



IRELAND



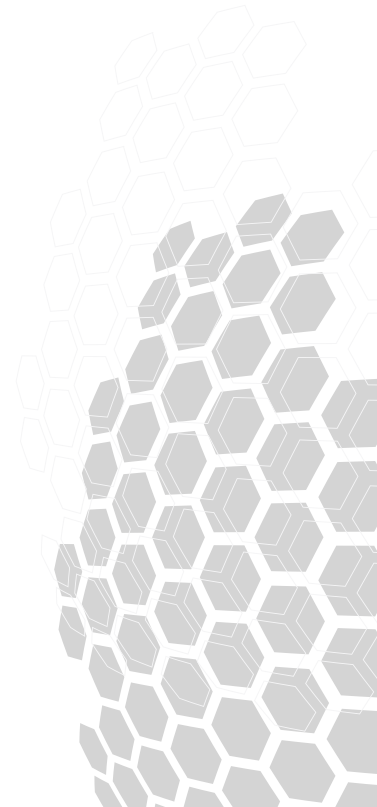
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ABOUT US

Howley Civils is one of the construction industries top and longest serving civil engineering contractors. Established by Gilbert Howley in the 1950's Howley Civils has been serving the construction industry for over sixty years. Starting from modest beginnings Gilbert Howley was born on a small farm near Straide Co. Mayo. During the war years he worked in an opencast coal mine in South Wales returning to Ireland in the 1950's.

Gilbert worked initially on land projects, building a formidable reputation for the quality of his work. A visionary, looking to grow the business Gilbert invested in heavy equipment in 1967 with the purchase of a new Cat D9G bulldozer. The early 1970's saw the addition of Cat 769 dump trucks, large wheel loaders and excavators. This investment and the company's reputation lead to the awarding of major site works for Merck Sharpe and Dohme in Ballydine and Asahi Synthetic Fibers in Killala. At the time these were the two largest projects of their type in Ireland, Howley Civils has been involved in the pharmaceutical industry in Ireland from the very beginning. The late 1970's saw substantial growth in the business with projects like Aughinish Alumina, Moneypoint and Aghada power stations. The 1980's saw major road projects undertaken in Monaghan, Cork, Wicklow and Wexford. Another notable project at that time was the Knocknacran Gypsum opencast mine development works which comprised of an initial 3.5 million cu.m of excavation and all site services.

Throughout the years the Howley name has been associated with works for most multinationals in Ireland including Merck, Sharpe and Dohme, Pfizer, GSK, Wyeth, Intel, Asahi, Johnson and Johnson, Novartis, Genzyme, Bayer, Amgen. Michael Howley joined the company in 1980 and has proven to be an inspirational leader in his own right further developing and expanding the business in Ireland and moving into new markets throughout the UK.



WHAT WE DO

We undertake work in different sectors of the industry, including pharmaceutical, transport, environmental, food / agri and site development for both residential and industrial. The nature of works undertaken include large earthworks, rock excavation, drainage, services, road haulage, concrete works and all aspects of ground-works including some specialist services.

We are a self delivery organisation with our own workforce and an impressive fleet of modern plant coupled with the latest technology. Our workforce consists of approximately 240 direct site employees along with 32 staff who currently work between Ireland and the United Kingdom. The companies operate over a large geographical area covering all of the United Kingdom and Ireland. Where possible any additional resources required for a particular project are employed locally.

Our client list consists of companies that rely on our experience and professionalism to get the job done on time and within budget. Of particular importance is the level of repeat business generated and subsequent negotiated follow on works secured. This is evident by the level of repeat business secured from satisfied clients.

Our plant fleet is constantly evolving to comply with the company's planned investment and project programme requirements. This ensures that a safe, modern and efficient plant fleet is available in house.

Management

Our people are our greatest asset, their dedication and enthusiasm are enhanced by ensuring continuous programmes of training and advancement, offered to all.

Our leadership team, with over 60 years involvement in the industry has extensive experience and knowledge which enables us to successfully train and develop all members of our team.

Our structure has evolved in this manner, all the key management having spent many years working together across different contracts.

