

**Name:** Donal O'Connor  
**Profession:** Civil/Structural Engineer  
**Year of Birth:** 1960



**Qualifications:** **BE (Civil)** Bachelor of Engineering (Civil) (H 1) NUI Galway 1982  
**MBA** Master of Business Administration (H 2.1) Dublin City University 1993

**Memberships:** **CEng**  
**MEI** Chartered Member of Engineers Ireland  
**CIWEM** Member of the Chartered Institution of Water and Environmental Management  
**MACEI** Chartered Member of the Institution of Structural Engineers  
**MIStructE** Member of the Association of Consulting Engineers of Ireland

### Summary of Experience

- Water and Wastewater Engineering - Preliminary & Detailed Design & Site Supervision.
- Project Management.
- Structural & Civil Engineering (Buildings) – Design & Site Supervision.
- Marine Works and Heavy Civil Engineering Structures - Design & Site Supervision.
- Company Management - strategic, financial and organisational.
- Management of Engineering Design Teams.

### Experience

#### **2009 - to date Director PHM Consulting, Limerick & London**

- Inverness Mews, London - Structural Design and Project Management of refurbishment of commercial property.
- Stavordale Lodge, Melbury Road, Kensington, London - Design and Project Management of refurbishment of reinforced concrete basement car park waterproofing system.
- Campden Hill Road, Kensington, London - Design and Project Management of roof refurbishment to existing building.
- Cloyne Meadows, Cloyne, Co. Cork - Preparation of report on reduction of bond and taking in charge of 70 unit housing development.
- Brackvoan, Bruff, Co. Limerick - Preparation of report on pollution incident at sewage pumping station and recommendations for improvements to station.
- PHM Consulting Financial Control.

#### **2007 - 2009 Dep. Managing Director WYG (Ireland) Ltd.**

Responsible for managing WYG Engineering in Ireland, in conjunction with the Managing Director, with approx. 500 staff and turnover of €50M. Particular responsibility for Civil, Structures and Mechanical & Electrical Disciplines within Engineering Group.

#### **2004 - 2007 Managing Director PH McCarthy Consulting Engineers Ltd.**

Responsible for managing PH McCarthy Consulting Engineers, with approx. 190 staff and turnover of approx. €20M. Project Director for:

- N22 Macroom Bypass;
- Ballyvaughan Doolin & Corofin WWTW DBO Contract;
- Shannon Airport Water Supply Scheme Upgrade.

**1995 - 2004 Director, PH McCarthy Consulting Engineers**

**Project Director/Project Manager for projects including:**

**Dublin Bay Project, Deputy Project Manager  
(Two contracts procured on DBO basis)**

Client: Dublin City Council.

Consultants: McCarthy Hyder Consultants Ltd.

Value: €245M.

Wastewater treatment works (1.7 million pop. equiv.)  
procured using design build and operate contract.

Advance sludge driers also procured using separate DBO  
contract.



**Ballyvaughan, Doolin & Corofin Wastewater Treatment  
Works (DBO Contract), €11.0M**

Client: Clare Co. Council

Value: €11.0M

Responsible for the preparation of tender documents for  
bundle of 3 new wastewater works for the villages of  
Ballyvaughan, Doolin and Corofin in County Clare.

Contract was Design, Build and Operate.

**State Laboratory & Dept of Agriculture Research  
Laboratories, Backweston, Celbridge, Co. Kildare.**

Client: OPW

Architects: OPW New Works 3 & RKD Architects

Value: €154M

37,500m<sup>2</sup> laboratory buildings and ancillary facilities.

Civil design of infrastructure for site included  
transportation assessment; upgrade of existing public  
roads and design of internal roads; design of foul and  
surface water systems, including attenuation pond; and  
water supply system, including water storage for the site.



**St. Catherine's Church, Dublin**

Client: CORE.

Architect: Paul Arnold Architects.

Value: €2.0M

Project Director for structural design which included:  
the installation of structural steel framework resin-bolted  
to the front pediment (from within the roof-space) to  
laterally restrain the pediment which is 100mm out-of-  
plumb over its 5.0m height; design of timber truss and  
purlin end replacement details; upgrading of existing  
gallery floors to take office and church loading.

## Other Projects

### Water

- Lissycasey Group Water Scheme Preliminary Report (2004) €1.5M
- Dysart & Toonagh Group Water Scheme Preliminary Report (2004) €1.0M
- St. Mullins Group Water Scheme Preliminary Report (2004) €0.9M

### Wastewater and Surface Water

- Ballyvaughan & Corofin Sewerage Schemes Preliminary Report, Co. Clare €12.0M
- Doolin Sewerage Scheme Preliminary Report, Co. Clare €3.8M
- Labasheeda, Cooraclare & Carrigaholt Sewerage Schemes Preliminary Report (2005) €13.0M
- Caherconlish Wastewater Treatment Plant (2000pe), Co Limerick. €0.7M
- Naas Surface Water Study, Kildare.

