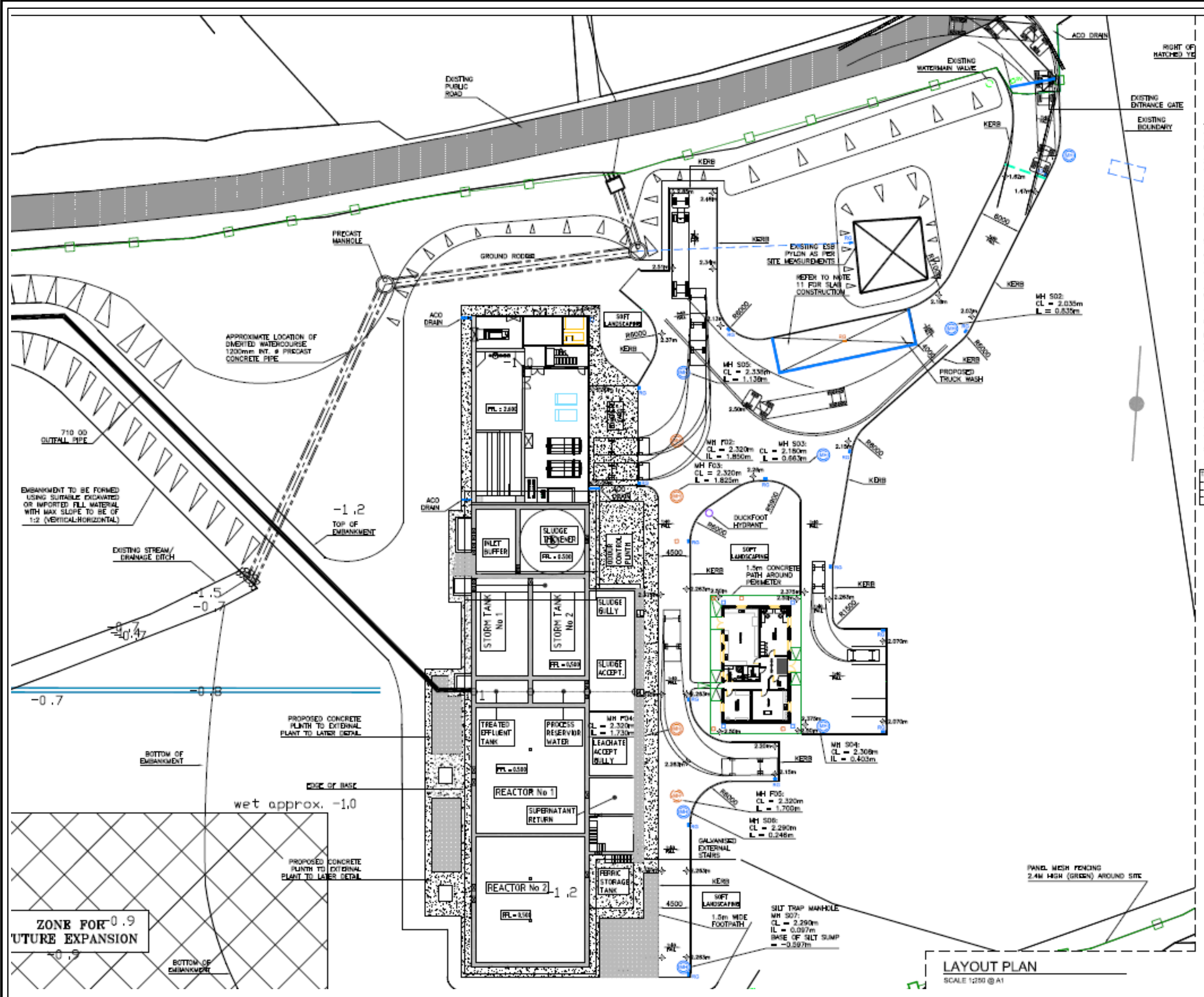




ATTACHMENT B.2.2:

MAP 3 - CARRIGTWOHILL WWTP SITE LOCATION PLAN



LAYOUT PLAN
SCALE 1:250 @ A1

SIGNED: _____
 PRINT NAME: _____
 POSITION: _____
 DATE: _____
 FOR UISCE ÉIREANN

Rev	Date	Description	Drn	Chk	App

LICENCE APPLICATION

CLIENT: **UISCE ÉIREANN**
 Colvill House,
 24-26 Talbot Street,
 Dublin 1
 Tel. 1890 278 278 Web. www.water.ie

PROJECT: **MIDLETON
 WASTE WATER DISCHARGE
 LICENCE REVIEW APPLICATION**

TITLE: **MAP 3
 CARRIGTWOHILL WWTP SITE
 LOCATION PLAN**

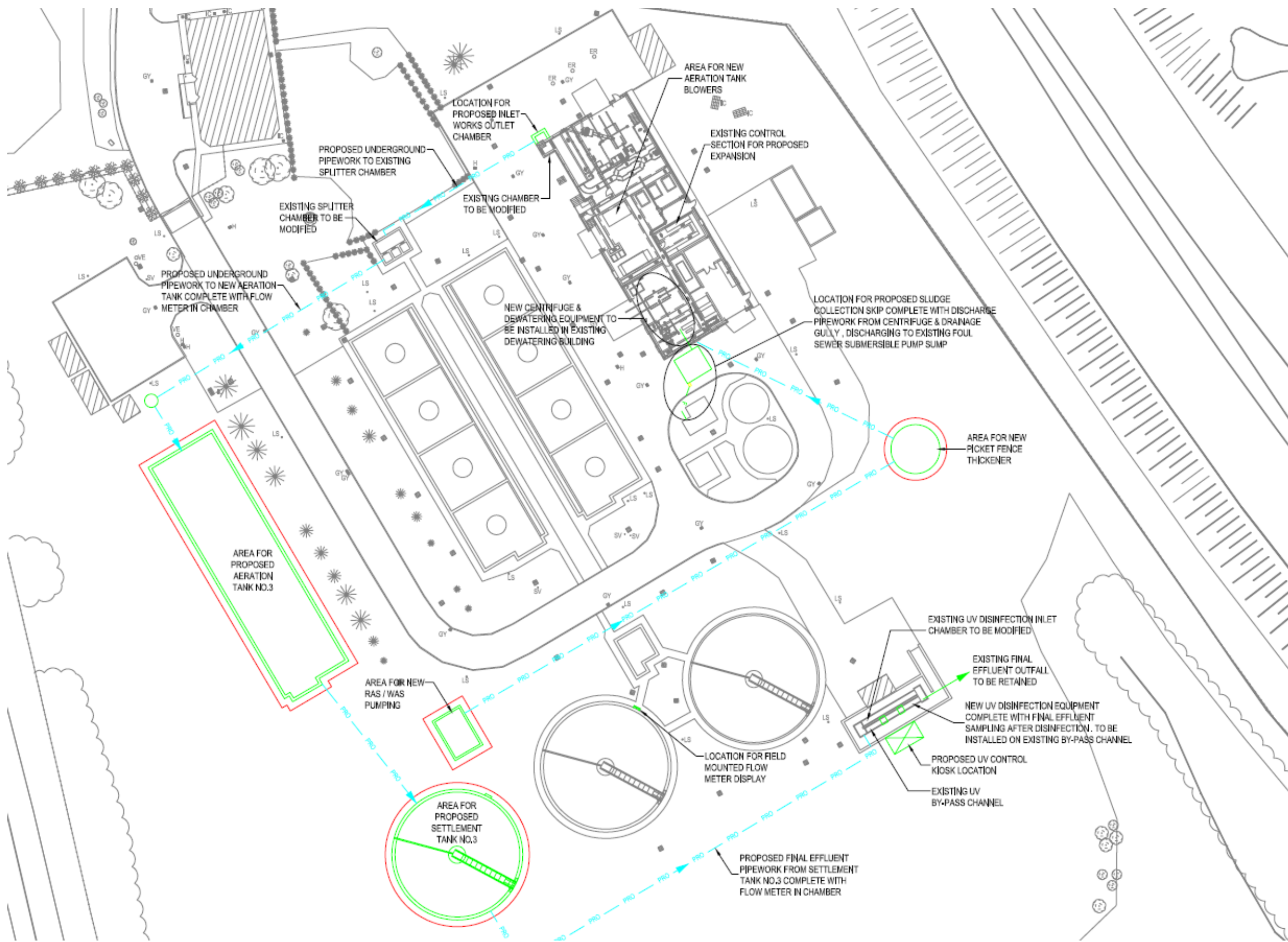
SCALE: 1:5,000
 DRAWN: R. Clarke
 DATE: 13/06/2023

