

Rowan



Environmental and Planning Report Coffey Construction Ltd June 2021



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Report Sign Off Page

CLIENT REF:	COFFEY, HURLEY SITE		
DEVELOPMENT ADDRESS	SAGGART, CO DUBLIN		
REVISION	DATE	ORIGNATOR	REVIEWER
REV 1	24/06/2020	EOB	CF

1. Introduction

1.1 Introduction

This report has been prepared by Rowan Engineering Consultants Ltd. (Rowan) on behalf of Coffey Construction Ireland Ltd to accompany a planning application for permission for infilling and spreading of soil and stone materials for the benefit of agricultural. The volume of material to be placed on the site is c. 91,093.13m³ over a c. 5.3ha site, with an average fill level of c 3.5m above existing.

1.2 The Applicant

The Applicant is Coffey Construction Ireland Ltd.

1.3 Scope of the Report

The scope of the report is to provide a description of the proposed Project and to outline the Planning Policy context as well as the potential environmental impacts associated with the infilling of soil and stone for the benefit of Agricultural land. Mitigation measures have been identified where the environmental assessments concluded there was potential for adverse environmental impacts to occur.

2. The Proposed Site

2.1 Site Location and Site Layout

The Proposed project is located in the townland of Saggart, Co. Dublin. The nearest village to the site is Saggart, which is located c.600m north east of the proposed site. The proposed site is c.5.3ha. The site will be accessed via an existing entrance along the eastern site boundary, and this is just off the Castle Road. The site is just west of the construction site of the new Saggart Irish Water Reservoir. The site is bounded to the south-east by Castle Road and to the north by the Millbrook Manor Nursing Home and agricultural land and to the west by domestic sites and agricultural land.

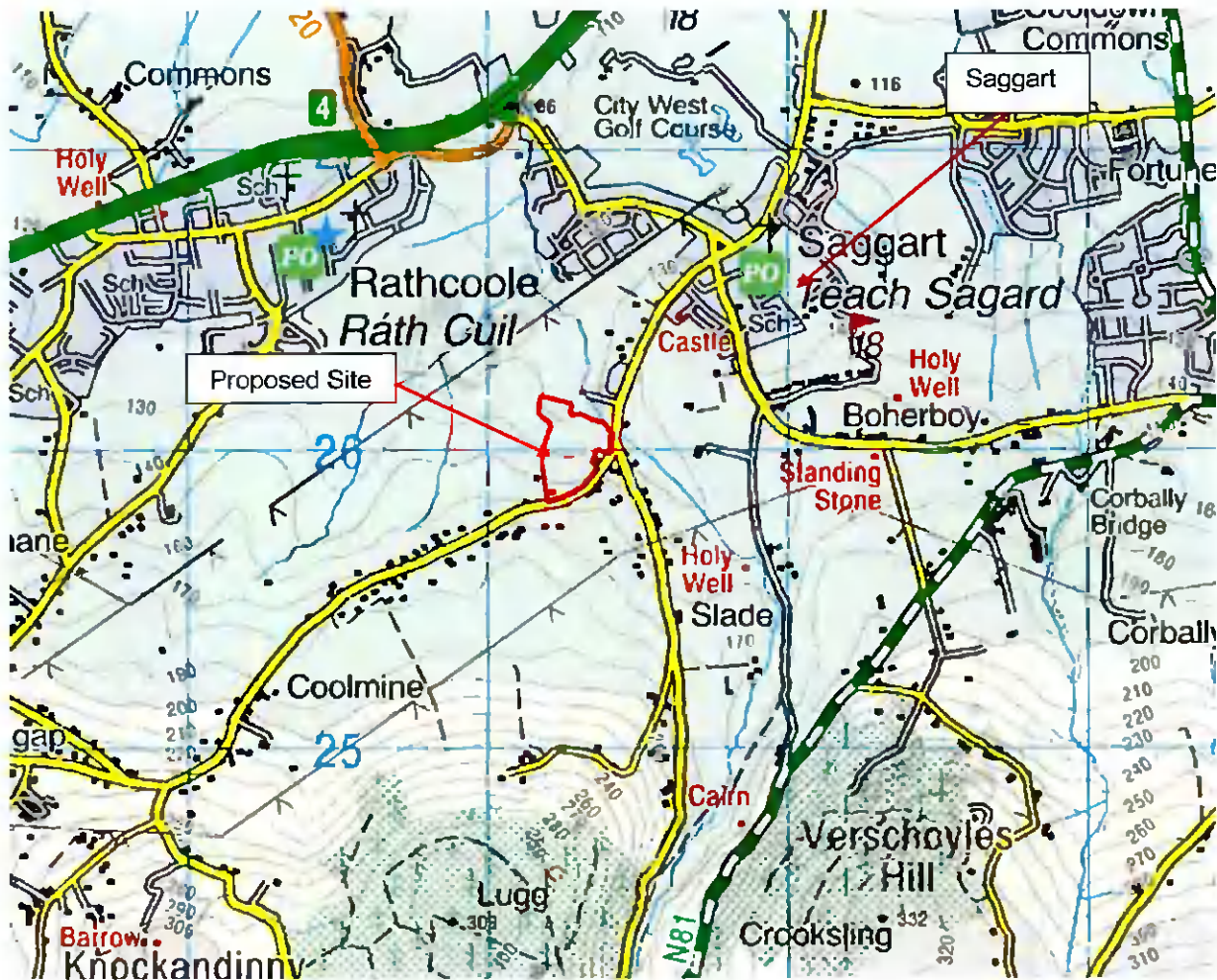


Figure 2.1: Site Location (outlined in red)

The site area of the proposed project is c. 5.3ha. The proposed site layout is shown below in Figure 2.3.



Figure 2.2 Site Location Aerial View (outlined in red).

