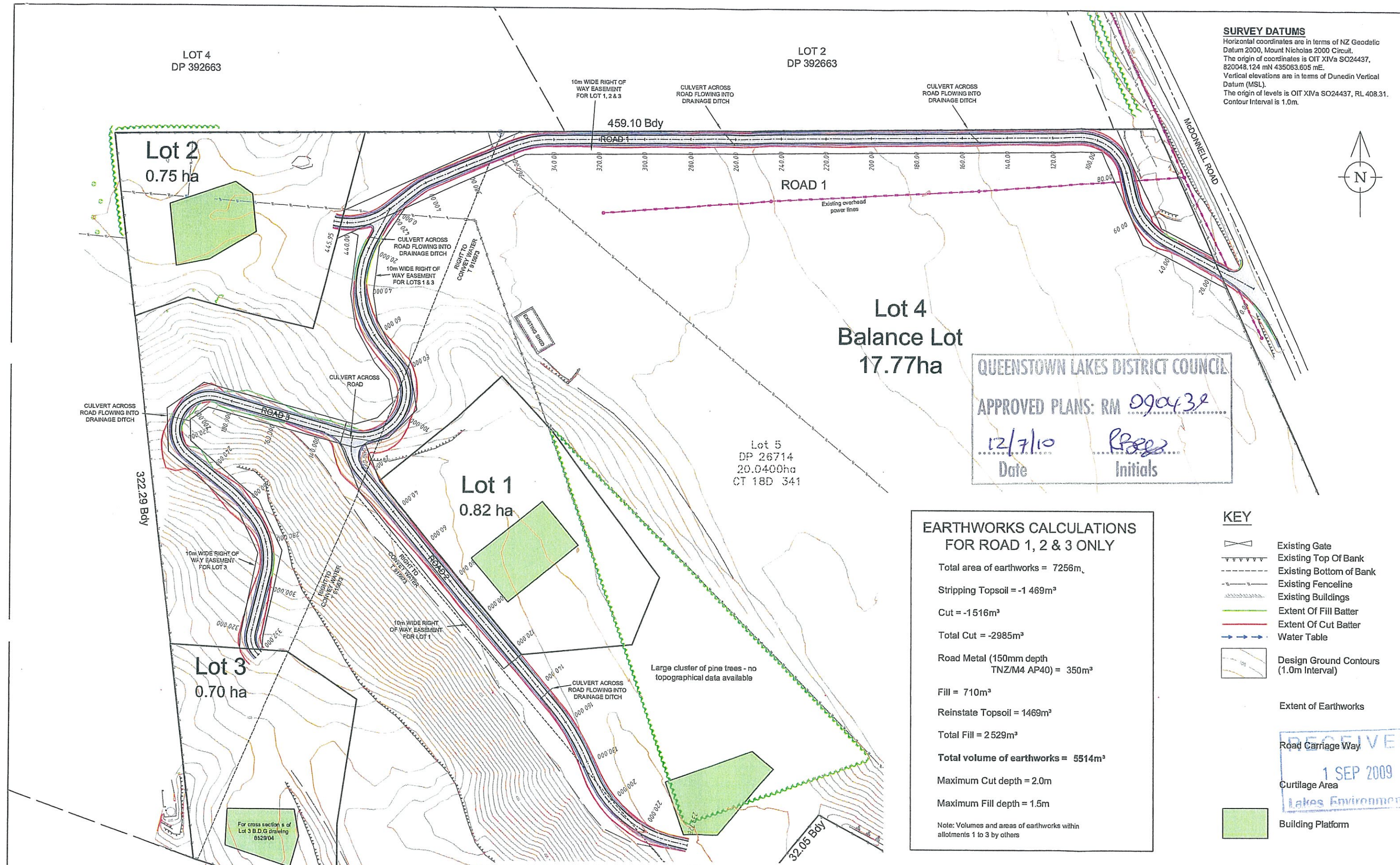
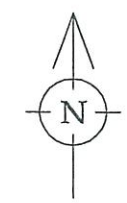


**SURVEY DATUMS**  
 Horizontal coordinates are in terms of NZ Geodetic Datum 2000, Mount Nicholas 2000 Circuit. The origin of coordinates is OIT XIVa SO24437, 820048.124 mN 435063.605 mE. Vertical elevations are in terms of Dunedin Vertical Datum (MSL). The origin of levels is OIT XIVa SO24437, RL 408.31. Contour Interval is 1.0m.



QUEENSTOWN LAKES DISTRICT COUNCIL  
 APPROVED PLANS: RM 090438  
 12/7/10 Date  
 [Signature] Initials

**EARTHWORKS CALCULATIONS FOR ROAD 1, 2 & 3 ONLY**

Total area of earthworks = 7256m<sup>2</sup>  
 Stripping Topsoil = -1 469m<sup>3</sup>  
 Cut = -1516m<sup>3</sup>  
 Total Cut = -2985m<sup>3</sup>  
 Road Metal (150mm depth TNZ/M4 AP40) = 350m<sup>3</sup>  
 Fill = 710m<sup>3</sup>  
 Reinstate Topsoil = 1469m<sup>3</sup>  
 Total Fill = 2529m<sup>3</sup>  
**Total volume of earthworks = 5514m<sup>3</sup>**  
 Maximum Cut depth = 2.0m  
 Maximum Fill depth = 1.5m

Note: Volumes and areas of earthworks within allotments 1 to 3 by others

- KEY**
- Existing Gate
  - Existing Top Of Bank
  - Existing Bottom of Bank
  - Existing Fenceline
  - Existing Buildings
  - Extent Of Fill Batter
  - Extent Of Cut Batter
  - Water Table
  - Design Ground Contours (1.0m Interval)
  - Extent of Earthworks
  - Road Carriage Way
  - Curtilage Area
  - Building Platform

RECEIVED  
 1 SEP 2009  
 Lakes Environment

REV.	DATE	REVISION DETAILS	BY:
F	31-08-09	Lot 4 Platform changed	ADPW
E	08-08-08	Access changed, platform added, amendments	ADPW
D	10-06-08	Road truncated & building platforms moved	BDG
C	27-5-09	Building platforms added	BDG
B	20-5-09	Lot 3 added earthworks re-calculated	BDG
A	2-12-08	Initial release	BDG

**WARNING NOTE:**  
 This plan has been prepared for the client Roger Monk from field survey and existing records for the purpose of a proposed subdivision. It is to read in conjunction with our terms of engagement to Roger Monk. It should not be used by the client company for any other purpose. The plan is not to be relied on by any other person for any purpose whatsoever.

TITLE: **EARTHWORKS FOR PROPOSED ACCESS TO LOTS 1, 2, 3 & PLATFORM LOT 4 McDONNELL ROAD for R MONK**

DATE: 20 May 09  
 BY: Bruce Grant  
 Scale 1: 1500  
 Original Plan A3  
 DRAWING & ISSUE No. 2945.1E.1F

**AURUM**  
 SURVEY CONSULTANTS LTD  
 A person/company using Aurum Survey Consultants drawings and other data accepts the risk of:  
 1. using the drawings and other data in electronic form without requesting and checking them for accuracy against the original hard copy versions;  
 2. using the drawings or other data for any purpose not agreed to in writing by Aurum Survey Consultants.

PO Box 2493  
 Wakatipu 9349  
 Ph 03 442 3466  
 Fax 03 442 3469  
 Email admin@ascl.co.nz

