

26/011 Ballymore Eustace to Saggart Reservoir Resilience Project

Project Information

June 2026



Existing BME to Saggart Infrastructure

Ballymore Eustace (BME) Water Treatment Plant (WTP) is the largest WTP in Ireland and produces ~50% of the water supplied to the 1.7m customers in the GDA Water Resource Zone (WRZ). It is located outside the village of Ballymore Eustace in County Kildare.

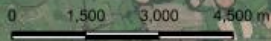
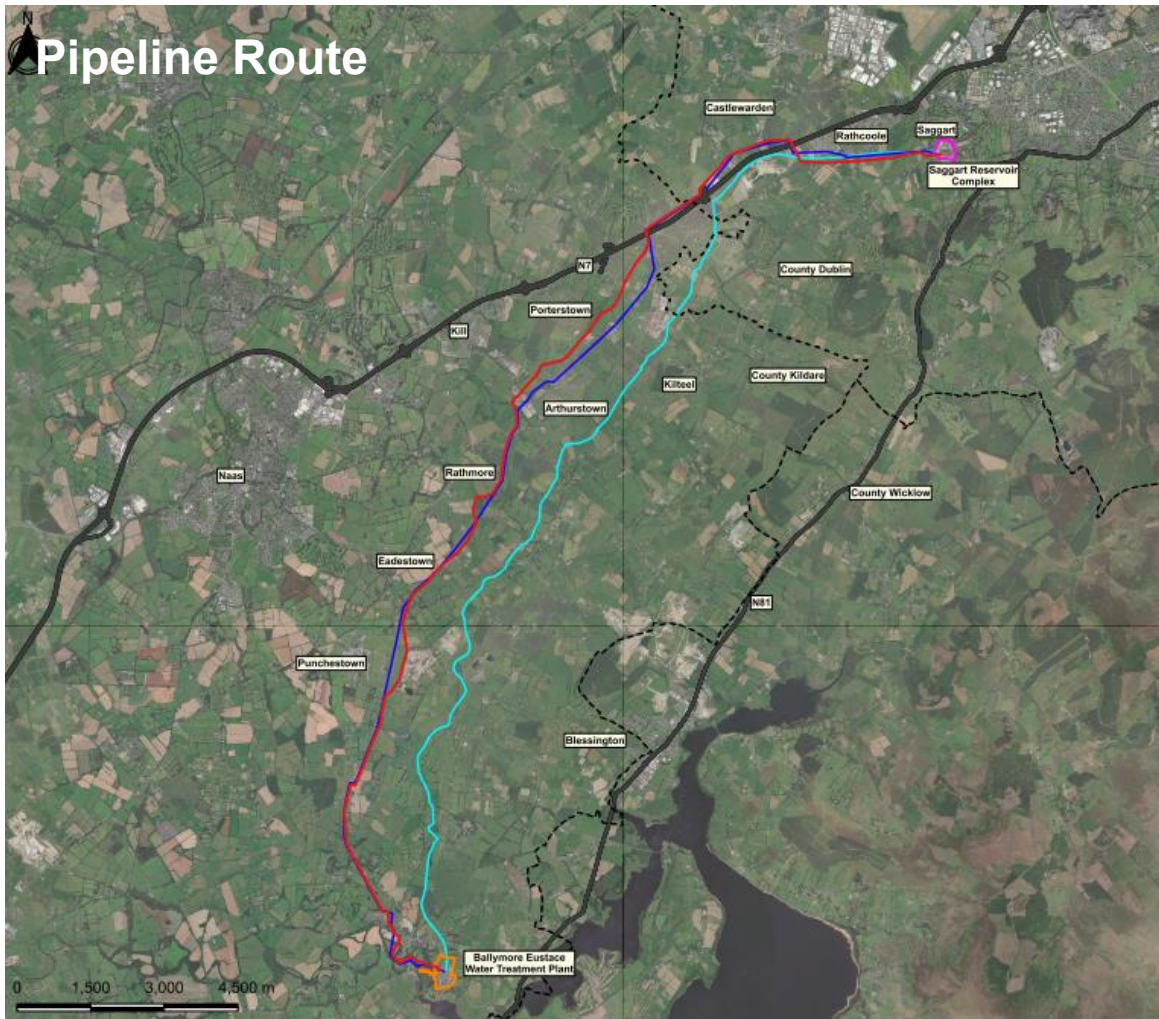
Two gravity trunk mains distribute treated water from BME to the GDA via Saggart Reservoir in South Dublin:

- 26km 1600mm diameter Pre-Stressed Concrete (PSC) pipeline (1982) supplying 220MLD.
- 24km 1270mm diameter Concrete Culvert (1940) supplying 60MLD.

Neither trunk main can be taken out of service without having a significant impact on supply to the GDA WRZ.



