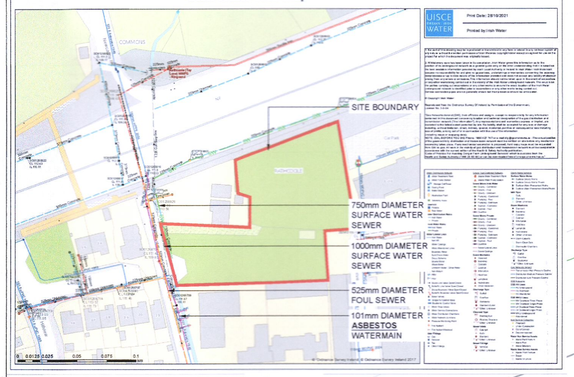
## Irish Water Web Map




## REVISION SCHEDULE

| REV. NO. | REV. DESCRIPTION | REV. DATE | DRAWN | CHECKED |
|---|---|---|---|---|
| D1 | DRAFT ISSUE | 17/06/2022 | BD | KF |
| D2 | REVISED DRAFT ISSUE | 04/08/2022 | BD | KF |
| P1 | PLANNING ISSUE | 19/08/2022 | BD | KF |

SITE BOUNDARY

N7 DUAL CARRIAGEWAY

EATON DRIVE

TAY LANE

EX. SOO1256826 CL=111.19 IL=110.56

EX. FSMH CL=111.55 IL=109.85

EX. SWMH CL=111.96 IL=110.19

EXISTING 750mm DIAMETER PUBLIC SURFACE WATER SEWER - DIVERTING EXISTING STREAM

EXISTING 525mm DIAMETER PUBLIC FOUL SEWER

EXISTING 101mm ASBESTOS WATER MAIN

PRECAST CONCRETE TANK TO PROVIDE MINIMUM 24m³ 24 HOUR STORAGE VOLUME FOR THE FOUL WATER FOR ALL APARTMENTS. FOUL WATER SHALL DISCHARGE TO THE PUBLIC SEWER SYSTEM BETWEEN THE HOURS OF 22:00 - 06:00.

FOUL SEWER STANDOFF MANHOLE WITH DUTY AND STANDBY PUMPS WITH AUDIO AND VISUAL ALARMS CONNECTED TO BMS SYSTEM.

1000mm DIAMETER CONCRETE SURFACE WATER SEWER OVERFLOW

NEW 150 mm Ø CONNECTION TO EXISTING PUBLIC SEWER ON TAY LANE

LOCATION OF EXISTING WATER HYDRANT

FINAL FOUL WATER MANHOLE IN ACCORDANCE WITH IRISH WATER SPECIFICATIONS

NEW WATER METER TO IRISH WATER SPECIFICATION

NEW DUCK FOOT HYDRANT FOR FIRE FIGHTING PURPOSES

NEW 100mm DIAMETER WATER MAIN TO SERVE HYDRANT

100mm Ø uPVC FOUL SEWER @ 1:80 FALLS

100mm Ø uPVC SURFACE WATER SEWER @ 1:100 FALLS

150mm Ø uPVC SURFACE WATER SEWER @ 1:120 FALLS

150mm DIAMETER UPVC (SN8) SEWER @ 1:60 FALLS

OUTFALL MANHOLE FROM SOAKAWAY TO BE FITTED WITH FLOW CONTROL DEVICE TO RESTRICT OUTFLOW RATE TO MAXIMUM 2.50L/sec

SURFACE WATER MANHOLE FITTED WITH SILT TRAP & LEAF BASKET

PROPOSED LOCATION OF SOAKAWAY 15.5m LONG x 11.0m WIDE x 0.8m DEEP IN ACCORDANCE WITH BRE 365 TO CATER FOR 1660m³ OF ROOF AREA FOR THE 1 IN 30 YEAR STORM WITH A 24 HOUR STORAGE PERIOD. SOAKAWAY TO BE CONSTRUCTED WITH WAVIN AQUACELL UNITS LINED IN TERRAM GEOTEXTILE WITH MINIMUM 100mm STONE BEDDING AND SURROUND. FINISHES TO ARCHITECT'S SPECIFICATION..

