

Appendix 2-1 – A3 version of Planning Drawings



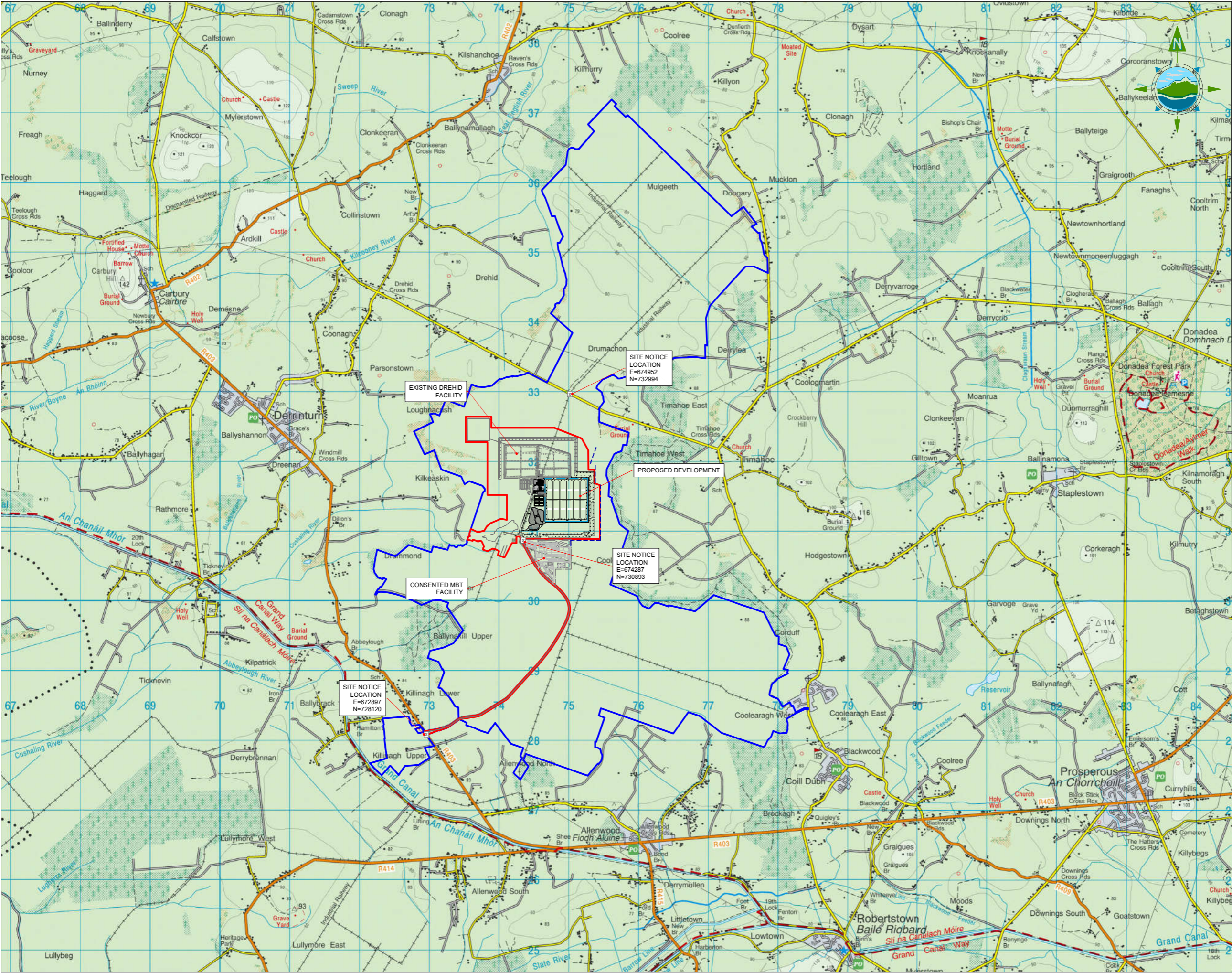
Bord na Móna

DREHID WASTE MANAGEMENT FACILITY
FURTHER DEVELOPMENT

PLANNING APPLICATION DRAWINGS

JUNE 2023

DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT PLANNING APPLICATION DRAWINGS					
DRAWING NO.	DRAWING TITLE		DRAWING NO.	DRAWING TITLE	
11290-2000	REGIONAL SITE LOCATION MAP		11290-2045	PROPOSED ROADS KEY PLAN	
11290-2001	SITE LOCATION MAP - Sheet 1 of 2		11290-2046	PROPOSED WASTE TRAFFIC LAY BY & NEW SITE EGRESS LANE	
11290-2002	SITE LOCATION MAP - Sheet 2 of 2		11290-2047	SIGNAGE AND ROAD MARKINGS	
11290-2003	SITE LAY OUT PLAN		11290-2048	FOUL PUMP STATION DETAILS	
11290-2004	EXISTING SITE TOPOGRAPHY		11290-2049	SURFACE WATER PUMP STATION DETAILS	
11290-2005	SITE DRAINAGE LAY OUT		11290-2050	ATTENUATION LAGOONS PLAN AND SECTION	
11290-2006	SITE FENCING LAY OUT		11290-2051	CARPARK AND ROAD CONSTRUCTION DETAILS	
			11290-2054	TRENCH BEDDING AND SWALE DETAILS	
11290-2010	FACILITY MASTER PLAN		11290-2057	FENCING DETAILS	
11290-2011	LANDFILL PHASING PLAN		11290-2058	PROPOSED PIPE CONTROL DAM DETAILS	
11290-2012	LEACHATE COLLECTION SYSTEMS		11290-2059	PRIMARY TREATMENT TANK AND OIL INTERCEPTOR DETAILS	
11290-2013	LANDFILL GAS & LEACHATE RECIRCULATION LAY OUT		11290-2060	EMBANKMENT & LINER DETAILS	
11290-2014	SURFACE WATER AND FOUL DRAINAGE MASTER PLAN		11290-2061	GROUNDWATER PUMP STATION - DETAILS	
11290-2015	UTILITIES MASTER PLAN		11290-2062	LEACHATE HEADWALL - DETAILS	
11290-2016	DRAINAGE AND UTILITIES LAY OUT PLAN 1 of 9		11290-2063	LANDFILL GAS MANAGEMENT & CAPPING DETAILS	
11290-2017	DRAINAGE AND UTILITIES LAY OUT PLAN 2 of 9		11290-2064	INTEGRATED CONSTRUCTED WETLANDS - DETAILS	
11290-2018	DRAINAGE AND UTILITIES LAY OUT PLAN 3 of 9				
11290-2019	DRAINAGE AND UTILITIES LAY OUT PLAN 4 of 9		11290-2070	LANDFILL CAP FINAL RESTORATION LEVELS	
11290-2020	DRAINAGE AND UTILITIES LAY OUT PLAN 5 of 9		11290-2071	LANDSCAPE PLAN	
11290-2021	DRAINAGE AND UTILITIES LAY OUT PLAN 6 of 9				
11290-2022	DRAINAGE AND UTILITIES LAY OUT PLAN 7 of 9		11290-2080	STRUCTURES GENERAL ARRANGEMENT	
11290-2023	DRAINAGE AND UTILITIES LAY OUT PLAN 8 of 9		11290-2081	MSW PROCESSING & COMPOSTING BUILDING, NEW BIOFILTERS & PLANT CONTROL ROOM - PLAN	
11290-2024	DRAINAGE AND UTILITIES LAY OUT PLAN 9 of 9		11290-2082	MSW PROCESSING & COMPOSTING BUILDING, NEW BIOFILTERS & PLANT CONTROL ROOM - ELEVATIONS & SECTION	
11290-2028	UNDERCELL DRAINAGE SYSTEMS		11290-2083	MSW PROCESSING & COMPOSTING BUILDING, NEW BIOFILTERS & PLANT CONTROL ROOM - ELEVATIONS	
			11290-2085	SOIL & STONES AND C&D WASTE (Rubble) PROCESSING BUILDING & FUEL STORAGE AREA - PLAN, ELEVATIONS & SECTION	
11290-2030	CELL LAYOUT				
11290-2031	PROPOSED LANDFILL - LONGITUDINAL SECTIONS		11290-2096	MAINTENANCE BUILDING PLAN	
11290-2032	PROPOSED LANDFILL - CROSS SECTIONS		11290-2097	MAINTENANCE BUILDING SECTION AND ELEVATIONS	



GENERAL LEGEND

BORD NA MÓNA OWNERSHIP BOUNDARY

SITE NOTICE LOCATION

APPLICATION BOUNDARY

NOTES:

- FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
- ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
- ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES.
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500m 0m 500m 1.0km 1.5km

Rev	Date	Description	By	Chkd.
A	26.04.23	PLANNING ISSUE	MN	RH

Client:
Bord na Móna

Project:
DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:
REGIONAL SITE LOCATION MAP

Scale @ A1: **1:25,000**

Prepared by: **M. Nolan** Checked: **R. Hunt** Date: **November 22**

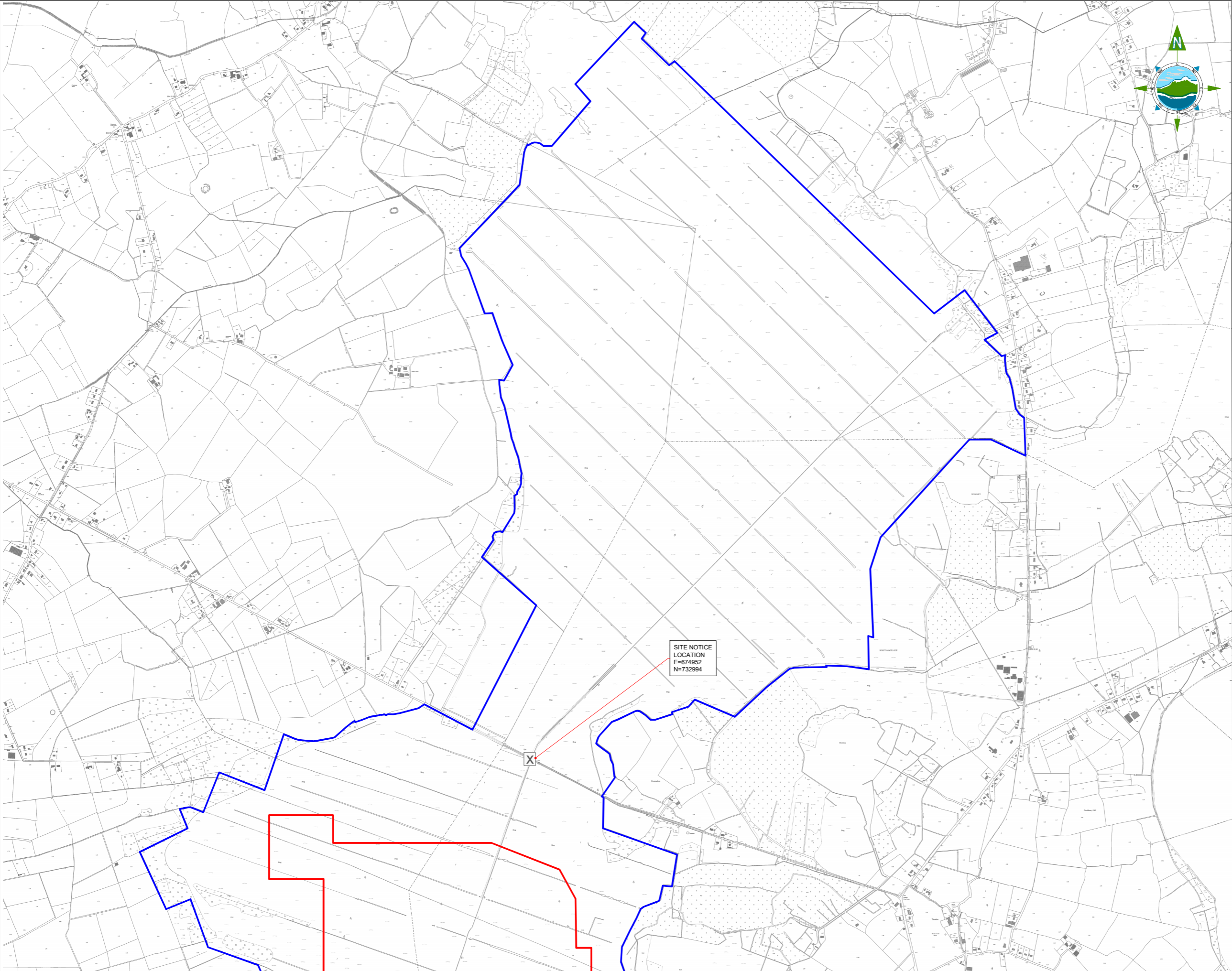
Project Director: **S. Tinnelly**

Drawing Status: **Planning**

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Drawing No.: **11290-2000** Revision: **A**



GENERAL LEGEND
BORD NA MÓNA
OWNERSHIP BOUNDARY
APPLICATION
BOUNDARY

SITE NOTICE
LOCATION

KEY PLAN

NOTES:
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Co. Kildare
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200m 0m 200m 400m 600m

A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:
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Project:
DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

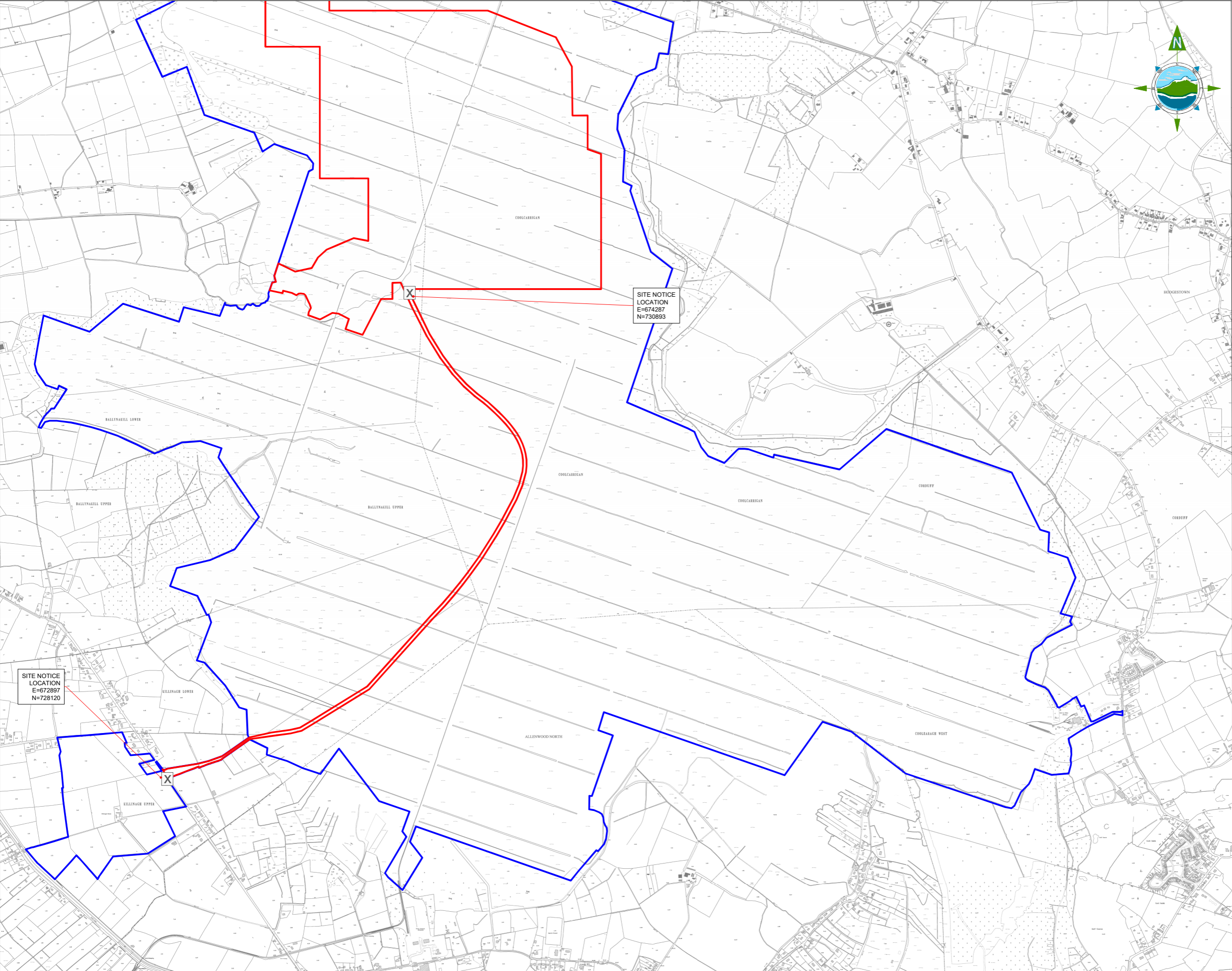
Title:
SITE LOCATION MAP
- Sheet 1 of 2 -

Scale @ A1: 1:10,000
Prepared by: M. Nolan
Checked: R. Hunt
Date: November 22
Project Director: S. Tinnelly
Drawing Status: Planning

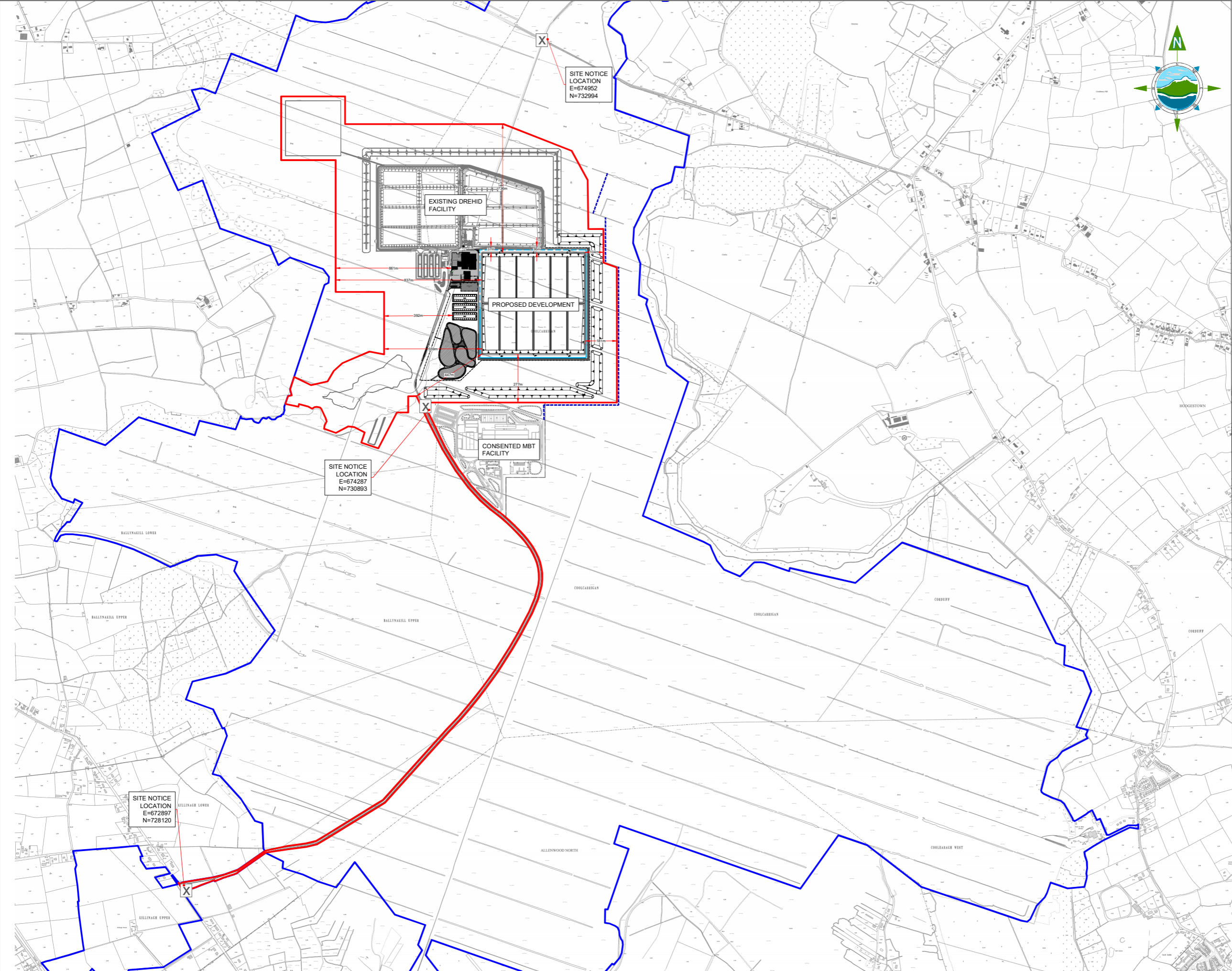
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Drawing No.: 11290-2001
Revision: A



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OWNERSHIP BOUNDARY
APPLICATION
BOUNDARY
SITE NOTICE
LOCATION
KEY PLAN
NOTES:
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200m 0m 200m 400m 600m
A 26.04.23 PLANNING ISSUE MN RH
Rev Date Description By Chkd.
Client:
Bord na Móna
Project:
DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT
Title:
SITE LOCATION MAP
- Sheet 2 of 2 -
Scale @ A1: 1:10,000
Prepared by: M. Nolan
Checked by: R. Hunt
Project Director: S. Tinnelly
Drawing Status: Planning
Scale as agreed with An Bord
Pleanála ref: 312446-22
Date: 09/03/23
Date: November 22
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Drawing No.: 11290-2002
Revision: A



GENERAL LEGEND
BORD NA MÓNA
OWNERSHIP BOUNDARY
SITE NOTICE
LOCATION

**APPLICATION
BOUNDARY**

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200m0m200m400m600m

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Rev	Date	Description	By	Chkd.

Client:
Bord na Móna

Project:
DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

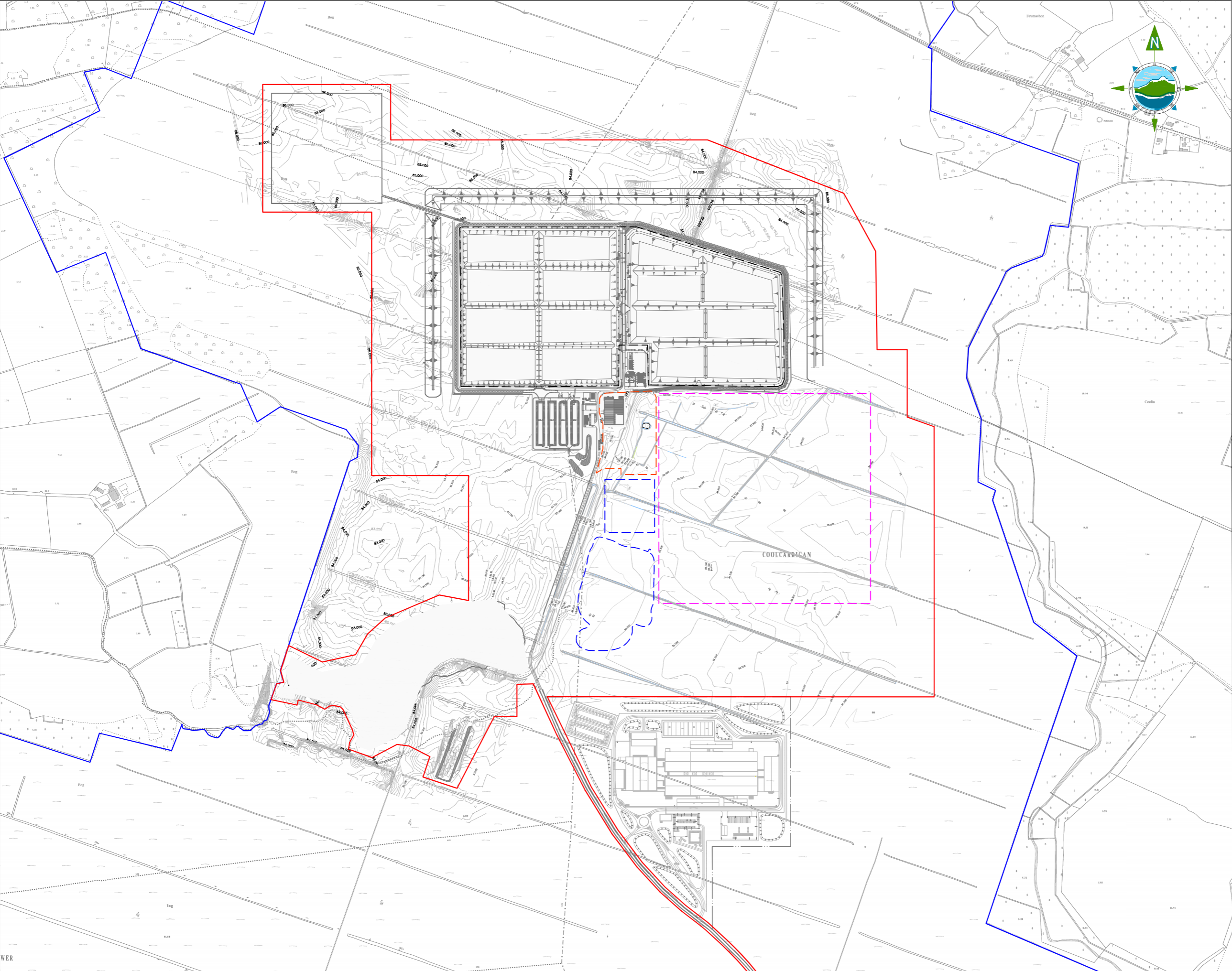
Title:
SITE LAYOUT PLAN

Scale @ A1: 1:10,000
Prepared by: M. Nolan
Checked: R. Hunt
Date: November 22

Project Director: S. Tinnelly
Drawing Status: Planning

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Drawing No.: 11290-2003
Revision: A



GENERAL LEGEND

BORD NA MÓNA OWNERSHIP BOUNDARY

EXISTING PERMITTED LANDFILL FOOTPRINT

PROPOSED BUILDINGS / WORKS FOOTPRINT

EXISTING MAJOR CONTOUR

EXISTING MINOR CONTOUR

APPLICATION BOUNDARY

PROPOSED LANDFILL FOOTPRINT

PROPOSED SURFACE WATER LAGOONS & WETLAND FOOTPRINT

84,250

84,000

- NOTES:**
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100m

0

100m

200m

300m

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Rev	Date	Description	By	Chkd.	

Client:

Bord na Móna

Project:

DREHID WASTE MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:

EXISTING
SITE TOPOGRAPHY

Scale @ A1:

1:5,000

Prepared by:

M. Nolan

Checked:

R. Hunt

Date:

November 22

Project Director:

S. Tinnelly

Drawing Status:

Planning

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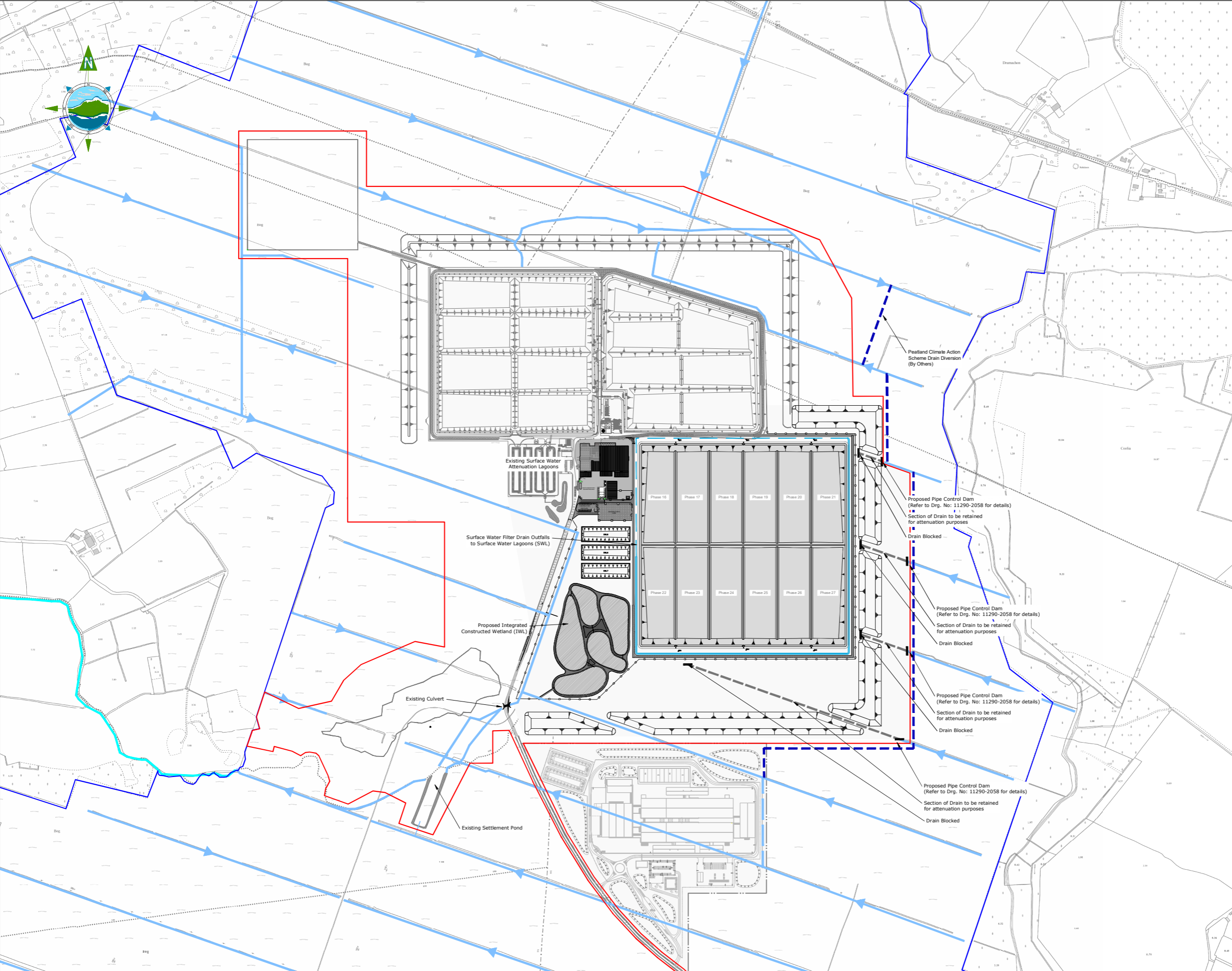
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Drawing No.:

11290-2004

Revision:

A



GENERAL LEGEND

BORD NA MÓNA OWNERSHIP BOUNDARY

EXISTING LAND DRAINS

PEATLAND CLIMATE ACTION SCHEME DRAIN DIVERSION

APPLICATION BOUNDARY

CLOSED DRAIN FOR ATTENUATION

- NOTES:**
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100m 0 100m 200m 300m

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Rev	Date	Description	By	Chkd.	

