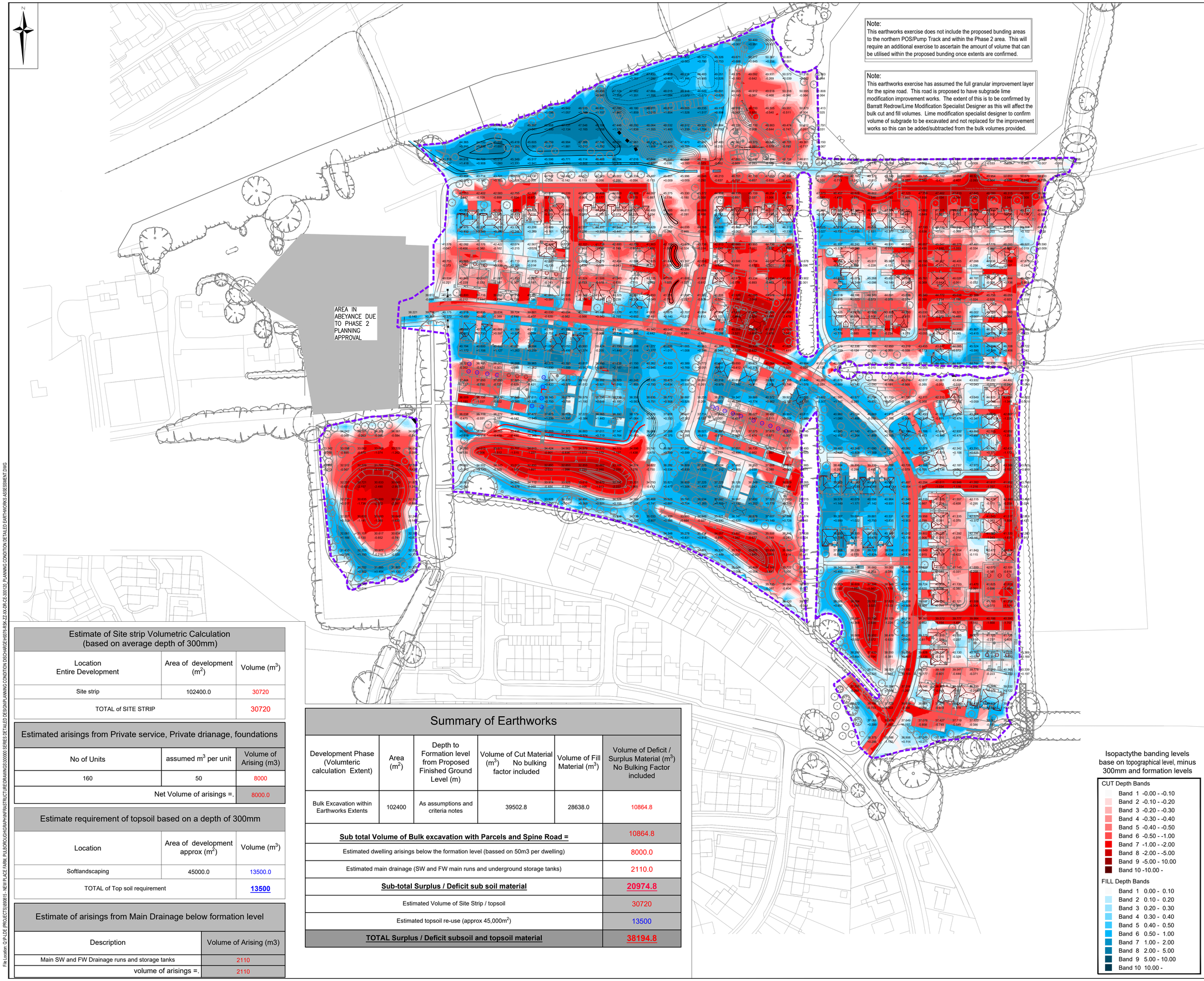

File Location: Q:\PLDE (PROJECTS)\890815 - NEW PLACE FARM, PULBOROUGH\DRAWING\WIP\INSTRUCTIVE\DRAWINGS\00000 SERIES DETAILED DESIGN\PLANNING CONDITION DISCHARGE\H9376-RSK-ZZ-XX-DR-CE-300120_PLANNING CONDITION DETAILED EARTHWORKS ASSESSMENT.DWG

Estimate of Site strip Volumetric Calculation (based on average depth of 300mm)

Location Entire Development	Area of development (m^2)	Volume (m^3)
Site strip	102400.0	30720
TOTAL of SITE STRIP		30720

Estimated arisings from Private service, Private drianage, foundations

No of Units	assumed m^3 per unit	Volume of Arising (m3)
160	50	8000
Net Volume of arisings =.		8000.0

Estimate requirement of topsoil based on a depth of 300mm

Location	Area of development approx (m^2)	Volume (m^3)
Softlandscaping	45000.0	13500.0
TOTAL of Top soil requirement		**13500**

Estimate of arisings from Main Drainage below formation level

Description	Volume of Arising (m3)
Main SW and FW Drainage runs and storage tanks	2110
volume of arisings =.	2110

