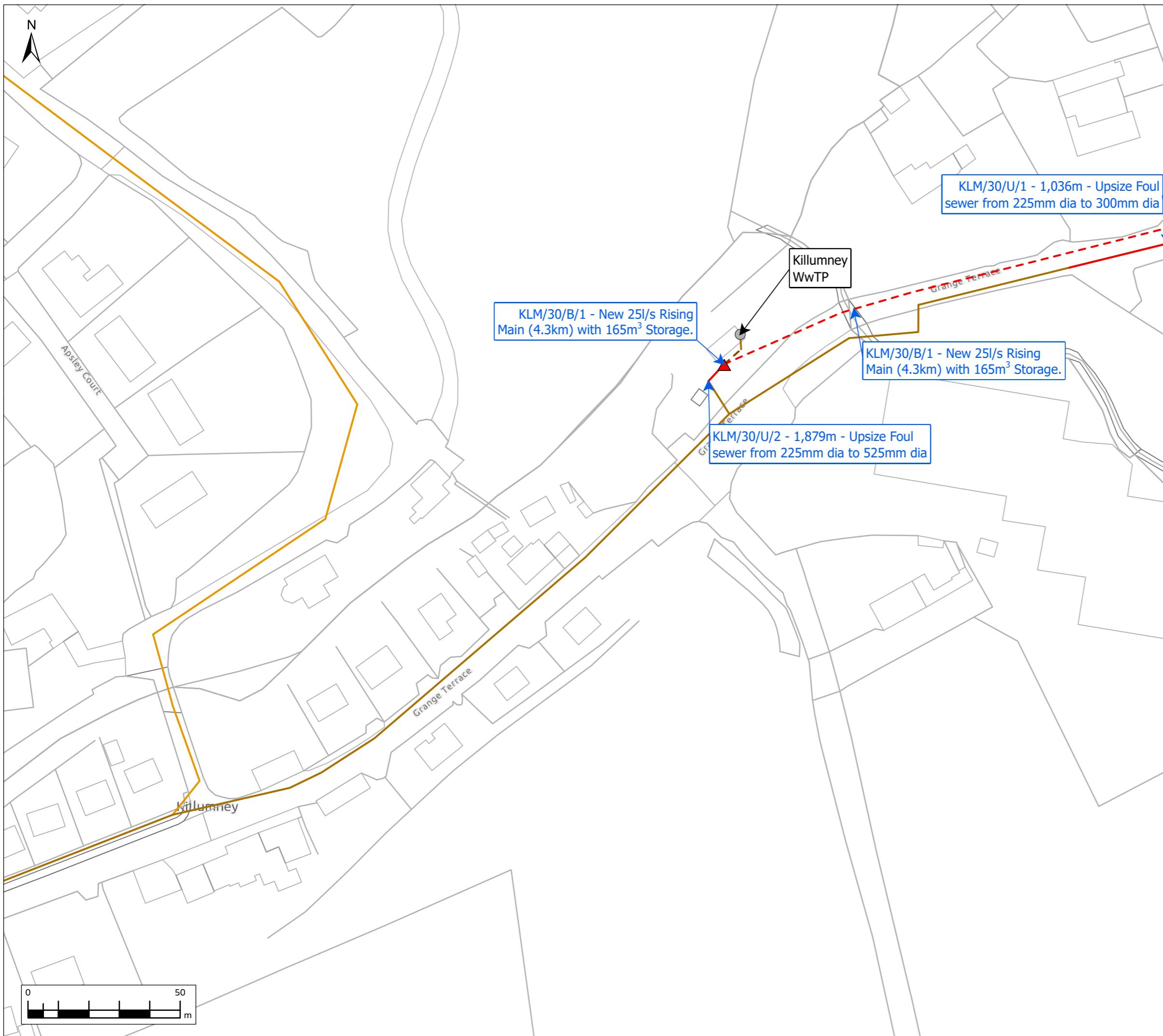
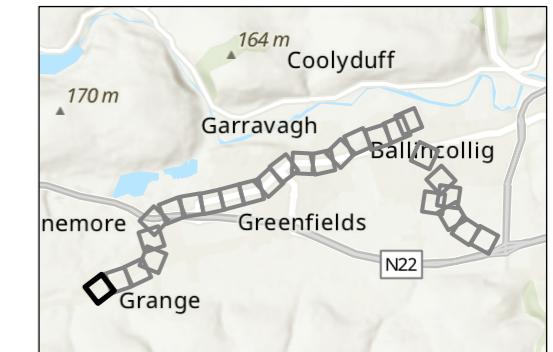


Figure 1



Legend	
<b>Existing Network</b>	
Existing Combined Sewer	Proposed WwPS
Existing Foul Sewer	Upgrades
Existing Storm Sewer	Proposed Offline
Existing Other Sewer	Storage Station
Existing Combined Trunk Sewer	Proposed Rising
Existing Foul Trunk Sewer	Mains
Existing Storm Trunk Sewer	Proposed Network
Existing Other Trunk Sewer	Upgrades
Existing Rising Mains	Infiltration Removal
Existing SWO	Storm Separation
Existing WwTP	
Existing WwPS	
<b>Development Networks</b>	
2030	2030
2055	2055
2080	2080
<b>Development Sites</b>	
2030	2030
2055	2055
2080	2080
<b>Proposed Upgrades</b>	
Proposed SWO	Proposed SWO
Upgrades	Upgrades
Proposed WwTP	Proposed WwTP
Upgrades	Upgrades
<b>Upgrade Scenario label</b>	
2030	2030
2055	2055
2080	2080



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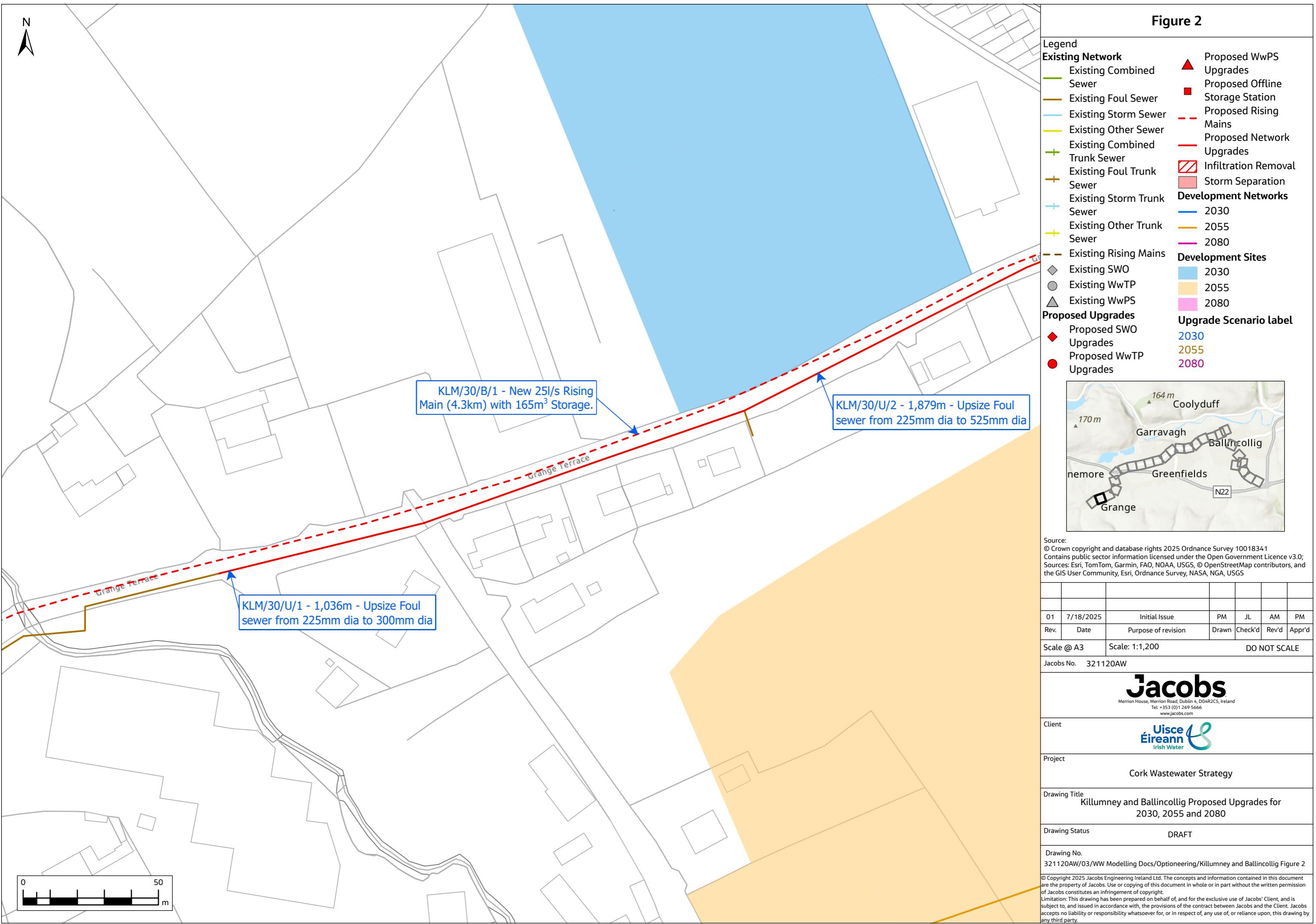
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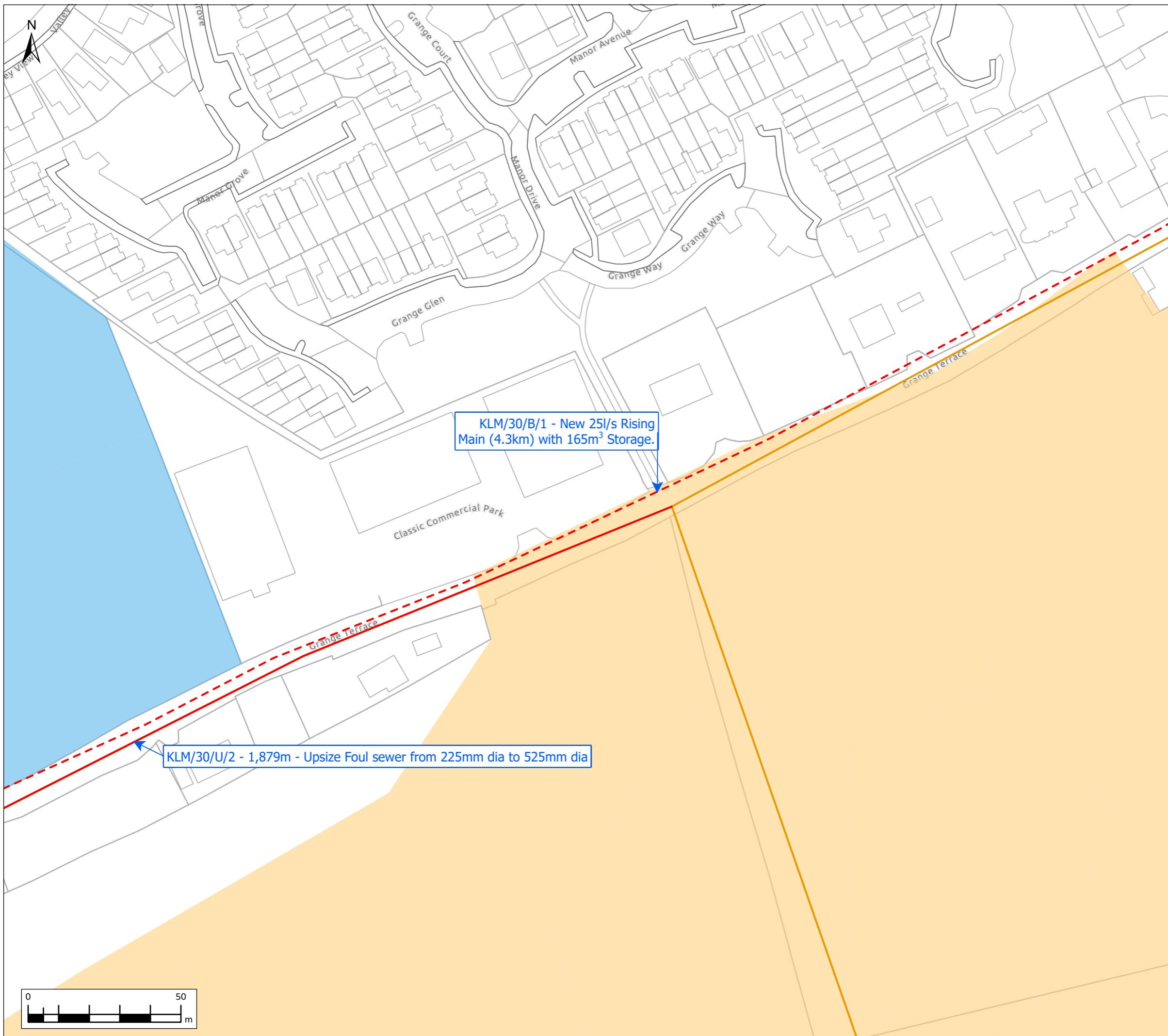
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Client	
Project	Cork Wastewater Strategy
Drawing Title	Killumney and Ballincollig Proposed Upgrades for 2030, 2055 and 2080
Drawing Status	DRAFT
Drawing No.	321120AW/03/WW Modelling Docs/Optioneering/Killumney and Ballincollig Figure 1