Pipeline Route



Legend

- BME Water Treatment Plant Boundary
- Saggart Reservoir Boundary
- County Boundaries
- Proposed Pipeline
- 1600mm Existing Pipe
- Existing Culvert Pipe
- National Road Network



Client

Project:
**BME TO SAGGART RESERVOIR
 RESILIENCE PROJECT**

Title
Proposed Pipeline Route

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Issue Details

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Checked: AC	Date: 12-01-2026	Scale: 1:37,269 (A1) 1:75,930 (A2)
Approved: AC	Map projection: IRENETRS / ITRM	

Notes

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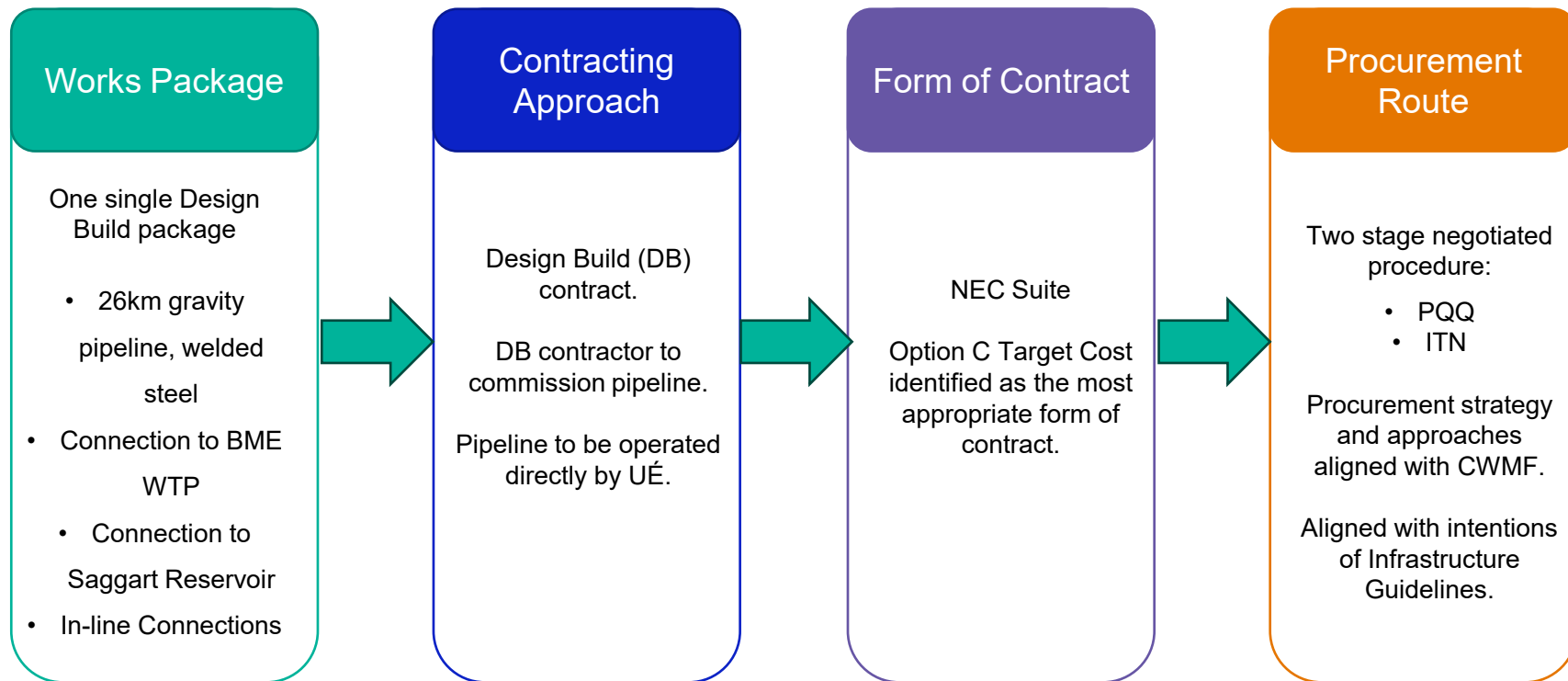


Preferred Option – Technical Requirements

The preferred solution has been identified as a **new 1600mm gravity welded steel pipeline** to match the capacity of the existing 1600mm pipeline (243MLD).

1. Gravity supply between BME WTP and Saggart Reservoir.
2. Facilitates all branch supplies (7 nr) from the existing 1600mm pipeline to be transferred to the new pipeline.
3. Facilitates at least three strategic cross connections between the new pipeline and the existing 1600mm pipeline.
4. Within a permanent wayleave width of 20m for operational and maintenance purposes.
5. Within a temporary working area of up to 50m (includes permanent wayleave).
6. Isolation valves, air valves and drain down points at intervals along the pipeline, sited at accessible locations for operational and maintenance purposes.

Emerging Procurement and Contract Strategy



High-Level Schedule

Activity	2026			2027				2028				2029				2030				2031				
	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
PQQ Starts	★																							
ITN Commencement			★																					
Award								★																
Construction																								