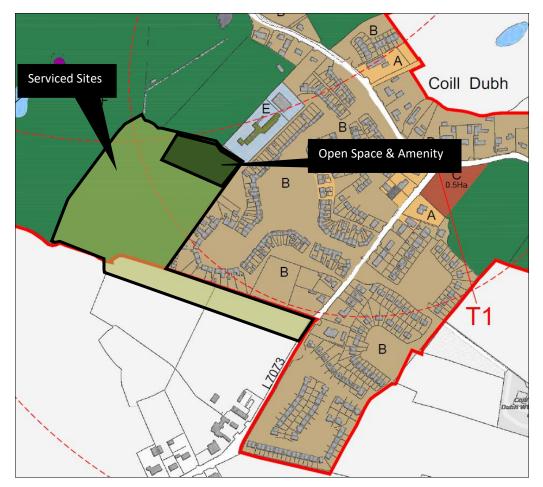
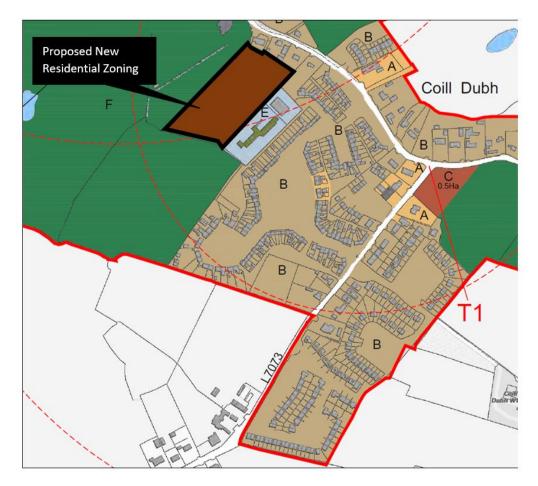


APPENDIX A

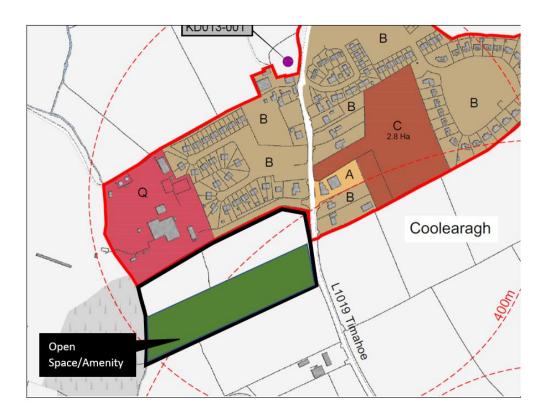
Locations of sites



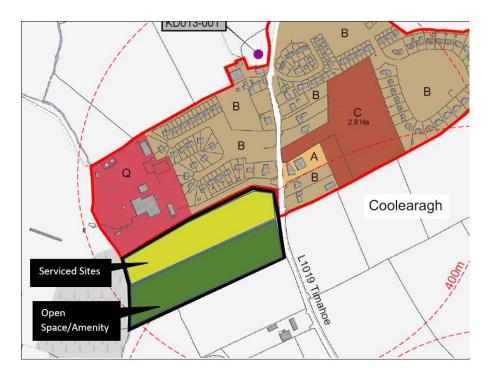
Submission Alan Byrne



Hurling Club 1



Hurling Club 2



A Byrne - referencing Hurling Club submission also.



APPENDIX B

Surface Water Network Irish Water Maps



Water Pump Station	\otimes	Water Stop Valves	🔺 Waste Wa
		Water Service Connections	Sewer Mains I
Dosing Point		Water Distribution Chambers	Gravity - 0
Meter Station	•	Water Network Junctions	Gravity - I
Abstraction Point		Pressure Monitoring Point	Gravity -
	-	Fire Hydrant	Pumping
Telemetry Kiosk	Eu	-	Pumping
Reservoir		Fire Hydrant/Washout	Syphon -
Potable		e r Fittings Cap	Syphon -
Raw Water	-	Reducer	- Overflow
Water Distribution Mains	- <u>-</u>	Тар	Sewer Mains F
Irish Water	•	Other Fittings	🖛 Gravity - 0
		-	Gravity -
Trunk Water Mains			Gravity -
Irish Water Private			Pumping
			Pumping
Water Lateral Lines —— Irish Water			Pumping
Non IW			Syphon -
Water Casings			Syphon -
			Sewer La
Water Abandoned Lines			Sewer Ca
M Boundary Meter			
 M Bulk/Check Meter M Group Scheme 			Sewer Manhol Standard
M Source Meter			 Standard Backdrop
M Waste Meter			Cascade
M Unknown Meter ; Other Meter			CP Catchpit
Non-Return			Bifurcatio
M PRV			Hatchbox
PSV			Lamphole
Sluice Line Valve Open/Closed			Hydrobral
Butterfly Line Valve Open/Closed			 Other; Un
Sluice Boundary Valve Open/Closed			
Butterfly Boundary Valve Open/Closed			
▲ Scour Valves			

