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## Engineering Services Statement

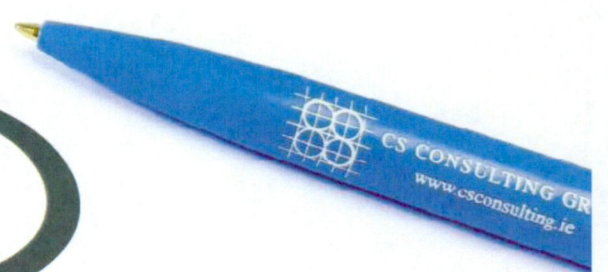
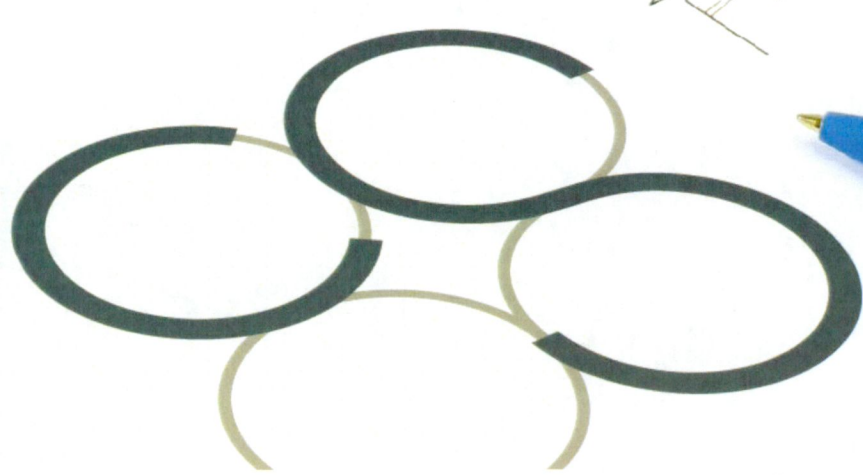
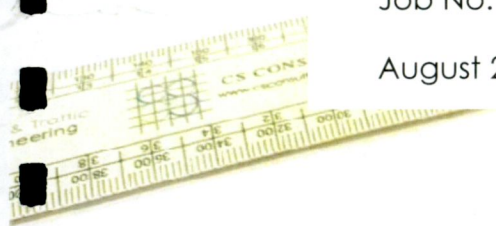
### Proposed Change of Use and Associated Works to Presentation Convent building

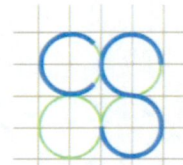
Presentation Convent, New Road,  
Clondalkin, Dublin 22

Client: Bartra Property (NH) Limited

Job No. G103

August 2022





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## ENGINEERING SERVICES STATEMENT

### PROPOSED CHANGE OF USE AND ASSOCIATED WORKS TO PRESENTATION CONVENT BUILDING, PRESENTATION CONVENT, NEW ROAD, CLONDALKIN, DUBLIN 22

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File Location: J:\B\_JOBS\Job-B202\B\_Documents\Civil\A\_CS Reports\Traffic

**BS 1192 FIELD**      **G103-CSC-ZZ-XX-RP-C-0001-P1 Engineering Service Statement**

Job Ref.	Author	Reviewed By	Authorised By	Issue Date	Rev. No.
G103	LJ	NB	NB	10.08.2022	P1
G103	LJ	FB	NB	03.08.2022	P0

## 1.0 INTRODUCTION

Cronin & Sutton Consulting Engineers (CS Consulting) have been commissioned by Bartra Property (NH) Limited to prepare an Engineering Services Statement for a proposed change of use application to a previously granted planning permission under planning ref. SDDC Reg. Ref. No. SD18A/0328 (An Bord Pleanála under ABP- 304708-19) at Presentation Convent, Clondalkin, Dublin 22.

It is proposed to change a use of part of the existing convent building (Protected Structure) from staff accommodation ancillary to the adjacent nursing home building permitted under Ref: SD18A/0328 (An Bord Pleanála under ABP- 304708-19) to a geriatric day-care centre (Ageing Well Centre).

This report assesses the proposed development under the following headings:

- Flood Zoning;
- Foul Drainage Infrastructure;
- Stormwater Drainage Infrastructure;
- Potable Water Infrastructure;
- Development access, car and bicycle parking provision.