Client:

Bord na Móna

Project:

DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:

SITE DRAINAGE LAYOUT

Scale @ A1:

1:5,000

Prepared by:

M. Nolan

Checked:

R. Hunt

Date:

November 22

Project Director:

S. Tinnelly

Drawing Status:

Planning

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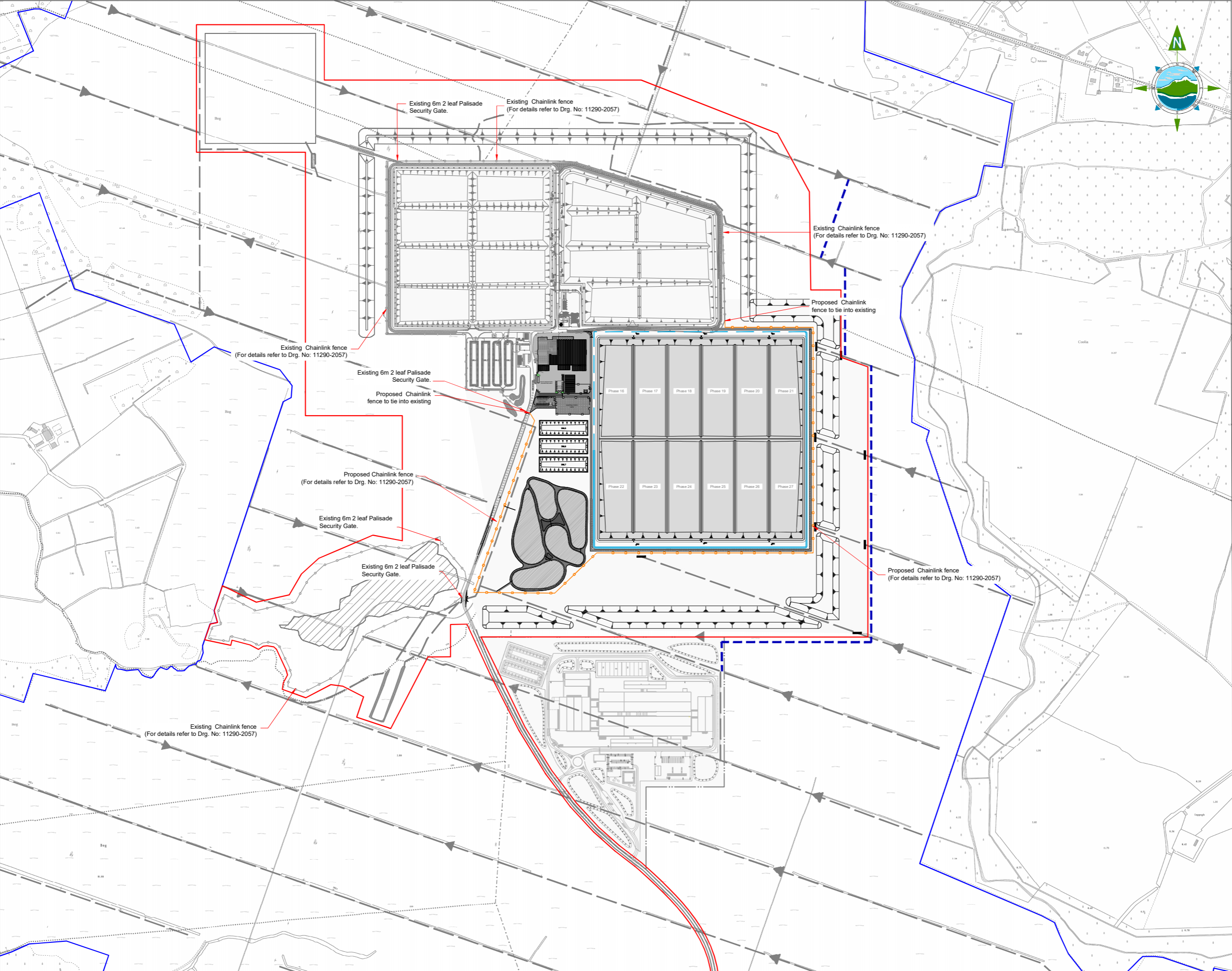
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Drawing No.:

11290-2005

Revision:

A



GENERAL LEGEND

BORD NA MONA OWNERSHIP BOUNDARY

EXISTING CHAINLINK FENCE

BORROW AREAS
(Clay & sand & gravel)

APPLICATION BOUNDARY

PROPOSED CHAINLINK FENCE

- NOTES:**
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100m 0 100m 200m 300m

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Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:

SITE FENCING LAYOUT

Scale @ A1:

1:5,000

Prepared by:

M. Nolan

Checked:

R. Hunt

Date:

November 22

Project Director:

S. Tinnelly

Drawing Status:

Planning

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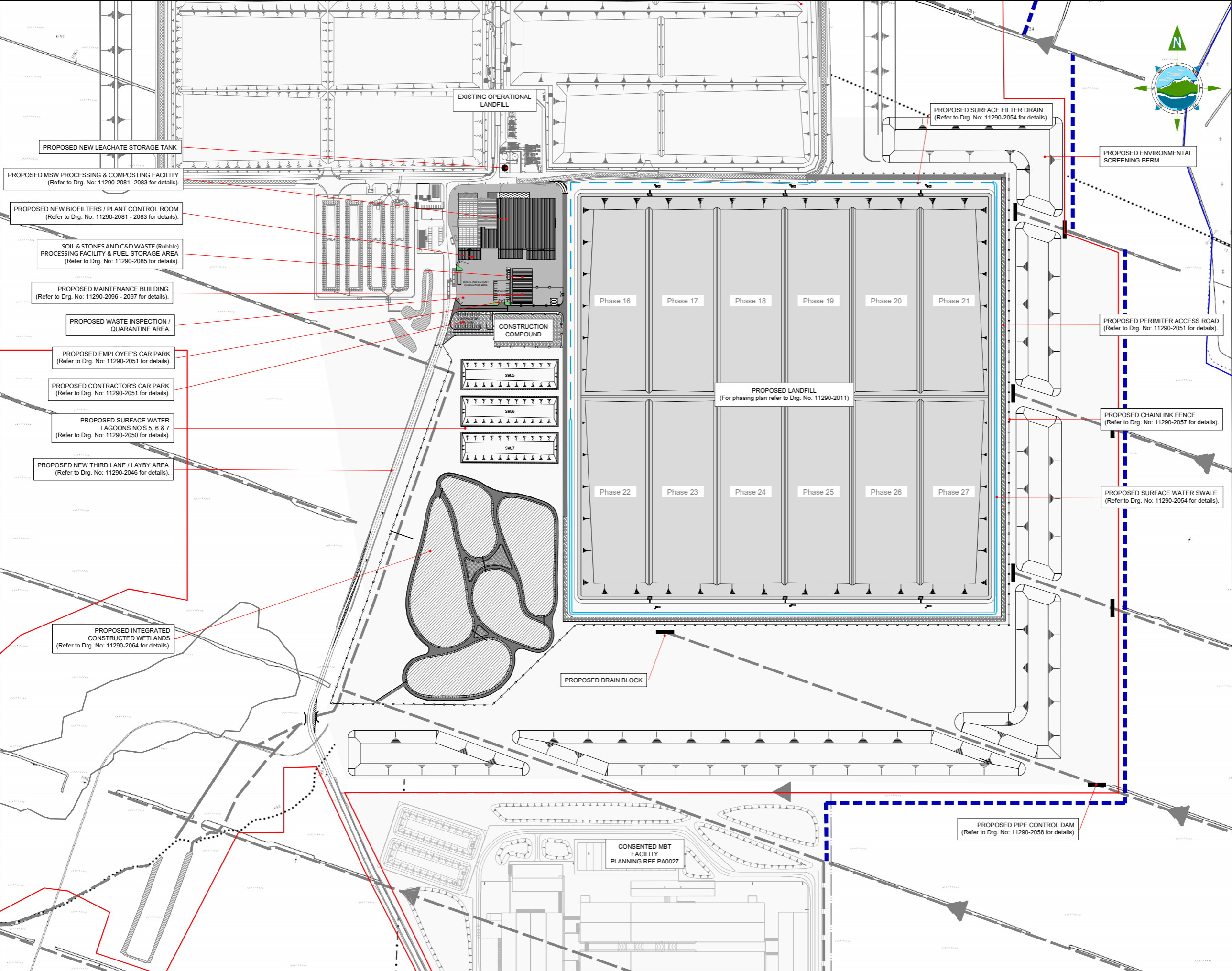
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Drawing No.:

11290-2006

Revision:

A



GENERAL LEGEND

BORD NA MÓNA
OWNERSHIP BOUNDARY

APPLICATION
BOUNDARY

PROPOSED
WORKS

EXISTING
WORKS

NOTES:

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50m 0 50m 100m 150m

A	26.04.23	PLANNING ISSUE	MN	RH	
Rev	Date	Description	By	Chkd.	

Client:
Bord na Móna

Project:
DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:
FACILITY
MASTER PLAN

Scale @ A1: 1:2,500

Prepared by: M. Nolan Checked: R. Hunt Date: November 22

Project Director: S. Tinnelly

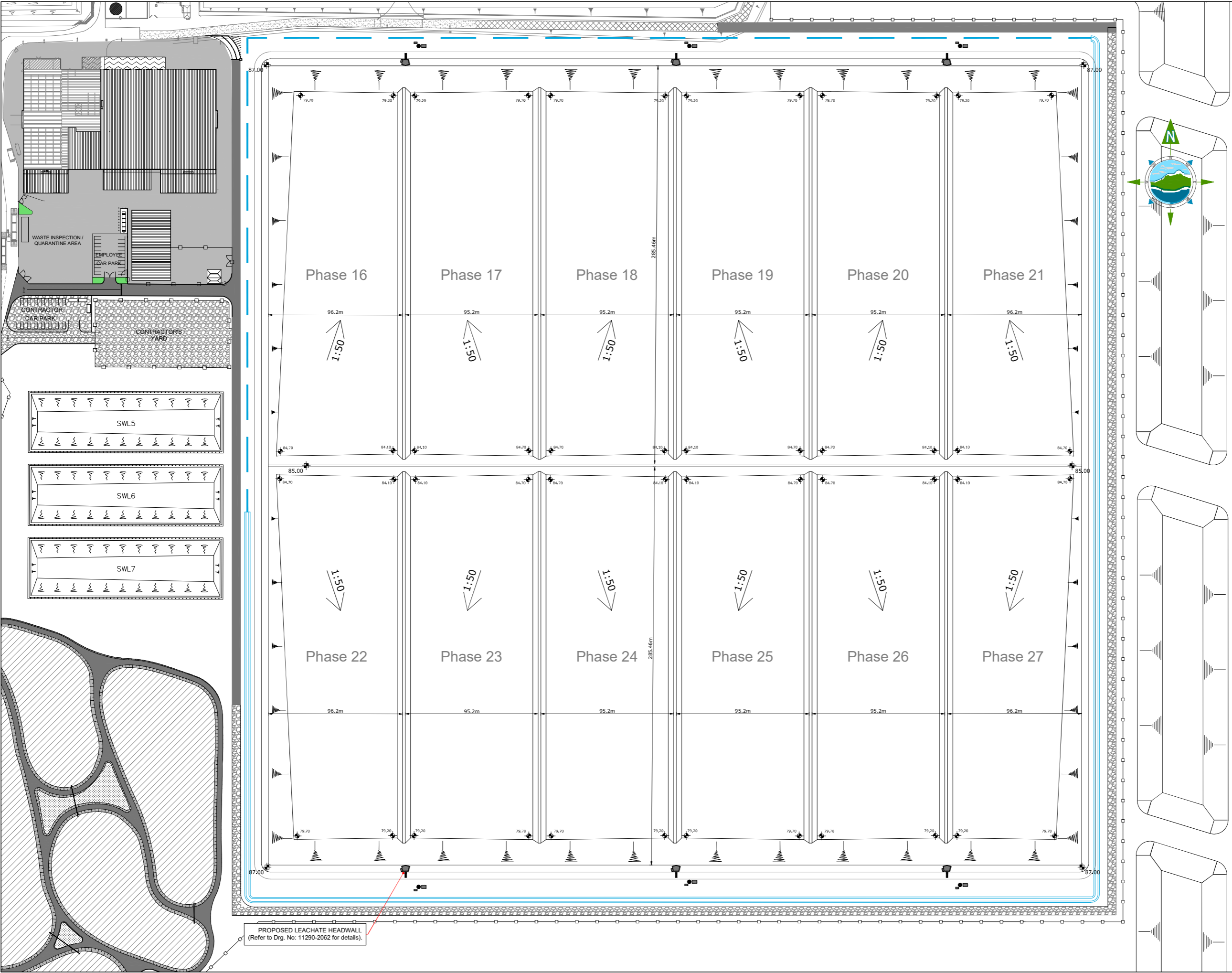
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Drawing No.: 11290-2010 Revision: A



- SYMBOLS LEGEND**
- SPOT HEIGHTS ON FORMATION
 - SPOT HEIGHTS ON TOP OF BANK
 - EMBANKMENT
 - LEACHATE HEADWALL
 - GROUNDWATER PUMP STATION AND KIOSK

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25m 0 25m 50m 75m

A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:
Bord na Móna

Project:
DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:
LANDFILL PHASING PLAN

Scale @ A1: 1:1,250

Prepared by: M. Nolan Checked: R. Hunt Date: November 22

Project Director: S. Tinnelly

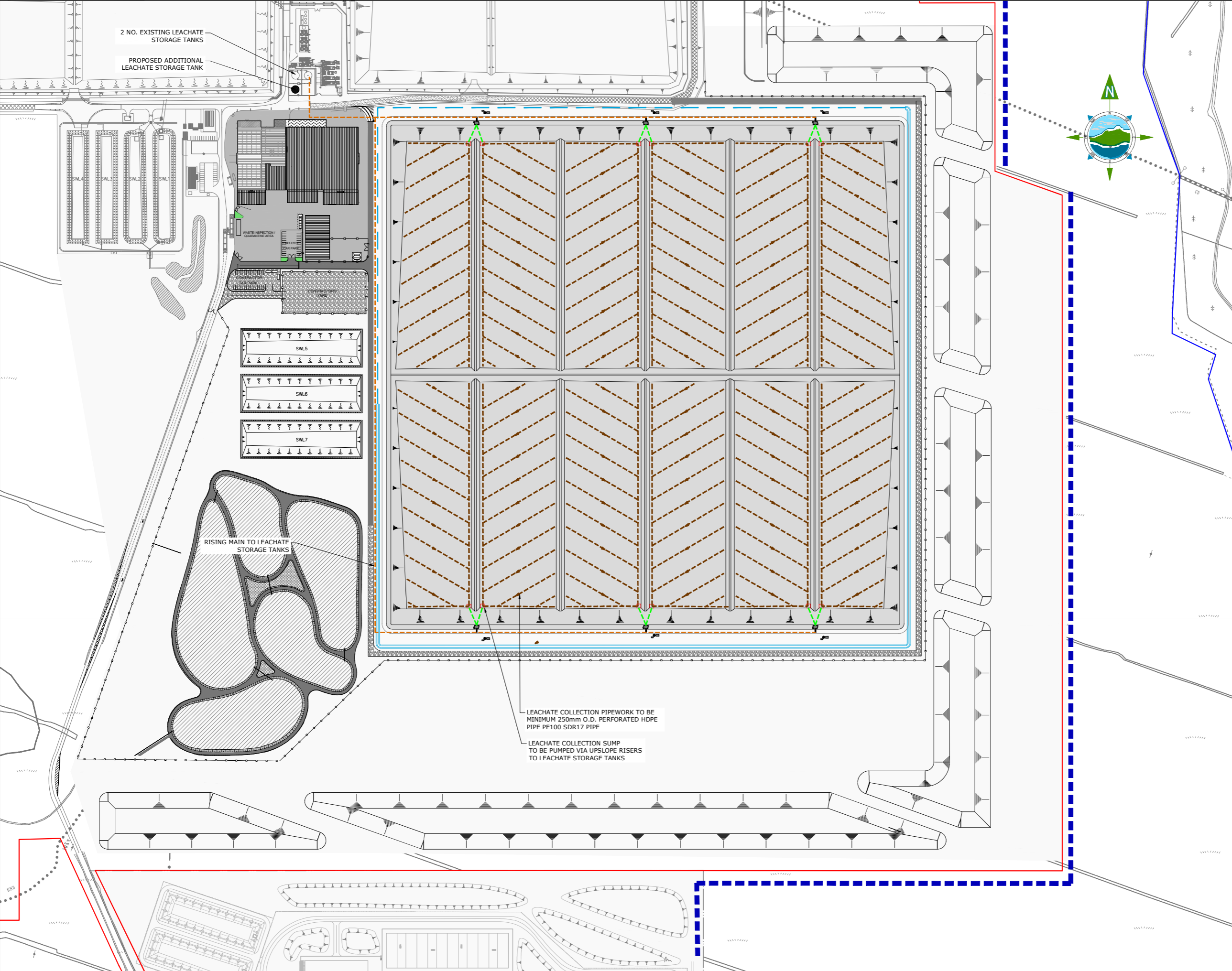
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Drawing No.: 11290-2011 Revision: A



GENERAL LEGEND

BORD NA MÓNA OWNERSHIP BOUNDARY	APPLICATION BOUNDARY
LEACHATE COLLECTION PIPEWORK IN LANDFILL	LEACHATE COLLECTION RISING MAIN
UPSLOPE RISERS TO LEACHATE HEADWALL	LEACHATE COLLECTION SUMP
PROPOSED LEACHATE HEADWALL	

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40m	0	40m	80m	120m
A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:
Bord na Móna

Project:
DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:
LEACHATE COLLECTION SYSTEMS

Scale @ A1: **1:2,000**

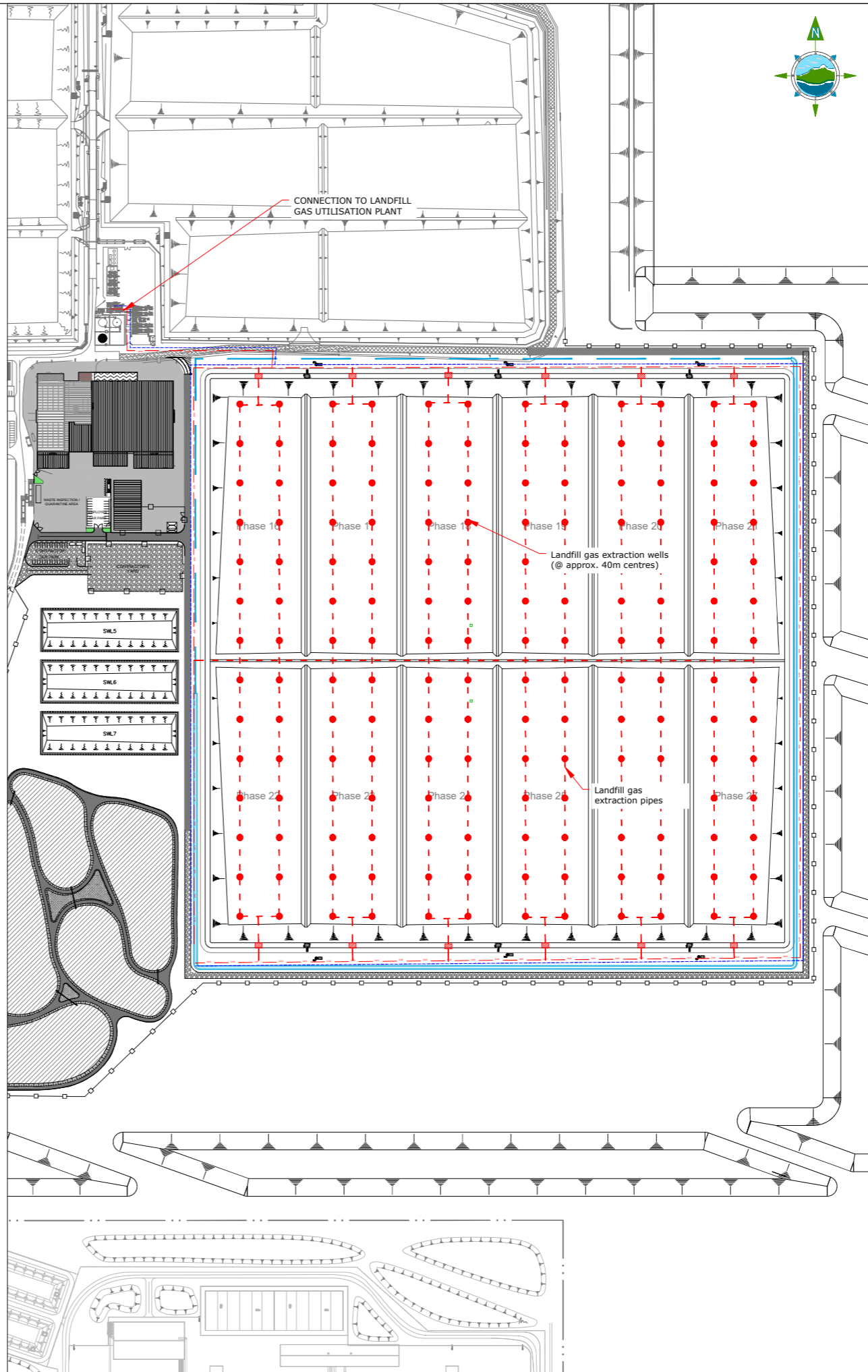
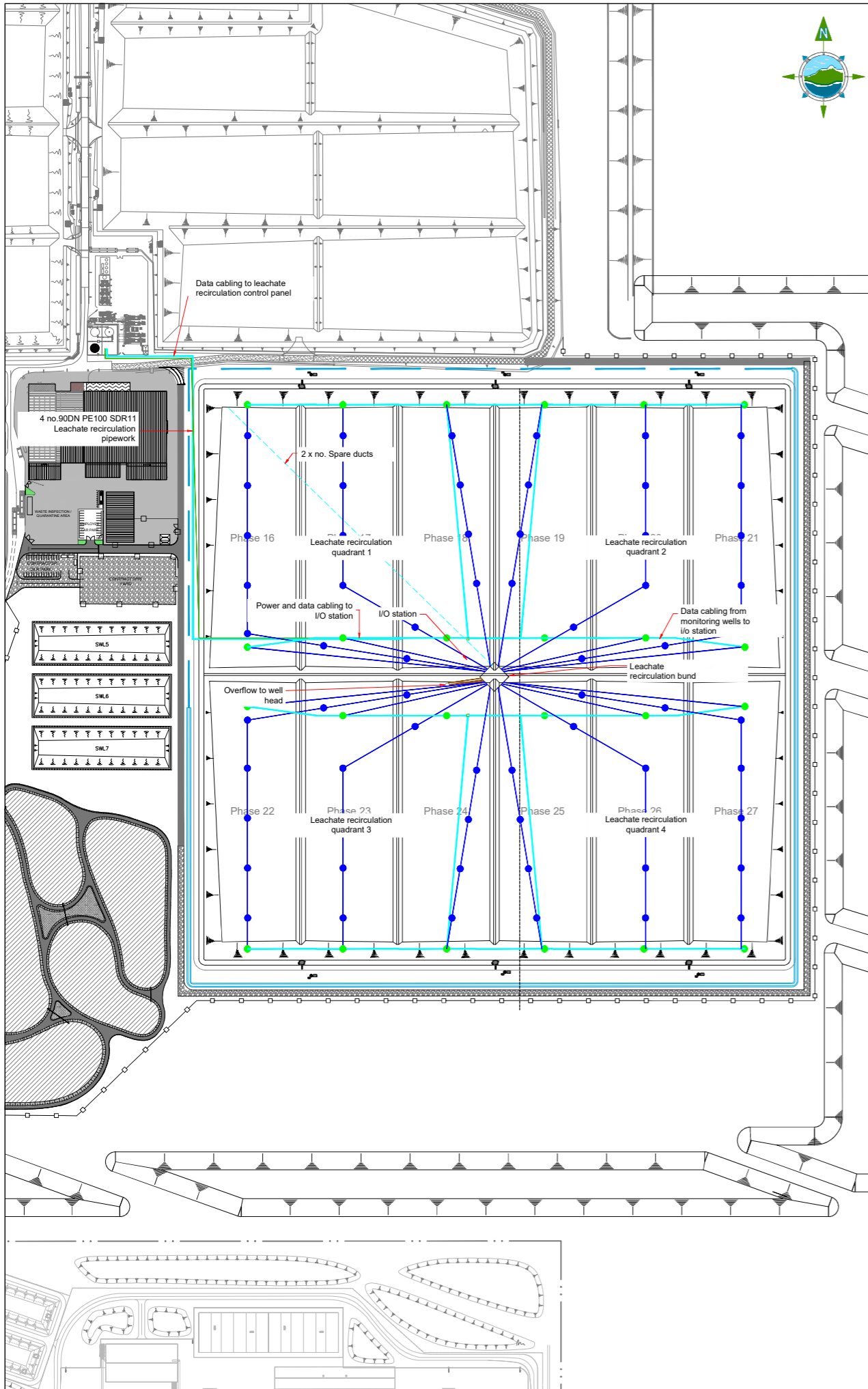
Prepared by:	Checked:	Date:
M. Nolan	R. Hunt	November 22
Project Director:	S. Tinnelly	
Drawing Status:	Planning	

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Drawing No.: **11290-2012** Revision: **A**



GENERAL LEGEND

LEACHATE CIRCULATION PIPES AND WELLS	LANDFILL GAS EXTRACTION PIPES & WELLS
RECIRCULATED LEACHATE - PUMPED DELIVERY LINES	LANDFILL GAS COLLECTION RISING MAIN
INDICATIVE CABLE ROUTES	LANDFILL GAS COLLECTION COMPRESSED AIR LINE
OVERFLOW PIPEWORK	GAS FIELD CONNECTION MANIFOLD
QUADRANT BOUNDARIES	
LEACHATE RECIRCULATION WELLS REQUIRING HYDROSTATIC TRANSDUCER INSTALLATION	

- NOTES:**
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 - ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
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 - THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES.
 - ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

40m 0 40m 80m 120m

Rev	Date	Description	By	Chkd.
A	26.04.23	PLANNING ISSUE	MN	RH

Client: **Bord na Móna**

Project: **DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT**

Title: **LANDFILL GAS & LEACHATE RECIRCULATION LAYOUT**

Scale @ A1: **1:2,500**

Prepared by: **M. Nolan** Checked: **R. Hunt** Date: **November 22**

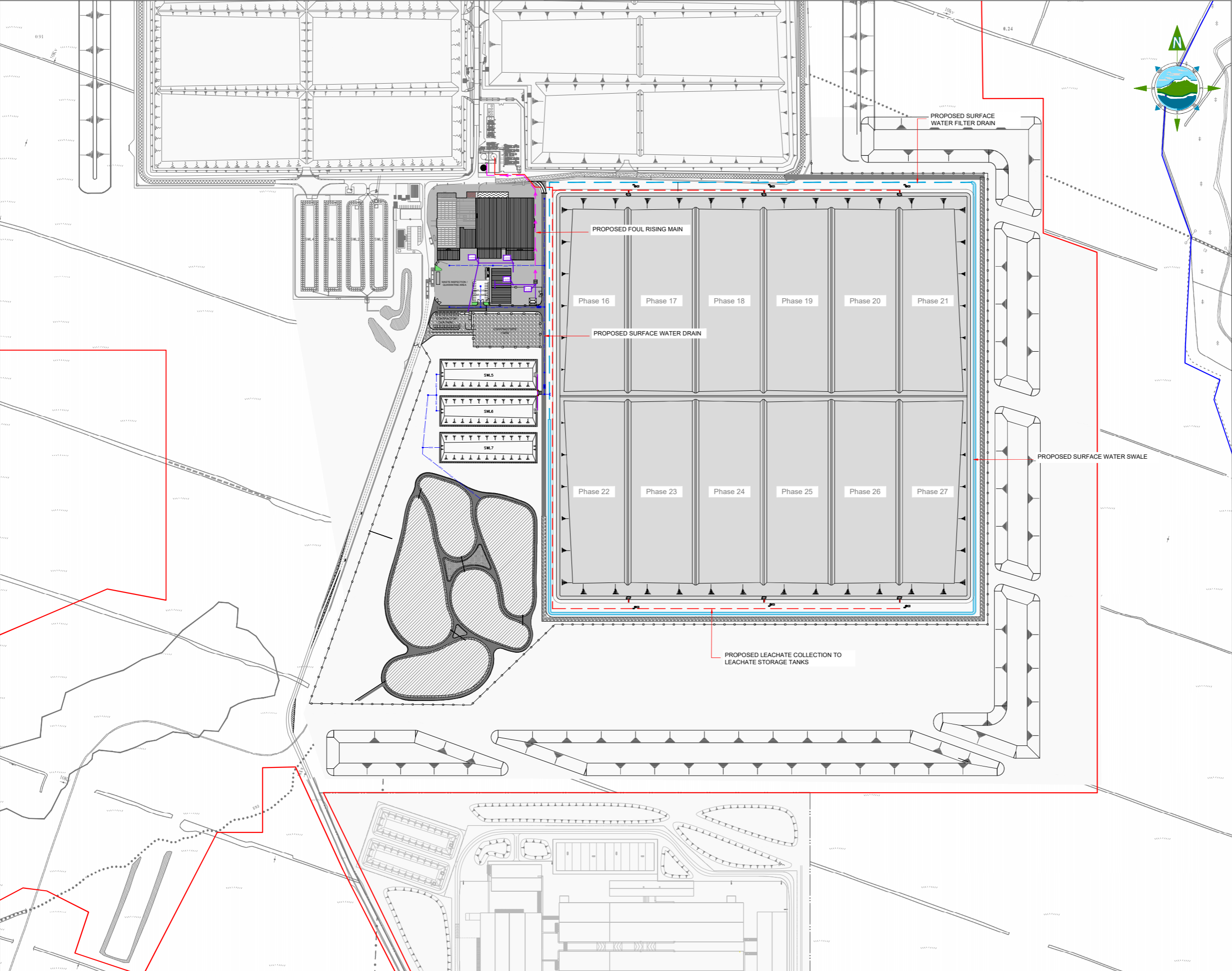
Project Director: **S. Tinnelly**

Drawing Status: **Planning**

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Drawing No.: **11290-2013** Revision: **A**



GENERAL LEGEND	
BORD NA MÓNA OWNERSHIP BOUNDARY	APPLICATION BOUNDARY
PROPOSED SURFACE WATER SWALE	PROPOSED LEACHATE COLLECTION NETWORK
PROPOSED FOUL GRAVITY MAIN	PROPOSED FOUL RISING MAIN ROUTES
PROPOSED SURFACE WATER NETWORK	PROPOSED SURFACE WATER FILTER DRAIN

- NOTES:
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 - ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Co. Kildare
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50m 0 50m 100m 150m				
A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:

SURFACE WATER & FOUL DRAINAGE MASTER PLAN

Scale @ A1: 1:2,500

Prepared by:	Checked:	Date:
M. Nolan	R. Hunt	November 22

Project Director: S. Tinnelly

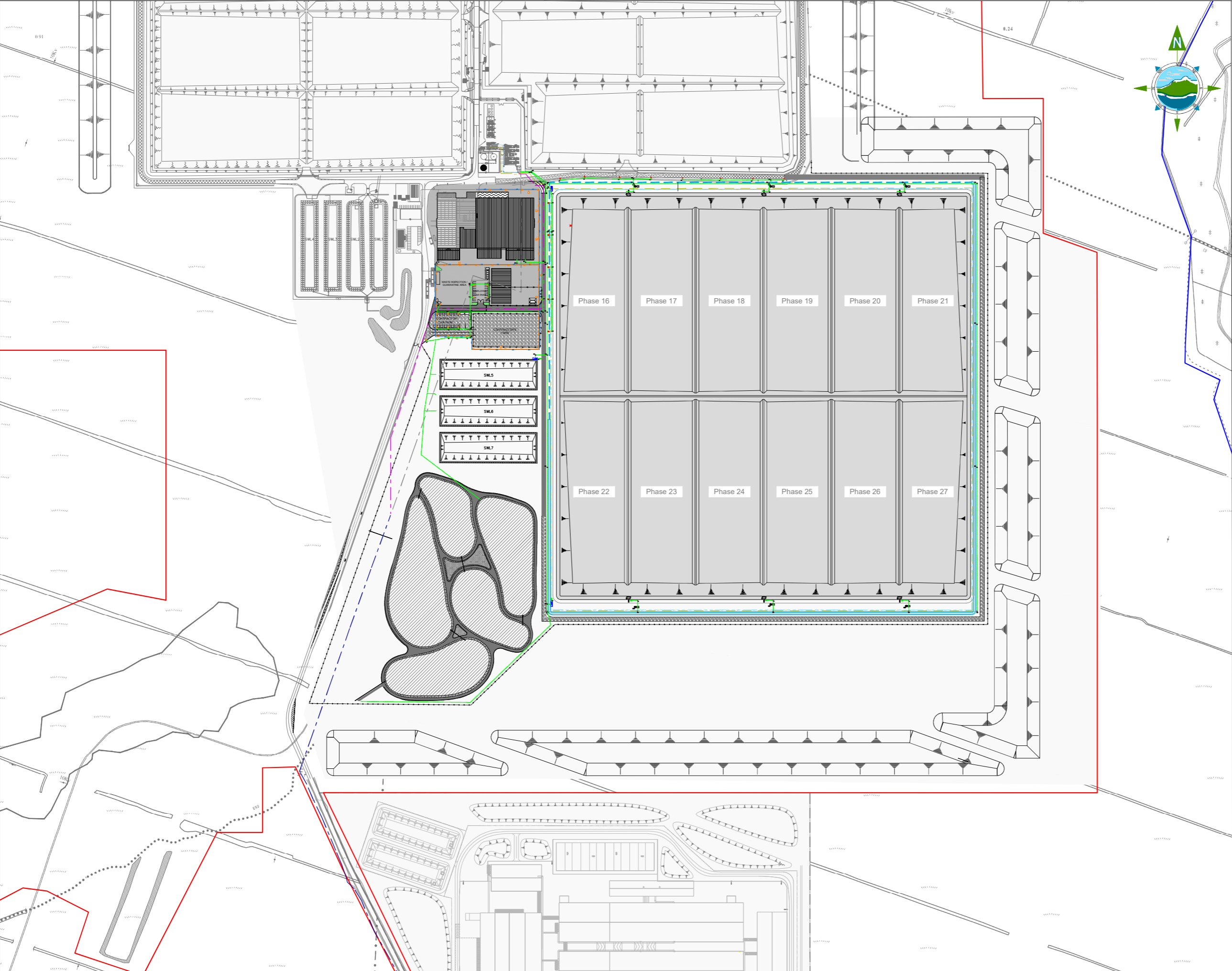
Drawing Status: Planning

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Drawing No.: 11290-2014

Revision: A



GENERAL LEGEND

BORD NA MÓNA OWNERSHIP BOUNDARY

PROPOSED WATERMAIN

PROPOSED ESB & COMMS DUCT

EXISTING OVERHEAD POWERLINE

OVERHEAD POWERLINE TO BE REMOVED

APPLICATION BOUNDARY

PROPOSED FIREMAIN

PROPOSED HYDRANT

PROPOSED DIVERSION TO POWERLINE (Underground)

- NOTES:**
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.

