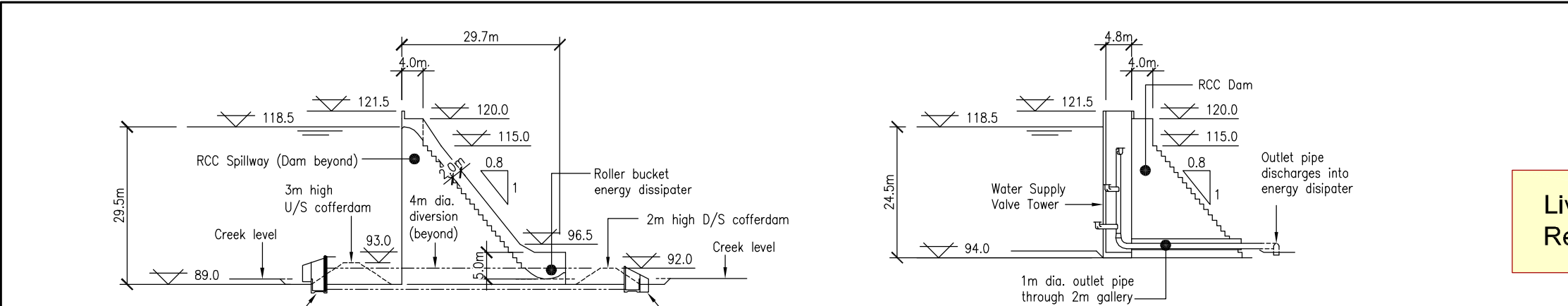
20 May 2010 4:18pm

Graphic Scales 1:5000 0 40 80 120 160 200 240 m

				Title BECA – KCDC WATER SUPPLY CAPACITY REVIEW	
				LOWER MAUNGAKOTUKUTUKU RCC DAM – SCENARIO 2 GENERAL ARRANGEMENT – RESERVOIR INUNDATION	
Project	FILE E909	Drawing Number	WS909/20/23		Revision
Scale	1:5000		DamWatch Services Limited		
Drawn	LR	Date	9/4/10	Checked	N.C.
Approved	S.M.				