In preparing this report, CS Consulting has made reference to the following:

- South Dublin County Council Development Plan 2016-2022;
- Draft South Dublin County Council Development Plan 2022-2028;
- Regional Code of Practice for Drainage Works;
- Irish Water Code of Practice for Water;
- Irish Water Code of Practice for Wastewater;
- Sustainable Drainage Explanatory Design and Evaluation Guide 2022;
- Local Authority Drainage Records;

## 2.0 SITE LOCATION AND PROPOSED DEVELOPMENT

### 2.1 Site Location

The site of the proposed development lies between New Road and Convent Road of Clondalkin village centre in Dublin 22, on the grounds of the Presentation Convent. The overall ownership site has a total area of 1.34ha, and the application site has a total area of approx. 0.12ha. The development site is located in the administrative jurisdiction of South Dublin County Council.



Figure 1 – Location of proposed development site  
(map data & imagery: EPA, OSM Contributors, Google)

The location of the proposed development site is shown in **Figure 1** above; the indicative extents of the development site, as well as relevant elements of the surrounding road network, are shown in more detail in **Figure 2**.

### **2.3 Description of the Proposed Development**

The development will consist of: change of use of part of existing convent building (Protected Structure) from staff accommodation ancillary to the adjacent nursing home building permitted under Ref: SD18A/0328 (ABP-304708-19) to geriatric daycare centre (Ageing Well Centre) with all associated ancillary accommodation; internal alterations and improvements to the interior of the convent at ground, first and second floors, external alterations to accommodate two stair cores (one includes a lift) within the courtyard space and alterations to two existing windows to form escape doors and blocking up a second floor window; all associated site and development works.

#### 4.0 WASTEWATER INFRASTRUCTURE

A review of the foul drainage infrastructure in the environs of the subject lands indicate an existing 225mm diameter foul sewer flowing south to north on Convent Road, and New Road along eastern and western boundary of the development site. See **Appendix A** for Irish Water drainage records.

It was permitted under planning ref. SDDC Reg. Ref. No. SD18A/0328 to discharge all the foul effluent generated by the development into the existing 225mm diameter foul sewer on Convent Road. This drainage infrastructure shall be retained for the proposed change of use application.

The proposed development consists of geriatric day-care centre of approx. GFA 1,267m<sup>2</sup> with an anticipated staffing level of 25no. staff<sup>1</sup> and a maximum visitor occupancy of 30no. visitors. Irish Water recommends an effluent volume of 350l/person/day.

This equates to effluent loading of:

- 385l/person/day (Irish Water recommendation + 10%)
- 55 x 385 l/person/day = 21,175 l/day = 21.175 m<sup>3</sup>/day.
- 0.245 l/sec Dry Weather Flow (DWF)
- 1.470 l/sec (Peak – 6 DWF)

The previously permitted development comprises of 155-bedroom nursing home and a 14-bedroom retirement home, which accounted for the following effluent generation:

- 169 x 350 l/person/day = 59,150 l/day = 59.150 m<sup>3</sup>/day;
- 0.684 l/sec Dry Weather Flow (DWF)

---

<sup>1</sup> 1no. staff per 50m<sup>2</sup>

## 5.0 POTABLE WATER INFRASTRUCTURE

Records obtained from Irish Water indicate a public watermain adjacent to the development site on Convent Road and New Road.

It was proposed to make two number connections to the existing watermain. One connection from the existing main on New Road to the east and another from the existing main on Convent Road to the west as submitted under planning application SDDC Reg. Ref. No. SD18A/0328 (An Bord Pleanála under ABP- 304708-19). This connection shall be retained to serve the proposed development.

The proposed development consists of geriatric day-care centre of approx. GFA 1,267m<sup>2</sup> with an anticipated staffing level of 25no. staff<sup>2</sup> and a maximum visitor occupancy of 30no. visitors. Irish Water recommends an effluent volume of 350l/person/day.

This equated to potable water demand of:

- 55 x 350 l/person/day = 19,250 l/day = 19.25 m<sup>3</sup>/day
- 0.222 l/sec (Average Demand);
- 1.11 l/sec (Peak Demand - 5 x Average Demand).

The previously permitted development comprises of 155-bedroom nursing home and a 14-bedroom retirement home, which accounted for the following water demand.