ATTACHMENT: **B.2.2**



ATTACHMENT B.2.2:

MAP 4 – MIDLETON WWTP SITE LOCATION PLAN



SIGNED: _____

PRINT NAME: _____

POSITION: _____

DATE: _____

FOR UISCE ÉIREANN

Rev	Date	Description	Drn	Chk	App

LICENCE APPLICATION

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PROJECT: **MIDLETON WASTE WATER DISCHARGE LICENCE REVIEW APPLICATION**

TITLE: **MAP 4 MIDLETON WWTW SITE LOCATION PLAN**

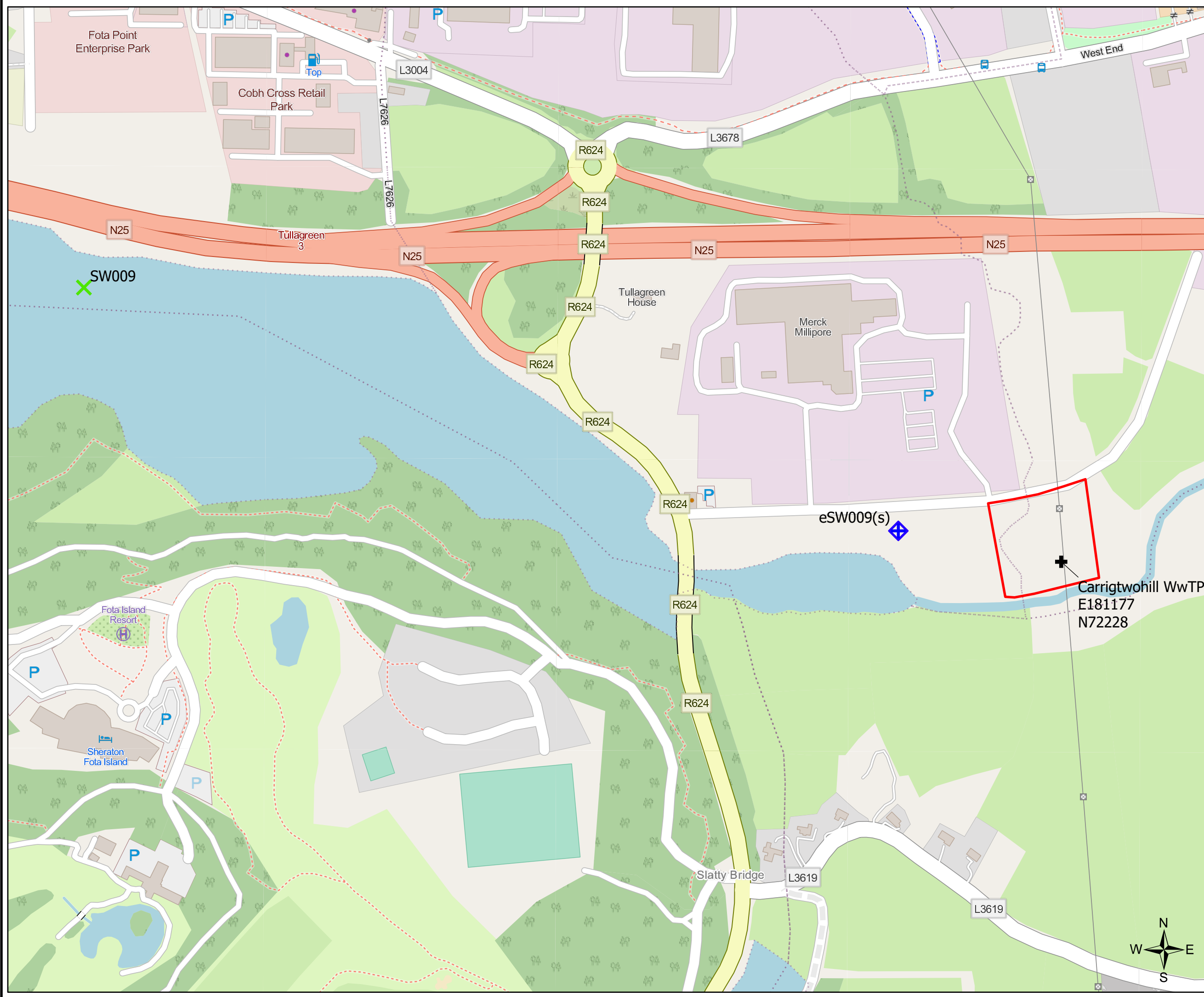
SCALE: 1:33,000
 DRAWN: R. Clarke
 DATE: 13/06/2023

ATTACHMENT: **B.2.2**



ATTACHMENT B.2.2:

MAP 5 – LOCATION OF PRIMARY DISCHARGE POINT & SAMPLING POINT



NOTES:

- Legend**
- ✕ SW009 - PRIMARY DISCHARGE POINT
 - CARRIGTWOHILL WASTE WATER TREATMENT PLANT SITE
 - ⬠ eSW009(s) - EFFLUENT SAMPLING POINT

Location Name	Easting	Northing
SW009	179911	72583
eSW009(s)	180966	72268

SIGNED: _____

PRINT NAME: _____

POSITION: _____

DATE: _____

FOR UISCE ÉIREANN

Rev	Date	Description	Drn	Chk	App

LICENCE APPLICATION

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PROJECT: **MIDLETON
 WASTE WATER DISCHARGE
 LICENCE REVIEW APPLICATION**

TITLE: **MAP 5
 LOCATION OF PRIMARY DISCHARGE
 POINT AND EFFLUENT SAMPLING POINT**

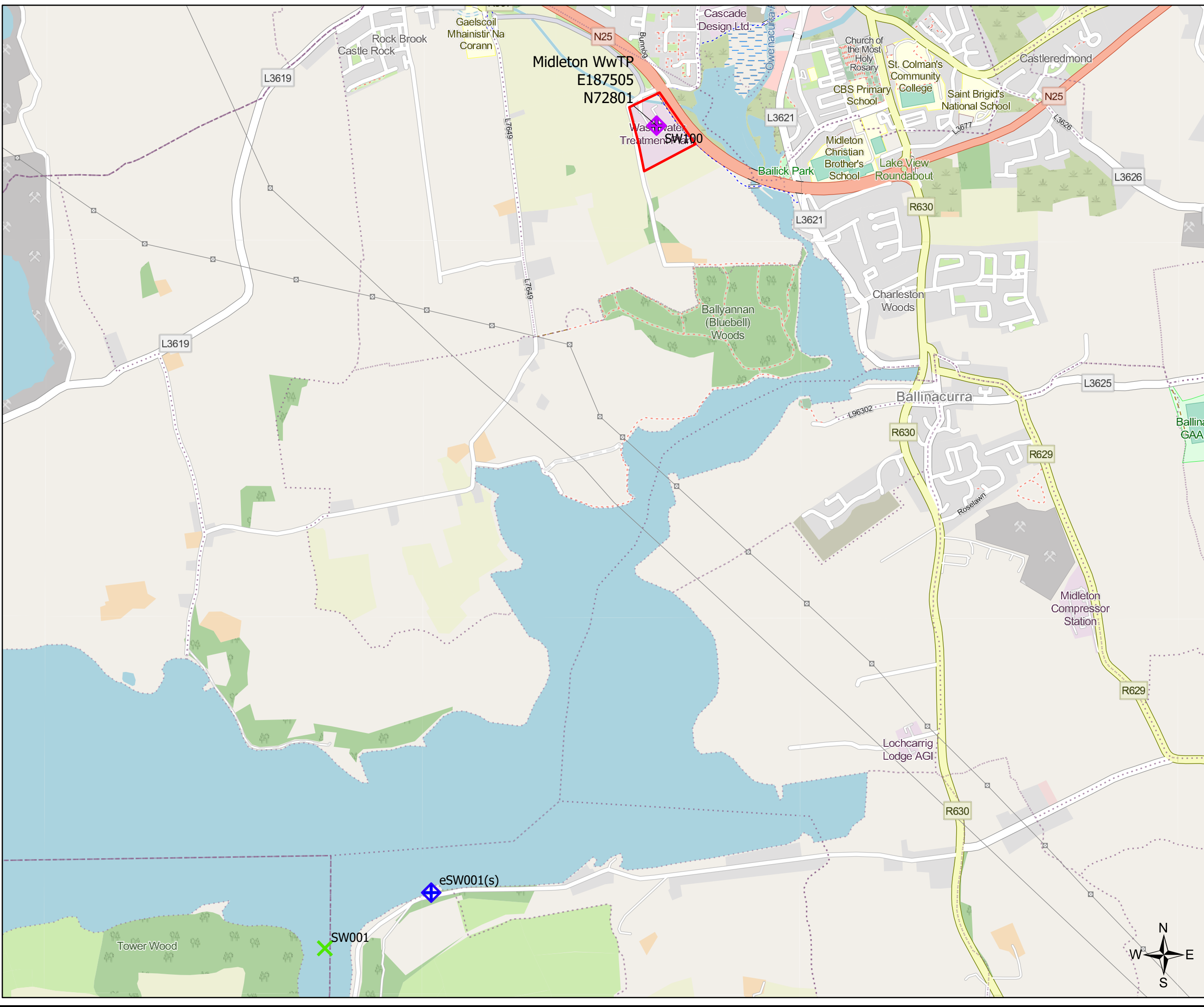
SCALE: 1:4,500
 DRAWN: R. Clarke
 DATE: 13/06/2023

ATTACHMENT: **B.2.2**



ATTACHMENT B.2.2:

MAP 6 - LOCATION OF SECONDARY DISCHARGE POINT & SAMPLING POINT



NOTES:

Legend

- ✕ SW001 - SECONDARY DISCHARGE POINT
- MIDDLETON WASTE WATER TREATMENT PLANT SITE
- ⬠ eSW001(s) - SECONDARY DISCHARGE EFFLUENT SAMPLING POINT
- ⬠ SW100 - MIDDLETON WWTP EFFLUENT SAMPLING POINT

Location Name	Easting	Northing
SW001	186177	69506
eSW001(s)	186603	69729
SW100	187505	72801

SIGNED: _____

PRINT NAME: _____

POSITION: _____

DATE: _____

FOR UISCE ÉIREANN

Rev	Date	Description	Drn	Chk	App

LICENCE APPLICATION

CLIENT: **UISCE ÉIREANN**
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 Dublin 1
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PROJECT: **MIDDLETON WASTE WATER DISCHARGE LICENCE REVIEW APPLICATION**