Surface Gravity Mains	Distribution Medium Pressure Gasline
Surface Gravity Mains Private	Distribution Low Pressure Gasline
Surface Water Pressurised Mains	ESB Networks
Surface Water Pressurised Mains Private	ESB HV Lines
Inlet Type	
① Gully	
Standard	
 Other; Unknown 	ESB MVLV Lines
Storm Manholes	
 Standard 	MV Overhead Single Phase
 Backdrop 	
Cascade	LV Overhead Single Phase
CP Catchpit	
Bifurcation	Abandoned
[^부] Hatchbox	Non Service Categories
Lamphole	 Proposed
▲ Hydrobrake	Under Construction
• Other; Unknown	 Out of Service
Storm Culverts	 Decommissioned
🥯 Storm Clean Outs	Water Non Service Assets
Stormwater Chambers	Water Point Feature
Discharge Type	Water Pipe
-) Outfall	 Water Structure
	Waste Non Service Assets
Soakaway	Waste Point Feature
● Soakaway ° T⊌E R Other; Unknown	••••• Sewer
	Waste Structure

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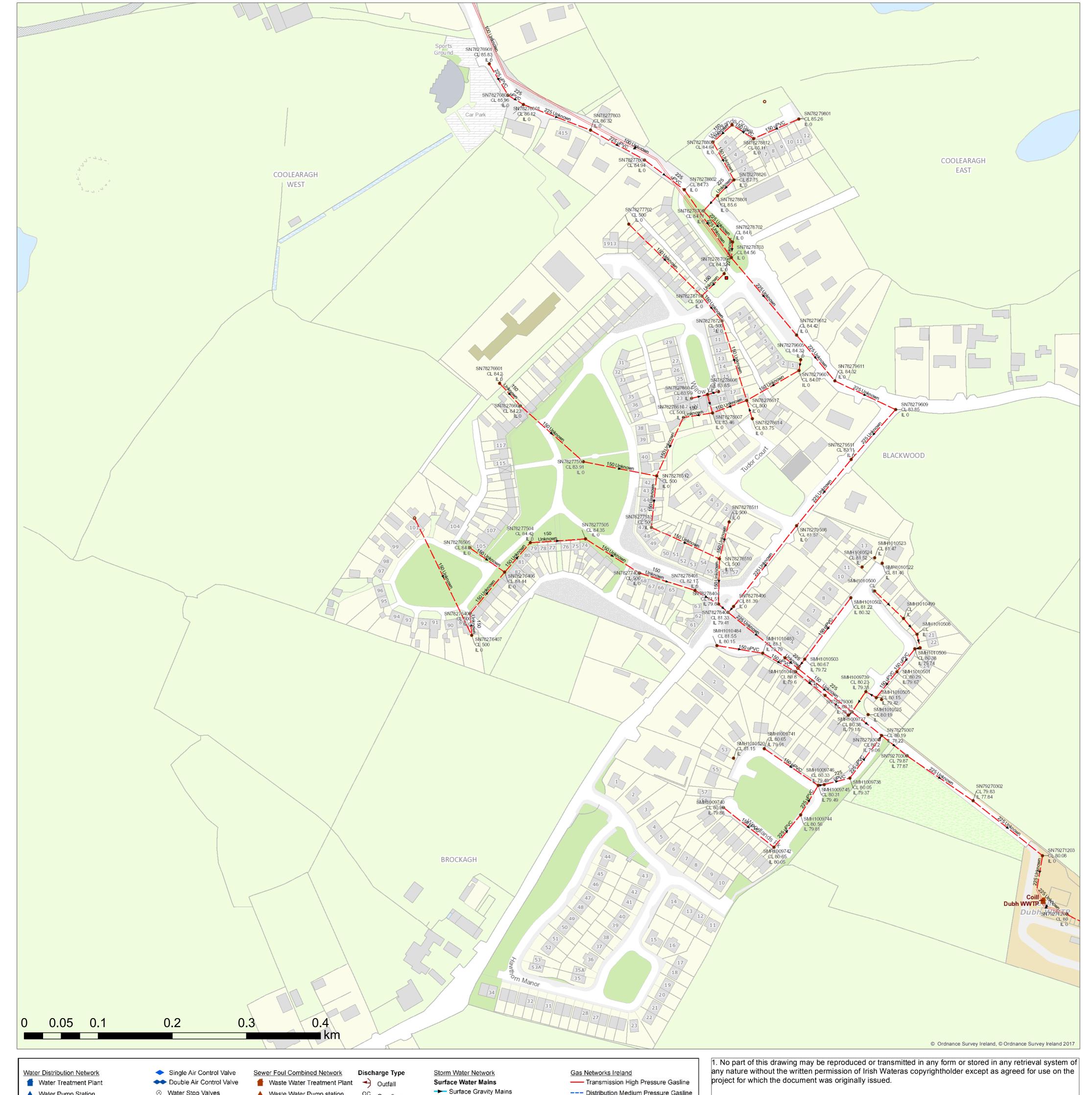
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Water Pump Station	\otimes	Water Stop Valves	🔺 Waste Wa
→/▼ Storage Cell/Tower		Water Service Connections	Sewer Mains I
Dosing Point		Water Distribution Chambers	Gravity - 0
Meter Station	•	Water Network Junctions	Gravity - I
Abstraction Point		Pressure Monitoring Point	Gravity -
	-	Fire Hydrant	Pumping
Telemetry Kiosk	-	Fire Hydrant/Washout	Pumping
Reservoir		-	Syphon -
Potable		e r Fittings Cap	Syphon -
Raw Water	-	Reducer	- Overflow
Water Distribution Mains	- <u>-</u>	Тар	Sewer Mains F
Irish Water Private	٠	Other Fittings	🗯 Gravity -
			- Gravity - I
Trunk Water Mains			Gravity -
Private			Pumping
Water Lateral Lines			Pumping
Irish Water			Syphon -
Non IW			Syphon -
Water Casings			Overflow
Water Abandoned Lines			
M Boundary Meter			Sewer Ca
M Bulk/Check Meter			Sewer Manhol
M Group Scheme			 Standard
M Source Meter			O Backdrop
M Waste Meter			
M Unknown Meter ; Other Meter			Catchpit
Non-Return			Bifurcatio
M PRV			[[‡]] Hatchbox
PSV			💾 Lamphole
Sluice Line Valve Open/Closed			📕 Hydrobral
Butterfly Line Valve Open/Closed			 Other; Un
Sluice Boundary Valve Open/Closed			
Butterfly Boundary Valve Open/Closed			
▲ Scour Valves			