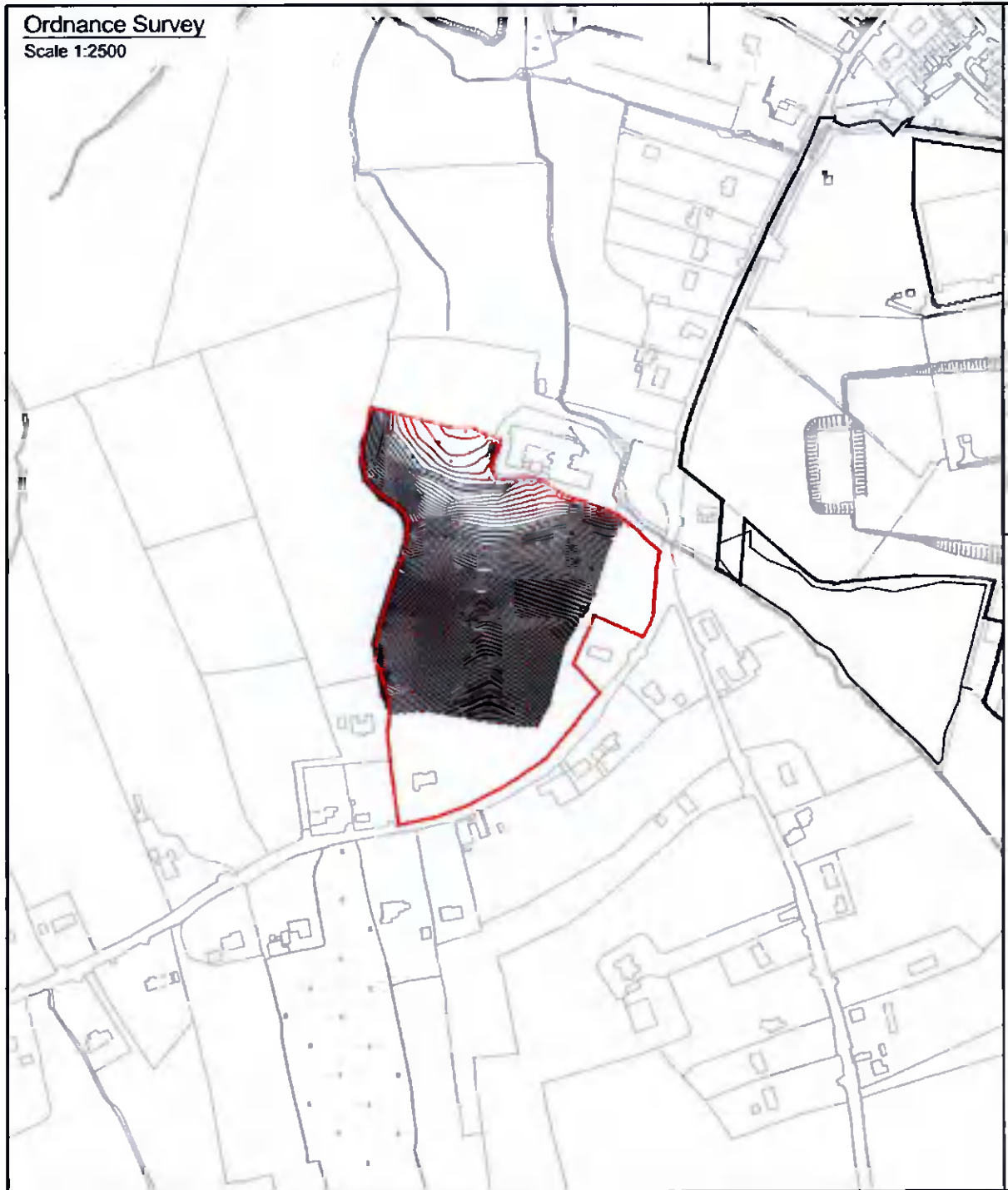


Figure 2.3: Site Location Map and Site Plan (including infill contours).

2.1.1 Existing Land Use

The nearest village to the site is Saggart, which is located c.600m north east of the proposed site.

The land-use surrounding the site is predominantly agricultural and improved agricultural grassland is the dominant habitat in the lands that surround the site. Other habitats represented locally include small areas of scrub, scattered trees, hedgerows and treelines. There are a number of watercourses close to the application site, including the Camac River which flows close to the north-eastern corner of the site. There are also a number of residential areas close to the site and the main habitats associated with these include buildings and artificial surfaces and amenity grasslands and gardens.

An overview of the local habitats surrounding the application site can be seen in the aerial photograph in **Figure 2-4**.



Figure 2.4 Aerial Photograph of the Site and its Surrounding Habitats.

2.2 The Proposed Details

Refer to planning drawings submitted as part of the planning application for full details.

2.2.1 The Proposed Project

The principal activities associated with the proposed development are;

- Land recontouring works on c 38,000m² of a folio size of c. 5.3 ha (allowing buffers).
- The volume of material to be placed on the site is c. 91,000m³ with an average fill level of c. 3.5 m above existing. Refer to planning drawing numbered PH.001 submitted as part of the planning application for full details.

There is no planned removal of hedge line vegetation on the perimeter of the site.

An infill free buffer zone of at least 10m will be established around much of the perimeter of the site, see the redline boundary in **Figure 2-5**. The Camac River flows along the south-western site boundary – the area immediately adjacent to the site (north east corner) is not planned for infilling.