TITLE: **MAP 6 LOCATION OF SECONDARY DISCHARGE POINT AND EFFLUENT SAMPLING POINT**

SCALE: 1:14,000 DRAWN: R. Clarke
 DATE: 13/06/2023

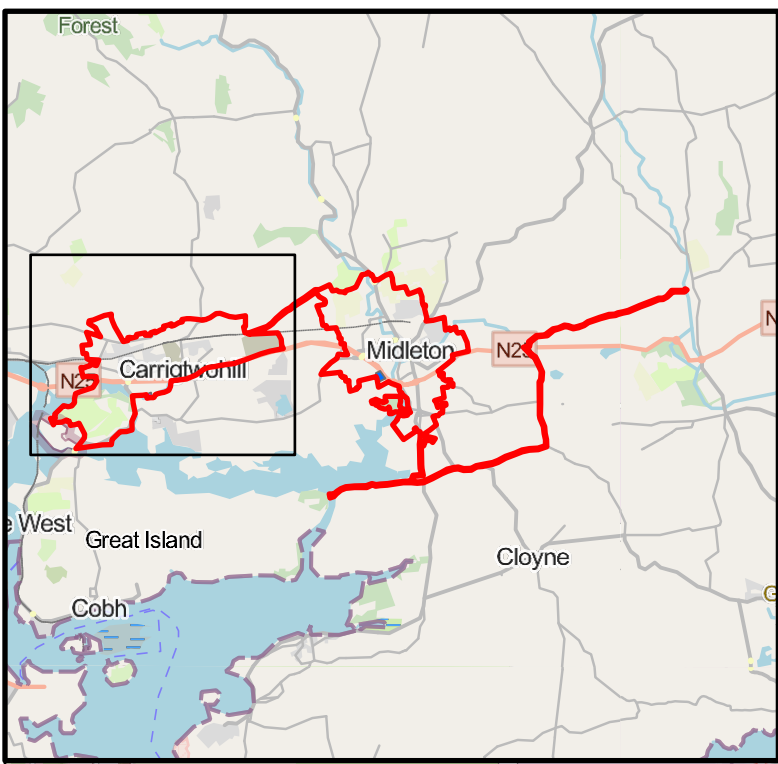
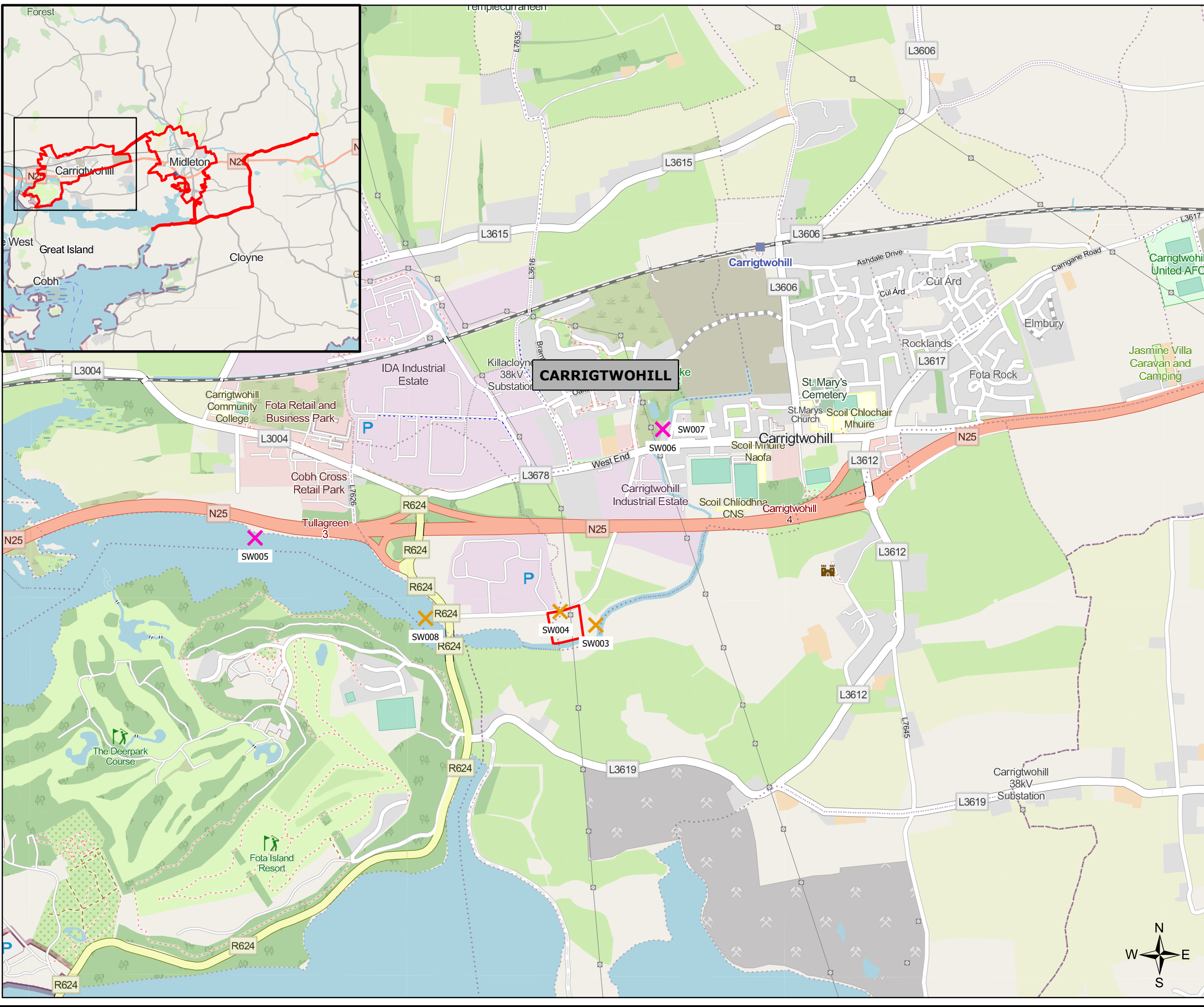
ATTACHMENT: **B.2.2**





ATTACHMENT B.2.2:

MAP 7 - LOCATION OF CARRIGTWOHILL OVERFLOWS



NOTES:

Legend

- CARRIGTWOHILL WASTE WATER TREATMENT PLANT SITE
- × SW00X - STORM WATER OVERFLOW
- × SW00X - DUAL FUNCTION OVERFLOW (STORM WATER OVERFLOW & EMERGENCY OVERFLOW)

Point	Easting	Northing
SW003	181276	72256
SW004	181133	72310
SW005	179911	72605
SW006	181544	73040
SW007	181544	73040
SW008	180594	72283

SIGNED: _____

PRINT NAME: _____

POSITION: _____

DATE: _____

FOR UISCE ÉIREANN

Rev	Date	Description	Drn	Chk	App

LICENCE APPLICATION

CLIENT: **Uisce Éireann**
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PROJECT: **MIDLETON WASTE WATER DISCHARGE LICENCE REVIEW APPLICATION**