We, as a company, ensure that our employees are provided with follow up training structured to their individual requirements and capabilities. This training continuously evolves to meet industry demands, ensuring they approach their duties armed with everything from the most current health, safety and environmental training to the most up to date training in new plant and technology.



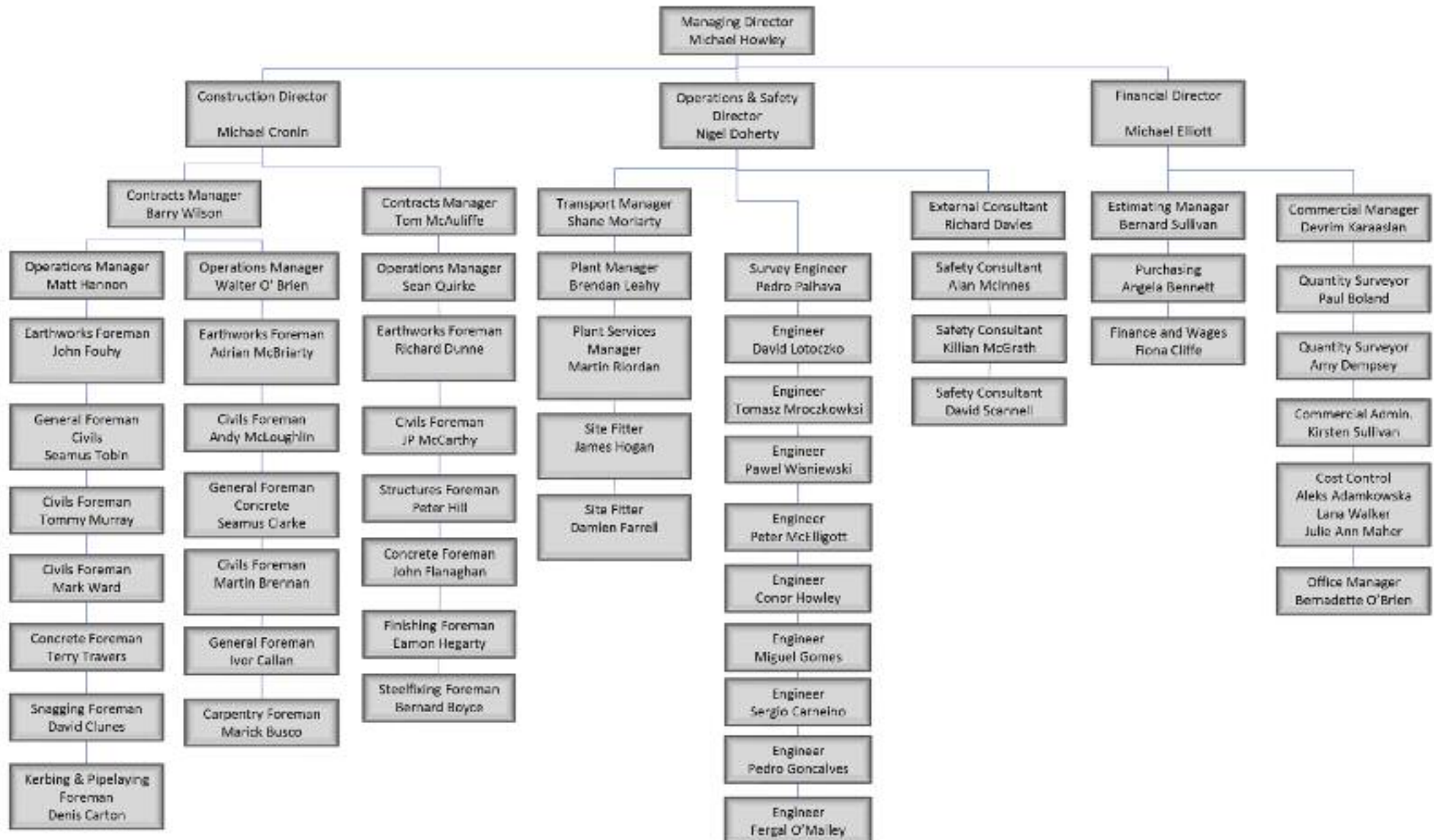
1976 Aghada Power Station



1982 Monaghan County Council
Carrickmacross



1989 Cork County Council
Mallow Road



Plant Resources

Category	Size	Quantity
Excavators Excavators	60 ton - 100 ton	1
Excavators Excavators	26 ton - 59 ton	8
Excavators Excavators	11 ton - 25 ton	31
Excavators Excavators	02 ton - 10 ton	14
Excavators	Wheeled Excavators	11

