

12 July 2024

Licensing Programme
Environmental Protection Agency
PO Box. 3000,
Johnstown Castle Estate,
Co. Wexford.

SLR Project No.: 501.00180.000313

EPA Reference No.: W0277-04

Dear Sir / Madam,

**RE: Waste Licence Review Application by Roadstone Limited in respect of
Soil and Stone Waste Recovery Activity at Huntstown South Quarry,
North Road, Finglas, Dublin 11 (Licence Ref. W0277-04)
Submission of Unsolicited Additional Information**

Further to a site meeting between staff from the EPA Licensing Programme and representatives of Roadstone Limited and ourselves (SLR Consulting Ireland) at the existing licensed soil waste recovery facility at Huntstown, North Dublin on 18th June last, at which a number of planned future changes to on-site activities and operations were discussed, we are submitting this unsolicited additional information to the Agency to

- (i) formally notify it of the planned changes and
- (ii) request that it have regard to these changes when undertaking its review of the current waste licence review application (Ref. W0277-04).

As was advised at our site meeting, the proposed amendments from the original licence review application submitted in December 2021 are as follows:

- (i) extension of the waste licence area to incorporate new or re-located infrastructure required to facilitate the transfer of soil waste recovery activities to the South Quarry;
- (ii) re-location of the current surface water discharge compliance point for the North Quarry (at location 'DP') to a point further upstream of the drainage channel leading to the Ballystruhan Stream (at location designated as 'DP3'). ;
- (iii) re-location of the current surface water discharge compliance point for the South Quarry (at location 'W3' per current Fingal County Council Discharge Licence, Ref. WPW/F/075) to a point further upstream of the drainage channel leading to the Finglas Stream (at location designated as 'DP4');
- (iv) installation of 2 new hydrocarbon interceptors immediately upstream of the re-located surface water discharge compliance points;
- (v) extension of the waste licence area to incorporate the re-located monitoring point 'DP4', the new hydrocarbon interceptor upstream of it and the pond into which the treated run-off will be discharged;
- (vi) inclusion of railway ballast (List of Waste Code 17 05 08) in the list of soil and stone wastes which may be accepted at the established licence facility.
- (vii) modification of working hours at the soil recovery facility to permit activities between 07.00hours and 18.00hours each weekday (Monday to Friday) and between 7.00hours and 13.00hours on Saturdays, in line with the working hours permitted at the quarry under Condition 12 of the existing quarrying planning permission (Ref. FW12A/0022).

Additional Site Infrastructure

The new / relocated site infrastructure will be constructed along the haul route(s) to the South Quarry and is required to facilitate internal re-routing of soil intake for future backfilling and restoration activities there. It principally comprises 3 No. additional weighbridges (and weighbridge offices), the construction of a replacement waste inspection and quarantine shed, provision of new site offices and associated car parking spaces for staff and visitors.

This infrastructure was granted planning permission by Fingal County Council in April 2023 (Planning Ref FW22A/0258) and the relevant information is provided in a number of revised or supplementary licence application attachments under cover of this letter.

Re-location of North Quarry Discharge Compliance Point

The current licence compliance point for the licensed recovery facility at Huntstown Quarry is located downstream of both the licensed waste facility AND that of the adjoining power plant and, as a consequence, surface water quality results at the location are influenced by discharges from both facilities.

As part of this waste licence review application, it is proposed that the compliance monitoring location for the soil recovery area at the North Quarry be relocated from its existing location to a point further upstream of the drainage channel leading to the Ballystruhan Stream. The new monitoring location, designated 'DP3', is shown on a number of amended application drawings accompanying this submission a short distance downstream of the existing settlement ponds at the North Quarry.

In order to ensure continued compliance with discharge thresholds, a new hydrocarbon interceptor will also be installed immediately upstream of the new compliance point (as also indicated on a number of amended application drawings).

Re-location of South Quarry Discharge Compliance Point

At the present time, surface water run-off and dewatered groundwater from the South Quarry is monitored at monitoring location W3 (DP2), some distance downstream of the settlement ponds which treat water pumped from the floor of the South Quarry and immediately upstream of the off-site discharge to the Finglas Stream (within the River Tolka catchment). Sampling and testing is undertaken on a monthly basis, as required by the existing effluent discharge licence issued by Fingal County Council (Ref WPW/F/075). The location of the existing monitoring point is shown on a number of amended application drawings accompanying this submission.

For the purposes of any future (amended) EPA waste licence, it is envisaged that a new surface water monitoring location, designated 'DP4', will be established immediately downstream of the discharge from the existing settlement ponds, on the eastern side of the access road leading to the South Quarry, as shown on a number of amended application drawings accompanying this submission. This monitoring point will be adopted as the compliance point for future off-site discharge of treated water associated with backfilling and recovery activities at the South Quarry.

As at the North Quarry, a new hydrocarbon interceptor will be installed immediately upstream of the new compliance point to ensure continued compliance with discharge thresholds.

In order to ensure that the proposed compliance point is within the licenced site area, it is proposed to amend the waste licence area to also incorporate the re-located monitoring point 'DP4', the new hydrocarbon interceptor upstream of it and the pond into which the treated run-off will be discharged.



Permitted Waste Intake

In addition to the permitted waste intake, and on foot of a number of past enquiries, Roadstone is also seeking to have the existing waste licence amended to accommodate future recovery of track ballast at the extended licenced facility at Huntstown.

This waste material is identified on the List of Waste (LoW) as

- 17 05 08 track ballast other than those mentioned in 17 05 07.

Close

Several of the attachments and/or drawings which accompanied the original waste licence review application have been amended to reflect the proposed changes outlined above. These are attached as a series of appendices to this submission and as separate digital / electronic files.

We trust that the information and proposed layout / operational changes discussed herein can be accommodated within the scope of the ongoing waste licence review for the soil waste recovery facility at Huntstown and can be accommodated in any draft decision made by the Agency in respect of the licence review application.

If you have any queries, please contact the undersigned or Leonard Grogan of Roadstone.

Yours sincerely,

SLR Consulting Ireland



Derek Luby
Technical Director

cc. Leonard Grogan / John Glynn, Roadstone Limited

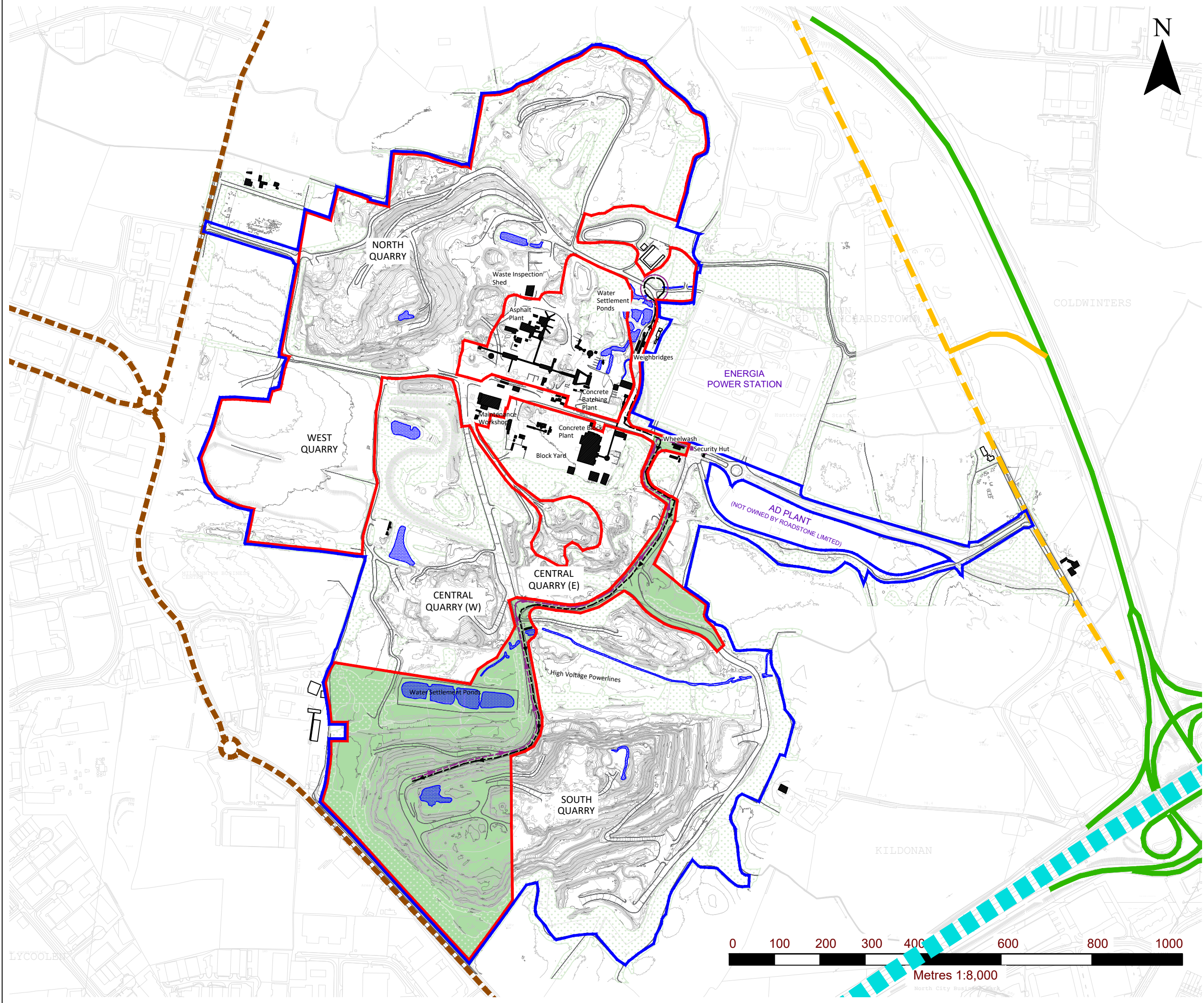
Enc. Attachment 3-2 (Revised)
Attachment 4-8-1 (Revised)
Attachment 6-1 (Revised)
Attachment 6-3-1 (Supplementary)
Attachment 6-3-2 (Supplementary)
Attachment 7-2 (Revised)
Attachment 6-7-3 (Revised)
Attachment 7-1-3-1 (Revised Figures)
Attachment 7-1-3-2 (Revised Figure)
Attachment 7-1-3-3 (Revised Figures)
Attachment 7-2 (Revised)
Attachment 9-2-3 (Revised Figure)



ATTACHMENT 3-2 (REVISED)
SITE PLANS



0180.00313.FIG 3-2-A.Existing Site Plan.dwg



NOTES

- EXTRACT FROM 1:2,500 ORDNANCE SURVEY DIGITAL SHEET NO'S. 3062-A, 3062-B, 3062-C, 3062-D, 3063-A, 3063-C, 3130-A & 3130-B.
- ORDNANCE SURVEY IRELAND LICENCE NO. CYAL50381397 (C) ORDNANCE SURVEY IRELAND/ GOVERNMENT OF IRELAND
- SURVEY COMPLETED ON 22ND FEBRUARY 2021 BY ASM IRELAND TO ITM AND MALIN HEAD DATUM

LEGEND

	ROADSTONE LIMITED LAND INTEREST (C. 163.3 HA)
	AMENDED WASTE LICENCE AREA (COMPRISING EXISTING LICENCE AREA AND PROPOSED EXTENSION) (C. 79.2 HA)
	PROPOSED EXTENSION TO CURRENT WASTE LICENCE AREA
	M50 MOTORWAY
	N2 DUAL CARRIAGEWAY
	R135 REGIONAL ROAD (NORTH ROAD)
	LOCAL ROAD
	SEMI-PERMANENT / EPHEMERAL PONDS IN WEST QUARRY (JUNE 2016)
	DENSE VEGETATION & FORESTRY
	WATER
	STRUCTURES
	MAJOR CONTOURS (EVERY 5M) INTERMEDIATE 1 M CONTOUR
	INWARD HAUL ROUTE
	OUTWARD HAUL ROUTE