TITLE: **MAP 7 LOCATION OF OVERFLOWS (CARRIGTWOHILL)**

SCALE: 1:14,000
 DRAWN: R. Clarke
 DATE: 13/06/2023

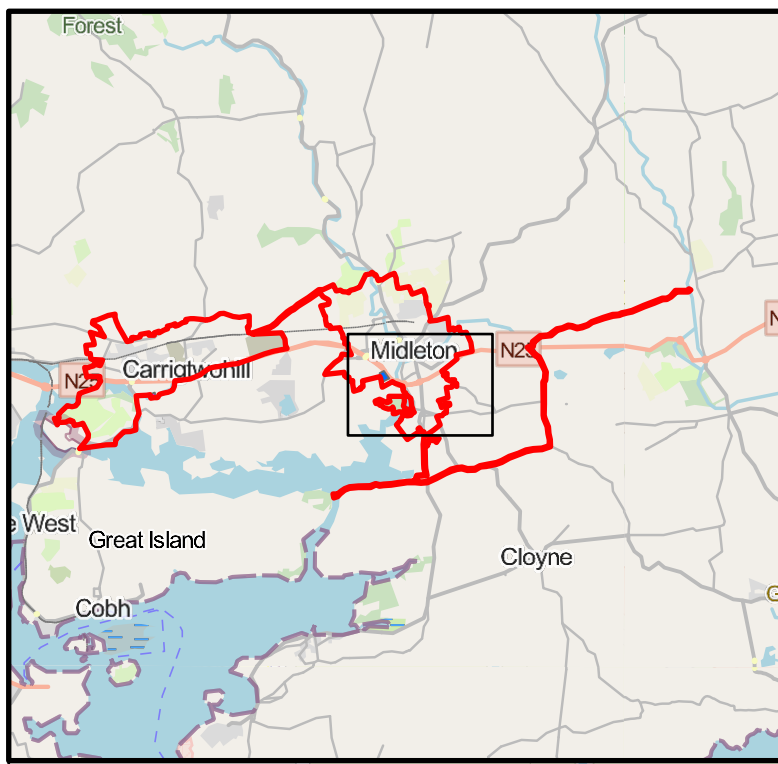
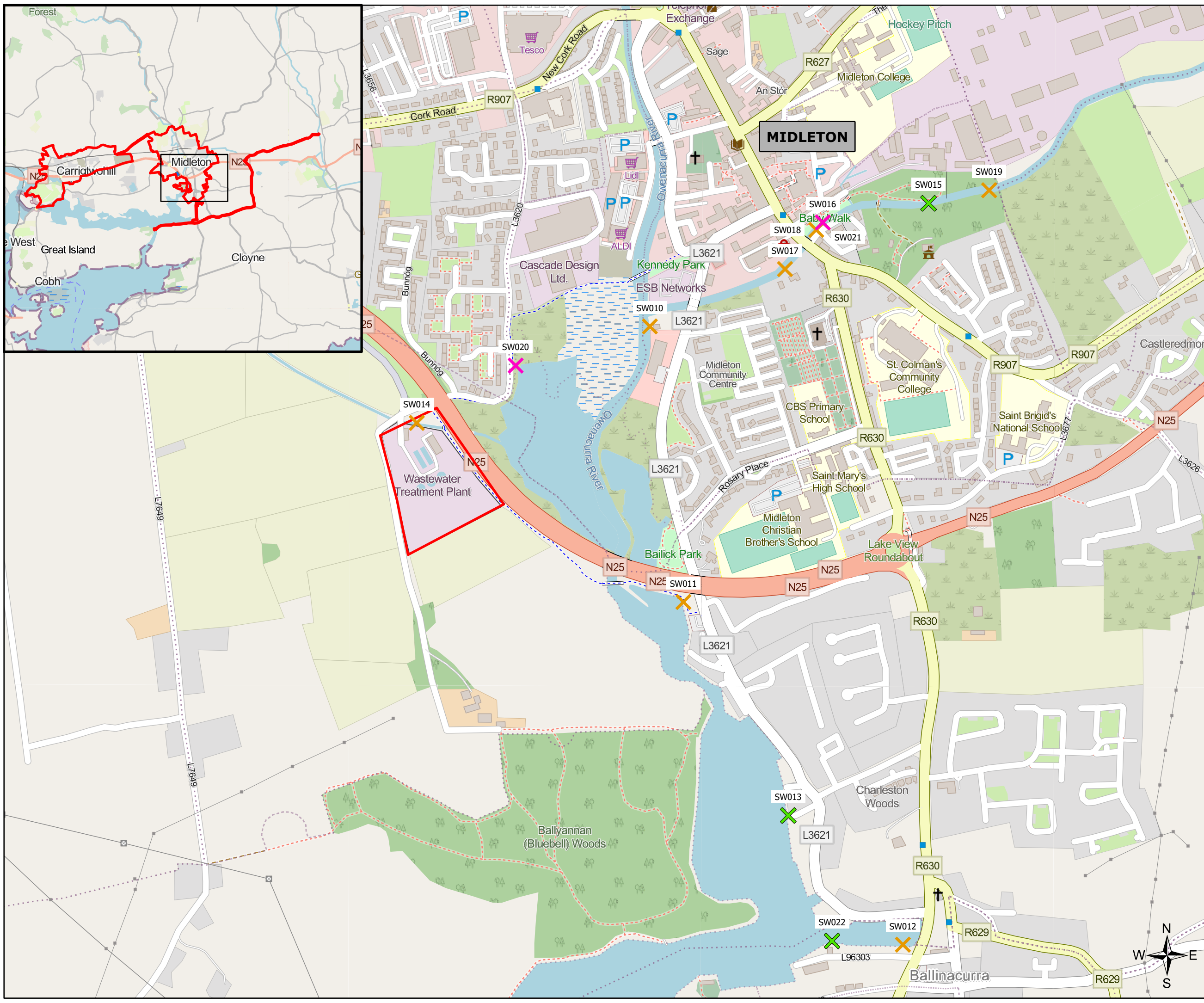
ATTACHMENT: **B.2.2**





ATTACHMENT B.2.2:

MAP 8 - LOCATION OF MIDLETON OVERFLOWS



NOTES:

Legend

- MIDDLETON WASTE WATER TREATMENT PLANT SITE
- X SW00X - EMERGENCY OVERFLOW
- X SW00X - STORM WATER OVERFLOW
- X SW00X - DUAL FUNCTION OVERFLOW (STORM WATER OVERFLOW & EMERGENCY OVERFLOW)

Point	Easting	Northing
SW010	187975	73109
SW011	188047	72518
SW012	188518	71783
SW013	188272	72060
SW014	187475	72902
SW015	188573	73373
SW016	188346	73332
SW017	188265	73232
SW018	188332	73316
SW019	188703	73401
SW020	187687	73025
SW021	188346	73332
SW022	188366	71791

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PRINT NAME: _____

POSITION: _____

DATE: _____

FOR UISCE ÉIREANN

Rev	Date	Description	Drn	Chk	App

LICENCE APPLICATION

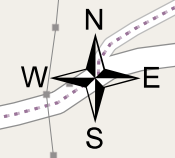
CLIENT: **UISCE ÉIREANN**
 Colvill House,
 24-26 Talbot Street,
 Dublin 1
 Tel. 1890 278 278 Web. www.water.ie