Category	Size	Quantity
Compaction	Vibromax 1401	1
Compaction	Atlas Capco CA4600	3
Compaction	Dynapac	3

Category	Size	Quantity
Bulldozer	Komatsu D65 Series	5
Bulldozer	Komatsu D61 Series	1
Bulldozer	Caterpillar D6 Series	1
Grader	Caterpillar 14H	1

Category	Size	Quantity
Articulated Dump Trucks	40 ton	13
Articulated Dump Trucks	30 ton	14
Articulated Dump Trucks	25 ton	1

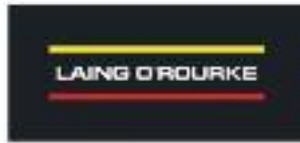
Category	Size	Quantity
Transport	Artic Tipper & Trailer	10
Transport	Rigid Tipper	4
Transport		1

Category	Size	Quantity
Crusher	Powerscreen premier track 400	1
Screener	Powerscreen Warrior 1400	1

Refer to attached detailed plant list for full schedule of resources



Our Clients



SAFETY

OHSAS 18001, the companies operate an occupational health and safety management system. Safety is the core of our approach to commencing works. It is more than a policy, it is a culture. Our approach is to empower responsibility for safety on each person in the organisation to ensure their work practices are focused on creating and maintaining an incident and injury free environment. Safety feedback is actively encouraged through our Don't Walk By Card system and actioned accordingly.

The companies operate strict procedures in relation management of safety on sites. All activities are carried out under Method Statements, Permits to Dig, Task Briefings and Safe Plans of Action. Weekly Tool Box Talks and regular safety stand downs are also utilised.



Vehicle Marshal safety briefing March 2018

Six key elements of our Health and Safety policy are:

- Personal commitment and cultural alignment;
- Leadership commitment and mentoring;
- Employee health and welfare;
- Reward recognition;
- Training and development;
- Consultation, communication and empowerment.



Pre-start task briefing being carried out on 16th October 2017 at 7:00am

SAFETY

We thoroughly induct all employees and ensure that they are reminded of our expectations in carrying out their duties. We provide a safe work place for those who are involved in our operations through managing risk at an early stage coupled with a positive behaviour and a culture of continuous learning.

We have a leadership led team who are visibly committed to health and safety changes and understand how their implementation leads to continuous improvement. No compromise on health and safety matters is acceptable

We engage at all levels of our operation, listening and learning from those that work for us. We ensure that those that work for us are fit to undertake their activities and understand the negative effects of drug and alcohol abuse in the workplace. We are certified to carry out in house random drug and alcohol testing and operate a no tolerance policy.



QUALITY & ENVIRONMENTAL

ISO 9001: We operate an ISO accredited Quality Management System designed to ensure that both the needs of our Client and our company are met. Ensuring that all members of our team are aware of the importance of quality results in the delivery of a high quality product.

ISO 14001: Our commitment to the environment is reinforced by our ISO 14001 accredited Environmental Management System. As a company we value the environment and aim to reduce our environmental impact whilst delivering our projects to the standard required by our clients. Our plant fleet has been substantially updated with environment friendly tier 4 engine equipment.