- 169 x 350 l/person/day = 59,150 l/day = 59.150 m<sup>3</sup>/day;
- Average Demand = 0.685 l /sec
- Peak Demand = 3.425 l/sec.

---

<sup>2</sup> 1no. staff per 50m<sup>2</sup>

## 6.0 SURFACE WATER INFRASTRUCTURE

Irish Water drainage records indicate a 225mm diameter public storm drain to the west of the development site.

Surface water infrastructure is under the jurisdiction of South Dublin County Council. A key requirement for surface water disposal is to incorporate Sustainable urban Drainage Systems (SuDS) into any proposed scheme.

The previous planning application permitted under SDDC Reg. Ref. No. SD18A/0328 (An Bord Pleanála under ABP- 304708-19) had proposed to provide attenuation in 2no. areas. The first area catered for the rear of the development including the access roads and car parking spaces. Limiting the discharge from this area to 2.0 l/s an attenuation volume of 190m<sup>3</sup> for the 1-in-100-year storm event was provided.

A secondary attenuation system shall then be installed downstream to cater of the remainder of the development and the final discharge from here shall be limited to 2.75 l/s (the total for the site) and an attenuation tank of 147m<sup>3</sup> shall be provided.

This surface water arrangement shall be retained as the requirement for the attenuation volume still remains the same for the overall development area 1.34hectors.

The following SuDS proposals were permitted under planning ref. SDDC Reg. Ref. No. SD18A/0328 (An Bord Pleanála under ABP- 304708-19), these SuDS features shall be retained for the proposed development;

- Permeable Paving to all new parking spaces;
- Soakaways/infiltration trenches
- Water butts for local irrigation and washing down;
- Low water usage appliances, to restrict potable water demand;



## 7.0 TRAFFIC AND TRANSPORT

### 7.1 Development Access

Vehicular access to the proposed development shall be via a priority-controlled junction on New Road, at the south-eastern boundary of the development site and facing the existing access to Coláiste Bríde as previously permitted under planning ref. SD18A/0328 (An Bord Pleanála under ABP- 304708-19). There is no proposed change in the surrounding road network, development access, or car parking to that previously permitted under planning ref. SD18A/0328 (An Bord Pleanála under ABP- 304708-19).

### 7.2 Car and Bicycle Parking

It is not proposed to provide any additional car parking for the proposed development. A total of 39no. car parking spaces (including 3no. disabled-accessible spaces) and 60no. bicycle parking spaces were provided for the previously permitted planning application SDDC Reg. Ref. No. SD18A/0328 (An Bord Pleanála under ABP- 304708-19). All the car parking spaces shall be used as shared spaces for both the permitted nursing home and the proposed daycare center.

**Table 1** and **Table 2** gives the average TRICS trip generation rates for Nursing Home facilities and Day Care centers in locations similar to the permitted nursing homes and proposed geriatric day care center develops over a 14-hour period from 07:00 to 21:00 (the maximum time range interrogable in TRICS for these land use), for cars only. From these trip rates, hourly car arrivals and departures trips have been calculated for the permitted nursing home and proposed geriatric day care center. See **Appendix D** for TRICS database.

Table 2 – TRICS 14-hour Day Care Centre Car Trip Generation

Time Period	TRICS Rates (per 100 sqm GFA)		Car Trips (1,267 sqm GFA)		Net Inbound Car Trips
	Arrivals	Departures	Arrivals	Departures	
07:00 - 08:00	0	0	0	0	0
08:00 - 09:00	0.325	0	4	0	4
<b>09:00 - 10:00</b>	<b>0.813</b>	<b>0.163</b>	<b>10</b>	<b>2</b>	<b>8</b>
10:00 - 11:00	0.65	0.325	8	4	4
<b>11:00 - 12:00</b>	<b>0.325</b>	<b>0.325</b>	<b>4</b>	<b>4</b>	<b>0</b>
12:00 - 13:00	0	0.163	0	2	-2
13:00 - 14:00	0	0	0	0	0
14:00 - 15:00	0.325	0.163	4	2	2
15:00 - 16:00	0.488	0.325	6	4	2
16:00 - 17:00	0.325	0.813	4	10	-6
17:00 - 18:00	0	0.488	0	6	-6
18:00 - 19:00	0	0.488	0	6	-6
19:00 - 20:00	0	0	0	0	0
20:00 - 21:00	0	0	0	0	0

The peak hour as seen from the TRICS data for the Day Care center is between 09:00 – 10:00 (AM Peak hour), and 11:00 – 12:00 (Mid-day departure peak). The proposed geriatric day care center has a GFA of approx. 1,267 sqm, and the trip generation has been calculated per 100 sqm.