_			oullan
	Waste Water Pump station		Overflow
Sew	er Mains Irish Water	SA	Soakaway
	Gravity - Combined		Standard Outlet
-	Gravity - Foul	отнея	⁸ Other; Unknown
	Gravity - Unknown		
	Pumping - Combined	Clean	out Type
	Pumping - Foul	Q.	Rodding Eye
	Pumping - Unknown	_	Flushing Structure
	Syphon - Combined	아버티	Other; Unknown
	Syphon - Foul	Sewe	r Inlets
+	Overflow	CP	Catchpit
Sew	er Mains Private	#	Gully
	Gravity - Combined	•	Standard
	Gravity - Foul	OTHER	Other; Unknown
	Gravity - Unknown		r Fittings
	Pumping - Combined	110	Vent/Col
	Pumping - Foul	_	Other; Unknown
	Pumping - Unknown		other, onknown
	Syphon - Combined		
	Syphon - Foul		
	Overflow		
	Sewer Lateral Lines		
	Sewer Casings		
Sew	er Manholes		
	Standard		
-	Backdrop		
	Cascade		
СР	Catchpit		
-	Bifurcation		
	Hatchbox		
L H	Lamphole		
	Hydrobrake		
0	Other; Unknown		

Surface Gravity Mains	Distribution Medium Pressure Gasline
Surface Gravity Mains Private	Distribution Low Pressure Gasline
Surface Water Pressurised Mains	ESB Networks
Surface Water Pressurised Mains Private	ESB HV Lines
Inlet Type	
① Gully	
Standard	
 Other; Unknown 	ESB MVLV Lines
Storm Manholes	
 Standard 	MV Overhead Single Phase
 Backdrop 	
Cascade	LV Overhead Single Phase
CP Catchpit	
Bifurcation	Abandoned
[^부] Hatchbox	Non Service Categories
Lamphole	 Proposed
▲ Hydrobrake	Under Construction
• Other; Unknown	 Out of Service
Storm Culverts	 Decommissioned
🥯 Storm Clean Outs	Water Non Service Assets
Stormwater Chambers	Water Point Feature
Discharge Type	Water Pipe
-) Outfall	 Water Structure
	Waste Non Service Assets
Soakaway	Waste Point Feature
● Soakaway ° T⊌E R Other; Unknown	••••• Sewer
	Waste Structure

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APPENDIX C

Foul Sewer Network Irish Water Maps



Water Pump Station	\otimes	Water Stop Valves	🔺 Waste Wa
→/▼ Storage Cell/Tower		Water Service Connections	Sewer Mains I
Dosing Point		Water Distribution Chambers	Gravity - 0
Meter Station	•	Water Network Junctions	Gravity - I
Abstraction Point		Pressure Monitoring Point	Gravity -
	-	Fire Hydrant	Pumping
Telemetry Kiosk	-	Fire Hydrant/Washout	Pumping
Reservoir		-	Syphon -
Potable		e r Fittings Cap	Syphon -
Raw Water	-	Reducer	- Overflow
Water Distribution Mains	- <u>-</u>	Тар	Sewer Mains F
Irish Water Private	٠	Other Fittings	🗯 Gravity -
			- Gravity - I
Trunk Water Mains			Gravity -
Private			Pumping
Water Lateral Lines			Pumping
Irish Water			Syphon -
Non IW			Syphon -
Water Casings			Overflow
Water Abandoned Lines			
M Boundary Meter			Sewer Ca
M Bulk/Check Meter			Sewer Manhol
M Group Scheme			 Standard
M Source Meter			Backdrop
M Waste Meter			
M Unknown Meter ; Other Meter			Catchpit
Non-Return			Bifurcatio
M PRV			[[‡]] Hatchbox
PSV			💾 Lamphole
Sluice Line Valve Open/Closed			📕 Hydrobral
Butterfly Line Valve Open/Closed			 Other; Un
Sluice Boundary Valve Open/Closed			
Butterfly Boundary Valve Open/Closed			
▲ Scour Valves			