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100
50
10 mm
0

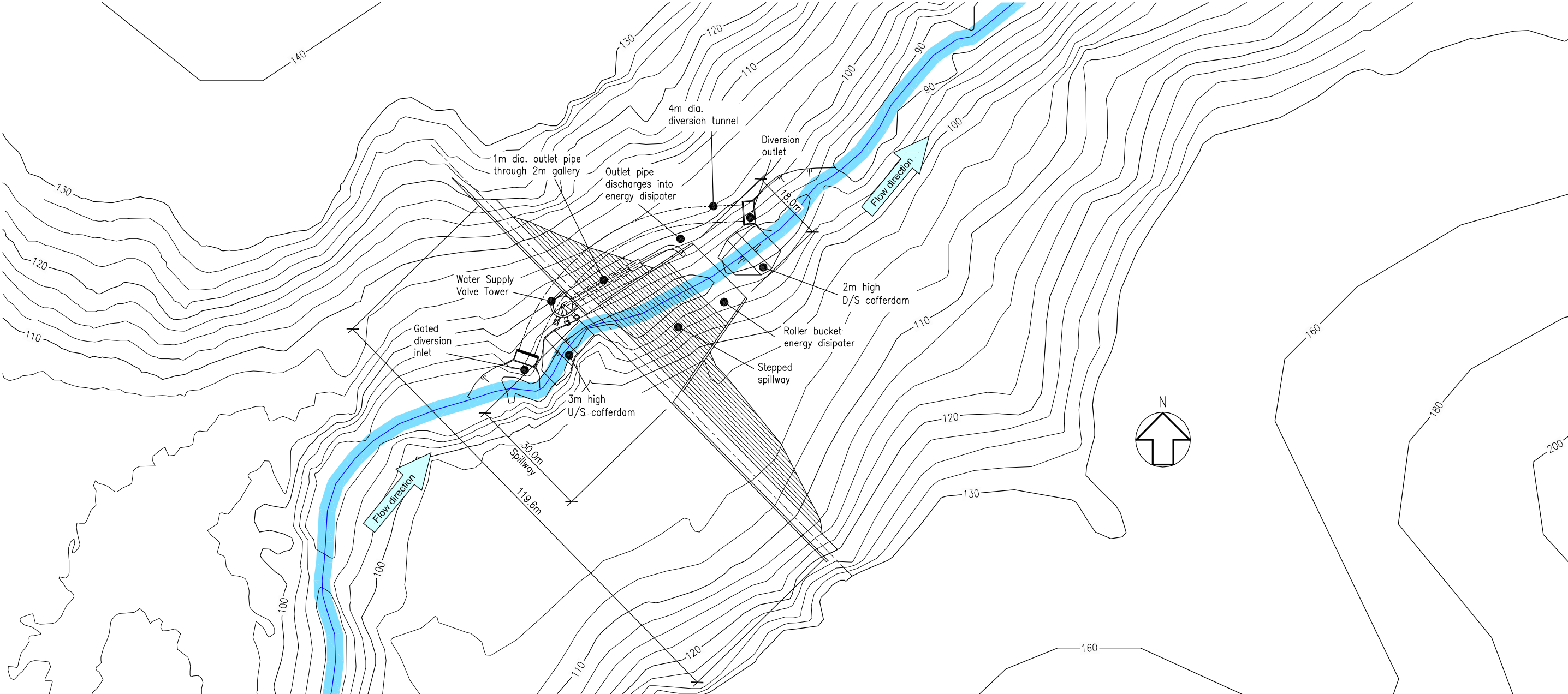
20 May 2010 4:21pm



SPILLWAY CROSS SECTION

WATER SUPPLY CROSS SECTION

