



DONEGAL COUNTY DEVELOPMENT PLAN 2024-2030

Strategic Flood Risk Assessment FINAL



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Donegal County Council County Development Plan

Final Strategic Flood Risk Assessment

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Donegal County Council County Development Plan

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1. INTRODUCTION

1.1 Commission

Roughan & O'Donovan Consulting Engineers (ROD) was commissioned by Donegal County Council (DCC) to prepare a Strategic Flood Risk Assessment to supplement the preparation process and review of the Donegal County Development Plan 2024-2030. The Development Plan will shape the future growth of the County over the 6-year period of the plan and beyond.

1.2 Scope

The scope of this report is as follows:

- Provide an assessment/identification of flood risk for the Development Plan area in accordance with "The Planning System and Flood Risk Management – Guidelines for Planning Authorities" (The Guidelines), 2009, published by the Department for the Environment, Heritage and Local Government and the Office of Public Works (OPW).
- Undertake a Flood Risk Assessment Report assessing the hydrology and hydraulics and determining mechanisms of flooding in the Development Plan area, taking into account anticipated future increases in rainfall, river flows and sea level rise as a result of climate change.
- Provide recommendations for future flood risk assessments for proposed developments and planning applications, in accordance with The Guidelines.
- A Strategic Flood Risk Assessment is being prepared as part of the Letterkenny Local Area Plan and therefore a Stage 2 Initial Flood Risk Assessment does not form part of this assessment.
- Strategic Flood Risk Assessments were previously carried out for the towns of An Clochán Liath (Dungloe), Ballyshannon, Carndonagh, Donegal Town, Killybegs and Bridgend as part of the Seven Strategic Town Local Area Plan and therefore a Stage 2 Flood Risk Assessment does not form part of this assessment.

A Stage 1 Flood Risk Identification has been undertaken to identify any flooding or surface water management issues within the County that may warrant further investigation. As part of this stage the most up to date available data at the time of preparation was acquired from the Office of Public Works (OPW) and Donegal County Council. Flood risk information has enabled DCC to apply 'The Guidelines' sequential approach, and where necessary the Justification Test, to appraise sites for suitable land zonings and identify how flood risk can be managed as part of the development plan.

Although great care and modern widely accepted methods have been used in the preparation and interpretation of flood risk areas, there is inevitably a range of inherent uncertainties and assumptions made during the estimation of design flows and the construction of flood models. The inherent uncertainty necessitates a precautionary approach when interpreting flood extent mapping.

1.3 Study Area

The study area comprises the lands and settlements within Donegal County as shown in Figure 1-1 below. Donegal County Council has categorised settlements within the county into four "layers" within a settlement hierarchy: Layer 1, Layer 2A, Layer 2B and Layer 3. Layer 1 is comprised of three settlements, layer 2A is

comprised of six settlements, layer 2B is comprised of eighteen settlements and layer 3 is comprised of thirty settlements.

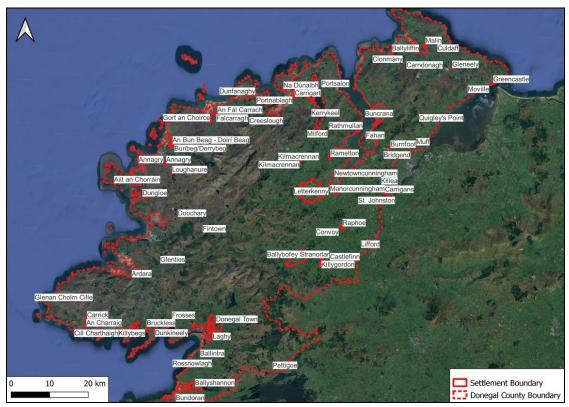


Figure 1-1 Donegal County Development Plan lands (© Google Satellite)

1.4 Catchment Description

The Development Plan area lies within six Hydrometric Areas as defined by the OPW; 01 Foyle, 36 Erne, 37 Donegal Bay North, 38 Gweebarra-Sheephaven, 39 Lough Swilly and 40 Donagh-Moville and contains catchments of the following key rivers: the Foyle, the Swilly and the Erne. The general topography of the county means all major watercourses withing the county flow in a radial pattern from the uplands in the centre and northwest of the county to the coast. The major catchments are outlined in Figure 1-2 below.