No over-lap in peak vehicle hours (both arriving and departure) has been observed between the permitted nursing home facility and the proposed geriatric day care center.

Therefore, the 39no. car parking spaces permitted under planning ref. SDDC Reg. Ref. No. SD18A/0328 (An Bord Pleanála under ABP- 304708-19) can be used as shared spaces for both permitted and proposed development.

#### 7.2.1 Bicycle spaces

The bicycle parking provision of the proposed development has been assessed with respect to the South Dublin County Council Development Plan 2016-2022.

Table 4 – Bicycle Parking Provision

Use	Cycle Parking Minimum	Quantum	Minimum Provision	Proposed Provision
Long-stay	1 space per 5 staff	25 staff	5 spaces	5 spaces
Short-stay	0.5 per consulting room	8no. consulting rooms	4 spaces	4 spaces
TOTALS			9 spaces	9 spaces

A total of 9no. bicycle parking spaces shall be provided in a safe, secure area for the proposed development.

Table 5 – Bus services in the vicinity of the development

Route No.	Operator	Destinations	Weekday Services	Peak Interval
13	Dublin Bus	Harristown / Grange Castle	85	10 mins
68, 68a	Dublin Bus	Hawkins St. / Newcastle / Greenogue Business	20	30 mins
69	Dublin Bus	Hawkins St. / Rathcoole	18	45 mins
76, 76a	Go-Ahead	Glenaulin / Belgard Square South	51	20 mins

