

Cut & Fill Balance Verification Checklist

Project Information & Scope

Details about the project and the specific areas/drawings included in this verification.

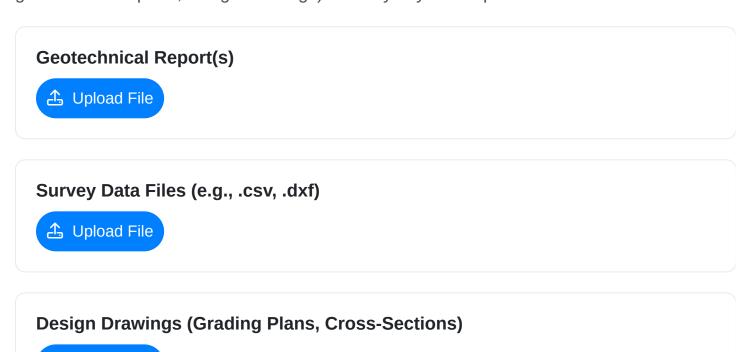
Project Name	
Write something	
Project Number	
Write something	
Date of Verification	
Enter date	
Area Covered (Acres/Hectares)	
Enter a number	
Description of Area Verified (e.g., specific drawings/plans)	
Write something	

Phase of Work Preliminary Design	
Detailed Design	
Construction	
Post-Construction	
Reference Drawings/Plans L Upload File	
Revision Number of Verified Drawings	
Write something	

Data Sources & Assumptions

Upload File

Documentation and clarity around the data used for calculations (survey data, geotechnical reports, design drawings) and any key assumptions made.



Description of Survey Methodology	
Write something	
),
Assumptions Regarding Ground Density & Moisture Content	
Write something	
Jnit Weight of Soil (pcf/kN/m³)	
Enter a number	
Datum Used for Elevations	
NGVD	
NAVD	
Project Specific Datum	
Description of any assumed slopes or grades	
Write something	

Volume Calculations - Cut

Verification of cut volume calculations for each area/section. Includes checks on methodology and accuracy.

Enter a number	
Description of Cut Area/Section	
Write something	
Cut Depth (Maximum)	
Enter a number	
Average Cut Depth	
Enter a number	
Area of Cut (m² or ft²)	
Enter a number	
Calculated Cut Volume (m³ or yd³)	
Enter a number	
Supporting Calculations/Spreadsheets	

Calculation Methodology Used Grid Method Contour Method Cross-Section Method Other	
Volume Calculations - Fill	
Verification of fill volume calculations for each area/section. Includes checks on methodology and accuracy.	l
Area 1 - Fill Volume (CY)	
Enter a number	
Area 2 - Fill Volume (CY)	
Enter a number	
Area 3 - Fill Volume (CY)	
Enter a number	
Methodology Used for Fill Volume Calculation (e.g., Grid Method, Cross sections)	S-
Write something	

Spreadsheet/Calculations Supporting Fill Volume Determination L Upload File
Were Ground Improvements Required for Fill Placement? Yes No
Average Fill Density (PCF)
Enter a number
Details of any adjustments made to fill volumes (e.g., compaction factors) Write something
Cut & Fill Balance Comparison Direct comparison of calculated cut and fill volumes to identify discrepancies and potential
over/under excavation.
Total Calculated Cut Volume (m³) Enter a number
Liner a namber
Total Calculated Fill Volume (m³)
Enter a number

Enter a number	
Percentage Difference ((Net Difference / Total Cut Volume) * 100)	
Enter a number	
Is the Net Difference within acceptable tolerance?	
Yes	
No	
Explanation of any discrepancies exceeding tolerance	
Write something	
).
Are discrepancies documented in the project log?	
Yes	
No	
Attach spreadsheet or calculations supporting the comparison.	

Tolerance & Acceptable Variance

Definition of acceptable variances and tolerances for cut and fill volumes, and evaluation against those limits.

Allowable Overall Cut Volume Variance (±)
Enter a number
Allowable Cut Volume Variance per Section (±)
Enter a number
Allowable Fill Volume Variance per Section (±)
Enter a number
Variance Calculation Method
Percentage Absolute Volume (cubic meters/yards)
Justification for Chosen Variance Limits
Write something
Units of Volume Used for Tolerance
Cubic Meters
Cubic Yards

Explanation of Variance Acce	ptance Criteria
Write something	
ddressing Discrep	pancies & Remedial Actions
	es found, proposed remedial actions, and approvals fo
ose actions.	
Description of Discrepancy	
Write something	
Volume Difference (m³ / cu yd))
Enter a number	
Root Cause of Discrepancy	
Design Error	
Survey Error	
Geotechnical Variation	
Construction Error	
Other (Specify)	
Explanation of 'Other' Root Ca	ause (if selected)
Write something	

Proposed Remedial Action	
Write something	
Remedial Action Approval	
Approved	
Rejected	
Requires Modification	
Comments/Justification for Appro	val/Rejection/Modification
Write something	
Remedial Action Implementation D	Date
Enter date	
Signature of Person Responsible	for Remedial Action
eview & Approval	
cord of review and approval by quali	fied personnel, confirming the validity of the cut

Review Date

Enter date...

Review Status	
Approved	
Rejected	
Needs Revision	
Reviewer Name	
Write something	
Reviewer Title/Role	
Write something	
Review Comments/Notes (if applicable)	
Write something	
Reviewer Signature	
Revision Number (if applicable)	
Enter a number	