NOTE:
SOAKAWAY TO BE CONFIRMED BY SITE TESTING SEE SITE TEST SHEET

FSIC 01 CL= 113.55 IL= 113.05
SWIC 06 CL=113.55 IL=112.76
SWIC 07 CL=113.55 IL=112.69
SWIC 08 CL=113.55 IL=112.65
FSIC 05 CL= 113.55 IL= 112.59
SWIC 01 CL=113.55 IL= 113.09
SWIC 10 CL=113.55 IL=112.33
FSIC 07 CL= 113.55 IL= 112.18
FSIC 04 CL= 113.55 IL= 112.15
SWIC 09 CL=113.55 IL=112.39
FSIC 06 CL= 113.55 IL= 112.26
FSIC 02 CL= 113.55 IL= 112.55
SWIC 02 CL=113.55 IL=112.73
FSIC 03 CL= 113.55 IL= 112.49
SWIC 03 CL=113.55 IL=112.65
FSIC 08 CL= 113.55 IL= 112.58
FSMH 04 CL= 111.55 IL= 111.27 ILO= 110.92
FSMH 03 CL= 111.80 IL= 111.37
FSMH 02 CL= 112.05 IL= 111.48
FSMH 01 CL= 113.05 IL= 111.92
SWMH 03 CL=112.67 ILI=111.44
SWMH 02 CL=113.05 ILI=112.08 ILO= 111.51
SWMH 01 CL=113.05 IL=112.10
SWMH 04 CL=111.59 IL=111.19
FSIC 10 CL= 113.05 IL= 112.04
FSIC 09 CL= 113.25 IL= 112.32
SWIC 05 CL=113.05 IL=112.14
SWIC 04 CL=113.25 IL=112.38

### DRAINAGE NOTES:

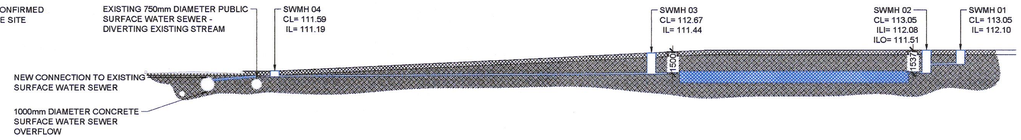
1. READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS.
2. MANHOLE AND ROAD GULLY DETAILS TO COMPLY WITH SOUTH DUBLIN COUNTY COUNCIL AND IRISH WATER'S STANDARD DETAILS.
3. ALL PIPES TO BE WAVIN uPVC (SN8) OR SIMILAR SAVE FOR SEWERS IN PUBLIC ROADWAY WHICH ARE TO BE CLAY.
4. WHERE COVER TO PIPES IS LESS THAN 1.2M IN ROADS, 1.0M IN PUBLIC AREAS AND 0.6M IN GRASSED/LANDSCAPED AREAS, SURROUND THE PIPE UP TO 150MM WITH 100MM CONCRETE AND LARGER PIPES WITH 150MM CONC.
5. BACK-FILL TRENCHES IN ROADS WITH MOT STONE COMPACTED IN LAYERS.
6. CLOSE ROAD GULLIES IN THE DIRECTION OF TRAFFIC FLOW.
7. ADJUST FOUNDATION DEPTHS, AS NECESSARY, ADJACENT TO SEWERS TO AVOID UNDERMINING OF THE FOUNDATIONS.
8. DO NOT SET OUT FROM THIS DRAWING. SETTING OUT TO BE DONE FROM ARCHITECT'S DRAWINGS.
9. MANHOLE COVERS AND FRAMES SHALL COMPLY WITH THE LA STANDARD PATTERN WITH MIN OPENING OF 600MM & WITH CLOSED KEYWAYS. HEAVY DUTY TYPE A MANHOLES IN ALL TRAFFICKED AREAS AND MEDIUM DUTY TYPE B ELSEWHERE, TO BS EN124. TYPE C MAY BE USED IN ENCLOSED PRIVATE GARDENS.
10. DOUBLE GULLIES, WITH SEPARATE CONNECTIONS TO MAIN, TO BE PROVIDED AT LOW POINTS AND AT THE ENDS OF CUL DE SACS. MAXIMUM RUN OF PIPE 15M. MINIMUM PIPE DIAMETER 150MM. MAXIMUM GULLY SPACING FOR ROADS UP TO 7M WIDE TO BE 50M UNO.
11. MANHOLES ON HOUSE DRAINS TO BE IN PRIVATE PROPERTY. HOUSE DRAINS SHALL NOT PASS THROUGH PROPERTY THEY DO NOT SERVE.
12. RECORD DRAWINGS OF THE AS CONSTRUCTED WORK SHALL BE MADE AVAILABLE TO CORA AT THE END OF THE PROJECT.