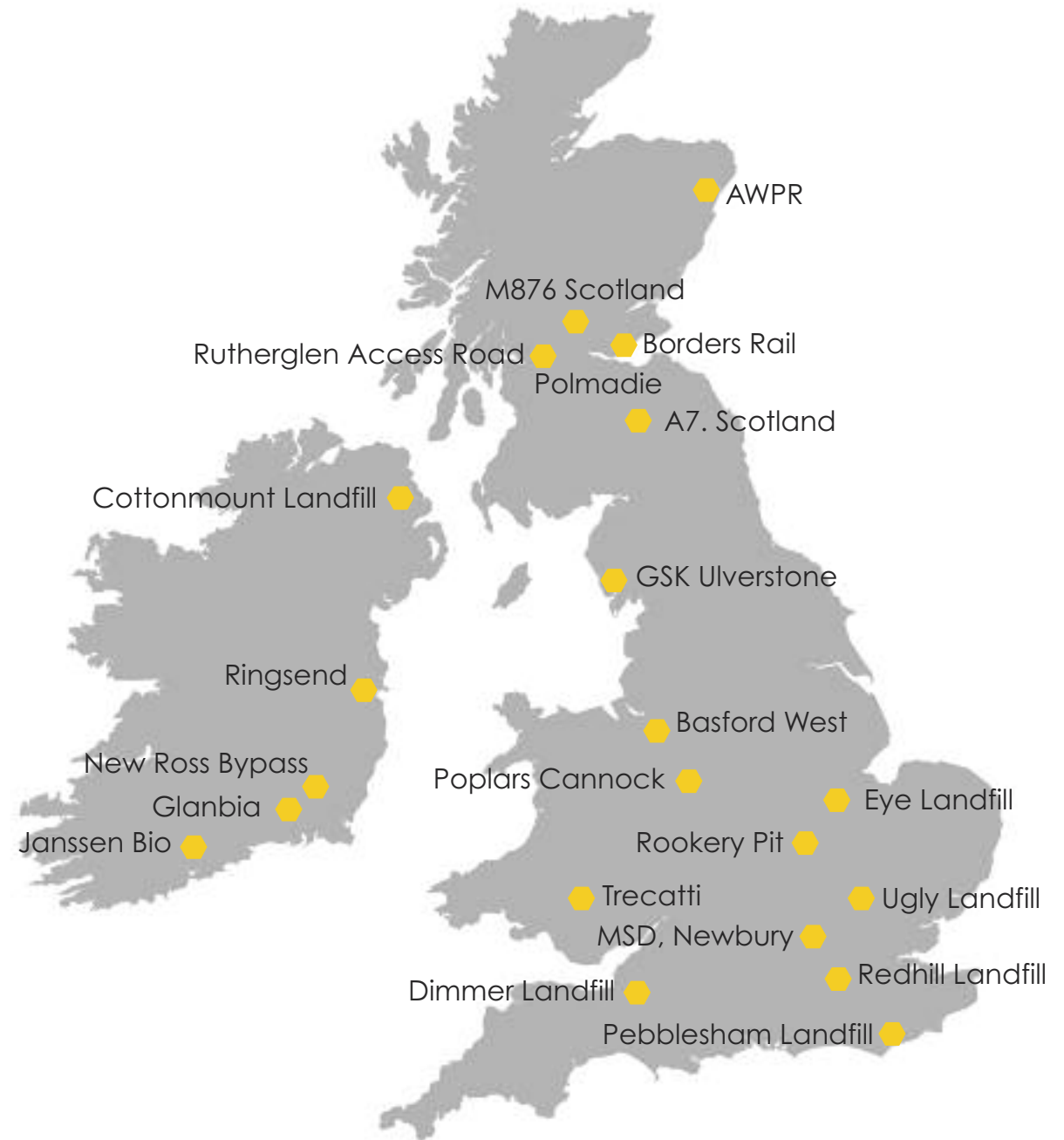
CURRENT AND PAST PROJECTS

- Transport
 - Road
 - Rail
- Pharmaceutical
- Environment
- Food / Agri
- Responsive Works
- Site Development
- Earthworks
- Road Haulage



WORKS LOCATIONS

We operate across Ireland and the United Kingdom to provide services to our Clients in their regions.