### Waste Management

- South East Waste Management Plan – PPP Aspects

### Commercial

- Filtertek Cleanroom Facility, Newcastle West, Co. Limerick €1.5M
- Newcastlewest Business Park €4.0M
- Clondrinagh Industrial Park, Limerick €3.0M
- Crofton Rd, Dun Laoghaire Residential/Commercial Dev., Co. Dublin €7.0M

### Housing

- Castletroy Housing Project (249 Units)
- Two-Mile-Borris Housing Scheme, Clonmel (15 Units)
- Dundrum Housing Scheme, Co. Tipperary (54 Units)
- Boherduff Housing Scheme, Co. Tipperary (40 Units)
- Murroe Housing Scheme, Co. Limerick (48 Units)
- Housing at Long Lane, Letterkenny, Co. Donegal (42 Units)

## 1991 – 1995 Senior Project Engineer/Associate, PH McCarthy Consulting Engineers

### Project Engineer for projects including:



### Dun Laoghaire Ferry Terminal Building, Co. Dublin, €25.4M

Client: Department of the Marine  
Architect: Burke-Kennedy Doyle Architects  
Value: €25.4M

Responsible for the structural design of a new airport-style terminal building with an area of 7100m<sup>2</sup>. This involves the design of the part-demolition and refurbishment of the existing terminal building which was then integrated with a new arrivals/departures building of 3,000m<sup>2</sup>. Design also included a public plaza and underground car park with a total capacity of 100 cars.

### Pier 3/4 Redevelopment at Rosslare Harbour, Co. Wexford (Design Build Project)

Client: Uniform Construction/Irish Rail  
Value: €5.8M

Responsible for the design of a new pier extension, comprising a series of 15.5m L x 9m W x 11m H reinforced concrete caissons. The 190m long pier extension has a 50m projection at the south end and a 30m return at the north end and incorporates a new berth and a linkspan foundation for the Sea Lynx Catamaran. The south end provides a new conventional ferry berth.



## **Other Projects**

### **Wastewater**

- Foxdale/St. Johns Sewerage Scheme, Isle of Man, €0.6M.
- Assistant Project Manager and Senior design team member for preparation of Preliminary Report for Ringsend Sewage Treatment Works Expansion, comprising Secondary Treatment including activated sludge with diffused air aeration. Population equivalent 1.7 Million, €127.0M

### **Housing**

- Water and Drainage design for Housing Dev., Cabinteely, Co. Dublin, €0.7M

## **1990 – 1991 Senior Project Engineer, PH McCarthy Consulting Engineers, Douglas, Isle of Man**

### **Senior Project Engineer, with responsibility for Civil and Structural Design:**

#### **Health**

- EMI Units, Ballamona Hospital, Douglas, €6.4M
- Jane Crookall Hospital, Douglas, €3.5M

#### **Education**

- Saddlestone School, Douglas, €2.8M

#### **Waste Management**

- Raggatt Landfill site incl. Preparation of all Contract Documents, €0.9M
- Landfill Development at Ballacallow, Isle of Man – Phase 1 and 2, €10.6M

## **1988 – 1990 Design Engineer, Curtins, Consulting Engineers, Douglas, Isle of Man**

### **Design Engineer, with responsibility for Civil and Structural Design:**

#### **Commercial**

- Two four storey office blocks in reinforced concrete
- Outline Design of two five storey Office Blocks with large storage area attached
- Many smaller assignments consisting of the refurbishment of old buildings and the design of structural elements for the alteration of buildings.
- Survey of the condition of existing buildings.

#### **Housing**

- Design of Sheltered Housing Scheme with 42 units

## **1982 – 1988 Graduate and Design Engineer, Dublin County Council, Dublin**

### **Water**

- Design Engineer in Water Design Section with responsibility for surveying, designing and costing of water supply networks, along with design of County Dublin Water Metering Scheme.
- Plant Engineer in charge of Leixlip Water Treatment Plant (Output 20Mgd) with responsibility for quality and quantity of water produced, maintenance and management of treatment plant and management of staff.

### **Wastewater**

- Maintenance and Pollution Control Engineer in North County Dublin Drainage Section with responsibility for management of Swords and Malahide WWTWs and eight smaller wastewater treatment plants including sludge handling facilities, control of water pollution in North County Dublin and the enforcement of the Water Pollution Act (1977) in the area.

## **Papers, Publications & Other Involvements**

- I. O'Connor, D (2006) "Water Services National Development Programme". Paper to IMI Conference on Infrastructural Development.
- II. O'Connor, D. (2001) "The Potential of Public Private Partnerships". Paper to Kilkenny Conference on Waste Management.
- III. Part-time lecturer in Bolton Street, Dublin Institute of Technology for Water and Wastewater Treatment

Technology.

- IV. O'Connor, D., Hand, M.G. and Marks, R. (1996) "Dun Laoghaire Harbour Ferry Terminal Development". Paper to the Institution of Engineers of Ireland.
- V. O'Connor, D. (1993) "A Strategic Analysis of the Consulting Engineering Sector in Ireland", MBA Dissertation.