2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE

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4. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES

5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

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50m050m100m150m

A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

DREHID WASTE MANAGEMENT FACILITY FUTURE DEVELOPMENT

Title:

UTILITIES MASTER PLAN

Scale @ A1:

1:2,500

Prepared by:

M. Nolan

Checked:

R. Hunt

Date:

November 22

Project Director:

S. Tinnelly

Drawing Status:

Planning

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Drawing No.:

11290-2015

Revision:

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GENERAL LEGEND

BORD NA MÓNA OWNERSHIP BOUNDARY

PROPOSED SURFACE WATER SWALE

PROPOSED FOUL GRAVITY MAIN

PROPOSED SURFACE WATER NETWORK

PROPOSED WATERMAIN

PROPOSED UNDERGROUND CABLE DIVERSION

PROPOSED ESB & COMMS DUCT

APPLICATION BOUNDARY

PROPOSED SURFACE WATER FILTER DRAIN

PROPOSED FOUL RISING MAIN

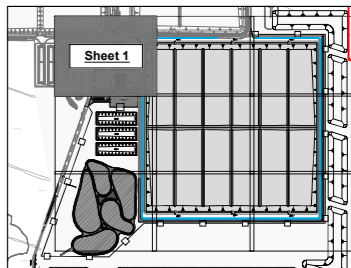
PROPOSED LEACHATE COLLECTION NETWORK

PROPOSED FIREMAIN

PROPOSED GAS RING MAIN

PROPOSED HYDRANT

KEY PLAN



10m 0 10m 20m 30m

Rev	Date	Description	By	Chkd.
A	26.04.23	PLANNING ISSUE	MN	RH

Client:

Bord na Móna

Project:

DREHID WASTE MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:

DRAINAGE & UTILITIES
LAYOUT PLAN
- Sheet 1 of 9 -

Scale @ A1: 1:500

Prepared by: M. Nolan
Checked: R. Hunt
Date: November 22

Project Director: S. Tinnelly

Drawing Status: Planning

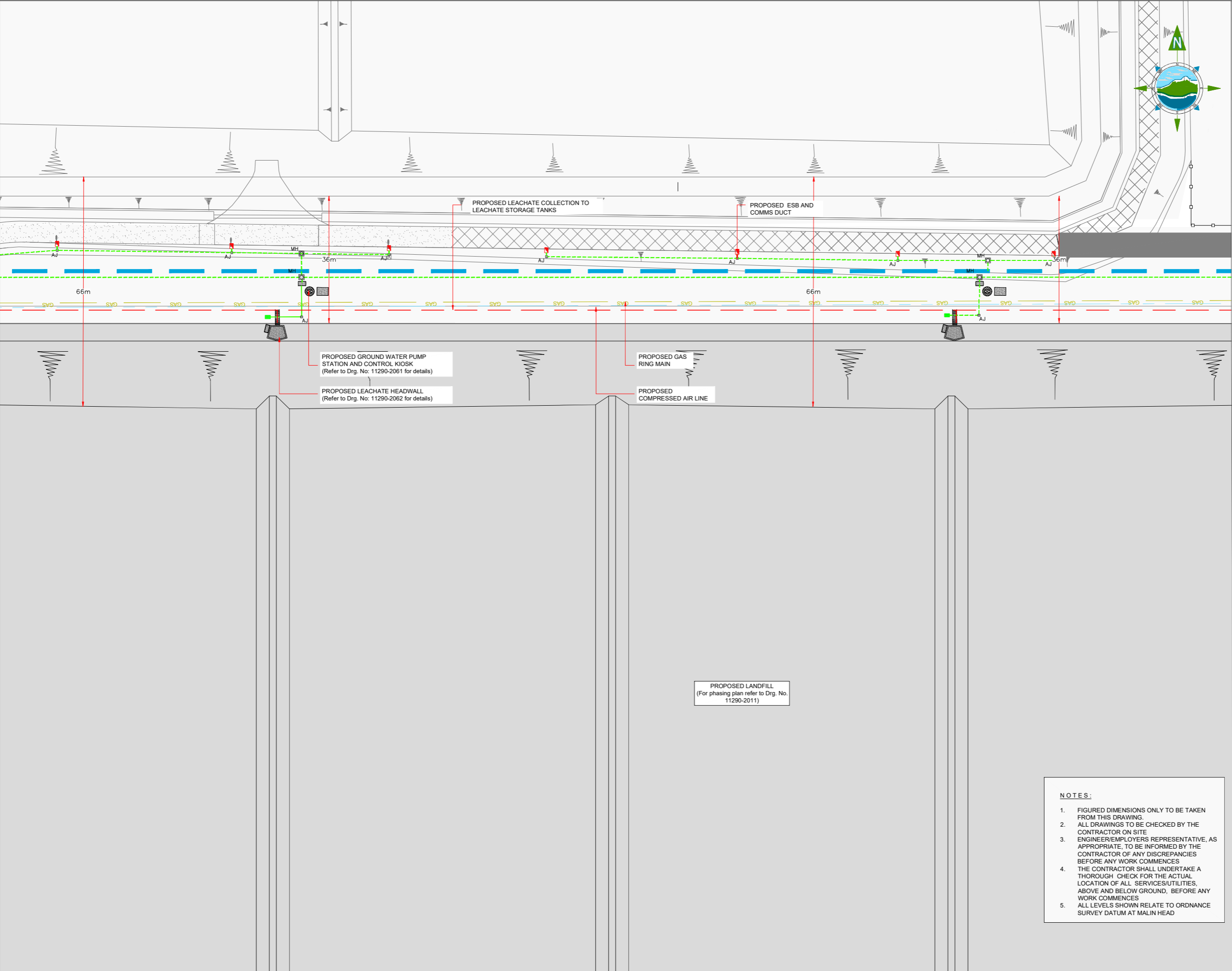
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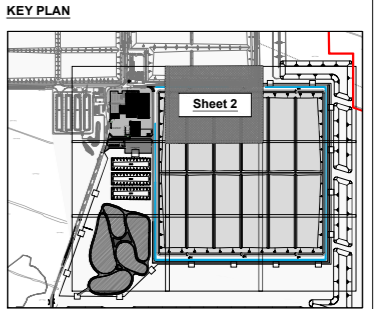
Drawing No.: 11290-2016

Revision:

A



GENERAL LEGEND	
BORD NA MÓNA OWNERSHIP BOUNDARY	APPLICATION BOUNDARY
PROPOSED SURFACE WATER SWALE	PROPOSED SURFACE WATER FILTER DRAIN
PROPOSED FOUL GRAVITY MAIN	PROPOSED FOUL RISING MAIN
PROPOSED SURFACE WATER NETWORK	PROPOSED LEACHATE COLLECTION NETWORK
PROPOSED WATERMAIN	PROPOSED FIREMAIN
PROPOSED UNDERGROUND CABLE DIVERSION	PROPOSED GAS RING MAIN
PROPOSED ESB & COMMS DUCT	PROPOSED HYDRANT



10m 0 10m 20m 30m				
A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

DREHID WASTE MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:

DRAINAGE & UTILITIES LAYOUT PLAN
- Sheet 2 of 9 -

Scale @ A1:

1:500

Prepared by:

M. Nolan

Checked:

R. Hunt

Date:

November 22

Project Director:

S. Tinnelly

Drawing Status:

Planning

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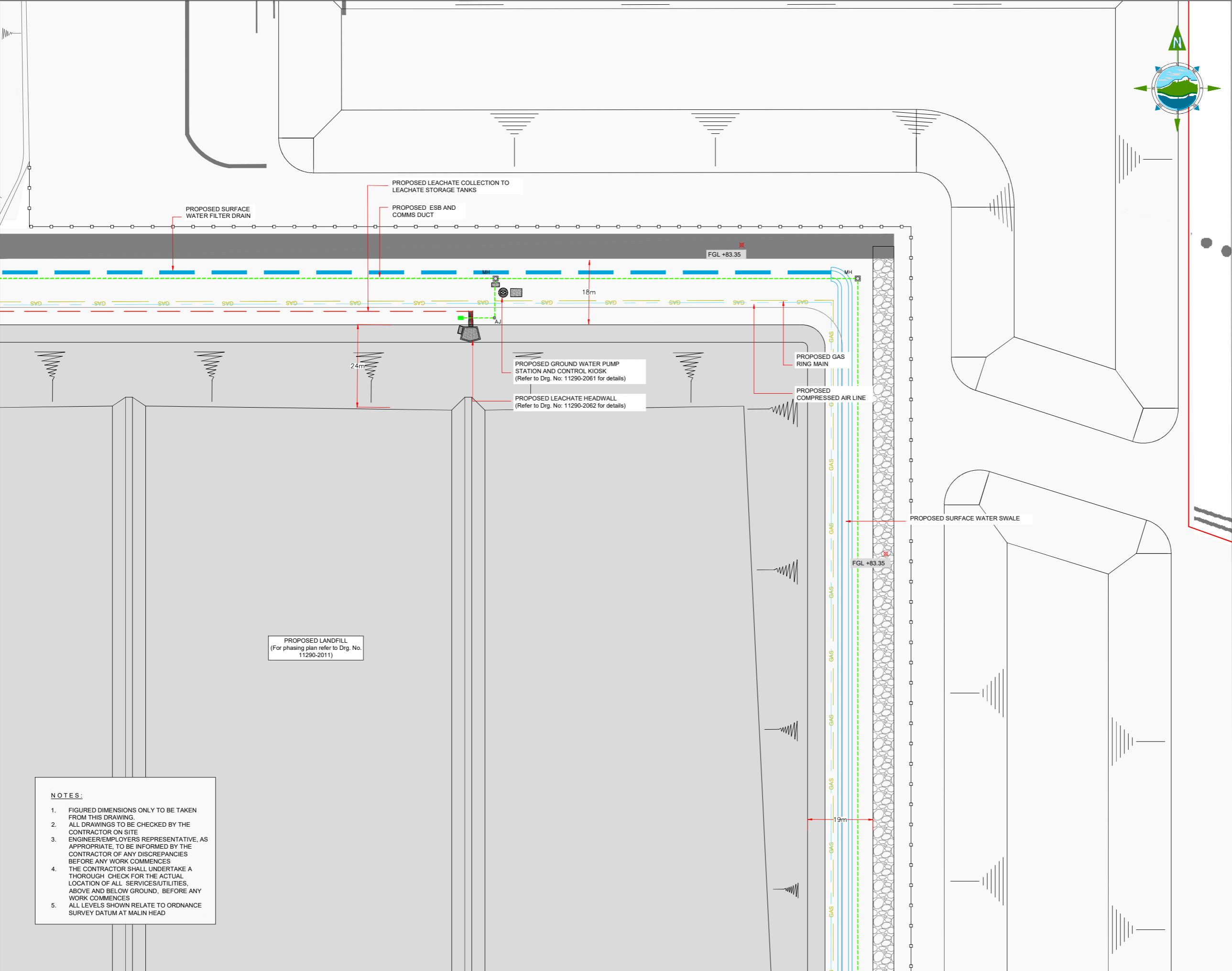
Drawing No.:

11290-2017

Revision:

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GENERAL LEGEND

BORD NA MÓNA OWNERSHIP BOUNDARY	APPLICATION BOUNDARY
PROPOSED SURFACE WATER SWALE	PROPOSED SURFACE WATER FILTER DRAIN
PROPOSED FOUL GRAVITY MAIN	PROPOSED FOUL RISING MAIN
PROPOSED SURFACE WATER NETWORK	PROPOSED LEACHATE COLLECTION NETWORK
PROPOSED WATERMAIN	PROPOSED FIREMAIN
PROPOSED UNDERGROUND CABLE DIVERSION	PROPOSED GAS RING MAIN
PROPOSED ESB & COMMS DUCT	PROPOSED HYDRANT

KEY PLAN

10m 0 10m 20m 30m

A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:
Bord na Móna

Project:
DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:
DRAINAGE & UTILITIES LAYOUT PLAN - Sheet 3 of 9 -

Scale @ A1: **1:500**

Prepared by:	Checked:	Date:
M. Nolan	R. Hunt	November 22

Project Director: S. Tinnelly

Drawing Status: Planning

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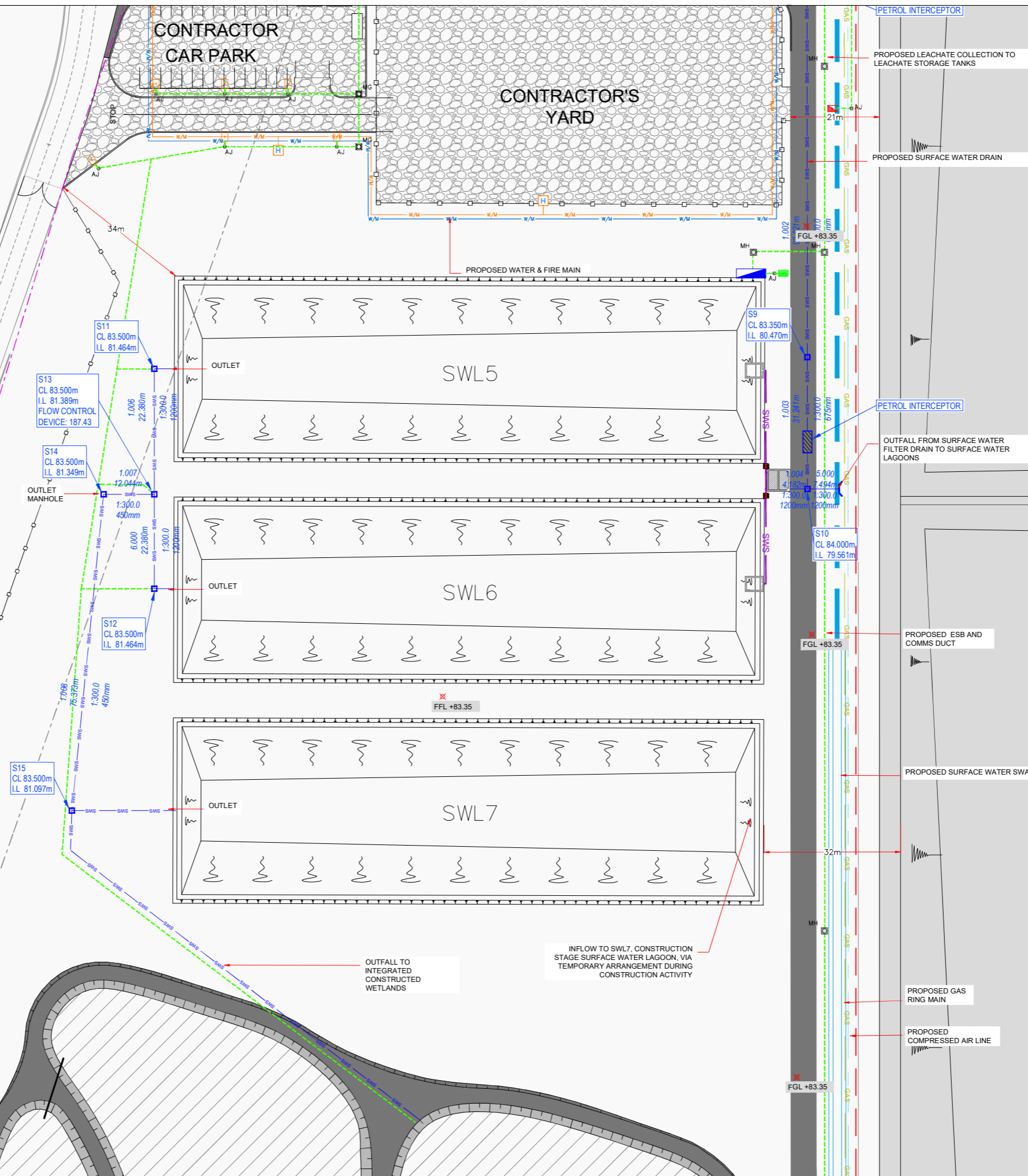
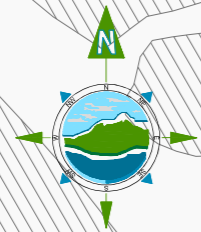
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Revision: **A**

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BORD NA MÓNA
OWNERSHIP BOUNDARY

PROPOSED SURFACE
WATER SWALE

PROPOSED FOUL
GRAVITY MAIN

PROPOSED SURFACE
WATER NETWORK

PROPOSED
WATERMAIN
W/M

PROPOSED UNDERGROUND CABLE DIVERSION

PROPOSED
ESB & COMMS DUCT

APPLICATION
BOUNDARY

PROPOSED SURFACE
WATER FILTER DRAIN

PROPOSED FOUL
RISING MAIN

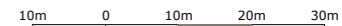
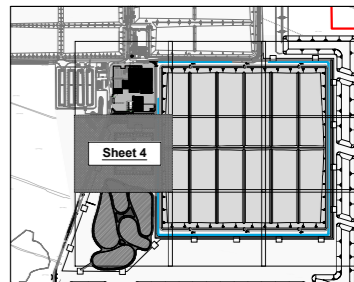
PROPOSED LEACHATE
COLLECTION NETWORK

PROPOSED
FIREMAIN
W/M

PROPOSED
GAS RING MAIN
GAS

PROPOSED
HYDRANT

KEY PLAN



A	26.04.23	PLANNING ISSUE	MN	R
Rev	Date	Description	By	Chk

Client:

Bord na Móna

Project:

DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:

DRAINAGE & UTILITIES
LAYOUT PLAN
- Sheet 4 of 9 -

Scale @ A1: 1:500

Prepared by:	Checked:	Date:
M. Nolan	R. Hunt	November 22

Project Director: S. Tinnelly

Drawing Status:	Planning
-----------------	----------

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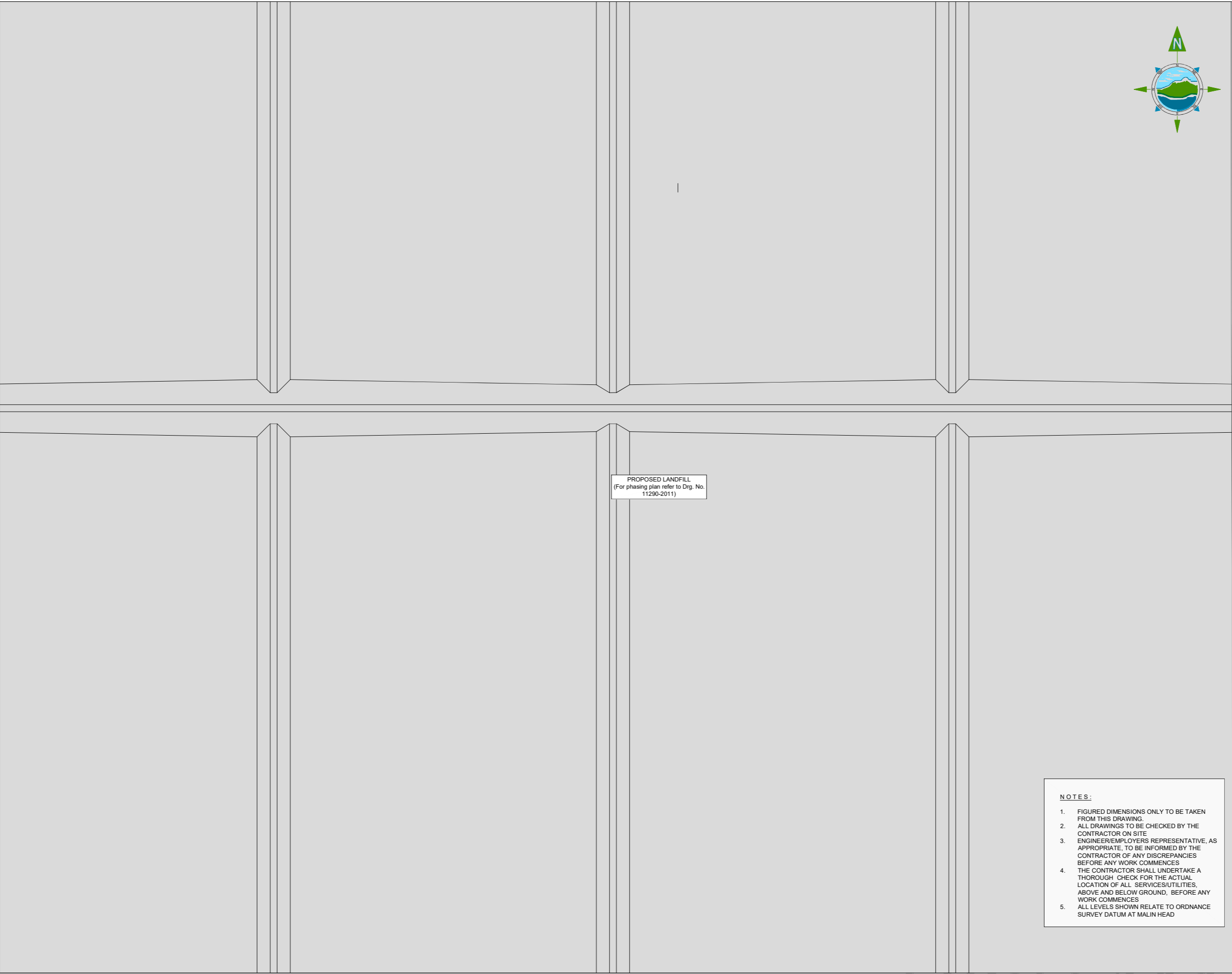
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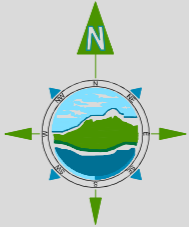
Revision

Drawing No.: 11290-2019

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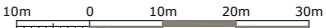
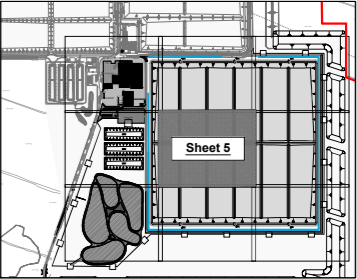


PROPOSED LANDFILL
(For phasing plan refer to Drg. No. 11290-2011)



GENERAL LEGEND	
BORD NA MÓNA OWNERSHIP BOUNDARY	APPLICATION BOUNDARY
PROPOSED SURFACE WATER SWALE	PROPOSED SURFACE WATER FILTER DRAIN
PROPOSED FOUL GRAVITY MAIN	PROPOSED FOUL RISING MAIN
PROPOSED SURFACE WATER NETWORK SVS SVS	PROPOSED LEACHATE COLLECTION NETWORK
PROPOSED WATERMAIN W/M	PROPOSED FIREMAIN W/M
PROPOSED UNDERGROUND CABLE DIVERSION	PROPOSED GAS RING MAIN GAS
PROPOSED ESB & COMMS DUCT	PROPOSED HYDRANT H

KEY PLAN



A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:

DRAINAGE & UTILITIES
LAYOUT PLAN
- Sheet 5 of 9 -

Scale @ A1: 1:500

Prepared by:	Checked:	Date:
M. Nolan	R. Hunt	November 22

Project Director: S. Tinnelly

Drawing Status: Planning

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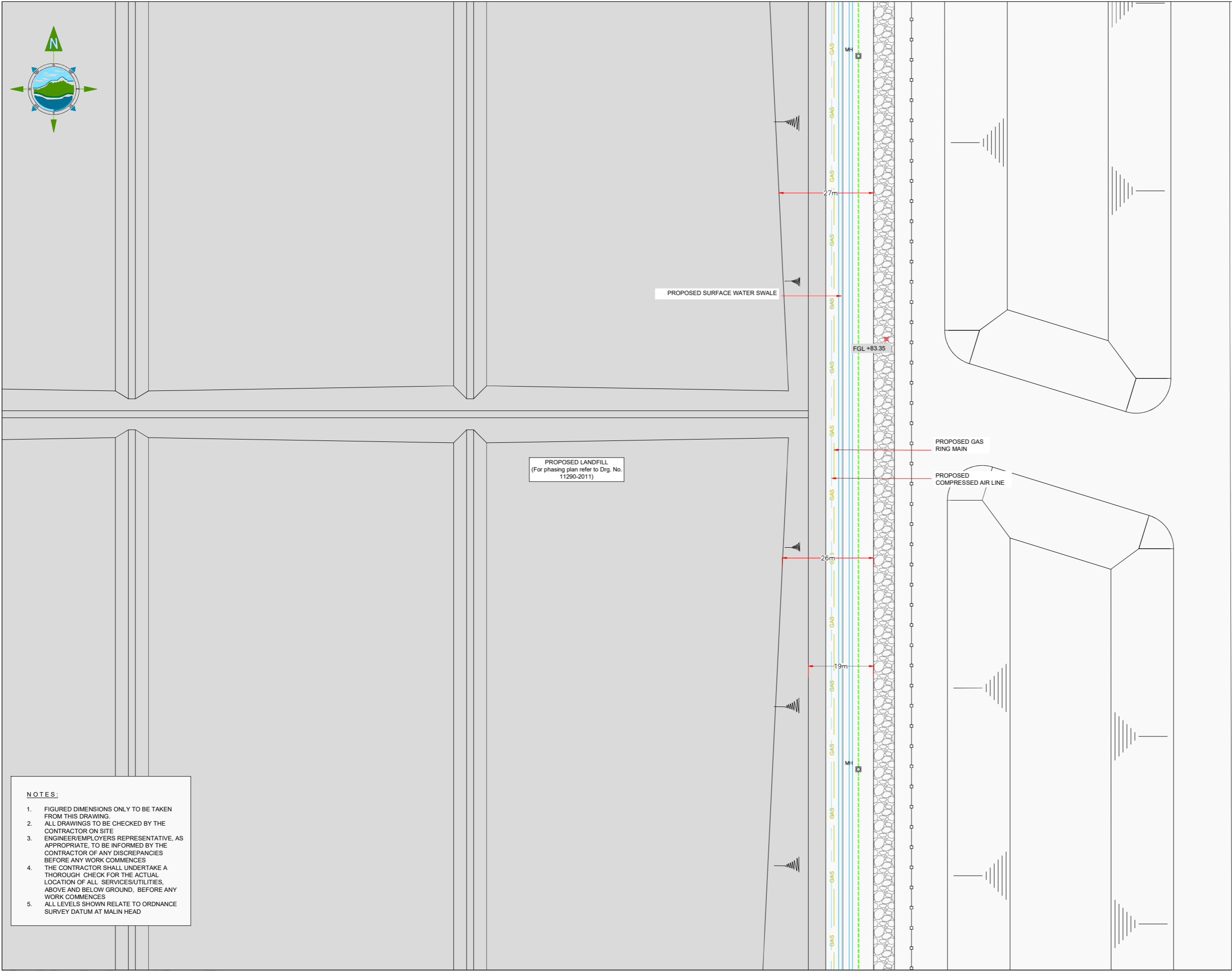
Drawing No.: 11290-2020

Revision:

A

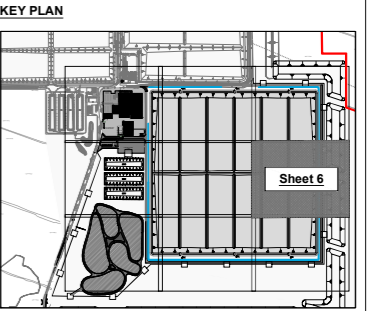
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GENERAL LEGEND	
BORD NA MÓNA OWNERSHIP BOUNDARY	APPLICATION BOUNDARY
PROPOSED SURFACE WATER SWALE	PROPOSED SURFACE WATER FILTER DRAIN
PROPOSED FOUL GRAVITY MAIN	PROPOSED FOUL RISING MAIN
PROPOSED SURFACE WATER NETWORK	PROPOSED LEACHATE COLLECTION NETWORK
PROPOSED WATERMAIN	PROPOSED FIREMAIN
PROPOSED UNDERGROUND CABLE DIVERSION	PROPOSED GAS RING MAIN
PROPOSED ESB & COMMS DUCT	PROPOSED HYDRANT



10m 0 10m 20m 30m				
A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:
Bord na Móna

Project:
DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:
DRAINAGE & UTILITIES LAYOUT PLAN - Sheet 6 of 9 -

Scale @ A1: **1:500**

Prepared by: **M. Nolan** Checked: **R. Hunt** Date: **November 22**

Project Director: **S. Tinnelly**

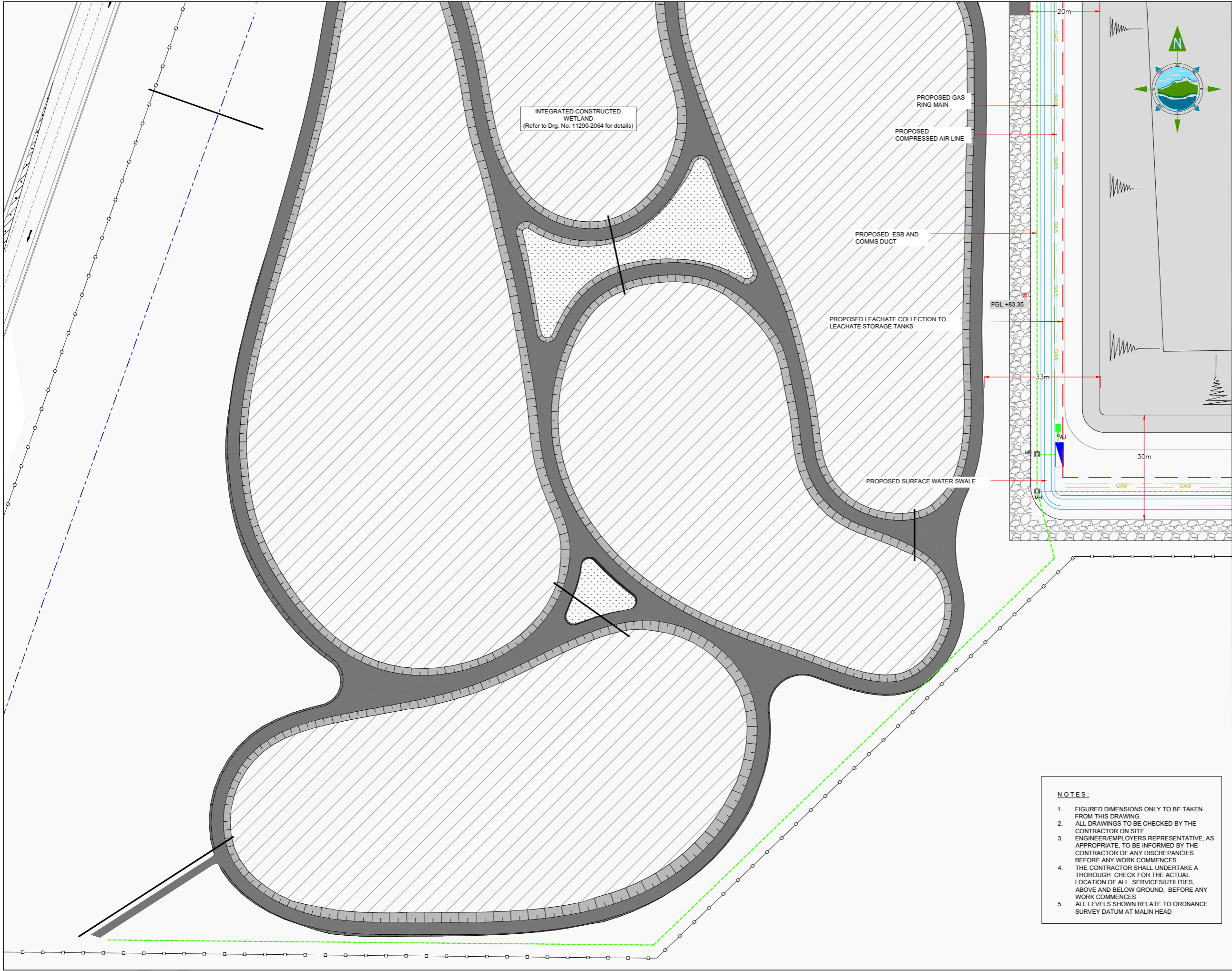
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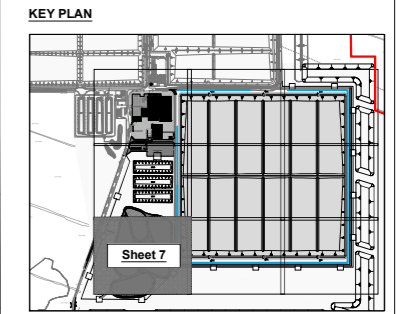
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Drawing No.: **11290-2021** Revision: **A**



GENERAL LEGEND	
BORD NA MÓNA OWNERSHIP BOUNDARY	APPLICATION BOUNDARY
PROPOSED SURFACE WATER SWALE	PROPOSED SURFACE WATER FILTER DRAIN
PROPOSED FOUL GRAVITY MAIN	PROPOSED FOUL RISING MAIN
PROPOSED SURFACE WATER NETWORK	PROPOSED LEACHATE COLLECTION NETWORK
PROPOSED WATERMAIN	PROPOSED FIREMAIN
PROPOSED UNDERGROUND CABLE DIVERSION	PROPOSED GAS RING MAIN
PROPOSED ESB & COMMS DUCT	PROPOSED HYDRANT



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A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

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Client:

Bord na Móna

Project:

DREHID WASTE MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:

DRAINAGE & UTILITIES
LAYOUT PLAN
- Sheet 7 of 9 -

Scale @ A1: 1:500

Prepared by:	Checked:	Date:
M. Nolan	R. Hunt	November 22

Project Director: S. Tinnelly

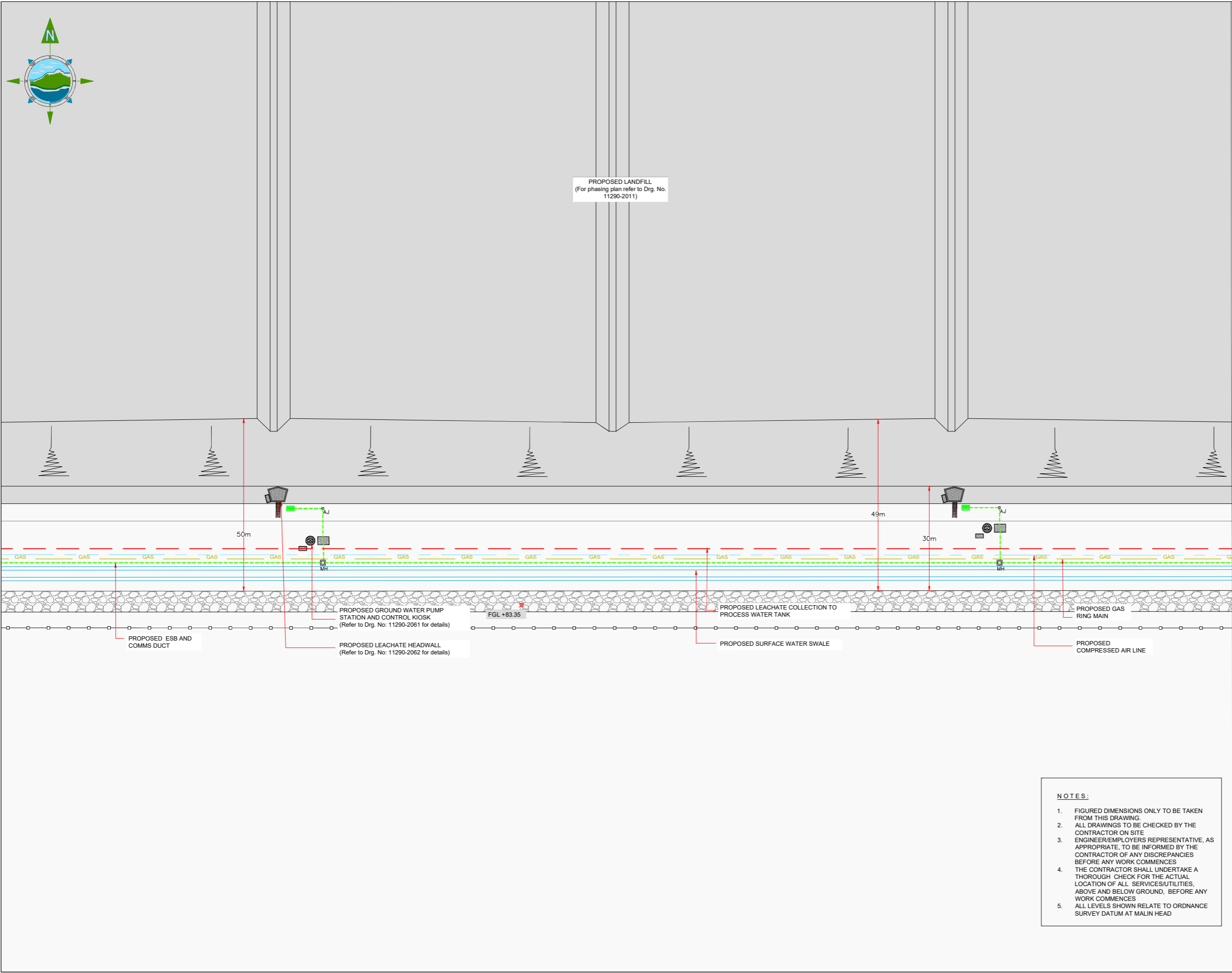
Drawing Status: Planning

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Drawing No.: 11290-2022

Revision: A



GENERAL LEGEND

BORD NA MÓNA OWNERSHIP BOUNDARY	APPLICATION BOUNDARY
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PROPOSED FOUL GRAVITY MAIN	PROPOSED FOUL RISING MAIN
PROPOSED SURFACE WATER NETWORK SVS	PROPOSED LEACHATE COLLECTION NETWORK
PROPOSED WATERMAIN	PROPOSED FIREMAIN
PROPOSED UNDERGROUND CABLE DIVERSION	PROPOSED GAS RING MAIN GAS
PROPOSED ESB & COMMS DUCT	PROPOSED HYDRANT