Surface Gravity Mains	Distribution Medium Pressure Gasline
Surface Gravity Mains Private	Distribution Low Pressure Gasline
Surface Water Pressurised Mains	ESB Networks
Surface Water Pressurised Mains Private	ESB HV Lines
Inlet Type	
① Gully	
Standard	
 Other; Unknown 	ESB MVLV Lines
Storm Manholes	
 Standard 	MV Overhead Single Phase
 Backdrop 	
Cascade	LV Overhead Single Phase
CP Catchpit	
Bifurcation	Abandoned
[^부] Hatchbox	Non Service Categories
Lamphole	 Proposed
▲ Hydrobrake	Under Construction
• Other; Unknown	 Out of Service
Storm Culverts	 Decommissioned
🥯 Storm Clean Outs	Water Non Service Assets
Stormwater Chambers	Water Point Feature
Discharge Type	Water Pipe
-) Outfall	 Water Structure
	Waste Non Service Assets
Soakaway	Waste Point Feature
● Soakaway ° T⊌E R Other; Unknown	••••• Sewer
	Waste Structure

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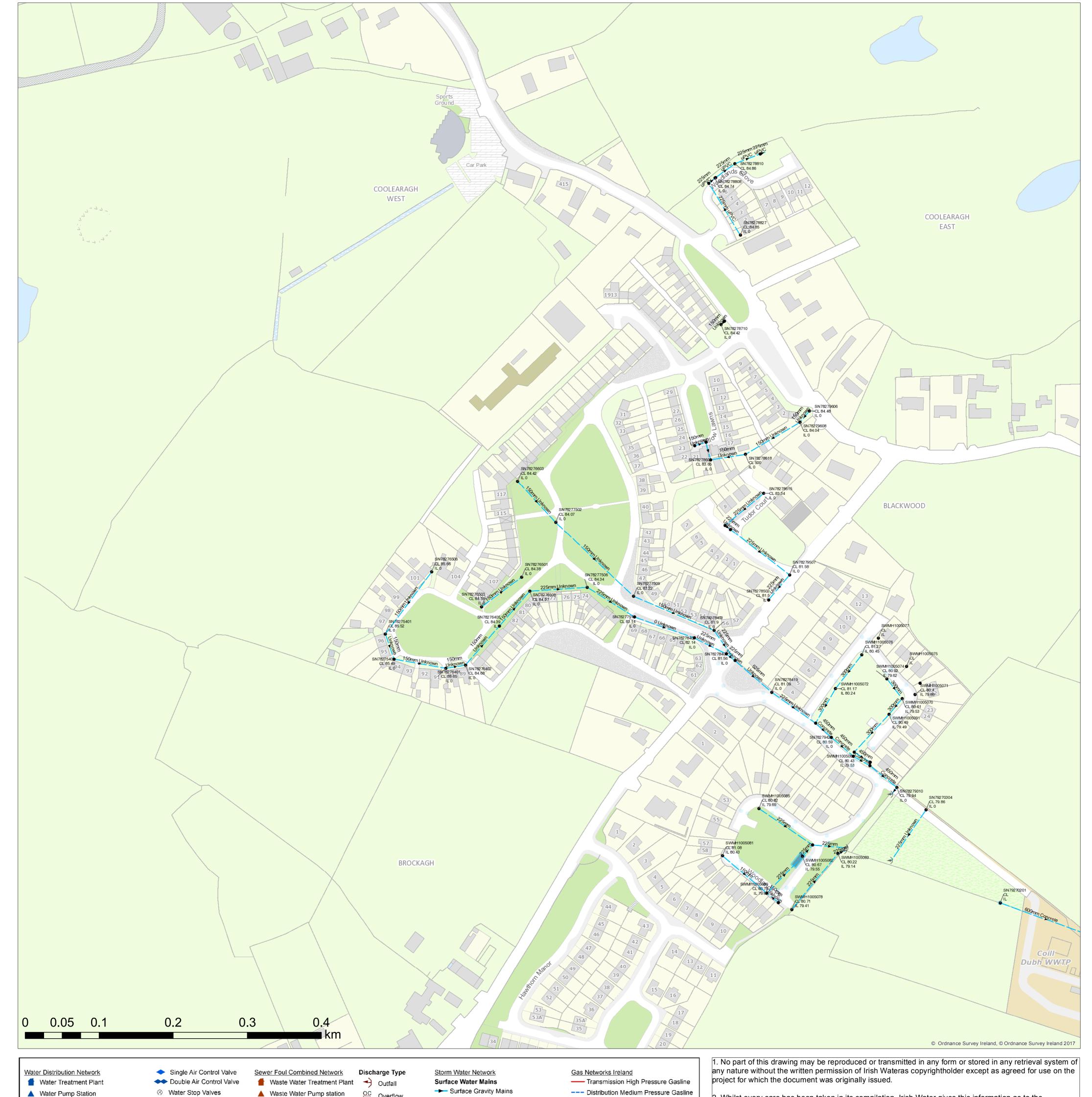
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vvater Pump Station	v water Stop valves	Vvaste vva
→/▼ Storage Cell/Tower	Water Service Connections	Sewer Mains I
Dosing Point	Water Distribution Chambers	Gravity - 0
Meter Station	 Water Network Junctions 	Gravity - I
Abstraction Point	Pressure Monitoring Point	Gravity - Gravity - Pumping
Telemetry Kiosk	 Fire Hydrant Fire Hydrant@Aleabout 	Pumping
Reservoir	● FH Fire Hydrant/Washout	Syphon -
Potable	Water Fittings	Syphon -
Raw Water	└── Cap ▼ Reducer	- Overflow
Water Distribution Mains		Sewer Mains F
Irish Water	 Other Fittings 	Gravity - 0
- Private		Gravity - I
Trunk Water Mains		Gravity -
Irish Water		Pumping
Private		= Pumping
Water Lateral Lines		Pumping
Irish Water		Syphon -
Non IW		Syphon -
Water Casings		Overflow
Water Abandoned Lines		Sewer La
M Boundary Meter		—— Sewer Ca
M Bulk/Check Meter		Sewer Manhol
M Group Scheme		 Standard
M Source Meter		Backdrop
M Waste Meter		Cascade
(M) Unknown Meter ; Other Meter		Catchpit
Non-Return		Bifurcatio
📂 PRV		[[‡]] Hatchbox
PSV		🎽 Lamphole
Sluice Line Valve Open/Closed		👗 Hydrobral
Butterfly Line Valve Open/Closed		 Other; Un
Sluice Boundary Valve Open/Closed		
Rutterfly Boundary Valve Open/Closed		
Scour Valves		