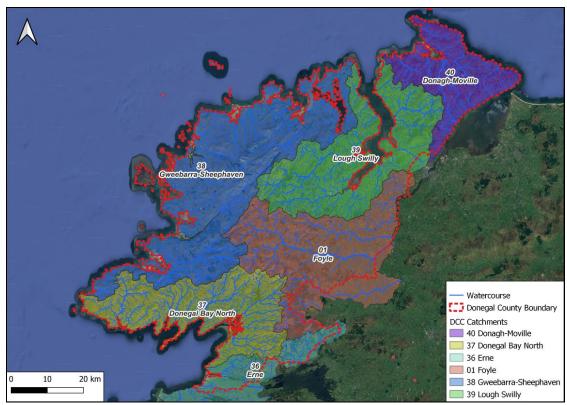


Figure 1-2 Watercourses and catchments within Donegal County (© Google Satellite)

1.5 Existing Land Use Zoning

The study area of Donegal County Council currently comprises 12 different zoning objectives as per the Draft Development Plan and are shown in Table 1-1 below.

Table 1-1 DCC Land Use Zoning Objectives from Development Plan 2024-2030 relating to the Settlement Framework Maps

Zoning	Abbreviation	Objective
Urban Core	UC	To sustain and strengthen town centres as the core for commercial, retail, cultural and community life
New Residential	NRES	To reserve land primarily for new residential development
Established Development	ED	To sustain and strengthen the existing development for commercial, retail, industrial and residential use
Open Space and Recreation	OSR	To reserve and enhance land for open space purposes, and to make provision for new recreation, leisure and community facilities
Caravan Park	СР	To reserve and enhance land for the use as a Caravan Park and ancillary services.
High Amenity	НА	To reserve and enhance land for formal and informal amenity and open space purposes, and to make provision for new recreation, leisure and community facilities
Community Infrastructure	CI	To reserve land for provision of community infrastructure, utilities and services

Zoning	Abbreviation	Objective
Opportunity Site	OPS	To provide for specific development opportunities that are appropriate in terms of mix of use and compatibility with the wider area whilst recognising features of importance that are specific to the site
Business / Enterprise	BE	To provide for the creation and protection of enterprise and facilitate opportunities for employment creation.
Tourism	Т	To reserve land for tourism related activities
Settlement Consolidation Sites	SCS	SCS sites assist in the wider regeneration of the existing built-up area with the potential to deliver significant housing provision or commercial, employment and or mixed-use development.
Strategic Residential Reserve	SRR	To reserve land primarily for residential development
Regeneration	REGEN	To facilitate enterprise and/or residential-led regeneration subject to a development framework or plan for the area incorporating phasing and infrastructure delivery
Rural / Agricultural	RA	To reserve and enhance land for rural and agricultural purposes
Transport and Utilities Infrastructure	TUI	Provide for transport and utilities infrastructure
Coastal Management Zone	CMZ	To ensure that this area remains free from development but facilitates access as an important local amenity

2. METHODOLOGY

2.1 Introduction

This report has been prepared in accordance with 'The Planning System and Flood Risk Management Guidelines for Planning Authorities' herein referred to as 'The Guidelines' as published by the Office of Public Works (OPW) and Department of Environment, Heritage and Local Government (DoEHLG) in 2009.

2.2 Definition of Flood Risk

Flood risk is a combination of the likelihood of a flood event occurring and the potential consequences arising from that flood event and is then normally expressed in terms of the following relationship:

Flood risk = Likelihood of flooding x Consequences of flooding.

To fully assess flood risk an understanding of where the water comes from (i.e. the source), how and where it flows (i.e. the pathways) and the people and assets affected by it (i.e. the receptors) is required. Figure 2-1 below shows a source-pathway-receptor model reproduced from 'The Guidelines'.

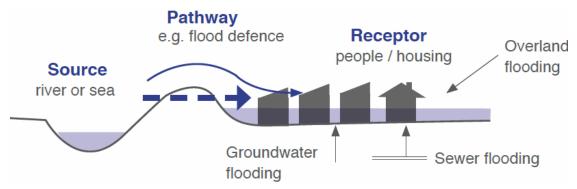


Figure 2-1 Source-Pathway-Receptor Model

The principal sources of flooding are rainfall or higher than normal sea levels. The principal pathways are rivers, drains, sewers, overland flow and river and coastal floodplains. The receptors can include people, their property and the environment. All three elements as well as the vulnerability and exposure of receptors must be examined to determine the potential consequences.

