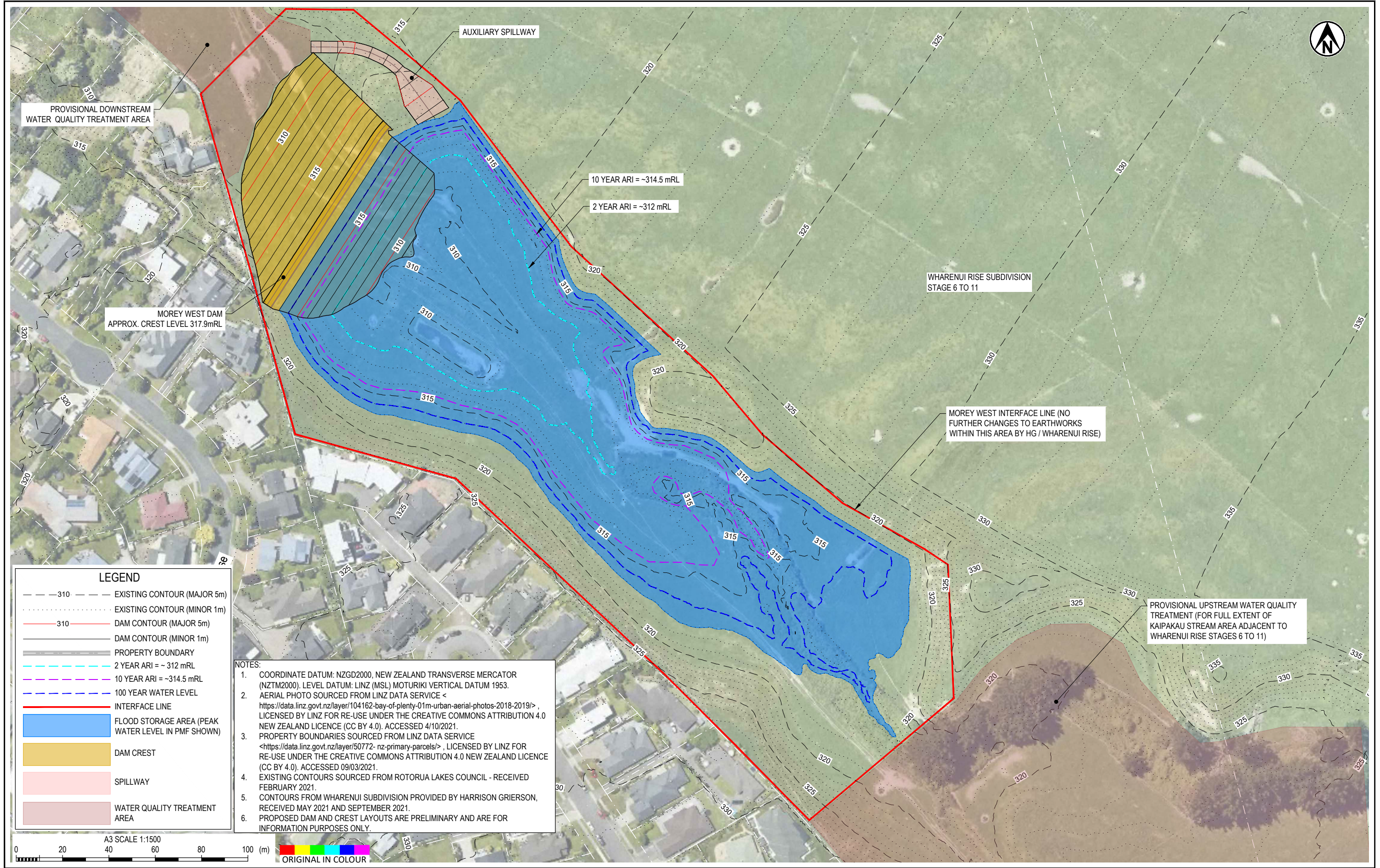




PROJECT No. 1010988.3000		
DESIGNED	DAF	Oct.21
DRAWN	IARA	Oct.21
CHECKED	DAF	Oct.21
PRELIMINARY DRAFT		
APPROVED	DATE	

CLIENT	ROTORUA LAKES COUNCIL		
PROJECT	RLC STORMWATER INFRASTRUCTURE - STAGE 2		
TITLE	MOREY WEST DAM DOWNSTREAM AREA		
SCALE (A3)	1:1500	FIG No.	1010988.3000-DAM-F01
REV	1		