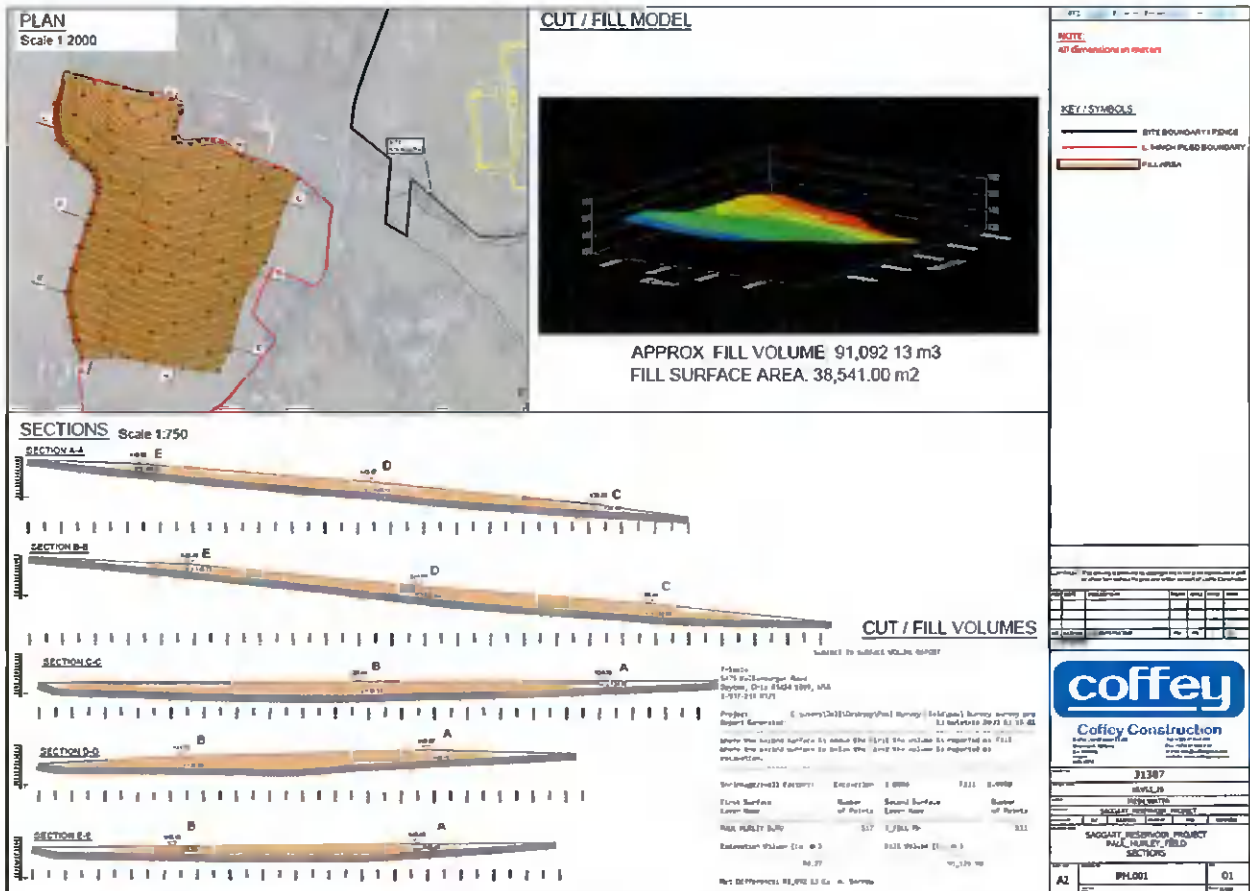


Figure 2.5: Extracts from proposed infill area and cross sections of the site (Refer to Planning drawing PH.001)

2.2.2 Site Access

The soil and stone would be transported from the main construction site of the new Saggart Irish Water Reservoir through the existing field entrance of the Hurley site (Figure 2.6).



Figure 2.6: Site Access Route from the Main Construction Site of the Saggart Irish Water Reservoir.

2.3 Decommissioning of the proposed project

At the end of its operational life, the following will be implemented.

- The infilled areas will be levelled and suitable reseed mix will be sown which will be beneficial for agricultural proposes.

As the equipment used in the infilling and levelling processes 'belong' to the main site, these will be returned to compounds when not in use.

2.3.1 Emergency Response Procedure

The purpose of the emergency response procedure (ERP) is to address an emergency situation which may originate on-site.

Emergency Spill/Leakage Protocol

No chemicals, oils or fuels will be stored at the site. All plant used on the site will be refuelled in the site compounds.

The procedure for dealing with spillages and/or leakages (such as from a vehicle arriving to the site) is as follows:

- Where there is any indication that environmental pollution (releases to the environment) has, or may have, taken place, then contact will be made with the appropriate Authority as deemed required;
- If possible, the type & nature of the spilled material and the volume shall be confirmed. Any risks to human health and/or the environment shall be determined;
- Stop the source and contain the spillage;
- Limit the spillage effected area by blocking, diverting or confining the spillage;
- Leaks/spillages shall be contained using a spill kit, where absorbent product will be applied to the spill and removed as soon as it has absorbed all the material. All contaminated spill kit material shall be put into a suitable waste container and labelled as to the contents, prior to collection by a licenced waste contractor;
- If a spillage results in discharges to a surface water feature or an adverse impact on the environment, it shall be reported to the appropriate authority (South Dublin County Council and Inland Fisheries Ireland) and agree a course of action;
- A record of the spill/leakage incident shall be maintained.

3. Planning Review

3.1 National Planning Framework 2040

The Project Ireland 2040 National Planning Framework (NPF), was published by the then Minister for the Environment and Local Government on the 16th February 2018. The aim of the NPF is to guide public and private investment, to create and promote opportunities for the people of Ireland, and to protect and enhance the environment. The document envisages that by 2040 there will be roughly an extra one million people living in Ireland. The NPF targets population growth of approximately 265,000 within Dublin City and Suburbs by 2040 and 330,000 additional jobs in the Eastern and Midland Region by 2040.

Sustainable development and the protection of the environment are key overarching goals and the need for resilient water supply systems to support population growth and economic activity is recognised. National Policy Objective 63 states:

“Ensure the efficient and sustainable use and development of water resources and water services infrastructure in order to manage and conserve water resources in a manner that supports a healthy society, economic development requirements and a cleaner environment.”

3.2 Regional Planning Guidelines for the Greater Dublin Area 2010-2022

The *Regional Planning Guidelines for the Greater Dublin Area 2010-2022* (RPGs) were published on the 15th of June 2010. The RPGs set out the planned direction for growth within the Greater Dublin Area (GDA) up to 2022 by giving regional effect to national planning policy.

The RPGs detail the importance of water quality and the need to meet future needs. The RPGs state:

“The past decade of high growth put significant pressure on all water resources and facilities in the Greater Dublin Area. Alongside this investment to improve water quality is the need to invest to meet future population growth; which is a major challenge in a large metropolitan area. It is also a challenge for smaller inland towns where the Water Framework Directive [2000/60/EC] and other necessary environmental regulation is impacting on what can be discharged to the local rivers and/or lakes. It is vitally important that solutions are found to meet the medium and long term needs for water supply and treatment for the next decades in the GDA.”

The RPGs set out the following physical infrastructure policy to promote and encourage the successful delivery of water services in the GDA:

“**Strategic Policy PIP2.** Protect and work to improve water quality in and impacted by the GDA and seek that investment in water supply projects/programmes is prioritised to support the delivery of the economic and settlement strategy for the GDA through the coordinated and integrated delivery of all essential services supporting national investment.”

The reservoir improvement works are considered to be part of the solution to current and future needs. The development will ensure a high quality water supply for the Greater Dublin Area. The generation of soil material from the project is inextricably linked to the wider plans under Irish Water's remit.

3.3 South County Dublin Development Plan 2016-2022.

The South Dublin County Development Plan 2016-2022 (CDP) was adopted in May 2016. The CDP provides a strategic planning direction for the South Dublin area. The CDP identifies key development areas and sets policies to guide development.

3.3.1 Land Use Zoning

The proposed site is zoned under the South Dublin County Council Development Plan 2016-2022 as GZT Zone: P1 Agriculture.

