

ENDA O'DOHERTY

Ashgrove
Castlefin
Lifford
Co. Donegal

CONTACT INFORMATION

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ACADEMIC BACKGROUND

2004 – 2008 B.Eng (Hons) (2.1) in Environmental Engineering at the National University of Ireland, Galway.

Final Year Subjects studied:

Semester 1

Sustainable Energy and Environmental Engineering Systems (A);
Airborne Pollution (A);
Engineering Hydrology (B);
Engineering Geology II (A);
Coastal Engineering (B);
Design of Concrete Structures (B).

Semester 2

Computational Methods in Civil Engineering (C);
Engineering Hydraulics II (C).
Geotechnical Engineering (D);
Design of Water, Wastewater and Waste Treatment Systems (C);

Included in our course work for this year:

- Design and calculations of retaining wall and multi storey building;
- Design and simulation of a wastewater treatment plant;
- Geotechnical laboratory practical's;
- Environmental Engineering laboratory practical's.

Final Year Project Title: "Storm Sewer Design - An Assessment of Current Methods and Practises". Detailed assessment of the various methods and measures used in drainage designs incorporating Sustainable Drainage Techniques (SuDS)

1998 – 2004 St. Columbas College, Stranorlar, Co.Donegal

Leaving Certificate Subjects: Irish (B), English (B), Maths (C), Physics (C), Biology (B), Geography (B), German (B), all honours level.

SKILLS

Land Surveying	Extremely competent in use of dumpy level and GPS survey equipment.
Setting Out	Experience in the use of total station and GPS equipment for setting out operations on site.
Cad Packages	Vast experience in CAD software packages (AutoCad, AutoCad Civil 3D)
Operating Systems Software Packages	Windows (95/98/NT/2000/XP/Vista) Certified European Computer Driving Licence (ECDL) holder, Microsoft Office, Microsoft Access, Microsoft Project. GPS-X 501, CADS Analyse 3D, Ansys 11, HEC-RAS, Arc GIS, Geoslope.

Communication Excellent written and verbal communication skills. Excellent teamwork skills as various group projects conducted through coursework at college and through work colleagues on site. Basic knowledge of written and spoken German.

Miscellaneous Familiar with computer hardware and common scientific/engineering lab equipment. Full, clean driving licence and also international driving permit.

WORK EXPERIENCE

September 2008-December 2008 **Ward and Burke Construction Ltd., Stradbally East, Kilcolgan Co.Galway, Ireland**

- Site engineer for civil engineering contractor;
- Responsible for setting out and conducting topographical/as-built surveys using GPS equipment;
- Responsible for liaising with resident engineer to ensure best current practise for site operations and methods of construction.

December 2007 **Composite Design Ltd., Omagh. Co. Tyrone, Ireland**

- General operative for steel fabrication and erection company specialising in multi-story buildings;
- Experience working in the construction of composite floors;
- Required strict adherence to health and safety measures due to the majority of work being conducted at heights.

March 2007-September 2007 **Coffey Construction Ltd., Moanbaun, Athenry, Co.Galway, Ireland**

- Junior site engineer for civil and environmental engineering contractor;
- Experience in land surveying particularly the use of dumpy level and total station;
- Instructed employees while adhering to health and safety regulations;
- Maintained site documentation (invoices, plant records, employee time sheets, materials, daily allocation sheets);

June 2005-September 2005 **Deveareux Construction Ltd., Boston, MA, USA**

- General Operative for utilities contractor specialising in gas pipeline installation;
- Involved in all aspects of pipeline installation, repair and maintenance;
- Valuable experience on construction sites and working in close contact with heavy machinery.

AFFILIATIONS

Engineers Ireland, the operating name of the Institute of Engineers of Ireland (IEI)

Student Member

Chartered Institute of Water and Environmental Management (CIWEM)

Student Member

REFERENCES

Prof. Padraic O'Donoghue, B.E., M.Sc., Ph.D. (Georgia Tech), FIEI, M.I.Struct.E., Dean of Engineering, National University of Ireland, padraig.odonoghue@nuigalway.ie

Malcolm Hennigan, Director, Ward and Burke Construction Ltd., Stradbally East, Kilcolgan, Co. Galway. henniganmt@eircom.net