Project Name:	New Ross By-Bass
Project Location:	New Ross, Wexford
Client:	TII
Main Contractor:	NRJV
Value:	€4,000,000

Works included:

- Bulk excavation and rock excavation of approximately 400,000 cu.m for the West of the Barrow section;
- Transport approximately 60,000 cu.m of material by road haulage;
- Excavation and replace 30,000 cu.m of bog marsh material including management of the disposal locations;
- Excavation of foundations for pier abutments for cable stayed bridge river crossing;
- Install a number of precast culverts and underpasses, responsible for the excavation and earthworks, concrete works, lifting, temporary works, placing and sealing of units;
- Accommodation works for local residents.



Works being carried out on the 14m deep pier abutment excavation in rock on the bank of River Barrow for new cable stay bridge.

Project Name: AWPR – Bulk Earthworks
Project Location: Aberdeen, Scotland
Client: Transport Scotland
Main Contractor: AWPR CIV
Value: £26,000,000

The AWPR project is being delivered by Transport Scotland, the national transport agency, on behalf of the Scottish Government and in partnership with Aberdeen City Council and Aberdeenshire Council.

Works included:

- 1,500,000 cu.m of bulk excavations cut to fill, box cut along with formation preparation;
- 125,000 cu.m of pavement construction up to sub base level or underside of CGBM & Asphalt.





Komatsu dozer with GPS completing boxcut and CAT 14H grader with ATS completing Sub Base operations running side by side.

Project Name: AWPR – Specialist
Project Location: Aberdeen, Scotland
Client: Transport Scotland
Main Contractor: AWPR CIV
Value: £2,000,000

Form embankment using 1,300m of Maccaferri terramesh units, with 6,000 sq.m of paragrid which was constructed alongside the main North Sea Shell pipeline.

Placement of 4,500 cu.m of imported Class 6I/6J fill in a 300mm deep layer.
Placement and compaction of 300,000 cu.m of fill.

Placement of 3,700 cu.m of Class 1/2 general fill between 6I/6J fill and existing embankment in a 300mm deep layer.



Project Name: AWPR – Concrete & Services
Project Location: Aberdeen, Scotland
Client: Transport Scotland
Main Contractor: AWPR CIV
Value: £6,000,000

The following works were carried out on drainage, services, concrete works and precast concrete.

Works included:

- 39km of drainage systems ranging from 150mm – 900mm Carrier & Filter Drain, back of wall drainage to structures, Precast culverts, SUDS attenuation ponds including all associated chambers and headwalls;
- 26km of kerbing, footways and paved areas;
- 2km of large precast culverts and associated entrance head walls.



Project Name: Borders Railway
Project Location: Galashiels, Scotland
Client: Network Rail
Main Contractor: BAM Nuttall
Value: £1,850,000

- Working together with BAM Nuttall to deliver multiple numbers of drainage culverts which were laid under proposed rail lines;
- 300m long willow burn culvert was also placed in addition to over 12km of drainage and associate infrastructure;
- 7km pea-way box-cut excavation for rail ballast together with placing the railway ballast using ATS enabled equipment;
- Permanent Access Points and access roads to/from new rail stations were also included.



Project Name: Polmadie Maintenance Project
Project Location: Glasgow, Scotland
Client: Bear Scotland
Main Contractor: John Paul Construction
Value: £1,200,000

Full earthworks and civils on this brownfield heavily contaminated site of 23,000 sq.m.

Earthworks cut/fill in heavily contaminated soils and soft ground improvement techniques were utilised to minimise off-site disposal and import of fill.

Installation of surface water, including SUDS attenuation pond, foul drainage systems and utility ducting.

A 450mm diameter outfall pipeline was constructed across the live M74 motorway Junction 1.



Project Name: Janssen BioCork2
Project Location: Ringaskiddy, Co. Cork
Client: Janssen
Main Contractor: John Sisk & Sons
Value: €3,700,000

- All works carried out on a live pharmaceutical plant;
- Excavation of approximately 90,000 cu.m of materials including the rock breaking element and disposal on site to form large landscape berm;
- Bulk filling of car parks, access roads and lay down areas;
- Excavation and concrete works to 130 pad foundations, lift shaft and retaining walls;
- Filling, to make up levels utilising 9,000 cu.m of imported stone and geogrid solutions;
- Services and drainage works within a live plant;
- Works to waste water treatment plant including bulk excavation, foundation and services works.