# Irish Water Webmap



November 21, 2017

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## Legend

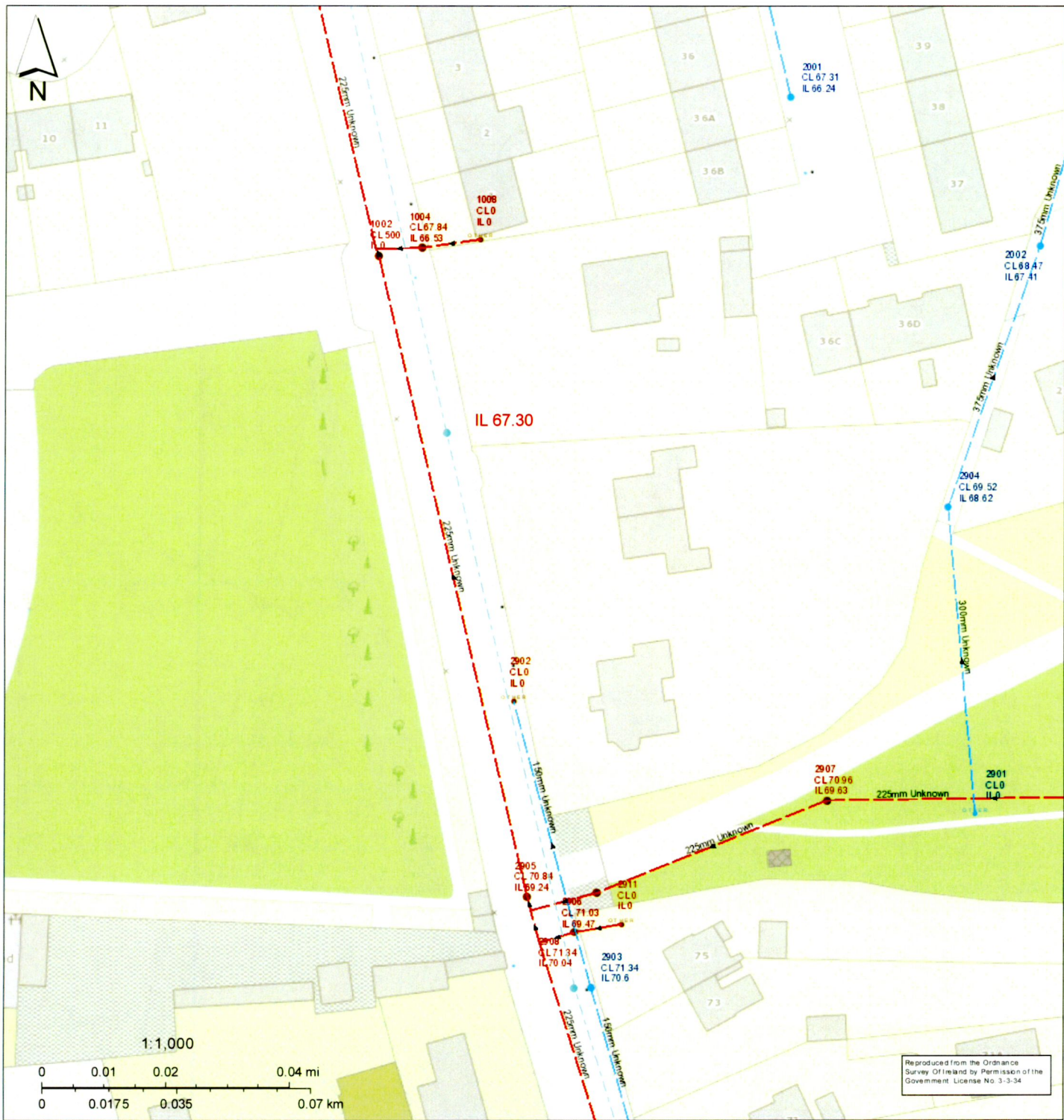
<b>Stormwater Gravity Mains (Irish Water Owned)</b>	<b>Storm Fittings</b>	<b>Sewer Gravity Mains (Non-Irish Water owned)</b>
— Surface	— Vent/Col	— Combined
<b>Stormwater Gravity Mains (Non-Irish Water Owned)</b>	— Other: Unknown	— Foul
— Surface	<b>Storm Discharge Points</b>	— Overflow
<b>Storm Manholes</b>	— Outfall	<b>Sewer Pressurized Mains (Irish Water owned)</b>
— Cascade	— Overflow	— Combined
— Catchpit	— Soakaway	— Foul
— Hatchbox	— Other: Unknown	— Overflow
— Lamphole	— Storm Culverts	— Unknown
— Standard	<b>Sewer Storm Clean Outs</b>	<b>Sewer Pressurized Mains (Non-Irish Water owned)</b>
— Other: Unknown	— Storm Clean Outs	— Combined
<b>Storm Inlets</b>	— Combined	— Foul
— Gully	— Foul	— Overflow
— Standard	— Overflow	— Unknown
— Other: Unknown	— Unknown	

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. It should not be relied upon in the event of excavations or other works being carried out in the vicinity of the network. The onus is on the parties carrying out the works to ensure the exact location of the network is identified prior to mechanical works being carried out. Service pipes are not generally shown but their presence should be anticipated.



"Gas Networks Ireland (GNI), their affiliates and partners, accept no responsibility for any information contained in this document concerning location and technical designation of the gas distribution and transmission network ("the Information"). Any representations and warranties express or implied, (are excluded to the fullest extent permitted by law. No liability shall be accepted for any loss or damage including, without limitation, direct, indirect, special, incidental, punitive or consequential loss including loss of profits, arising out of or in connection with the use of the Information (including maps or mapping data). 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 the 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](http://www.hsa.ie)."

# Irish Water Webmap



November 22, 2017

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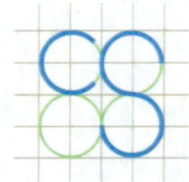
## Legend

<b>Stormwater Gravity Mains (Irish Water Owned)</b> — Surface	<b>Storm Fittings</b> — Vent/Col — Other; Unknown	<b>Sewer Gravity Mains (Non-Irish Water owned)</b> — Combined — Foul — Overflow — Unknown
<b>Stormwater Gravity Mains (Non-Irish Water Owned)</b> — Surface	<b>Storm Discharge Points</b> — Outfall — Overflow — Soakaway — Other; Unknown — Storm Culverts — Storm Clean Outs	<b>Sewer Pressurized Mains (Irish Water owned)</b> — Combined — Foul — Overflow — Unknown
<b>Storm Manholes</b> — Cascade — Catchpit — Hatchbox — Lamphole — Standard — Other; Unknown	<b>Sewer Gravity Mains (Irish Water owned)</b> — Combined — Foul — Overflow — Unknown	<b>Sewer Pressurized Mains (Non-Irish Water owned)</b> — Combined — Foul — Overflow — Unknown
<b>Storm Inlets</b> — Gully — Standard — Other; Unknown		

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. It should not be relied upon in the event of excavations or other works being carried out in the vicinity of the network. The onus is on the parties carrying out the works to ensure the exact location of the network is identified prior to mechanical works being carried out. Service pipes are not generally shown but their presence should be anticipated.