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Figure 2





**Figure 3**

**Legend**

**Existing Network**

- Existing Combined Sewer
- Existing Foul Sewer
- Existing Storm Sewer
- Existing Other Sewer
- Existing Combined Trunk Sewer
- Existing Foul Trunk Sewer
- Existing Storm Trunk Sewer
- Existing Other Trunk Sewer
- Existing Rising Mains
- Existing SWO
- Existing WwTP
- Existing WwPS

**Proposed Upgrades**

- Proposed SWO Upgrades
- Proposed WwTP Upgrades
- Proposed WwPS Upgrades

**Proposed**

- Upgrades
- Proposed Offline Storage Station
- Proposed Rising Mains
- Proposed Network Upgrades
- Infiltration Removal
- Storm Separation

**Development Networks**

- 2030
- 2055
- 2080

**Development Sites**

- 2030
- 2055
- 2080

**Upgrade Scenario label**

- 2030
- 2055
- 2080



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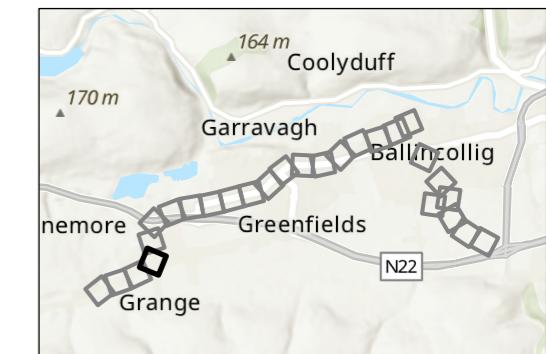
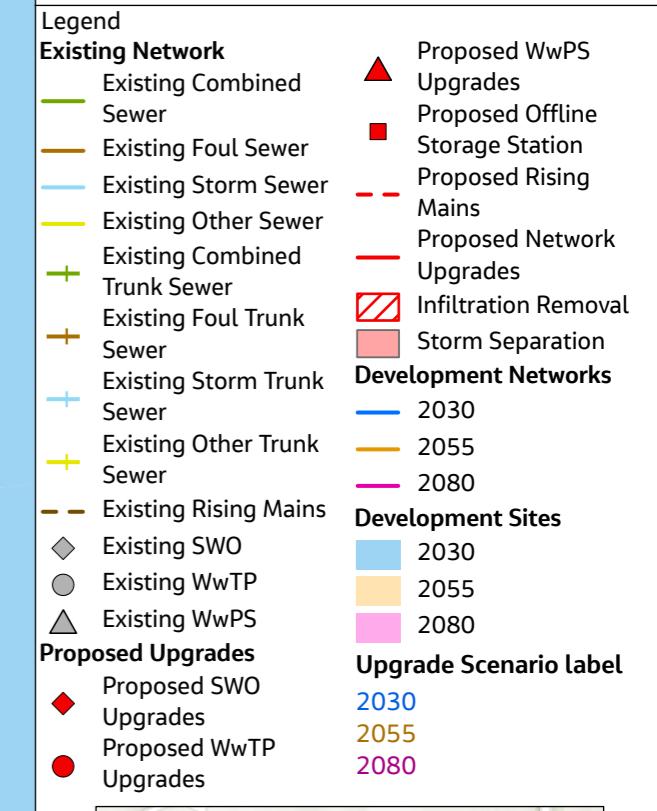
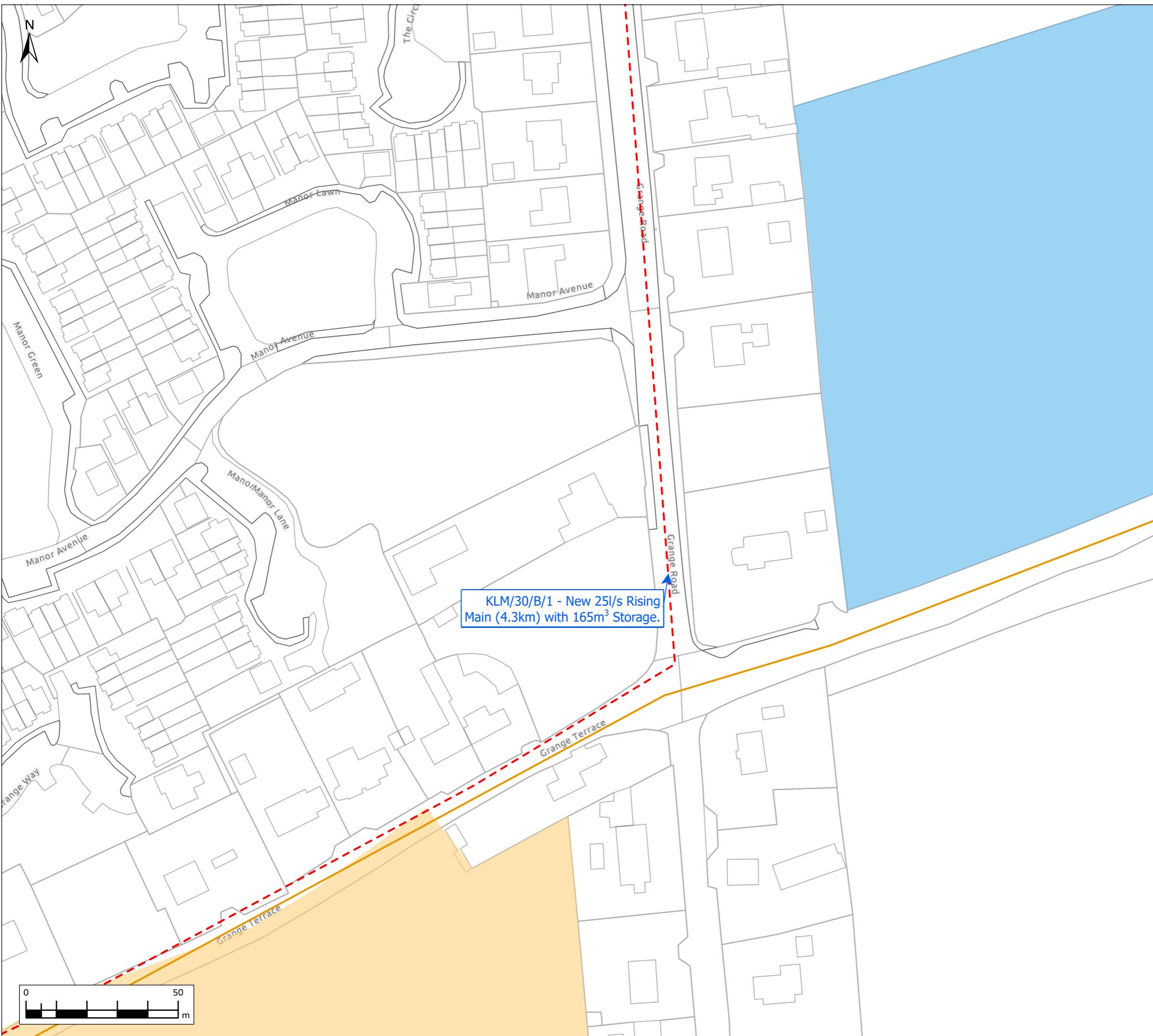
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Figure 4



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Drawing Title  
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Figure 5