Project Name: GSK Access Roads
Project Location: Ulverstone, Cumbria
Client: GSK Glaxo Smith Kline
Main Contractor: John Sisk & Son
Value: £850,000

John Sisk & Son were appointed by GSK to carry out the initial site enabling works at the Ulverston Facility in preparation for their planned site development. Retained by John Sisks & Sons as their civils Works Contractor for the construction of new access roads and car parking including associated site services infrastructure (storm drainage, foul drainage and electrical ducting) at this live pharmaceutical facility in Cumbria.



Project Name: Trecatti
Project Location: Merthyr Tydfil, Wales
Client: Biffa
Main Contractor: PJ Hegarty & Sons UK
Value: £1,500,000

This project comprises the full earthworks, drainage and services installation to construct a new landfill cell.

Works included:

- Excavation of existing rock from former quarry face to form reshaped batter for new landfill cell;
- Excavation of rock and suitable material;
- Crushing of rock, rock screening to make drainage layer and base for liner;
- Placement of suitable fill to achieve formation level for the proposed cell;
- Excavate suitable clay material and place as clay liner to proposed cell;
- Place and install geogrid separator layer;
- Excavate and place gravel to act as leachate collection layer;
- Install leachate collection pipework within the collection layer.





Project Name: Redhill Landfill
Project Location: Surrey
Client: Biffa
Main Contractor: PJ Hegarty & Sons UK
Value: £2,000,000

This project comprises the full earthworks, drainage and services installation to construct a new landfill cell.

Works included:

- Remove of 50,000 cu.m of silt from bottom of disused quarry;
- Excavation of 500,000 cu.m of suitable and unsuitable material;
- Placement of 20m deep of suitable fill in layers to achieve formation level for the proposed cell;
- Excavate suitable clay material and place as clay liner to proposed cell;
- Place and install geogrid separator layer;
- Excavate and place gravel to act as leachate collection layer;
- Install leachate collection pipework within the collection layer.



Project Name: Eye Landfill
Project Location: Peterborough
Client: Biffa
Main Contractor: PJ Hegarty & Sons UK
Value: £500,000

This project comprises the full earthworks, drainage and services installation to construct a new landfill cell.

Works included:

- Excavation of 100,000 cu.m of suitable and unsuitable material;
- Placement of engineered clay to achieve formation level for the proposed cell;
- Excavate suitable clay material and place as clay liner to proposed cell;
- Place and install geogrid separator layer;
- Excavate and place gravel to act as leachate collection layer;
- Install leachate collection pipework within the collection layer.



Project Name: Basford West
Project Location: Crewe
Client: Goodman Group
Main Contractor: John Sisk & Son
Value: £1,600,000

Project comprising of full earthworks, drainage and services installation to provide 1.7km of new link road with two new roundabouts linking the development to existing public roads.

The excavation, preparation, lining and finishing of 5 no. attenuation ponds was also required.



Project Name: Glanbia Project Topaz
Project Location: Belview Port, Kilkenny
Client: Glanbia
Main Contractor: PJ Hegarty & Sons
Value: €3,000,000

Works carried out within a live plant under a regulated environment and co-ordinated around the existing factory shut down therefore certain elements completed in advance to ensure the existing factory remained operational.

Works included:

- Works carried out within a live plant with a regulated environment;
- Bulk earthworks element of the project which includes the excavation and disposal of approximately 70,000 cu.m of material;
- Bulk filling of access roads and laydown areas;
- Forming berms and walkways using site won materials;
- Construction of long term site haul road with imported stone;
- Waste - installation of storm, foul and process drainage and associated chambers;
- Utilities - installation of gas, electrical (MV & LV) and fiber optic and associated chambers.