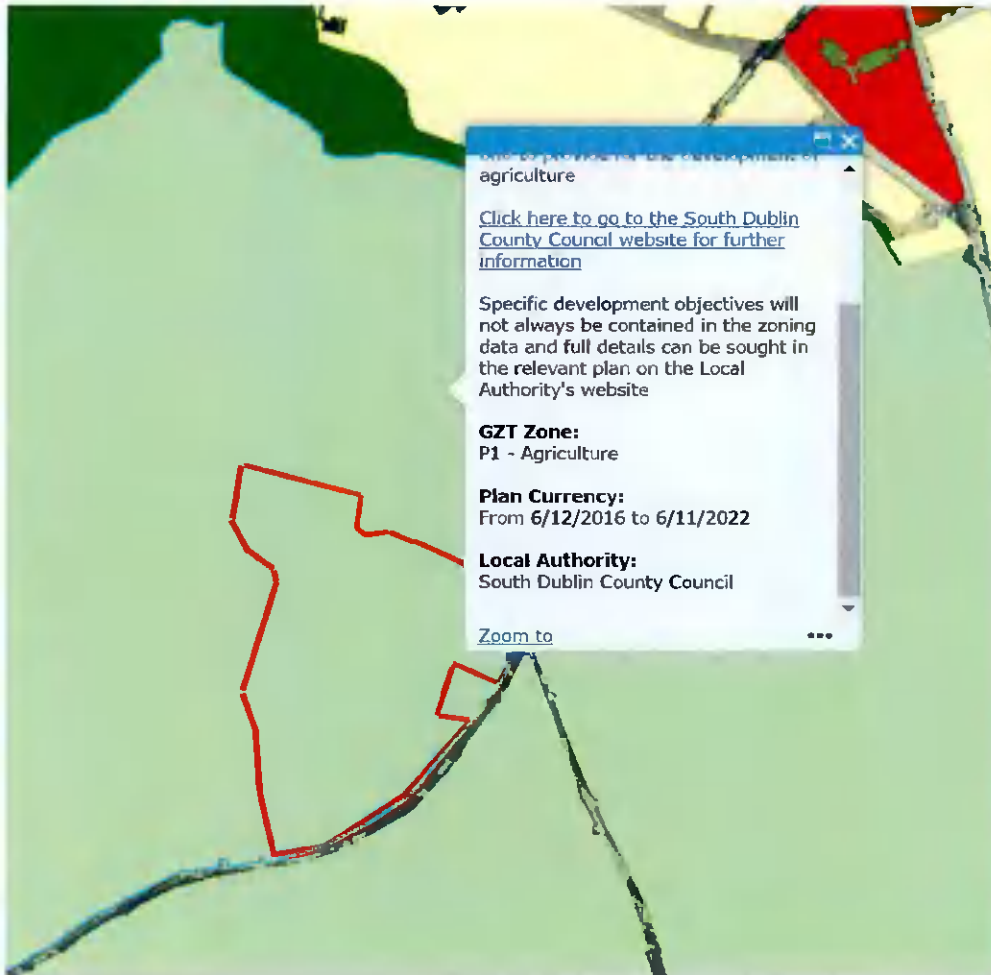


Figure 3.1: South Dublin County Development (CDP) Zoning Map Extract (Proposed site in red)

Zoning Objective RU is "To protect and improve rural amenity and to provide for the development of agriculture high amenity areas."

Public Services are permitted in principle on RU zoned lands. Public Services are defined within the CDP as, "building or part thereof or land used for the provision of public services. Public services include all service installations necessarily required by electricity, gas, telephone, radio, telecommunications, television, drainage and other statutory undertakers. It is suggested as the infill site is across the road to the approved Irish Water development and the generation of soil material from the project is inextricably linked to the wider plans under Irish Water's remit.

The placing of fertile clean soil on to the land will also sustain the development of agriculture at the subject site.

3.3.2 Infrastructure and Environmental Quality

In the Infrastructure and Environmental Quality chapter of the CDP policies are set out regarding the provision of water supply within the county and the wider region.

A number of these policies support the delivery of water infrastructure by Irish Water:

“IE1 Objective 1: To work in conjunction with Irish Water to protect, manage and optimise water supply and foul drainage networks in the County.

IE1 Objective 2: To work in conjunction with Irish Water to facilitate the timely delivery of ongoing upgrades and the expansion of water supply and wastewater services to meet the future needs of the County and the Region.

IE1 Objective 5: To promote and support the implementation of the Irish Water, Water Supply Project to increase water supply capacity throughout the Dublin Region.” The proposed development is being delivered by Irish Water and accords directly with Objectives IE1 and IE2.”

The proposed works development will also support the future delivery of the Water Supply Project referenced in IE1 Objective 5. The CDP also sets out a specific policy pertaining to Saggart water services infrastructure. **“IE1 Objective 3:** To support Irish Water in delivering key water service projects. Key Projects to be progressed in South Dublin County include: Completion of the Saggart to Leixlip Watermain Scheme to provide resilience and flexibility of water supply in the County.”

It is suggested as the infill site is to the approved Irish Water development and the generation of soil material from the project is inextricably linked to the wider plans under Irish Water’s remit.

3.3.3 Heritage, Conservation and Landscapes

Heritage, Conservation and Landscapes of the CDP promotes a coherent approach to protect, conserve and enhance natural, built and cultural heritage features. The CDP identifies views for protection and preservation and include Saggart Hill and Verschoyle’s Hill, both of which are proximate to the subject site. There are some locations within Saggart where views towards these hills will be slightly obstructed by the taller elements of the development. Given the nature of the topography of the area and the low-lying nature of the site, the retention of boundary screening and proposals for new planting, most views towards the hills are unaffected by the proposals. The following policies encourage the conservation and consideration of the Record of Protected Structures, Record of Monuments and Places/Architectural Conservation Areas identified in the CDP.

“HCL1 Objective 1: To protect, conserve and enhance natural, built and cultural heritage features and restrict development that would have a significant negative impact on these assets.

HCL1 Objective 2: To support the objectives and actions of the County Heritage Plan, including the preparation of a County Biodiversity Plan.

HCL2 Objective 3: To protect and enhance sites listed in the Record of Monuments and Places and ensure that development in the vicinity of a Recorded Monument or Area of Archaeological Potential does not detract from the setting of the site, monument, feature or object and is sited and designed appropriately.”