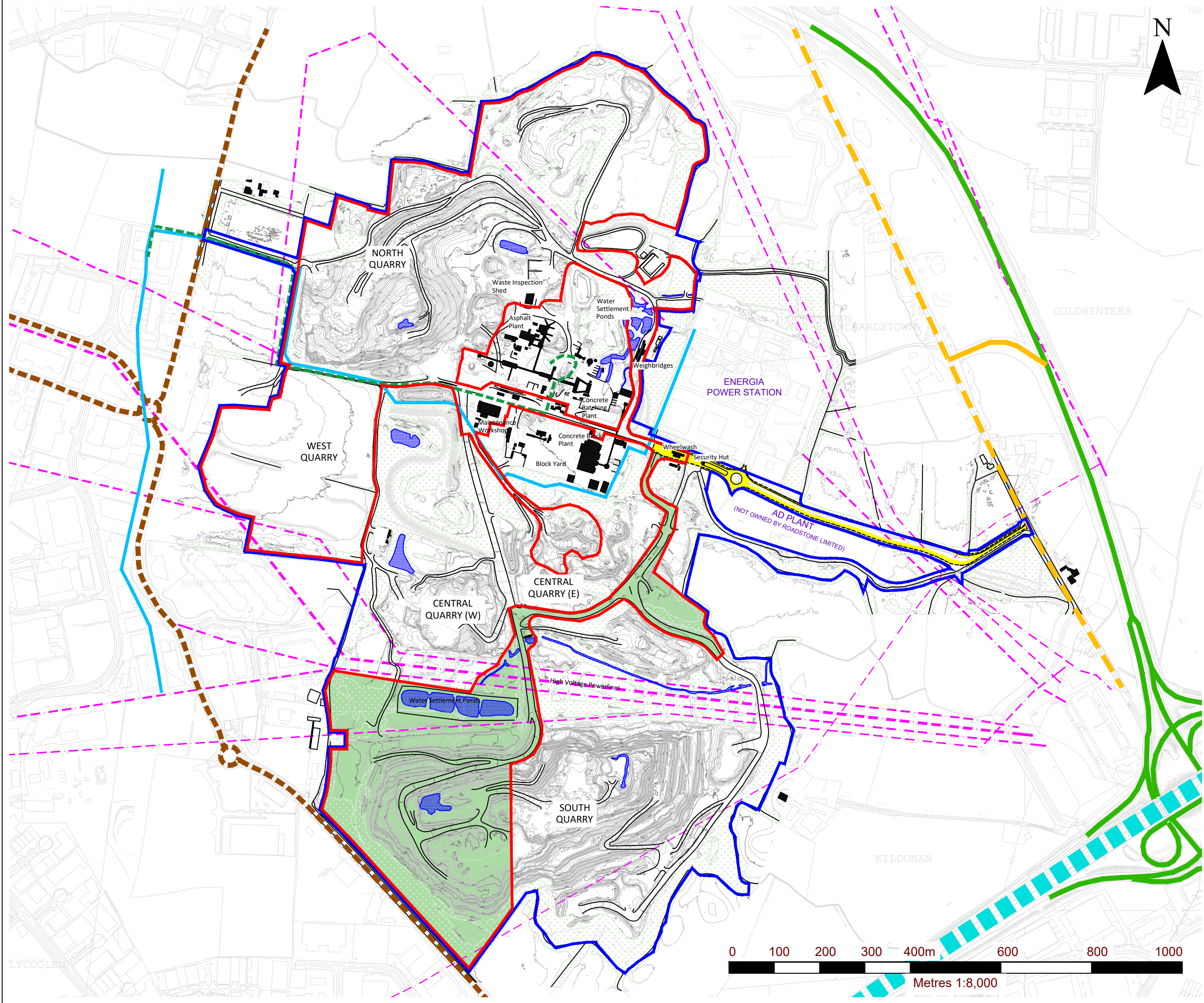
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ROADSTONE LIMITED
 WASTE LICENCE REVIEW APPLICATION
 HUNTSTOWN WASTE RECOVERY FACILITY
 NORTH ROAD, FINGLAS, DUBLIN 11
 EXISTING / PROPOSED WASTE RECOVERY FACILITY LAYOUT

FIGURE 3-2A

Scale: 1:8,000 @ A3 Date: JULY 2024

0180.00313.FIG 3-2-B.Site Utilities Layout.dwg



NOTES

- EXTRACT FROM 1:2,500 ORDNANCE SURVEY DIGITAL SHEET NO'S. 3062-A, 3062-B, 3062-C, 3062-D, 3063-A, 3063-C, 3130-A & 3130-B.
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- SURVEY COMPLETED ON 22ND FEBRUARY 2021 BY ASM IRELAND TO ITM AND MALIN HEAD DATUM

LEGEND

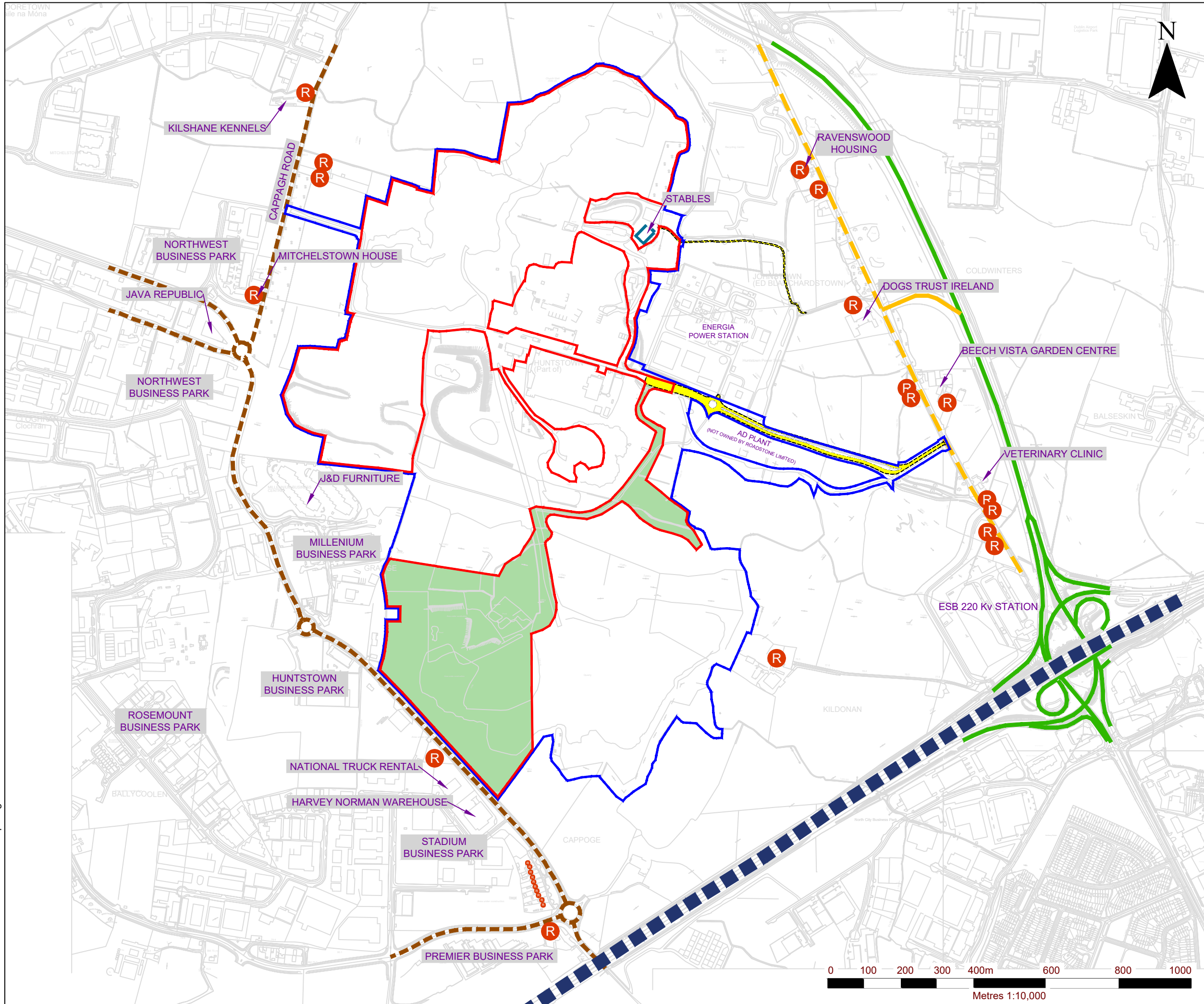
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	LOCAL ROAD
	SEMI-PERMANENT / EPHEMERAL PONDS IN WEST QUARRY (JUNE 2016)
	DENSE VEGETATION & FORESTRY
	OVERHEAD POWERLINES 10Kv / 38 Kv / 110Kv / 220Kv
	WATER
	STRUCTURES
	MAJOR CONTOURS (EVERY 5M) INTERMEDIATE 1 M CONTOUR
	GAS DISTRIBUTION PIPELINE
	GAS TRANSMISSION PIPELINE



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ROADSTONE LIMITED
 WASTE LICENCE REVIEW APPLICATION
 HUNTSTOWN WASTE RECOVERY FACILITY
 NORTH ROAD, FINGLAS, DUBLIN 11
SITE UTILITIES LAYOUT
FIGURE 3-2B

Scale 1:8,000 @ A3 Date JULY 2024



NOTES

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LEGEND

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	PROPOSED EXTENSION TO CURRENT WASTE LICENCE AREA
	N2 DUAL CARRIAGEWAY
	R135 REGIONAL ROAD (NORTH ROAD)
	LOCAL ROAD
	M50 MOTORWAY
	RIGHT OF WAY
	LOCATION OF NEAREST RESIDENCES

