



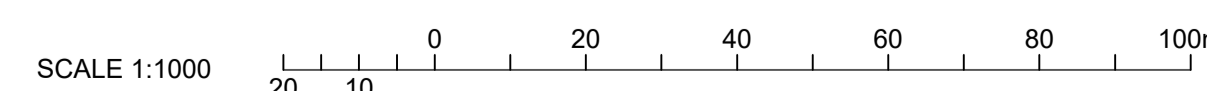
- KEY**
- CUT DEPTH BANDS**
- BAND 1 -0.00 - -0.25
  - BAND 2 -0.25 - -0.50
  - BAND 3 -0.50 - -1.00
  - BAND 4 -1.00 - -1.50
  - BAND 5 -1.50 - -2.00
  - BAND 6 -2.00 - -3.00
- FILL DEPTH BANDS**
- BAND 1 0.00 - 0.25
  - BAND 2 0.25 - 0.50
  - BAND 3 0.50 - 1.00
  - BAND 4 1.00 - 1.50
  - BAND 5 1.50 - 2.00
  - BAND 6 2.00 - 3.00

ISOPACHYTE COMPARES THE PROPOSED FORMATION LEVEL TO THE TOPSOIL STRIPPED EXISTING LEVELS. FOR FURTHER DETAILS REFER TO NOTES.

- NOTES**
1. DO NOT SCALE THIS DRAWING.
  2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS DRAWINGS AND DETAILS.
  3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE. ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
  4. ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
  5. THE CONTRACTOR SHALL CHECK ALL TIE-INS FOR LINE AND LEVEL WITH EXISTING BEFORE COMMENCING ANY WORKS. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IN WRITING, SHOULD ANY ERRORS BE FOUND.
  6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY SERVICE APPARATUS IN THE VICINITY OF THE WORKS. THE CLIENT WILL ACCEPT NO CLAIMS WHATSOEVER IN RESPECT OF ANY LOSSES OR DAMAGE CAUSED IN RESPECT OF SUCH APPARATUS, HOWEVER CAUSED.
  7. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORKS ARE TO THE SATISFACTION OF THE ENGINEER, AND SHALL BE DEEMED TO HAVE INCLUDED WITHIN HIS RATES FOR ANY NECESSARY TESTING.
  8. THIS DESIGN IS TO BUILDING REGULATION REQUIREMENTS.
  9. THE VOLUMETRIC ASSESSMENT AS BEEN UNDERTAKEN USING THE FOLLOWING ASSUMPTIONS:
    - 9.1. 250mm OF TOPSOIL WILL BE STRIPPED FROM THE SITE. BASED ON A SITE AREA OF 82,700 m<sup>2</sup>, THE VOLUME OF TOPSOIL TO BE STRIPPED IS ESTIMATED AT 20,675 m<sup>3</sup>.
    - 9.2. THE CUT/FILL FIGURES ASSUME THAT TOPSOIL HAS ALREADY BEEN REMOVED.
    - 9.3. AN AVERAGE CONSTRUCTION BUILD-UP (BELOW BUILDINGS, ROADS AND HARD STANDINGS) OF 700 mm HAS BEEN ASSUMED. THIS MATERIAL IS ASSUMED TO BE IMPORTED AND DOES NOT FORM PART OF THE CUT/FILL. A FORMATION LEVEL, 700 mm BELOW THE PROPOSED FINISH LEVEL HAS BEEN USED AS A BASIS FOR THE CUT/FILL ASSESSMENT.
    - 9.4. NO ALLOWANCE HAS BEEN MADE WITHIN THE CUT/FILL ASSESSMENT FOR ARISING FROM SERVICES, DRAINAGE OR SW ATTENUATION.
    - 9.5. SW ATTENUATION TANKS WILL BE REQUIRED. THE VOLUME REQUIRED FOR SW ATTENUATION IS ESTIMATED TO BE 4,800 m<sup>3</sup>. ADDITIONAL ARISING WILL BE EXPECTED.
  10. THE VOLUMETRIC ASSESSMENT RESULTS ARE:
    - 10.1. GROSS CUT: 19,089 m<sup>3</sup>
    - 10.2. GROSS FILL: 25,536 m<sup>3</sup>
    - 10.3. NET RESULT IS A SHORTFALL OF 6,447 m<sup>3</sup>
  11. CONSIDERATION OF ARISING: ALLOWING FOR A CUT OF 4,800 m<sup>3</sup> FROM SW ATTENUATION TANKS, A FURTHER 1,647 m<sup>3</sup> OF ADDITIONAL ARISING CAN BE ACCOMMODATED.
  12. THERE IS SCOPE TO ADJUST SITE LEVELS TO ACCOUNT FOR POSSIBLE VARIATIONS IN CONSTRUCTION THICKNESSES AS THE DETAILED DESIGN PROGRESSES.
  13. PROPOSED FORMATION LEVELS ARE PROVIDED ON DRAWING 18582-DC3-00-DR-D-0603.
  14. PROPOSED FINAL FINISH LEVELS ARE PROVIDED ON DRAWING 18582-DC3-00-DR-D-0601.
  15. TOPOGRAPHICAL LEVELS ARE PROVIDED ON DRAWING 18582-DC3-00-DR-D-0600.

**EARTHWORKS DRAWING LIST**

18582-DC3-00-DR-D-0600	TOPOGRAPHICAL LEVELS
18582-DC3-00-DR-D-0601	PROPOSED FINAL FINISH LEVELS
18582-DC3-00-DR-D-0602	ISOPACHYTE
18582-DC3-00-DR-D-0603	PROPOSED FORMATION LEVELS



FIRST ISSUE	16/12/21	P0
BMS	JPR	MSB
Issue Details	Dwn	Chd
Issue Purpose	PRELIMINARY	

Client

Project

INTEGRA 61  
DC3

Dwg Title

EARTHWORKS  
ISOPACHYTE

Dwg No.	18582-DC3-00-DR-D-0602	Revision	P0
Scale	1:1000	Date	DEC/2021
Drawn	BMS	Checked	JPR
		Approved	MSB

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