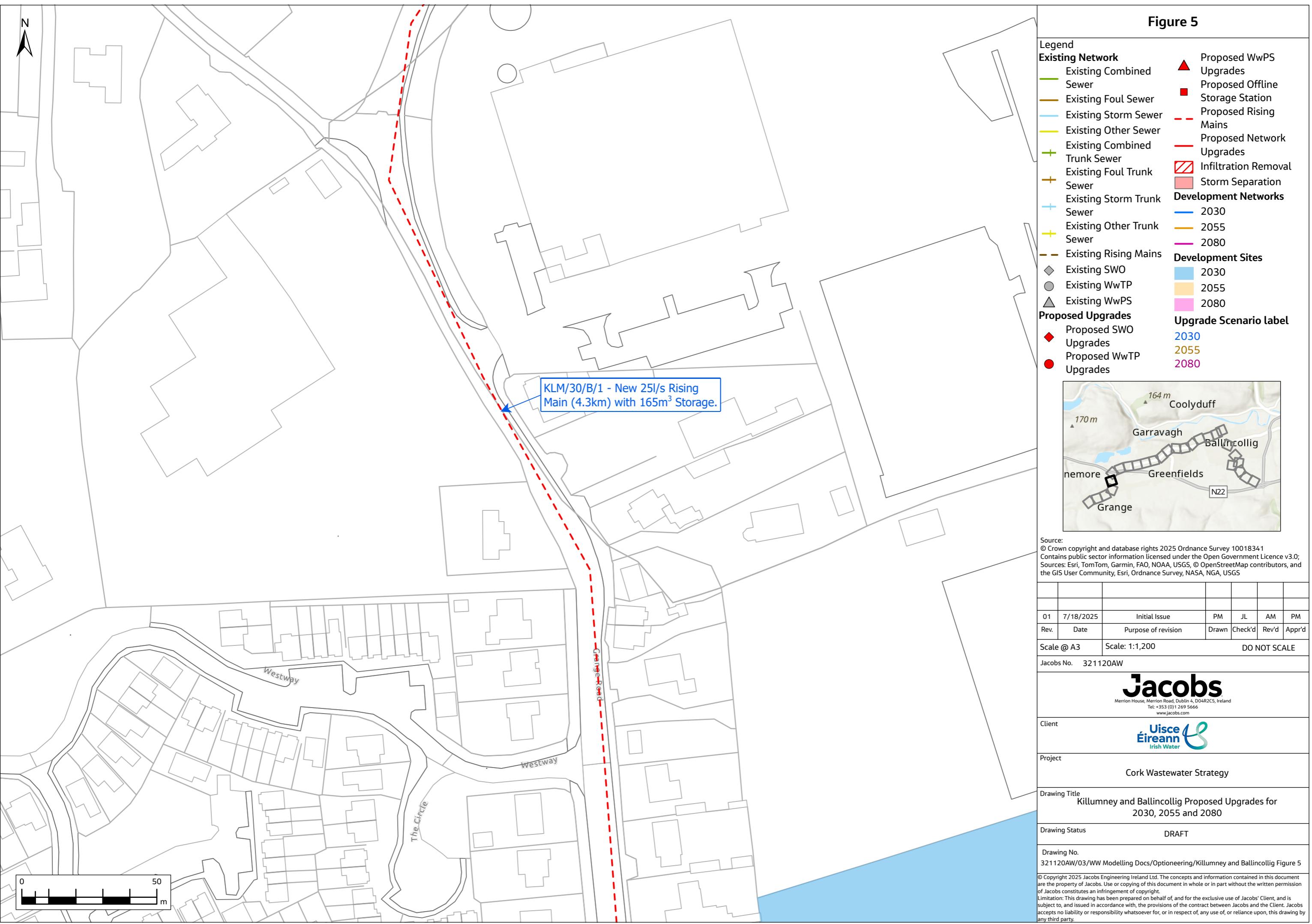


Figure 6

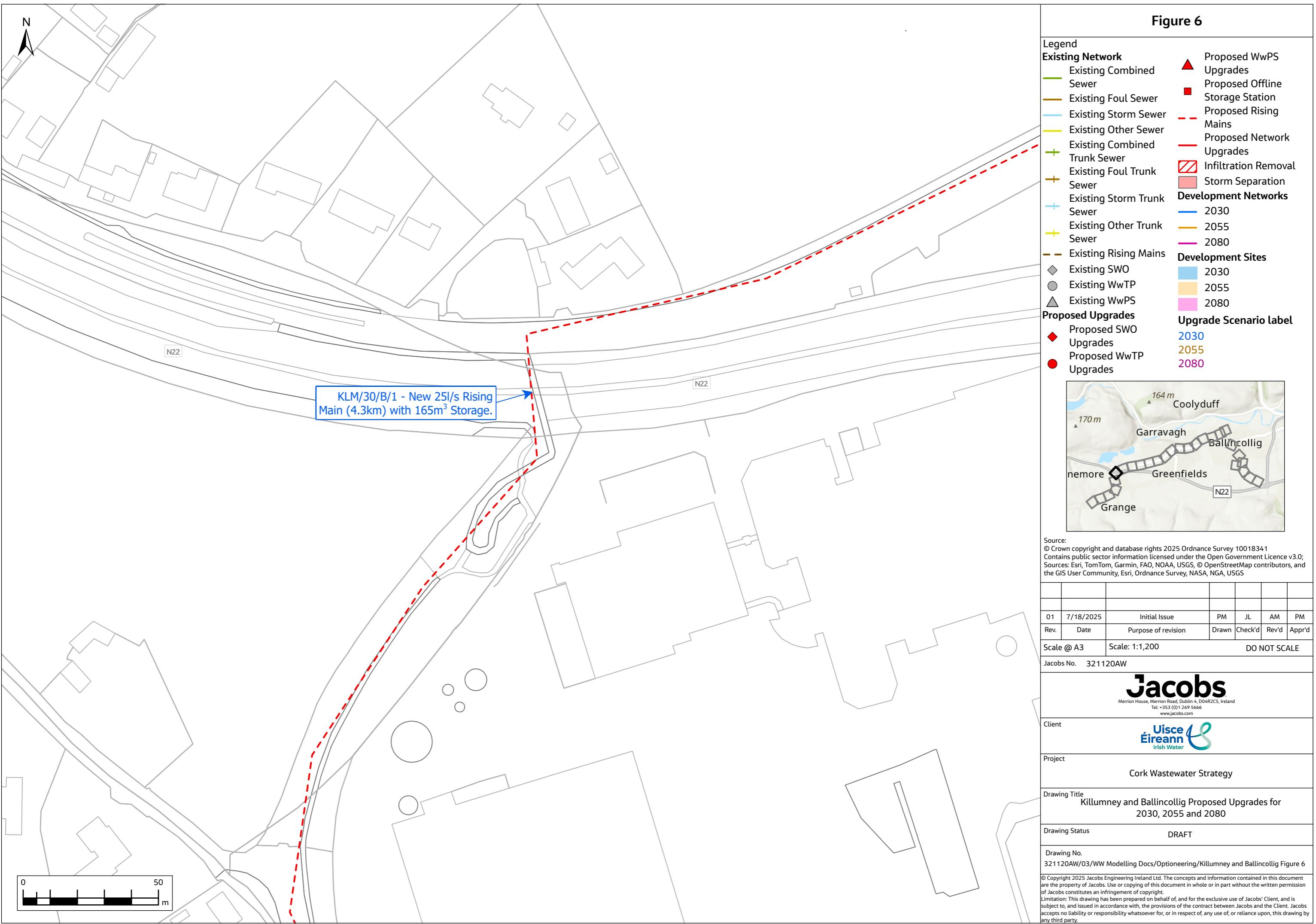
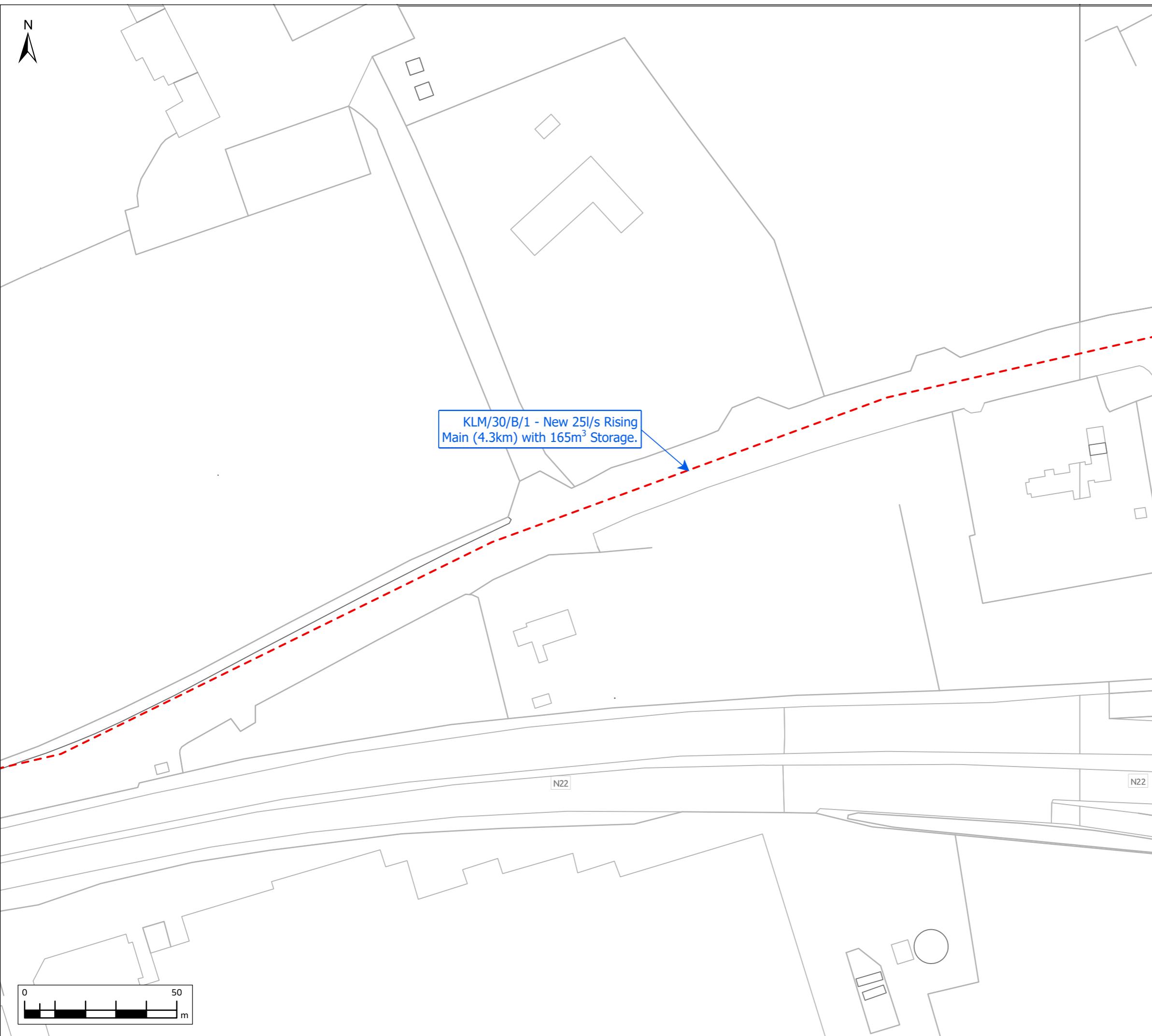
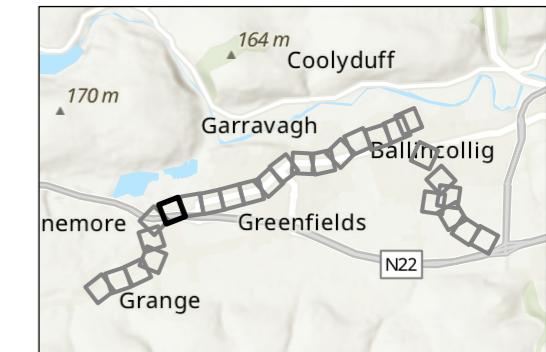


Figure 7



Legend	
<b>Existing Network</b>	
Existing Combined Sewer	Proposed WwPS
Existing Foul Sewer	Upgrades
Existing Storm Sewer	Proposed Offline
Existing Other Sewer	Storage Station
Existing Combined Trunk Sewer	Proposed Rising
Existing Foul Trunk Sewer	Mains
Existing Sewer	Proposed Network
Existing Storm Trunk Sewer	Upgrades
Existing Other Trunk Sewer	Infiltration Removal
Existing Rising Mains	Storm Separation
Existing SWO	<b>Development Networks</b>
Existing WwTP	2030
Existing WwPS	2055
Proposed Upgrades	2080
Proposed SWO	<b>Development Sites</b>
Upgrades	2030
Proposed WwTP	2055
Upgrades	2080
<b>Upgrade Scenario label</b>	
2030	<b>Upgrade Scenario label</b>
2055	2030
2080	2055
Upgrades	2080



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Drawing Title Killumney and Ballincollig Proposed Upgrades for 2030, 2055 and 2080

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Figure 8

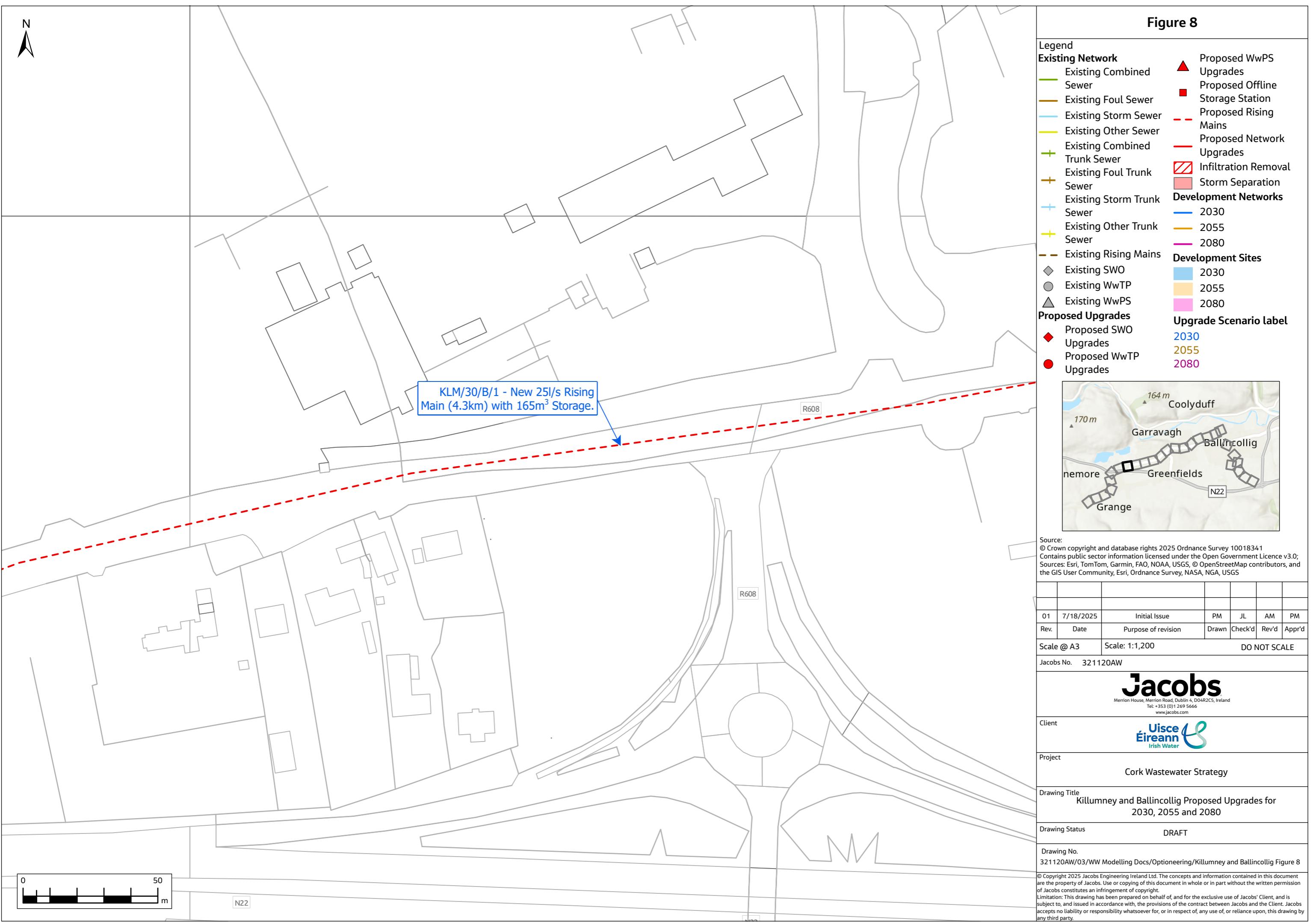
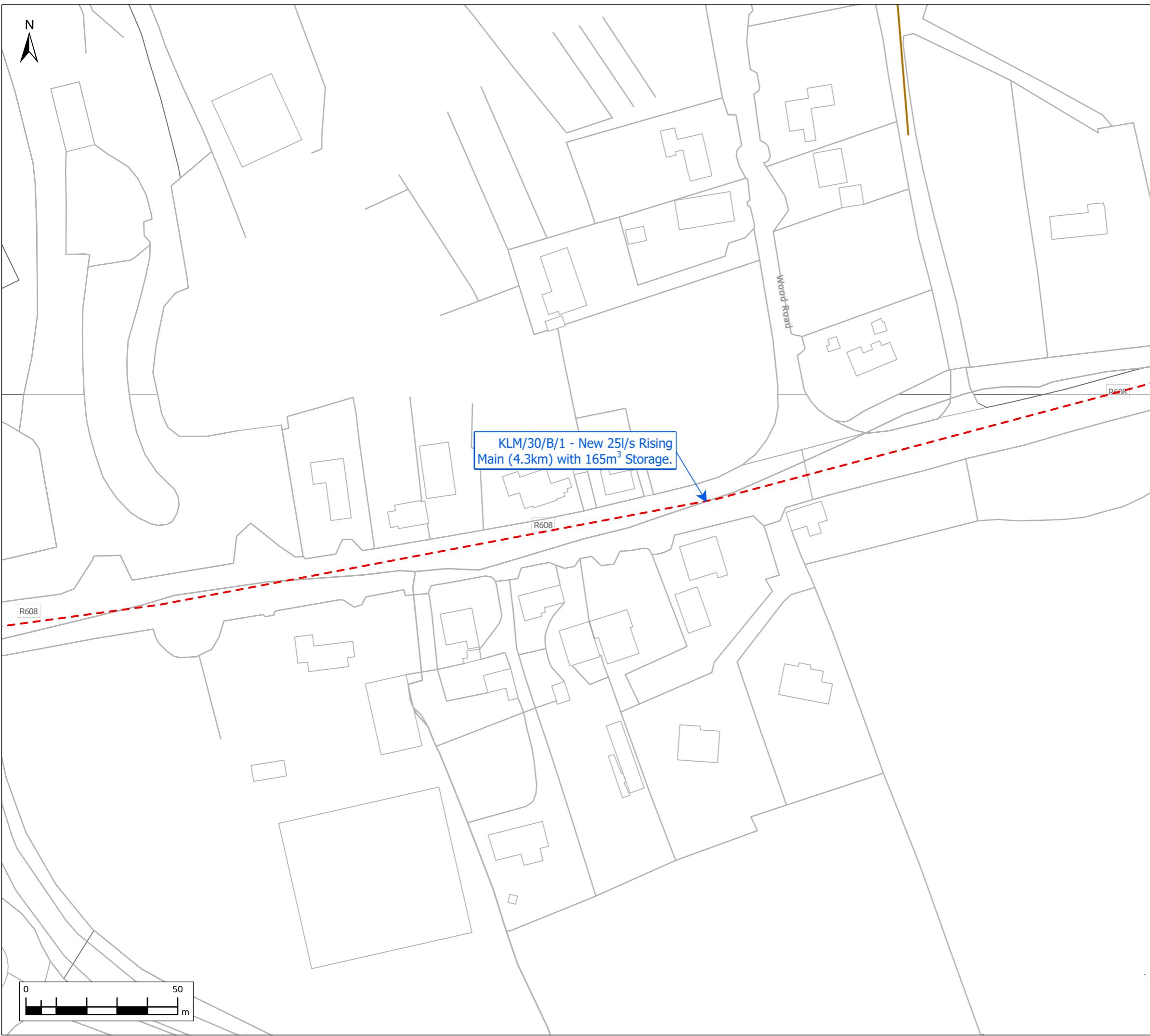
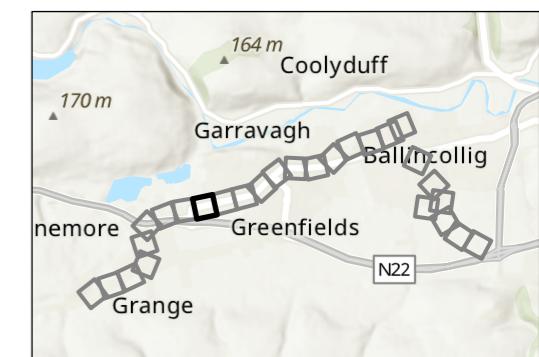


