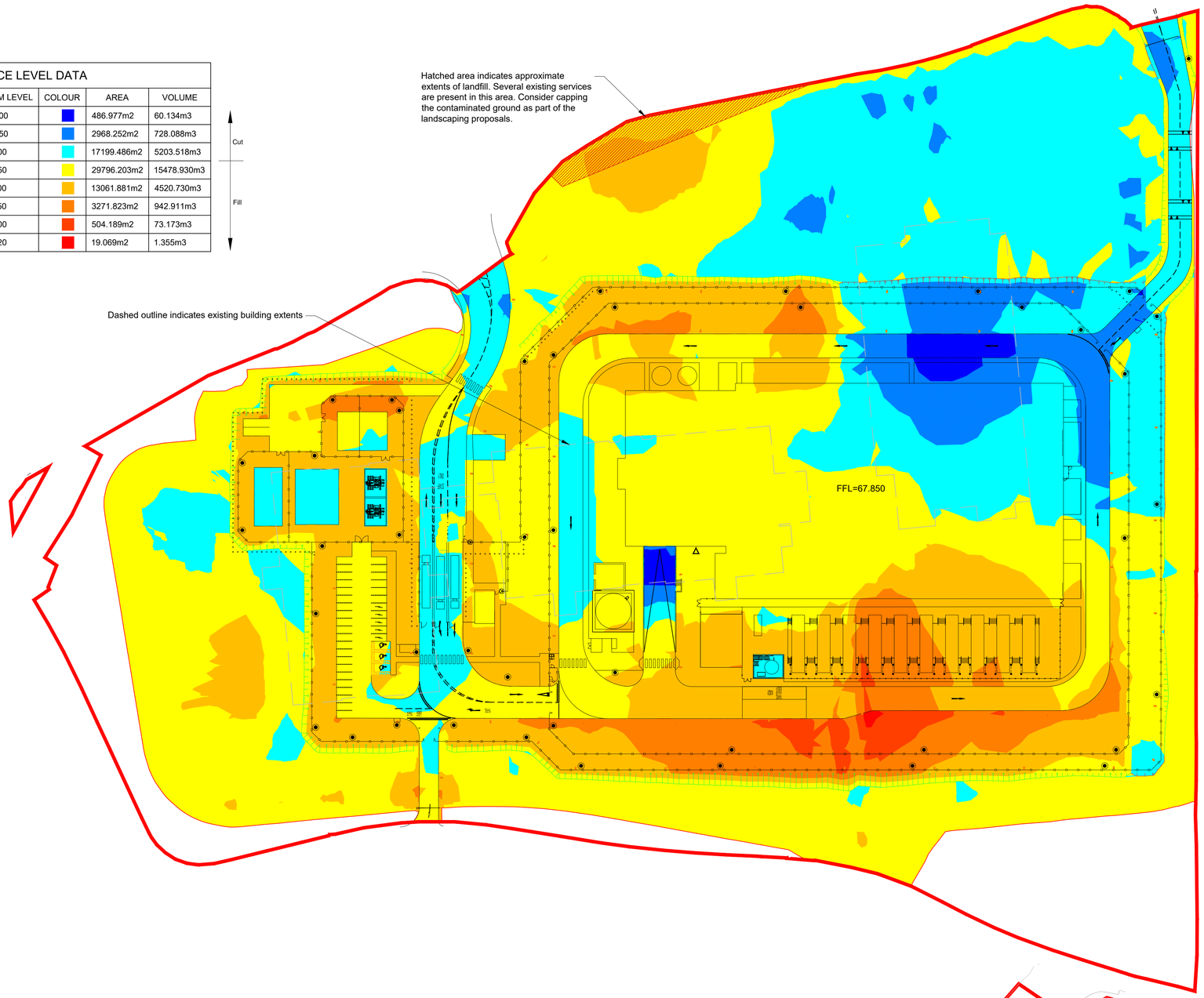
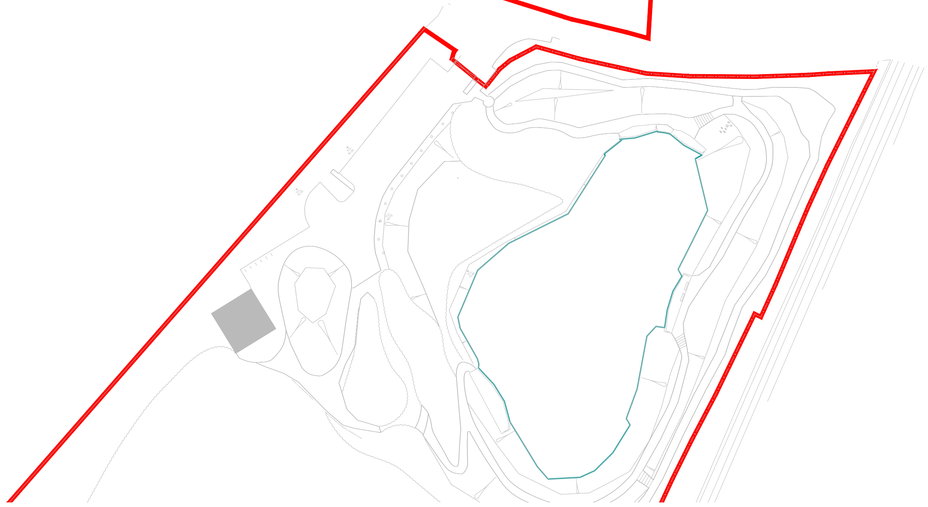
SURFACE LEVEL DATA					
NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR	AREA	VOLUME
1	-1.32	-1.00		486.977m2	60.134m3
2	-1.00	-0.50		2968.252m2	728.088m3
3	-0.50	0.00		17199.486m2	5203.518m3
4	0.00	0.50		29796.203m2	15478.930m3
5	0.50	1.00		13061.881m2	4520.730m3
6	1.00	1.50		3271.823m2	942.911m3
7	1.50	2.00		504.189m2	73.173m3
8	2.00	2.20		19.069m2	1.355m3