There are no protected structures within or immediately adjacent to the proposed development. The proposed development therefore does not include works to a protected structure. Due to the nature of the works and their location in relation to Protected Structures in the general area, it is considered that the proposed development will not have an adverse effect on any Protected Structure listed in the CDP Schedule 2: Record of Protected Structures in accordance with **HCL3 Objective 1:** “To ensure the protection of all structures (or parts of structures) and the immediate surroundings including the curtilage and attendant grounds of structures contained in the Record of Protected Structures

3.4 Planning History of the Site

There is previous planning history associated with the proposed site. The planning application history for the site is summarised in **Table 3.1** *Error! Reference source not found.* below as sourced from South Dublin County Council website

Table 3.1 Previous Planning Applications made on the Lands.

Reference No.	Details	Status	Decision Date
SD06A/0974	Dormer bungalow & detached garage together with site works to form a new entrance at existing farm gates along with septic tank and percolation area.	Permission Granted	04/04/2007
SD10A/0171	Two storey dormer type dwelling and the construction of a domestic garage; the installation of a wastewater treatment plant and all ancillary site works.	Permission Refused	06/08/2010

4. Appropriate Assessment

The Birds Directive (79/409/EEC) and the Habitats Directive (92/43/EEC) provide legal protection for habitats and species of European importance. Article 2 of Directive 92/43/EEC requires the maintenance or restoration of habitats and species of European Community interest, at a favourable conservation status. Articles 3 – 9 of the Directive provide the legislative means to protect habitats and species of Community interest through the establishment and conservation of an EU-wide network of sites known as *Natura 2000*. *Natura 2000* sites are Special Areas of Conservation (SACs) designated under the Habitats Directive and also Special Protection Areas (SPAs) designated under the Conservation of Wild Birds Directive (79/409/EEC). The terms “European site” replaced the term “*Natura 2000* site” under the EU Environmental Impact Assessment and Habitats Regulations 2011 (S.I. No. 473 of 2011).

A key protection mechanism is the requirement to consider the possible nature conservation implications of any plan or project on European sites. Appropriate Assessment (AA), which is outlined in Article 6(3) of Directive 92/43/EEC, is the process which considers the possible effects of a plan or project on the European sites network.

An Appropriate Assessment Screening Report was completed in May 2021 by Noreen McLoughlin, MSc, MCIEEM of Whitehill Environmental.

The proposed Project is not located within any *Natura 2000* areas.

There are six *Natura 2000* designated sites within 15km of this application site, plus four other sites that are hydrologically connected to it via the River Camac

The Glenasmole Valley SAC (site code 001209) is located c.5.4km south east of the proposed site. The Wicklow Mountains SAC (site code 002122) is located c.6.3km south east followed by the Wicklow Mountains SPA (site code 004040) which is located c.9.8km south east. The Poulaphouca Reservoir (site code SPA 004063) is located c.10.6km south. The Red Bog Kildare SAC (site code 000397) is located c.10.1km south west and the Rye Water Valley/Carton SAC (site code 001398) is located c.10.1km north of the proposed site.

The *Natura 200* designated sites that are hydrologically connected to it via the River Camac are South Dublin Bay SAC (site code 000210), South Dublin Bay and River Tolka Estuary SPA (site code 004024), North Bull Island site (code SPA 004006) and North Dublin Bay SAC (site code 000206).

In view of best scientific knowledge and on the basis of objective information, it can be concluded that this application, whether individually or in combination with other plans and projects, will have no significant negative effects upon the *Natura 2000* sites. It is of the opinion of this author that this application does not need to proceed to Stage II of the Appropriate Assessment process.

The full Appropriate Assessment is provided in **Appendix 1**.

5. Baseline Assessment

5.1 Noise

A Noise Assessment has been prepared by Rowan and is provided in **Appendix 2**.

Based on the baseline noise survey carried out at The Hurley Site, Saggart, Co. Dublin on the 18th of May 2021. The following was concluded;

Day noise measurements were recorded at 4 No. NSL's at the Hurley site. The daytime LAeq recorded at NSL's ranged between 41.0dB and 56.1dB. The LA90 readings ranged between 37.4dB and 50.6dB. The report demonstrates that when mitigation measures are implemented and the soil and stone material is dumped in the centre of the site and the duration of the Dozer and tracked excavator is limited to 1 hour (cumulative) per day and the operational duration of the dumper is limited to 90 minutes (cumulative) per day, the noise levels at the NSL's will be compliant with the relevant daytime noise limits for the site of 55dBLeq,T between 07:00 and 19:00hrs. The likely impact at the NSL's can be deemed to be Imperceptible - Moderate

5.2 The Baseline Environment

The Camac River flows along the north eastern of the site boundary.

The Camac River (IE-EA_09C020100) (to the northeast of the proposed site) and the proposed site are located within the Liffey Catchment. The proposed site is located in the (Liffey_SC_090) sub catchment.

Under the WFD, all water bodies are required to meet good status within a certain time period. Ireland is now in the second cycle of the WFD and therefore good status should be achieved in all water bodies by the end of this current cycle, i.e., 2021. If a waterbody is unlikely to achieve this status, then it is deemed to be *At Risk*. The Camac River is described as being *Not At Risk* and of *Good Status*.

5.3 Chemical Analysis and Report

Chemical analysis has been carried out by The Water Lab, a report has been prepared by Rowan and is provided in **Appendix 3**.

This conclusion is based on the surface water samples taken from SW2 upstream of the proposed site and SW3 downstream of the proposed infill site on the 18th of May 2021. The lab results show the results are within the limits set out in the EPA Surface Water Regulations 2019 (S.I. No. 77 of 2019).

5.4 Biological Water Quality Assessment of the River Camac

Biological water Quality Assessment has been carried out and a report has been prepared by Whitehill Environmental and is provided in **Appendix 4**.

All samples were taken with a Freshwater Biological Association approved hand held sweep net with a mesh diameter of 500µm. At all stations, a two minute kick sample (the travelling kick) method was taken, which ensures that all habitats within a riffle area are sampled. Samples were deposited in a tray on the bank of the river. Bigger stones were washed and any macro-

invertebrates clinging to the stones were removed and placed in the tray. Once the debris in the sample was removed, the sample containing the macro-invertebrates and the finer substrates were placed into containers and preserved with isopropyl alcohol.

Once the samples were delivered to Whitehill Environmental, all macro-invertebrates were removed from the sample, identified to the appropriate taxonomic level and then counted.

Overall, based on the results as part of this survey, it can be concluded that the ecological status of this water body at all stations is good as all stations were assigned a Q4. Looking within Group 4, currently the ecological status of Station 1 (upstream) is the most vulnerable, with downstream the least vulnerable. The upstream station has the lowest proportion of sensitive Group A taxa, followed by midstream with the downstream station having the highest proportion of sensitive taxa.