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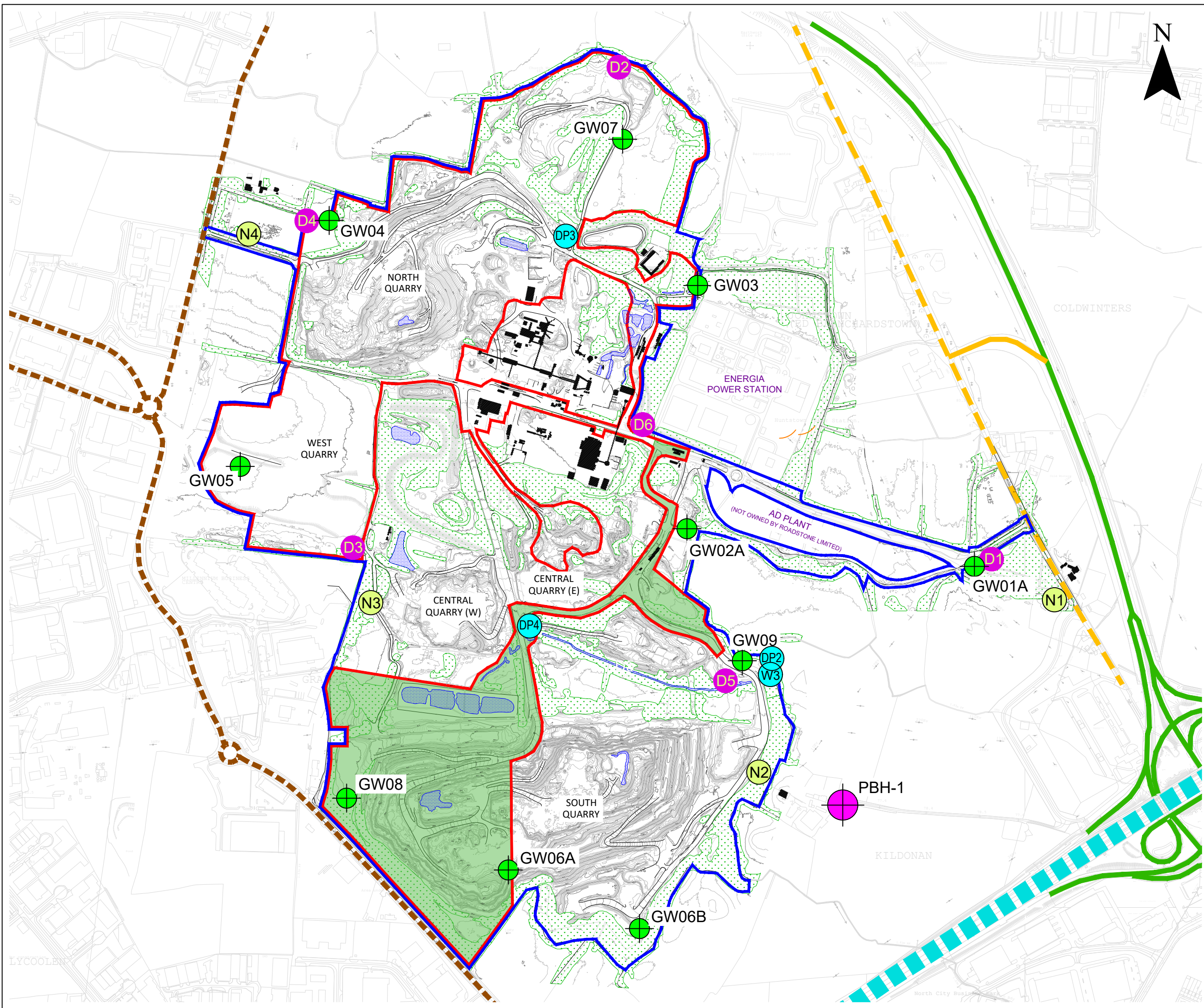
ROADSTONE LIMITED
 WASTE LICENCE REVIEW APPLICATION
 HUNTSTOWN WASTE RECOVERY FACILITY
 NORTH ROAD, FINGLAS, DUBLIN 11
SURROUNDING LANDUSE MAP

FIGURE 3-2C

Scale: 1:10,000 @ A3 Date: JULY 2024

0180.00313.FIG 3-2-C.SiteLocationMap.dwg

0180.00313.FIG 3-2-D.Environmental Monitoring Locations.dwg



NOTES

- EXTRACT FROM 1:2,500 ORDNANCE SURVEY DIGITAL SHEET NO'S. 3062-A, 3062-B, 3062-C, 3062-D, 3063-A, 3063-C, 3130-A & 3130-B.
- ORDNANCE SURVEY IRELAND LICENCE NO. CYAL50381397 (C) ORDNANCE SURVEY IRELAND/ GOVERNMENT OF IRELAND
- SURVEY COMPLETED ON AUGUST 2021 BY ASM IRELAND TO ITM AND MALIN HEAD DATUM

LEGEND

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	PROPOSED EXTENSION TO CURRENT WASTE LICENCE AREA
	N2 DUAL CARRIAGEWAY
	R135 REGIONAL ROAD (NORTH ROAD)
	LOCAL ROAD
	ON-SITE GROUNDWATER WELL LOCATIONS
	PRIVATE WELLS
	HUNTSTOWN POWER STATION WELL LOCATIONS
	NOISE MONITORING LOCATION
	DUST MONITORING LOCATION
	SURFACE WATER MONITORING LOCATION
	DISCHARGE POINT LOCATION

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ROADSTONE LIMITED
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 HUNTSTOWN WASTE RECOVERY FACILITY
 NORTH ROAD, FINGLAS, DUBLIN 11
ENVIRONMENTAL MONITORING LOCATIONS

FIGURE 3-2D

Scale: 1:8,000 @ A3 Date: JULY 2024

ATTACHMENT 4-8-1 (REVISED)
OPERATIONAL PLAN



ATTACHMENT 6-1 (REVISED)
STAKEHOLDER ENGAGEMENT



EPA Application Form

6.1 - Stakeholder Engagement - Attachment

Organisation Name: *

ROADSTONE LIMITED

Application I.D.: *

LA007477

6. Stakeholder Engagement

Please answer ALL questions where possible

6.1. Relevant Authorities

Regional Health Service Executive

Select *Regional Health Service Executive* relevant to this application: *

HSE Dublin North East

Water Services

Is there a trade effluent discharge to sewer? (Yes/No) *

No

Proceed to question 6.2.

If you have an effluent discharge licence (under Section 16 of the Water Pollution Act 1977 as amended), upload a copy in to application form (select Document Type: 'Effluent Discharge Licence').

Effluent Discharge Licence file name:

6.2. Appropriate Assessment



Upload an appropriate assessment screening report with your application (select Document Type: 'AA - Screening') *

AA Screening report file name:

Attachment-6-2-HuntstownSouthWRF_AAScreeningReport_2021: Attachment-6-2-AAScreeningPlanning20

Does the appropriate assessment screening report conclude that a Natura Impact Statement (NIS) is required? (Yes/No) *

No

If 'Yes' upload a copy of the the Natura Impact Statement (NIS) in to the application form (select Document Type: 'NIS')

Natura Impact Statement (NIS) file name:

6.3. Planning



Select Planning Authority relevant to the application:*

Fingal County Council

Considering the **entire** installation/facility to which the application and activity relates, has planning permission ever been required for the site? (Yes/No) *

Planning Granted - Page 1 of 2



Are there planning applications which have been granted that are RELEVANT to this application? (Yes/No)*

Complete the table below with summary details of all RELEVANT planning applications which have been granted.

The following table contains additional guidance for certain columns where you see the small red triangle in the header. To view the guidance simply hover over the column header.

Planning Reference No.	Upload a copy of planning decision AND planner's report (select Document Type: ' <u>Planning Decision</u> ' for each document). <i>- enter file name(s) or enter links to web copies</i>	Was an EIS/EIAR submitted with the planning application? (Yes/No)	Upload a letter of confirmation if EIA was NOT required (select Document Type: ' <u>EIA Confirmation - Planning</u> '). <i>- enter file name in table below</i>	Did the planning authority make a DETERMINATION that an AA is required? (Yes/No)	PAGE BREAK FOR PRINTING
FW12A/0022 (Fingal)	Attachment-6-3-1-FinalPlanningDecision-FW12A-0022	Yes		No	
PL06F.241693 (ABP)	Attachment-6-3-1-FingalCoCoPlannersReport-FW12A-0022				
	Attachment-6-3-1-ABPInspectorsReport-PL06F-241693				
FW22A/0258 (Fingal)	Attachment-6-3-1-FinalPlanningDecision-FW22A-0258				
	Attachment-6-3-1-FingalCoCoPlannersReport-FW22A-0258				

* indicates required field

Planning Granted - Page 2 of 2

Planning Reference No.	If 'YES' to the previous question, upload a copy of the DETERMINATION made by any planning authority that an AA is required (select Document Type: 'AA - Planning'). - enter file name in table below	Where applicable, upload a copy of any screening for AA report & any supplemental information furnished in relation to any such report, which has been provided to the planning authority (select Document Type: 'AA Screening - Planning'). - enter file name in table below	Where a screening for AA report was prepared (as per the previous question), did AA screening conclude that an NIS was required? (Yes/No)	Upload <u>Natura Impact Statement (NIS)</u> , & any supplemental information furnished in relation to any such report, which was provided to the planning authority for the purposes of the AA (select the Document Type: 'NIS - Planning') - enter file name in table below
FW12A/0022 (Fingal)		Attachment-6-3-2-AAScreeningPlanning-2012	No	
PL06F.241693 (ABP)				
FW22A/0258 (Fingal)				

* indicates required field

Planning In Progress - Page 1 of 2



Are there planning applications in progress that are relevant to this application? **(Yes/No)***

No

Complete the table below with summary details of all relevant planning applications which are in progress

The following table contains additional guidance for certain columns where you see the small red triangle in the header. To view the guidance simply hover over the column header.

Planning Reference No.	Upload a letter of confirmation that planning is under consideration (select Document Type: ' <u>Planning under Consideration</u> ') - enter file name or enter link to web copy	Was an EIS/EIAR submitted with the planning application? (Yes/No)	Upload a letter of confirmation if EIA was NOT required (select Document Type: ' <u>EIA Confirmation Planning</u> ') - enter file name in table below	Did planning authority make a determination that an AA is required? (Yes/No)	PAGE BREAK FOR PRINTING	
						PAGE BREAK FOR PRINTING

* indicates required field

Planning In Progress - Page 2 of 2

Planning Reference No.	If 'YES' to the previous question, upload a copy of the determination that an AA is required made by any planning authority (select Document Type: 'Planning Determination') - enter file name in table below	Where applicable, upload a copy of any screening for AA report and any supplemental information furnished in relation to any such report, which has been provided to the planning authority (select Document Type: 'AA Screening - Planning'). - enter file name in table below	Where a screening for AA report was prepared as per the previous question, did AA screening specify that an NIS was required? (Yes/No)	Upload Natura Impact Statement (NIS), and any supplemental information furnished in relation to any such report, which was provided to the planning authority for the purposes of the AA (select Document Type: 'NIS - Planning') - enter file name in the table below

* indicates required field

Planning not required



Are there structures or modifications that did not require planning applications that are relevant to this application? (Yes/No)*

DO NOT complete the table below and proceed to the next question.

The following table contains additional guidance for certain columns where you see the small red triangle in the header. To view the guidance simply hover over the column header.

Planning Authority / An Bord Pleanála.	Brief description of structure / modification	Planning Decision	Upload a letter from PA/ABP confirming their determination (select Document Type: <u>'PA/ABP Determination'</u>) - enter file name in table below

* indicates required field

EIS/EIAR



Upload a copy of the latest planning related EIS/EIAR where applicable (select Document Type: '**EIS/EIAR - Planning**').

Latest **EIS/EIAR - Planning** file name: Attachment-6-3-3-2012EIS-C1 to C14 (14 No Files), Attachment-6-3-3-2012EIS-Contents, Attachment-6-3-3-2012EIS-Non-Technical-Summary

Planning and Development Regulations

Considering the installation in its entirety, are any of the activities carried on or to be carried on listed in Schedule 5 of the Planning and Development Regulations 2001 as amended? (Yes/No)*

Yes

If 'Yes', identify in a table to be uploaded below, any relevant project listed in Schedule 5 (of the Planning and Development Regulations 2001 as amended) even if the threshold for that project is not exceeded (select Document Type: '**Project and Threshold - Planning**').

Project & Threshold - Planning file name: Attachment-6-3-4-ProjectThreshold-Planning

* indicates required field

6.4. Other Consents Granted - Page 1 of 3



Are there any consents granted, other than planning above, that require EIA and/or AA or screening for AA and that are relevant to this application? **(Yes/No)***

No

Complete the table below with summary details of the other consents that require EIA and/or AA and that are relevant to this application

The following table contains additional guidance for certain columns where you see the small red triangle in the header. To view the guidance simply hover over the column header.