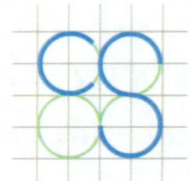
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**Appendix B: South Dublin Flood Zoning Map**



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## Appendix C: Correspondence with Irish Water



4 Please indicate whether it is the applicant or agent who should receive future correspondence in relation to the enquiry:

Applicant

Agent

### Section B | Site details

5 Site address: 

C	O	N	V	E	N	T		R	O	A	D								
C	L	O	N	D	A	L	K	I	N										
D	U	B	L	I	N		2	2											

6 Irish Grid co-ordinates of site: E(X) 

3	0	7	0	4	5
---	---	---	---	---	---

 N(Y) 

2	3	0	9	5	7
---	---	---	---	---	---

  
 Eg. co-ordinates of GPO, O'Connell St., Dublin: E(X) 315,878 N(Y) 234,619

7 Local Authority:  
Local Authority that granted planning permission (if applicable):  

S	O	U	T	H		D	U	B	L	I	N		C	O	U	N	T	Y		C	O	U	N	C	I	L		
---	---	---	---	---	--	---	---	---	---	---	---	--	---	---	---	---	---	---	--	---	---	---	---	---	---	---	--	--

8 Has full planning permission been granted? Yes  No   
If 'Yes', please provide the current or previous planning reference number:  

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

9 Previous use of this site (if applicable): 

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

10 Date that previous development was last occupied (if applicable): 

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11 Are there poor ground conditions on-site? Yes  No   
If 'Yes', please include site investigation report and a detailed site-specific report on the approach being taken to deal with ground conditions specifically with regard to pipe support and trenching.

12 Are there potential contaminated land issues? Yes  No   
If 'Yes', please include a detailed site-specific report on the approach being taken to deal with contaminated land and the measures being taken to mitigate the impact on infrastructure.

13 Is the development compliant with the local area development plan? Yes  No

25 **Is on-site water storage being provided?** Yes  No   
 Please include calculations (details and capacity) of all water storage provided on-site on the attached sheet provided.

26 **Are there fire flow requirements?** Yes  No

Additional fire flow requirements over and above those identified in Q20, Q21 and Q22 above	N/A	I/s
---	-----	-----

Please include calculations on the attached sheet provided, and include confirmation of requirements from the Fire Authority.

27 **Do you propose to supplement your potable water supply from other sources?** Yes  No

If 'Yes', please indicate how you propose to supplement your potable water supply from other sources (see **Guide to completing the application form** on page 12 of this document for further details):

N	/	A																		

**Section D | Wastewater connection and discharge details**

28 **Is there an existing connection to a public sewer at the site?** Yes  No

29 **Is this enquiry for an additional connection to one already installed?** Yes  No

30 **Is this enquiry to increase the size of an existing connection?** Yes  No

31 **Is this enquiry for a new wastewater connection?** Yes  No

32 **Approximate date that wastewater connection is required:** 0 5 / 0 8 / 2 0 1 9

33 **Please indicate pre-development wastewater discharge (if applicable):**

Pre-development peak discharge	N/A	I/s
Pre-development average discharge	N/A	I/s

Pre-development refers to brownfield sites only. Please include calculations on the attached sheet provided.

34 **Please indicate the domestic wastewater hydraulic load (housing developments only):**

Post-development peak discharge	N/A	I/s
Post-development average discharge	N/A	I/s

Please include calculations on the attached sheet provided.

35 **Please indicate the commercial wastewater hydraulic load (shops, offices, schools, hotels, restaurants, etc.):**

Post-development peak discharge	3.767	I/s
Post-development average discharge	0.628	I/s

Please include calculations on the attached sheet provided.