te Water Pump station	OVerflow
te Water Pump station ains Irish Water vity - Combined vity - Foul vity - Unknown uping - Combined uping - Foul	OC Overflow SA Soakaway ● Standard Outlet ^o THER Other; Unknown Cleanout Type RE Rodding Eye
ping - Unknown non - Combined non - Foul flow ains Private vity - Combined vity - Foul vity - Unknown uping - Combined uping - Combined uping - Foul uping - Unknown non - Combined non - Foul flow er Lateral Lines er Casings anholes adard kdrop cade chpit reation chbox phole robrake er; Unknown	 Flushing Structure THER Other; Unknown Sewer Inlets CP Catchpit Gully Standard THER Other; Unknown Sewer Fittings VC Vent/Col THER Other; Unknown

	france incolor ingit i recourte e cao
Surface Gravity Mains	Distribution Medium Pressure Gaslir
Surface Gravity Mains Private	Distribution Low Pressure Gasline
Surface Water Pressurised Mains	ESB Networks
Surface Water Pressurised Mains Private	ESB HV Lines
Inlet Type	
① Gully	
Standard	
 Other; Unknown 	ESB MVLV Lines
Storm Manholes	
 Standard 	MV Overhead Single Phase
 Backdrop 	LV Overhead Three Phase
Cascade	LV Overhead Single Phase
CP Catchpit	MVLV Underground
Bifurcation	Abandoned
[^부] Hatchbox	Non Service Categories
^L H Lamphole	 Proposed
▲ Hydrobrake	 Under Construction
• Other; Unknown	 Out of Service
Storm Culverts	 Decommissioned
🥯 Storm Clean Outs	Water Non Service Assets
Stormwater Chambers	Water Point Feature
Discharge Type	Water Pipe
-) Outfall	 Water Structure
	Waste Non Service Assets
	Waste Point Feature
• oounanay	••••• Sewer
° [™] unknown	 Waste Structure