Project Name: Rutherglen Access Road
Project Location: Rutherglen, Scotland
Client: Bear Scotland
Main Contractor: John Paul Construction
Value: £400,000

Construction of site infrastructure on a mixed-use development near Glasgow including topsoil strip, bulk excavation, drainage and service installation and road construction to sub base level including laying of combined kerb and drainage system.



Project Name: Ringsend Waste Water Treatment Plant

Project Location: Ringsend, Dublin

Client: Irish Water

Main Contractor: PJ Hegarty

Value: €1,000,000

Works carried out on a live site in a controlled fashion to ensure that the existing WWTP remains operational at all times. Working with restricted access and around existing services.

Works included:

- Placing stone for piling mat;
- Excavation of foundations;
- Breaking down and prepare piles;
- Excavation for ELPS chambers;
- Demolition of existing underground structures;
- Installation of services.



Project Name: Rookery Pit
Project Location: Bedfordshire, UK
Client: Covanta Hitachi Zosen
Main Contractor: PJ Hegarty
Value: £500,000

Rookery pit project involved construction of the site access road and enabling works for the construction of new incinerator.

Works included:

- Bulk Earthworks;
- Road Construction;
- Kerbing;
- Drainage including petrol interceptor and headwalls;
- Ducting.



Project Name: Merk, Sharpe & Dhome
Project Location: Newbury, Reading,
England
Client: Merk, Sharpe & Dhome
Main Contractor: PJ Hegarty

Working within a live pharmaceutical plant installing services and re-aligning existing services to facilitate for new development.

Works included:

- Installation of new services;
- Re-alignment of existing services;
- Excavation and preparation for in-situ concrete works;
- Placing and finishing of concrete permanent works.







Finishing Works

- Standard kerbing
- Integrated drainage kerbing
- Trief kerbing
- Brick paving
- Cobble lock paving
- Tactile paving
- Granite block paving





Machine Controlled Systems

Embankment construction utilising machine control systems thereby reducing the requirement for Engineering staff. A huge benefit is a substantial reduction of the risks associated with the plant / human interface. As indicated both batter rails and profiles are eliminated.

We currently utilise GPS and ATS systems manufactured by Leica, Trimble and Topcon.

We operate some of the most modern intelligent machine control systems in the bulldozers where the emphasis is on accuracy, operator satisfaction and fuel economy.





Responsive Works

In addition to traditional civil construction services we are pleased to be able to offer a reactive maintenance works service for unplanned works. A sample of such works (road/rail embankment slippage repairs, etc.) are outlined below.

Slippage Repairs – A7 Scotland

Source, import and carefully place rock armour to protect the existing motorway above from being undermined by hydraulic failure of a clay/gravel inter-layered natural slope.

Slippage Repairs – M876 Scotland

Excavation of failed slope materials and benched excavations to allow stepped placement of tyre bales (c200no.) to protect the existing motorway slopes from being undermined by hydraulic failure.



Setting Out Levelling and Surveying Management

We have invested in the most up to date setting out and control management systems which compliment the GPS and ATS machine control systems installed on the various plant items. Our staff are provided with in house and external training on the implementation of these systems.

The company also uses drones to survey and monitor progress on site, the drone combines photography and topography providing a greater level of detail than that of traditional surveying. The speed and efficiency achieved using this technology offers huge cost savings to all parties. We are continually investing in this ever evolving sector of the industry.

Engineer setting out using GPS system



Engineer setting out using robotic total station



Works on 30 Bridge Decks

Concrete works to 30 Nr bridge decks, including placing services, forming footpaths, placing kerbing and surface filling on mammal bridging.



Interchange Works

Works to interchanges under live traffic conditions, installation of ducting for signalised junctions, approach roads, berm filling, top-soiling and services.



Deep Pumping Chamber

Installation of 2 Nr. 4.6m diameter chambers at approximately 6m deep on cast in-situ concrete bases on an open cut shaft. Chambers were concrete surrounded before back-filing.



Pre-Cast Concrete Culvert Installation Works



Specialist Works

Fill operation around and over a 10m high precast concrete arch structure using approximately 150,000 cu.m of site won materials including:

- 74,000 cu.m of site won backfill material, rock and general fill;
- 60,000 cu.m lime stabilised processed material;
- 12,000 cu.m of Class 1A fill over crown of structure;
- 3,000 cu.m Type 1 backfill;
- 1,000 cu.m of drainage stone backfill surround to structure.