Consent Reference No.	Competent Authority	Date of Grant of Consent	Brief Description	Was an EIS/EIAR required to be submitted with Consent Application? (Yes/No)	Did Public Authority determine that an AA was required for the consent? (Yes/No)

PAGE BREAK FOR PRINTING

* indicates required field

Other Consents Granted - Page 2 of 3

Upload determination (select Document Type: ' <u>Other Public Authority Determination</u> ') - enter file name in table below	Upload screening for Appropriate Assessment report, and any supplemental information furnished in relation to any such report, which has been provided to a public authority for the purposes of the Appropriate Assessment for any other consents (select Document Type: ' <u>AA Screening - Other Public Authority</u> ') - enter file name in table below	Where applicable, submit a copy of any determination that an AA is required made by a public authority (select Document Type: ' <u>Other Public Authority Determination</u> ') - enter file name in table below	Is the NIS provided different to the one uploaded in Section 6.2? (Yes/No)	PAGE BREAK FOR PRINTING

* indicates required field

Other Consents Granted - Page 3 of 3

<p>Upload NIS, and any supplemental information furnished in relation to any such statement, which has been provided to a public authority for the purposes of the Appropriate Assessment (select Document Type: 'NIS - Other Public Authority') - enter file name in table below</p>

* indicates required field

6.5. Other Consents - Licences and Permits

For the site of the activity, complete the table below with references to **all licences and permits past and present**, including those in force at the time of submission of this application. (This should include, but is not limited to, any permits/licenses or registration under GHG Emissions Trading Regulations and GMO Regulations and any applications which did not result in the grant of a permit/licence or registration).

Application/Licence/ Permit reference number	Brief Description	Date Granted	Currently in force? (Yes/No)
WPW/F/075	Attachment-6-5-FCC-Discharge Licence	07/12/2012	Yes

* indicates required field

6.6. Declaration of Waste Authorisation

Has a request under Article 11 of the Waste Management (Facility Permit and Registration) Regulations 2007 as amended been submitted previously in relation to this site? (Yes/No)*

No

DO NOT complete the next question and proceed to 6.7.

If 'Yes' please provide the Article 11 request number(s), where applicable:

6.7. Site Notice, Newspaper Advertisement and Planning Authority Notice

Provide the following in accordance with Regulation 5, 6 and 8 of the Industrial Emissions/Integrated Pollution Control (Licensing) Regulations or Article 6, 7 and 9 of the Waste Management (Licensing) Regulations 2004 as amended.*

Upload a copy of the **text of the site notice** (select Document Type: 'Evidence of Notices')

Site notice file name:*

Attachment-6-7-1-HuntstownSouthWRF-SiteNotice

Upload a scanned copy of the **newspaper notice** (that clearly identifies the advertisement and name and date of the newspaper. **For data protection purposes no other text should be visible on the scanned copy, i.e., all other text should be covered or redacted** (select Document Type: 'Evidence of Notices').

Newspaper notice file name:*

Attachment-6-7-2-HuntstownSouthWRF-PublicNotice

Upload an appropriately scaled **map showing the location of the site notice** (no larger than A3) (select Document Type: 'Evidence of Notices')

Site notice map file name:*

Attachment-6-7-3-HuntstownSouthWRF-NoticeMap

Upload a copy of the **notice required to be given to the Planning Authority**, where applicable (select Document Type: 'Evidence of Notices')

Planning authority notice file name:*

Attachment-6-7-4-HuntstownSouthWRF_PANotification

6.8. Confidential Information

Should you consider information to be confidential, this information should be submitted in a separate enclosure to the headquarters of the EPA bearing the legend “In the event this information is deemed not to be held as confidential, it must be returned to”. In the event that the information is considered to be of a confidential nature, then the nature of this information, and the reasons why it is considered confidential (with reference to the “Access to Information on the Environment” Regulations) should be stated in the submission and the ‘Application Form’, where relevant.

Have you submitted information you consider to be confidential to the headquarters of the EPA? **(Yes/No)** *

No

If 'Yes' please state below: (1) **the nature of the information**; (2) **the reasons why it is considered confidential** (with reference to the "Access to Information on the Environment" Regulations), and; (3) **the date the information was sent to the headquarters of the EPA**.

6.9. Stakeholder Engagement Upload Files

State the number of upload files referred to and named in this attachment document? *

30

* indicates required field

ATTACHMENT 6-3-1 (SUPPLEMENTARY)
FINAL PLANNING DECISION FW22A/0258
PLANNERS REPORT

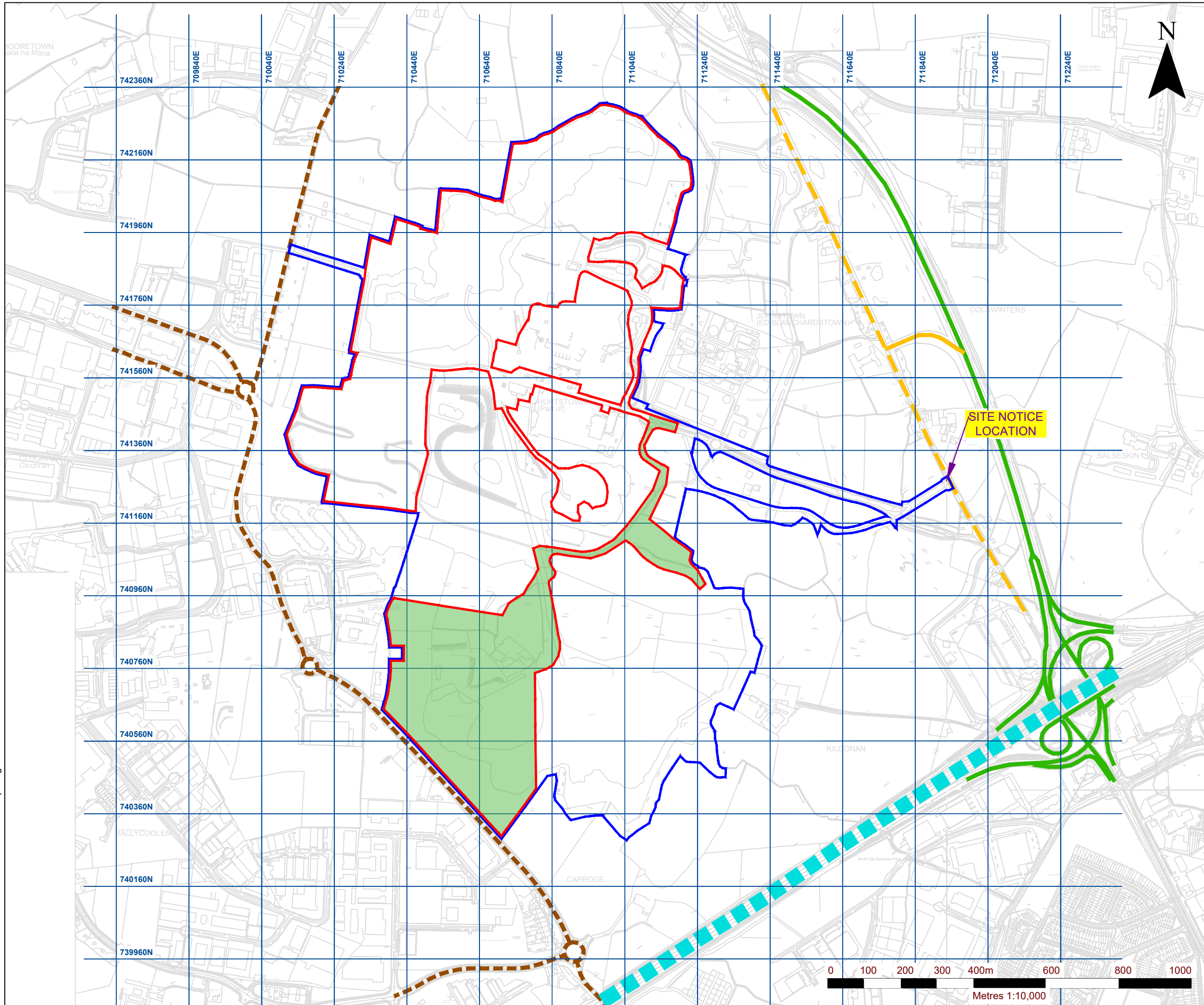


**ATTACHMENT 6-3-2 (SUPPLEMENTARY)
APPROPRIATE ASSESSMENT SCREENING REPORT
(ACCOMPANYING APPLICATION FW22A/258)**



ATTACHMENT 6-7-3 (REVISED)
SITE LOCATION PLAN





NOTES

- EXTRACT FROM 1:2,500 ORDNANCE SURVEY DIGITAL SHEET NO'S. 3062-A, 3062-B, 3062-C, 3062-D, 3063-A, 3063-C, 3130-A & 3130-B.
- ORDNANCE SURVEY IRELAND LICENCE NO. CYAL50381397 (C) ORDNANCE SURVEY IRELAND/ GOVERNMENT OF IRELAND

LEGEND

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	R135 REGIONAL ROAD (NORTH ROAD)
	LOCAL ROAD
	M50 MOTORWAY

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ROADSTONE LIMITED
WASTE LICENCE REVIEW APPLICATION

HUNTSTOWN WASTE RECOVERY FACILITY
NORTH ROAD, FINGLAS, DUBLIN 11

SITE NOTICE LOCATION MAP

FIGURE 6-7-3

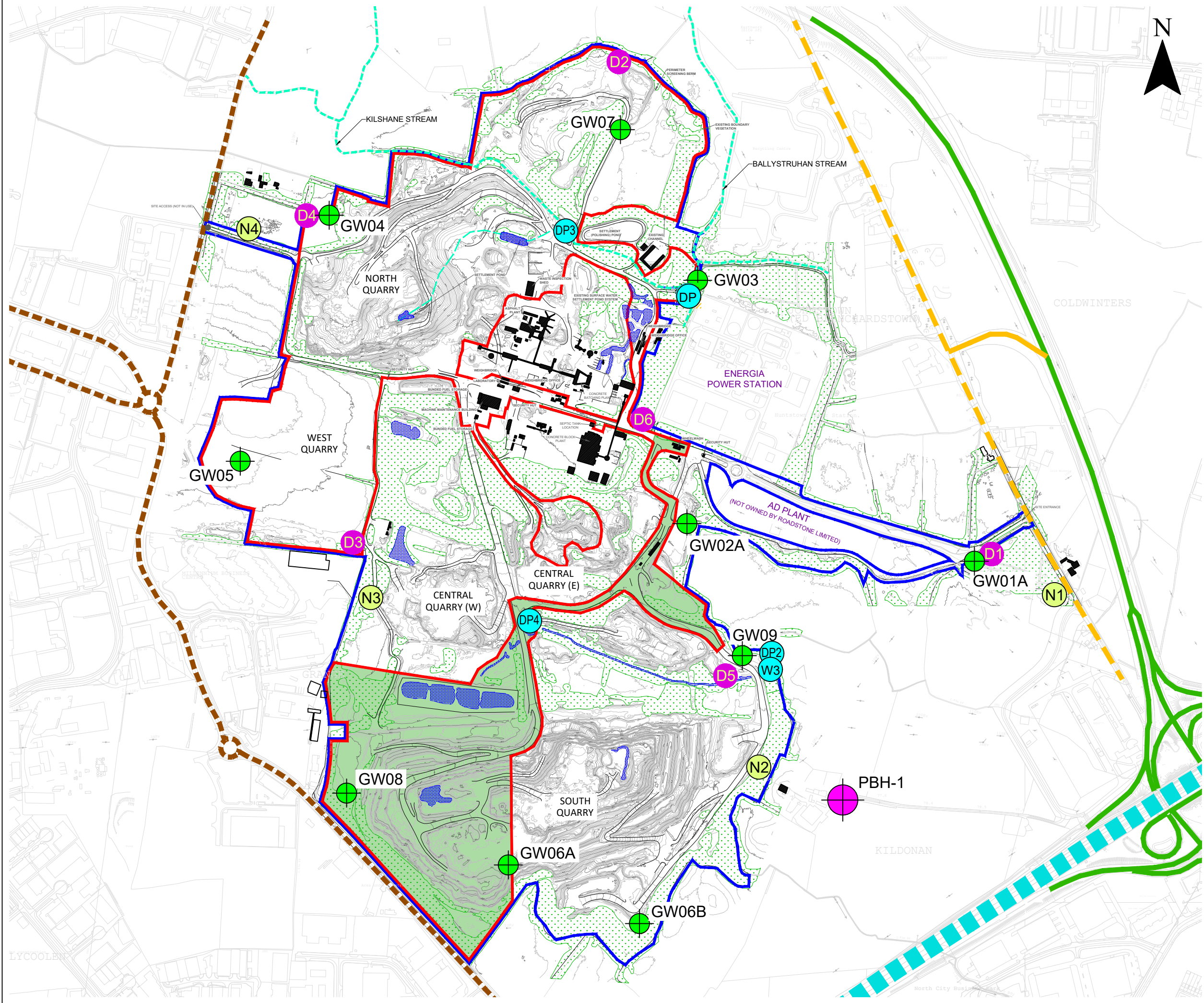
Scale
1:10,000 @ A3

Date
JULY 2024

ATTACHMENT 7-1-3-1 (REVISED FIGURES)
EMISSIONS COMPLIANCE REPORT



0180.00313.FIG 7-1-3-1A.Environmental Monitoring Locations.dwg



NOTES

- EXTRACT FROM 1:2,500 ORDNANCE SURVEY DIGITAL SHEET NO'S. 3062-A, 3062-B, 3062-C, 3062-D, 3063-A, 3063-C, 3130-A & 3130-B.
- ORDNANCE SURVEY IRELAND LICENCE NO. CYAL50381397 (C) ORDNANCE SURVEY IRELAND/ GOVERNMENT OF IRELAND
- SURVEY COMPLETED ON AUGUST 2021 BY ASM IRELAND TO ITM AND MALIN HEAD DATUM

