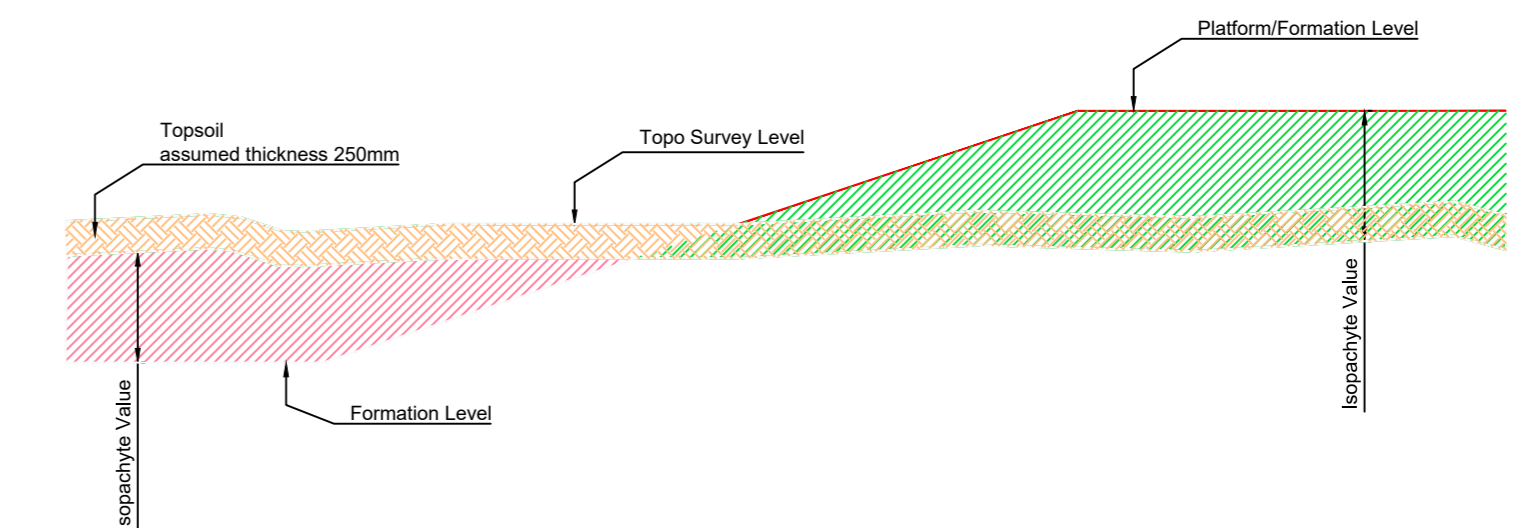


KEY

- Major (1.00m) Isopachyte - Cut
- Minor (0.25m) Isopachyte - Cut
- Zero Cut/Fill Isopachyte
- Minor (0.25m) Isopachyte - Fill
- Major (1.00m) Isopachyte - Fill

The isopachytes (contours) shown on this drawing illustrate the design depths of cut and fill on the enabling earthworks. Shades of red are areas of cut. Shades of green are areas of fill.



NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - DO NOT SCALE THIS DRAWING. ALL DETAILS AND DIMENSIONS ARE TO BE CHECKED BY THE CONTRACTOR. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
 - ALL DIMENSIONS ARE IN METRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS SHOWN OTHERWISE.
- THE PROPOSED SITE LEVELS ARE SHOWN ON DRAWING C1442-201

EARTHWORKS ANALYSIS NOTES

EARTHWORKS CALCULATIONS SHOWN IN VOLUME SUMMARY TABLE ARE BASED ON A COMPARISON OF THE FOLLOWING DATA SOURCES:

- EXISTING SITE TOPOGRAPHICAL SURVEY UNDERTAKEN BY SURVEY OPERATIONS DATED JANUARY 2021.
- PROPOSED PRELIMINARY LEVELS BY SGI AND IS SUBJECT TO CHANGE DURING DESIGN DEVELOPMENT. THE RESULTS SHOWN IN VOLUME SUMMARY TABLE DO NOT ACCOUNT FOR THE FOLLOWING:
 - PROPOSED PAVEMENT CONSTRUCTION
 - ARISING
 - BULKING FACTORS
 - DRAINAGE
 - FOUNDATIONS
 - TEMPORARY STRUCTURES

THE DESIGN SHOWN IS BASED ON THE FOLLOWING ASSUMPTIONS:

- ALL EARTH ACCOUNTED FOR IN THE CALCULATIONS IS OF REUSABLE QUALITY.

SITE STRIP REMOVAL

- SITE STRIP FIGURES GIVEN IN VOLUME SUMMARY TABLE ARE BASED ON A COMPARISON OF THE EXISTING TOPOGRAPHICAL SURVEY AND A TOPOGRAPHICAL SURVEY SURFACE REDUCED BY AN ASSUMED SITE STRIP DEPTH OF 50mm.
- THE TOTAL VOLUME OF TOP SOIL TO BE REMOVED IS 7321 m³.
- IT IS ASSUMED THIS VOLUME OF EARTH IS TO BE REMOVED FROM SITE AND IS NOT ACCOUNTED FOR IN ANY OTHER EARTHWORKS SHOW IN THE VOLUME SUMMARY.

SITE CUT & FILL

- SITE CUT AND FILL FIGURES GIVEN IN THE VOLUME SUMMARY TABLE ARE BASED ON A COMPARISON OF THE SITE STRIP SURFACE MENTIONED ABOVE AND THE ASSUMED SITE FORMATION SURFACE OF 450mm.

Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VS - EGL & PGL POND-150	1.000	1.000	3378.035sq.m	8715.177 Cu. M.	0.000 Cu. M.	8715.177 Cu. M.<Cut>
Totals			3378.035sq.m	8715.177 Cu. M.	0.000 Cu. M.	8715.177 Cu. M.<Cut>

Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VS EGL-50 & PGL TEMP-450	1.000	1.000	142460.411sq.m	27402.604 Cu. M.	40422.672 Cu. M.	13020.069 Cu. M.<Fill>
Totals			142460.411sq.m	27402.604 Cu. M.	40422.672 Cu. M.	13020.069 Cu. M.<Fill>

Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VS EGL-50 & EARTHWORKS	1.000	1.000	3440.430sq.m	755.258 Cu. M.	1327.270 Cu. M.	572.012 Cu. M.<Fill>
Totals			3440.430sq.m	755.258 Cu. M.	1327.270 Cu. M.	572.012 Cu. M.<Fill>

TOTAL EARTHWORKS = 4,876m³ FILL

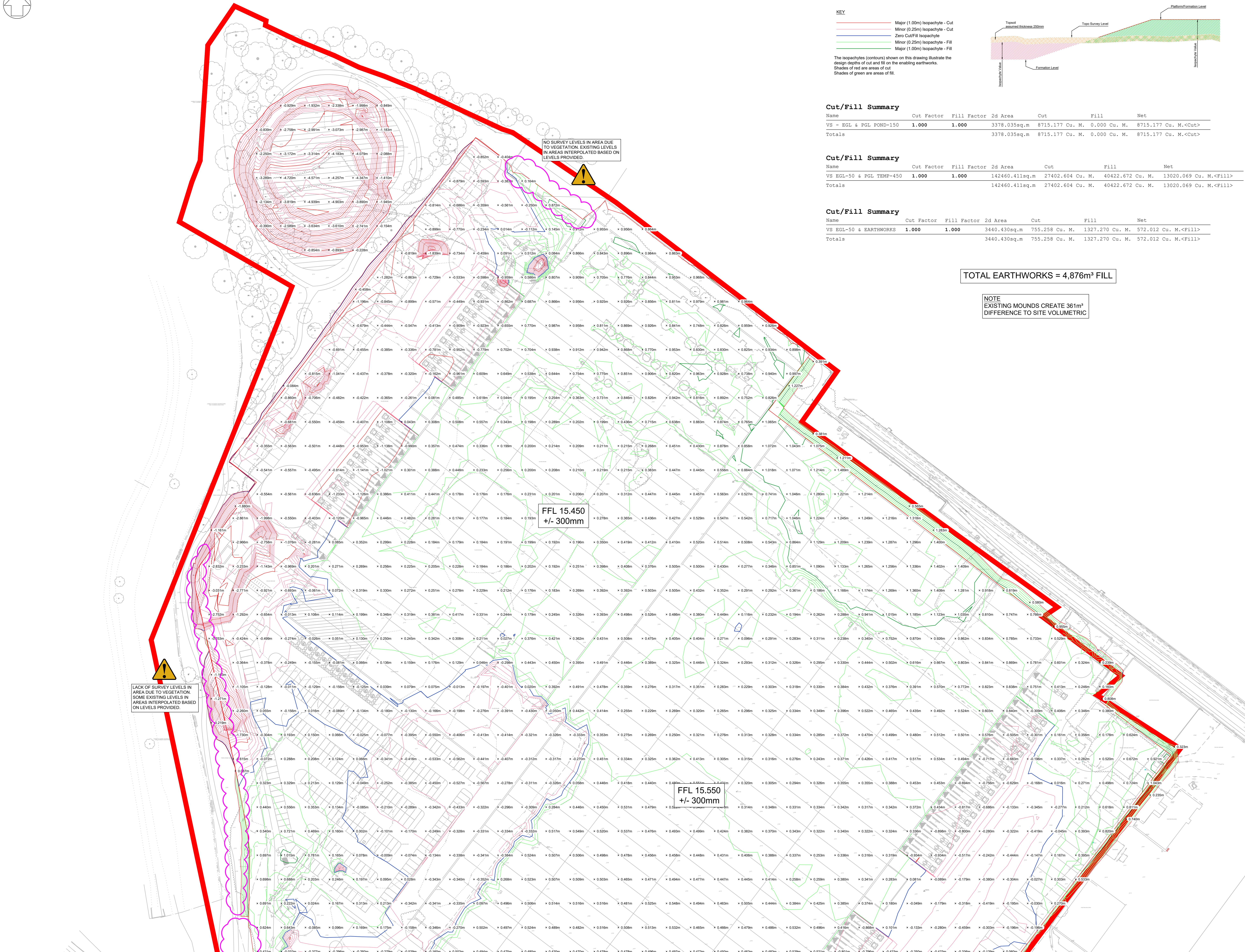
NOTE EXISTING MOUNDS CREATE 361m³ DIFFERENCE TO SITE VOLUMETRIC

LACK OF SURVEY LEVELS IN AREA DUE TO VEGETATION. SOME EXISTING LEVELS IN AREAS INTERPOLATED BASED ON LEVELS PROVIDED.

NO SURVEY LEVELS IN AREA DUE TO VEGETATION. EXISTING LEVELS IN AREAS INTERPOLATED BASED ON LEVELS PROVIDED.

FFL 15.450 +/- 300mm

FFL 15.550 +/- 300mm



Revision	
Project PORT CHESHIRE	
Client PLP Property	
Scale 1:500	Date 08.02.2021
Drawing PROPOSED EARTHWORKS PRELIMINARY ISOPACHYTES SHEET 1 OF 2	
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Drawing No C1442-202.1	Rev P01
Status PRELIMINARY	