Figure 9



Legend	
<b>Existing Network</b>	
Existing Combined Sewer	Proposed WwPS
Existing Foul Sewer	Upgrades
Existing Storm Sewer	Proposed Offline
Existing Other Sewer	Storage Station
Existing Combined Trunk Sewer	Proposed Rising
Existing Foul Trunk Sewer	Mains
Existing Storm Trunk Sewer	Proposed Network
Existing Other Trunk Sewer	Upgrades
Existing Sewer	Infiltration Removal
Existing Rising Mains	Storm Separation
Existing SWO	<b>Development Networks</b>
Existing WwTP	2030
Existing WwPS	2055
Proposed Upgrades	2080
Proposed SWO	<b>Development Sites</b>
Upgrades	2030
Proposed WwTP	2055
Upgrades	2080
<b>Upgrade Scenario label</b>	
2030	2030
2055	2055
2080	2080
<b>Proposed Upgrades</b>	
Proposed SWO	<b>Development Sites</b>
Upgrades	2030
Proposed WwTP	2055
Upgrades	2080



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Figure 10

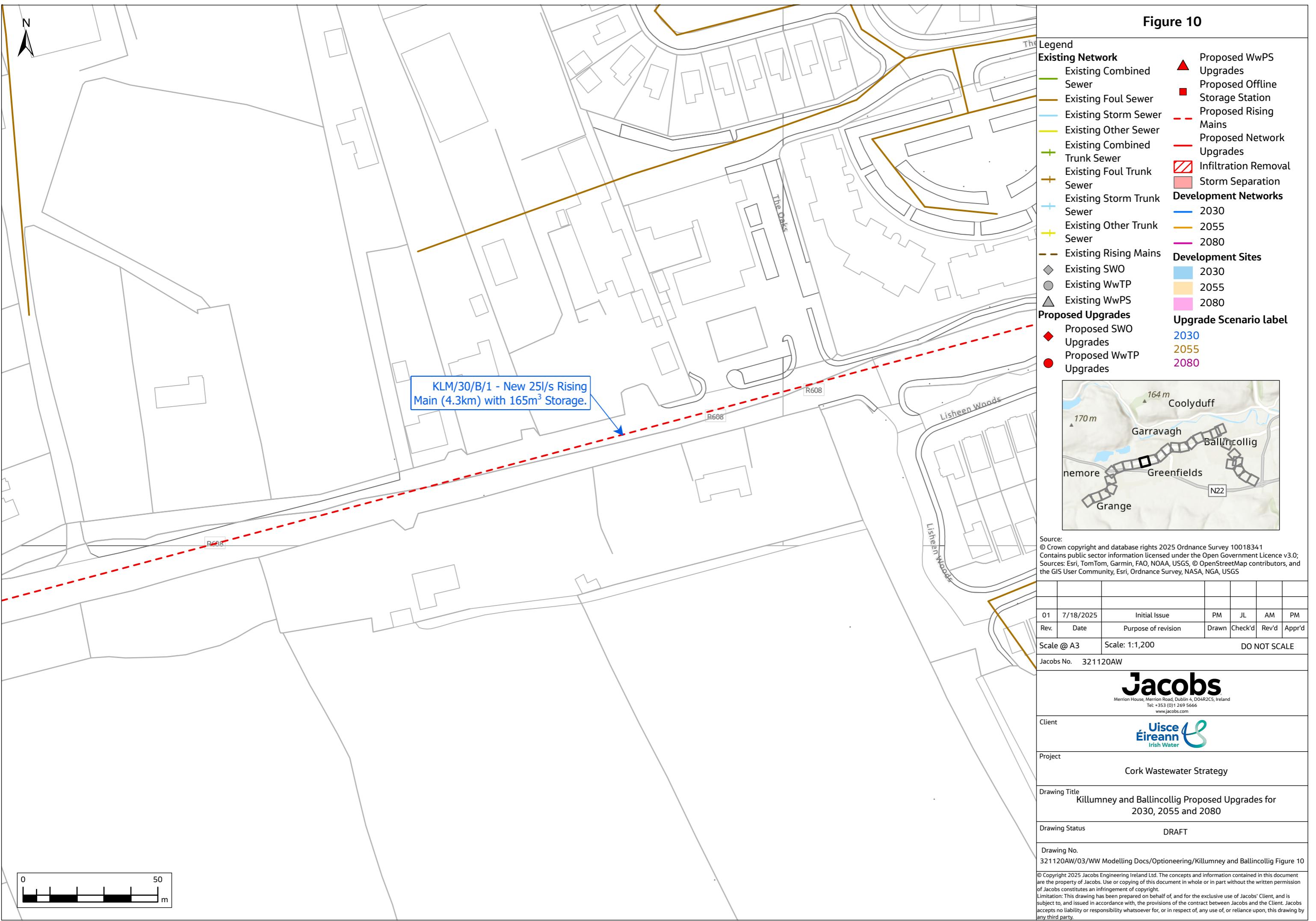


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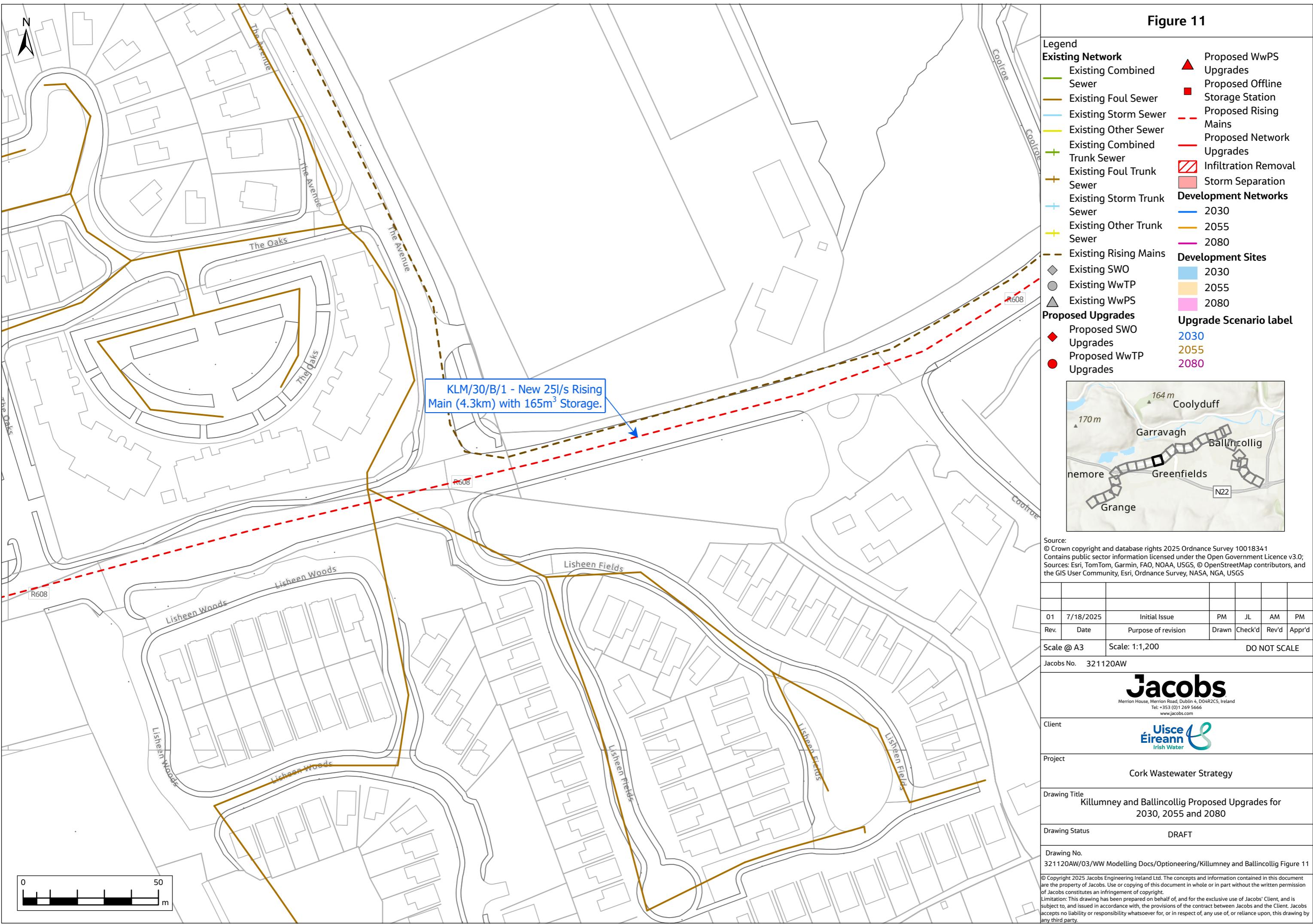