LEGEND

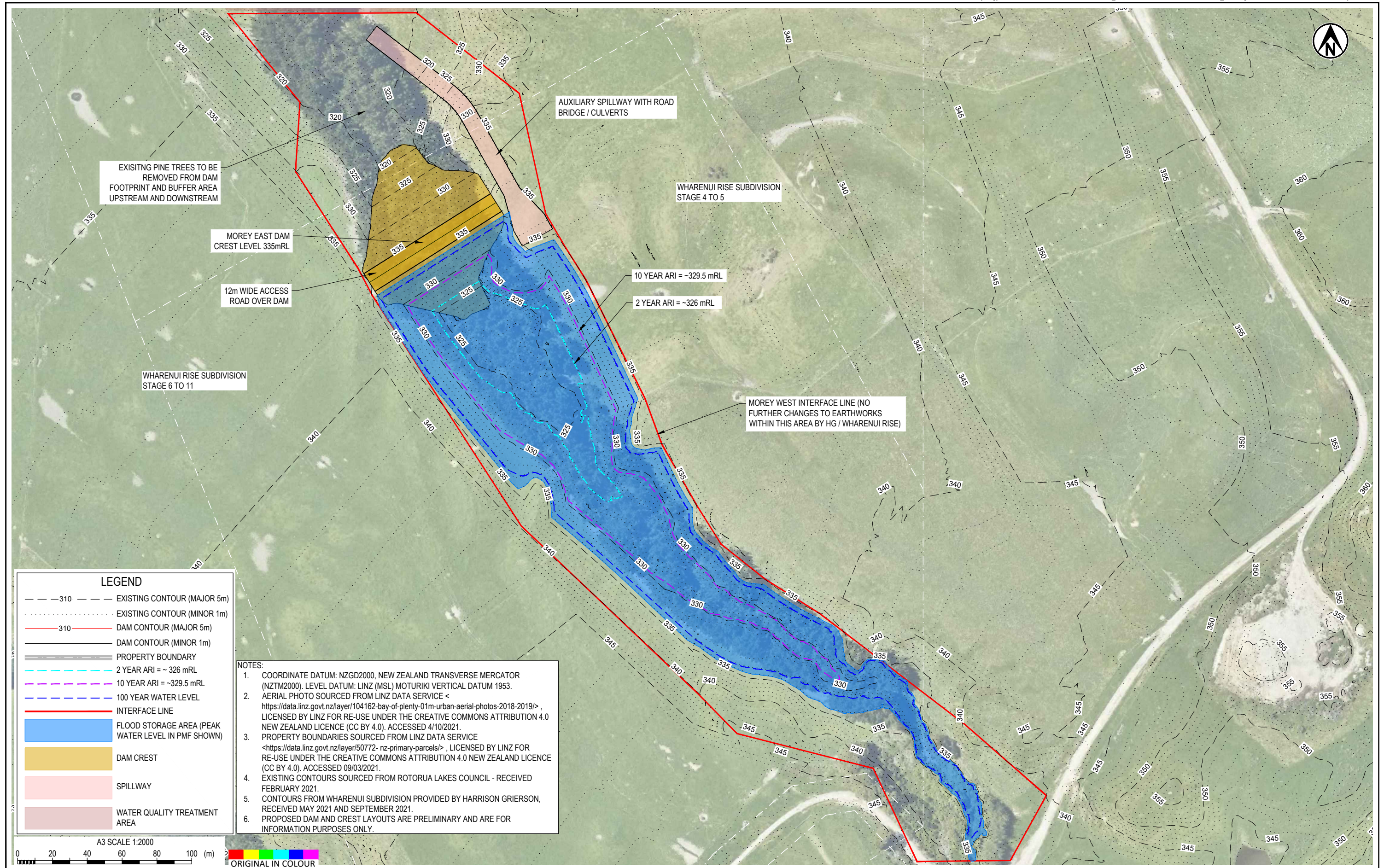
- 310 --- EXISTING CONTOUR (MAJOR 5m)
- EXISTING CONTOUR (MINOR 1m)
- 310 --- DAM CONTOUR (MAJOR 5m)
- DAM CONTOUR (MINOR 1m)
- PROPERTY BOUNDARY
- 2 YEAR ARI = -312 mRL
- 10 YEAR ARI = -314.5 mRL
- 100 YEAR WATER LEVEL
- INTERFACE LINE
- █ FLOOD STORAGE AREA (PEAK WATER LEVEL IN PMF SHOWN)
- █ DAM CREST
- █ SPILLWAY
- █ WATER QUALITY TREATMENT AREA

