NORTH SIGN TO BE CLEARLY SHOWN ON DWG

SOP01

B 011

SECURITY FENCING.

300

SETOUT COORDINATES (TO IRISH NATIONAL GRID) REQUIRED TO DEFINE SITE BOUNDARY LOCATION

SOP02

XXX

XXX

SETOUT DIMENSIONS REQUIRED TO DEFINE EACH ELEMENT LOCATION

ADDITIONAL ACCESS LOCATION DEPENDING ON SIZE OF STORAGE TANK

ADDITIONAL ACCESS LOCATION DEPENDING ON SIZE OF STORAGE TANK

BALANCE STORAGE TANK

STORAGE TANK CAPACITY CLEARLY SHOWN ON DWG

XX,XXX LITRE CONCRETE STORAGE TANK

FALL

FALL

FALL

XXXX x XXXX MIN. CLEAR OPE ACCESS

SOP09

ACCESS OPENING SIZES AND COORDINATES TO BE CLEARLY SHOWN ON DWG

CONTROL KIOSK REFER TO STD-WW-30A

CONTROL AND TELEMETRY KIOSK

ESB MINI PILLAR

ELECTRICAL POWER SUPPLY CABLE DUCT

LOCAL TAILORING OF SECURITY FENCING REQUIRED TO ACCOMMODATE ACCESS TO ESB MINI PILLAR FROM BOTH SIDES.

25mm (O.D.) PE PIPE WATER SERVICE CONNECTION

WET KIOSK/BOUNDARY BOX REFER TO STD-WW-31A

WET KIOSK

BOUNDARY BOX

15.0m Min.

TO ADJACENT PROPERTY BOUNDARY

1 No. 100mmØ ULTRASONIC LEVEL SENSOR AND FLOAT SWITCH CABLES DUCT (PUMP STATION)
2 No. 100mmØ PUMP UNIT CABLE DUCTS (PUMP STATION)
1 No. 50mmØ EARTH CABLE DUCT
1 No. 100mmØ SENSOR CABLE DUCT (FLOW METER)

300

ALL ELECTRICAL DUCTING SIZES, LOCATION, AND MATERIAL TO BE CLEARLY SHOWN ON DWG

IMPERMEABLE HARD STANDING AREA FOR TANKER ACCESS REFER TO STD-WW-32

SITE MATERIAL BUILD-UP TO BE CLEARLY STATED ON DWG

VENT STACK

XXXmmØ, MATERIAL, CLASSIFICATION

D.I. BYPASS TO EMERGENCY OVERFLOW TANK.

EMERGENCY OVERFLOW / RETURN PIPE

KNIFE GATE VALVE

ACCESS OPE

VENT STACK. REFER TO STD-WW-34

BAFFLE PLATE

DRAIN PIPE FROM VALVE CHAMBER

ACCESS OPE

ACCESS LOCATION

BAUER FITTING

ACCESS OPE

DISMANTLING JOINT

DI FLANGED TAPER (IF REQUIRED)

THRUST BLOCK REFER TO STD-WW-14

XXXmmØ, MATERIAL, CLASSIFICATION, DATE OF INSTALLATION

D.I. PIPEWORK

BAFFLE PLATE

SOP05

XXXØ

SOP06

XXXØ

SUMP

SOP07

SOP08

XXXmmØ, MATERIAL, CLASSIFICATION, DATE OF INSTALLATION

A 011

INLET GRAVITY SEWER

XXXmmØ, MATERIAL, CLASSIFICATION.

KNIFE GATE VALVE

ACCESS OPE

ALL PIPE SIZES, MATERIAL AND CLASSIFICATION TO BE CLEARLY SHOWN ON DWG

GATE VALVE OPERATED FROM SURFACE BOX

TRUST BLOCK

SUMP

DRAIN PIPE FROM FLOW METER CHAMBER

FLOW METER

SLUICE VALVE

THRUST FLANGE

OUTLET RISING MAIN

A 011

XXX

XXX

XXX

XXX

XXX

XXX

XXX

INLET MANHOLE

WET WELL PUMPING STATION

VALVE CHAMBER

FLOW METER CHAMBER

SETOUT DIMENSIONS REQUIRED TO DEFINE EACH ELEMENT LOCATION

300

MINIMUM ELEMENTS REQUIRED INSIDE SITE BOUNDARY:

- WET KIOSK
- VENT STACK
- CONTROL AND TELEMETRY KIOSK
- INLET MANHOLE
- WET WELL PUMPING STATION
- BALANCE STORAGE TANK
- VALVE CHAMBER
- FLOW METER CHAMBER

4000 BETWEEN POSTS

TANKER ACCESS IMPERMEABLE HARD STANDING

ACCESS GATE AND SECURITY FENCING AS PER UISCE ÉIREANN WASTEWATER INFRASTRUCTURE CODE OF PRACTICE PART 5 (FOR PUMPING STATIONS) AND UISCE ÉIREANN WASTEWATER INFRASTRUCTURE STANDARD DETAILS TO ME INDICATED ON LAYOUT.