KEY PLAN

10m 0 10m 20m 30m

A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:
Bord na Móna

Project:
**DREHID WASTE MANAGEMENT FACILITY
FURTHER DEVELOPMENT**

Title:
**DRAINAGE & UTILITIES
LAYOUT PLAN
- Sheet 8 of 9 -**

Scale @ A1: **1:500**

Prepared by: M. Nolan	Checked: R. Hunt	Date: November 22
--------------------------	---------------------	----------------------

Project Director: S. Tinnelly

Drawing Status: Planning

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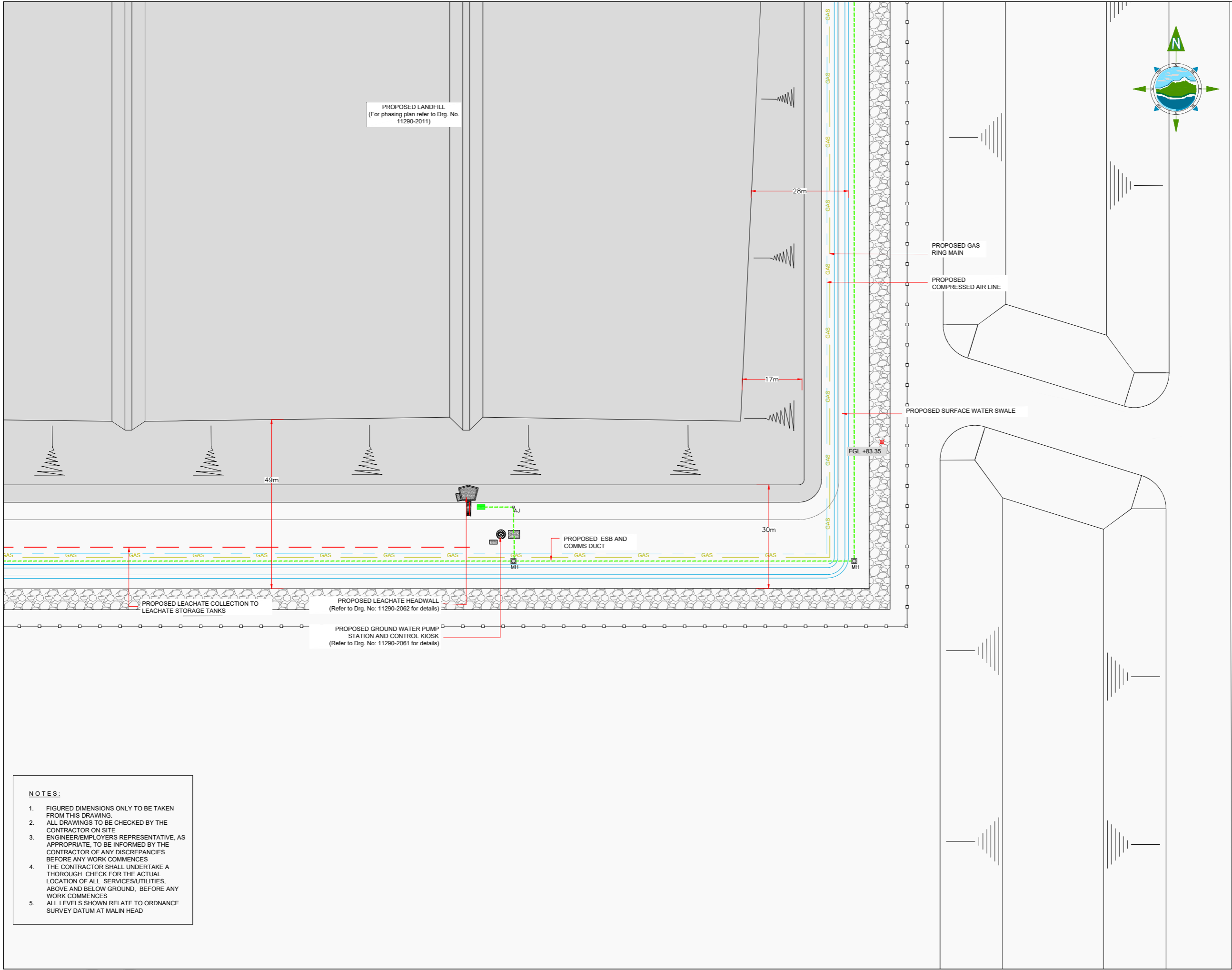
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Drawing No.: **11290-2023**

Revision:
A

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- ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD



GENERAL LEGEND

BORD NA MÓNA OWNERSHIP BOUNDARY

PROPOSED SURFACE WATER SWALE

PROPOSED FOUL GRAVITY MAIN

PROPOSED SURFACE WATER NETWORK

PROPOSED WATERMAIN

PROPOSED UNDERGROUND CABLE DIVERSION

PROPOSED ESB & COMMS DUCT

APPLICATION BOUNDARY

PROPOSED SURFACE WATER FILTER DRAIN

PROPOSED FOUL RISING MAIN

PROPOSED LEACHATE COLLECTION NETWORK

PROPOSED FIREMAIN

PROPOSED GAS RING MAIN

PROPOSED HYDRANT

KEY PLAN

10m 0 10m 20m 30m

A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

DREHID WASTE MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:

DRAINAGE & UTILITIES
LAYOUT PLAN
- Sheet 9 of 9 -

Scale @ A1: 1:500

Prepared by:	Checked:	Date:
M. Nolan	R. Hunt	November 22

Project Director: S. Tinnelly

Drawing Status: Planning

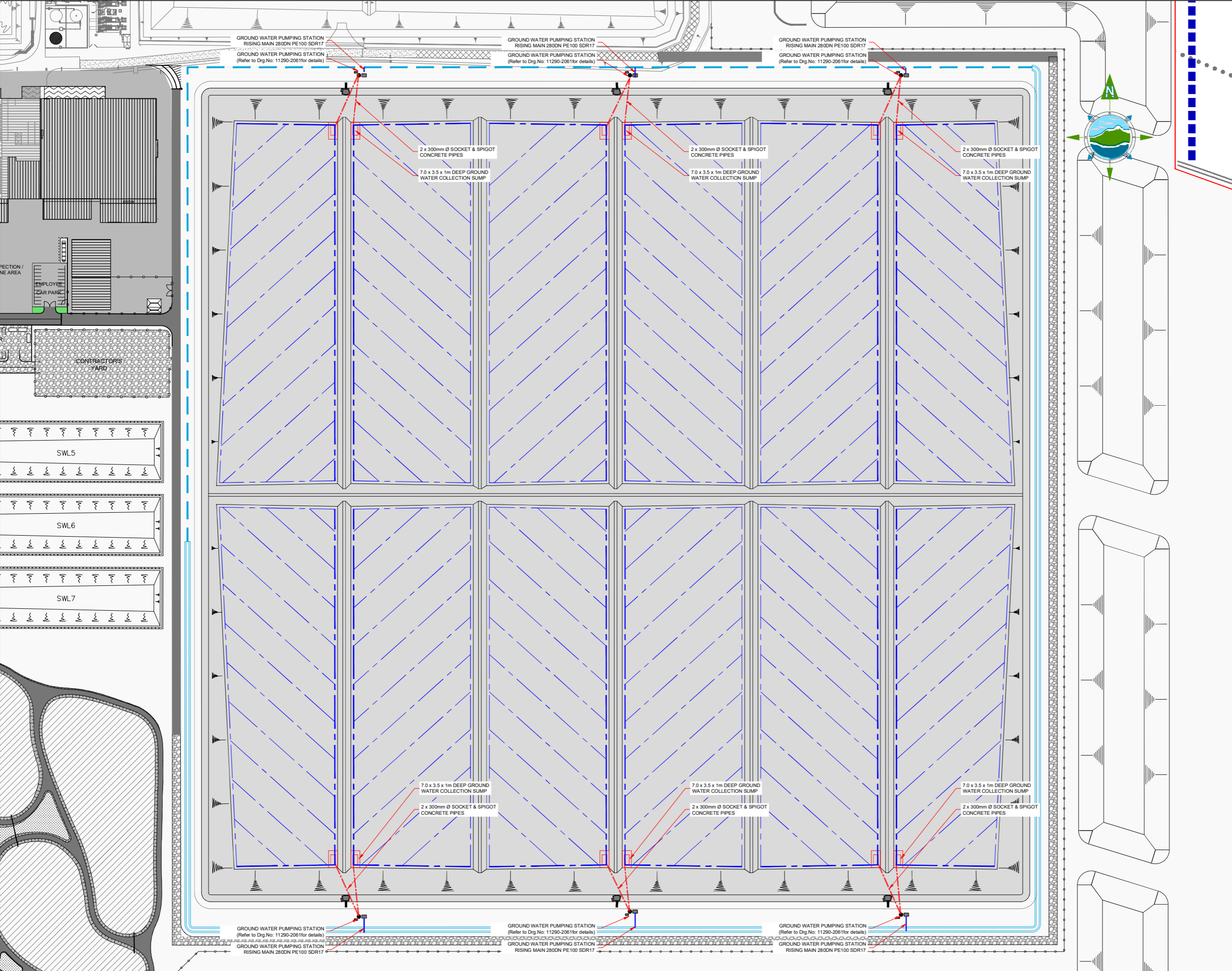
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Drawing No.: 11290-2024

Revision: A



GENERAL LEGEND

BORD NA MÓNA OWNERSHIP BOUNDARY	APPLICATION BOUNDARY
GROUNDWATER COLLECTION PIPEWORK	SOCKET & SPIGGOT CONCRETE PIPES
GROUND WATER COLLECTION SUMP	SURFACE WATER SWALE

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 - ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

25m 0 25m 50m 75m

A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:
Bord na Móna

Project:
DREHID WASTE
MANAGEMENT FACILITY
LANDFILL EXTENSION
PLANNING APPLICATION

Title:
**UNDER CELL
DRAINAGE SYSTEMS**

Scale @ A1: 1:1,250

Prepared by: M. Nolan
Checked: R. Hunt
Date: November 22

Project Director: S. Tinnelly

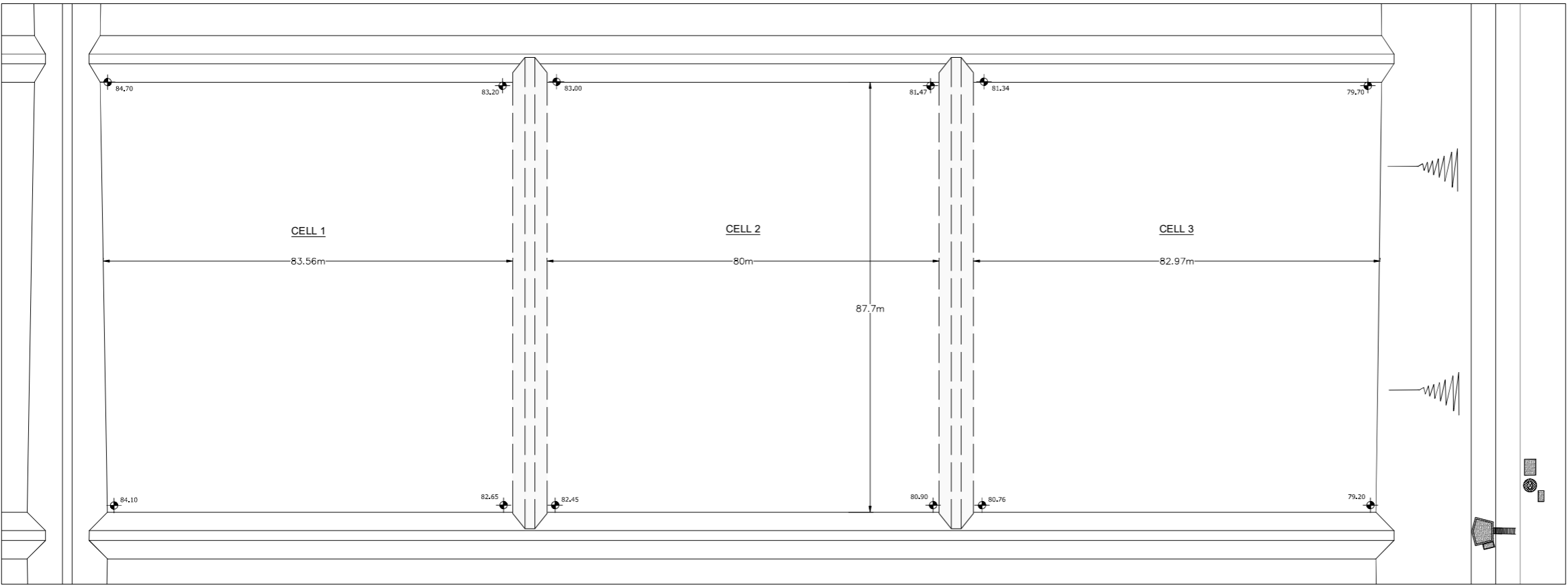
Drawing Status: Planning

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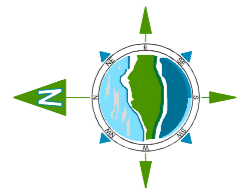
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Drawing No.: 11290-2028

Revision: A



LANDFILL CELL LAYOUT
Scale 1:500



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A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:

PROPOSED LANDFILL
CELL LAYOUT

Scale @ A1: 1:500

Prepared by:	Checked:	Date:
M. Nolan	R. Hunt	November 22

Project Director:	S. Tinnelly
Drawing Status:	Planning

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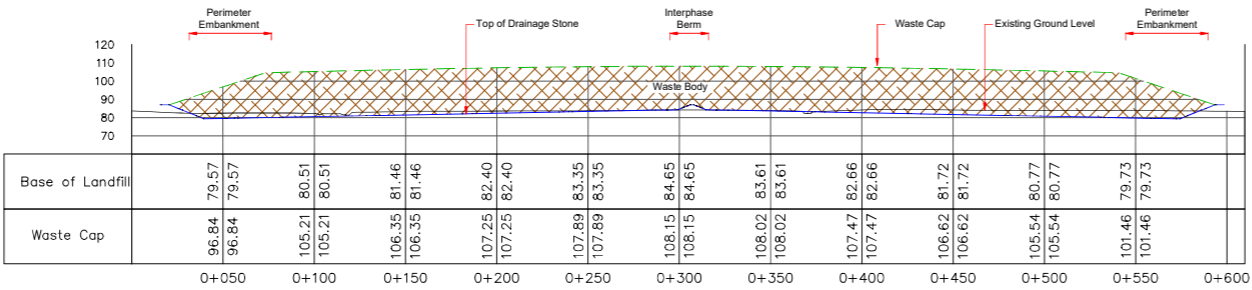
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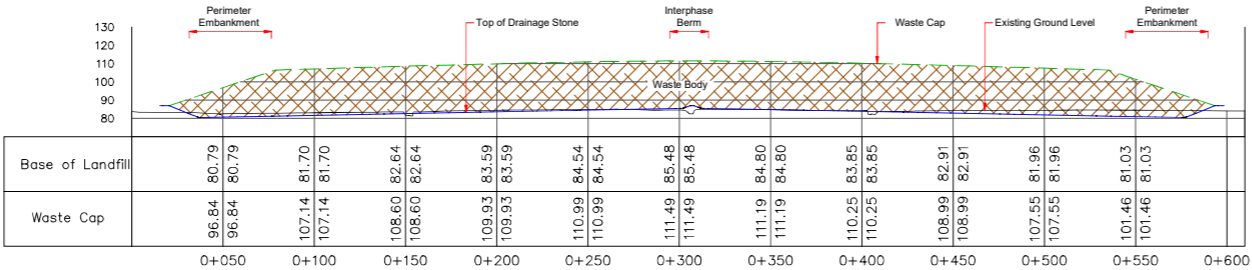
Drawing No.: 11290-2030

Revision:

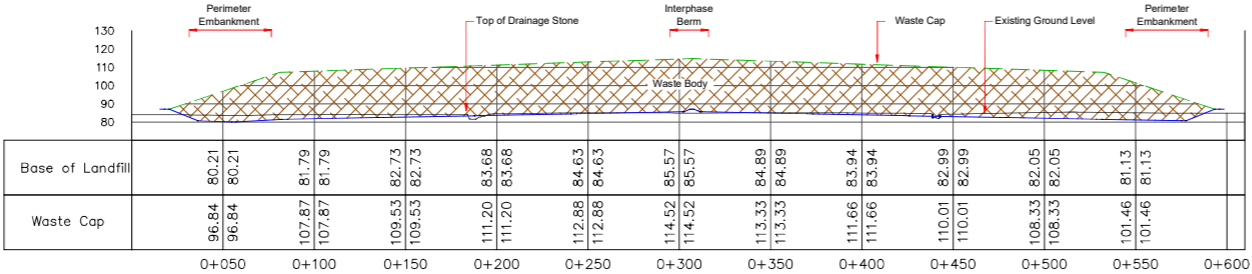
A



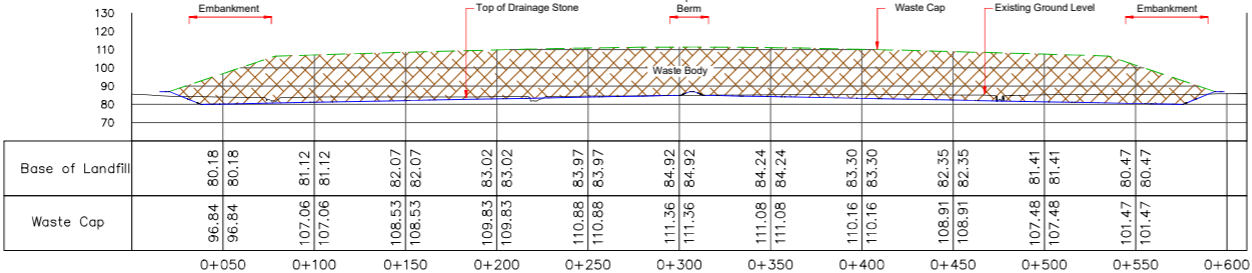
LONGITUDINAL SECTION 1 - 1



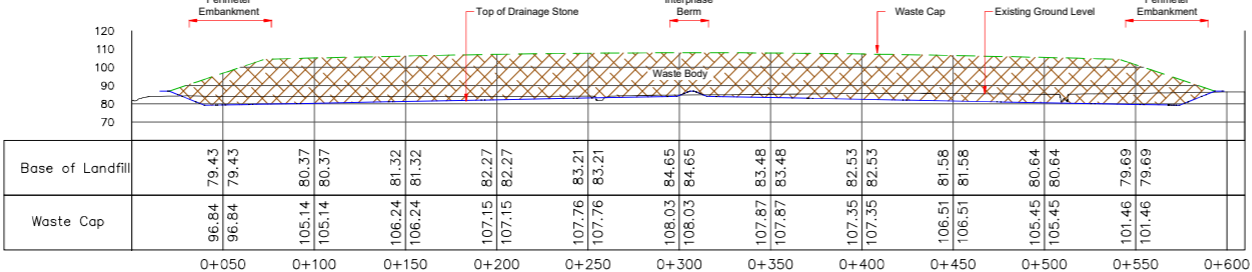
LONGITUDINAL SECTION 2 - 2



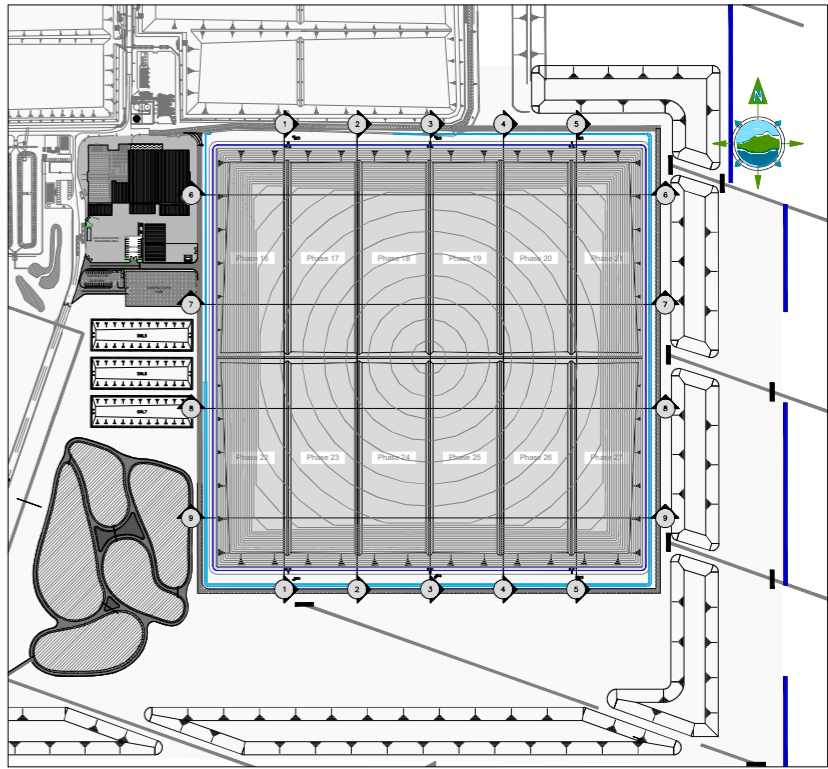
LONGITUDINAL SECTION 3 - 3



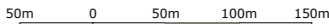
LONGITUDINAL SECTION 4 - 4



LONGITUDINAL SECTION 5 - 5



KEY PLAN -1:5000



A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:
Bord na Móna

Project:
**DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT**

Title:
**PROPOSED LANDFILL
LONGITUDINAL SECTIONS**

Scale @ A1: **1:2,000**

Prepared by: **M. Nolan** Checked: **R. Hunt** Date: **November 22**

Project Director: **S. Tinnelly**

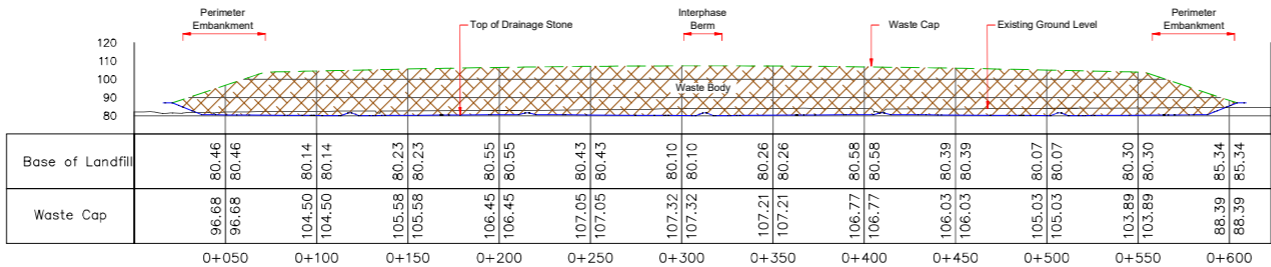
Drawing Status: **Planning**

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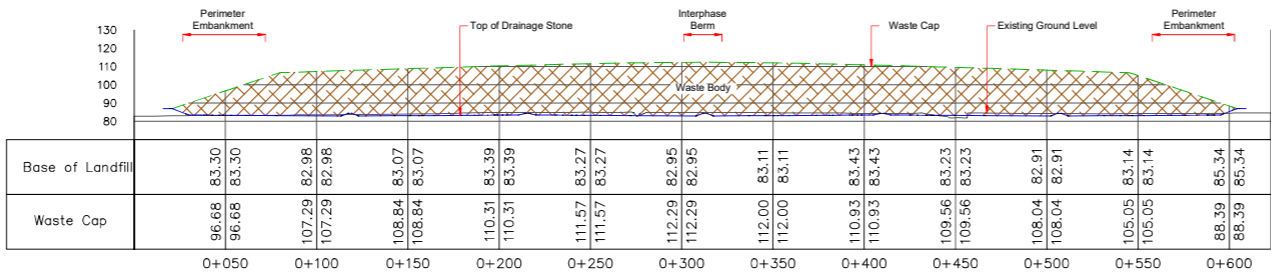
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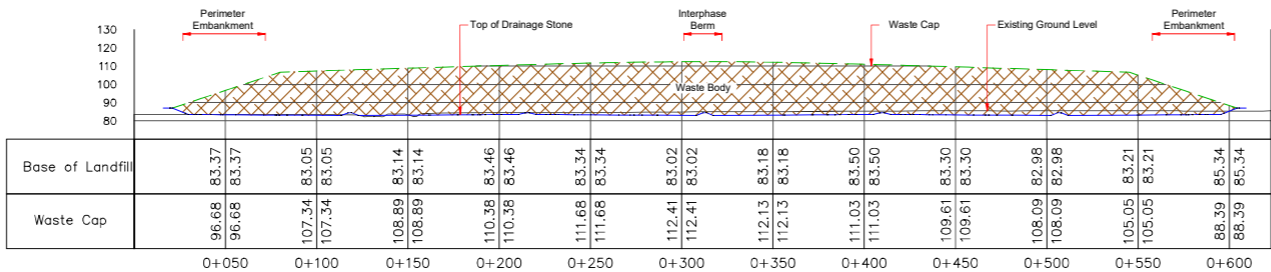
Drawing No.: **11290-2031** Revision: **A**



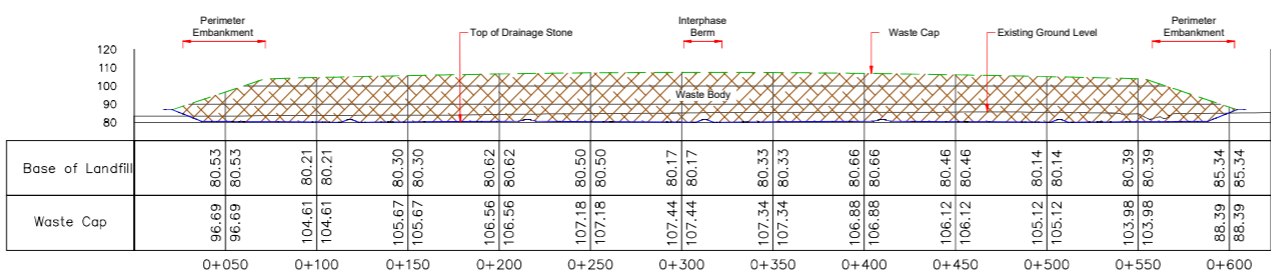
Cross Section 6-6



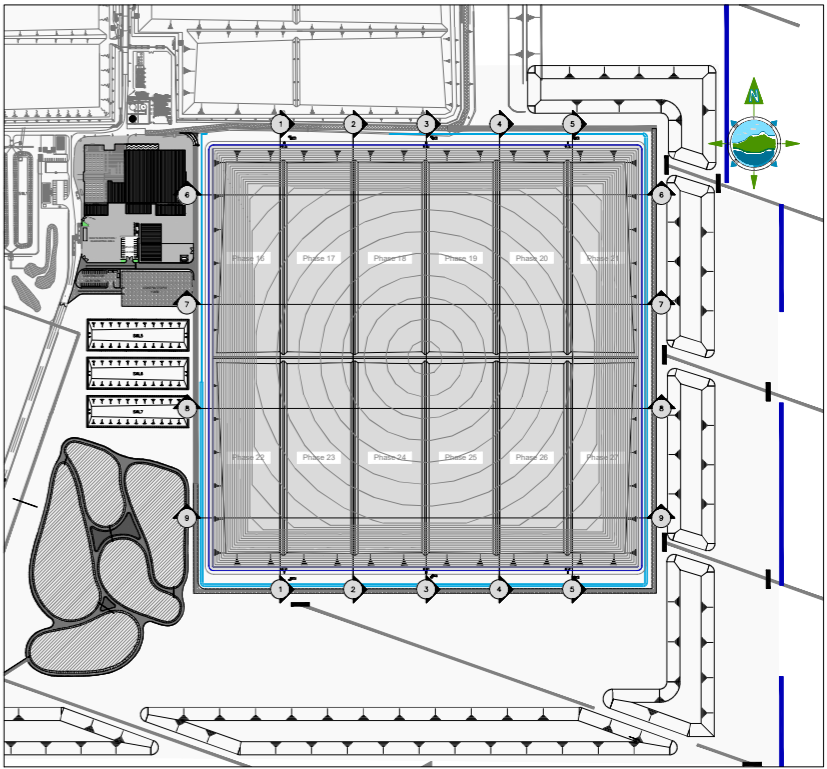
Cross Section 7-7



Cross Section 8-8



Cross Section 9-9



50m 0 50m 100m 150m				
A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:
Bord na Móna

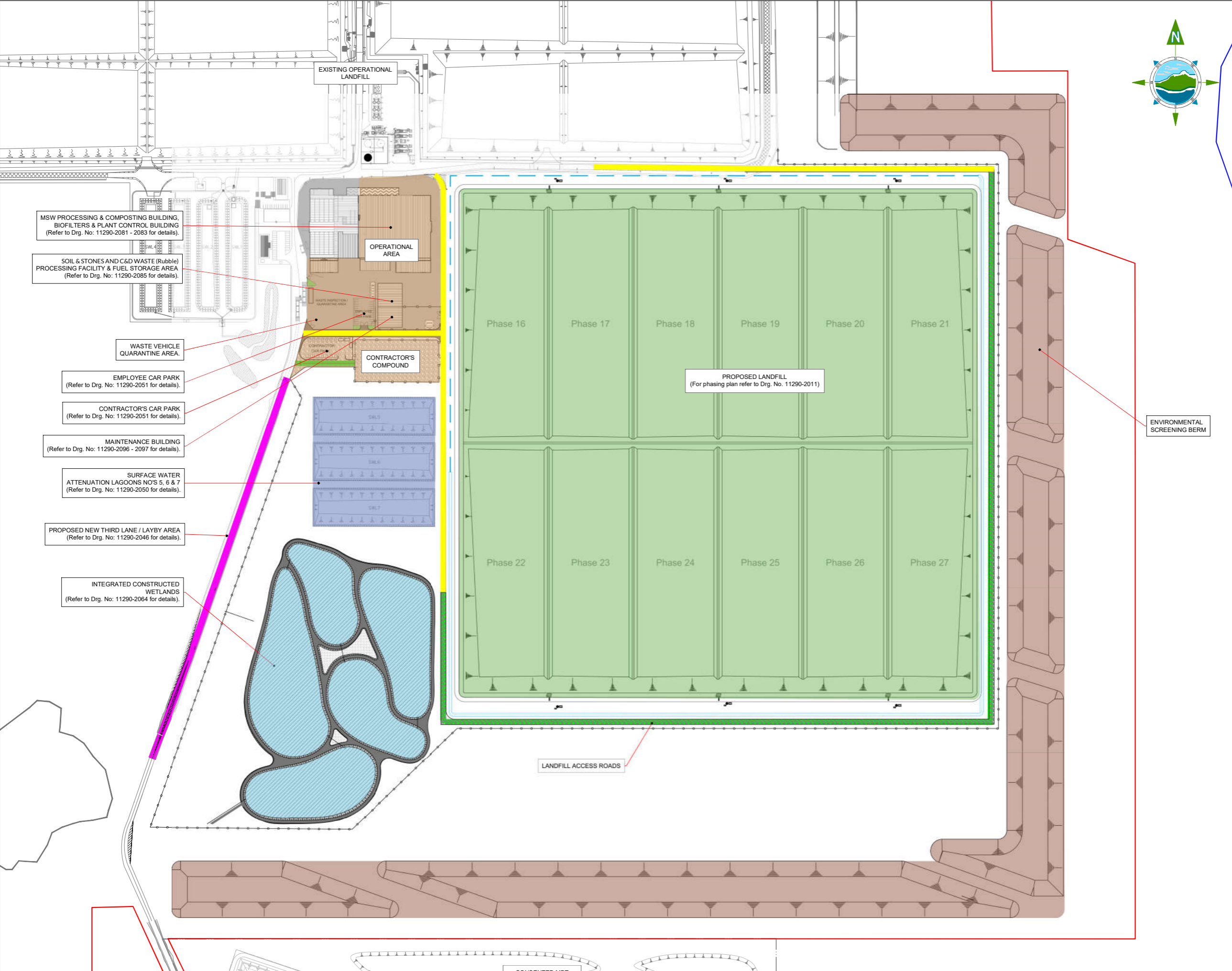
Project:
DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:
PROPOSED LANDFILL CROSS SECTIONS