NOTES:

- COORDINATE DATUM: NZGD2000, NEW ZEALAND TRANSVERSE MERCATOR (NZTM2000). LEVEL DATUM: LINZ (MSL) MOTURIKI VERTICAL DATUM 1953.
- AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE <<https://data.linz.govt.nz/layer/104162-bay-of-plenty-01m-urban-aerial-photos-2018-2019/>>, LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 4/10/2021.
- PROPERTY BOUNDARIES SOURCED FROM LINZ DATA SERVICE <<https://data.linz.govt.nz/layer/50772-nz-primary-parcels/>>, LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 09/03/2021.
- EXISTING CONTOURS SOURCED FROM ROTORUA LAKES COUNCIL - RECEIVED FEBRUARY 2021.
- CONTOURS FROM WHARENUI SUBDIVISION PROVIDED BY HARRISON GRIERSON, RECEIVED MAY 2021 AND SEPTEMBER 2021.
- PROPOSED DAM AND CREST LAYOUTS ARE PRELIMINARY AND ARE FOR INFORMATION PURPOSES ONLY.



PROJECT No. 1010988.3000		CLIENT ROTORUA LAKES COUNCIL
DESIGNED DAF Oct.21	DRAWN IARA Oct.21	PROJECT RLC STORMWATER INFRASTRUCTURE - STAGE 2
CHECKED DAF Oct.21		TITLE MOREY WEST DAM DAM AND RESERVOIR AREA
PRELIMINARY DRAFT		SCALE (A3) 1:1500
APPROVED	DATE	FIG No. 1010988.3000-DAM-F02 REV 1