SECURITY GATE AND FENCING TO BE INSTALLED 300mm IN FROM EDGE OF HARD STANDING AREA TO ACCOMMODATE MAINTENANCE.

15000 (MIN. LENGTH REQUIRED IS DICTATED BY ACCESS VEHICLE LENGTH)

SOP04

LOCAL ACCESS ROAD TO COMPLY WITH LOCAL AUTHORITY DESIGN GUIDLINES

B 011

ACCESS ROAD (IF REQUIRED) TO BE CLEARLY SETOUT WITH DIMENSIONS AND MATERIALS DEFINED AS PER IRISH WATER WASTEWATER INFRASTRUCTURE CODE OF PRACTICE PART 5 (FOR PUMPING STATIONS) AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS.

ALL DRAWING NUMBERS AND REVISIONS TO BE CLEARLY STATED.

1:25 PUMPING STATION SITE LAYOUT PLAN

0 250 500 750 1000 1250 mm

SCALE 1:25

LAYOUT / VIEW TITLES TO BE CLEARLY STATED ON DRAWING.

Ordnance Survey Ireland
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NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM MALIN HEAD AND ALL COORDINATES ARE TO THE IRISH NATIONAL GRID SYSTEM.
3. WHERE UNITS ARE PRECAST CONCRETE THEY SHALL CONFORM TO IS EN 1917 AND IS 420. JOINTS BETWEEN THE UNITS SHALL PROVIDE EQUIVALENT WATER-RESISTANCE AS REQUIRED IN IS EN 1992 - PART 3.
4. WHERE UNITS ARE INSITU CONCRETE THEY SHALL CONFORM WITH EN 1992 - PART 3 AND REINFORCEMENT STEEL SHALL BE HIGH YIELD IN ACCORDANCE WITH BS EN 4449.
5. ALL DUCTILE IRON PIPEWORK AND VALVES SHALL COMPLY WITH IS EN 598, SUITABLE FOR USE WITH SEWAGE, WITH PN-16 FLANGES TO BS EN 1092-1.
6. ALL BAFFLE PLATES TO BE STAINLESS STEEL.
7. ALL ELEMENTS ON THIS DWG ASSOCIATED WITH THE PUMPING STATION SITE LAYOUT COMPLY WITH PART 5 OF THE IW CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURES.
8. SECURITY GATE AND FENCE MAY BE REQUIRED (REF: STD-WW-25 AND STD-WW-25A) SUBJECT TO AGREEMENT WITH IRISH WATER.

LEGEND AND NOTES TO BE PROVIDED ON DRAWING

LEGEND:

- 25mm (O.D.) PE PIPE WATER SERVICE CONNECTION
- ELECTRICAL DUCT
- GRAVITY/RISING MAIN FOUL SEWER PIPE
- COVER / ACCESS OPENING
- KIOSK

SETTING OUT COORDINATES:

POINT:	X:	Y:
SOP01	XXXXXX	XXXXXX
SOP02	XXXXXX	XXXXXX
SOP03	XXXXXX	XXXXXX
SOP04	XXXXXX	XXXXXX
SOP05	XXXXXX	XXXXXX
SOP06	XXXXXX	XXXXXX
SOP07	XXXXXX	XXXXXX
SOP08	XXXXXX	XXXXXX
SOP09	XXXXXX	XXXXXX

SAMPLE DRAWING

CDS TRACKER NUMBER TO BE CLEARLY STATED ON DRAWING.

CDS-1900xxxxxx

DRAWING TO BE REVISED TO "AS-BUILT" STATUS

REV.	DATE	DESCRIPTION	BY	CHKD	APPR
AB1	MAR 2025	AS-BUILT RECORD DRAWING	RH	-	-

Uisce Éireann Irish Water

Development

DEVELOPMENT TITLE TO BE CLEARLY STATED.

Developer / Consultant

NAME AND ADDRESS OF DEVELOPER AND/OR CONSULTANT TO BE CLEARLY SHOWN.

Title

PUMPING STATION SITE LAYOUT PLAN SERVING GREATER THAN 100 UNITS

DRAWING TITLE TO BE CLEARLY STATED.

Drawn	PD	Scale	As SHOWN
Chkd.	RH	Date	MAR 2025
Apprd.	M McG	Status	AS-BUILT

Drawing Number	Rev.
010-IW-SA-PS	AB1