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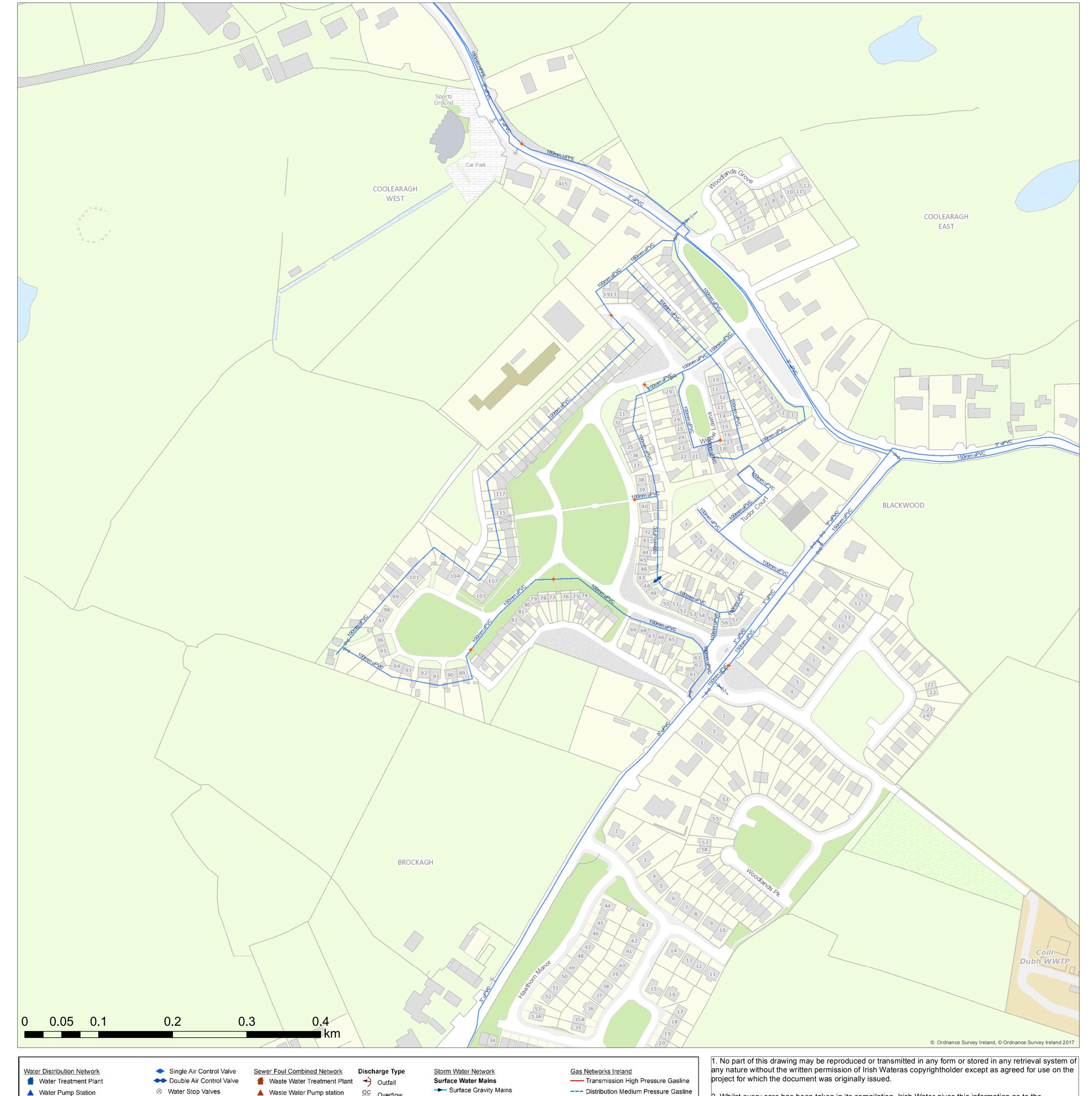


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APPENDIX D

Watermain Network Irish Water Maps



vvater Pump Station	v water Stop valves	Vvaste vva
→/▼ Storage Cell/Tower	Water Service Connections	Sewer Mains I
Dosing Point	Water Distribution Chambers	Gravity - 0
Meter Station	 Water Network Junctions 	Gravity - I
Abstraction Point	Pressure Monitoring Point	Gravity - Gravity - Pumping
Telemetry Kiosk	 Fire Hydrant Fire Hydrant@Aleabout 	Pumping
Reservoir	● FH Fire Hydrant/Washout	Syphon -
Potable	Water Fittings	Syphon -
Raw Water	└── Cap ▼ Reducer	- Overflow
Water Distribution Mains		Sewer Mains F
Irish Water	 Other Fittings 	Gravity - 0
- Private		Gravity - I
Trunk Water Mains		Gravity -
Irish Water		Pumping
Private		= Pumping
Water Lateral Lines		Pumping
Irish Water		Syphon -
Non IW		Syphon -
Water Casings		Overflow
Water Abandoned Lines		Sewer La
M Boundary Meter		—— Sewer Ca
M Bulk/Check Meter		Sewer Manhol
M Group Scheme		 Standard
M Source Meter		O Backdrop
M Waste Meter		Cascade
(M) Unknown Meter ; Other Meter		Catchpit
Non-Return		Bifurcatio
📂 PRV		[붓] Hatchbox
PSV		🎽 Lamphole
Sluice Line Valve Open/Closed		👗 Hydrobral
Butterfly Line Valve Open/Closed		 Other; Un
Sluice Boundary Valve Open/Closed		
Rutterfly Boundary Valve Open/Closed		
★ Scour Valves		

te Water Pump station	OVerflow
ains Irish Water vity - Combined vity - Foul vity - Unknown uping - Combined uping - Foul	 Overflow Soakaway Standard Outlet Standard Outlet Cleanout Type Rodding Eye
ping - Unknown non - Combined non - Foul flow ains Private vity - Combined vity - Combined vity - Unknown ping - Combined ping - Combined ping - Unknown non - Combined non - Foul flow er Lateral Lines er Casings anholes dard kdrop cade shpit reation shbox phole robrake er; Unknown	Flushing Structure ○ THER Other; Unknown Sewer Inlets CP Catchpit ⊕ Gully ● Standard ○ THER Other; Unknown Sewer Fittings VC Vent/Col ○ THER Other; Unknown