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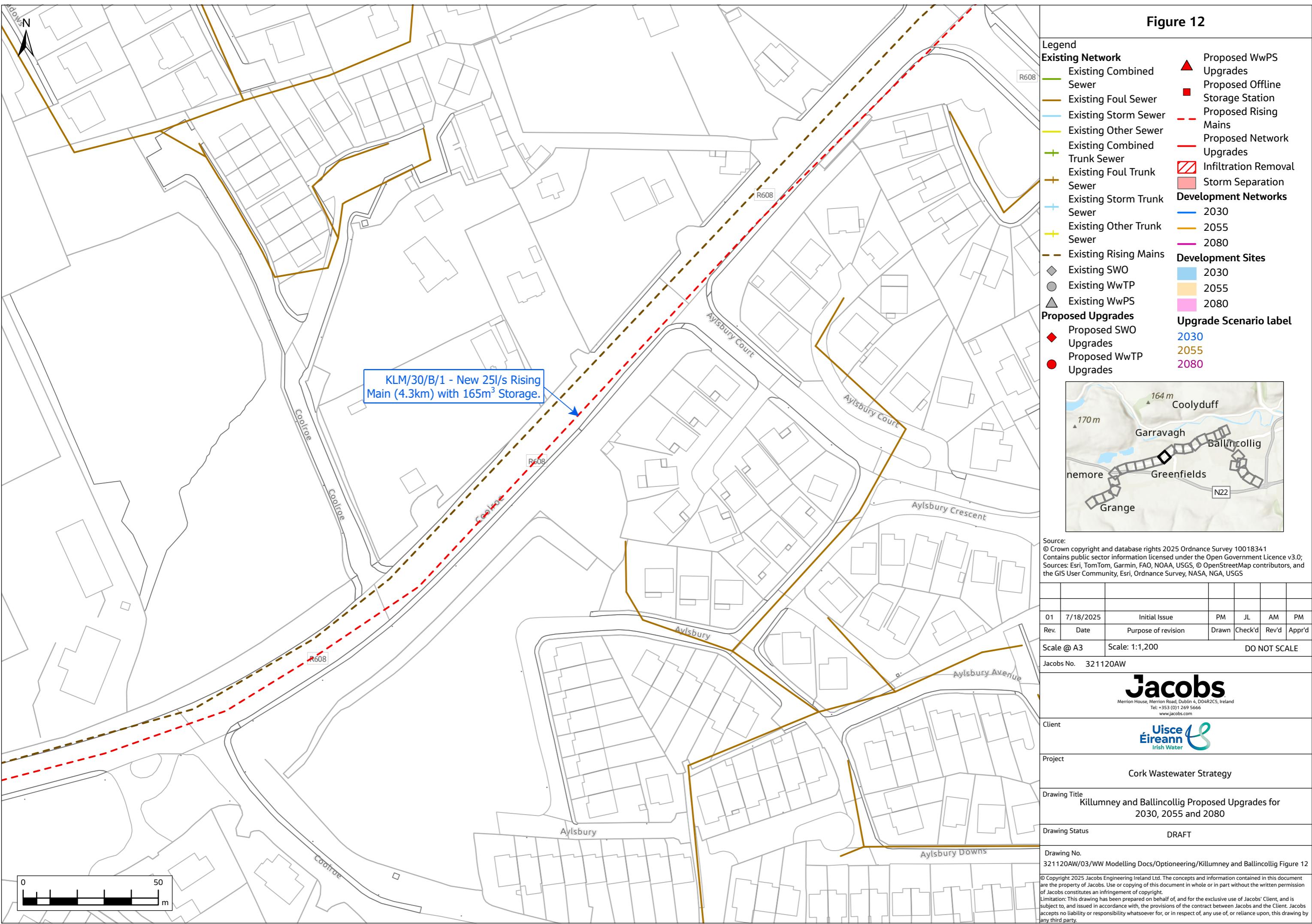
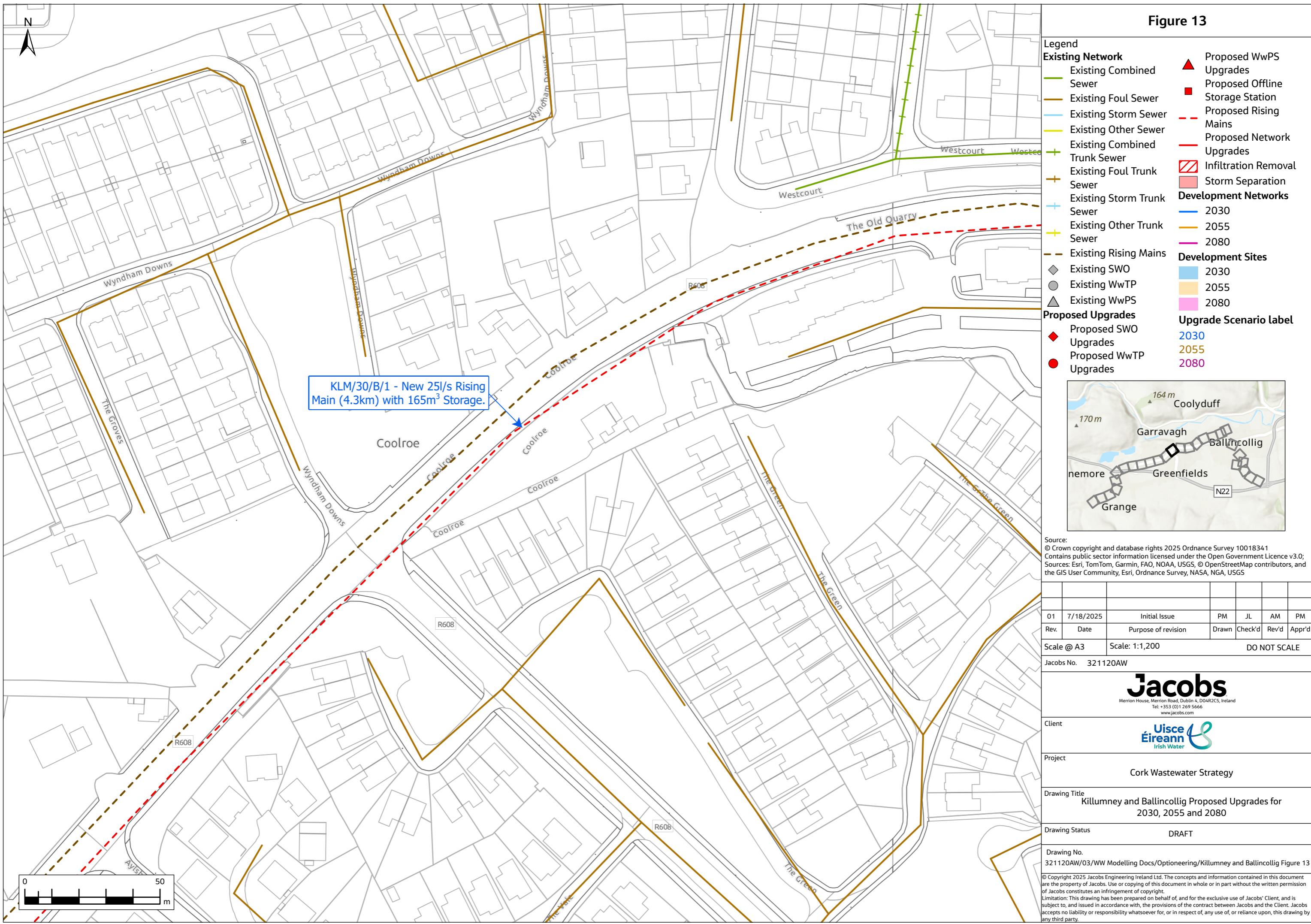
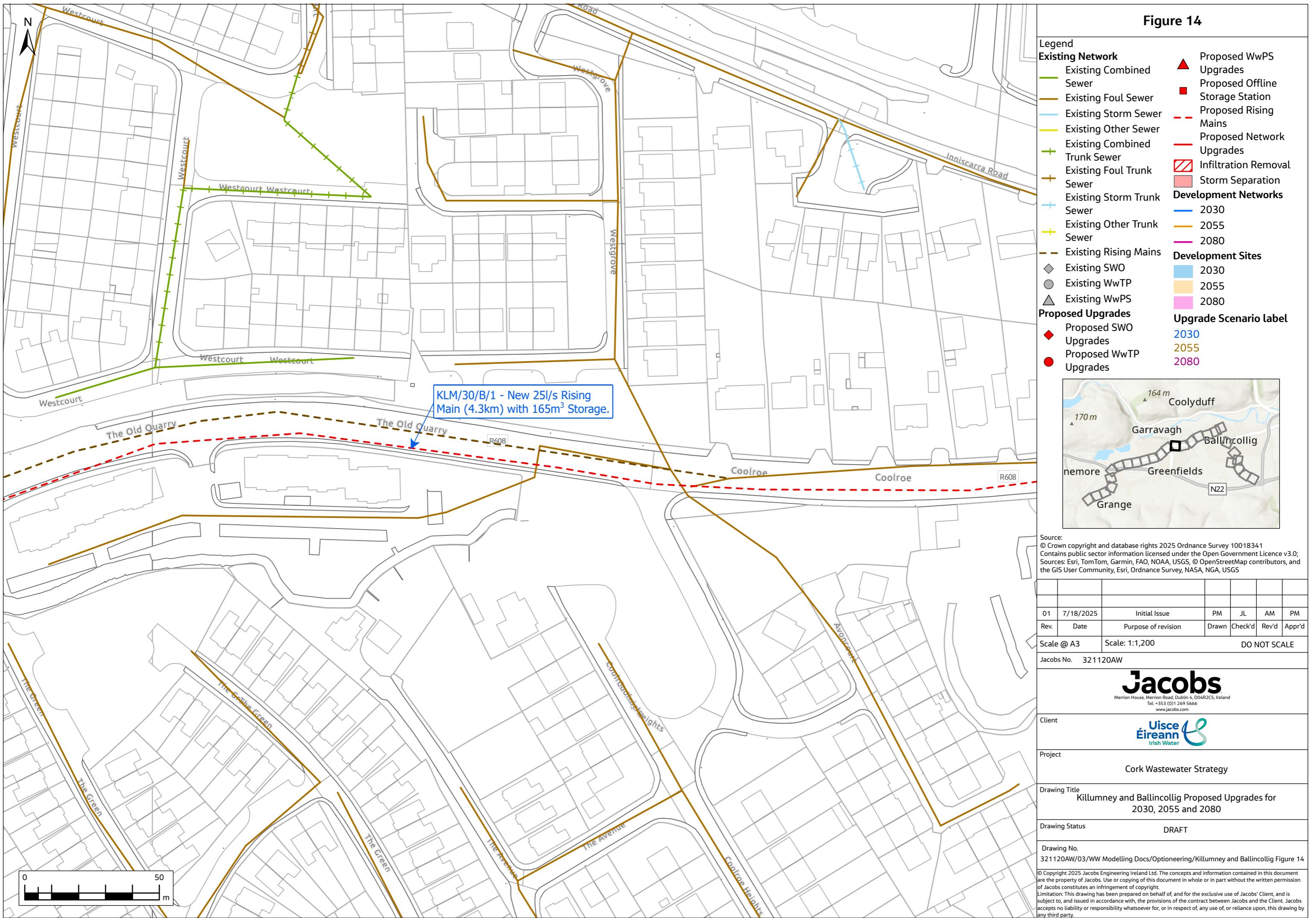


Figure 13



**Figure 14**



**Figure 15**

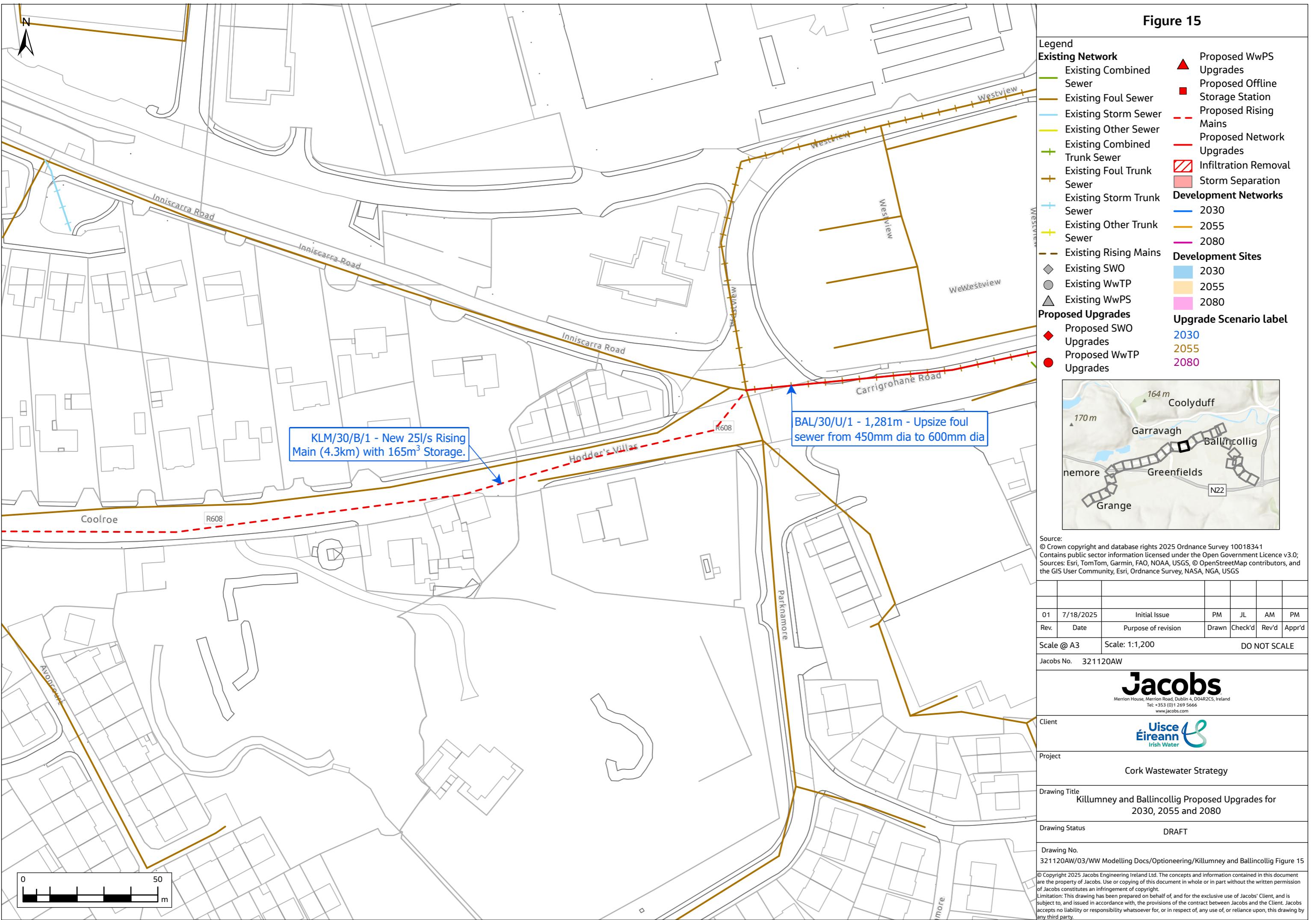
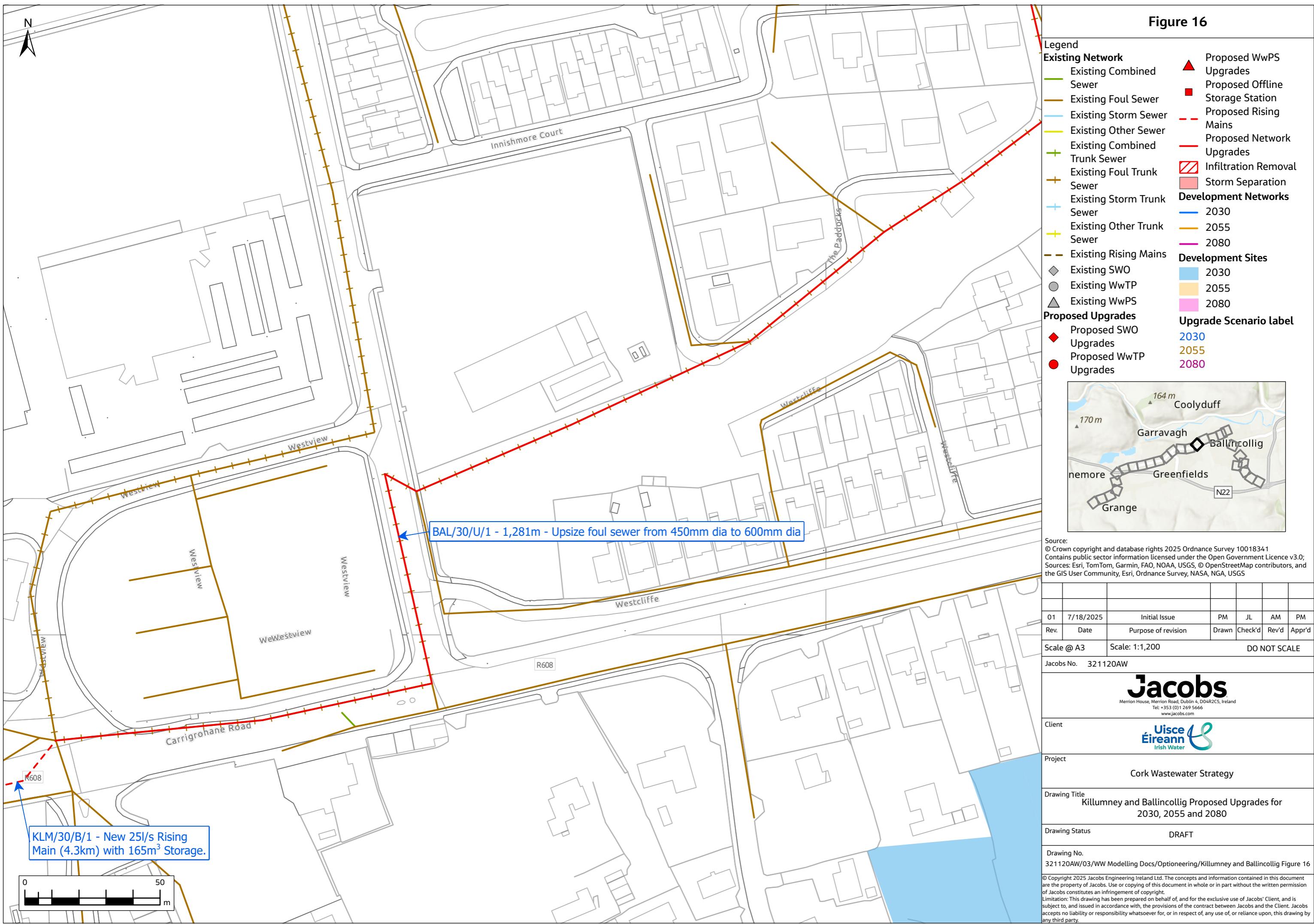