Live storage volume (m3): 1431000
Reservoir inundation area (m2): 235700

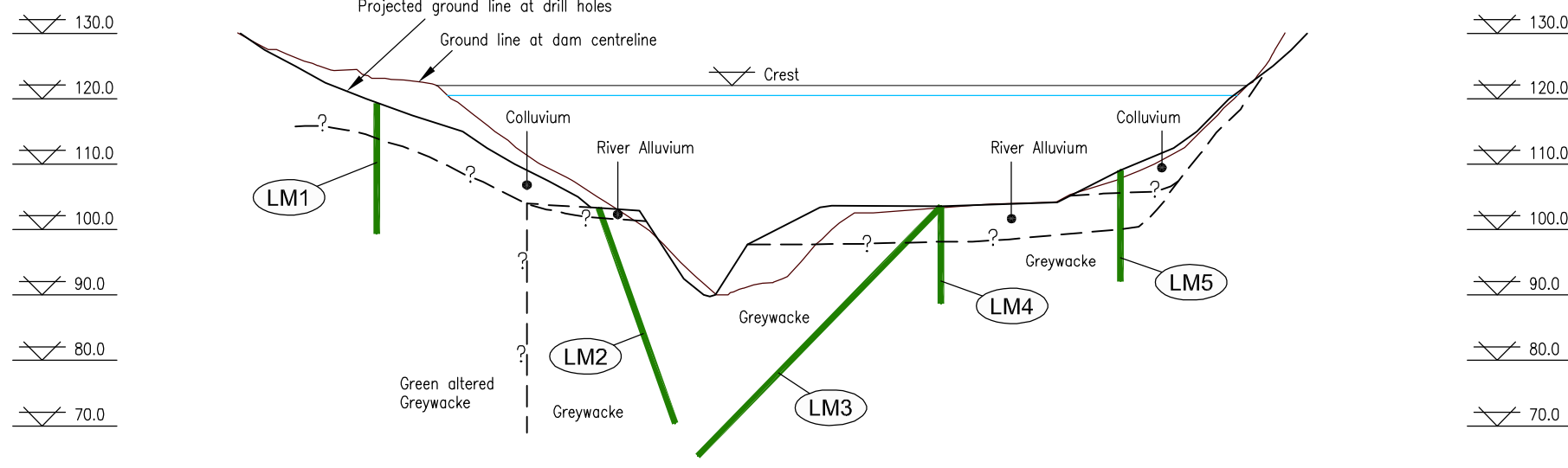


PLAN

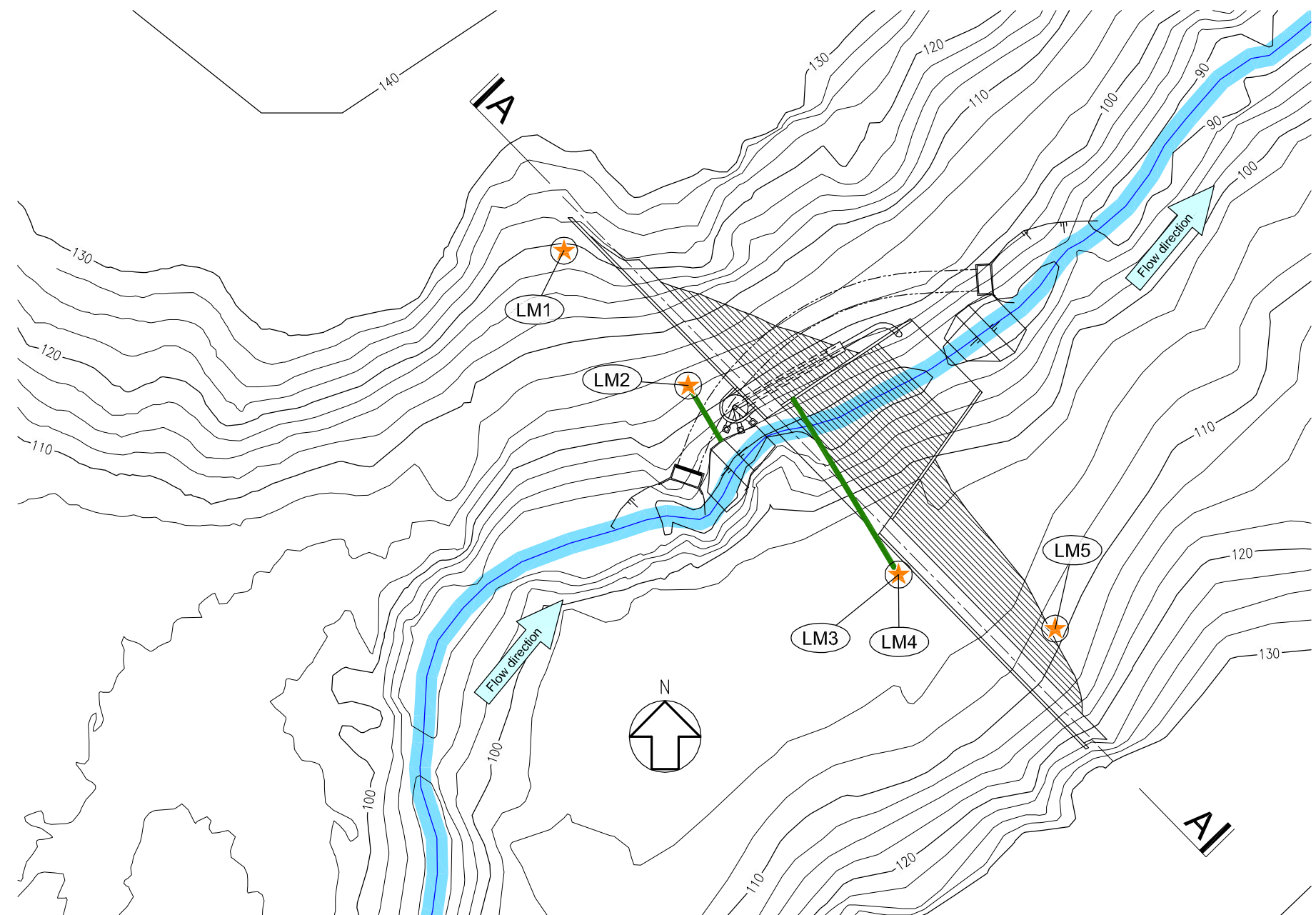
Graphic Scales 1:1000 0 10 20 30 40 50 m

