

FIII Volume required (m³)

2936

2688

66018m³

An allowance for a 0.2m topsoil layer has been allowed for in the above volumes

9108 (4125 Marlstone Rock)

51286 (3870 Marlstone Rock)

Area (m²)

12368

13595

11941

109216m²

Total volume of fill material taken from Table 2 = 66018m³

Sports Pitch A

Sports Pitch B

Storage Area 1a 2262

 $66018 - 66018 = 0m^3$

Volume (m³) Swale 1B 5619 1542 Swale 2B Southern Foul Drainage Network 834 7995m³ **Total Volume**

Volume stored in Sports Pitch A 4125 Volume Stored in Leap 3870 Total 7995m³

This contaminated fill has been placed within the Leap and Sports Pitch A with a minimum of 600mm cover.

Topsoil Reuse Volume 24343m³ Topsoil Volume Remaining 0m³ Site won Fill Material 66018m³ 66018m³ Fill Material Reused Contaminated Fill Material 7995m³ 0m³ Fill Material Remaining

It is assumed that any cut material can be reused on site as an engineered fill material. it is likely that material from site will need to be conditioned in terms of their moisture content to ensure they can be adequately compacted within proposed earthworks.

Topsoil strip is as advised by the geotechnical investigation report. (hydrock ref: WPF-HYD-XX-XX-RP-G-1001-P1.4-S2). this suggests topsoil thickness ranging from 0.15m to 0.4m so an average of 0.3m has been assumed.

A CBR value of 2.5% has been used for spine road design purposes as advised in the geotechnical investigation report (wpf-hyd-xx-xx-rp-g-1001-p1.4-s2).

CUT Depth Bands						
Band	1	-0.00 -	-0.20			
Band	2	-0.20 -	-0.40			
Band	3	-0.40 -	-0.60			
Band	4	-0.60 -	-0.80			
	5	-0.80 -	-1.00			
	6	-1.00 -	-1.20			
	7	-1.20 -	-1.40			
	8	-1.40 -	-1.60			
Band	9	-1.60 -	-1.80			
Band	10	-1.80 -				
FILL Depth E	3aı	nds				
Band	1	0.00 -	0.20			
Band	2	0.20 -	0.40			
Band	3	0.40 -	0.60			
Band	4	0.60 -	0.80			
	_	0.00				
Band	5	0.80 -	1.00			
Band		0.80 <i>-</i> 1.00 <i>-</i>				
Band	6		1.20			
Band	6 7	1.00 - 1.20 -	1.20 1.40			
Band Band	6 7 8	1.00 - 1.20 - 1.40 -	1.20 1.40 1.60			
BandBandBandBand	6 7 8 9	1.00 - 1.20 - 1.40 -	1.20 1.40 1.60			

P13	10/04/20	Added isopachytes to allotment area	SM	BS
P12	27/02/20	Adjusted Sports pitch A area and removed storage area 1b	SM	BS
P11	17/10/19	Updated LEAP area and volumes	SM	BS
P10	09/10/19	Removed swale 4a amended topsoil strip volume	SM	BS
P9	30/09/19	Split storage area 1 & removed swale 4A	SM	BS
P8	20/09/19	Cut/fill removed from parcels R1 & R4	SM	BS
P7	14/08/19	Extents of leap and Sports Pitch A updated	SM	BS
P6	01/07/19	Updated LEAP area and southern link rd connections	SM	BS
P5	19/02/19	Adjusted extent of Sports Pitch A earthworks	SM	BS
P4	07/02/19	Parcel R2, R4 & Swales updated	SM	BS
P3	07/08/18	Isopachytes updated	SM	BS
P2	16/04/18	Updated Masterplan Layout to revision Y.	SM	BS
P1	16/08/17	First Issue.	SM	BS
Rev	Date	Description	Ву	Ck
	P12 P11 P10 P9 P8 P7 P6 P5 P4 P3 P2 P1	P12 27/02/20 P11 17/10/19 P10 09/10/19 P9 30/09/19 P8 20/09/19 P7 14/08/19 P6 01/07/19 P5 19/02/19 P4 07/02/19 P3 07/08/18 P2 16/04/18 P1 16/08/17	P12 27/02/20 Adjusted Sports pitch A area and removed storage area 1b P11 17/10/19 Updated LEAP area and volumes P10 09/10/19 Removed swale 4a amended topsoil strip volume P9 30/09/19 Split storage area 1 & removed swale 4A P8 20/09/19 Cut/fill removed from parcels R1 & R4 P7 14/08/19 Extents of leap and Sports Pitch A updated P6 01/07/19 Updated LEAP area and southern link rd connections P5 19/02/19 Adjusted extent of Sports Pitch A earthworks P4 07/02/19 Parcel R2, R4 & Swales updated P3 07/08/18 Updated Masterplan Layout to revision Y. P1 16/08/17 First Issue.	P12 27/02/20 Adjusted Sports pitch A area and removed storage area 1b P11 17/10/19 Updated LEAP area and volumes SM P10 09/10/19 Removed swale 4a amended topsoil strip volume SM P9 30/09/19 Split storage area 1 & removed swale 4A SM P8 20/09/19 Cut/fill removed from parcels R1 & R4 SM P7 14/08/19 Extents of leap and Sports Pitch A updated SM P6 01/07/19 Updated LEAP area and southern link rd connections SM P5 19/02/19 Adjusted extent of Sports Pitch A earthworks SM P4 07/02/19 Parcel R2, R4 & Swales updated SM P3 07/08/18 Isopachytes updated SM P1 16/08/17 First Issue. SM

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L & Q ESTATES

WYKHAM PARK FARM

Hydrock Project No: C-04841

Drawing Title:

PRELIMINARY CUT & FILL **ANALYSIS**

Status:	SO Pui	rpose of Issue:	INFORM	1ATION
Drawn:	Checked: BS	Scale @ A1: As Shown	<u>Drawn Date:</u> 16/08/2017	First Issue: 16/08/2017
Drawing WP		-XX-XX-	DR-C-24(Revision P13

8373

24343m³

5421

2181

24343m³

27913

9014

408707m³

Swales

Total

Allotment