LEGEND

	ROADSTONE LIMITED LAND INTEREST (C. 163.3 HA)
	AMENDED WASTE LICENCE AREA (COMPRISING EXISTING LICENCE AREA AND PROPOSED EXTENSION) (C. 79.2 HA)
	PROPOSED EXTENSION TO CURRENT WASTE LICENCE AREA
	N2 DUAL CARRIAGEWAY
	R135 REGIONAL ROAD (NORTH ROAD)
	LOCAL ROAD
	ON-SITE GROUNDWATER WELL LOCATIONS
	PRIVATE WELLS
	HUNTSTOWN POWER STATION WELL LOCATIONS
	NOISE MONITORING LOCATION
	DUST MONITORING LOCATION
	SURFACE WATER MONITORING LOCATION
	DISCHARGE POINT LOCATION

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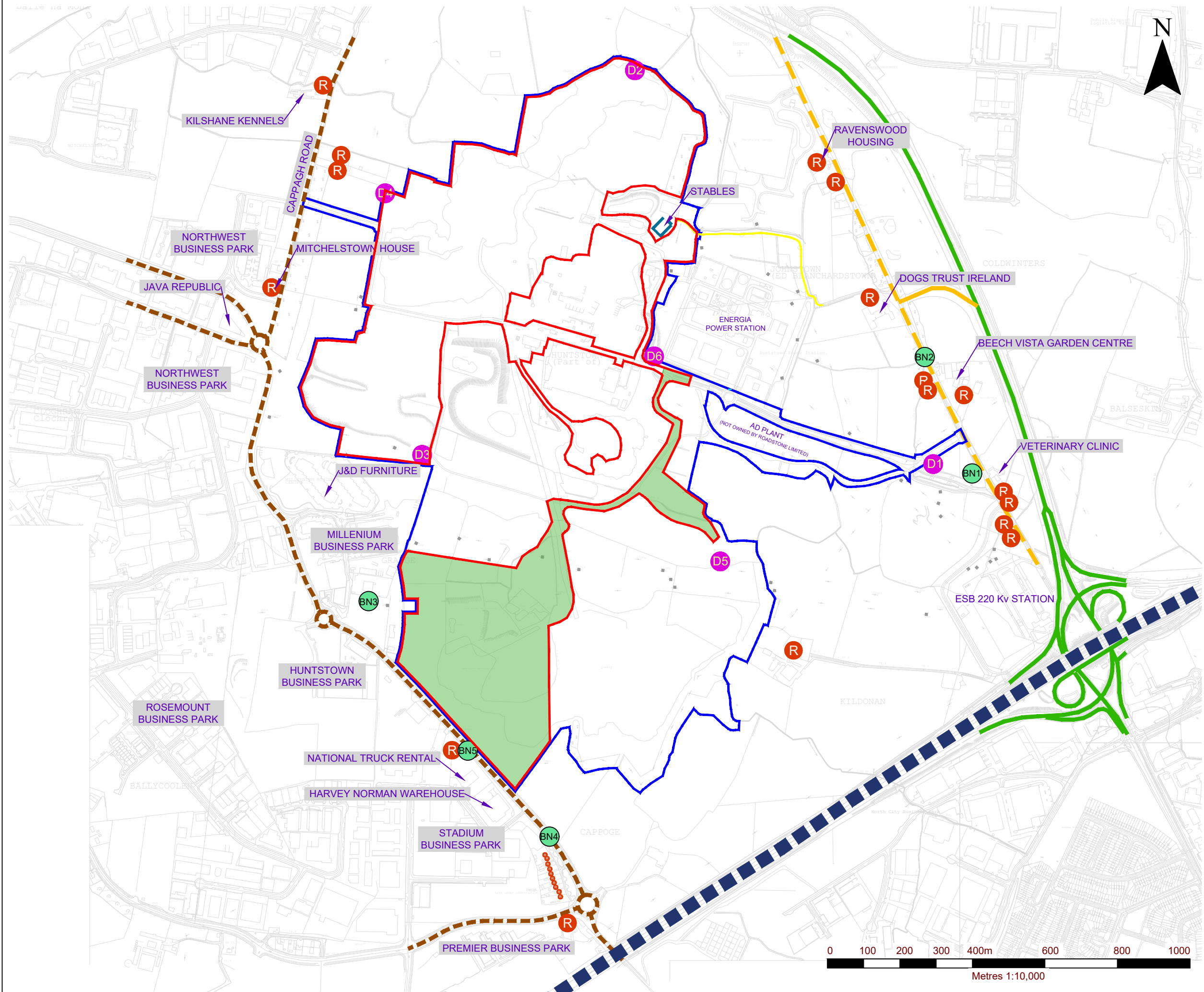
ROADSTONE LIMITED
 WASTE LICENCE REVIEW APPLICATION
 HUNTSTOWN WASTE RECOVERY FACILITY
 NORTH ROAD, FINGLAS, DUBLIN 11
ENVIRONMENTAL MONITORING LOCATIONS

FIGURE 7-1-3-1A

Scale: 1:8,000 @ A3 Date: JULY 2024

ATTACHMENT 7-1-3-2 (REVISED FIGURES)
RECEIVING ENVIRONMENTAL REPORT





NOTES

1. EXTRACT FROM 1:2,500 ORDNANCE SURVEY DIGITAL SHEET NO'S. 3062-A, 3062-B, 3062-C, 3062-D, 3063-A, 3063-C, 3130-A & 3130-B.

2. ORDNANCE SURVEY IRELAND LICENCE NO. CYAL50381397 (C) ORDNANCE SURVEY IRELAND/ GOVERNMENT OF IRELAND

LEGEND

	ROADSTONE LIMITED LAND INTEREST (C. 163.3 HA)
	AMENDED WASTE LICENCE AREA (COMPRISING EXISTING LICENCE AREA AND PROPOSED EXTENSION) (C. 79.2 HA)
	PROPOSED EXTENSION TO CURRENT WASTE LICENCE AREA
	N2 DUAL CARRIAGEWAY
	R135 REGIONAL ROAD (NORTH ROAD)
	LOCAL ROAD
	M50 MOTORWAY
	LOCATION OF NEAREST RESIDENCES
	BASELINE NOISE SURVEY MONITORING LOCATIONS
	DUST MONITORING LOCATION

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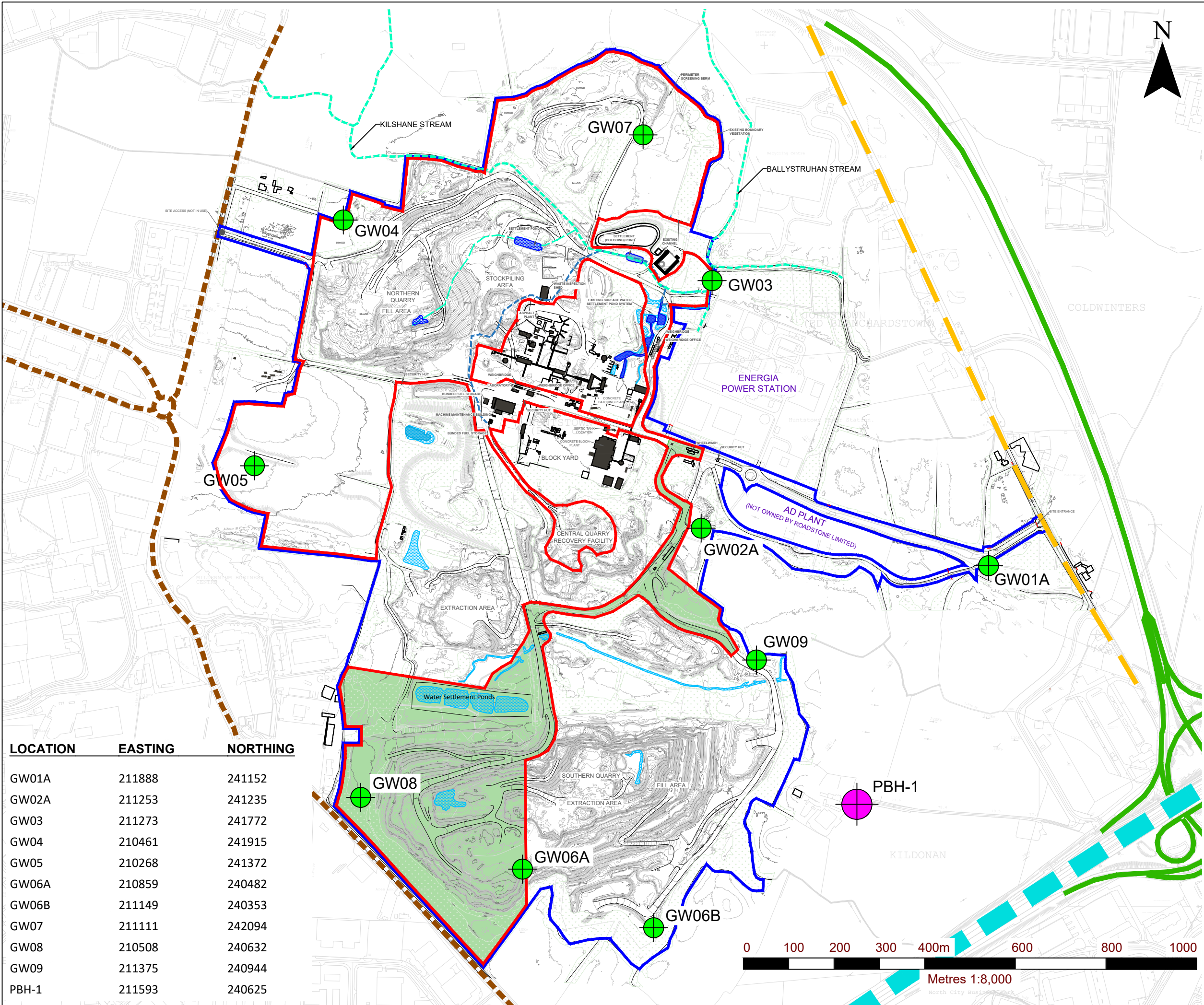
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 WASTE LICENCE REVIEW APPLICATION
 HUNTSTOWN WASTE RECOVERY FACILITY
 NORTH ROAD, FINGLAS, DUBLIN 11
LOCAL RECEPTORS