## Section E | Development details

42 Please outline the domestic and/or industry/business use proposed:

Property type	Total number of units for this application
Domestic	
Office	
Residential care home	155 BEDROOMS
Hotel	
Factory	
School	
Institution	
Retail unit	
Industrial unit	
Other (please specify)	

43 Approximate start date of proposed development:

0 5 / 0 8 / 2 0 1 9

44 Is the development multi-phased?

Yes  No

If 'Yes', application must include a master-plan identifying the development phases and the current phase number.

If 'Yes', please provide details of variations in water demand volumes and wastewater discharge loads due to phasing requirements.

# Calculations

## Water demand

### WATER DEMAND CALCULATIONS

According to Code of Practice for Water Infrastructure (December 2017), item 3.7.2 Water Demand Calculations:

Consumption rate	350	l/head
<b>Number of bed</b>	<b>155</b>	<b>units</b>
Peaking Factor (Average)	1.5	times
Peaking Factor (pipe network)	4	times

Peak Water Demand = Water Demand Average x Peaking Factor

Number of bed	155	units
Consumption Rate	350	l/head
<b>Water Demand</b>	<b>54.25</b>	<b>m<sup>3</sup>/day</b>
<b>Water Demand</b>	<b>54250</b>	<b>l/day</b>

Peak Water Demand	0.942	l/s
<b>Peak Water Demand - Pipe Network</b>	<b>2.512</b>	<b>l/s</b>
<b>Average Water Demand</b>	<b>0.628</b>	<b>l/s</b>

1 day	86400	s
Water Demand	0.628	l/s

Foul wastewater discharge

**FOUL WASTEWATER DISCHARGE CALCULATIONS**

According to Code of Practice for Wastewater Infrastructure (December 2017), item 3.6 Hydraulic Design for Gravity Sewers:

Flow rate - nursing      350      l/head  
 Peaking factor (Pf)      6      Population 0 to 750

Wastewater Discharge = Dwelling x Dry weather flows

Peak Discharge = Wastewater Discharge x Peaking Factor

Number of bed	155	units
Flow rate - nursing	350	l/head
<b>Wastewater Discharge</b>	<b>54.25</b>	<b>m<sup>3</sup>/day</b>
<b>Wastewater Discharge</b>	<b>54250.00</b>	<b>l/day</b>
1 day	86400	s
Wastewater Discharge	0.628	l/s

<b>Peak Discharge</b>	<b>3.767</b>	<b>l/s</b>
<b>Average Discharge</b>	<b>0.628</b>	<b>l/s</b>

Gessica Silva  
19-22 Dame Street  
Dublin



Uisce Éireann  
Bosca OP 6000  
Baile Átha Cliath 1  
Éire

Irish Water  
PO Box 6000  
Dublin 1  
Ireland

T: +353 1 89 25000  
F: +353 1 89 25001  
[www.water.ie](http://www.water.ie)

08 August 2018

Dear Sir/Madam,

**Re: Customer Reference No 5507690942 pre-connection enquiry - Subject to contract | Contract denied  
[Connection for 155 bed residential care home]**

Irish Water has reviewed your pre-connection enquiry in relation to water and wastewater connections at Convent Road Clondalking Dublin. Based upon the details you have provided with your pre-connection enquiry and on the capacity currently available as assessed by Irish Water, we wish to advise you that, subject to a valid connection agreement being put in place, your proposed connection to the Irish Water network can be facilitated.

You are advised that this correspondence does not constitute an offer in whole or in part to provide a connection to any Irish Water infrastructure and is provided subject to a connection agreement being signed at a later date.

A connection agreement can be applied for by completing the connection application form available at [www.water.ie/connections](http://www.water.ie/connections). Irish Water's current charges for water and wastewater connections are set out in the Water Charges Plan as approved by the Commission for Regulation of Utilities.