Cut

Fill





NOTES

1. This drawing has been prepared in accordance with the scope of RPS's appointment with its client and is subject to the terms and conditions of that appointment. RPS accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.
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3. This drawing should be read in conjunction with all other relevant drawings and specifications.

10m SCALE 1:500

Design Assumptions

1. This drawing is based on Site Vision Surveys Limited Drawing: 0520-ARC-13281 - Topographic Survey.
2. The Cut and Fill analysis on this drawing is based on 'Proposed Levels' referenced on RPS drawing: 20305B-RPS-00-XX-DR-C-9600.
3. The Cut and Fill analysis is based on a general construction depth of:
   Main Building & Piled Structures = 600mm.
   MV Intake Buildings & transformer enclosure = 1000mm..
   Access Roads & Car Park = 450mm.
   Generators & Fuel Tank Pit = 450mm.
4. This analysis assumes that the site is remediated prior to bulk earthworks:
   a) All existing services removed and backfilled.
   b) Existing hard surfaces removed up to an assumed depth of 300mm and material removed from site.
   c) Topsoil for soft landscaping area's stripped to a depth of 300mm excluding area's with existing trees to be retained in accordance with the landscaping proposals.
   d) Existing buildings demolished and concrete foundations and slabs crushed and re-used as part of the bulk earthworks. Volume has been estimated and is to be verified by the contractor on site - see note 5 for volume estimates.
5. A preliminary 300mm site strip has been used in this analysis. Total Volume = 20,250m³ of which approximately 2,000m³ crushed concrete from demolition works to be retained & re-used as sub-base. Approx. 18,250m³ to be removed
6. No bulking factors have been applied to the figures below.
7. Dock height taken as 1.25m.
8. The Following Volumes have been assumed for arising's from foundations, cable routing and drainage:

Drainage	= 1,600m³
Attenuation Tanks	= 850m³
Ducting	= 3,000m³
Ext. Post Bases & Anti Dig Barriers	= 500m³
Foundations	= 8,750m³
Crushed Concrete from Demolition Works	= 2,000m³
Total	= 16,700m³

9. Cut & Fill volumes:

Earthworks Cut	= **5,992m³**
Earthworks Fill	= **21,017m³**
Total Cut	= **22,692m³**
Total Fill	= **21,017m³**
Net (Surplus)	**= 1,675m³**

Rev	Description	By	Ckd	Date
P01	Planning Issue	RB	JDC	17.02.21

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Client

Project: Bracknell Data Centre

Title: Grading Cut & Fill

RPS Project Number	Scale @ A0	Date Created
NK020305B	1:750	17.02.2021
Task Team Manager	**Information Author**	**Task Information Manager**
MRH	MH	JDC

Status: S1 (Suitable for Information)

Document Number: 20305B-RPS-00-XX-DR-C-9620

Revision: P01

Project Code - Originator - Zone - Level - Type - Role - Drawing Number

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