EXISTING PINE TREES TO BE REMOVED FROM DAM FOOTPRINT AND BUFFER AREA UPSTREAM AND DOWNSTREAM

MOREY EAST DAM CREST LEVEL 335mRL

12m WIDE ACCESS ROAD OVER DAM

WHARENUI RISE SUBDIVISION STAGE 6 TO 11

AUXILIARY SPILLWAY WITH ROAD BRIDGE / CULVERTS

WHARENUI RISE SUBDIVISION STAGE 4 TO 5

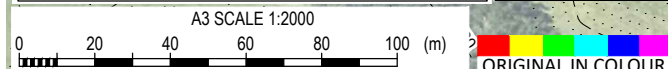
10 YEAR ARI = ~329.5 mRL

2 YEAR ARI = ~326 mRL

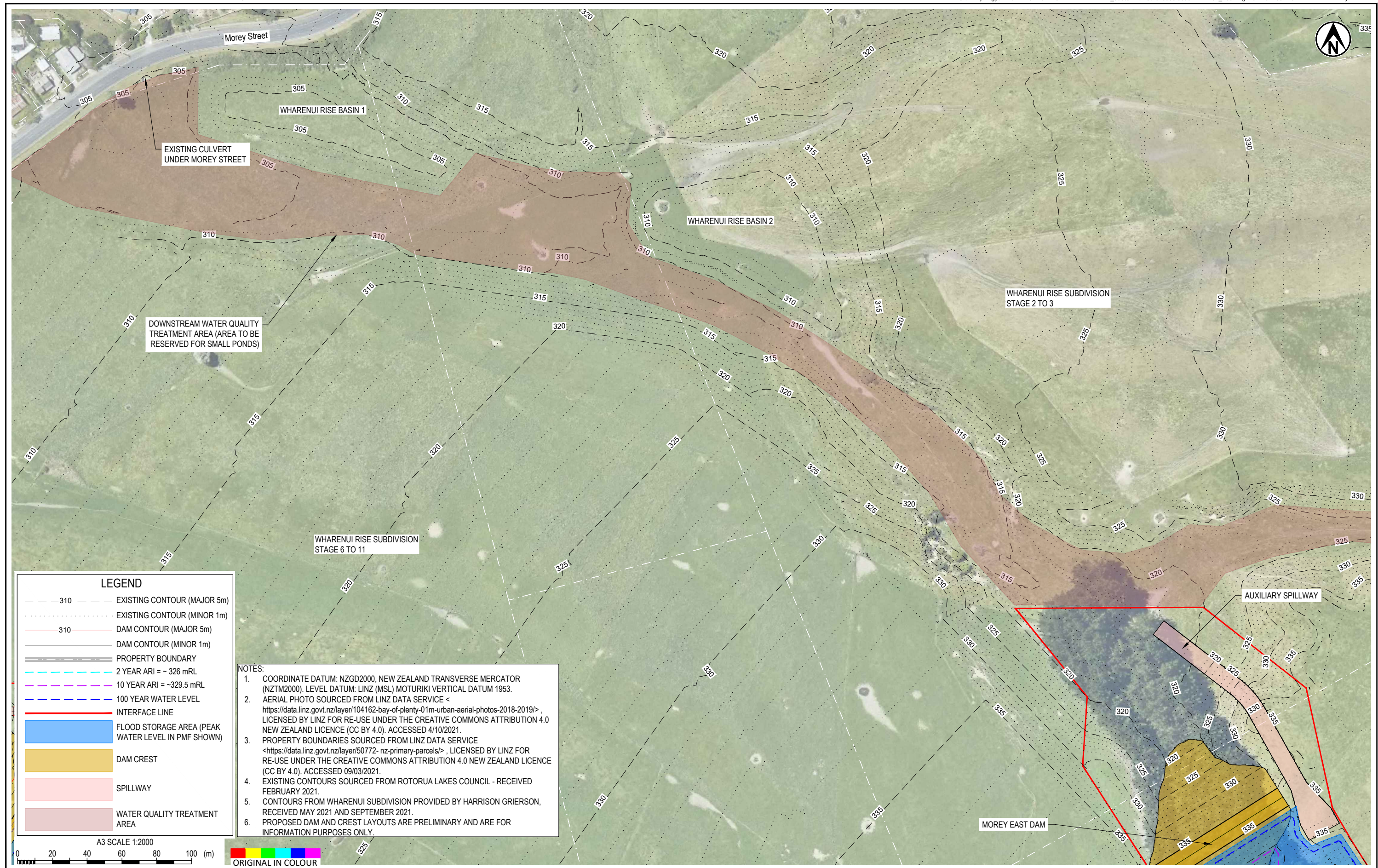
MOREY WEST INTERFACE LINE (NO FURTHER CHANGES TO EARTHWORKS WITHIN THIS AREA BY HG / WHARENUI RISE)

- LEGEND**
- 310 --- EXISTING CONTOUR (MAJOR 5m)
 - 310 --- EXISTING CONTOUR (MINOR 1m)
 - 310 — DAM CONTOUR (MAJOR 5m)
 - 310 — DAM CONTOUR (MINOR 1m)
 - — PROPERTY BOUNDARY
 - 2 YEAR ARI --- 2 YEAR ARI = ~ 326 mRL
 - 10 YEAR ARI --- 10 YEAR ARI = ~329.5 mRL
 - 100 YEAR ARI --- 100 YEAR WATER LEVEL
 - — INTERFACE LINE
 - FLOOD STORAGE AREA (PEAK WATER LEVEL IN PMF SHOWN)
 - DAM CREST
 - SPILLWAY
 - WATER QUALITY TREATMENT AREA

- NOTES:**
- COORDINATE DATUM: NZGD2000, NEW ZEALAND TRANSVERSE MERCATOR (NZTM2000). LEVEL DATUM: LINZ (MSL) MOTURIKI VERTICAL DATUM 1953.
 - AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE <<https://data.linz.govt.nz/layer/104162-bay-of-plenty-01m-urban-aerial-photos-2018-2019/>> LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 4/10/2021.
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PROJECT No. 1010988.3000		CLIENT ROTORUA LAKES COUNCIL
DESIGNED DAF	Oct.21	PROJECT RLC STORMWATER INFRASTRUCTURE - STAGE 2
DRAWN IARA	Oct.21	TITLE MOREY EAST DAM UPSTREAM AREA
CHECKED DAF	Oct.21	SCALE (A3) 1:2000
PRELIMINARY DRAFT		FIG No. 1010988.3000-DAM-F03
APPROVED	DATE	REV 1



PROJECT No. 1010988.3000

DESIGNED	DAF	Oct.21
DRAWN	IARA	Oct.21
CHECKED	DAF	Oct.21

PRELIMINARY DRAFT

APPROVED DATE

CLIENT ROTORUA LAKES COUNCIL

PROJECT RLC STORMWATER INFRASTRUCTURE - STAGE 2

TITLE MOREY EAST DAM
DOWNSTREAM AREA

SCALE (A3) 1:2000

FIG No. 1010988.3000-DAM-F04

REV 1