Scale @ A1: 1:2,000
Prepared by: M. Nolan
Checked: R. Hunt
Date: November 22
Project Director: S. Tinnelly
Drawing Status: Planning

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Revision: A



GENERAL LEGEND			
BORD NA MÓNA OWNERSHIP BOUNDARY		APPLICATION BOUNDARY	
PROPOSED WORKS		EXISTING WORKS	
PROPOSED CONCR. HARDSTAND		PROPOSED GRAVEL SURFACE	
EXISTING FACILITY		PROPOSED LANDFILL EXTENTS	
PRP CONTRACTOR'S AREA		PRP SETTLEMENT LAGOONS	
PRP ENGINEERED WETLANDS		PROPOSED SCREENING BERM	
EXISTING SURFACED TRACK		EXISTING UNSURFACED HAUL ROAD	
PROPOSED SURFACED HAUL ROAD		PROPOSED UNSURFACED HAUL ROAD	
PROPOSED BITUMEN SURFACED ADDITIONAL LANE			

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40m	0m	40m	80m	160m
A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:

PROPOSED ROADS KEY PLAN

Scale @ A1: 1:2,000

Prepared by:	Checked:	Date:
M. Nolan	R. Hunt	November 22

Project Director:	S. Tinnelly
Drawing Status:	Planning

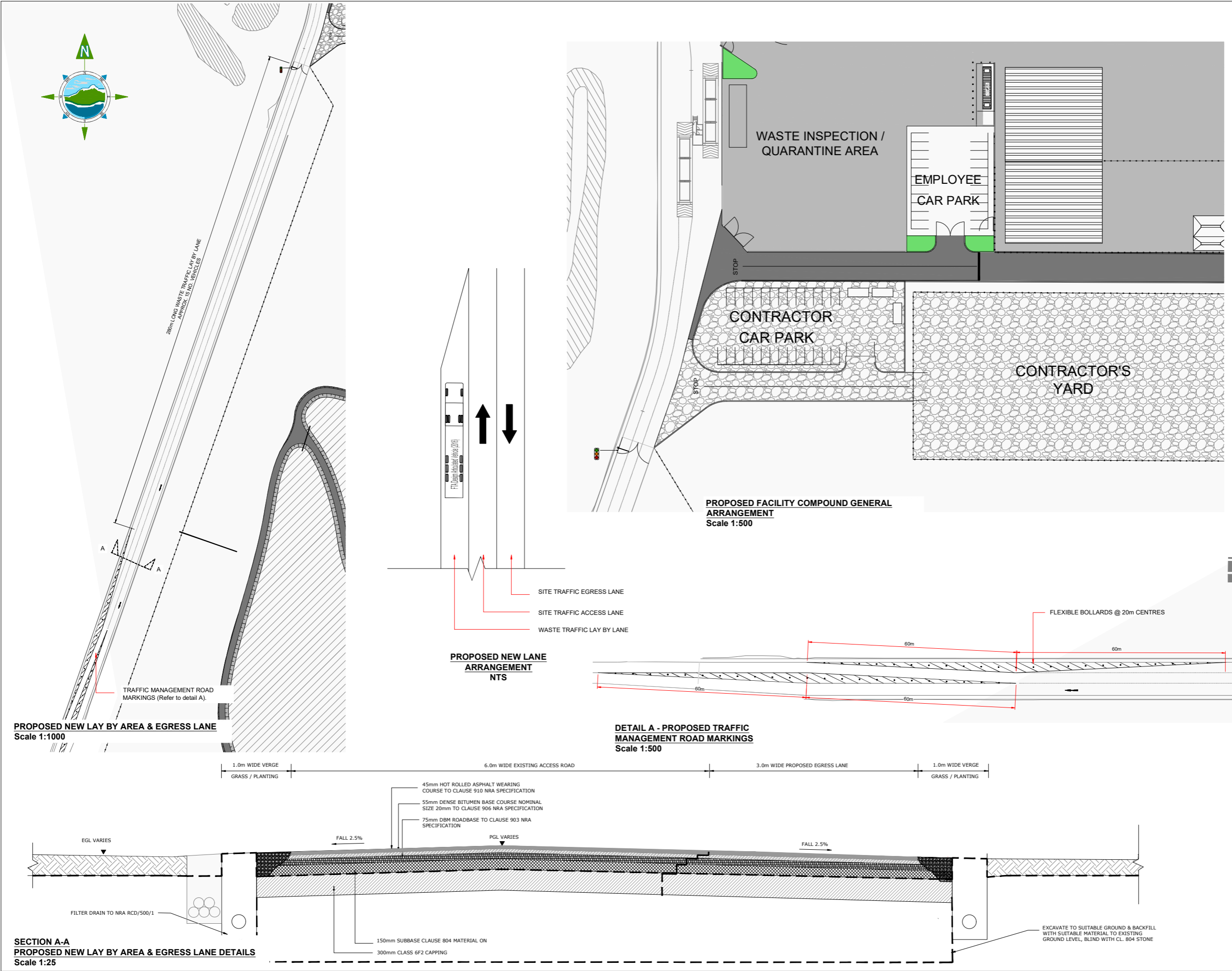
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Revision: A



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Rev	Date	Description	By	Chkd.
A	26.04.23	PLANNING ISSUE	MN	RH

Client:
Bord na Móna

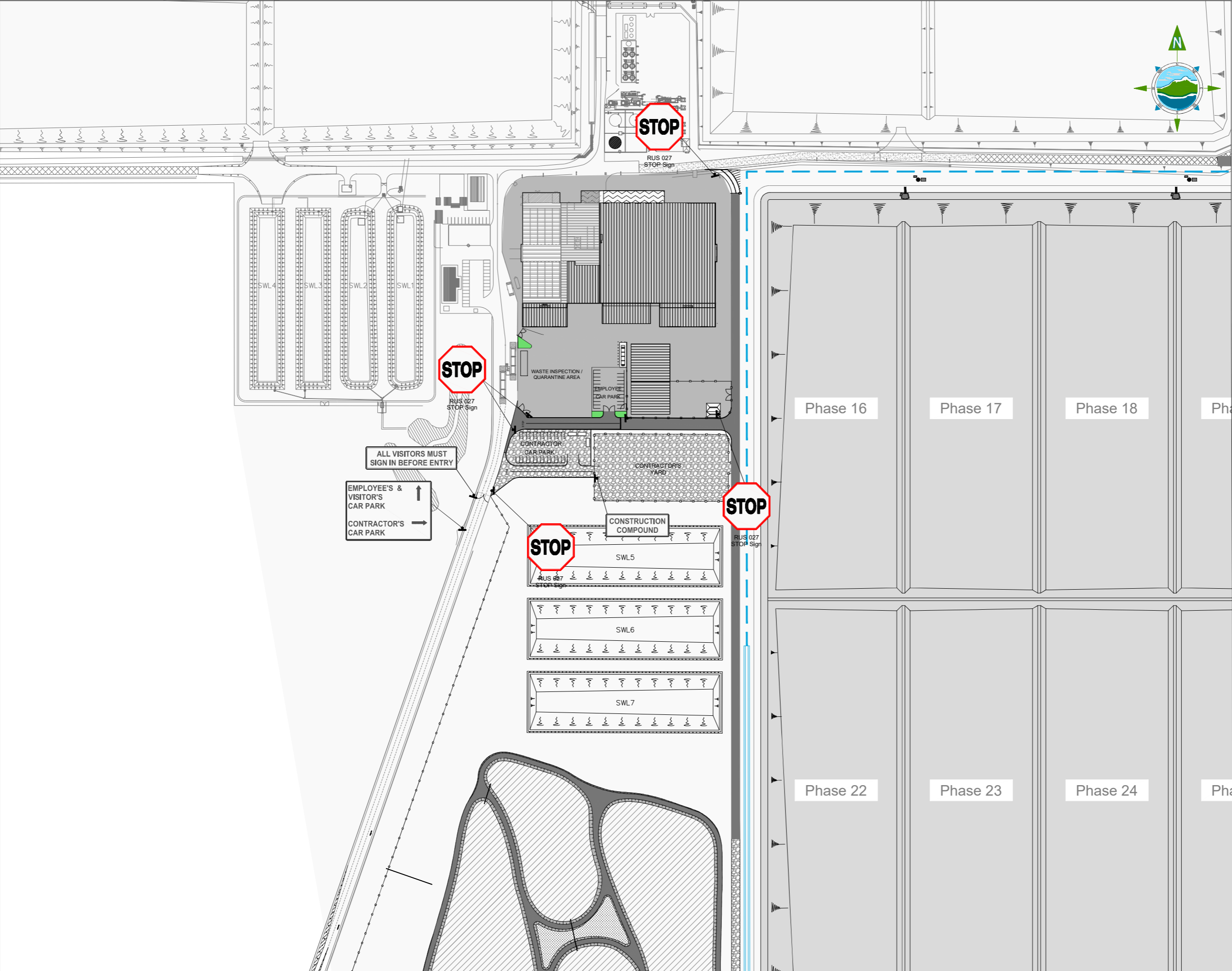
Project:
DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:
PROPOSED WASTE TRAFFIC
LAYBY & NEW SITE
EGRESS LANE

Scale @ A1: As Shown
Prepared by: M. Nolan
Checked: R. Hunt
Date: October 22
Project Director: S. Tinnelly
Drawing Status: Planning

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Drawing No.: 11290-2046
Revision: A



A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:

ROAD MARKINGS &
SIGNAGE

Scale @ A1: 1:1,250

Prepared by:	Checked:	Date:
M. Nolan	R. Hunt	October 22

Project Director:	S. Tinnelly
Drawing Status:	Planning

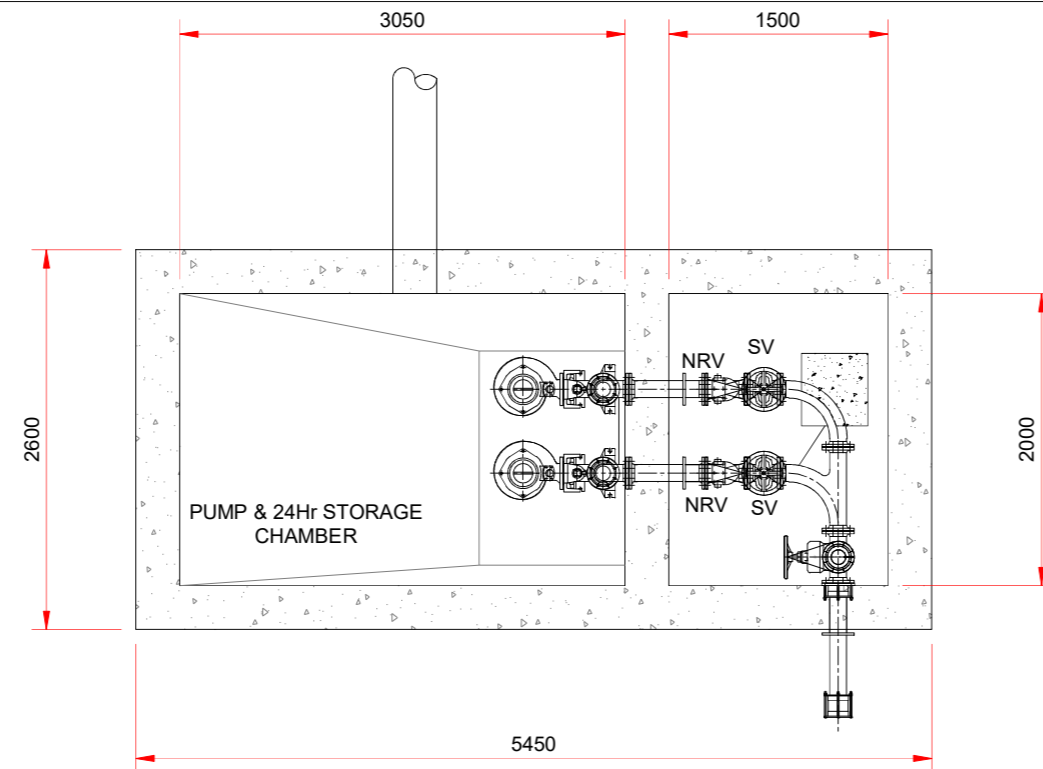
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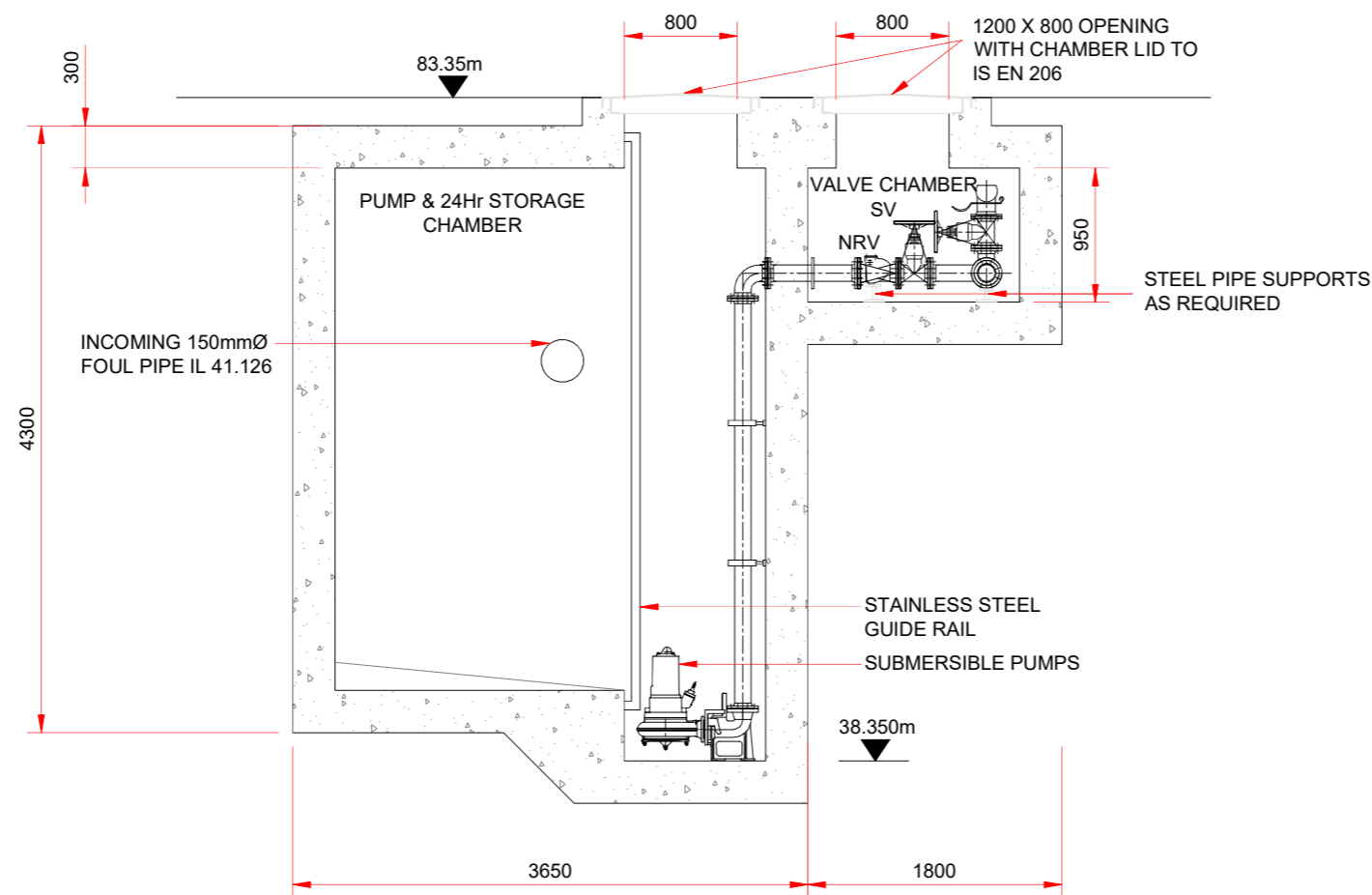
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Drawing No.: 11290-2047

Revision:
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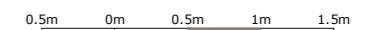
FOUL PUMPING STATION - PLAN



FOUL PUMPING STATION - ELEVATION

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5. ALL LEVELS SHOWN RELATE TO ORDINANCE SURVEY DATUM AT MALIN HEAD



A	26.04.23	PLANNING ISSUE	PF	RH
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:

FOUL WATER
PUMP STATION DETAILS

Scale @ A1: 1:25

Prepared by: P. Fanning Checked: R. Hunt Date: December 22

Project Director: S. Tinnelly

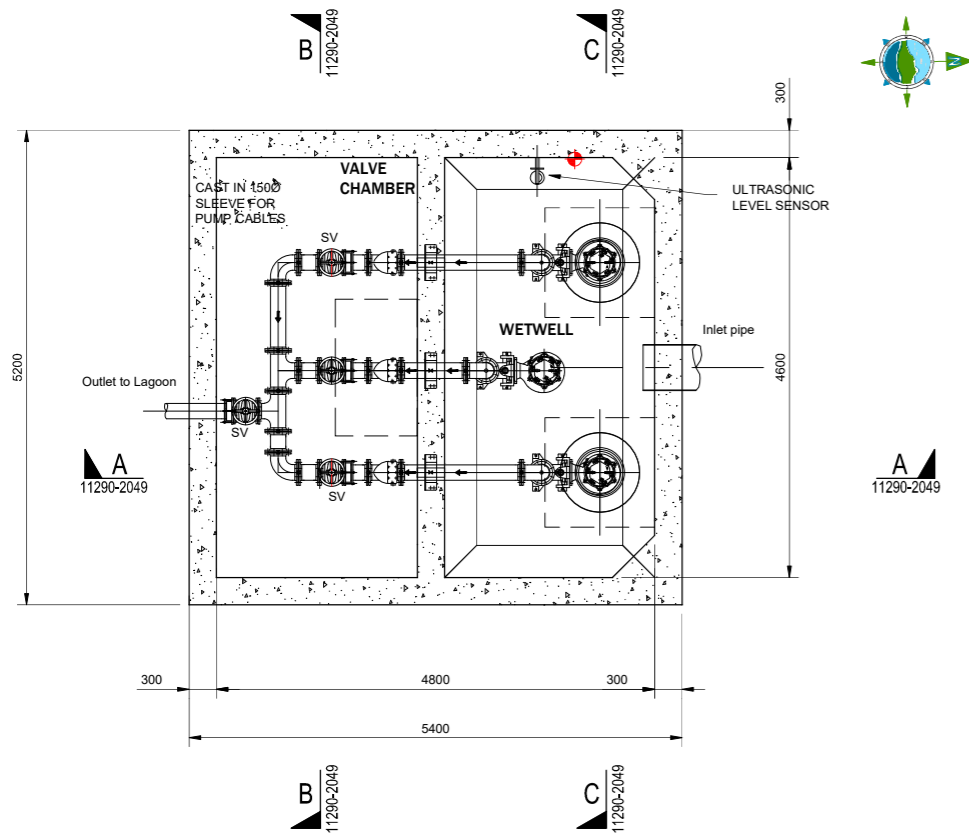
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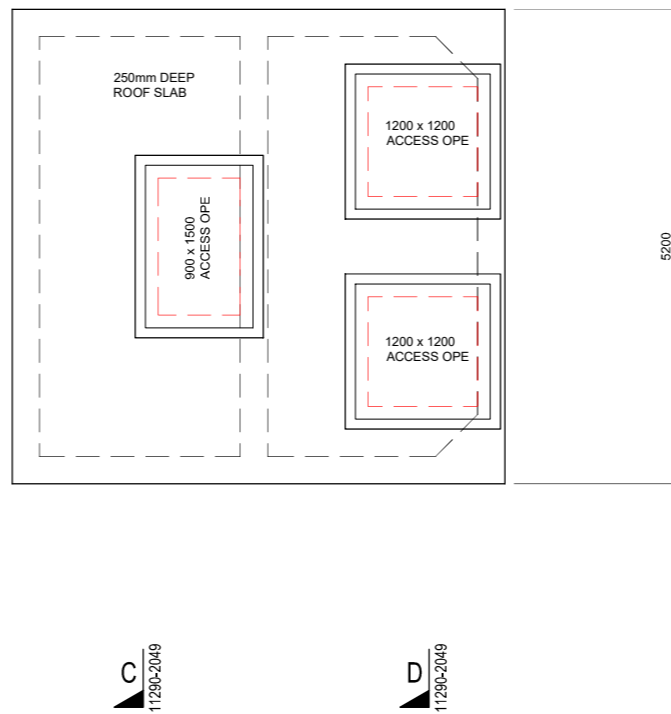
Drawing No.: 11290-2048 Revision: A



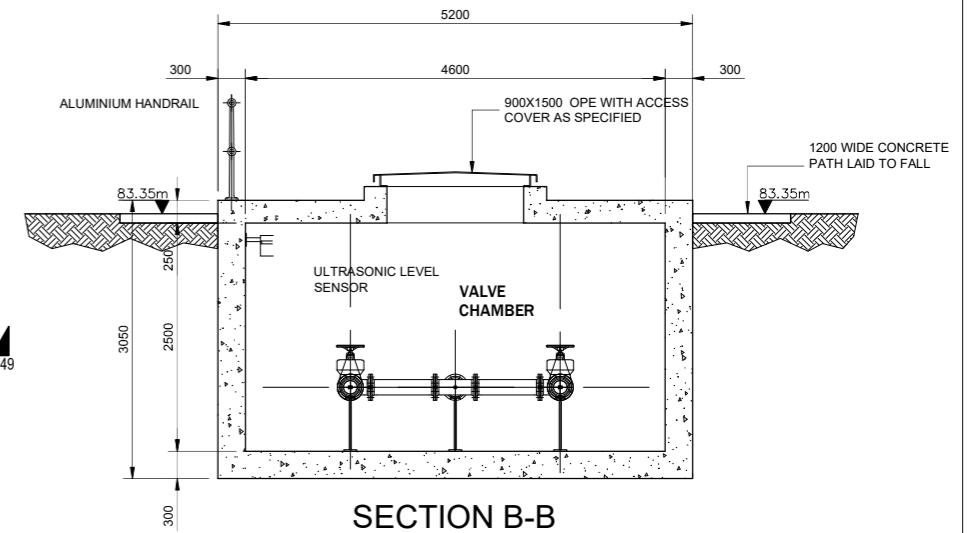
PUMPING STATION (underground) - PLAN

ALL ACCESS COVERS TO BE GALVANISED MILD STEEL CHEQUER PLATE DOUBLE SEAL GAS ASSISTED COVERS WITH SAFETY GRID AND SECURITY LOCKING

1600X1200 CLEAR OPE ROOF LIGHT OVER



PLAN ON PRESSURE VESSEL CHAMBER & PUMPING STATION ROOF



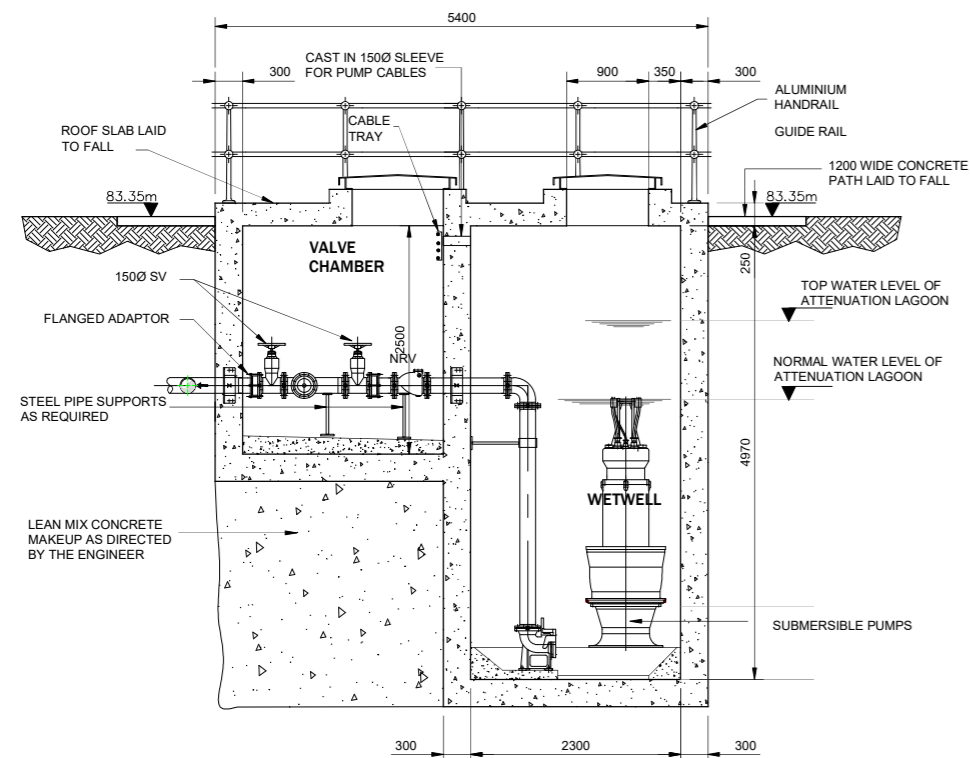
SECTION B-B

NOTES:

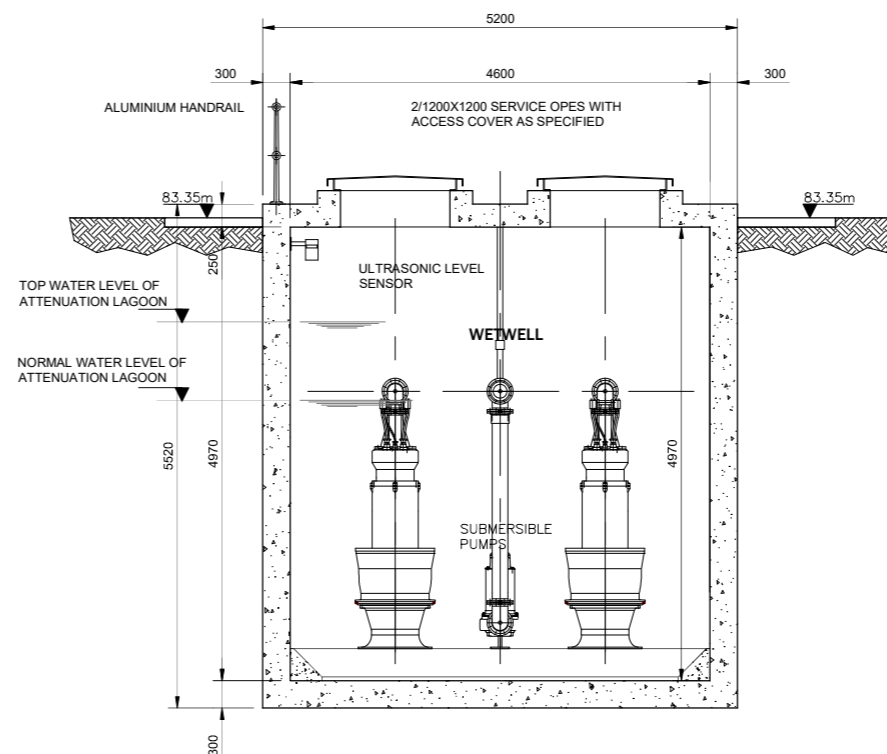
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0.8m 0m 0.8m 1.6m 2.4m

Rev	Date	Description	By	Chkd.
A	26.04.23	PLANNING ISSUE	PF	RH



SECTION A-A



SECTION C-C

Client:

Bord na Móna

Project:

DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:

SURFACE WATER PUMP STATION DETAILS

Scale @ A1:

1:40

Prepared by:

P. Fanning

Checked:

R. Hunt

Date:

November 22

Project Director:

S. Tinnelly

Drawing Status:

Planning

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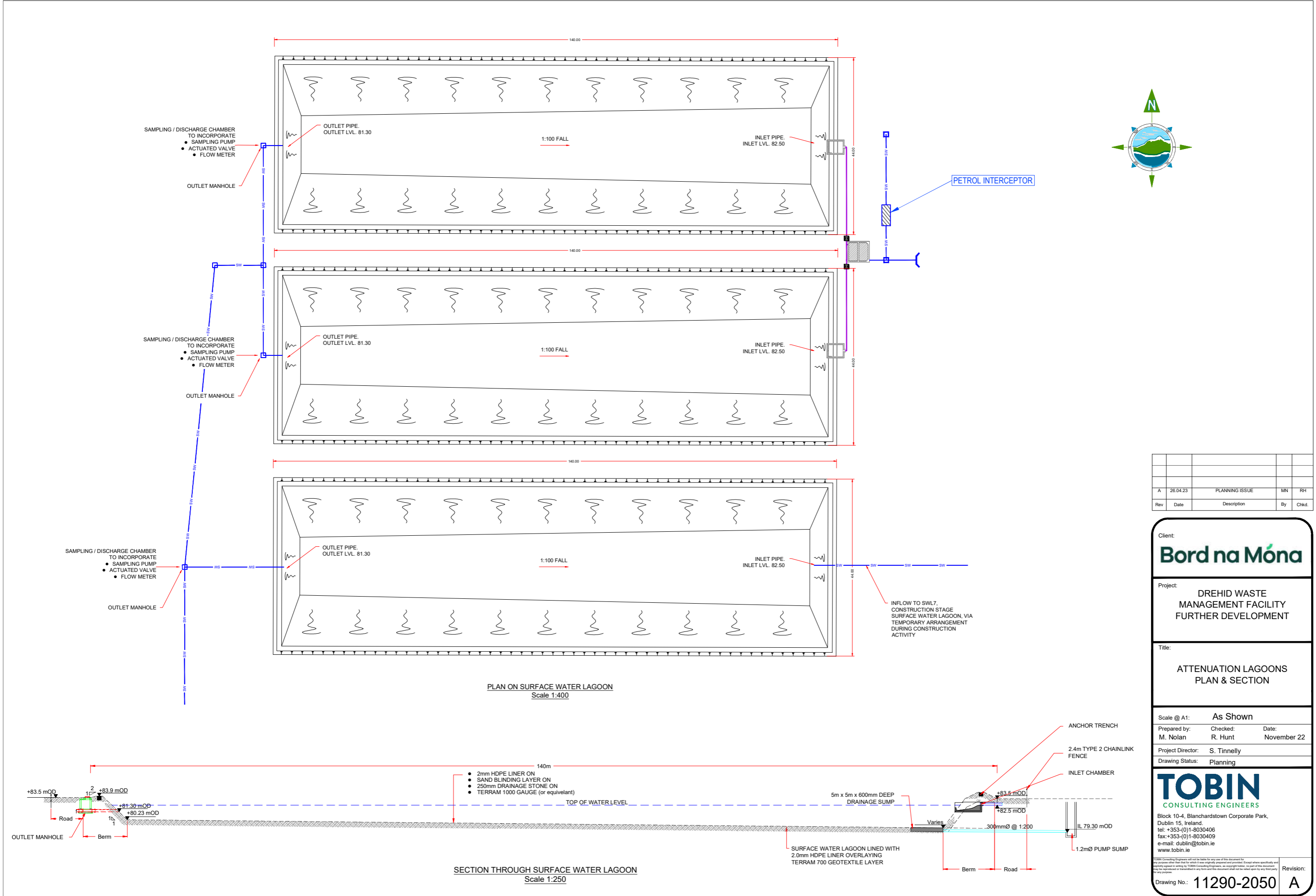
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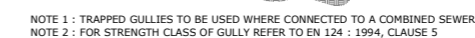
Revision:

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5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

A	26.04.23	PLANNING ISSUE	MN	R
Rev	Date	Description	By	Chk

Bord na Móna

Project: DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

CAR PARK & ROAD CONSTRUCTION DETAILS

Prepared by:	Checked:	Date:
M. Nolan	R. Hunt	November 22

Drawing Status:	Planning
-----------------	----------

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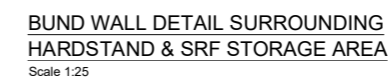
Drawing No.: 11290-2051 A