If you have any further questions, please contact us on **1850 278 278** or **+353 1 707 2828, 8.00am-4.30pm, Mon-Fri** or email [newconnections@water.ie](mailto:newconnections@water.ie). For further information, visit [www.water.ie/connections](http://www.water.ie/connections)

Yours sincerely,

**Maria O'Dwyer**  
Connections and Developer Services

**Stiúrthóirí / Directors:** Mike Quinn (Chairman), Jerry Grant, Cathal Marley, Brendan Murphy, Michael G. O'Sullivan  
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Is cuideachta ghníomhaíochta ainmnithe atá faoi theorainn scaireanna é Uisce Éireann / Irish Water is a designated activity company, limited by shares.  
**Uimhir Chláraithe in Éirinn / Registered in Ireland No.:** 530363

Calculation Reference: AUDIT-656801-220803-0837

**TRIP RATE CALCULATION SELECTION PARAMETERS:**

Land Use : 05 - HEALTH

Category : E - CLINICS

**MULTI-MODAL CARS**Selected regions and areas:**08 NORTH WEST**

MS MERSEYSIDE

1 days

*This section displays the number of survey days per TRICS® sub-region in the selected set***Primary Filtering selection:***This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.*

Parameter: Gross floor area  
 Actual Range: 615 to 615 (units: sqm)  
 Range Selected by User: 60 to 4000 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/14 to 26/11/19

*This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.*Selected survey days:

Wednesday 1 days

*This data displays the number of selected surveys by day of the week.*Selected survey types:

Manual count 1 days  
 Directional ATC Count 0 days

*This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.*Selected Locations:

Edge of Town Centre 1

*This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.*Selected Location Sub Categories:

Built-Up Zone 1

*This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.***Secondary Filtering selection:**Use Class:

E(e) 1 days

*This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.*Population within 500m Range:

All Surveys Included

LIST OF SITES relevant to selection parameters

<b>1</b>	<b>MS-05-E-01</b>	<b>COSMETIC SURGERY CLINIC</b>	<b>MERSEYSIDE</b>
	RODNEY STREET		
	LIVERPOOL		
	Edge of Town Centre		
	Built-Up Zone		
	Total Gross floor area:	615 sqm	
	Survey date: WEDNESDAY	28/11/18	Survey Type: MANUAL

*This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.*



Calculation Reference: AUDIT-656801-220803-0805

**TRIP RATE CALCULATION SELECTION PARAMETERS:**

Land Use : 05 - HEALTH  
 Category : F - CARE HOME (ELDERLY RESIDENTIAL)

**MULTI-MODAL CARS**

Selected regions and areas:

<b>04</b>	<b>EAST ANGLIA</b>	
	CA CAMBRIDGESHIRE	1 days
<b>09</b>	<b>NORTH</b>	
	TW TYNE & WEAR	1 days
<b>11</b>	<b>SCOTLAND</b>	
	EB CITY OF EDINBURGH	1 days

*This section displays the number of survey days per TRICS® sub-region in the selected set*

**Primary Filtering selection:**

*This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.*

Parameter: Number of residents  
 Actual Range: 48 to 56 (units: )  
 Range Selected by User: 17 to 180 (units: )

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/14 to 09/11/21

*This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.*

Selected survey days:

Thursday	1 days
Saturday	1 days
Sunday	1 days

*This data displays the number of selected surveys by day of the week.*

Selected survey types:

Manual count	3 days
Directional ATC Count	0 days

*This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.*

Selected Locations:

Suburban Area (PPS6 Out of Centre)	3
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*This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.*

Selected Location Sub Categories:

Residential Zone	3
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*This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.*

LIST OF SITES relevant to selection parameters

<p><b>1 CA-05-F-01 NURSING HOME</b>                      PARK CRESCENT                      PETERBOROUGH</p> <p>Suburban Area (PPS6 Out of Centre)                      Residential Zone                      Total Number of residents: 48  <i>Survey date: SUNDAY 16/10/16</i></p>	<p><b>CAMBRIDGESHIRE</b></p> <p><i>Survey Type: MANUAL</i></p>
<p><b>2 EB-05-F-01 NURSING HOME</b>                      CRAIGHOUSE TERRACE                      EDINBURGH</p> <p>Suburban Area (PPS6 Out of Centre)                      Residential Zone                      Total Number of residents: 56  <i>Survey date: SATURDAY 19/03/16</i></p>	<p><b>CITY OF EDINBURGH</b></p> <p><i>Survey Type: MANUAL</i></p>
<p><b>3 TW-05-F-03 NURSING HOME</b>                      MOORE STREET                      GATESHEAD                      FELLING SHORE                      Suburban Area (PPS6 Out of Centre)                      Residential Zone                      Total Number of residents: 52  <i>Survey date: THURSDAY 02/05/19</i></p>	<p><b>TYNE &amp; WEAR</b></p> <p><i>Survey Type: MANUAL</i></p>

*This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.*