RETAINING WALL
- LENGTH:8.0m
- RETAINED HEIGHT:0.6m (Max.)

RETAINING WALL
- LENGTH:100.0m
- RETAINED HEIGHT:0.6m (Max.)

RETAINING WALL
- LENGTH: 12.0m
- RETAINED HEIGHT:0.45m (Max.)

RETAINING WALL
- LENGTH: 11.0m
- RETAINED HEIGHT:0.4m (Max.)

RETAINING WALL
- LENGTH: 33.5m
- RETAINED HEIGHT:1.2m (Max.)

RETAINING WALL
- LENGTH: 65.5m
- RETAINED HEIGHT:1.1m (Max.)

RETAINING WALL
- LENGTH: 37.0m
- RETAINED HEIGHT:1.6m (Max.)

RETAINING WALL
- LENGTH: 29.0m
- RETAINED HEIGHT:1.5m (Max.)

Crabtree Lane

UNIT 1 UNIT 2 UNIT 3 UNIT 4

SSL/FFL = 84.250

UNIT 5

SSL/FFL = 85.100

UNIT 6 UNIT 7 UNIT 8 UNIT 9

SSL/FFL = 84.600

EXISTING SS

SS

VOLUMES ASSESSMENT

1. THIS DRAWING IS FOR INFORMATION PURPOSES ONLY. VOLUMES STATED ARE APPROXIMATE. CONTRACTOR TO CARRY OUT HIS OWN ANALYSIS FOR ACCURACY. ANY ADJUSTMENTS TO FLOOR LEVELS MUST BE CHECKED AGAINST THE PLANNING APPROVAL

2. VOLUMES EXCLUDE BULKING FACTORS AND ASSUME ALL ARISINGS ARE INERT AND SUITABLE FOR RE-USE AS FILL AND DO NOT NEED MODIFYING OR TREATMENT

3. AREAS:

SITE	9,200m²
BUILDINGS	4,099m²
HARDSTANDING	4,278m²
LANDSCAPING	823m²

4. SURFACES MODELLED

BASE SURFACE = EXISTING POST DEMO TOPOGRAPHICAL SURVEY (GREENHATCH, 47333_T REV 1)
COMPARISON SURFACE = PROPOSED FORMATION LEVELS

COLOURED ELEVATION ISOPACHYTES REPRESENT DIFFERENCE BETWEEN THESE SURFACES

CUT (RED)	1,489m³
FILL (GREEN)	2,369m³
RESULT	880m³ TO FILL

5. SITE WON:

DEMOLITION ARISING	891m³	TYPE 1*
	1,174m³	6F2*
EXCAVATION ARISING**	782m³	GENERAL FILL

*SUBJECT TO GRADING CERTIFICATES
**ATTENUATION 372m³ + FOUNDATIONS 410m³

6. IMPORT:

150mm PART SUBBASE LAYER	366m³	TYPE 1
SURFACE LAYERS ABOVE TYPE-1	1,186m³	

7. SUMMARY:

EXCESS	313m³ 6F2 EXPORT OFFSITE
SITE WON	891m³ TYPE 1 FOR 150mm SUBBASE LAYER
	763m³ 6F2 FOR CAPPING TO EXTERNAL AREAS
	98m³ 6F2 USE AS GENERAL FILL
	782m³ GENERAL FILL TO BALANCE

CONSTRUCTION OF NEW SURFACES ASSUMES A MIN. 2.5% CBR IS ACHIEVED AT FORMATION. USE OF 6F2 CAPPING INCLUDES GEOGRID (REFER TO DWG. 23-026-I&L-G02 EXTERNAL FINISHES)

LEGEND

- SITE BOUNDARY
- PROPOSED RETAINING WALL
- EXISTING WALL

CUT AND FILL BAND			
Number	Elevation Ranges	Elevation Ranges	Color
1	-2.000	-1.500	
2	-1.500	-1.000	
3	-1.000	-0.500	
4	-0.500	0.000	
5	0.000	0.500	
6	0.500	1.000	
7	1.000	1.500	

TENDER RISKS:

1. SITE HAS BEEN CLASSED AS 'MEDIUM' RISK IN RELATION TO HISTORICAL UNEXPLODED ORDINANCE. CONTRACTOR TO ALLOW FOR UXO RISK MANAGEMENT PLAN, ON-SITE SUPPORT & MAGNETOMETER SURVEY IN PILE LOCATION.

2. GROUNDWATER RESTING LEVELS RECORDED BETWEEN 2.20m & 6.48m BGL. ALLOWANCE TO BE MADE FOR DEWATERING MEASURES.

3. EXISTING FOUNDATIONS / OBSTRUCTIONS. WHERE THESE SHOULD BE GRUBBED OUT PRIOR TO CONSTRUCTION.

4. LOOSE SANDS NOTED (REFER TO TRC SI REPORT). FOR EXCAVATIONS ALLOWANCE TO BE MADE FOR BATTERING BACK FACES TO A SAFE ANGLE OF REPOSE OR PROVIDE SHUTTERING.

5. REMNANTS OF DEEP BURIED STRUCTURES.

Rev.	Date	Description	Technician	Reviewer
C1	20.10.25	ISSUED FOR CONSTRUCTION	NM	IL
T4	15.05.25	UPDATED TO SUIT LATEST SITE LAYOUT	MS	IL
T3	20.09.24	UPDATED TO SUIT LATEST SITE LAYOUT	SH	IL
T2	06.06.24	TENDER ADDENDUM - UPDATED WITH POST DEMO SURVEY	SH	IL
T1	26.04.24	TENDER ISSUE	SH	IL
P3	05.04.24	PRE TENDER REVIEW	SH	IL
P2	11.12.23	UPDATED WITH LATEST LAYOUT	RM	GV
P1	08.06.23	PRELIMINARY ISSYE	RM	GV

I&L CONSULTING Ltd
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Project: CRABTREE LANE, CLAYTON

Drawing: EARTHWORKS CUT AND FILL VOLUMES

Drawing Set	Drawing Status	Scale	Project Number	Drawing Number	Revision
GROUNDWORKS	CONSTRUCTION	1:250 @ A1 1:500 @ A3	23-026-I&L	G00	C1