Figure 16



**Figure 17**

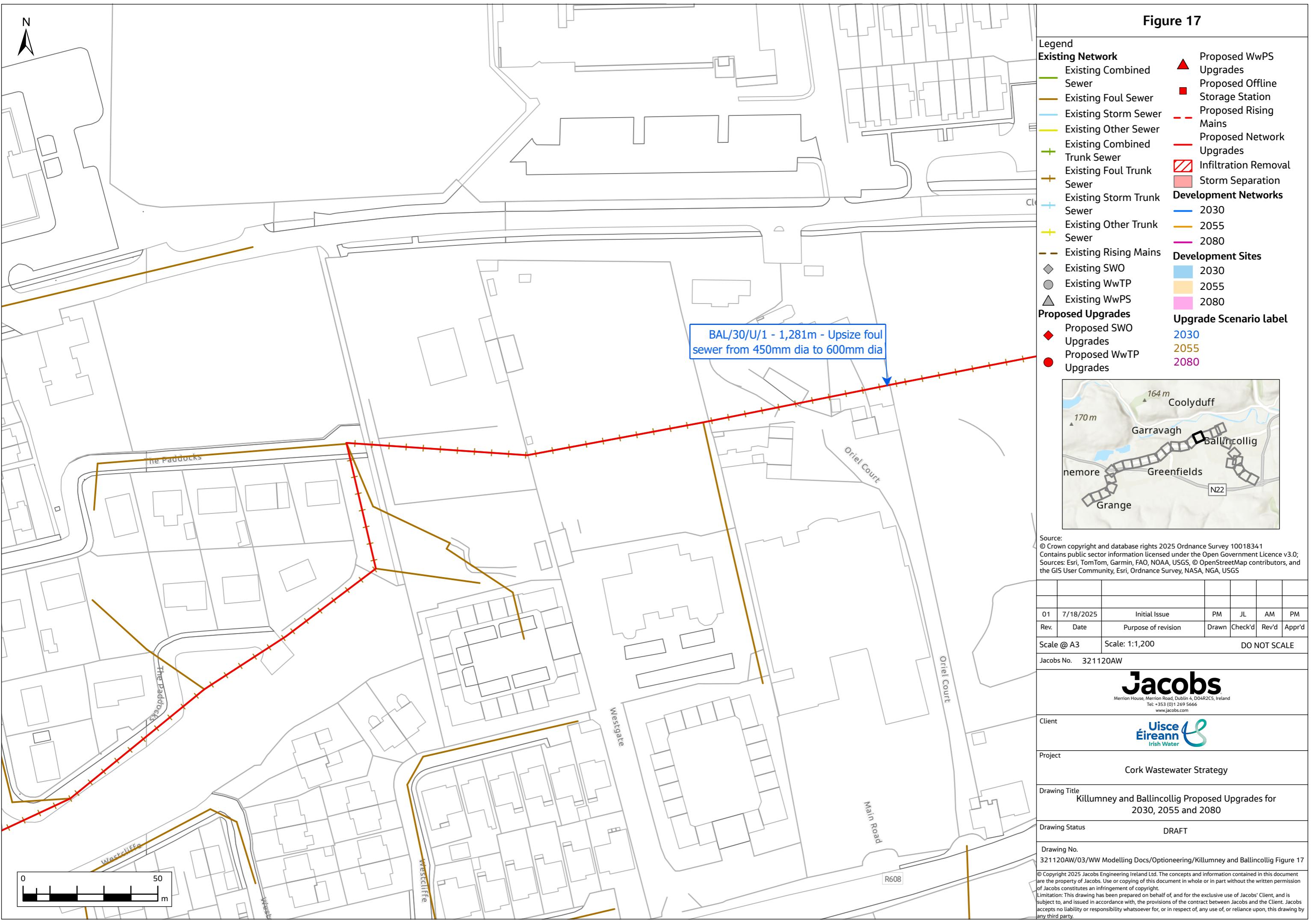
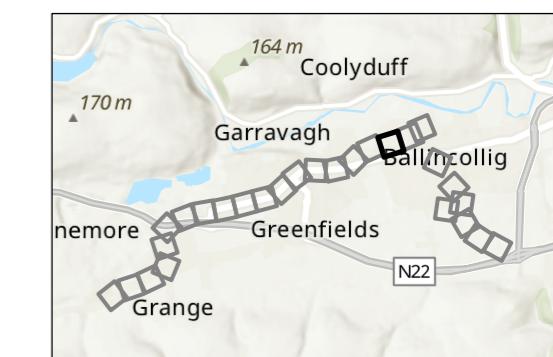
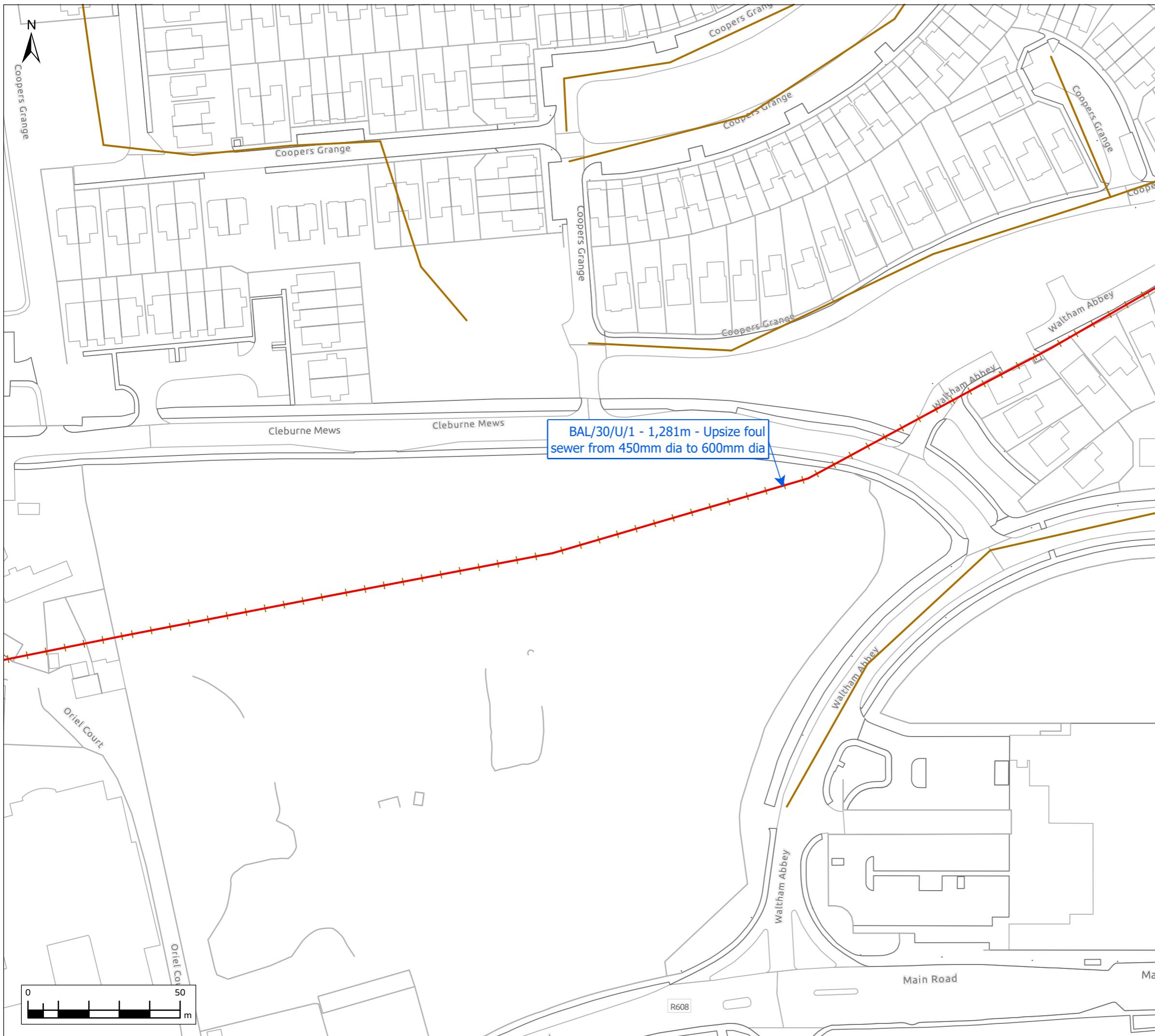


Figure 18



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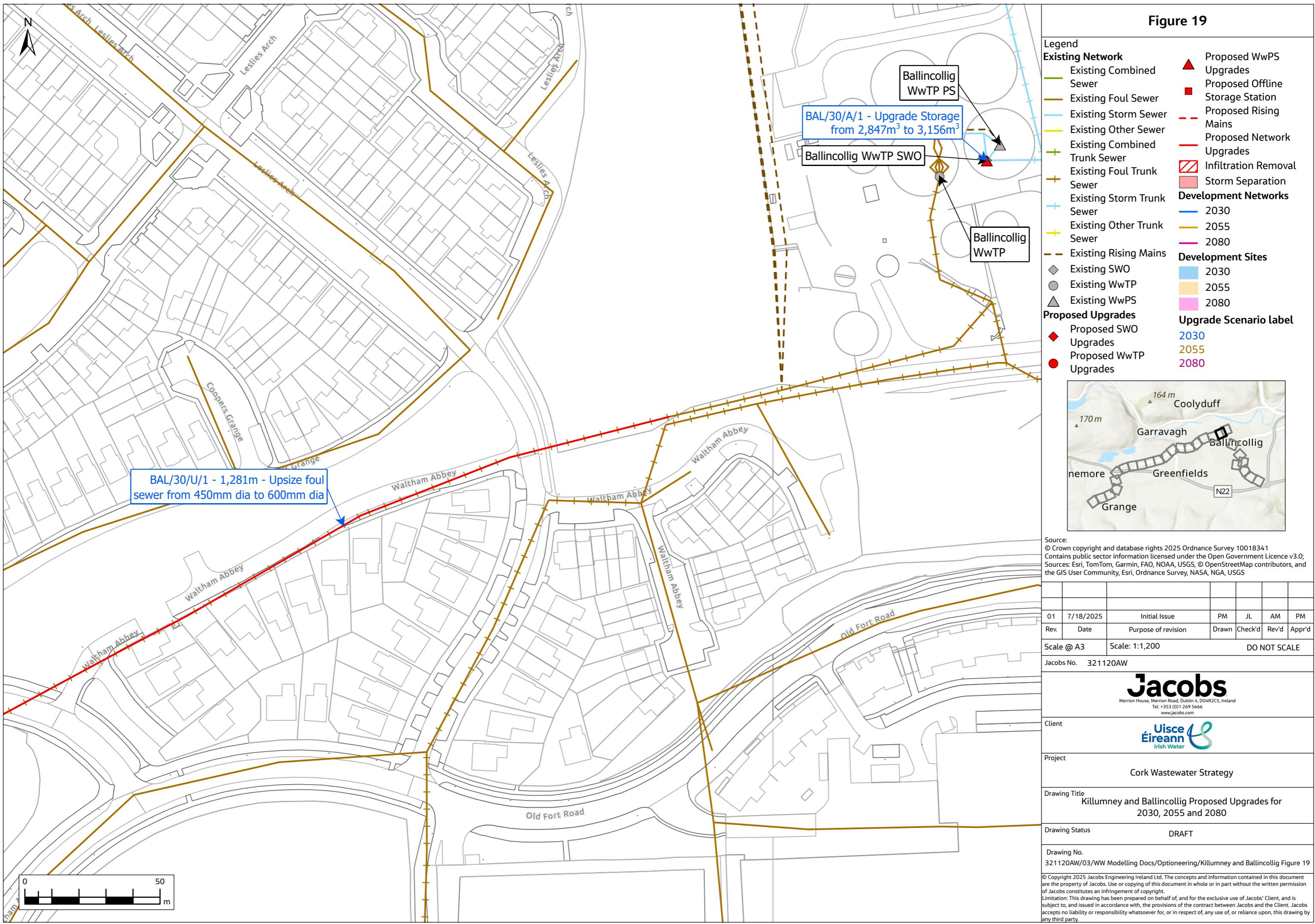