	france incolor ingit i recourte e cao
Surface Gravity Mains	Distribution Medium Pressure Gaslir
Surface Gravity Mains Private	Distribution Low Pressure Gasline
Surface Water Pressurised Mains	ESB Networks
Surface Water Pressurised Mains Private	ESB HV Lines
Inlet Type	
① Gully	
Standard	
 Other; Unknown 	ESB MVLV Lines
Storm Manholes	
 Standard 	MV Overhead Single Phase
 Backdrop 	LV Overhead Three Phase
Cascade	LV Overhead Single Phase
CP Catchpit	MVLV Underground
Bifurcation	Abandoned
[^부] Hatchbox	Non Service Categories
^L H Lamphole	 Proposed
Hydrobrake	 Under Construction
• Other; Unknown	 Out of Service
Storm Culverts	 Decommissioned
🥯 Storm Clean Outs	Water Non Service Assets
Stormwater Chambers	Water Point Feature
Discharge Type	Water Pipe
-) Outfall	Water Structure
oc Overflow	Waste Non Service Assets
Soakaway	Waste Point Feature
° ™u∈ R Other; Unknown	Sewer Waste Structure
- ,	Viaste Structure

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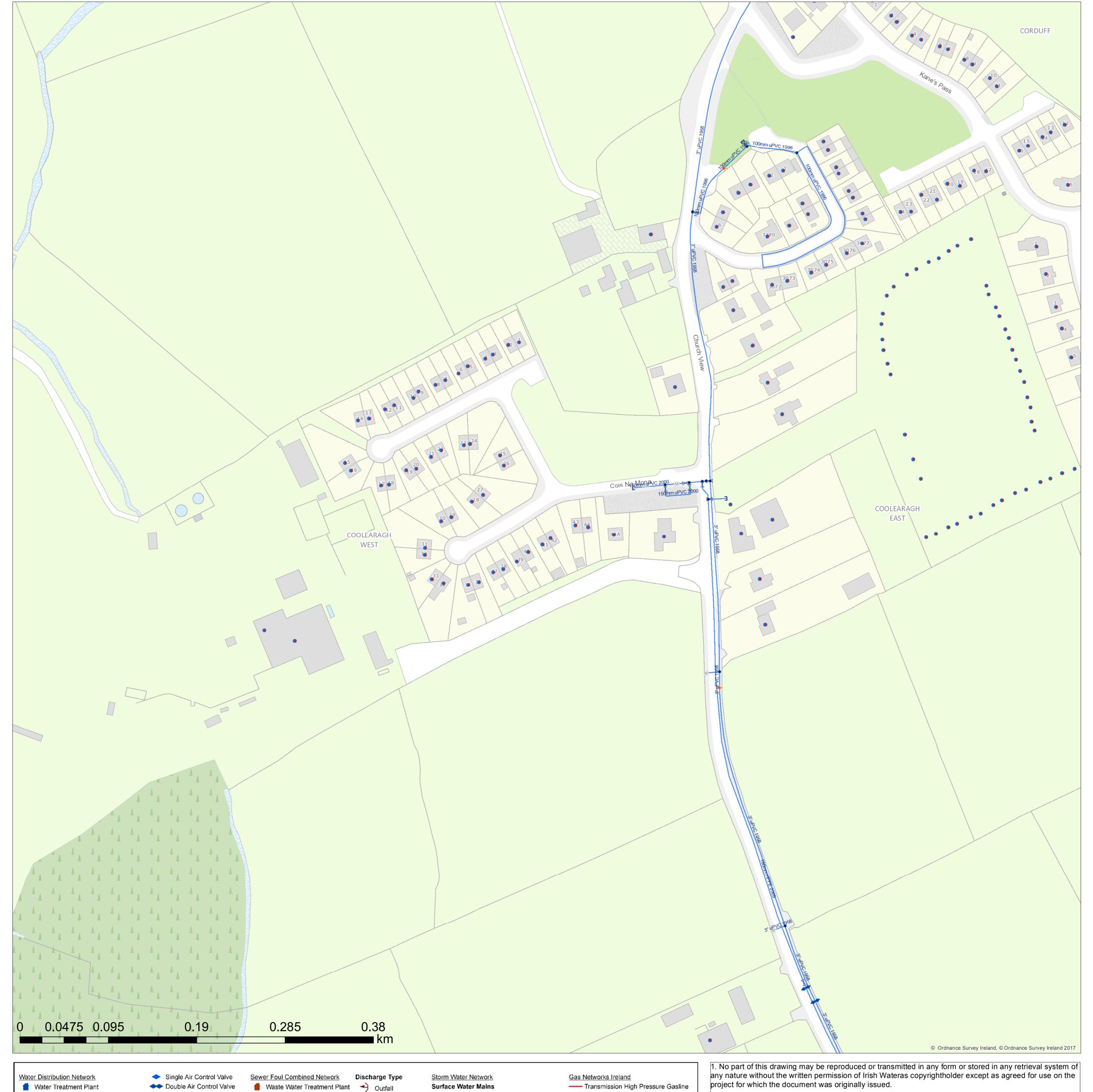
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Water Pump Station	\otimes	Water Stop Valves	🔺 Waste Wa
→/▼ Storage Cell/Tower		Water Service Connections	Sewer Mains I
Dosing Point		Water Distribution Chambers	Gravity - 0
Meter Station	•	Water Network Junctions	Gravity - I
Abstraction Point		Pressure Monitoring Point	Gravity -
	-	Fire Hydrant	Pumping
Telemetry Kiosk	-	-	Pumping
Reservoir		Fire Hydrant/Washout	Syphon -
Potable		e r Fittings Cap	Syphon -
Raw Water	-	Reducer	- Overflow
Water Distribution Mains	- <u>-</u>	Тар	Sewer Mains F
Irish Water	٠	Other Fittings	🖛 Gravity -
- Private			🗕 Gravity - I
Trunk Water Mains			Gravity -
Private			Pumping
Water Lateral Lines			Pumping
Irish Water			Pumping
Non IW			Syphon -
			Overflow
Water Abandoned Lines			Sewer La
M Boundary Meter			Sewer Ca
M Bulk/Check Meter			Sewer Manhol
M Group Scheme			 Standard
M Source Meter			Backdrop
Waste Meter			
M Unknown Meter ; Other Meter			Catchpit
Non-Return			Bifurcatio
🖗 PRV			[H] Hatchbox
PSV			💾 Lamphole
Sluice Line Valve Open/Closed			👗 Hydrobral
Butterfly Line Valve Open/Closed			 Other; Un
Sluice Boundary Valve Open/Closed			
Butterfly Boundary Valve Open/Closed			
▲ Scour Valves			