PROJECT: **MIDDLETON
 WASTE WATER DISCHARGE
 LICENCE REVIEW APPLICATION**

TITLE: **MAP 8
 LOCATION OF OVERFLOWS
 (MIDDLETON)**

SCALE: 1:7,500
 DRAWN: R. Clarke
 DATE: 13/06/2023

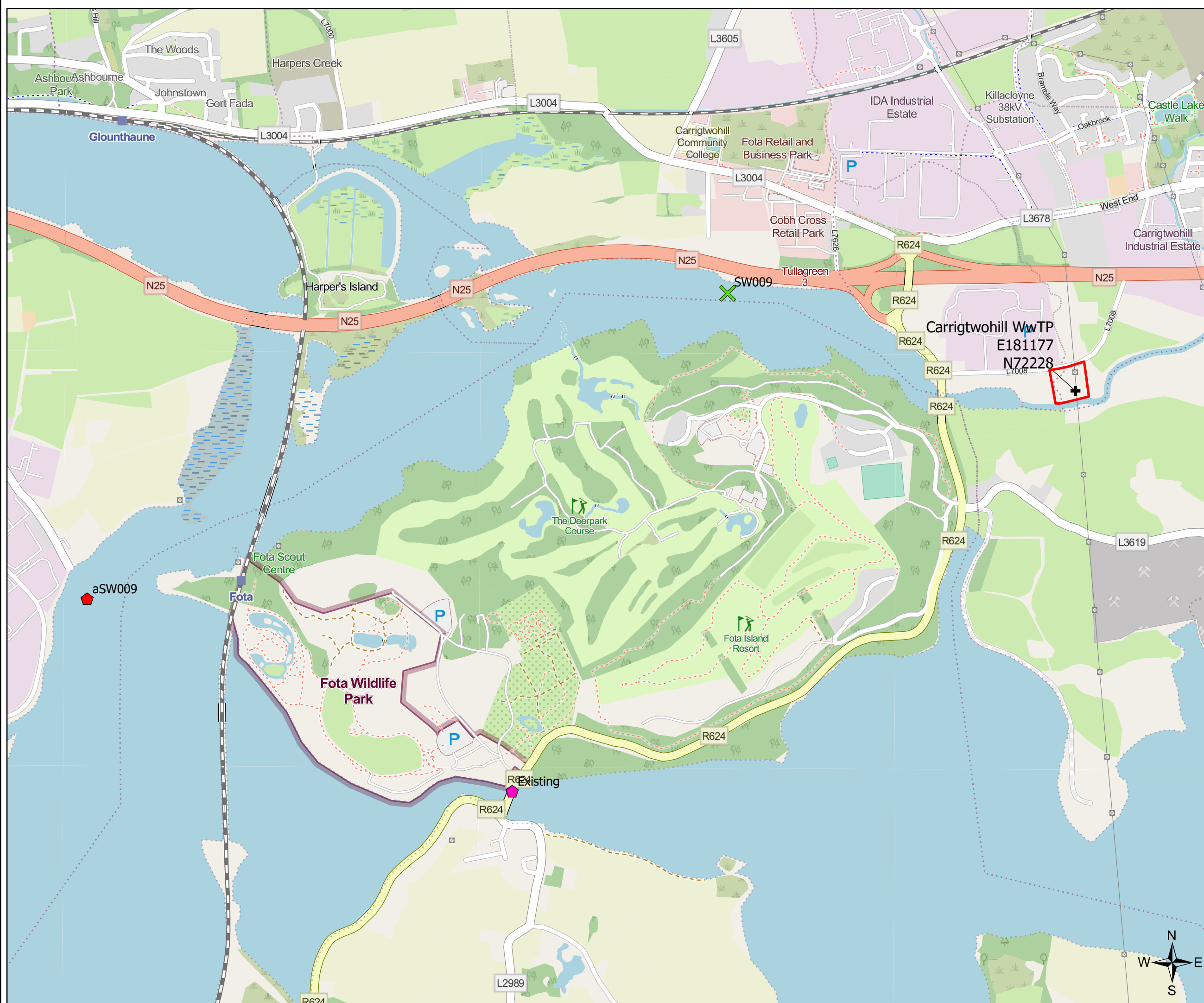
ATTACHMENT: **B.2.2**





ATTACHMENT B.2.2:

MAP 9 - LOCATION OF CARRIGTWHO HILL AMBIENT MONITORING LOCATION



NOTES:

Legend

- CARRIGWOHILL WASTE WATER TREATMENT PLANT SITE
- ◆ EXISTING AMBIENT MONITORING POINT
- ◆ aSW009 - PROPOSED AMBIENT MONITORING LOCATION
- ✕ SW009 - PRIMARY DISCHARGE POINT

Location	Easting	Northing
aSW009	177580	71473
Existing	179127	70773

SIGNED: _____

PRINT NAME: _____

POSITION: _____

DATE: _____

FOR UISCE ÉIREANN

Rev	Date	Description	Drn	Chk	App

LICENCE APPLICATION

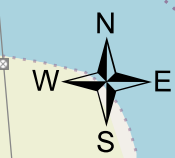
CLIENT: **UISCE ÉIREANN**
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 Dublin 1
 Tel. 1890 278 278 Web. www.water.ie