Responsive Works





Installation of culvert on live motorway,
fibre optic cables suspended overhead

Works on Services



















Road Haulage

Road haulage at Glanbia, Co. Kilkenny, dispose 70,000 cu.m of material to licensed disposal location. Truck and low loader delivering plant to site.



Truck and low loader delivering plant to site



Plant Resources

Manufacturer	Model	Quantity	Category	Manufacturer	Model	Quantity	Category	Manufacturer	Model	Quantity	Category
Komatsu	PC700 LC HD - 11	1	Excavator	Caterpillar	14H Ripper	1	Grader	Caterpillar	14H Leica GPS & ATS	2	Machine Control System
	PC480 LC HD - 11	1	Excavator						D6R LGP Leica GPS	1	Machine Control System
	PC450 LC HD - 8	1	Excavator	Vibromax	1401	1	Compaction	Komatsu	PC210 - 10 Leica GPS	2	Machine Control System
	PC360 LC - 11	1	Excavator	Atlas Copco	CA4600	3	Compaction		PC210 - 8 Trimble GPS	1	Machine Control System
	PC350 - 8	2	Excavator	Dynapac	31	3	Compaction		PC210 - 11 Trimble GPS	2	Machine Control System
	PC290 - 11	1	Excavator	Full range of trench compactors					PC290 Leica GPS	1	Machine Control System
	PC290 - 8	2	Excavator					Lui Gong	922E Leica GPS	1	Machine Control System
	PC210 - 9	4	Excavator	Komatsu	D65 PXI - 18	2	Bulldozer	Volvo	ECR235 Trimble GPS	1	Machine Control System
	PC210 - 10	4	Excavator		D61 PXI - 23	1	Bulldozer	Komatsu	D65 PXI-18 Topcon integrated GPS	2	Machine Control System
	PC210 - 11	6	Excavator		D61 PXI - 24	1	Bulldozer		D61 PXI-23 Topcon integrated GPS	1	Machine Control System
	PC188-11	10	Excavator		D65 PX - 15	1	Bulldozer		D61 PXI-24 Topcon integrated GPS	1	Machine Control System
Volvo	EC220 DL	1	Excavator		D65 PX - 12	1	Bulldozer		D65 WX - 18 Trimble GPS	1	Machine Control System
	ECR235E	1	Excavator		D65 WX - 18	1	Bulldozer				
	ECR145E	2	Excavator	Caterpillar	D6R LGP	1	Bulldozer	Valtra	T151 150hp 4WD	1	Tractor
	ECR88D	5	Excavator						T151 150hp 4WD c/w front forks	1	Tractor
	ECR55D	4	Excavator	Volvo	A43G	8	Dump Truck		T202 200hp 4WD c/w front forks	1	Tractor
Lui Gong	922E	3	Excavator		A35G	1	Dump Truck	JCB	540-14	2	Telehandler
Kubota	KX57-4	2	Excavator		A30F	3	Dump Truck				
Caterpillar	308F2 CR	3	Excavator		A30G	10	Dump Truck	Scania	150H Low Loader	1	Transport
Komatsu	PW160 - 8	1	Wheeled Excavator		A25G	1	Dump Truck	Volvo	FM13 6x2 Artic Tipping Trailer	14	Transport
	PW160 - 10	1	Wheeled Excavator	Beil	B40	4	Dump Truck	Renault	Korax Rigid	4	Transport
Volvo	FW140	1	Wheeled Excavator					Man	Artic Tipping Trailer	1	Transport
	FW150	7	Wheeled Excavator	Mecalac	TA8	4	Site Dumper				
Hitachi	DW140	1	Wheeled Excavator	Terex	TA8	2	Site Dumper	Powerscreen	Premier Track 400	1	Crusher
				Full range of rockbreakers from 8T down				Powerscreen	Warrior 1400	1	Screening



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