6. Traffic Management

As mentioned above, the soil and stone would be transported from the main construction site of the new Saggart Irish Water Reservoir through the existing field entrance of the Hurley site (Figure 2.6). The contractor will prepare a traffic management plan specific to the hauling of this soil between sites in line with standard requirements and those adopted on the main (reservoir) site.

7. Construction Environmental Management Plan.

The CEMP for the main water reservoir site has been prepared for the appointed Contractor to develop as appropriate.

7.1 Air Quality (From CEMP)

The main aspects associated with air quality will be the management of dust emissions. Dust emissions are expected to arise from the:

- Movement and operation of HGVs accessing/egressing the site and the movement/contouring of soils on-site; and
- Dust emissions generated during prolonged dry periods, with windy conditions.

The mitigation measures that will be implemented on site to minimise environmental impacts and specifically relating to dust emissions will include:

- All HGV's leaving the site will directed through a wheel wash in order to prevent mud and other wastes being tracked onto public roads;
- Stockpiling of materials will be designed and laid out to minimise exposure to wind
- The construction contractor will be required to maintain monthly dust levels below the guideline of 350mg/m²/day as a 30-day average at sensitive receptors. Where dust levels

are measured to be above this guideline the mitigation measures in the area must be reviewed as part of the dust minimisation plan.

- All local public road networks, which facilitate vehicular traffic associated with the development, will be regularly inspected for cleanliness and watered, as appropriate, during dry and/or windy conditions
- A road sweeper is available to be used in cleaning the public road.
- Water misting or sprays will be used as required if particularly dusty activities are necessary during dry or windy periods

7.2 Drainage Management

Hydrological linkages (e.g. surface water and groundwater flows) between impact sources (e.g. the construction site), habitats and species can often result in potential for impacts to occur at a significant distance from the site. The distances over which water-borne pollutants are likely to remain in sufficient concentrations to have a significant impact on receiving waters is difficult to quantify and highly site-specific.

It is vital to manage water on-site to ensure protection and maintenance of water quality in waterbodies within, adjacent to and downstream of the construction site and thus ensure protection of the habitats and species therein. Surface water drainage from the newly constructed reservoir and hard-standing areas will be collected and attenuated prior to discharging to the Camac River

In terms of specific mitigation measures relating to sedimentation, and potential impact (of suspended solids) on nearby watercourses, the contractor is required to manage runoff. The Contractor shall comply with the requirements of the Public Health Act and Fisheries Acts. All surface water discharges must be in compliance with the European Communities (Surface Water) Regulations 2009 and the European Communities (Groundwater) Regulations 2010.

The first step towards preventing the generation of suspended solids from the Project shall be to minimise the generation of silt-laden runoff from construction activities. This will be achieved by the Contractor carefully planning the site works so that activities likely to generate silt-laden runoff are carried out during drier months and erosion of surface soils is controlled.

- A range of temporary measures may be implemented, including silt traps, straw bales and drainage to vegetated areas to prevent contaminated or silt-laden runoff impacting watercourses;
- A 10m riparian strip along watercourses will be fenced off, or otherwise demarcated, to

prevent inadvertent intrusion from construction plant, construction materials and or temporary stored material (e.g. top soil) on site, except where works are specifically required to the watercourse – a bund for storage of soil could also be used in place of fencing;

- Seasonal weather patterns shall be taken into consideration by the Contractor when programming and planning construction activities;
- The scheme drainage system will be inspected daily, or after storm events, to check for blockages during construction. Construction works will be avoided during prolonged periods of very heavy rainfall adjacent to the Camac River; Existing vegetation shall be retained where possible, as mature vegetation stabilises the soil and prevents erosion. Areas where vegetation clearance is required shall be kept to a minimum and the works divided into phases, with seeding and planting of the phases that are complete as soon as possible; this will minimise the areas of exposed soil and thus the risk of erosion. Mats or other stabilisers can be used to minimise erosion until vegetation is established on sensitive or waterlogged soils; Consideration shall be given to ground water level and ground saturation to prevent excessive overland flow and associated scouring and mobilisation of suspended solids. The area to be stripped shall be kept to a minimum and phased during the planning and construction phase to reduce the amount of land exposed;
- There will be designation of appropriate locations set back from watercourses and methods for site compounds stockpiling soil, aggregates which will be enclosed by silt traps to minimise sediment laden run-off;
- Use of cut-off V drains (diverting water entering site) will reduce the amount of water needing to be managed on-site. The placement of check dams along the length and maintenance of the drains shall be essential to ease burden on settlement features will also be considered;
- Heavy vehicular movements will be restricted adjacent to watercourses in order to avoid inputs; and
- Mud shall be controlled at entry and exits to the site using wheel washes and/or road sweepers, and tools and plant must be washed out and cleaned in designated areas. Containment of wheel washings for treatment prior to discharge shall be required.

8. Environmental Management

8.1 Environmental Mitigation Measures

A number of environmental mitigation measures have been detailed in Table 8.1 that will be adhered to once the site is in use for infill of soil materials.

Table 8.1: Environmental Mitigation Measures

Construction Activity	Principles incorporated into the Proposed Project
Soil Stripping / Site Clearance	<ul style="list-style-type: none"> • There will be no removal of treelines or hedgerow vegetation at the boundary of the site. • Any clearance works will be planned outside of periods when heavy rainfall is expected.
Surface water management	<ul style="list-style-type: none"> • No chemicals, oils or fuels will be stored at the site. • The site is adjacent to the River Camac. During the infilling works, a minimum buffer zone of 10m will be maintained along the river's edge and this will ensure that run-off from the works into the stream is minimised. The infilling of the site will be done in association with the construction of the reservoir on the site immediately north of the application site. A Construction Management Plan (CMP) was prepared for the reservoir works and this plan contained measures for the protection of valued ecological receptors on the site, including the Camac River. • During the activities, the following will be adhered to: <ul style="list-style-type: none"> ○ No plant/machinery will be refuelled on-site; ○ Any accidental spills/leakages will be cleared immediately; and ○ There will be no washout of lorries on-site
Noise	<p>Measures implemented include:</p> <ul style="list-style-type: none"> • The turnover time for deliveries to the site shall be managed in order to keep this time to a minimum; • There will be no unnecessary sounding of horns whilst onsite;
Air Quality (Dust)	<ul style="list-style-type: none"> • All HGV's leaving the site will directed through a wheel wash in order to prevent mud and other wastes being tracked onto public roads; • Any materials not suitable for infill will be removed immediately to avoid stockpiles; • Soil handling and movement will only take place when the soils are in the optimum condition. This optimum soil condition may be described as moist but friable. No soils will be moved when they are too dry or when there are unusually windy weather conditions;

9. Archaeological & Architectural Assessment

9.1 Baseline conditions

9.1.1 UNESCO World Heritage Sites

There are no UNESCO World Heritage Sites within the vicinity of the proposed Project.