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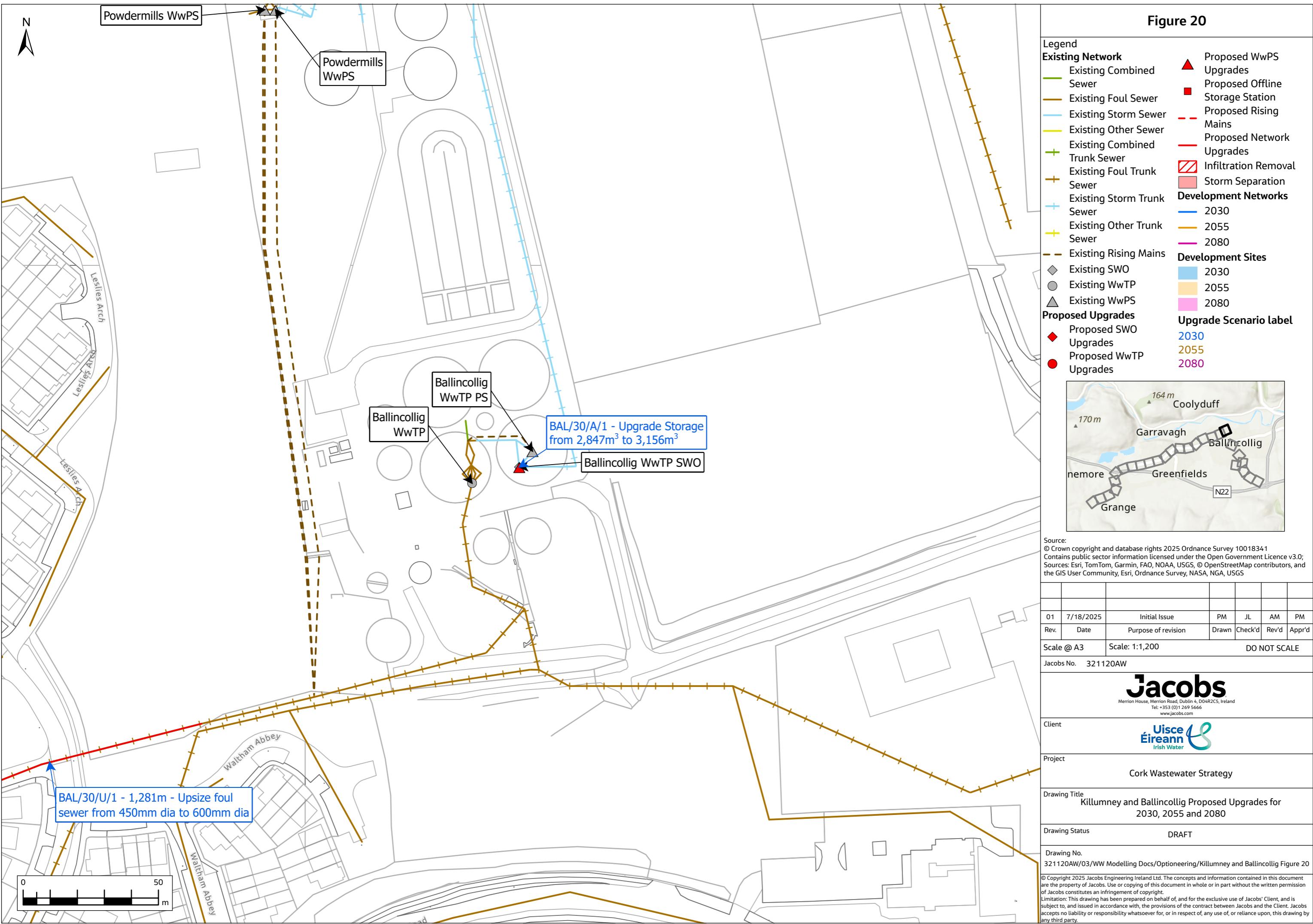


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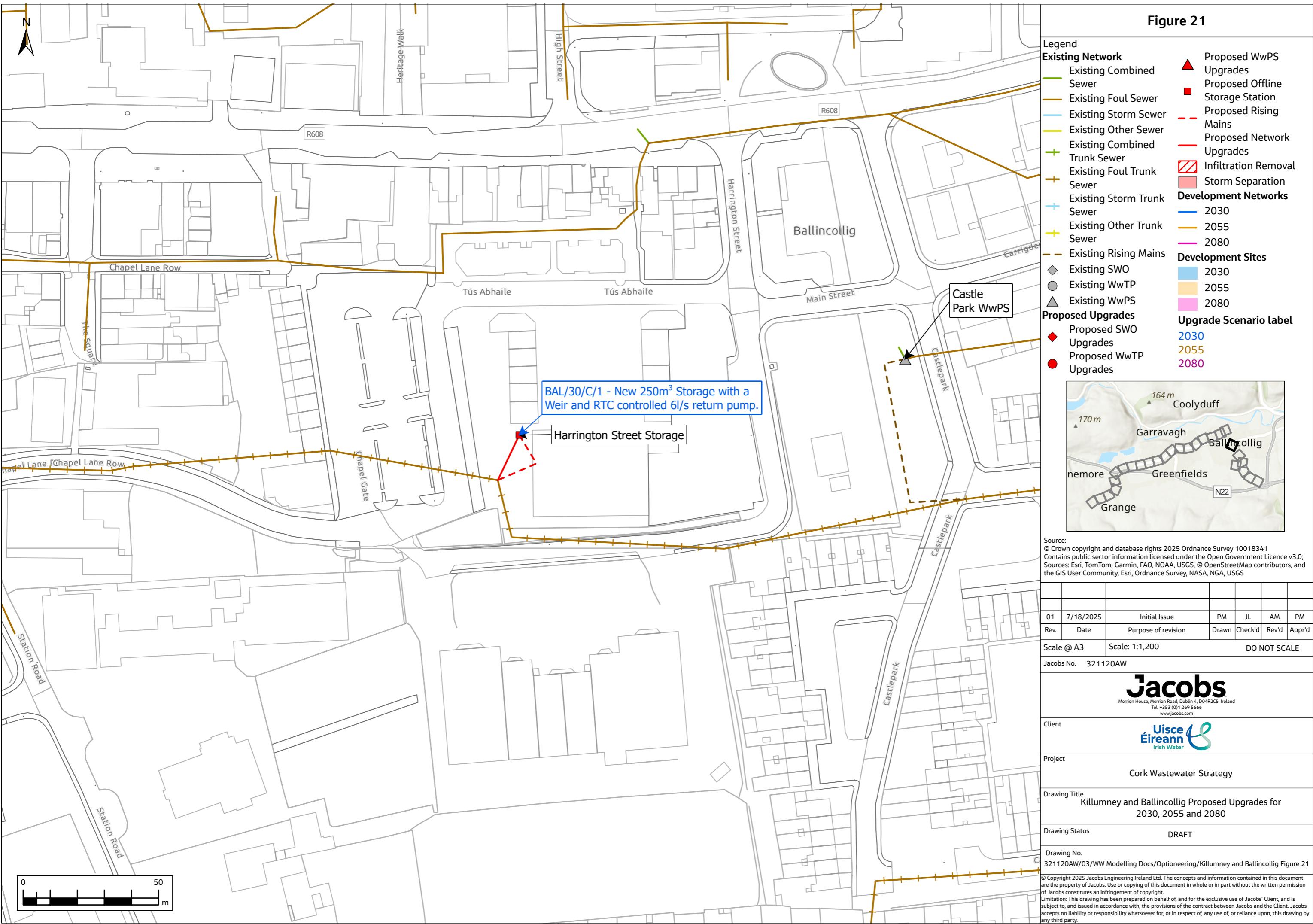


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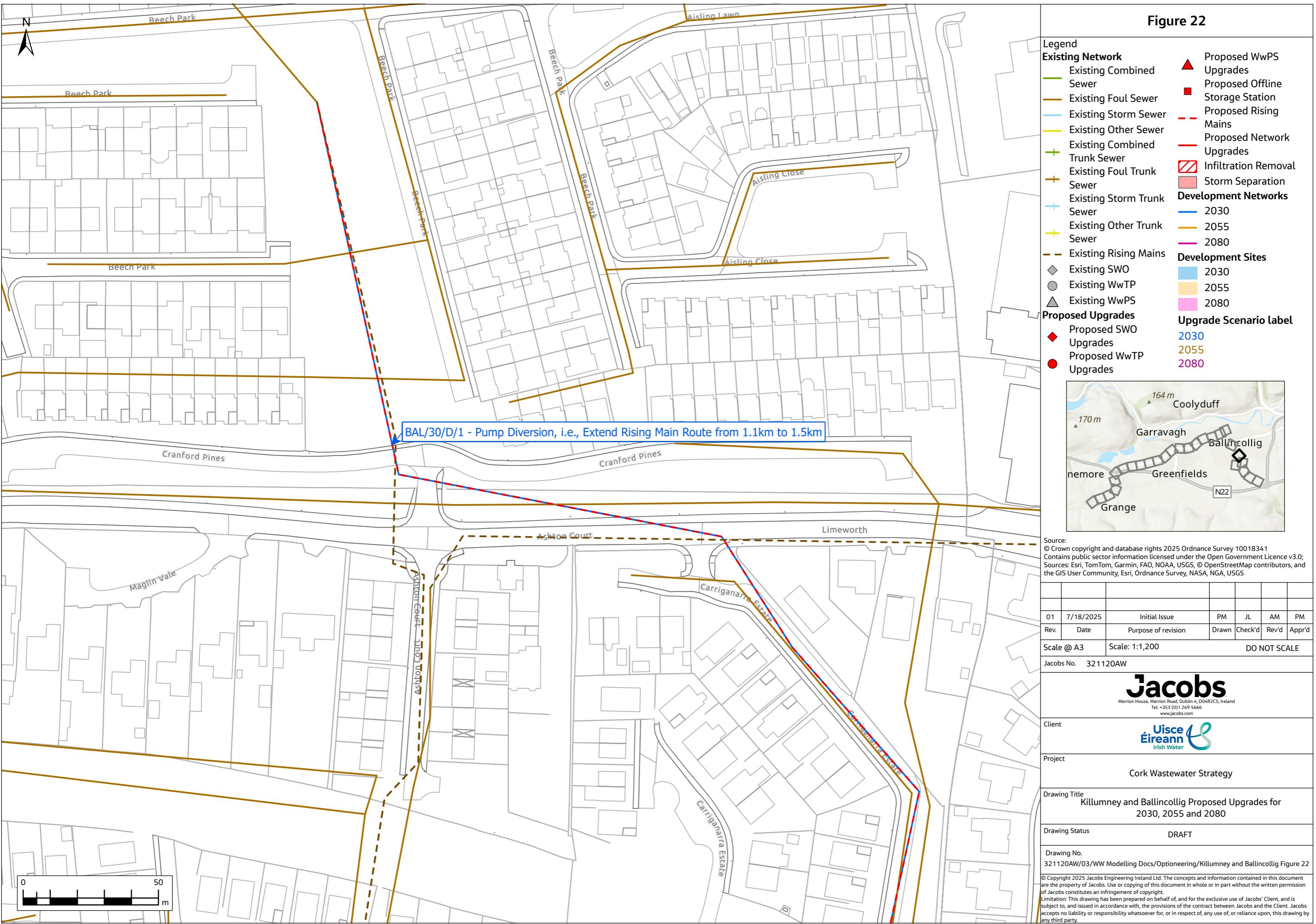