2.3 Likelihood of Flooding

The Guidelines define the likelihood of flooding as the percentage probability of a flood of a given magnitude or severity occurring or being exceeded in any given year. It is generally expressed as a return period or annual exceedance probability (AEP). A 1% AEP flood indicates a flood event that will be equalled or exceeded on average once every hundred years and has a return period of 1 in 100 years. Annual Exceedance Probability is the inverse of return period as shown in Table 2-1 below.

Table 2-1 Correlation between return period and AEP

Return Period (years)	Annual Exceedance Probability (%)
1	100
10	10
50	2

Return Period (years)	Annual Exceedance Probability (%)
100	1
200	0.5
1000	0.1

2.4 Definition of Flood Zones

Flood zones are geographical areas within which the likelihood of flooding is in a particular range and are split into three categories in The Guidelines:

Flood Zone A

Flood Zone A where the probability of flooding from rivers and the sea is highest (greater than 1% or 1 in 100 for river flooding or 0.5% or 1 in 200 for coastal flooding).

Flood Zone B

Flood Zone B where the probability of flooding from rivers and the sea is moderate (between 0.1% or 1 in 1000 and 1% or 1 in 100 for river flooding and between 0.1% or 1 in 1000 and 0.5% or 1 in 200 for coastal flooding);

Flood Zone C

Flood Zone C where the probability of flooding from rivers and the sea is low (less than 0.1% or 1 in 1000 for both river and coastal flooding. Flood Zone C covers all plan areas which are not in zones A or B.

It is important to note that when determining flood zones, the presence of flood protection structures should be ignored. This is because areas protected by flood defences still carry a residual risk from overtopping or breach of defences and the fact that there is no guarantee that the defences will be maintained in perpetuity.

2.5 Objectives and Principles of the Planning Guidelines

The principle actions when considering flood risk are set out in the planning quidelines and are summarised below:

- "Flood hazard and potential risk should be determined at the earliest stage of the planning process..."
- "Development should preferentially be located in areas with little or no flood hazard thereby avoiding or minimising the risk...."
- "Development should only be permitted in areas at risk of flooding when there are no alternatives, reasonable sites available..."
- "Where development is necessary in areas at risk of flooding an appropriate land use should be selected"
- A precautionary approach should be applied, where necessary, to reflect uncertainties in flooding datasets and risk assessment techniques..."
- "Land required for current and future flood management... should be proactively identified..."
- "Flood risk to, and arising from, new development should be managed through location, layout and design incorporating Sustainable Drainage Systems (SuDS) and compensation for any loss of floodplain..."

• Strategic environmental assessment (SEA) of regional planning guidelines, development plans and Masterplans should include flood risk as one of the key environmental criteria..."

2.6 The Sequential Approach and Justification Test

The Guidelines outline the sequential approach that is to be applied to all levels of the planning process. This approach should also be used in the design and layout of a development and the broad philosophy is shown in Figure 2-2 below. In general, development in areas with a high risk of flooding should be avoided as per the sequential approach. However, this is not always possible as many town and city centres are within flood zones and are targeted for development.



Figure 2-2 Sequential Approach (The Guidelines)

The Justification Test has been designed to rigorously assess the appropriateness, or otherwise, of developments that are being considered in areas of moderate or high flood risk. The test comprises the following two processes.

- The first is the Plan-making Justification Test and is used at the plan preparation and adoption stage where it is intended to zone or otherwise designate land which is at moderate or high risk of flooding.
- The second is the Development Management Justification Test and is used at the planning application stage where it is intended to develop land at moderate or high risk of flooding for uses or development vulnerable to flooding that would generally be inappropriate for that land.

Table 2-2 below illustrates the types of development that would be required to meet the Justification Test.

Table 2-2 Matrix of Vulnerability Versus Flood Zone to Illustrate Appropriate Development and that Required to Meet the Justification Test (The Guidelines)

Vulnerability Class (The Guidelines section 3.5)	Flood Zone A	Flood Zone B	Flood Zone C
Highly vulnerable development (including essential infrastructure)	Justification Test	Justification Test	Appropriate
Less vulnerable development	Justification Test	Appropriate	Appropriate
Water-compatible development	Appropriate	Appropriate	Appropriate

2.7 Zoning Vulnerability Classification

The zonings proposed as part of the Draft County Development Plan have been classified with regard to their vulnerability in accordance with the Guidelines. This is presented in Table 2-3 below.