_			oullan
	Waste Water Pump station		Overflow
Sew	er Mains Irish Water	SA	Soakaway
	Gravity - Combined		Standard Outlet
-	Gravity - Foul	OTHER	⁸ Other; Unknown
	Gravity - Unknown		
	Pumping - Combined	Clean	out Type
	Pumping - Foul	Ø	Rodding Eye
	Pumping - Unknown	_	Flushing Structure
	Syphon - Combined	ᅂᄲ	Other; Unknown
	Syphon - Foul	Sewe	r Inlets
+	Overflow	CP	Catchpit
Sew	er Mains Private	#	Gully
	Gravity - Combined	•	Standard
	Gravity - Foul	OTHEF	Other; Unknown
	Gravity - Unknown		r Fittings
	Pumping - Combined	110	Vent/Col
	Pumping - Foul		Other; Unknown
	Pumping - Unknown		other, onknown
	Syphon - Combined		
	Syphon - Foul		
	Overflow		
	Sewer Lateral Lines		
	Sewer Casings		
Sew	er Manholes		
٠	Standard		
0	Backdrop		
	Cascade		
СР	Catchpit		
0	Bifurcation		
	Hatchbox		
L H	Lamphole		
	Hydrobrake		
0	Other; Unknown		

Surface Gravity Mains	Distribution Medium Pressure Gasline
Surface Gravity Mains Private	Distribution Low Pressure Gasline
Surface Water Pressurised Mains	ESB Networks
Surface Water Pressurised Mains Private	ESB HV Lines
Inlet Type	
① Gully	
Standard	
 Other; Unknown 	ESB MVLV Lines
Storm Manholes	
 Standard 	MV Overhead Single Phase
 Backdrop 	
Cascade	LV Overhead Single Phase
CP Catchpit	
Bifurcation	Abandoned
[^부] Hatchbox	Non Service Categories
Lamphole	 Proposed
▲ Hydrobrake	Under Construction
• Other; Unknown	 Out of Service
Storm Culverts	 Decommissioned
🥯 Storm Clean Outs	Water Non Service Assets
Stormwater Chambers	Water Point Feature
Discharge Type	Water Pipe
-) Outfall	 Water Structure
	Waste Non Service Assets
Soakaway	Waste Point Feature
● Suakaway ° T⊌E R Other; Unknown	••••• Sewer
	Waste Structure

2. Whilst every care has been taken in its compilation, Irish Water gives this information as to the position of its underground network as a general guide only on the strict understanding that it is based on the best available information provided by each Local Authority in Ireland to Irish Water. Irish Water can assume no responsibility for and give no guarantees, undertakings or warranties concerning the accuracy, completeness or up to date nature of the information provided and does not accept any liability whatsoever arising from any errors or omissions. This information should not be relied upon in the event of excavations or any other worksbeing carried out in the vicinity of the Irish Water underground network. The onus is on the parties carrying out excavations or any other works to ensure the exact location of the Irish Water underground network is identified prior to excavations or any other works being carried out. Service connection pipes are not generally shown but their presence should be anticipated.

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NOTE: DIAL BEFORE YOU DIG Phone: 1850 427 747 or e-mail dig@gasnetworks.ie - The actual position of the gas/electricity distribution and transmission network must be verified on site before any mechanical excavating takes place. If any mechanical excavation is proposed, hard copy maps must be requested from GNI re gas. All work in the vicinity of gas distribution and transmission network must be completed in accordance with the current edition of the Health & Safety Authority publication, Code of Practice For Avoiding Danger From Underground Services' which is available from the Health and Safety Authority (1890 28 93 89) or can be downloaded free of charge at www.hsa.ie."



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APPENDIX E

Food Risk Assessment Map

KAVANAGH BURKE

Image extracted from the Flood Maps in www.floodinfo.ie