FIGURE 7-1-3-2A

Scale 1:10,000 @ A3 Date JULY 2024

0180.00313.FIG 7-1-3-2A.Local Receptors.dwg

0180.00313.FIG 7-1-3-2B.Site Layout and Groundwater Monitoring Locations.dwg



NOTES

- EXTRACT FROM 1:2,500 ORDNANCE SURVEY DIGITAL SHEET NO'S. 3062-A, 3062-B, 3062-C, 3062-D, 3063-A, 3063-C, 3130-A & 3130-B.
- ORDNANCE SURVEY IRELAND LICENCE NO. CYAL50381397 (C) ORDNANCE SURVEY IRELAND/ GOVERNMENT OF IRELAND
- SURVEY COMPLETED ON 22ND FEBRUARY 2021 BY ASM IRELAND TO ITM AND MALIN HEAD DATUM

LEGEND

- ROADSTONE LIMITED LAND INTEREST (C. 163.3 HA)
- AMENDED WASTE LICENCE AREA (COMPRISING EXISTING LICENCE AREA AND PROPOSED EXTENSION) (C. 79.2 HA)
- PROPOSED EXTENSION TO CURRENT WASTE LICENCE AREA
- N2 DUAL CARRIAGEWAY
- R135 REGIONAL ROAD (NORTH ROAD)
- LOCAL ROAD
- M50 MOTORWAY
- ON-SITE GROUNDWATER MONITORING WELL LOCATIONS
- PRIVATE WELLS

LOCATION	EASTING	NORTHING
GW01A	211888	241152
GW02A	211253	241235
GW03	211273	241772
GW04	210461	241915
GW05	210268	241372
GW06A	210859	240482
GW06B	211149	240353
GW07	211111	242094
GW08	210508	240632
GW09	211375	240944
PBH-1	211593	240625



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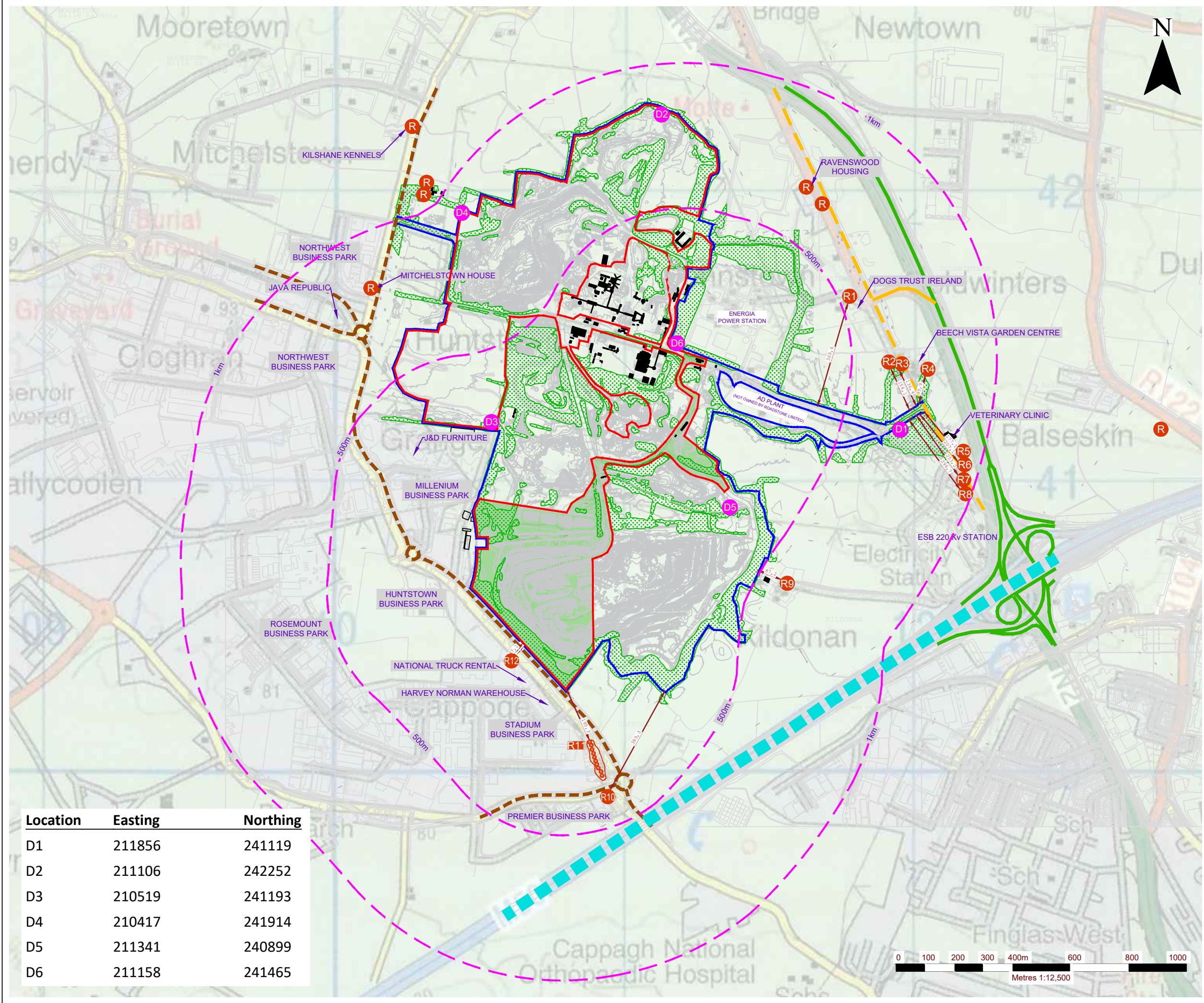
**SITE LAYOUT AND
GROUNDWATER MONITORING LOCATIONS**

FIGURE 7-1-3-2B

Scale: 1:8,000 @ A3 Date: JULY 2024

ATTACHMENT 7-1-3-3 (REVISED FIGURES)
EMISSIONS IMPACT ASSESSMENT





NOTES

- EXTRACT FROM 1:2,500 ORDNANCE SURVEY DIGITAL SHEET NO'S. 3062-A, 3062-B, 3062-C, 3062-D, 3063-A, 3063-C, 3130-A & 3130-B.
- ORDNANCE SURVEY IRELAND LICENCE NO. CYAL50381397 (C) ORDNANCE SURVEY IRELAND/ GOVERNMENT OF IRELAND
- SURVEY COMPLETED ON 22ND FEBRUARY 2021 BY ASM IRELAND TO ITM AND MALIN HEAD DATUM

LEGEND

	ROADSTONE LIMITED LAND INTEREST (C. 163.3 HA)
	AMENDED WASTE LICENCE AREA (COMPRISING EXISTING LICENCE AREA AND PROPOSED EXTENSION) (C. 79.2 HA)
	PROPOSED EXTENSION TO CURRENT WASTE LICENCE AREA
	DUST MONITORING LOCATION
	RECEPTOR LOCATIONS
	500M & 1KM OFFSET FROM APPLICATION AREA
	N2 DUAL CARRIAGEWAY
	R135 REGIONAL ROAD (NORTH ROAD)
	LOCAL ROAD
	M50 MOTORWAY

Location	Easting	Northing
D1	211856	241119
D2	211106	242252
D3	210519	241193
D4	210417	241914
D5	211341	240899
D6	211158	241465

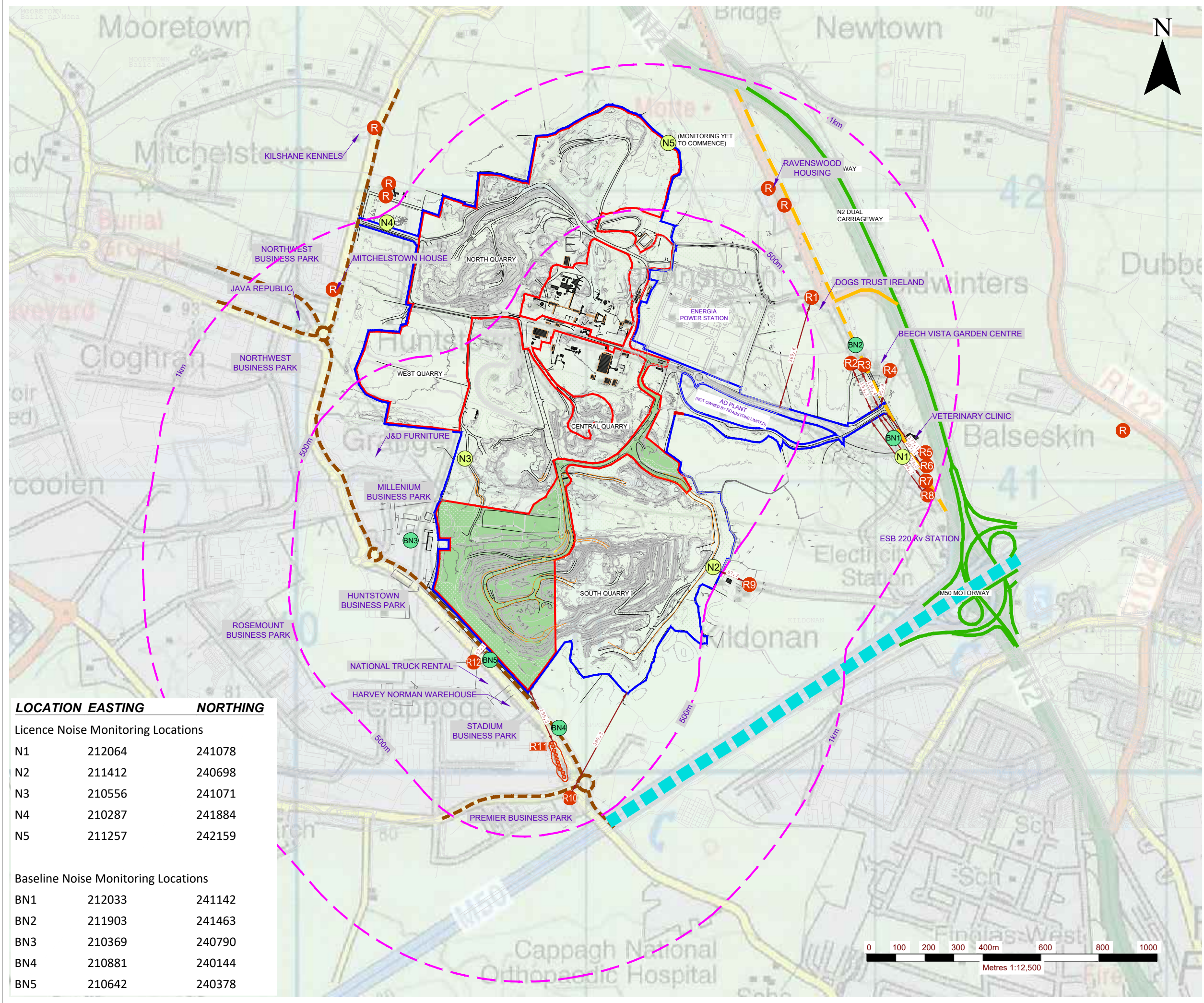
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DUST MONITORING LOCATIONS

FIGURE 7-1-3-3A

Scale 1:12,500 @ A3 Date JULY 2024

0180.00313.FIG 7-1-3-3A.Dust Monitoring Locations2021.dwg



NOTES

- EXTRACT FROM 1:2,500 ORDNANCE SURVEY DIGITAL SHEET NO'S. 3062-A, 3062-B, 3062-C, 3062-D, 3063-A, 3063-C, 3130-A & 3130-B.
- ORDNANCE SURVEY IRELAND LICENCE NO. CYAL50381397 (C) ORDNANCE SURVEY IRELAND/ GOVERNMENT OF IRELAND
- SURVEY COMPLETED ON 22ND FEBRUARY 2021 BY ASM IRELAND TO ITM AND MALIN HEAD DATUM