	Title BECA – KCDC WATER SUPPLY CAPACITY REVIEW		
	LOWER MAUNGAKOTUKUTUKU RCC DAM – SCENARIO 2 GENERAL ARRANGEMENT – PLAN AND TYPICAL SECTIONS		
Project	FILE E909	Drawing Number	WS909/20/24
Scale	1:1000	DamWatch Services Limited	
Drawn	Date	Checked	Approved
LR	9/4/10	N.C.	S.M.

200 mm
100
50
10 mm
0
16 July 2010 4:23pm



CONCEPTUAL GEOLOGICAL SECTION A-A (LOOKING DOWNSTREAM)



PLAN

Revision	By	Date
R2 POSITION OF LM3 ALTERED	S.M.	10/5/10
R3 INCLINATION OF LM2 ALLOWED	N.C.	27/5/10
R4 ASBUILT FROM FIELD GPS PRIOR TO SURVEYING	A.K.	15/7/10

NOTES:

1. Top of drillhole Northings and Eastings based on hand held GPS with error range of the order of ± 10 m. Actual co-ordinates are subject to surveying.
2. Top of drillhole levels (and subsequently bottom of hole levels) are based on topographical contours. Actual levels are subject to survey.

Name:	LM1
Northing:	6030040.000m N
Easting:	2682237.000m E
Bearing:	Vertical
RL Top of hole:	119.327m
Dip:	90.0d
True Length:	20.00m
RL Btm of hole:	99.327m

Name:	LM2
Northing:	6030015.000m N
Easting:	2682260.000m E
Bearing:	149.0d
RL Top of hole:	103.331m
Dip:	70.0d
True Length:	35.09m
RL Btm of hole:	70.361m

Name:	LM3
Northing:	6029980.000m N
Easting:	2682299.000m E
Bearing:	329.0d
RL Top of hole:	103.602m
Dip:	45.0d
True Length:	54.03m
RL Btm of hole:	65.397m

Name:	LM4
Northing:	6029980.000m N
Easting:	2682299.000m E
Bearing:	Vertical
RL Top of hole:	103.602m
Dip:	90.0d
True Length:	14.93m
RL Btm of hole:	88.672m

Name:	LM5
Northing:	6029970.000m N
Easting:	2682328.000m E
Bearing:	Vertical
RL Top of hole:	109.115m
Dip:	90.0d
True Length:	17.02m
RL Btm of hole:	92.095m



Title

BECA – KCDC
WATER SUPPLY CAPACITY REVIEW

Project

FILE E909

Drawing Number

WS909/20/25

Revision

R4

Drawn

LR

Date

4/10

Checked

N.C.

Approved

S.M.