9.1.2 Sites and Monuments Record (SMR), Record of Monuments and Places (RMP) & Record of Protected Structures (RPS)

There are no known SMR's located within c. 400m of the proposed Project. There are two SMR's located within a 600m radius of the proposed site. The closest known SMR to the site is located C. 470m to the north east (Ref DU021034010). The second SMR is c. 600m south east of the proposed site (Ref DU021690)



Figure 10.1 Sites and Monuments Record (SMR) within a 600 meter radius of the proposed site.

The closest registered asset on the National Inventory of Architectural Heritage (NIAH) is located c. 15m east of the proposed site. (Bridge) (Reg No 11213038)

9.1.3 Excavation Database

The excavations database is a live record which is updated annually with details of all excavations carried out under licence. This database was consulted and no records existed relevant to the facility or in the vicinity.

There were no records relate to excavations on or near the vicinity of the proposed site.

9.1.4 Cartographic Sources and Aerial Photography

A review of cartographic sources available on the Historic Environment viewer and aerial photography was undertaken and is presented in **Figure 10-** to Error! Reference source not found.

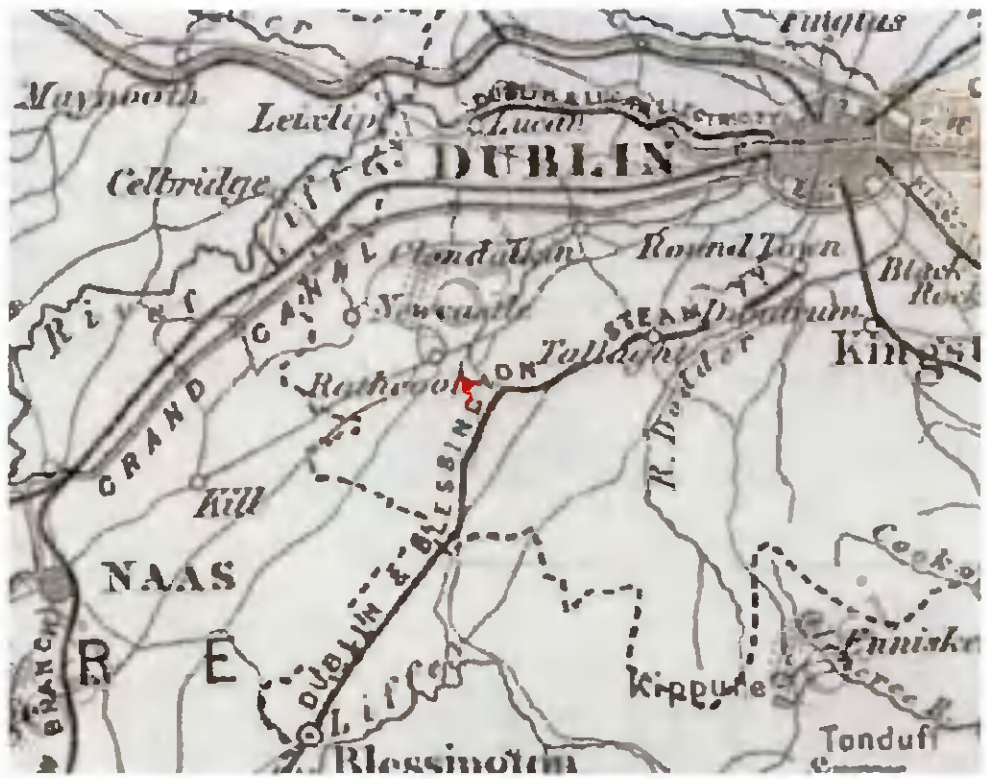


Figure 10-2: Historic 25 Inch (Dated 1888-1913) (Ref: ArcGIS Online)

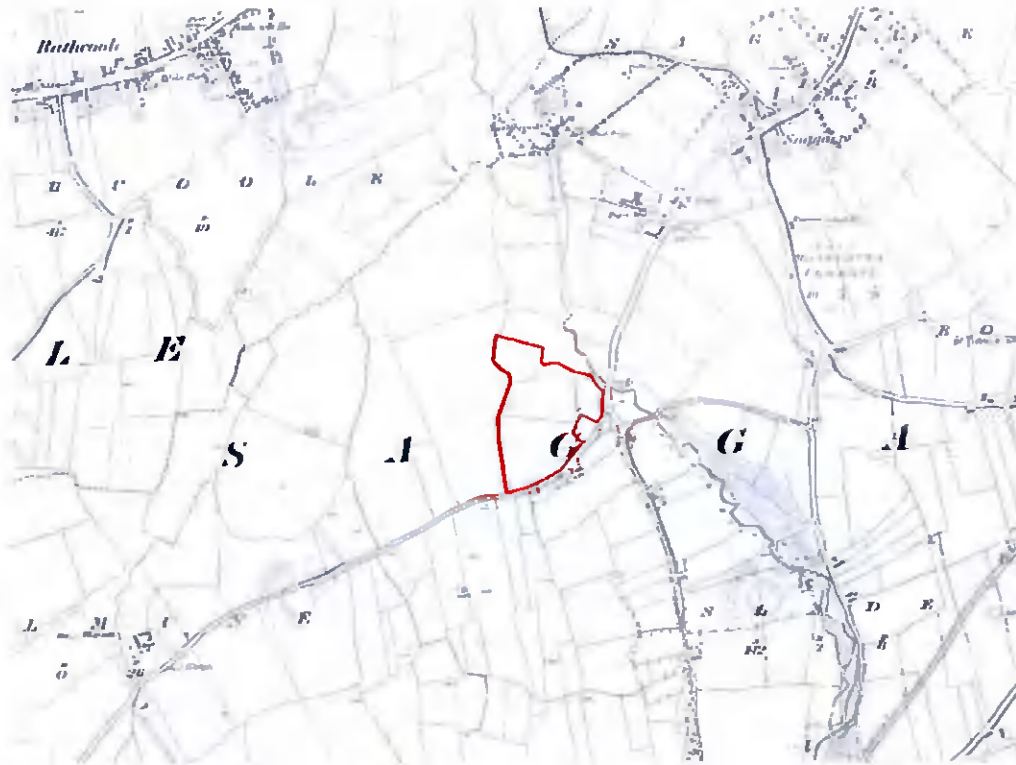


Figure 10-3: Historic 6 Inch (Dated 1837-1842) (Ref: ArcGIS Online)

