

# Richard Dee

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**EDUCATION**     B. Sc. Mineral Surveying & Resource Management, University of Glamorgan, Wales  
Diploma Mineral Engineering Athlone Institute of Technology, Ireland  
Postgraduate Diploma Environmental Engineering, Trinity College, Ireland

**AFFILIATIONS**  
Member New Zealand Geotechnical Society  
Member Civil Engineering Testing Association NZ  
Member International Geosynthetics Society  
Member Institute Engineers Ireland (IEI)  
Member Irish Mining & Quarrying Society (IMQS)

**COURSES**  
IOSH Managing Health & Safety Course  
GCI-ICP Trained in Geosynthetic Installation & CQA Testing  
SQT Internal Auditing Course  
Applied Geophysics Exploration Course  
Nuclear Density Meter Training  
Basic Radiation Safety Training  
IEI training courses; Railway Construction, Road Construction; Landfill Construction and Capping Systems, The Role of CQA Inspectors, NDM training, CBR Testing training, Soil Mechanics Testing Procedures & Technical Report Writing

## EXPERIENCE

2010 – Present	<b>Resource Development Consultants Ltd</b> <i>Geotechnical Engineer &amp; Team Leader</i> Engineering consultant providing technical and commercial consulting services including operational, planning and project development services.	<b>New Zealand</b>
2005– 2010	<b>Metlab International Ltd</b> <i>Contracts Manager, Project Manager, Geotechnical &amp; CQA Engineer</i> Responsible for contract managing Metlab Int Ltd. construction materials testing business in Ireland. Conducts consulting & independent testing support to civil engineering operations throughout Ireland and overseas.	<b>Dublin, Ireland</b>
2001 – 2002	<b>CRH International</b> <i>Surveying &amp; Geotechnical Technician</i> Conducting daily field surveys & monitoring construction quality	<b>Limerick, Ireland</b>

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## Landfill Projects

### **Cavan District Council**

Geotechnical engineer & CQA for development of a landfill project including 25,000m<sup>2</sup> of doubled lined containment system, & 2.5km road construction.

### **Corranure Landfill Cell 3, Ireland**

### **Greenstar Holdings**

Lead geotechnical engineer & CQA for development of a Greenfield landfill project including 70,000m<sup>2</sup> of doubled lined containment system, 4.5km road construction & all associated infrastructure.

### **Knockharley Landfill Cells 1-6, Ireland**

### **Monaghan District Council**

Lead geotechnical engineer & CQA for development of a Greenfield landfill project including 30,000m<sup>2</sup> of doubled lined containment system, .5km road construction & all associated infrastructure. This project is situated in an area of deep 4-6m pockets of peat.

### **Scotchcorner Landfill Cells 5-8, Ireland**

### **Louth District Council**

Lead project engineer & CQA for development of a landfill project including 5,000m<sup>2</sup> of doubled lined containment system, & 1.5km road construction.

### **Whiteriver Landfill Cell 3B, Ireland**

### **Derry District Council/Golder Associates**

Lead geotechnical engineer & CQA for development of a landfill project including 18,000m<sup>2</sup> of doubled lined containment system, & 2.5km road construction.

### **Craigmore Landfill Cell 4, Ireland**

### **Greenstar Holdings**

Lead project engineer & CQA for development of a Greenfield landfill project including 100,000m<sup>2</sup> of doubled lined containment system, 3.6 km road construction & all associated infrastructure

### **Ballynagran Landfill Cells 1-7, Ireland**

### **Down District Council**

Lead geotechnical engineer & CQA for development of a landfill project including 10,000m<sup>2</sup> of doubled lined containment system, 1.5km road construction & all associated infrastructure. This project is situated in an old disused quarry with steep quarry walls of 65m which had to be engineered to 1:3 side slopes.

### **Drumnakelly Landfill Cells 4 & 5, Ireland**

### **Tyrone District Council**

Lead project engineer & CQA for development of a Greenfield landfill project including 100,000m<sup>2</sup> of doubled lined containment system, 3.6 km road construction & all associated infrastructure

### **Maraghaglass Landfill Cell 4 & 5, Ireland**

## Landfill Restoration/Capping Projects

### **Cavan District Council**

Geotechnical & CQA Engineer testing all construction materials onsite for classification and during construction of a 40,000m<sup>2</sup> capping layer for a restoration project.

### **Corranure Restoration of Cells 1-2, Ireland**

### **Wicklow District Council**

Geotechnical & CQA Engineer testing all construction materials onsite for classification and during construction of a 19,000m<sup>2</sup> capping layer for a restoration project.

### **Rampere Restoration of Cell 2-5**

### **Offal District Council**

Project & CQA Engineer overseeing all construction elements during construction of a 78,000m<sup>2</sup> capping layer for a restoration project.

### **Derryclure Restoration of Cells 1-6**

## Rail Projects

### Iarnrod Eireann

Project Supervisor for providing construction materials testing of a 14km double track rail- line. Geotechnical assessment of construction materials and analysis for the design and construction of railway line.

### Middleton Rail Link, Ireland

### SIAC Construction/Iarnod Eireann

Project Supervisor providing construction materials testing for a 7km double track rail-line. Geotechnical assessment of construction materials and analysis for the design and construction of railway line.

### Dunboyne Commuter Link, Ireland

### SIAC Construction

Geotechnical engineer providing materials testing, investigation and construction support for a new 12km LUAS rail line, including construction of six large bridge structures.

### LUAS B1-100, Ireland

## Road Projects

### Cavan District Council

Geotechnical support for design & construction of a 6km dual lane route way. This project included a large diversity of ground conditions, from deep pockets of peats to limestone slope cutting.

### Cavan Bypass, Ireland

### Offaly District Council

Project Supervisor providing construction materials testing for a 38km new section of motorway. Geotechnical assessment of construction materials and analysis for the design and construction of the motorway.

### Moneygall, Ireland

### Clare District Council

Surveying Technician for the main construction and surfacing contractor. Providing daily field surveys.

### Shannon Bypass, Ireland

## Reservoir Projects

### Cavan District Council

Lead geotechnical engineer & CQA engineer for development of a Greenfield reservoir project including 88,000m<sup>2</sup> of doubled lined containment system.

### Baileborough Reservoir, Ireland

### Whitemountain

Geotechnical & CQA support and mentoring for the construction of a 30,00m<sup>2</sup> GCL and HDPE containment reservoir.

### Mullaghnaglass Reservoir Project, Ireland