Summary of Earthworks

Development Phase (Volumteric calculation Extent)	Area (m^2)	Depth to Formation level from Proposed Finished Ground Level (m)	Volume of Cut Material (m^3) No bulking factor included	Volume of Fill Material (m^3)	Volume of Deficit / Surplus Material (m^3) No Bulking Factor included
Bulk Excavation within Earthworks Extents	102400	As assumptions and criteria notes	39502.8	28638.0	10864.8
Sub total Volume of Bulk excavation with Parcels and Spine Road =					10864.8
Estimated dwelling arisings below the formation level (bassed on 50m3 per dwelling)					8000.0
Estimated main drainage (SW and FW main runs and underground storage tanks)					2110.0
Sub-total Surplus / Deficit sub soil material					**20974.8**
Estimated Volume of Site Strip / topsoil					30720
Estimated topsoil re-use (approx 45,000m^2)					13500
TOTAL Surplus / Deficit subsoil and topsoil material					**38194.8**

Isopactythe banding levels base on topographical level, minus 300mm and formation levels

CUT Depth Bands
- Band 1 -0.00 - -0.10
- Band 2 -0.10 - -0.20
- Band 3 -0.20 - -0.30
- Band 4 -0.30 - -0.40
- Band 5 -0.40 - -0.50
- Band 6 -0.50 - -1.00
- Band 7 -1.00 - -2.00
- Band 8 -2.00 - -5.00
- Band 9 -5.00 - 10.00
- Band 10 -10.00 -

FILL Depth Bands
- Band 1 0.00 - 0.10
- Band 2 0.10 - 0.20
- Band 3 0.20 - 0.30
- Band 4 0.30 - 0.40
- Band 5 0.40 - 0.50
- Band 6 0.50 - 1.00
- Band 7 1.00 - 2.00
- Band 8 2.00 - 5.00
- Band 9 5.00 - 10.00
- Band 10 10.00 -

General Notes:

1. Criteria for formation depths below finished levels for Roads, Buildings, and Landscape areas, are as agreed with the Client, and as noted in Criteria / Assumptions notes.
2. Volumes given do not take into account the suitability of materials, to be re-used in any particular area. Consideration will need to be given to the engineering properties to ensure suitability.
3. The volumetric calculations are based on Finished ground levels minus the depth to formation.
4. An average site strip has been assumed (300mm) and removed prior to calculation of earthworks volumetric.
5. The volumetric exercise should only be taken as a estimation. As works progress on site, reassessment of volumes should be carried out. This should take into account, the suitability for re-use of each class of material based on its engineering properties and end location.
6. A logistics plan should be developed to manage the stock piling and reuse of materials to ensure suitable material is available when required and surplus material is removed.
7. No calculation has been assumed for arisings resulting from foundations, private and public drainage, services, utility trenches, tree pits, etc.

Criteria / Assumptions

Topographical Site survey minus 300mm for site wide strip

Formation Levels have been taken as

300mm below finished levels in the Public open space areas.
300mm below finished levels in Garden / Private soft landscape areas.
1460mm below finished levels in Block paving.
1440mm below finished levels Asphalt Highway
600mm below house finished floor levels.
250mm below finished levels Footpath / cycle routes.
300mm below finished levels Public right of way.
240mm below finished levels concrete private paths and patios.

Plot Arisings

50m^3 per plot (160Nr) has been assumed for arisings resulting from private services, private drainage and foundations.

Main drainage trench widths have been taken as 750mm for SW and FW.

Exclusions

No calculation has been allowed for main utility tranches, landscaping, tree pits, etc

Legend
- Extent of earthworks calculation boundary (main site)
- 34.850 Site strip level (Topo - 300mm)
- \+ 35.250 formation level
- 0.400 difference between the above levels

Rev.	Date	Amendment	Drawn	Chkd.	Appd.
P02	06.10.2026	Updated to Planning Comments	YP	AM	-
P01	30.09.2026	Updated to Planning Comments	YP	AM	-
T01	17.08.2026	Issued for TENDER	JON	AM	RD

LDE
CIVILS | STRUCTURES | HYDROLOGY
an RSK company
Abbey Park
Humber Road
Coventry
CV3 4AQ
United Kingdom
Tel: +44 (0) 24 7650 5600
Fax: +44 (0) 24 7650 1417
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client: Barratt Redrow

Project Title
NEW PLACE FARM
PULBOROUGH
WEST SUSSEX

Status: PRELIMINARY

Drawing Title
DETAILED
EARTHWORKS ASSESSMENT

Drawn	Date	Checked	Date	Approved	Date
JON	Dec 24	GXA	Dec 24	RD	Dec 24

Scale	Orig Size	Dimensions
1:1,000	A1	m

Project No. H9376 (890815)
Drawing File: H9376-RSK-ZZ-XX-DR-CE-300120_Planning Condition Detailed Earthworks Assessment.dwg

Drawing No.

Project	Orig.	Vol./Sys.	Lev./Loc.	Type	Role	Draw. No.	Rev.
H9376	RSK	XX	XX	DR	C	300120	P02

Scale 1:1000
0 10 20 30 40 50m