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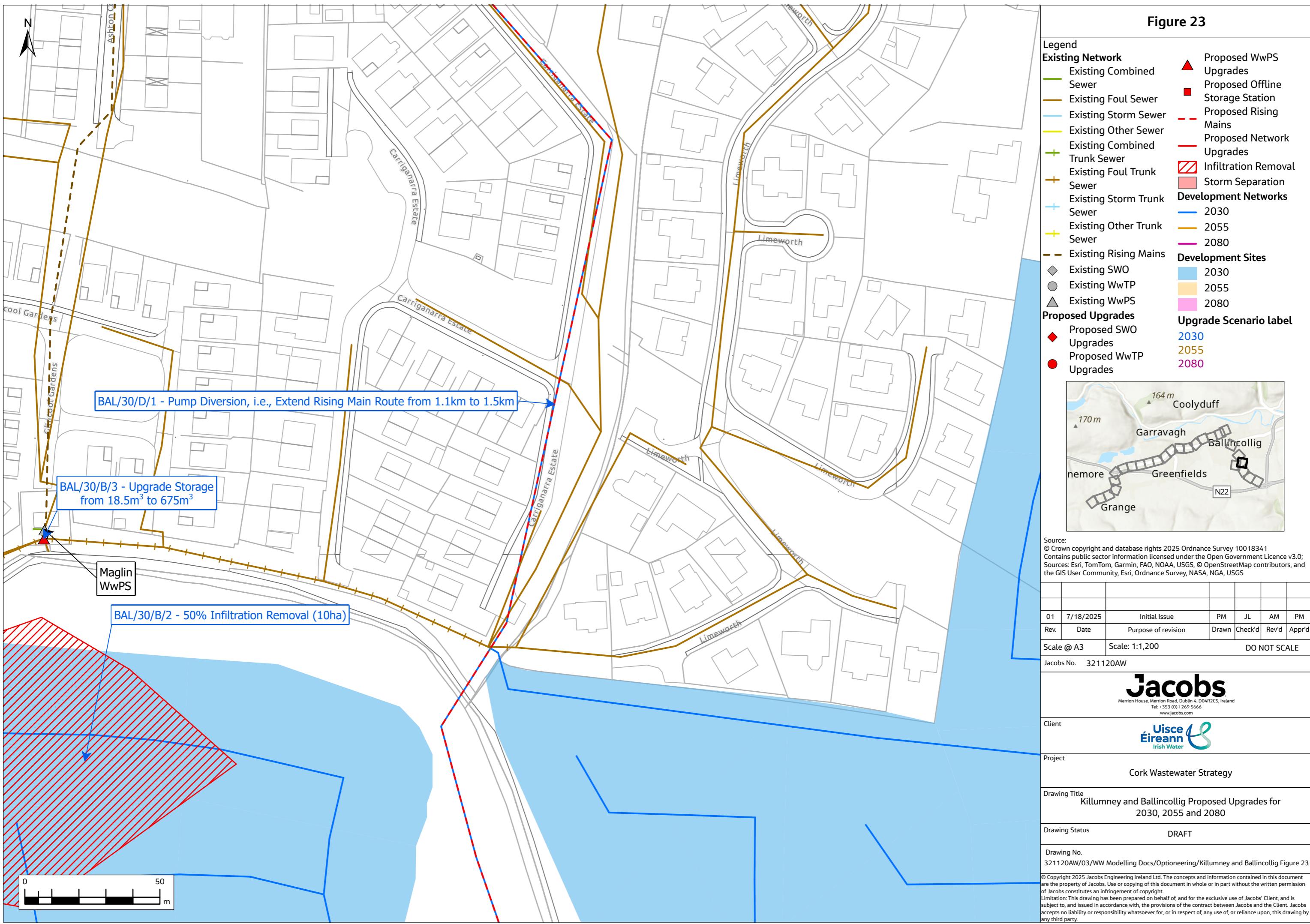


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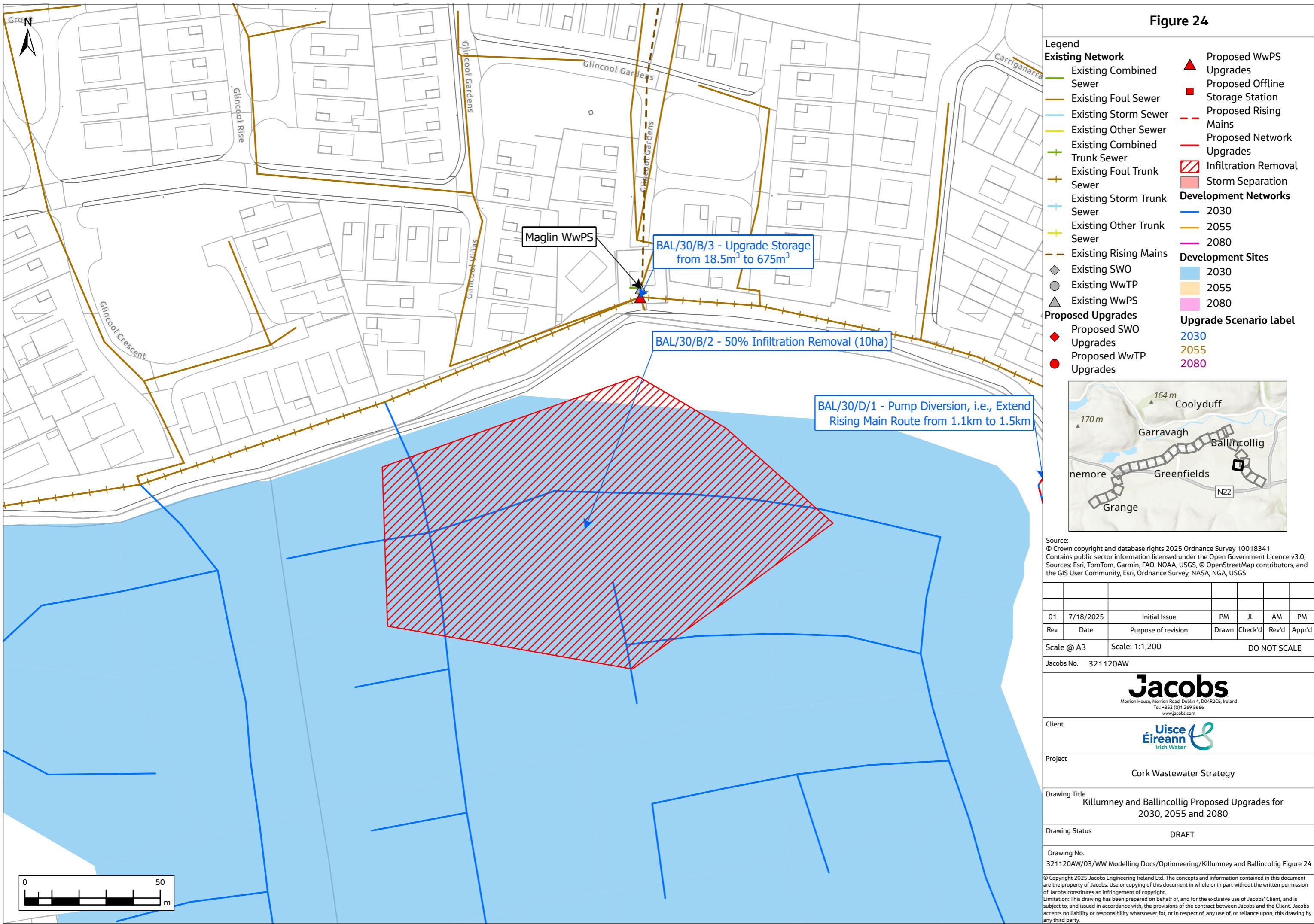


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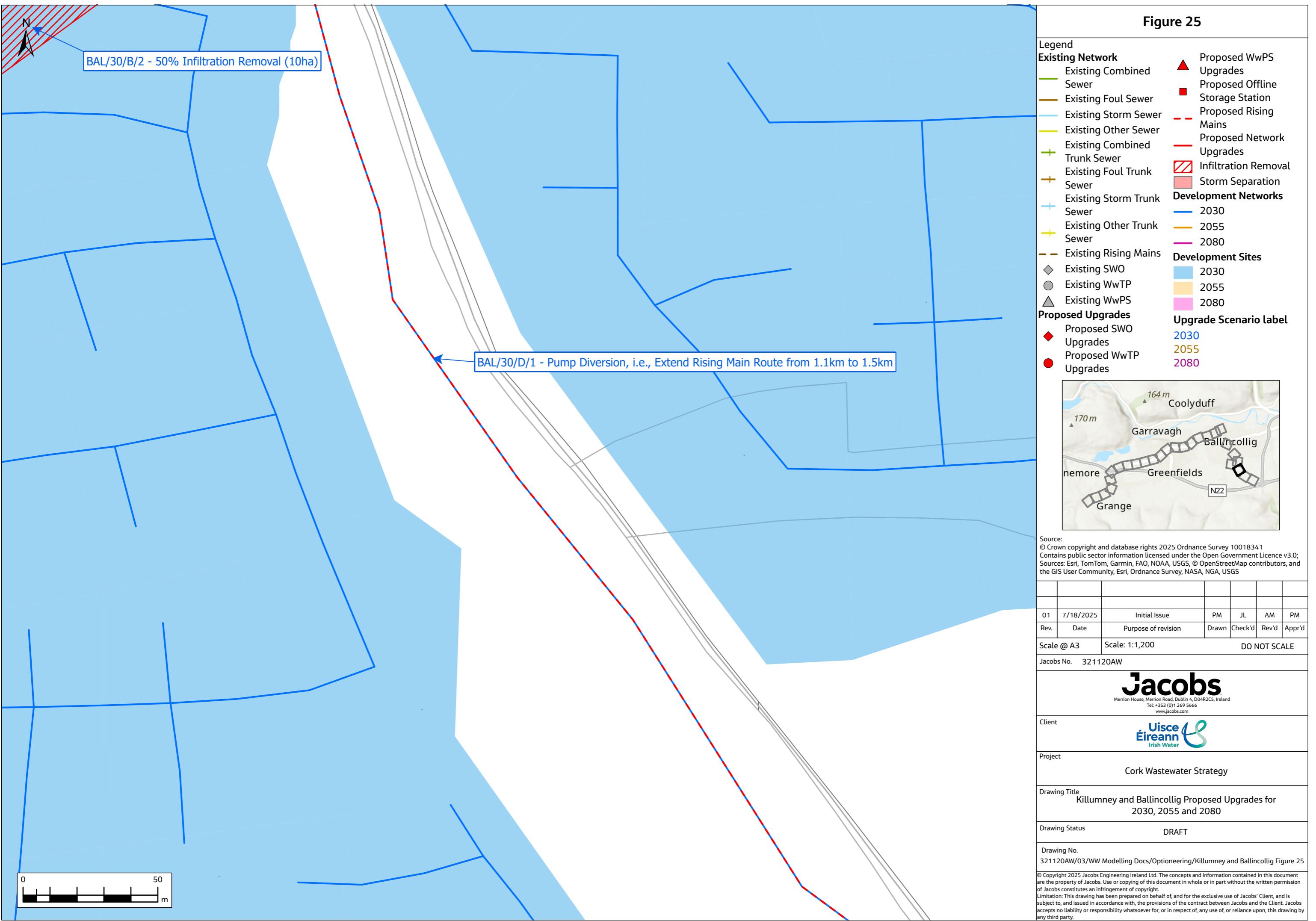


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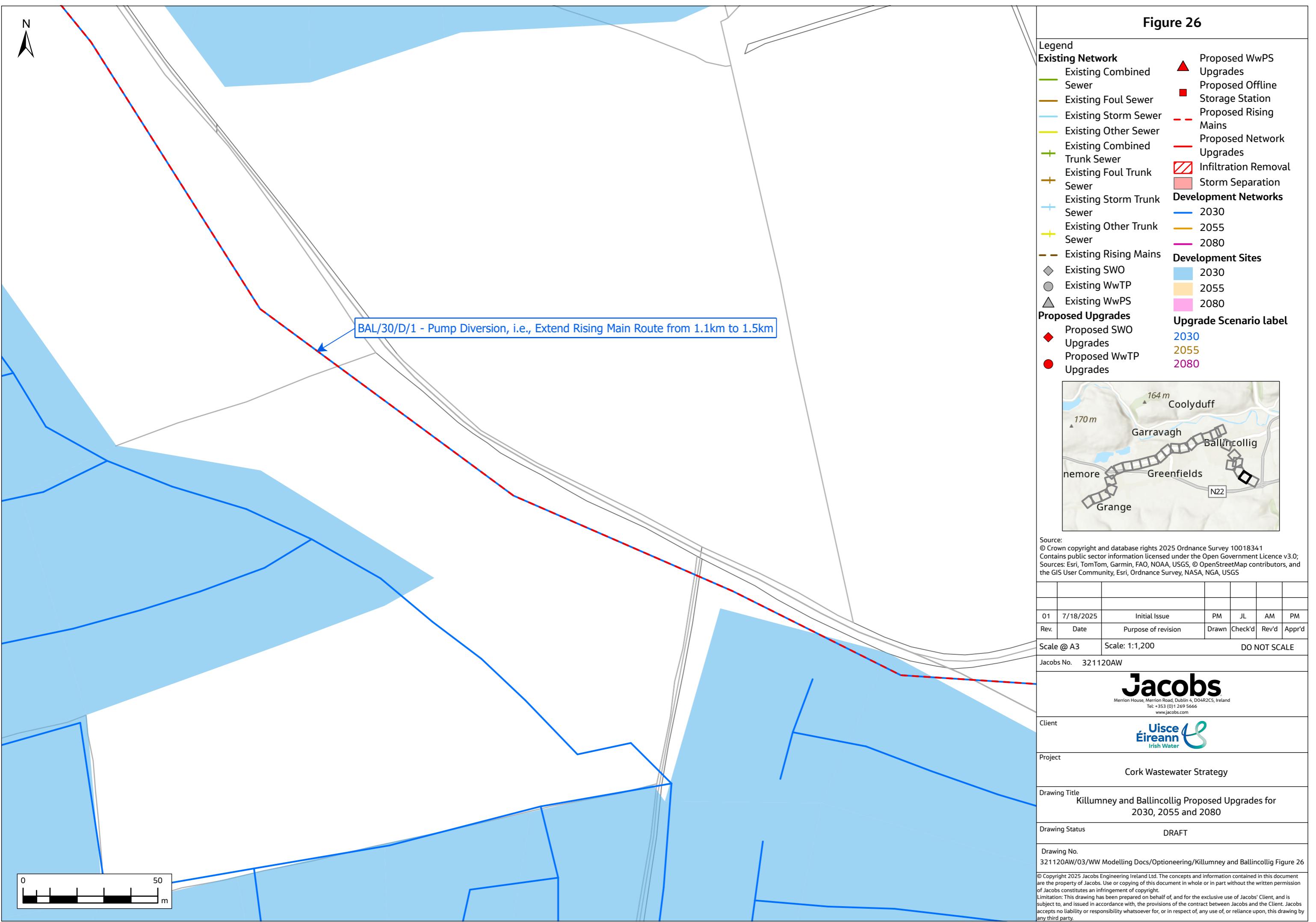


Figure 27