LEGEND

- ROADSTONE LIMITED LAND INTEREST (C. 163.3 HA)
- AMENDED WASTE LICENCE AREA (COMPRISING EXISTING LICENCE AREA AND PROPOSED EXTENSION) (C. 79.2 HA)
- PROPOSED EXTENSION TO CURRENT WASTE LICENCE AREA
- WASTE LICENCE NOISE MONITORING LOCATIONS
- BASELINE NOISE SURVEY MONITORING LOCATIONS
- RECEPTOR LOCATIONS
- 500M and 1KM OFFSET FROM APPLICATION AREA
- M50 MOTORWAY
- N2 DUAL CARRIAGEWAY
- R135 REGIONAL ROAD (NORTH ROAD)
- LOCAL ROAD

	LOCATION EASTING	NORTHING
Licence Noise Monitoring Locations		
N1	212064	241078
N2	211412	240698
N3	210556	241071
N4	210287	241884
N5	211257	242159
Baseline Noise Monitoring Locations		
BN1	212033	241142
BN2	211903	241463
BN3	210369	240790
BN4	210881	240144
BN5	210642	240378

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NOISE MONITORING LOCATIONS

FIGURE 7-1-3-3B

Scale 1:12,500 @ A3

Date JULY 2024

0180.00313.FIG 7-1-3-3B.Noise Monitoring Locations2021.dwg

ATTACHMENT 7-2 (REVISED)
EMISSIONS TO SURFACE WATER



EPA Application Form

7.2 - Emissions to Surface Water - Attachment

Organisation Name: *

ROADSTONE LIMITED

Application I.D.: *

LA007477

Authorisation Application Form

Amendments to this Application Form Attachment

Version No.	Date	Amendment since previous version	Reason
V.1.0	July 2017	N/A	Online application form attachment
As above	Mar 2018	Identification of required fields	Assist correct completion of attachment



Authorisation Application Form

Emissions to Surface Water

This part of the application form collects data on waste water emissions to surface water.

Please note that the emission limit values and monitoring requirements specified in a licence, if granted, shall be based on the information supplied hereunder. (Details of discharges to **storm water** are **NOT** to be entered here but should be included in tab 7.7 of the application form (Discharges to Storm Water).

Waste Water to Surface Water - Emission Point Details - one row per emission point * (see **Note i** at end of this attachment)

(Details for discharges to **storm water** are **NOT** to be entered here)

Emission Point Code ¹	What is the Emission Source?	Easting ² (6 digit)	Northing ³ (6 digit)	Typical Days Usage/ Year	Measures to reduce /minimise / prevent emissions (list techniques) <i>Where EQS considerations require measures stricter than BAT, highlight these measures in bold</i>	Type of Receiving Water ⁴	Receiving Water Code <i>(or name where no code is available)</i>
DP3	Discharge from North Quarry (replaces Emission Point DP)	310993	241880	330	Settlement Pond / Hydrocarbon Interceptor	River	Ballystruhan Stream (IE_EA_08_765)
DP4	Discharge from South Quarry	310906	240995	330	Settlement Pond / Hydrocarbon Interceptor	Land Drain / Ditch	Finglas Stream

* add rows to the table as necessary

¹ The following convention should be observed when labelling emission points to surface water:

SW1, SW2, etc.

² Six Digit GPS Irish National Grid Reference

³ Six Digit GPS Irish National Grid Reference

⁴ Type of Receiving Water options: '**River**', '**Ditch**', '**Estuary**', '**Lake**', '**Land Drain**' or '**Other**' (where '**Other**' is selected please enter a description)

* indicates required field



Authorisation Application Form

Waste Water to Surface Water - Emission Monitoring Points (See Note ii at end of this attachment)

Complete the table below for each emission point, by entering the Emission Point Code, the associated Monitoring Point Code and the grid reference of the Monitoring Point(s) *.

Emission Point Code	Monitoring Point Code	Monitoring Point Grid Reference	
		Easting ⁵	Northing ⁶
DP3	DP3	310993	241880
DP4	DP4	310906	240995

* add rows to the table as necessary

Note: Map(s)/drawing(s) uploaded under 'Site Plans' in Tab 3 of the application form should identify the emission and monitoring points.

⁵ Six Digit GPS Irish National Grid Reference

⁶ Six Digit GPS Irish National Grid Reference

* indicates required field



Authorisation Application Form

Waste Water to Surface Water – Emissions (See Note iii at the end of this attachment)

Complete the table below for each emission point (include one row for each identified parameter) *

Emission Point Code	Parameter	Monitoring Point Code	Proposed Emission Limits				How was the Emission Limit Derived?	BAT Associated Emission Range (if applicable)	Sampling / Monitoring			
			Max Hour	Max Daily	Average Month	Average Annual			Proposed Monitoring Frequency	Sample Method	Analysis Method and Technique	Compliant with BAT Monitoring Requirement?
DP3	Flow	DP		1,800m ³			Waste Licence W0277-03	N/A	Daily	Flow Meter		N/A
DP3	Temperature	DP		25°C			Waste Licence W0277-03	N/A	Weekly	Temp Probe		N/A
DP3	pH	DP		6-9			Waste Licence W0277-03	N/A	Weekly	pH meter		N/A
DP3	BOD	DP		5.0mg/l			Waste Licence W0277-03	N/A	Weekly		Standard Method	N/A
DP3	Suspended Solids	DP		15mg/l			Waste Licence W0277-03	N/A	Weekly		Standard Method	N/A
DP3	Ammonia	DP		0.5mg/l			Waste Licence W0277-03	N/A	Weekly		Standard Method	N/A
DP3	Orthophosphate	DP		0.5mg/l			Waste Licence W0277-03	N/A	Weekly		Standard Method	N/A

* indicates required field



Authorisation Application Form

Emission Point Code	Parameter	Monitoring Point Code	Proposed Emission Limits				How was the Emission Limit Derived?	BAT Associated Emission Range (if applicable)	Sampling / Monitoring			
			Max Hour	Max Daily	Average Month	Average Annual			Proposed Monitoring Frequency	Sample Method	Analysis Method and Technique	Compliant with BAT Monitoring Requirement?
DP4	Flow	DP		7,300m ³			Discharge Licence WPW/F/075	N/A	Daily	Flow Meter		N/A
DP4	Temperature	DP		25°C			Discharge Licence WPW/F/075	N/A	Weekly	Temp Probe		N/A
DP4	pH	DP		6-9			Discharge Licence WPW/F/075	N/A	Weekly	pH meter		N/A
DP4	BOD	DP		5.0mg/l			Discharge Licence WPW/F/075	N/A	Weekly		Standard Method	N/A
DP4	Suspended Solids	DP		30mg/l			Discharge Licence WPW/F/075	N/A	Weekly		Standard Method	N/A
DP4	Ammonia (as N)	DP		0.9mg/l			Discharge Licence WPW/F/075	N/A	Weekly		Standard Method	N/A
DP4	Orthophosphate	DP		0.1mg/l			Discharge Licence WPW/F/075	N/A	Weekly		Standard Method	N/A

* add rows to the table as necessary

* indicates required field

Authorisation Application Form

- Note i** Complete the following table for each emission point having regard to the guidance hereunder.
The following convention should be observed when labelling emission points: Surface water SW1, SW2, etc., A National Grid Reference (12 digit, 6E, 6N) must be given for each emission point.
Describing the source of the emission helps explain the nature of the emission such as process or contaminated run-off etc.
Measures are usually required to reduce, minimise or prevent emissions from occurring. They may involve the application of a single technique or a combination of techniques including process integrated, recovery, abatement and treatment techniques. List all techniques proposed/employed. Technique(s) employed must comply with BAT. Highlight additional measures required for the purposes of protecting the environment, i.e., EQS considerations. The measures or techniques to be taken must be capable of complying with the proposed/known emission level(s).
The measures required shall be informed by the following:
1. BAT techniques with BAT-AEL
 2. BAT techniques without BAT-AEL
 3. Stricter measures/techniques than BAT (due to EQS)
 4. BAT determined by competent authority in consultation with the applicant
 5. Measures to minimise pollution over long distances or in the territory of other states.
 6. Emerging techniques
 7. Less strict measures than BAT (due to derogation)
 8. Other measures

- Note ii** An individual record (i.e., row) is required for each monitoring and sampling point. A National Grid Reference (12 digit, 6 Easting, 6 Northing) must be given for each monitoring point.

- Note iii** Complete the following table for each emission point having regard to the guidance hereunder.
Characterise the emissions (identify the parameters) under normal operation. The parameters also cover volumes and rates of emission. Those substances which are likely to be emitted in significant quantities, having regard to their potential to transfer pollution from one medium to another must be identified and the applicant must determine emission levels having considered the following:

To identify the chemical parameters:

1. substances listed in the Schedule of EPA (Industrial Emissions)(Licensing) Regulations 2013, S.I. No. 137 of 2013,
2. IED chapters III, IV, V VI where relevant
3. The fate of materials/substances, intermediates, products and by products used or produced through the process particularly substances of very high concern, substances carrying the Hazard statement H400 to 413 (hazardous to the aquatic environment) and hazardous substances with damaging effects on sensitive plants and ecosystems.
4. Any reaction substances likely to appear as a result of treatment or natural breakdown processes with damaging effects on sensitive plants and ecosystems.
5. any substances with the potential to cause odour nuisance off site.
6. List I and List II substances listed in the Annex to EU Directive 2006/11/EC (as amended).

To determine the emission levels:

Authorisation Application Form

The applicant must consider the following:

1. Decision(s) on BAT conclusions /conclusions on Bat (BREF)/ EPA BAT guidance notes
 2. Other BAT determined in consultation
 3. Environmental quality standards and objectives
 4. Measures or controls identified in a pollution reduction plan for the river basin district prepared in accordance with Part V of the EC Environmental Objectives (Surface Waters) Regulations 2009 for the reduction of pollution by priority substances or the ceasing or phasing out of emissions, discharges and losses of priority hazardous substances.
 5. If relevant, the Urban Waste Water Treatment Regulations 2001 (S.I. No. 254 of 2001) as amended by the Urban Waste Water Treatment (Amendment) Regulations 2004 (S.I. No. 440 of 2004) or any further amendment thereof
- The applicant is wholly responsible for a true and accurate description of the emission. Any person who gives to the Agency information which is false or misleading in a material respect is guilty of an offence.