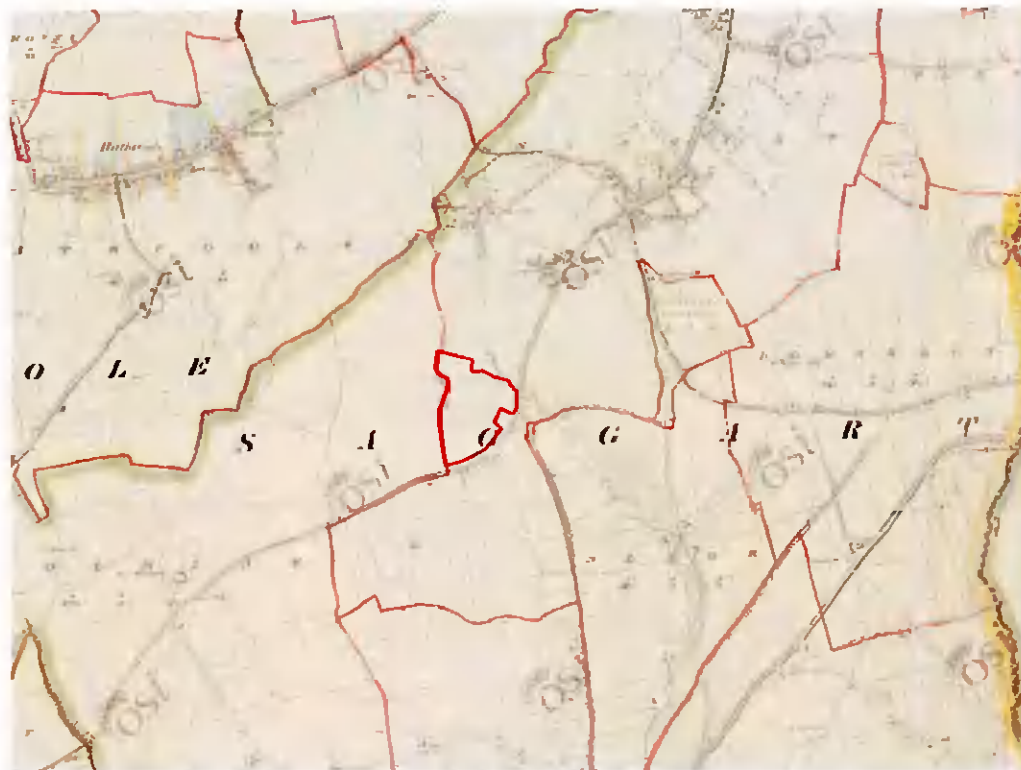


Figure 10-4: Historic 6 Inch Colour (Dated 1837-1842) (Ref: ArcGIS Online)

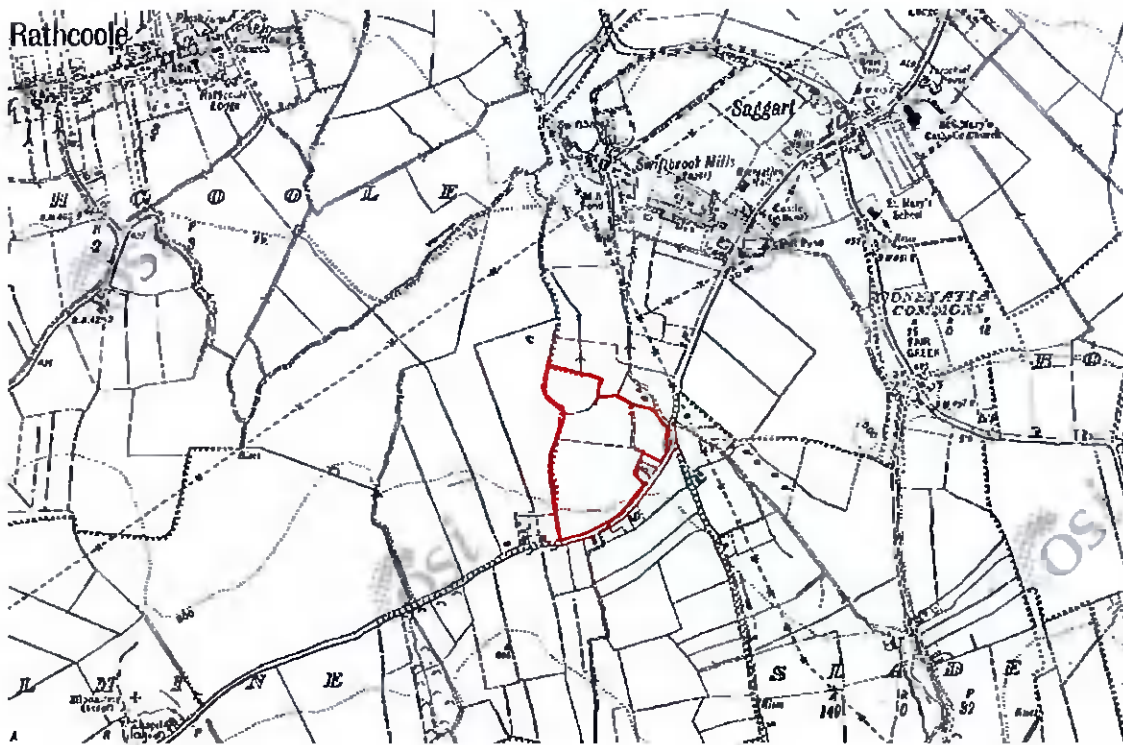


Figure 10-5: Historic 6 Inch Cassini (Dated 1829-1842) (Ref: ArcGIS Online)

10. Conclusion

This field is located across the road from the Saggart reservoir development project being undertaken by Coffey for Irish Water. The volume of material to be placed on the site is c. 91,000m³ with an average fill level average of c 3.5 m above existing.

This material would have a beneficial reuse in this field and would remove the need for considerable amount of longer distance off-site disposal as the soil and stone would be transported a short distance over the local network.

Subject to planning being granted, and Article 27 Process will be entered into to allow placement of this inert soil by-product on to the area proposed.