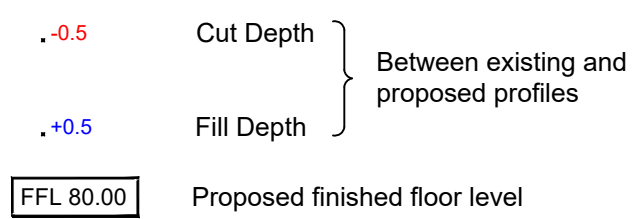




Legend



Note

Contours shown are proposed finished levels at 200mm intervals.

Proposed Volumes to formation

Taken between post site scrape surface (avg. 300mm) and proposed site formation levels (-450 average)

Cut	6,770 m³
Fill	20,720 m³
Net	-13,950 m³

Assumed Construction thicknesses:	
Highway	= 800mm
Footway	= 200mm
Shared Drive	= 300mm
Private Drive	= 330mm
Building	= 400mm
Garage	= 300mm
Garden	= 300mm

This shortfall does not take into account arising (see below)

Arising Calculations:

Surface water sewers/tranchniles	= 1540 cu.m.
Foul water Sewers/tranchniles	= 1090 cu.m.
Private drainage / Services (Assumed 15cu.m per plot)	= 1650 cu.m.
Foundations (estimated) (Assumed 45cu.m per plot)	= 4260 cu.m.
Total	= 8860 cu.m. (estimate)

Overall Cut/Fill Net Value	
Net	-5,090m³

SHORTFALL (Client to advise)

Note: Tendering contractors to make own assessment of quantities.

Notes

- Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
- All sewers shall be constructed in accordance with Design and Construction Guidance (DCG) Standards and United Utilities Details & Guidelines.
- The minimum gravity pipe diameter under adoptable highways shall be 150mm
- It is the responsibility of the Contractor to verify all information given with regards to existing services and drainage connections etc. prior to commencing the works. The rates shall include for hand dig around services where necessary. The Contractor shall adhere to the CDM Regulations at all times
- All materials to bear the relevant B.S. Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement to withstand Class 3 condition (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur).
- All opening notices etc. as required under Highways Acts etc. are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or the Network Operator as applicable.
- Where structured wall UPVC pipes (or similar approved) are used in adoptable drainage they shall be handled and laid in accordance with the manufacturers instructions and will be subject to post installation deformation testing prior to adoption. A Class S Bed and Surround must be used for structured wall pipes
- Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material all in accordance with Design and Construction Guidance (DCG) Standards.
- Slab levels shall not be varied without reference to the Engineer for guidance.
- Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction.

STRATEGY

H	15.03.23	Updated to suit client comment	PW	AJ
G	10.03.23	Lifted up levels east of plot 68 for trim track	PW	AJ
F	08.03.23	Updated to suit client comments	PW	AJ
E	02.03.23	Updated to suit revised planning layout	PW	AJ
D	15.12.22	Updated to suit client comments	PW	AJ
C	05.12.22	Updated to suit revised levels	PW	AJ
B	18.07.22	Updated to suit revised planning layout	PW	AJ
A	23.05.22	Updated to suit revised planning layout	JAR	AJ
Rev.	Date	Revision	By	Appd.



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Chester
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Client



Project

EDGEHILL PARK, CUMBRIA
PHASE 4

Title

Proposed Earthworks

DRAWING NUMBER	SCALE at A0	1:500
7843 / SK05	DATE	10.02.22
	DRAWN	JAR
	CHECKED	AJ
	REVISION	H