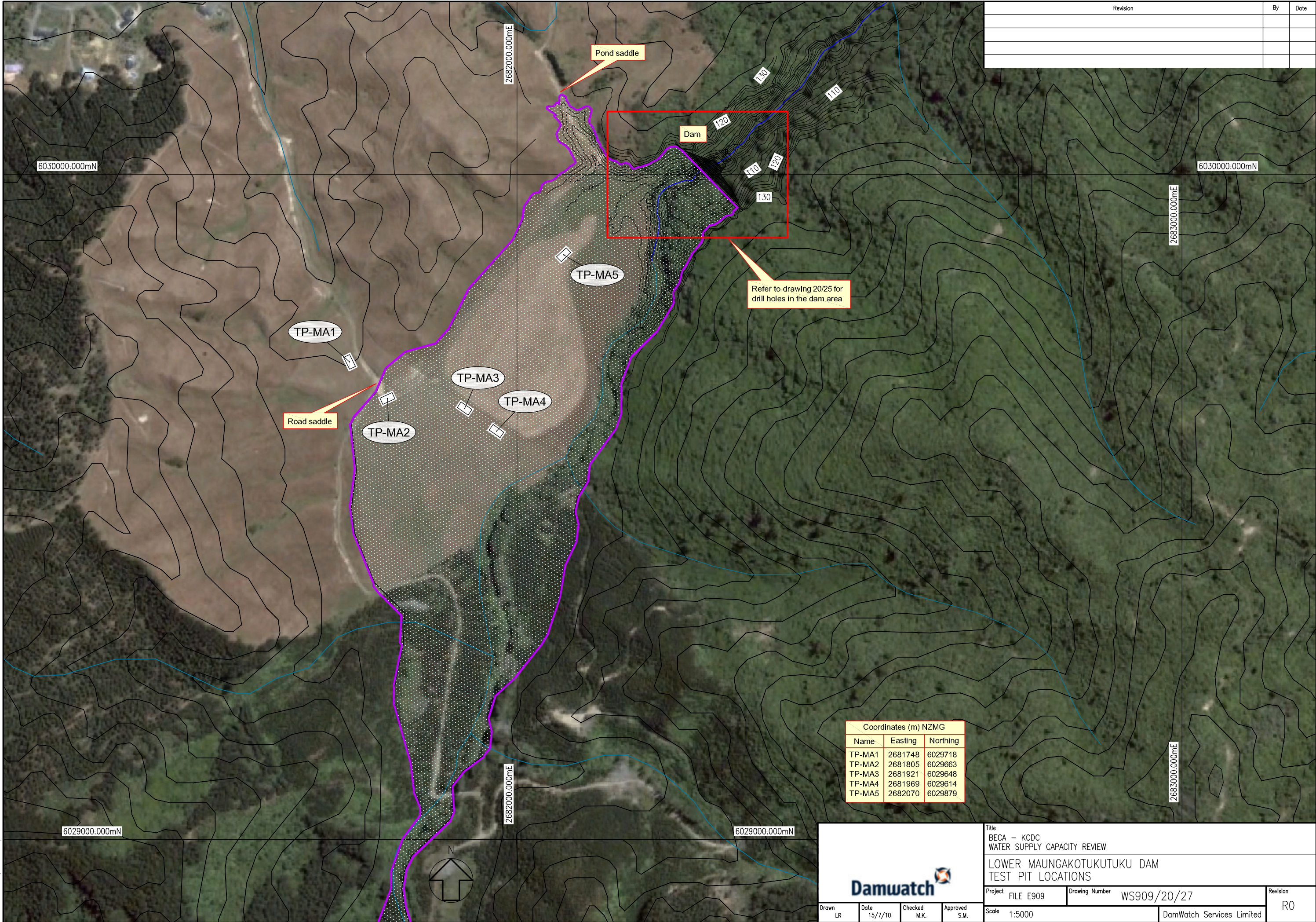
Scale

1:1000

DamWatch Services Limited

ws909_base.dwg (20_25)

Original Sheet Size A3 (420x297)



Revision	By	Date

Name	Easting	Northing
TP-MA1	2681748	6029718
TP-MA2	2681805	6029663
TP-MA3	2681921	6029648
TP-MA4	2681969	6029614
TP-MA5	2682070	6029879



Title
BECA – KCDC
WATER SUPPLY CAPACITY REVIEW

LOWER MAUNGAKOTUKUTUKU DAM
TEST PIT LOCATIONS

Project FILE E909	Drawing Number WS909/20/27	Revision R0
Scale 1:5000	DamWatch Services Limited	