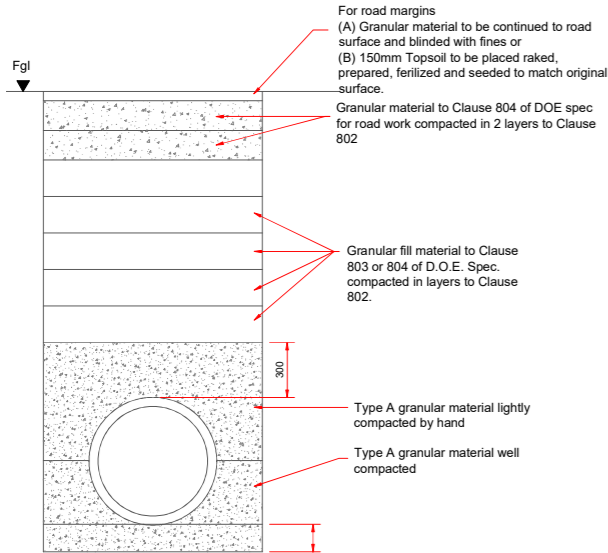


EDGE RESTRAINT DETAILS
SCALE 1:10



SCALE 1:10

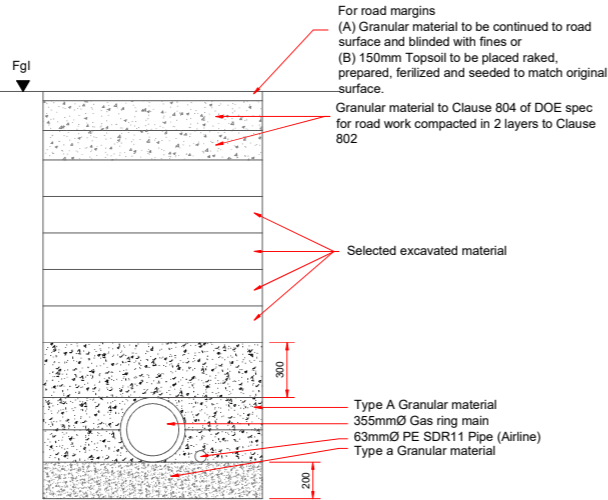




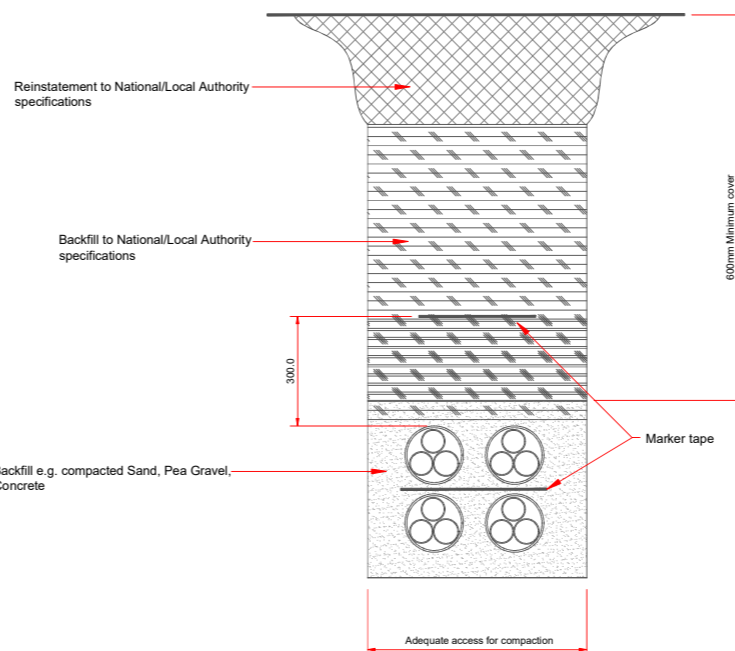
NOTE
 *Y=150 for pipes up to 300Ø
 *Y=200 for pipes from 375Ø to 1200Ø
 In rock or mixed soils containing boulders or hard spots dimension
 *Y shall be increased by 100

TRENCH IN ROAD AND ROAD MARGINS

1:20

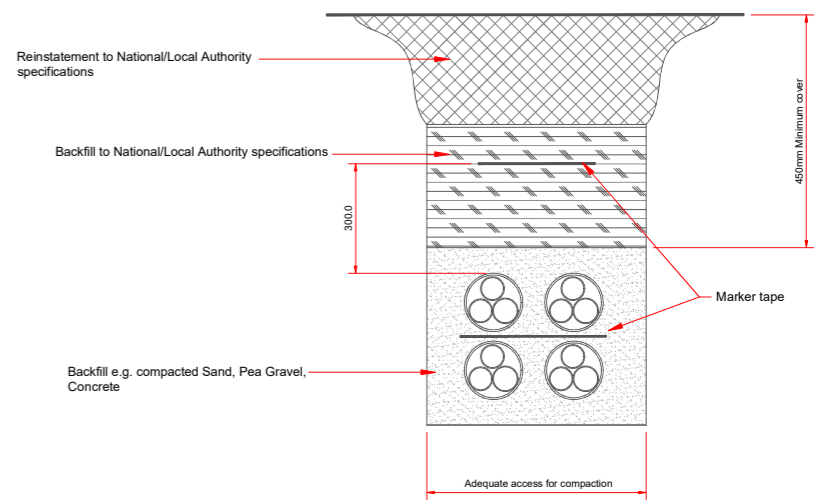


TRENCH FOR GAS RING MAIN



TRENCH IN ACCESS ROAD/ADMINISTRATION AREA

SCALE 1:10



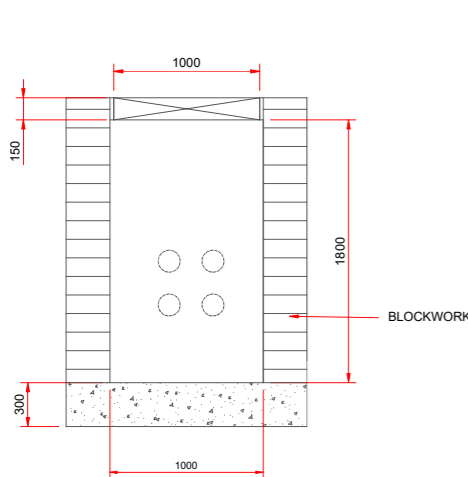
TRENCH IN FOOTWAYS, PAVEMENTS, VERGES

SCALE 1:10

NOTES:

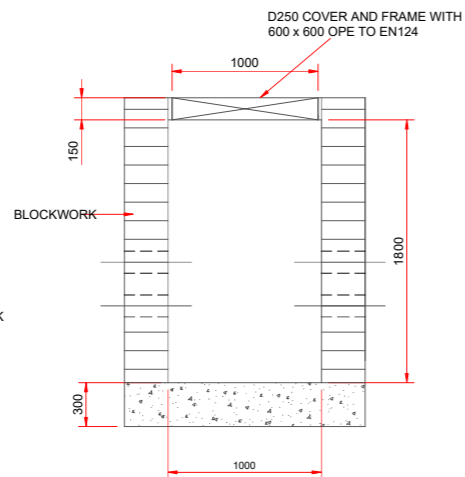
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A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.



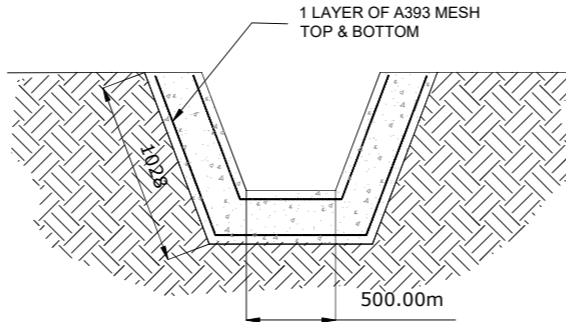
SECTION 1-1 THROUGH BLOCKWORK DUCT CHAMBER

SCALE 1:25

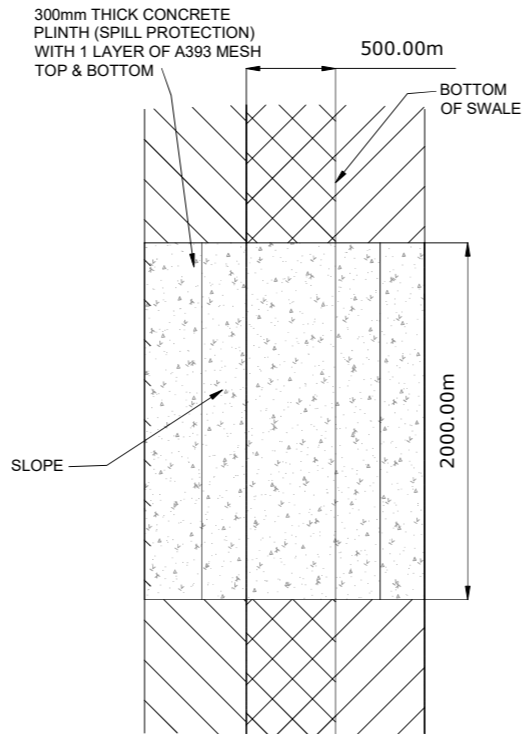


SECTION 2-2 THROUGH BLOCKWORK DUCT CHAMBER

SCALE 1:25

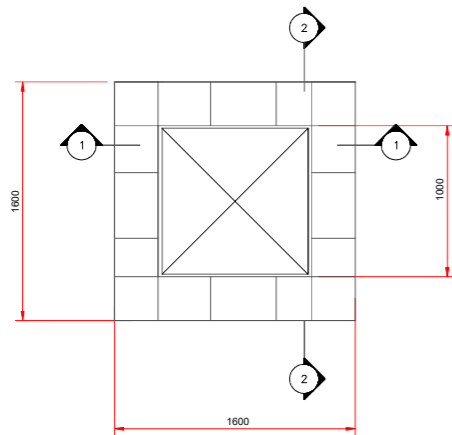


SECTION THROUGH SWALE CONCRETE PLINTH



PLAN OF SWALE CONCRETE PLINTH

SCALE 1:20



PLAN ON BLOCKWORK DUCT CHAMBER

SCALE 1:25

Client:

Bord na Móna

Project:

DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:

TRENCH BEDDING & SWALE DETAILS

Scale @ A1:

As Shown

Prepared by:

M. Nolan

Checked:

R. Hunt

Date:

November 22

Project Director:

S. Tinnelly

Drawing Status:

Planning

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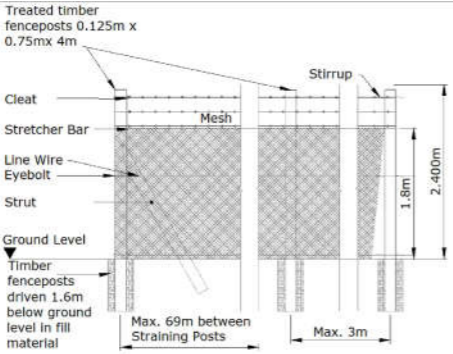
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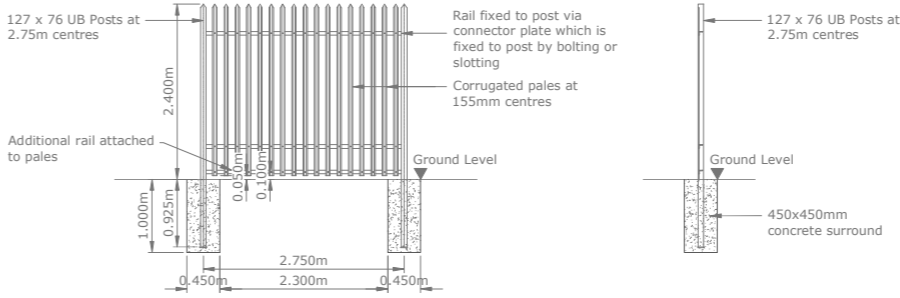
Drawing No.: **11290-2054**

Revision:

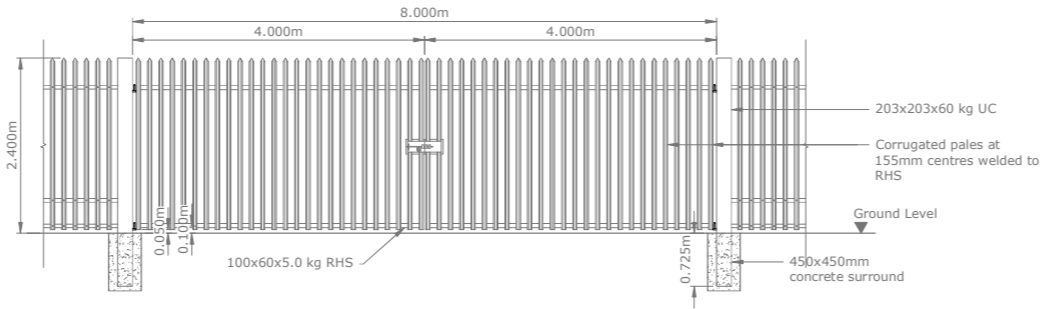
A



CHAINLINK TIMBER POST FENCE

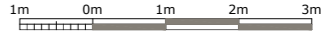


ARRANGEMENT FOR STEEL
PALISADE/PALLIDINE FENCE



ARRANGEMENT FOR STEEL PALISADE/PALLIDINE GATE

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A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:

FENCING DETAILS

Scale @ A1:

1:50

Prepared by:

M. Nolan

Checked:

R. Hunt

Date:

November 22

Project Director:

S. Tinnelly

Drawing Status:

Planning

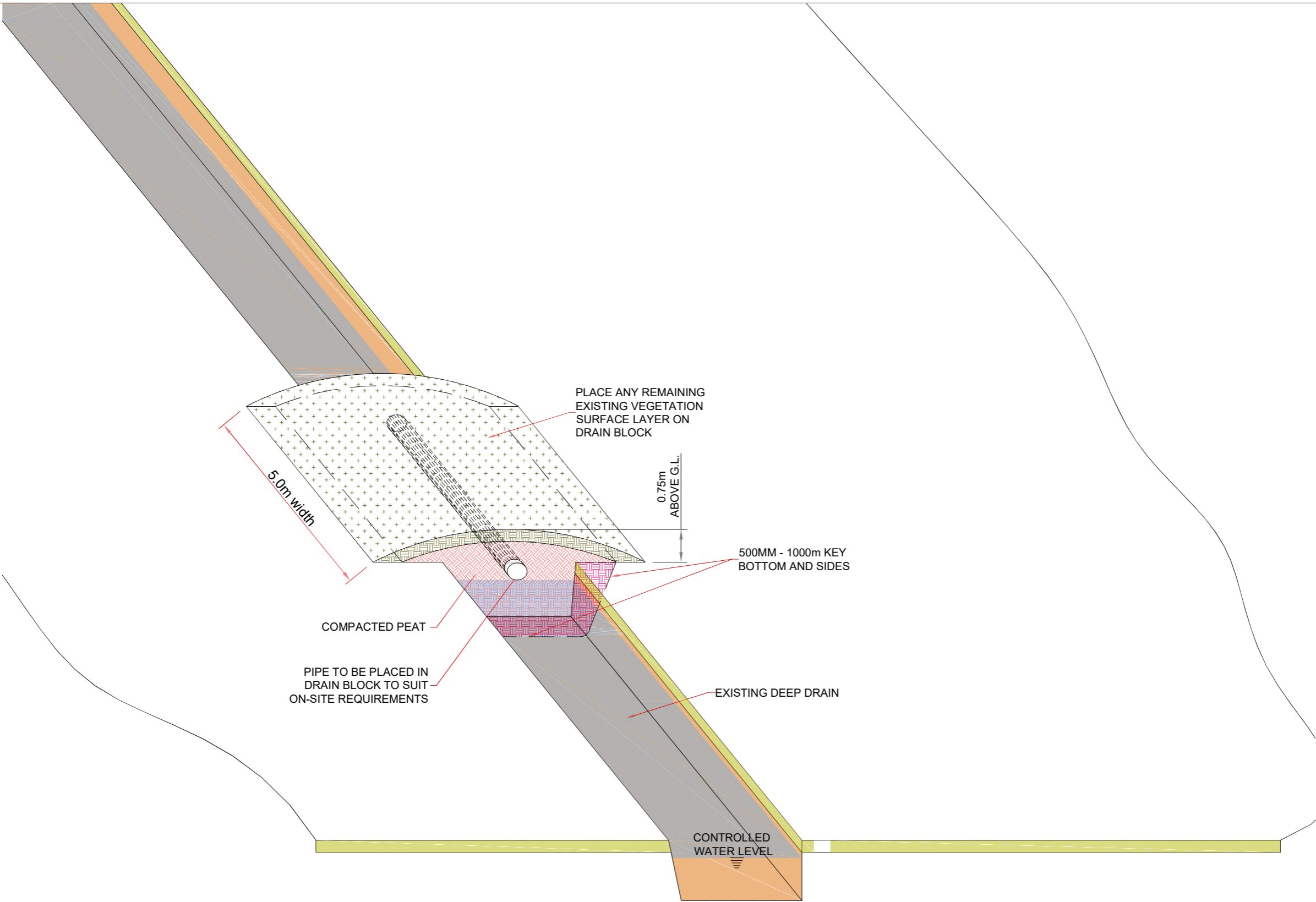
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Drawing No.: 11290-2057

Revision:
A



PROPOSED PIPE CONTROL DAM
DEEP DRAIN BLOCK WHERE
PIPE INSTALLED TO CONTROL
WATER LEVEL

A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:

PROPOSED PIPE CONTROL DAM
DETAILS

Scale @ A1:

1:50

Prepared by:

M. Nolan

Checked:

R. Hunt

Date:

November 22

Project Director:

S. Tinnelly

Drawing Status:

Planning

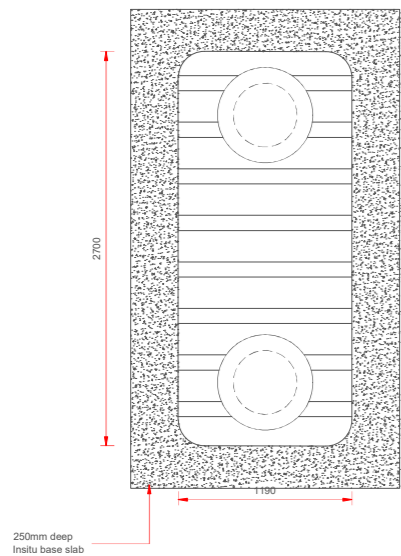
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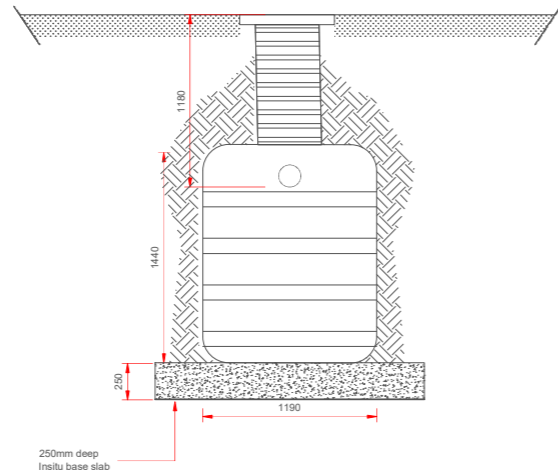
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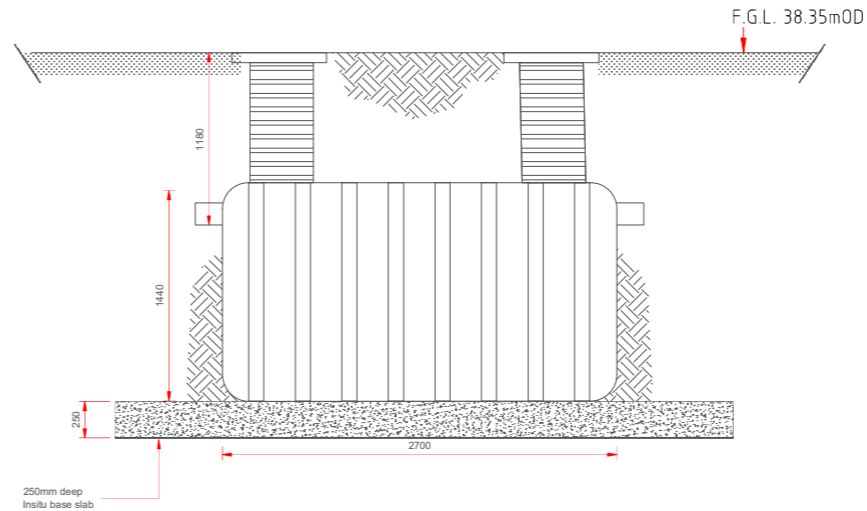
Revision:
A



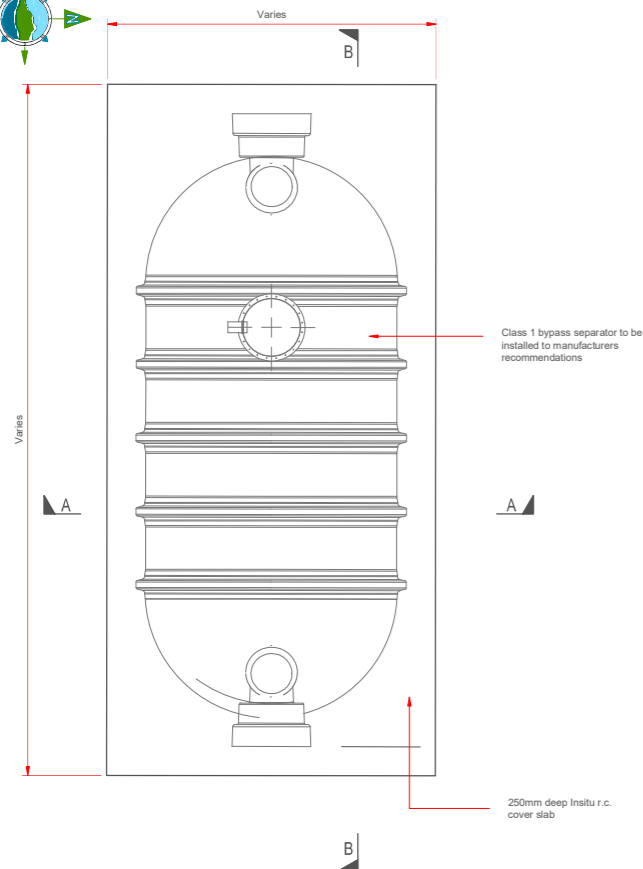
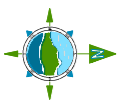
PRIMARY TREATMENT TANK
- PLAN
Scale 1:25



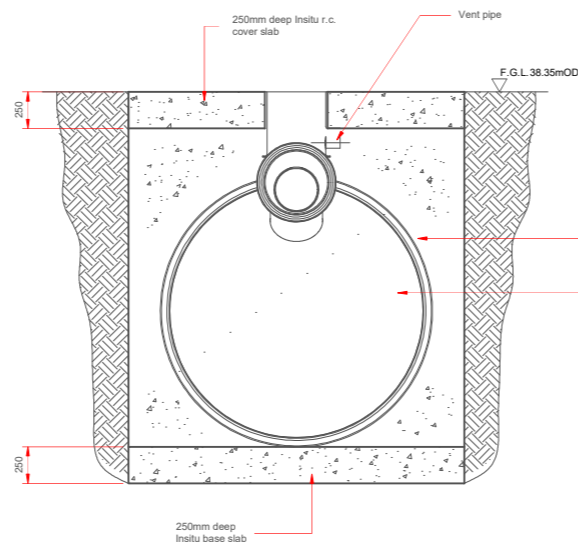
SECTION A-A
Scale 1:25



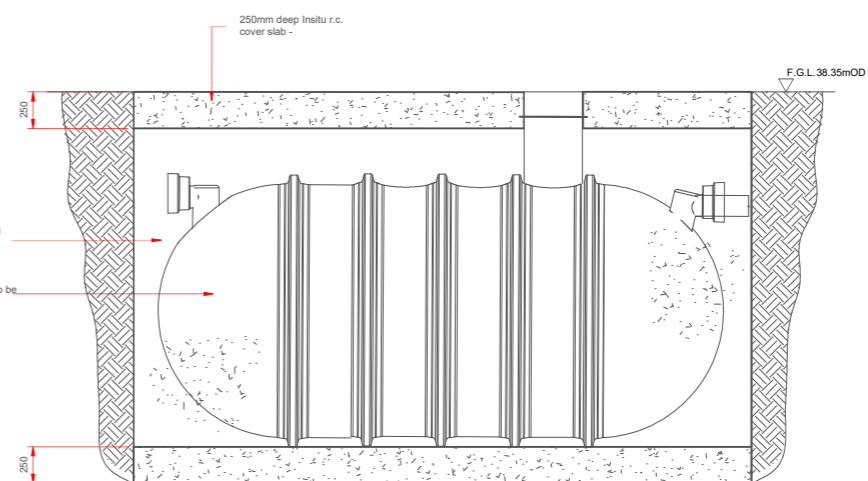
SECTION B-B
Scale 1:25



OIL INTERCEPTOR - PLAN
Scale 1:25



SECTION A-A
Scale 1:25



SECTION B-B
Scale 1:25

0.5m	0m	0.5m	1m	1.5m
A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:
Bord na Móna

Project:
DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:
PRIMARY TREATMENT TANK & OIL INTERCEPTOR DETAILS

Scale @ A1: 1:25

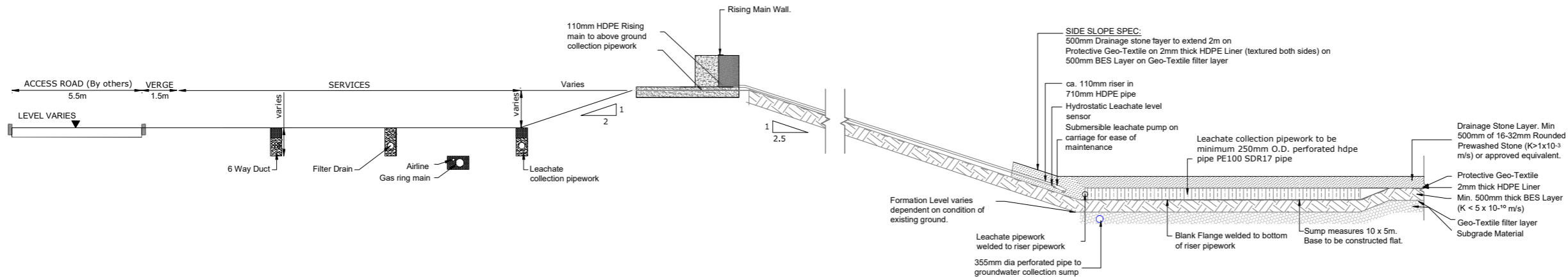
Prepared by: M. Nolan
Checked: R. Hunt
Date: November 22

Project Director: S. Tinnelly

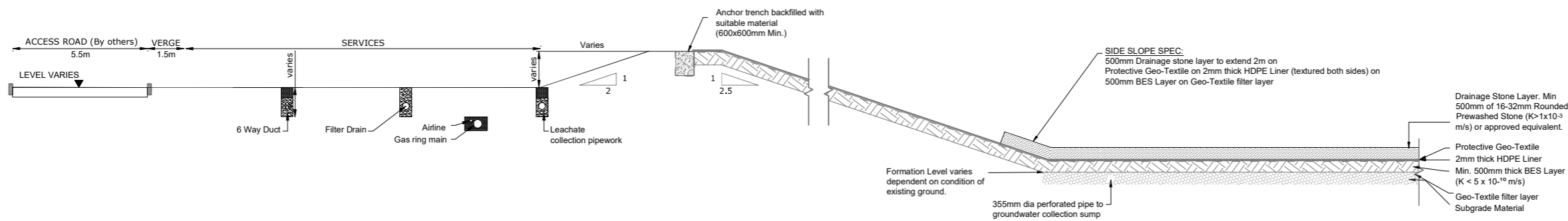
Drawing Status: Planning

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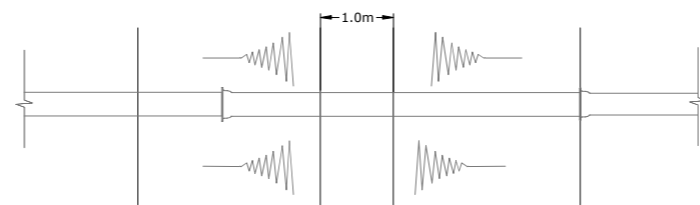
Drawing No.: 11290-2059
Revision: A



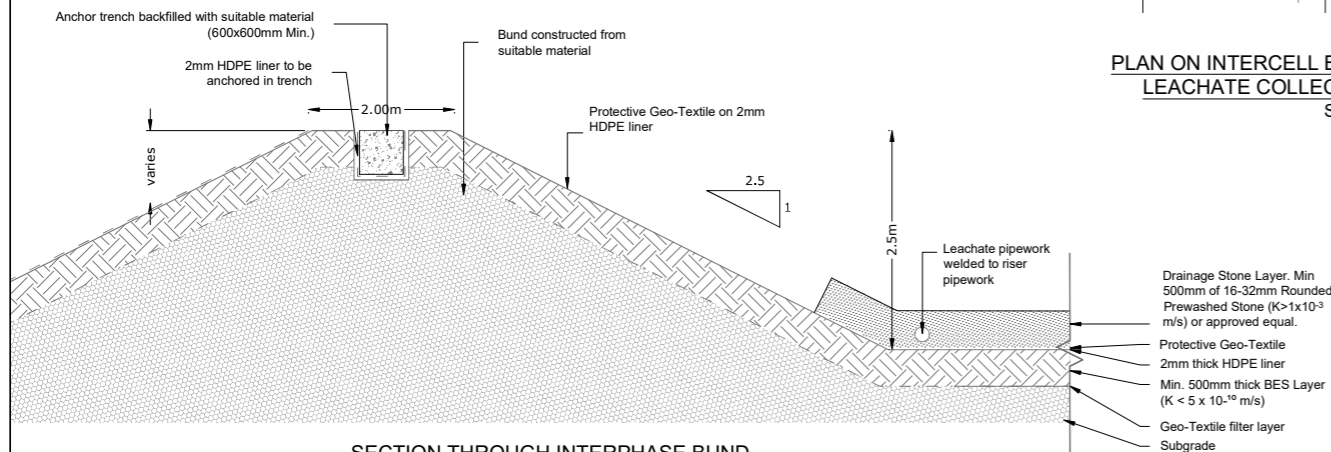
SECTION THROUGH LEACHATE SUMP AND UPSLOPE RISER



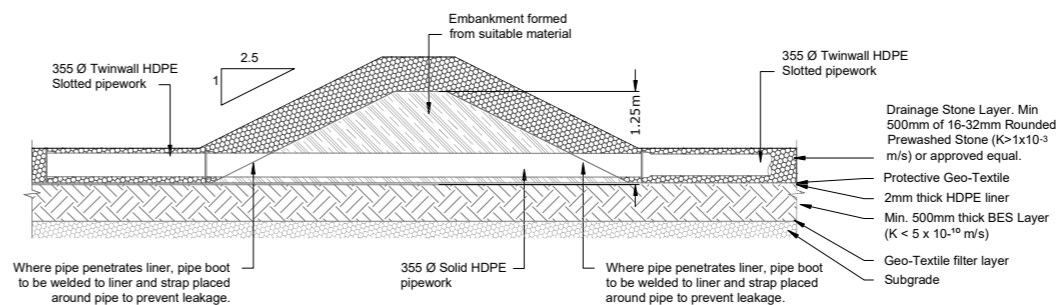
SECTION THROUGH BERM



PLAN ON INTERCELL BUND AT LOCATIONS WHERE LEACHATE COLLECTION PIPEWORK PASSES
Scale 1:50



SECTION THROUGH INTERPHASE BUND
Scale 1:50



SECTION THROUGH INTERCELL BUND AT LOCATIONS WHERE LEACHATE COLLECTION PIPEWORK PASSES
Scale 1:50

NOTES:

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Rev	Date	Description	By	Chkd.
A	26.04.23	PLANNING ISSUE	MN	RH

Client:

Bord na Móna

Project:

**DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT**

Title:

**EMBANKMENT &
LINER DETAILS**

Scale @ A1: 1:100 or As Shown

Prepared by: M. Nolan
Checked: R. Hunt
Date: November 22

Project Director: S. Tinnelly

Drawing Status: Planning

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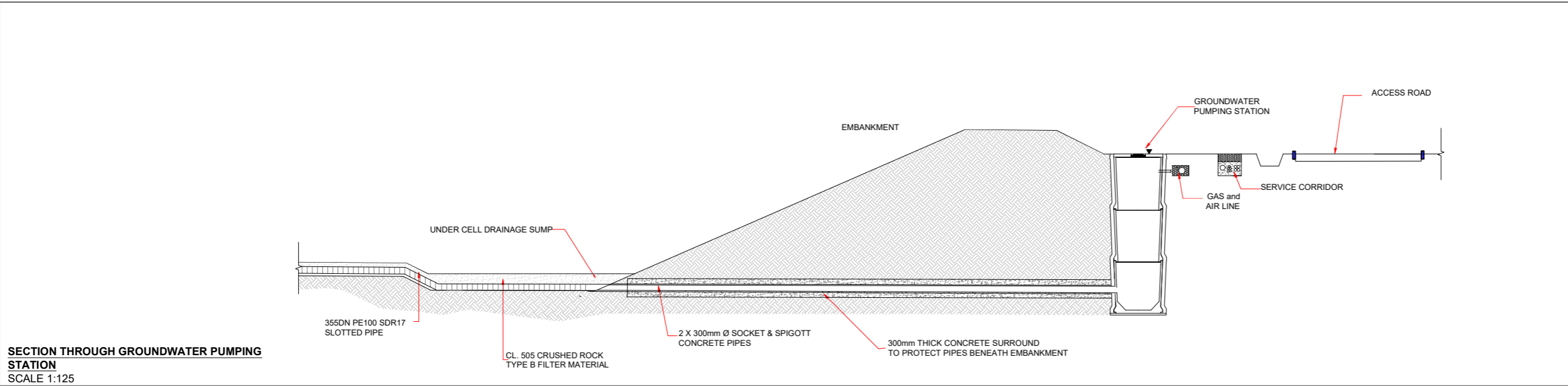
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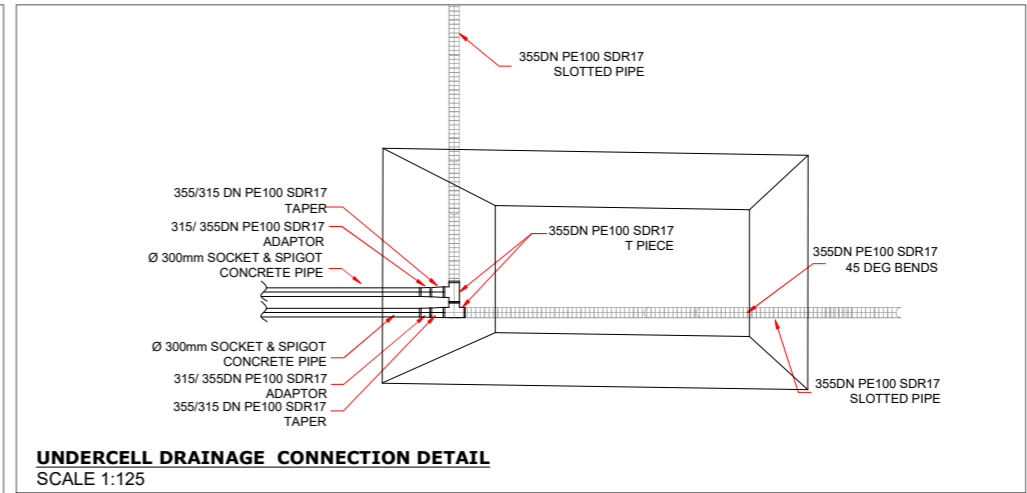
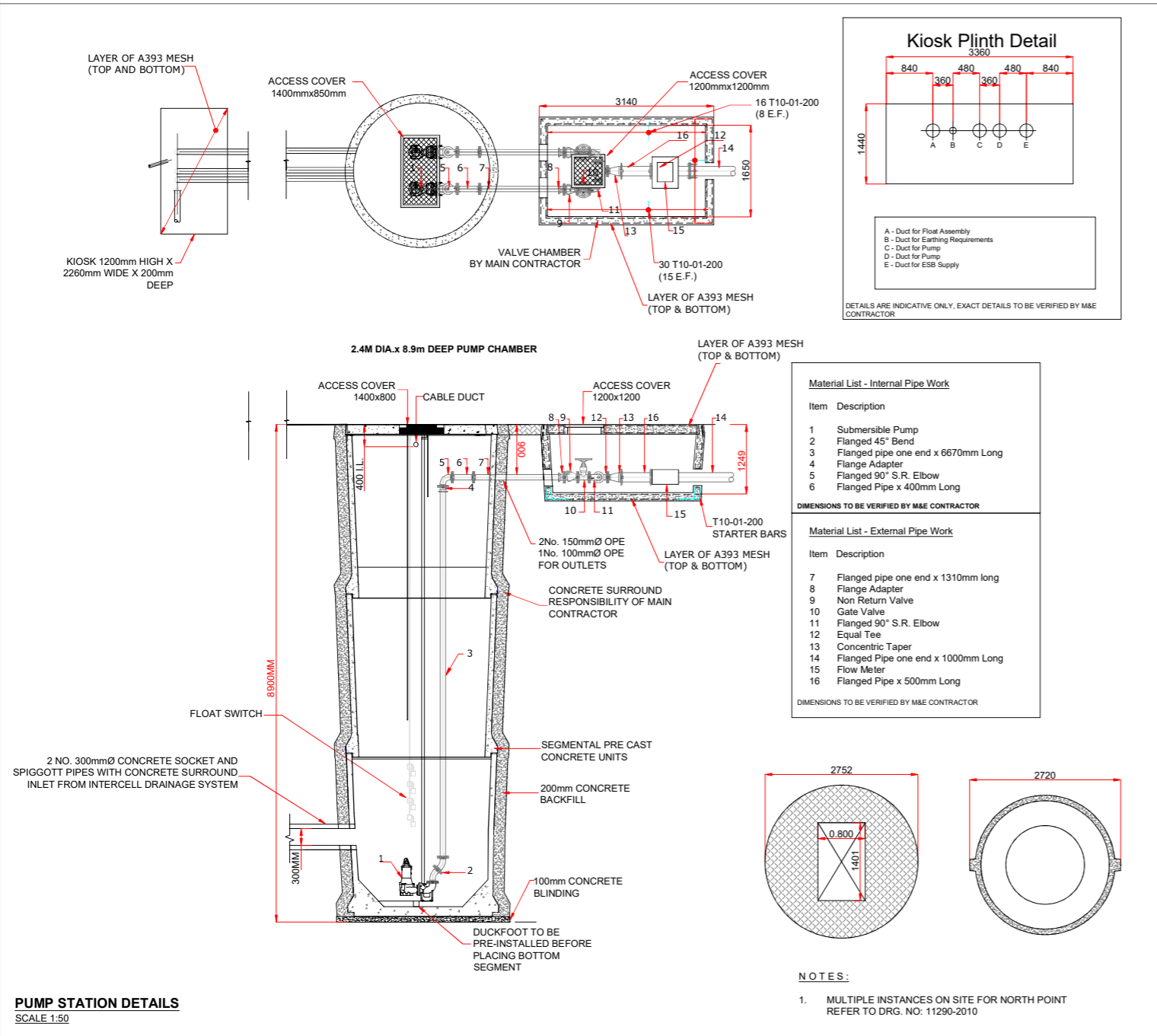
Drawing No.: 11290-2060

Revision:

A



SECTION THROUGH GROUNDWATER PUMPING STATION
SCALE 1:125



- NOTES:**
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A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:
Bord na Móna

Project:
DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:
GROUNDWATER PUMP STATION DETAILS

Scale @ A1: **As Shown**

Prepared by: **M. Nolan** Checked: **R. Hunt** Date: **November 22**

Project Director: **S. Tinnelly**

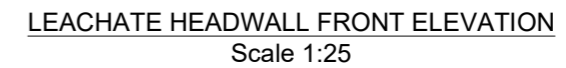
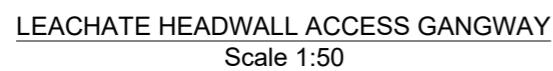
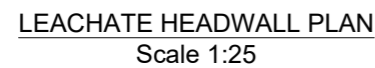
Drawing Status: **Planning**

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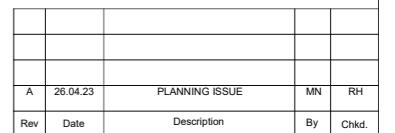
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Drawing No.: **11290-2061** Revision: **A**

1. MULTIPLE INSTANCES ON SITE FOR NORTH POINT
REFER TO DRG. NO: 11290-2010



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5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD



Bord na Móna

DREHID WASTE
MANAGEMENT FACILITY
LANDFILL EXTENSION
PLANNING APPLICATION

LEACHATE HEADWALL DETAILS

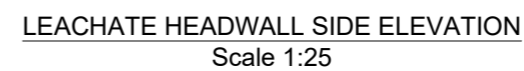
Prepared by:	Checked:	Date:
M. Nolan	R. Hunt	November 22

Drawing Status:	Planning
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Drawing No.: 11290-2062



A)



Waste Cap Type '1'

- 150mm Topsoil for dressing on
- 850mm Subsoil on
- Geosynthetic drainage layer on
- 1.5mm Thick LLDPE liner on
- Geosynthetic Gas collection layer

Leachate Return Drain

Anchor trench backfilled with suitable material (600x600mm Min.)

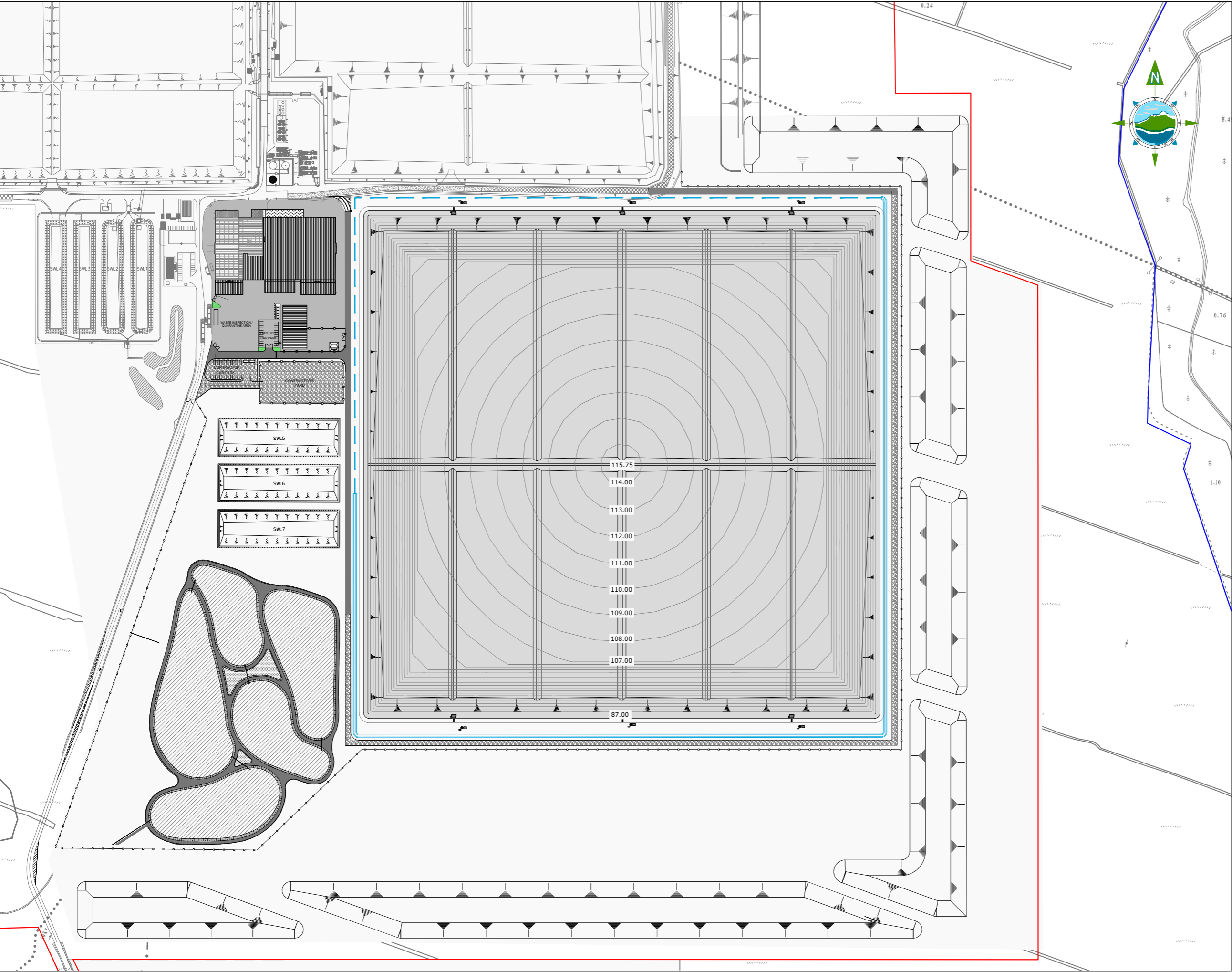
1.5mm Thick LLDPE liner to be welded to liner in anchor trench

Waste Body

The diagram illustrates a cross-section of a landfill cell. The waste body is on the right, sloping downwards to the left. Above the waste body is a series of layers: a 1.5mm thick LLDPE liner, a geosynthetic gas collection layer, a 1.5mm thick LLDPE liner, a geosynthetic drainage layer, an 850mm subsoil layer, and a 150mm topsoil layer for dressing. A leachate return drain is shown as a pipe with a circular access point, connected to a trench. An anchor trench is shown as a rectangular pit filled with suitable material, used to secure the LLDPE liner. Slope indicators (1 horizontal to 3 vertical) are shown at various points along the waste body and the cap layers.

Drawing No.: 11290-2063





GENERAL LEGEND
BORD NA MÓNA
OWNERSHIP BOUNDARY
EXISTING MAJOR
CONTOUR
PROPOSED FINAL CAP
CONTOUR

APPLICATION
BOUNDARY

EXISTING MINOR
CONTOUR

EMBANKMENT

86.00

86.25

98.00

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OSI 1:5,000 SERIES SHEET NO'S:
3187, 3188, 3253, 3254, 3318, 3319, 3381, 3382.

Rev	Date	Description	By	Chkd.
A	26.04.23	PLANNING ISSUE	MN	RH

Bord na Móna

Project:
**DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT**

Title:
**LANDFILL CAP
FINAL RESTORATION LEVELS**

Scale @ A1: **1:2,000**

Prepared by:	Checked:	Date:
M. Nolan	R. Hunt	October 22

Project Director: S. Tinnelly

Drawing Status: Planning

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Drawing No.: **11290-2070**

Revision: **A**



INTEGRATED CONSTRUCTED WETLAND
Native wetland emergent species such as greater pond sedge, reed sweet-grass, bulrush, common clubrush and yellow flag iris will be planted within the wetlands. Refer to Vesi drawing for detail.



INTEGRATED CONSTRUCTED WETLAND
Native trees and shrubs such as alder, buckthorn, willow, alder and birch will be planted around the ICW.

PROPOSED INFILL
Infill to be topsoiled and seeded with a grass and scrub mix.

PROPOSED SCRUB MIX
Infill to be topsoiled and seeded Pockets of scrub mix. Species mix to be finalised in conjunction with project ecologist.

BERM
Peat tolerant grass and shrub mix will be planted on the berms.

HABITAT ENHANCEMENT AREA
Area will be left undisturbed to allow natural colonisation. In addition, plant species will be planted to create new habitats such as fens, reed swamps, heath embryonic Sphagnum-rich vegetation and wet and birch woodland communities, where conditions are suitable.



Legend:

- PEATLAND TOLERANT GRASS AND SHRUB MIX
- PROPOSED SCRUB MIX
- HABITAT ENHANCEMENT AREA
- DRAIN BLOCKS
- SITE BOUNDARY
- SITE OWNERSHIP

Notes:

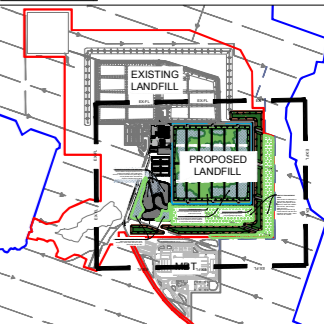
Woodland Planting Mix:
Woodland planting mix to comprise of High Canopy Dominants (<20%), Low-canopy: Sub-dominants (20-25%), Understorey and Fringe: High-Shrubs (20-40%) and Understorey and Edge: Lower-Shrubs (15-25%). Planting to be allowed to grow to reach maturity.

Species mix to be finalised in conjunction with the project ecologist. All species to be from certified native stock and preferably from an approved supplier of the Green, Low-Carbon, Agri Environment Scheme (GLAS).

WOODLAND MIX SPECIES:

Botanical name	Common name	Size	%
<i>Quercus robur</i>	Pedunculate Oak	Standard Form 100-120cm	<20%
<i>Pinus sylvestris</i>	Scots Pine	Standard Form 20-250cm	
<i>Alnus glutinosa</i>	Alder	Standard Form 20-250cm	20-25%
<i>Betula pubescens</i>	Downy Birch	Standard Form 20-250cm	
<i>Salix cinerea</i>	Grey Willow	1+1tr 90-120cm	20-40%
<i>Sorbus aucuparia</i>	Rowan	1+1tr 90-120cm	
<i>Ilex aquifolium</i>	Holly	1+1tr 90-120cm	15-25%
<i>Lonicera periclymenum</i>	Common honeysuckle	1+1tr 40-60cm	
<i>Vaccinium myrtillus</i>	Bilberry	1+1tr 40-60cm	
<i>Calluna vulgaris</i>	Ling	1+1tr 40-60cm	
<i>Erica Tetralix</i>	Heath	1+1tr 40-60cm	
<i>Myrica Gale</i>	Bay Myrtle	1+1tr 40-60cm	
<i>Corylus Avellana</i>	Hazel	1+1tr 40-60cm	
<i>Viburnum Opulus</i>	Guelder Rose	1+1tr 40-60cm	

SITE CONTEXT:



Prepared by:
MACRO WORKS,
HIBERNIA HOUSE,
CHERRYWOOD BUSINESS PARK,
LOUGHLINSTOWN, DUBLIN 18
00353 (01) 2303585
info@macroworks.ie

Site location:
CARBURY,
COUNTY KILDARE

Drawing Title:
LANDSCAPE PLAN

Project:
DREHID WASTE MANAGEMENT FACILITY
LANDFILL EXTENSION

Drawn by:
JD

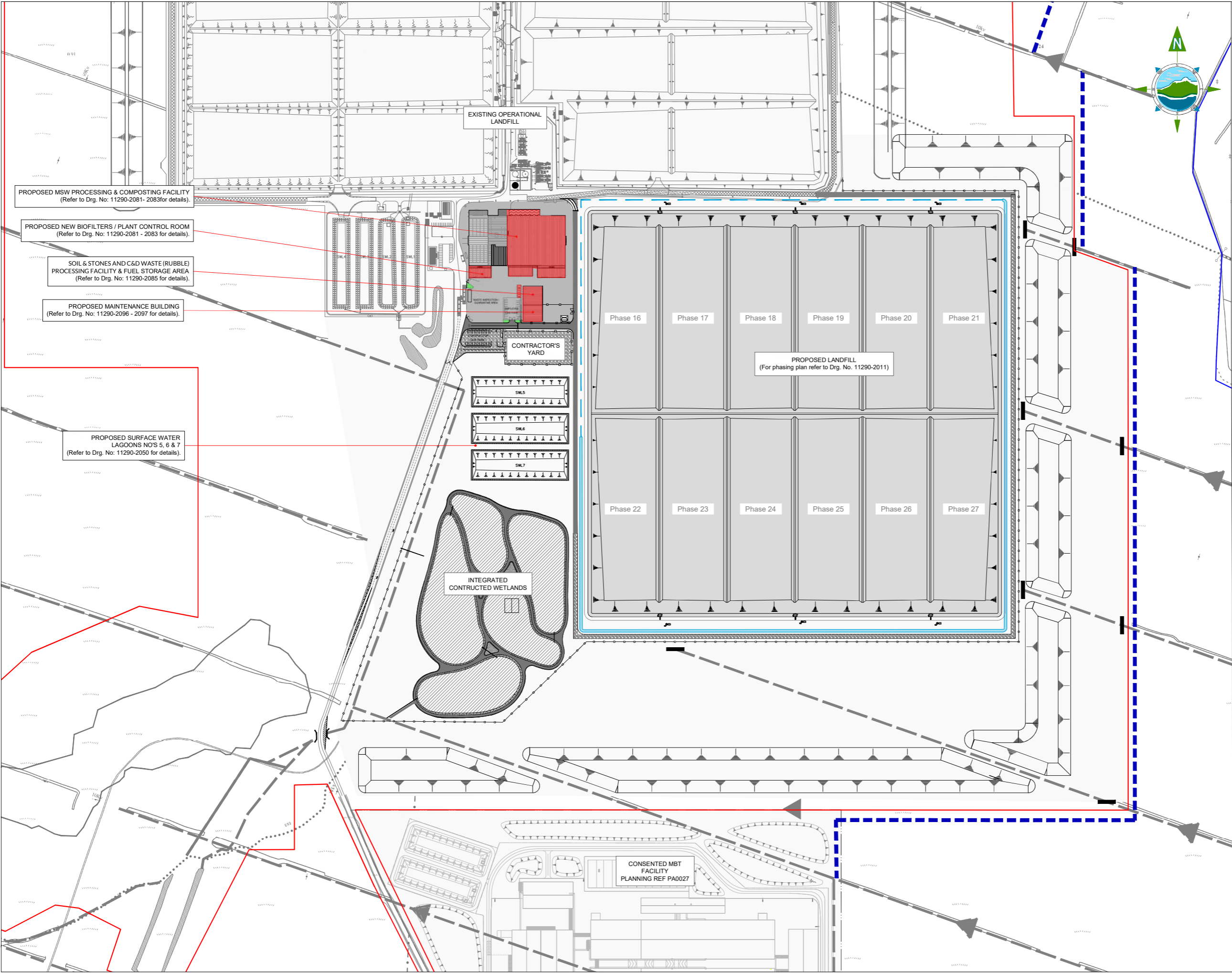
Checked by:
RC

Drawing Ref:
11290-2071

Scale:
1:2000 @ A1

Date:
MAY 2023

ISSUED 20230519



GENERAL LEGEND
BORD NA MÓNA
OWNERSHIP BOUNDARY
APPLICATION
BOUNDARY
PROPOSED
BUILDINGS

NOTES:
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
3. ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES
4. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES
5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Co. Kildare
OSI 1:5,000 SERIES SHEET NO'S:
3187, 3188, 3253, 3254, 3318, 3319, 3381, 3382.
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50m 0 50m 100m 150m

Rev	Date	Description	By	Chkd.
A	26.04.23	PLANNING ISSUE	MN	RH

Client:
Bord na Móna

Project:
DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:
STRUCTURES
GENERAL ARRANGEMENT

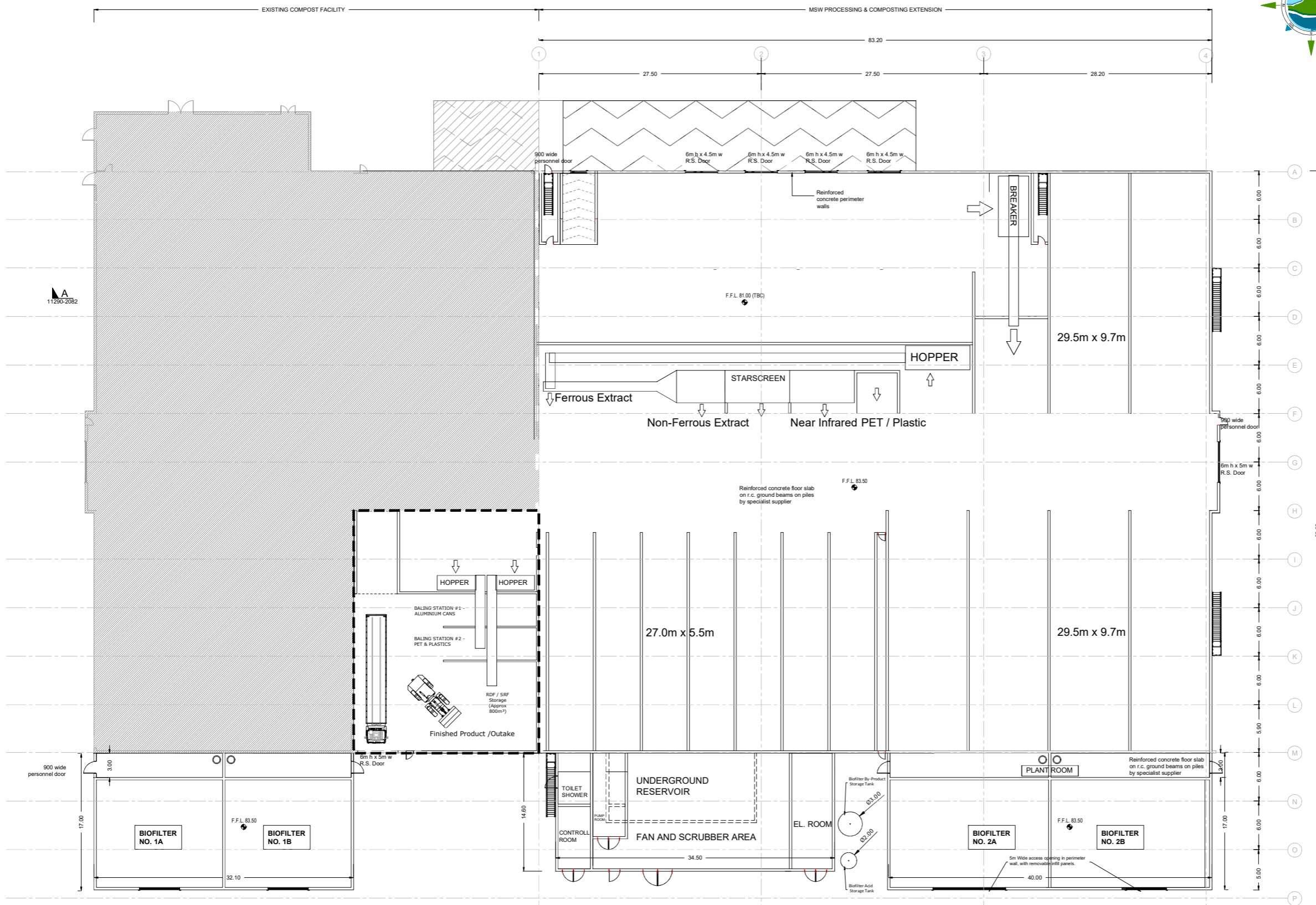
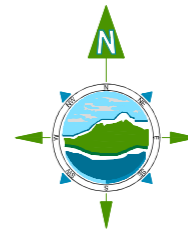
Scale @ A1: 1:2,500

Prepared by: M. Nolan
Checked: R. Hunt
Date: November 22

Project Director: S. Tinnelly
Drawing Status: Planning

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Drawing No.: 11290-2080
Revision: A



MSW PROCESSING & COMPOSTING BUILDING,
BIOFILTERS & PLANT CONTROL ROOM
PLAN

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- ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

5m 0m 5m 10m 15m

Rev	Date	Description	By	Chkd.
A	26.04.23	PLANNING ISSUE	MN	RH

Client:

Bord na Móna

Project:

DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:

MSW PROCESSING &
COMPOSTING BUILDING,
NEW BIOFILTERS & PLANT
CONTROL ROOMS PLAN

Scale @ A1:

1:250

Scale as agreed with An Bord
Phoibairí ref: A08-312446-22
Date: 09/03/23

Prepared by:

M. Nolan

Checked:

R. Hunt

Date:

November 22

Project Director:

S. Tinnelly

Drawing Status:

Planning

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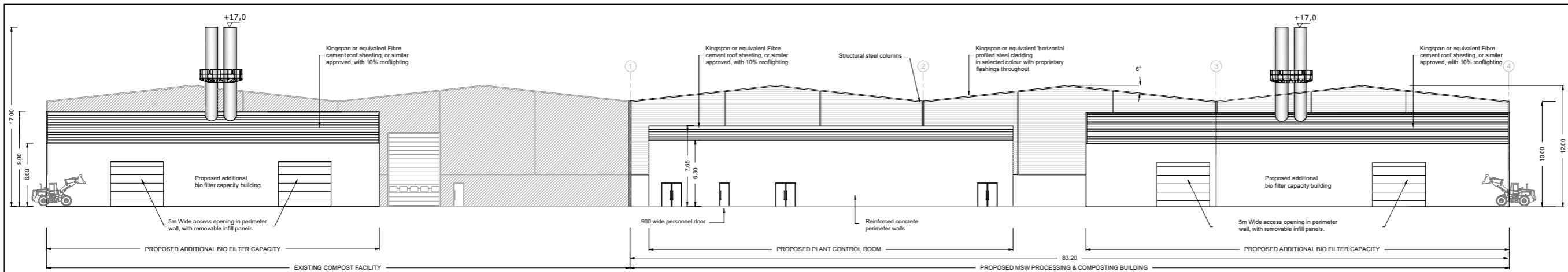
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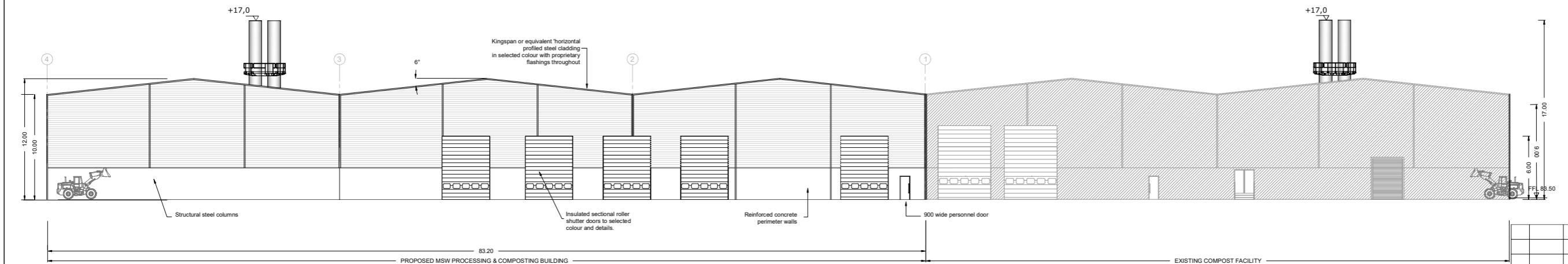
Drawing No.: 11290-2081

Revision:

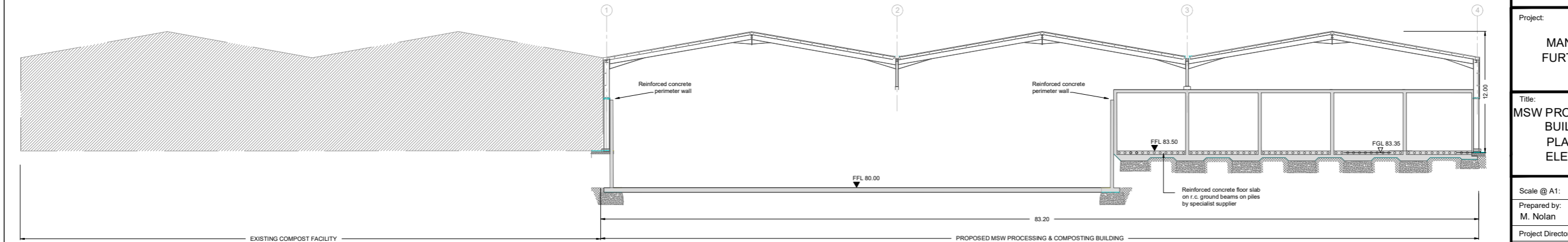
A



MSW PROCESSING & COMPOSTING BUILDING, BIOFILTERS
& PLANT CONTROL ROOM
SOUTH ELEVATION



MSW PROCESSING & COMPOSTING BUILDING, BIOFILTERS
& PLANT CONTROL ROOM
NORTH ELEVATION



MSW PROCESSING & COMPOSTING BUILDING, BIOFILTERS
& PLANT CONTROL ROOM
SECTION A-A

Rev	Date	Description	By	Chkd.
A	26.04.23	PLANNING ISSUE	MN	RH

Client:
Bord na Móna

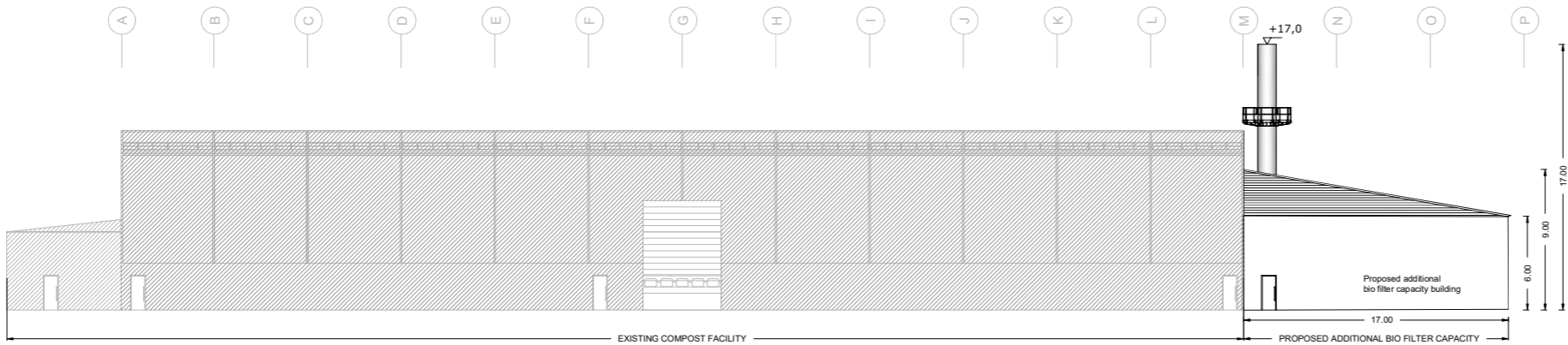
Project:
**DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT**

Title:
**MSW PROCESSING & COMPOSTING
BUILDING, BIOFILTERS &
PLANT CONTROL ROOM
ELEVATIONS & SECTION**

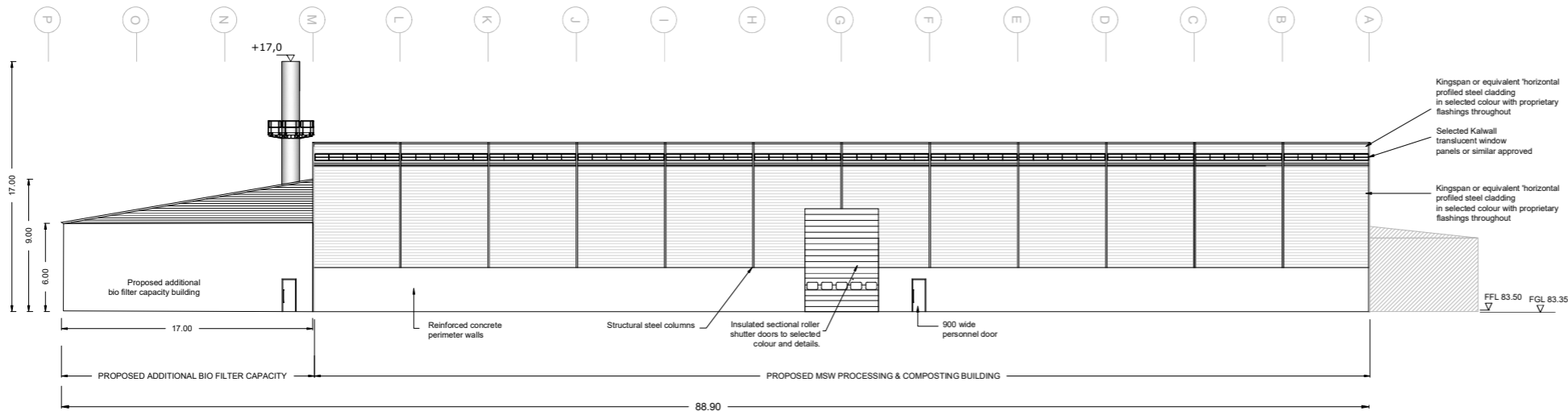
Scale @ A1: 1:200
Prepared by: M. Nolan
Checked: R. Hunt
Date: November 22
Project Director: S. Tinnelly
Drawing Status: Planning

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Drawing No.: 11290-2082
Revision: A



MSW PROCESSING & COMPOSTING BUILDING, BIOFILTERS
& PLANT CONTROL ROOM
WEST ELEVATION



MSW PROCESSING & COMPOSTING BUILDING, BIOFILTERS
& PLANT CONTROL ROOM
EAST ELEVATION

A	26.04.23	PLANNING ISSUE	MN	RH
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT

Title:

MSW PROCESSING & COMPOSTING
BUILDING, BIOFILTERS &
PLANT CONTROL ROOM
ELEVATIONS

Scale @ A1:

1:200

Scale as agreed with An Bord
Pleanála ref: ABP 312446-22
Date: 09/03/23

Prepared by:

M. Nolan

Checked:

R. Hunt

Date:

November 22

Project Director:

S. Tinnelly

Drawing Status:

Planning

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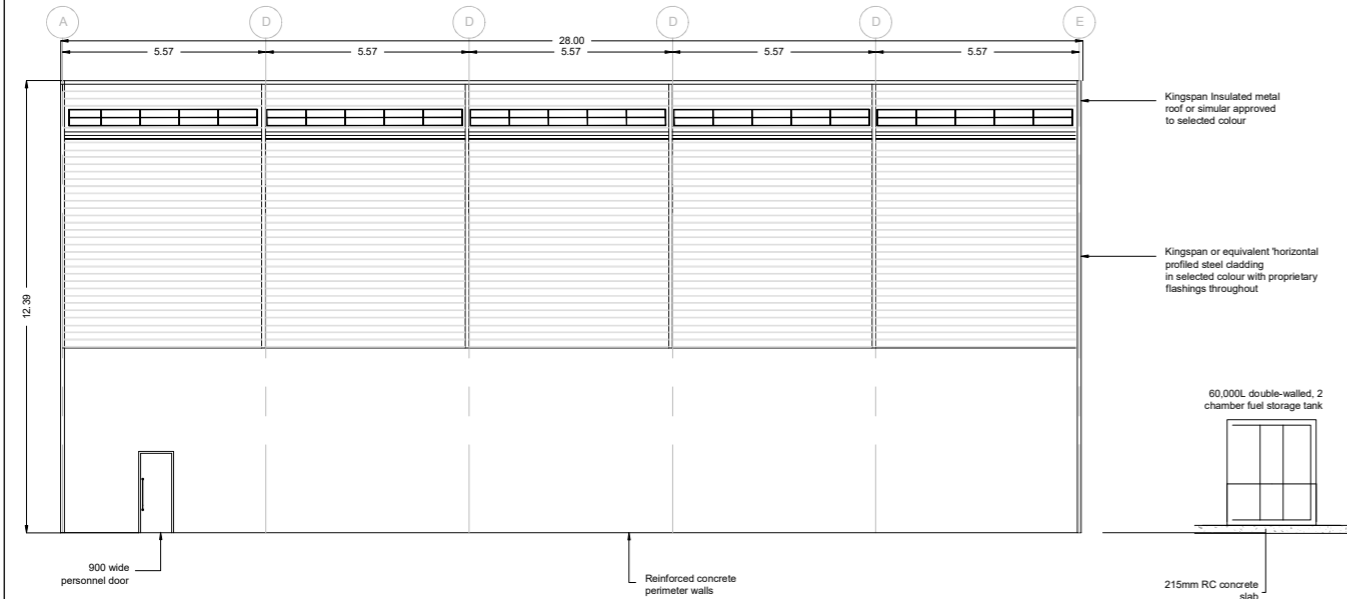
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Drawing No.:

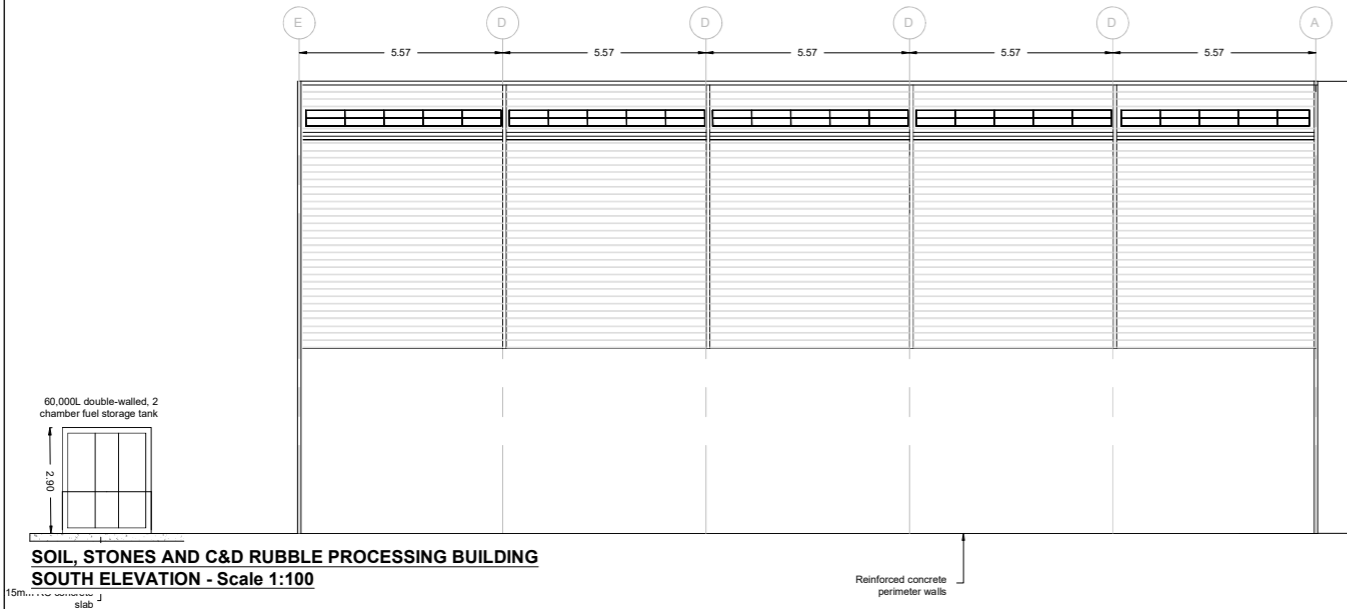
11290-2083

Revision:

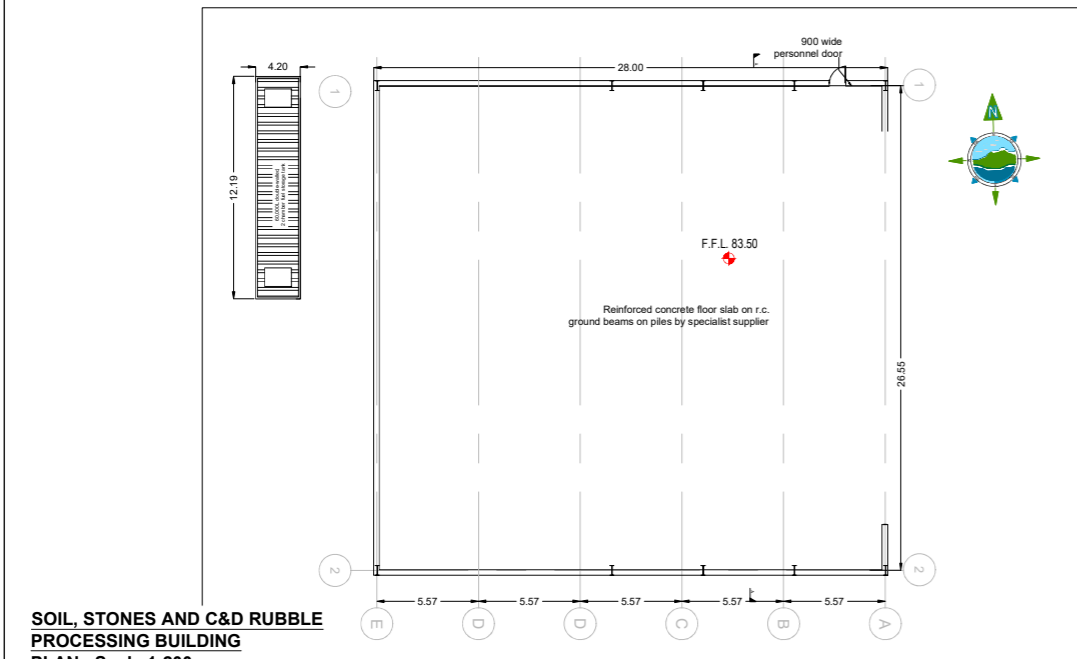
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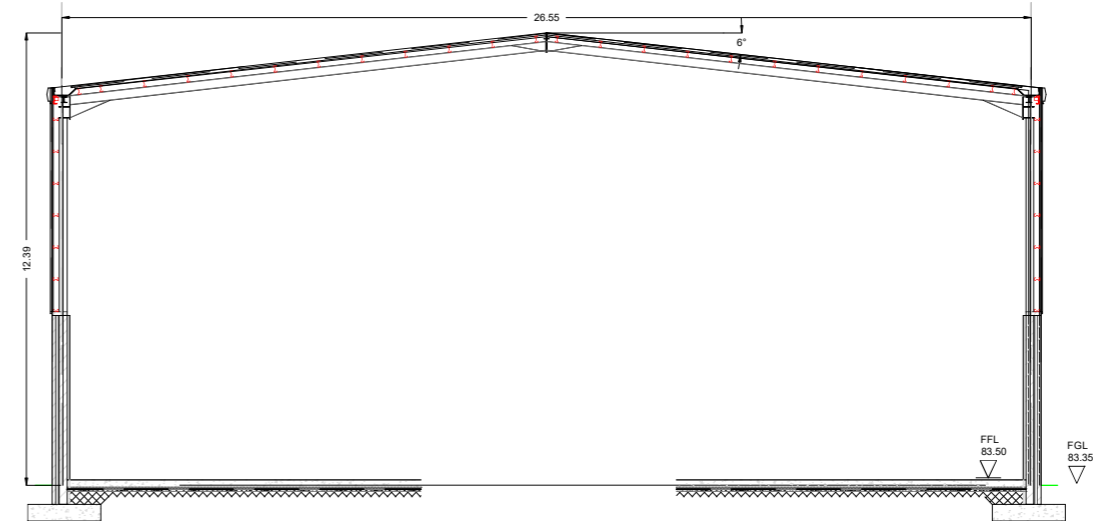
SOIL, STONES AND C&D RUBBLE PROCESSING BUILDING
NORTH ELEVATION - Scale 1:100



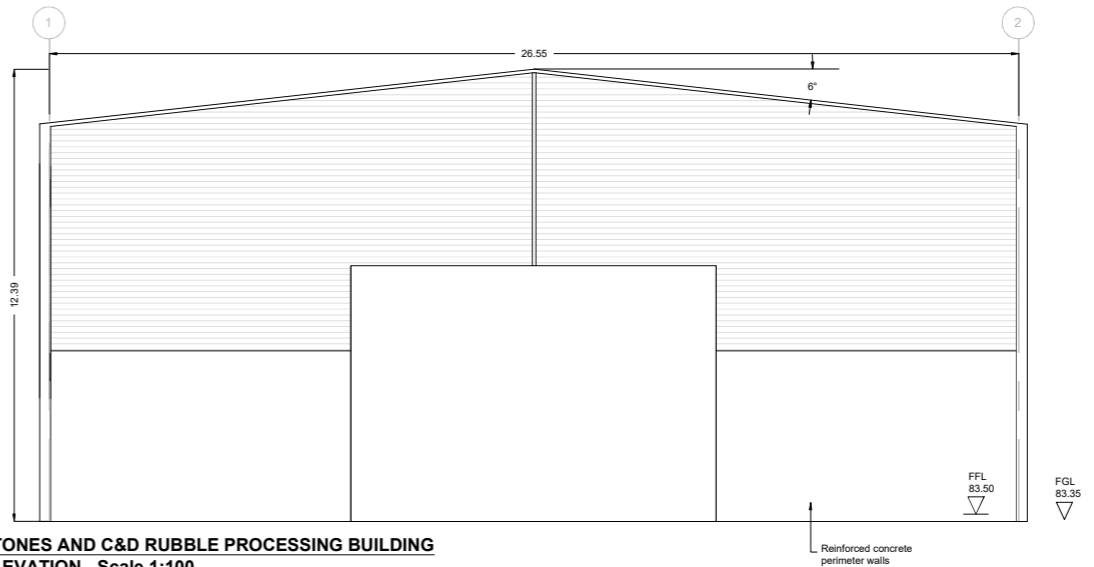
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SOUTH ELEVATION - Scale 1:100



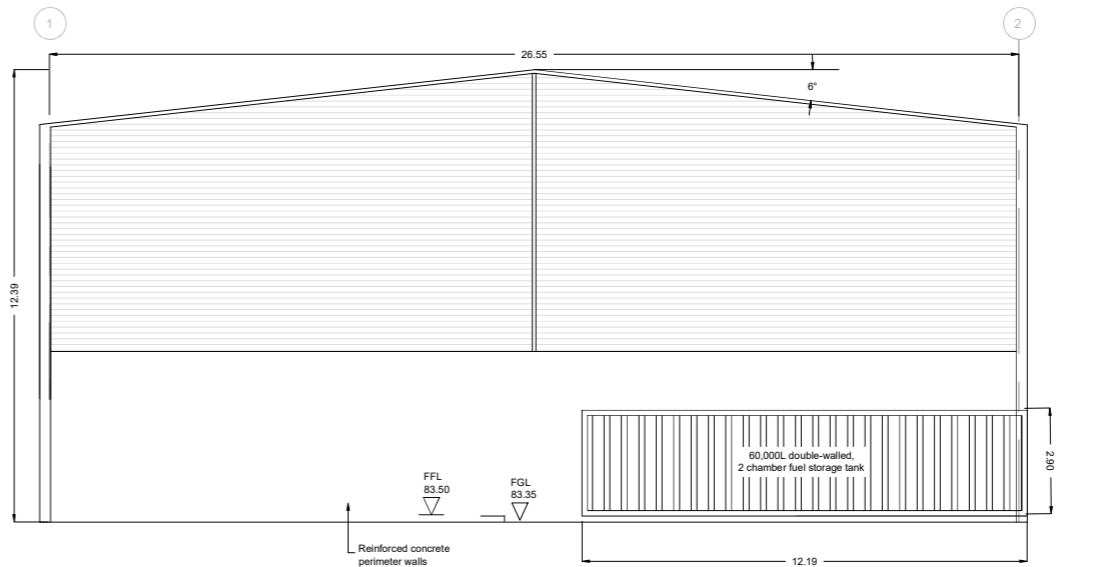
SOIL, STONES AND C&D RUBBLE PROCESSING BUILDING
PLAN - Scale 1:200



SOIL, STONES AND C&D RUBBLE PROCESSING BUILDING
SECTION A-A - Scale 1:100



SOIL, STONES AND C&D RUBBLE PROCESSING BUILDING
EAST ELEVATION - Scale 1:100



SOIL, STONES AND C&D RUBBLE PROCESSING BUILDING
WEST ELEVATION - Scale 1:200

Rev	Date	Description	By	Chkd.
A	26.04.23	PLANNING ISSUE	MN	RH

Client:
Bord na Móna

Project:
DREHID WASTE MANAGEMENT FACILITY FURTHER DEVELOPMENT

Title:
SOIL, STONES AND C&D WASTE RUBBLE PROCESSING BUILDING & FUEL STORAGE AREA PLAN, ELEVATIONS & SECTION

Scale @ A1: **As Shown**

Prepared by: **M. Nolan** Checked: **R. Hunt** Date: **November 22**

Project Director: **S. Tinnelly**

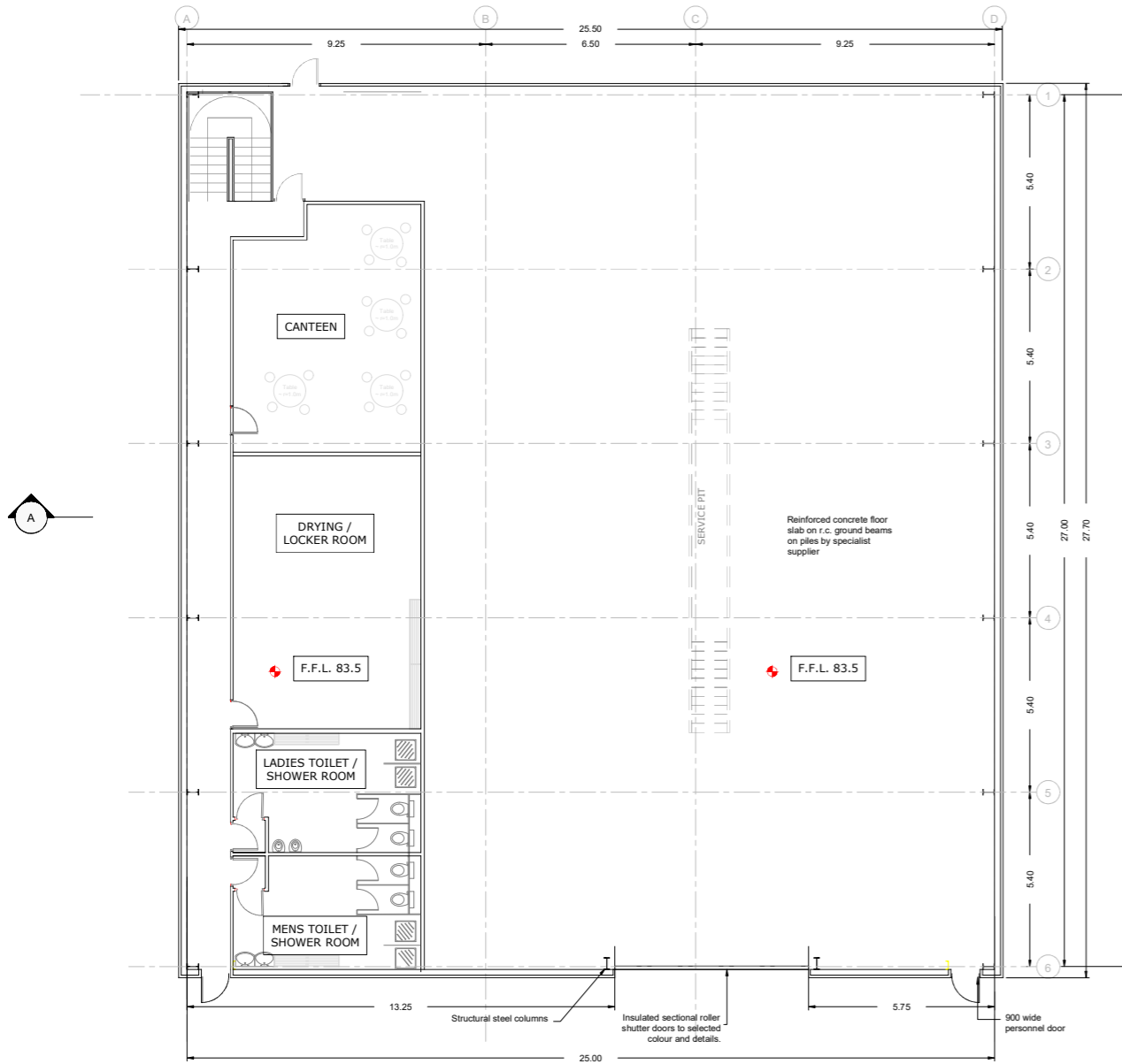
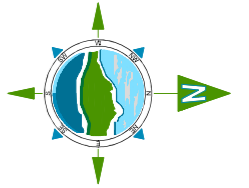
Drawing Status: **Planning**

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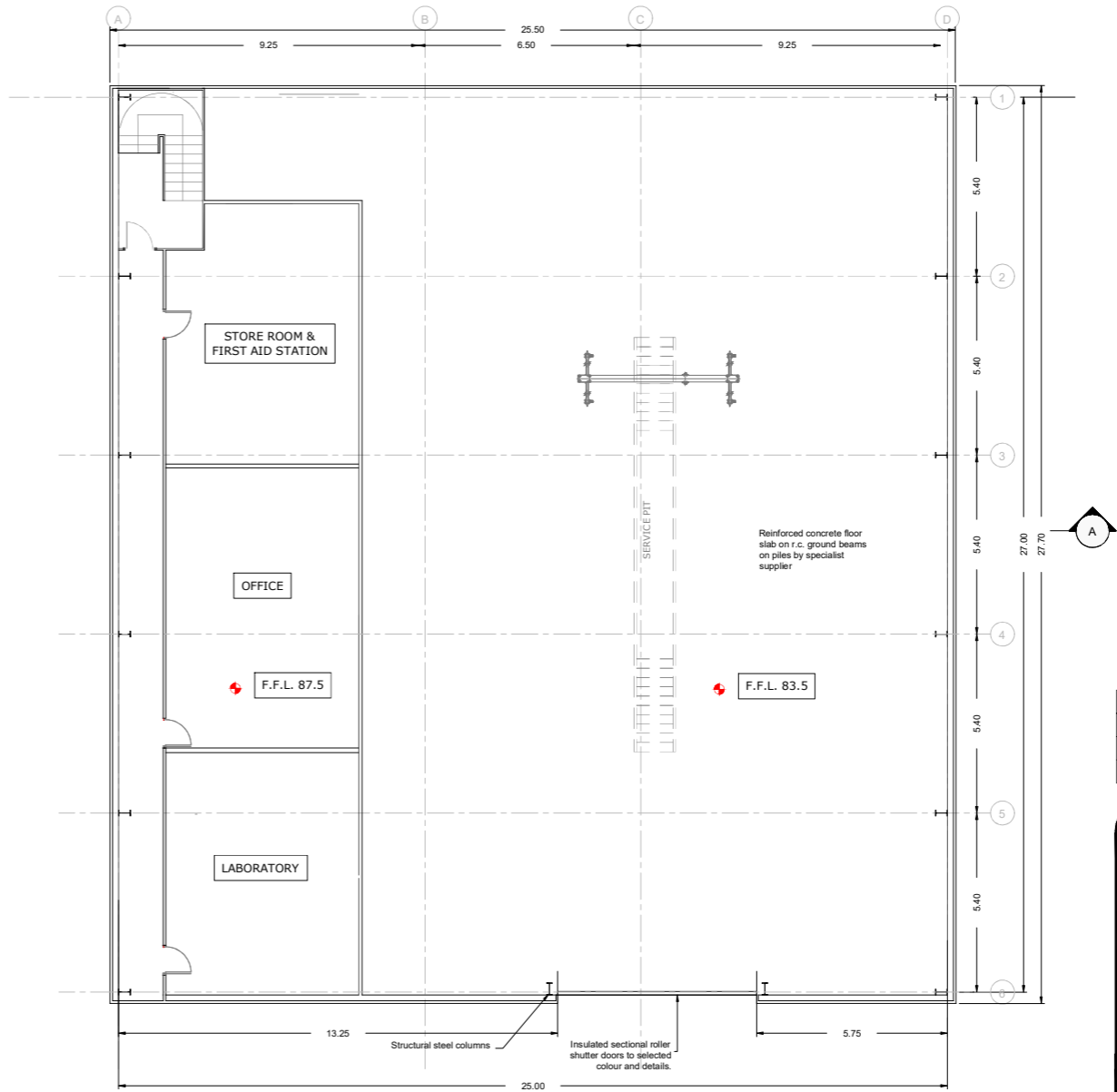
Revision:
A

Drawing No.: **11290-2085**

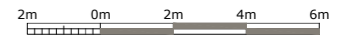


MAINTENANCE BUILDING GROUND
FLOOR PLAN

- NOTES:
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MAINTENANCE BUILDING
FIRST FLOOR PLAN



Rev	Date	Description	By	Chkd.
A	26.04.23	PLANNING ISSUE	MN	RH

Client:
Bord na Móna

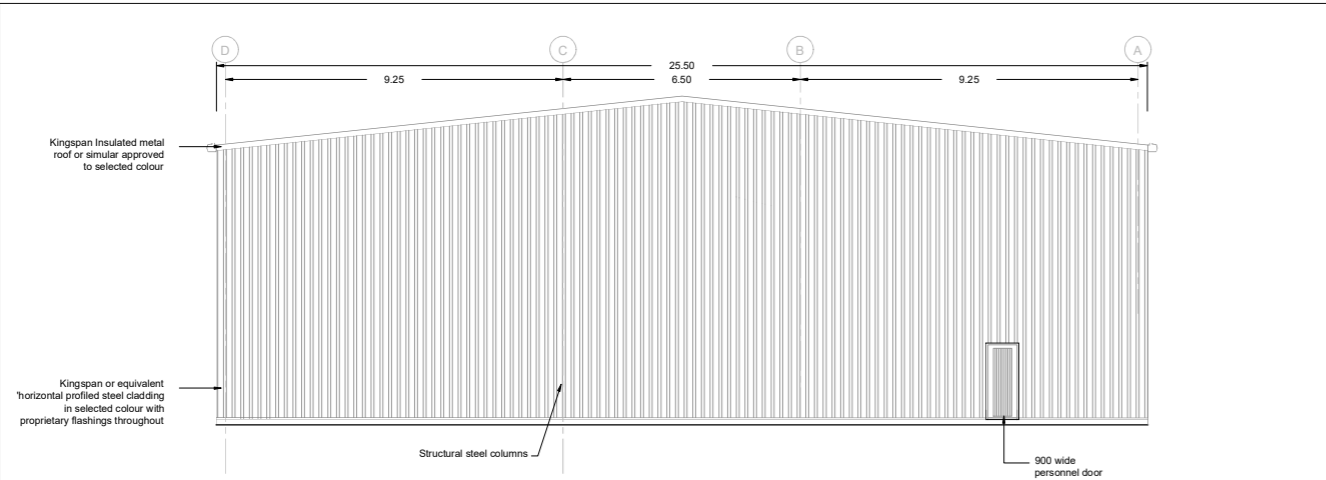
Project:
**DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT**

Title:
**MAINTENANCE BUILDING
FLOOR PLANS**

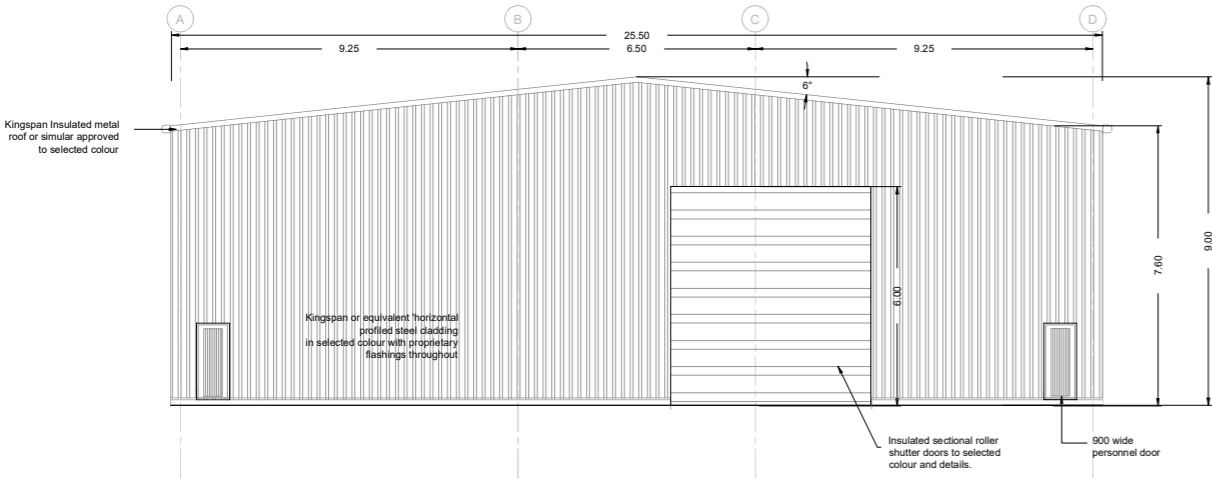
Scale @ A1: 1:100
Prepared by: M. Nolan
Checked: R. Hunt
Date: November 22
Project Director: S. Tinnelly
Drawing Status: Planning

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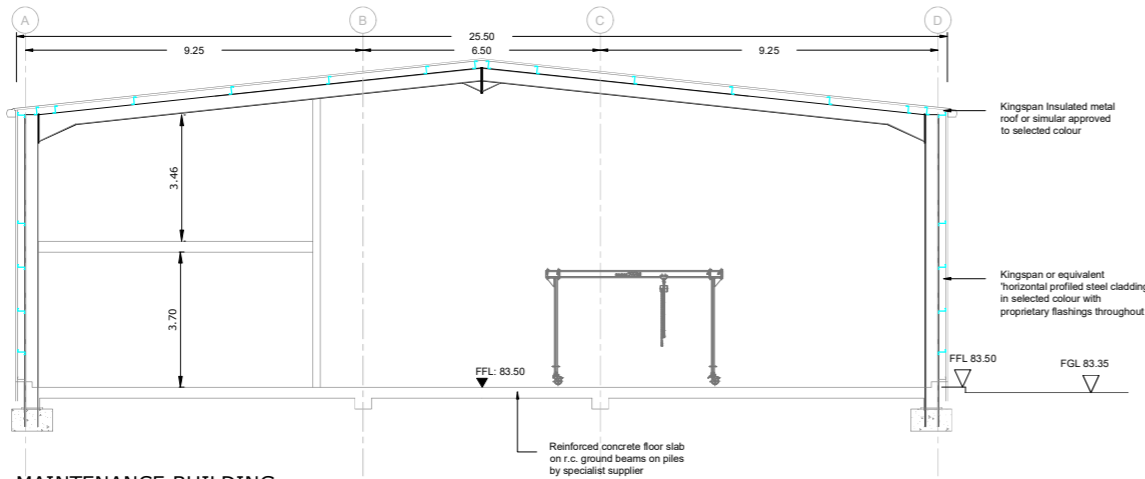
Drawing No.: 11290-2096
Revision: A



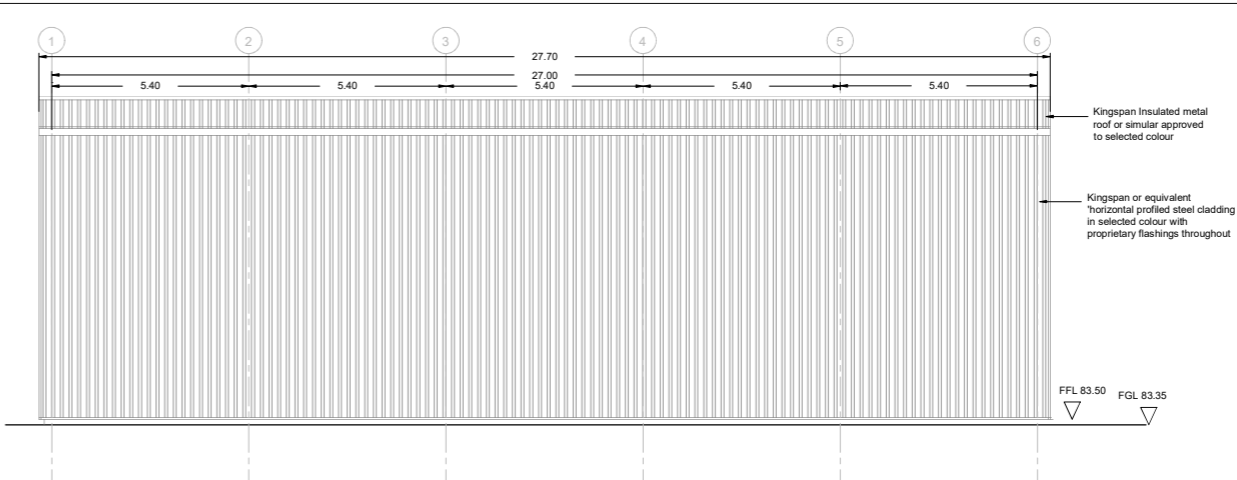
MAINTENANCE BUILDING
WEST ELEVATION



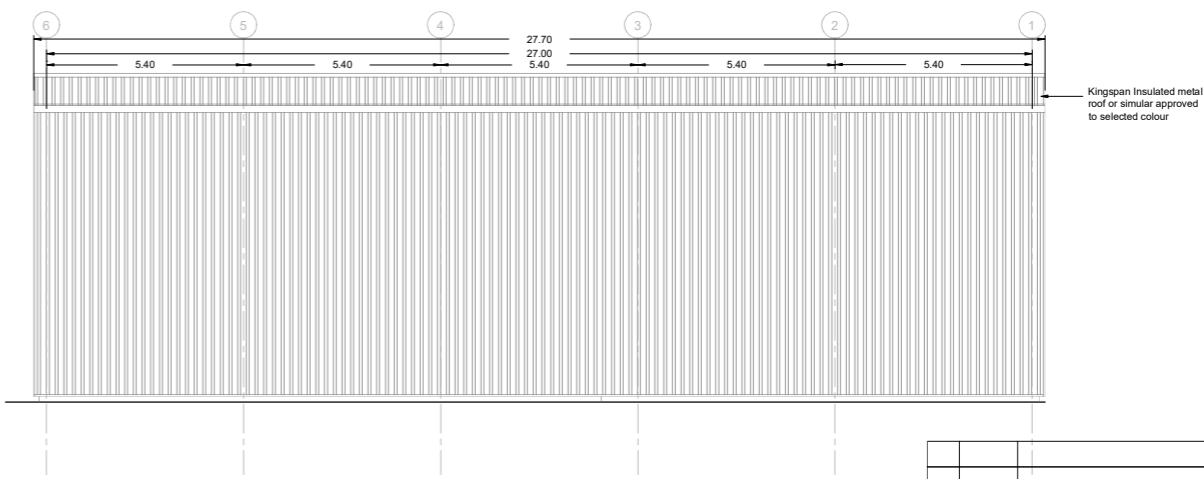
MAINTENANCE BUILDING
EAST ELEVATION



MAINTENANCE BUILDING
SECTION A-A



MAINTENANCE BUILDING
SOUTH ELEVATION



MAINTENANCE BUILDING
NORTH ELEVATION

Rev	Date	Description	By	Chkd.
A	26.04.23	PLANNING ISSUE	MN	RH

Client:
Bord na Móna

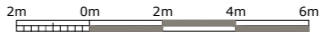
Project:
**DREHID WASTE
MANAGEMENT FACILITY
FURTHER DEVELOPMENT**

Title:
**MAINTENANCE BUILDING
SECTION & ELEVATIONS**

Scale @ A1: **1:100**
Prepared by: **M. Nolan** Checked: **R. Hunt** Date: **November 22**
Project Director: **S. Tinnelly**
Drawing Status: **Planning**

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