PROJECT: **MIDLETON
 WASTE WATER DISCHARGE
 LICENCE REVIEW APPLICATION**

TITLE: **MAP 9
 LOCATION OF AMBIENT MONITORING
 POINT D/S OF PRIMARY DISCHARGE POINT**

SCALE: 1:12,750 DRAWN: R. Clarke
 DATE: 13/06/2023

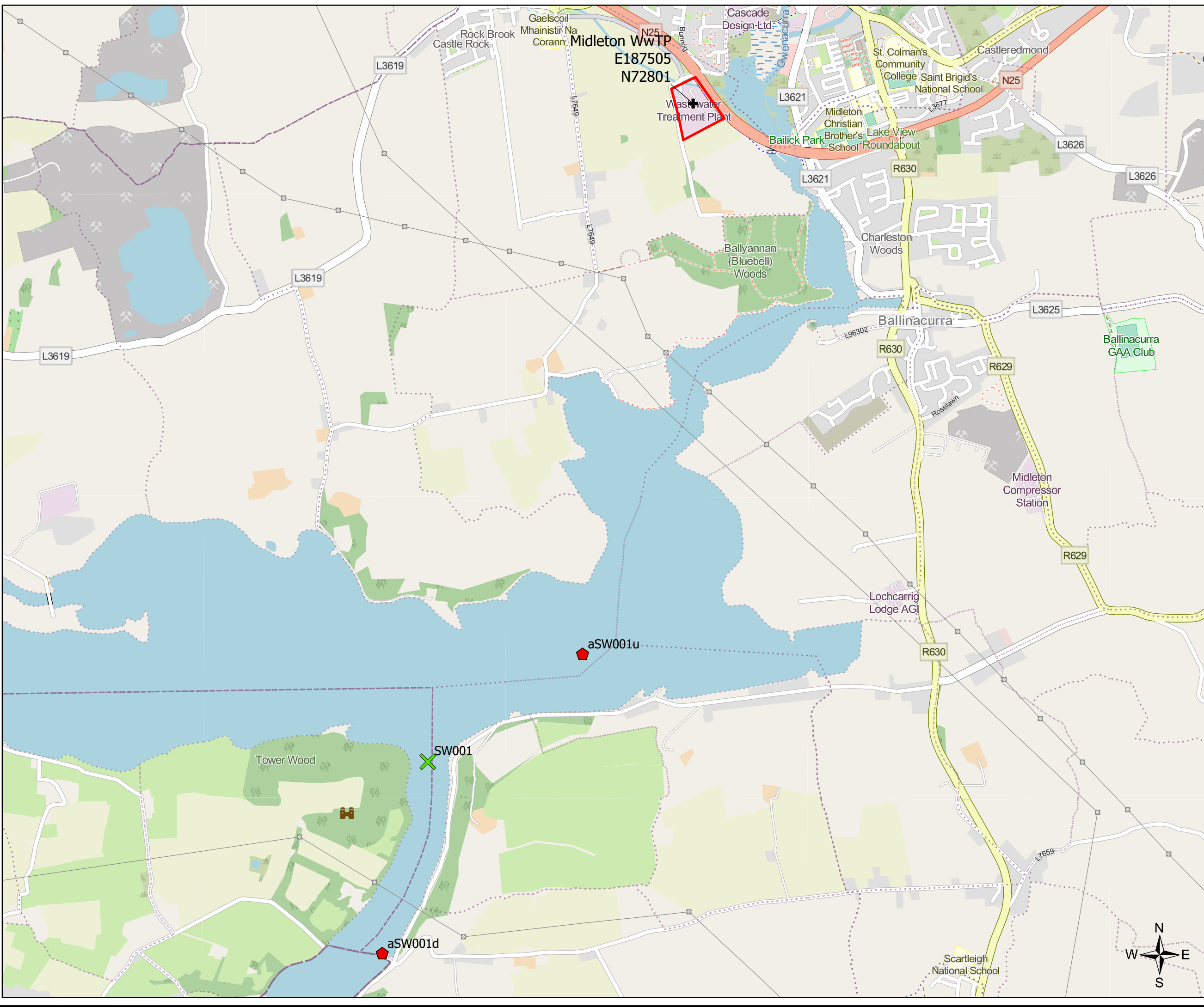
ATTACHMENT: **B.2.2**





ATTACHMENT B.2.2:

MAP 10 - LOCATION OF MIDLETON AMBIENT MONITORING LOCATIONS



NOTES:

Legend

- MIDLETON WASTE WATER TREATMENT PLANT SITE
- ◆ aSW001x - SECONDARY DISCHARGE AMBIENT MONITORING LOCATIONS
- ✕ SW001 - SECONDARY DISCHARGE POINT

Location	Easting	Northing
aSW001u	186952	70048
aSW001d	185949	68549

SIGNED: _____

PRINT NAME: _____

POSITION: _____

DATE: _____

FOR UISCE ÉIREANN

Rev	Date	Description	Drn	Chk	App

LICENCE APPLICATION

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PROJECT: **MIDLETON WASTE WATER DISCHARGE LICENCE REVIEW APPLICATION**

TITLE: **MAP 10 LOCATION OF AMBIENT MONITORING POINTS U/S AND D/S OF SECONDARY DISCHARGE POINT**

SCALE: 1:17,500 DRAWN: R. Clarke
 DATE: 13/06/2023

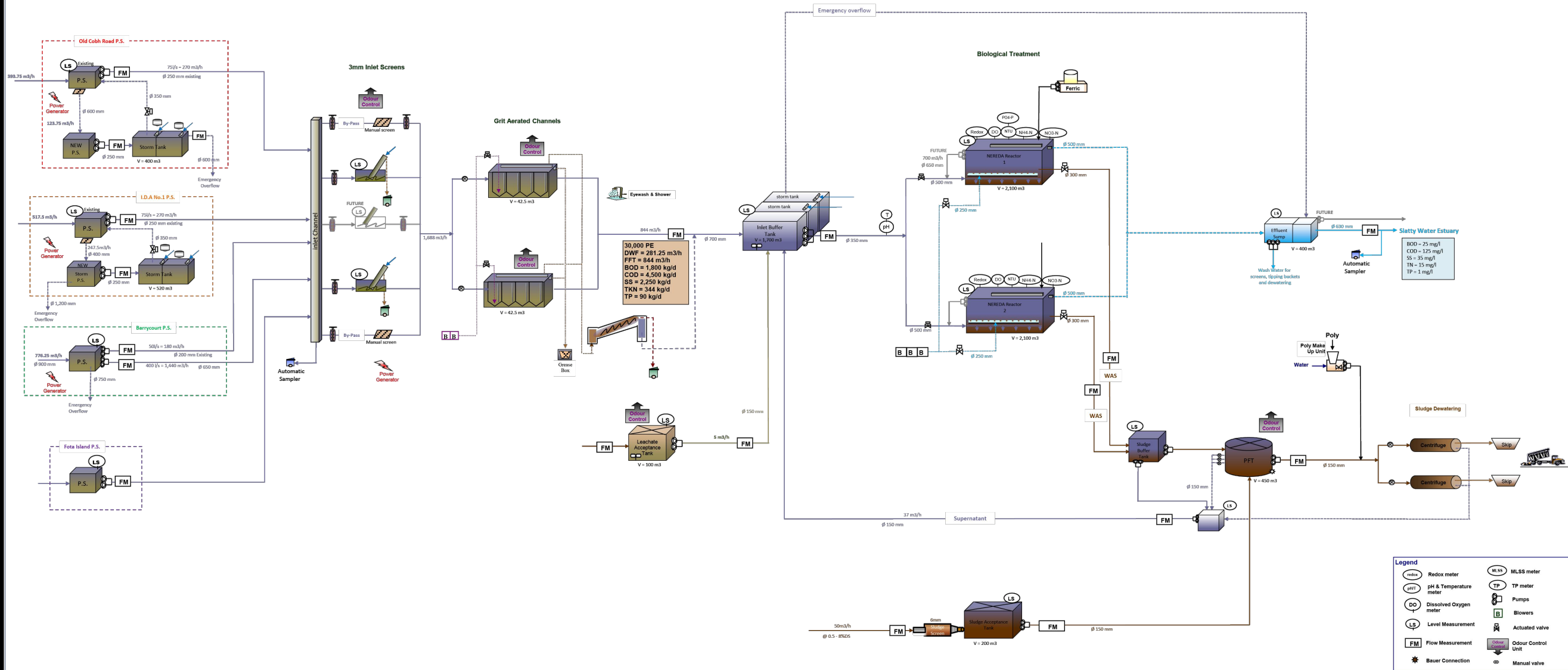
ATTACHMENT: **B.2.2**





ATTACHMENT B.2.3A:

**CARRIGTWOHILL WASTE WATER PROCESS
FLOW DIAGRAM**



REV	DATE	DESCRIPTION	D	C	A
-----	------	-------------	---	---	---

DISCHARGE LICENCE



PROJECT
**MIDDLETON
 WASTEWATER DISCHARGE
 LICENCE REVIEW APPLICATION**

TITLE
**CARRIGTWOHILL
 WASTE WATER
 PROCESS FLOW DIAGRAM**

SCALES
 N.T.S.

DRAWN
 R.ENRIQUE

DATE
 12.05.2023

CAD REFERENCE
 20893-NOD-WWDL-12

ATTACHMENT
B.2.3

REV
 -

SIGNED : _____

PRINT NAME : _____

POSITION : _____

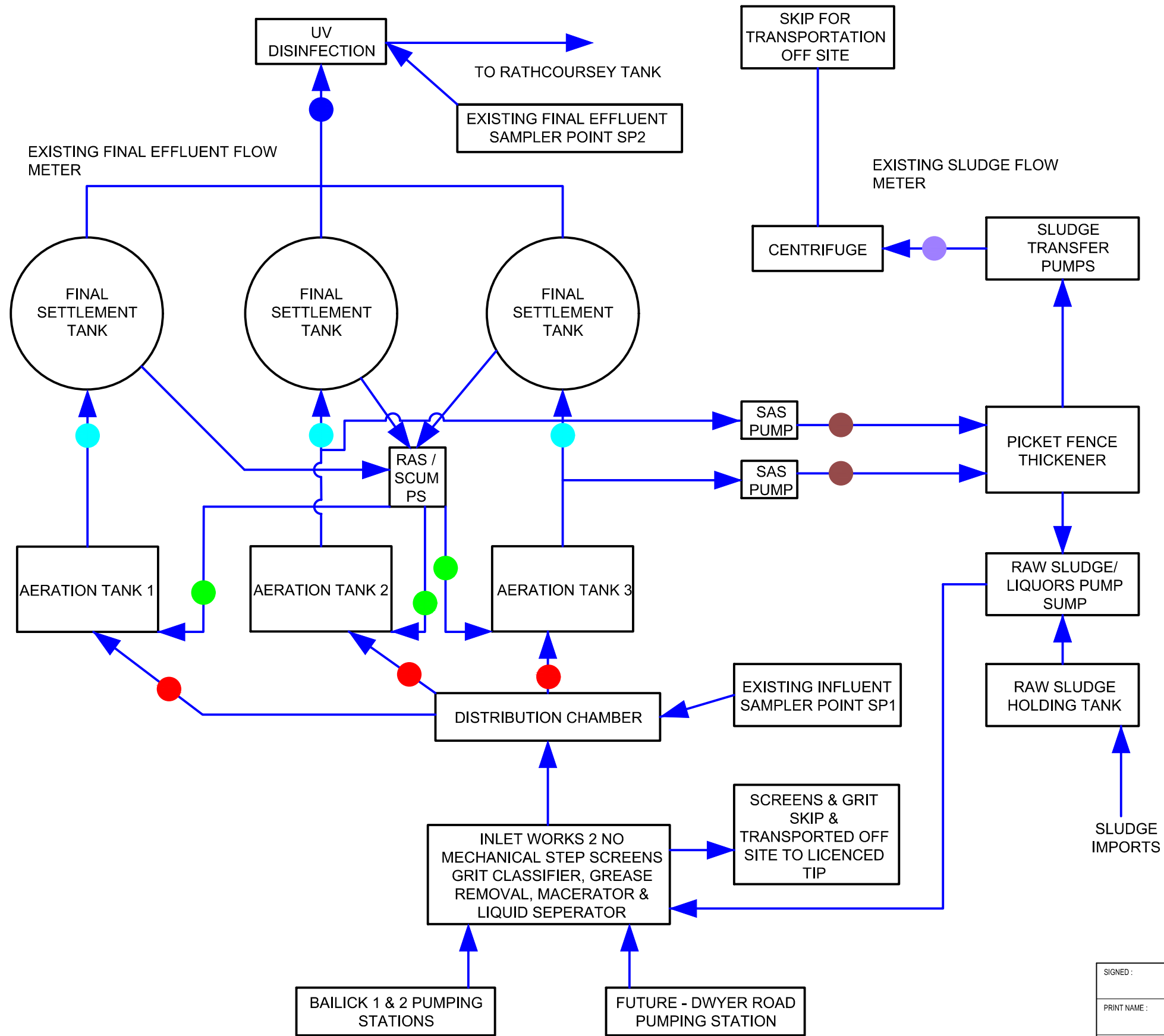
DATE : _____

FOR UISCE ÉIREANN



ATTACHMENT B.2.3B:

**MIDLETON WASTE WATER PROCESS FLOW
DIAGRAM**



- NOTES
- EXISTING FINAL EFFLUENT FLOW METER POINT
 - EXISTING FLOW METERS MEASURING FLOW TO SETTLEMENT TANKS
 - EXISTING FLOW METERS RAS/SCUM RETURN TO AERATION LANES
 - EXISTING FLOW METERS FLOW TO AERATION LANES
 - EXISTING FLOW METERS MEASURING SAS TO PICKET FENCE THICKENER
 - EXISTING FLOW METER MEASURING FLOW INTO CENTRIFUGE
 - INLET SAMPLE POINT SP1 - OUTLET SAMPLE POINT SP2

REV.	DATE	DESCRIPTION	D	C	A

DISCHARGE LICENCE

CLIENT:

PROJECT: **MIDDLETON WASTEWATER DISCHARGE LICENCE REVIEW APPLICATION**

TITLE: **WASTE WATER PROCESS FLOW DIAGRAM**

SCALES: N.T.S.	DRAWN: S. AMIN
CAD REFERENCE: 20893-NOD-WWDL-06	DATE: 23.02.2023
ATTACHMENT: B.2.3	REV: -

SIGNED: _____

PRINT NAME: _____

POSITION: _____

DATE: _____

FOR UISCE ÉIREANN