### DRAINAGE LEGEND

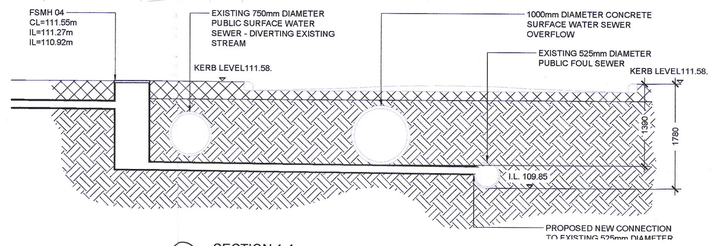
- FOUL SEWER (EXISTING)
- FOUL SEWER (NEW)
- FOUL SEWER (SLUNG FROM GROUND FLOOR SLAB)
- SURFACE WATER SEWER (EXISTING)
- SURFACE WATER SEWER (NEW)
- SURFACE WATER (SLUNG FROM GROUND FLOOR SLAB)
- GREY WATER SEWER (EXISTING)
- GREY WATER SEWER (NEW)
- FOUL SEWER RISING MAIN
- SURFACE WATER RISING MAIN
- GREY WATER RISING MAIN
- EXISTING SEWER TO BE DECOMMISSIONED
- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- PROPOSED FLOOD PIPES
- FSMH (NEW FOUL SEWER MANHOLE)
- SWMH (NEW SURFACE WATER MANHOLE)
- NEW FIRE HYDRANT
- S.V. NEW SLUICE VALVE
- A.V. NEW AIR VALVE
- WO NEW WASHOUT HYDRANT
- Me NEW METER
- RWP RAIN WATER DOWN PIPE
- P.U. POP UP
- SVP SOIL VENT PIPE
- EX. FSMH (EXISTING FOUL SEWER MANHOLE)
- EX. SWMH (EXISTING SURFACE WATER MANHOLE)
- MH (EXISTING MANHOLE TO BE DEMOLISHED)
- F.S.I.C. (FOUL SEWER INSPECTION CHAMBER)
- S.W.I.C. (SURFACE WATER INSPECTION CHAMBER)
- E.I.C. (EXISTING INSPECTION CHAMBER)
- F.G. FLOOR GULLY
- B.I.G.T. BACK INLET GULLY TRAP
- ACO ACO DRAINAGE CHANNEL
- SURFACE WATER EXCEEDANCE FLOW ROUTE

## 2 - PUBLIC DRAINAGE RECORDS
NOT TO SCALE

## 1 - PROPOSED DRAINAGE SITE PLAN
SCALE 1:200




## 2-2 - SECTION 2-2
SCALE 1:200




## 1-1 - SECTION 1-1
SCALE 1:50

| | | | |
|---|---|---|---|
| Drawing Stage: PLANNING | Project Details: | | Notes |
| | Site Address: | ST. BRIDGETS TAYLANE, RATHCOOLE, CO. DUBLIN | |
| | Client: | RIVERSIDE PROJECTS Ltd. | |
| | Architect: | PAC STUDIO | |
| | M&E Designer: | - | |
| | Contractor: | - | |

| Drawn by: | Checked by: | Approved by: | Date: |
|---|---|---|---|
| SG | JP | JP | 08/11/2021 |

Project Name: ST. BRIDGETS TAYLANE, RATHCOOLE
Scale: 1:50 @ A1
Project Number: 2127
Drawing Title: PROPOSED DRAINAGE SITE PLAN

| Project: | Originator: | Zone: | Level: | Type: | Discipline: | Drawing No: | Stage: | Revision: |
|---|---|---|---|---|---|---|---|---|
| - | CORA | - | - | DR | C | 001 | P | 01 |

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