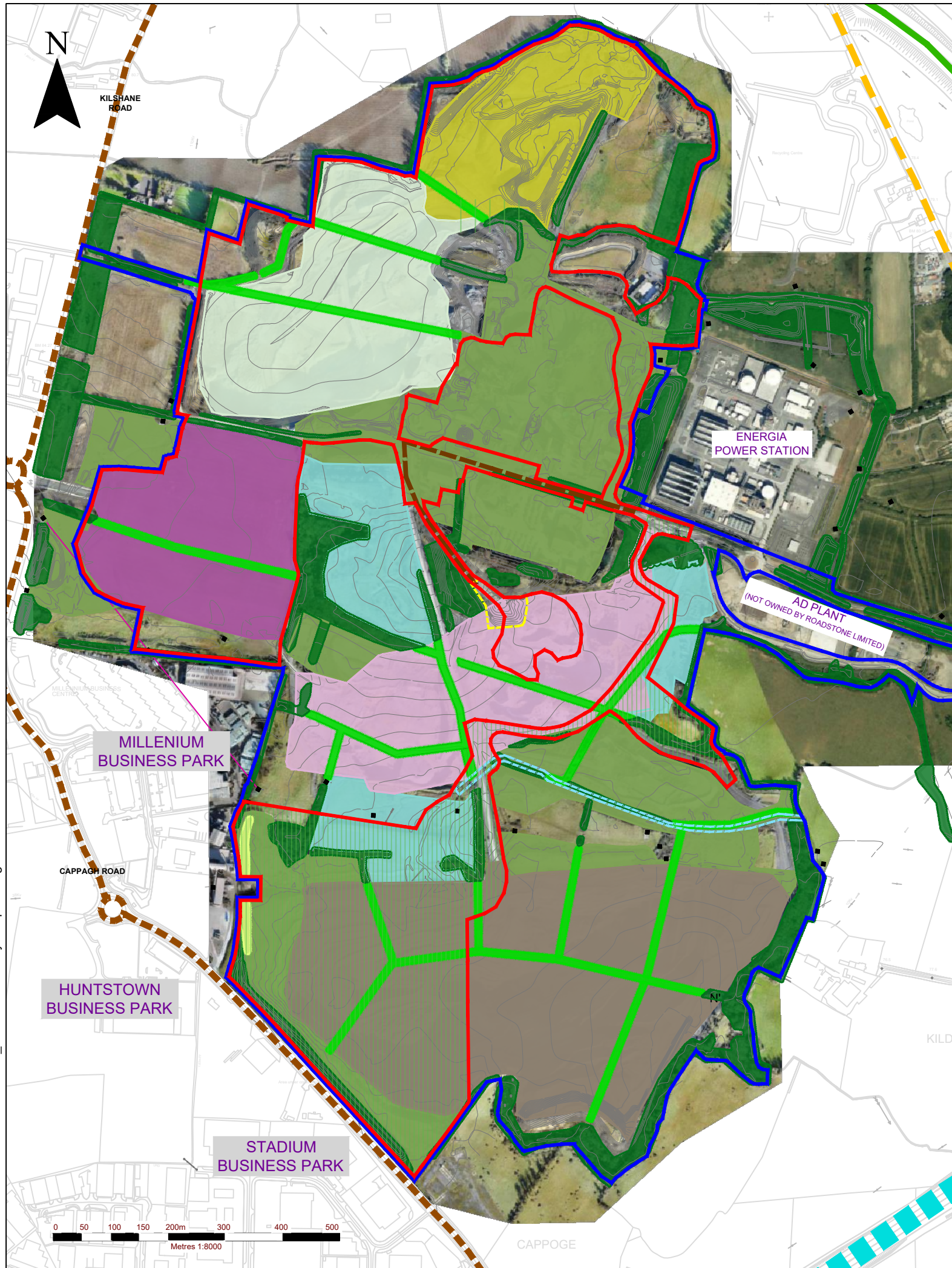
The applicant must provide the basis upon which the emission level was determined. There are five categories as follows:

- a. Emission levels based on BAT
- b. Emission levels that are stricter than BAT due to the EQS
- c. Temporary Emissions levels associated with an emerging technique (less strict than BAT)
- d. Emission levels based on a derogation (less strict than BAT)
- e. Emission levels for other substances based on EQS

Monitoring requirements must be in line with any conclusion on monitoring as described in the decision on BAT conclusion/ BAT conclusion/ BAT guidance.

ATTACHMENT 9-2-3 (REVISED FIGURE)
SITE CLOSURE PLAN





LANDSCAPE AND RESTORATION SCHEME

On completion of the extraction works, it is proposed to fill the quarry voids using imported inert soils and overburden and topsoil stored on site. The western quarry was restored without having been quarried for rock. The remaining quarry areas will be returned to agricultural after-use, with the exception of the Central Quarry which will be restored to calcareous grassland, to increase the biodiversity of the site and connect the existing wildlife areas. The final restored levels will be similar to the previous levels, prior to any extraction works taking place. Restoration will take place in a phased manner, as extraction operations cease in a given area and are subject to waste licenses being granted. In order to divide the large sites into smaller compartments, it is proposed to carry out native hedge planting in the location of former boundary lines, as indicated on the plan.

Please note that Roadstone Ltd are committed to pump all of the worked out quarry voids until such time that waste licenses are granted and the voids are filled to above the ground water level, in order to avoid large water bodies forming.

CULTIVATION, GRASS SEEDING AND ESTABLISHMENT (AGRICULTURAL GRASSLAND)

Following cessation of landform construction, topsoil and soil forming materials, from storage mounds on site, are to be spread over the areas to be restored to grassland. All soil handling to be carried out in accordance with current best practice guidance.

Final cultivations will include raking the seeding area with a chain harrow or drag mat to form a true, even surface, suitable for subsequent maintenance by mechanical blade trimming and extending the cultivation into any adjacent existing areas to ensure full marrying in of levels and to achieve a fine till.

For all areas, an agricultural seed mix suitable for the intended land use will be evenly sown, in calm weather, at an appropriate time of year (for example September) at the rate recommended by the manufacturer. The seed to be used is to be fresh and for use in the season of seeding. A certificate is to be provided in respect of each consignment of seed mix giving the supplier's name, the proportions of constituents of the mixture and a signature of the representative of the supplier.

The contractor shall mix the seed well with bulking agent, e.g. dry sand, in order to assist an even distribution. The seed will be mixed well before application and frequently during application. The seed will be divided into two equal sowings in two transverse directions at the specified rates. After seeding, the soil will be lightly harrowed or surface raked and rolled lightly, for example with a Cambridge roller, to ensure a good contact between soil and seed.

When the grass is between 40mm and 75mm high, the contractor will remove debris and all stones and clay balls larger than 40mm in any dimensions and roll the area with a light roller. The area will be cut to approximately 35mm high. Spot treatment using a selective herbicide shall be applied to pernicious agricultural weeds, such as thistle, docks and ragwort.

CALCAREOUS GRASSLAND

As far as practically possible, the in-filled Central Quarry will be restored to fields supporting calcareous grassland. As the landform construction is nearing completion, guidance will be sought from an experienced ecological consultant. It is envisaged that it should be possible to collect seed and/or take hay cuts for seeding from the existing fields along the eastern boundary of the Central Quarry. In any case no fertiliser will be applied to this area, to ensure the best chance of developing a species rich sward.

PROPOSED NATIVE WOODLAND SCREEN AND HEDGE PLANTING

Approximately 3,000 sq.m. of woodland screen planting is to be carried out and it to be planted at 1.5m centres, in same species groups of 20-30. Groups are to be randomly spread throughout the planting blocks.

Approximately 4,800 lin.m. of hedge will be planted in total. Hedges are to be planted in two staggered rows, with plants within each row 50cm apart (i.e. 4 plants per m) and rows 50cm apart. Feathered trees to be planted at distances of 8-16m and staked. Transplants to be planted randomly in same species groups of 10-20.

Trees shall conform to BS3936 for nursery stock and shall be supplied true to size and species name, as per the tables below. All proposed plant species are native and will be sourced locally. The percentage of berry producing trees is low, in order not to attract a large amount of birds, which could result in a hazard for Dublin Airport. Planting is to take place between the months of November and March.

All plant handling, planting works and aftercare will be carried out in accordance with the CPSE Recommendations for Plant Handling. Establishment maintenance to be carried out for 24 months following the completion of each planting phase.




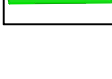

Native Woodland Screen Planting Mix

No.	Plant Name	Common Name	Height (cm)	Age/Pot Size	%
<i>Transplants</i>					
390	<i>Alnus glutinosa</i>	Common Alder	60-90	1+1	30
260	<i>Corylus avellana</i>	Hazel	60-90	1+0	20
390	<i>Euonymus europaeus</i>	Spindle Tree	60-90	1+1	30
130	<i>Quercus robur</i>	Pedunculate Oak	60-90	1+1	10
130	<i>Salix caprea</i>	Goat Willow	60-120	0+1	10

Native Hedge Planting Mix

No.	Plant Name	Common Name	Height (cm)	Age/Pot Size	%
<i>Feathered Trees</i>					
190	<i>Alnus glutinosa</i>	Common Alder	150-175	2xTR	1
190	<i>Quercus robur</i>	Pedunculate Oak	150-175	2xTR	1
<i>Transplants</i>					
3450	<i>Alnus glutinosa</i>	Common Alder	60-90	1+1	18
4800	<i>Corylus avellana</i>	Hazel	60-90	1+0	25
2880	<i>Crataegus monogyna</i>	Hawthorn	60-90	1+1	15
4800	<i>Euonymus europaeus</i>	Spindle Tree	60-90	1+1	25
1920	<i>Prunus spinosa</i>	Blackthorn	60-90	1+0	10
960	<i>Sorbus aucuparia</i>	Rowan	60-90	1+1	5



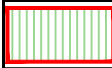




PROPOSED RESTORATION FEATURES

-  PROCESSING AREA, DISTURBED GROUND & OVERBURDEN AREAS TO BE LEVELLED AND RESTORED TO AGRICULTURAL LAND
-  CENTRAL QUARRY AREA TO BE BACK-FILLED AND RESTORED TO CALCAREOUS GRASSLAND SUBJECT TO FUTURE WASTE LICENCE APPLICATION
-  PROPOSED HEDGEROWS IN THE APPROXIMATE LOCATIONS OF FORMER BOUNDARY LINES
-  RETAINED QUARRY FACE FOR FUTURE ACCESS TO VIEW TOBER COLLEEN FORMATION OVERLAYING WAULSORTIAN LIMESTONE
-  RETAINED INTERNAL ACCESS ROAD TO VIEW QUARRY FACE


NOTES

1. EXTRACT FROM 1:2,500 ORDINANCE SURVEY DIGITAL SHEET NO'S. 3062-A, 3062-B, 3062-C, 3062-D, 3063-A, 3063-C, 3130-A & 3130-B.
 2. ORDINANCE SURVEY IRELAND LICENCE NO. CYAL50381397 (C) ORDINANCE SURVEY IRELAND/ GOVERNMENT OF IRELAND
 3. SURVEY COMPLETED ON AUGUST 2021 BY ASM IRELAND TO ITM AND MALIN HEAD DATUM
- TOPOGRAPHIC SURVEY PREPARED BY FUGRO BKS BASED ON MAY 2009 AERIAL PHOTOGRAPHY
ALSO REFER TO FIGURES 5: RESTORATION SECTIONS (SOUTHERN QUARRY)





LEGEND

-  ROADSTONE LIMITED LAND INTEREST (C. 163.3 HA)
-  AMENDED WASTE LICENCE AREA (COMPRISING EXISTING LICENCE AREA AND PROPOSED EXTENSION) (C. 79.2 HA)
-  PROPOSED EXTENSION TO CURRENT WASTE LICENCE AREA
-  HEDGEROWS AND SCREEN PLANTING BELTS
-  WILDLIFE AREAS
-  AREA PREVIOUSLY BACK-FILLED UNDER WASTE FACILITY PERMIT
-  STREAM CORRIDOR FROM WILDLIFE AREA TO EASTERN BOUNDARY OF SITE

PROPOSED LANDSCAPE FEATURES

-  PROPOSED WOODLAND SCREEN PLANTING ALONG PARTS OF WESTERN BOUNDARY

PROPOSED RESTORATION FEATURES

-  PROPOSED RESTORATION CONTOURS
-  NORTH QUARRY AREA CURRENTLY BEING BACK-FILLED AND RESTORED TO AGRICULTURAL LAND UNDER EXISTING WASTE LICENCE (REF: W0277-01)
-  RECENTLY BACKFILLED WESTERN QUARRY AREA, RESTORED TO AGRICULTURAL LAND
-  SOUTH QUARRY AREA TO BE BACK-FILLED AND RESTORED TO AGRICULTURAL LAND SUBJECT TO FUTURE WASTE LICENCE APPLICATION

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ROADSTONE LIMITED
WASTE LICENCE REVIEW APPLICATION
HUNTSTOWN WASTE RECOVERY FACILITY
NORTH ROAD, FINGLAS, DUBLIN 11
RESTORATION PLAN
HUNTSTOWN QUARRY COMPLEX

FIGURE 9-1

Scale: 1:8,000 @ A3 Date: JULY 2024

0180_00313.FIG 9-1.Restoration Plan_Huntstown QuarryComplex.dwg