Table 2-3 Proposed Zoning Vulnerability

Zoning	Vulnerability Class	Land uses and types of development which include*:
Urban Core (UC), New Residential (NRES), Established Development (ED), Caravan Park (CP), Strategic Residential Reserve (SRR), Community Infrastructure (CI), Settlement Consolidation Sites (SCS)	Highly vulnerable development (including essential infrastructure)	 Garda, ambulance and fire stations and command centres required to be operational during flooding; Hospitals; Emergency access and egress points; Schools; Dwelling houses, student halls of residence and hostels; Residential institutions such as residential care homes, children's homes and social services homes; Caravans and mobile home parks; Dwelling houses designed, constructed or adapted for the elderly or, other people with impaired mobility; and Essential infrastructure, such as primary transport and utilities distribution, including electricity generating power stations and substations, water and sewage treatment, and potential significant sources of pollution (SEVESO sites, IPPC sites, etc.) in the event of flooding.

Zoning	Vulnerability Class	Land uses and types of development which include*:
Opportunity Site (OS), Business / Enterprise (BE), Tourism (T)	Less vulnerable development	 Buildings used for: retail, leisure, warehousing, commercial, industrial and non-residential institutions; Land and buildings used for holiday or short-let caravans and camping, subject to specific warning and evacuation plans; Land and buildings used for agriculture and forestry; Waste treatment (except landfill and hazardous waste); Mineral working and processing; and Local transport infrastructure.
Open Space and Recreation (OSR), High Amenity (HA), Rural/Agricultural (RA)	Water compatible development	 Flood control infrastructure; Docks, marinas and wharves; Navigation facilities; Ship building, repairing and dismantling, dockside fish processing and refrigeration and compatible activities requiring a waterside location; Water-based recreation and tourism (excluding sleeping accommodation); Lifeguard and coastguard stations; Amenity open space, outdoor sports and recreation and essential facilities such as changing rooms; and Essential ancillary sleeping or residential accommodation for staff required by uses in this category (subject to a specific warning and evacuation plan).

2.8 Climate Change

Climate change adaption and resilience will most likely become the fundamental consideration for strategic planning in the coming decades. Climate Change as a result of human activities is occurring and is going to continue for centuries to come. The likely result of climate change in the West of Ireland Include:

- Sea level rise,
- Increase in the duration of summer with more frequent droughts,
- More intense storms and rainfall events,
- Increased likelihood and magnitude of river and coastal flooding, and
- Adverse impacts on water quality,
- Changes in distribution of plant and animal species.

Nonetheless, properly managed the potential challenge may provide the catalysis for an integrated approach to environmental stewardship that archives long term suitability goals at diverse scales ranging from local community investiture to satisfying our international obligations. With the knowledge of what we as a society may face in the future, land use planning policies can be developed which are mindful of current management practices. As such, an appraisal of the potential impacts of climate change was carried out as part of the Strategic Flood Risk Assessment with regard to the OPW climate change parameters stated in the Flood Risk Management Climate Change Sectoral Adaptation Plan (2019), also international best practice within other European jurisdictions and the latest scientific studies. OPW climate change allowances are stated in Table 2-4 below.

Table 2-4 Allowances in Flood Parameters for Mid-Range and High-End Future Scenarios

Parameter	MRFS	HEFS
Extreme Rainfall Depths	+ 20%	+ 30%
Peak Flood Flows	+ 20%	+ 30%
Mean Sea Level Rise	+ 500 mm	+ 1000 mm
Land Movement	- 0.5 mm / year ¹	- 0.5 mm / year ¹
Urbanisation	No General Allowance – Review on Case-by-Case Basis	No General Allowance – Review on Case-by-Case Basis
Forestation	- 1/6 Tp ²	- 1/3 Tp ² + 10% SPR ³

Note 1: Applicable to the southern part of the country only (Dublin - Galway and south of this)

Note 2: Reduction in the time to peak (Tp) to allow for potential accelerated runoff that may arise as a result of drainage of afforested land

Note 3: Add 10% to the Standard Percentage Runoff (SPR) rate: This allows for temporary increased runoff rates that may arise following felling of forestry.

There is an increasing likelihood that Irelands climate will be similar to that depicted in the High-End Future climate change scenario by the year 2100. Therefore, it is prudent to consider the HEFS parameters when planning for vulnerable infrastructure and developments. This approach will also assist in achieving our obligations under the Water Framework Directive (WFD). The OPW is currently transitioning to regional based climate models that reflect the likely varied impacts throughout the island of Ireland. This is likely to be implemented during the lifetime of the proposed county development plan.

3. STAGE 1 - FLOOD RISK IDENTIFICATION

3.1 General

This Flood Risk Identification phase includes a review of the existing information and the identification of any flooding or surface water management issues within Donegal County that may warrant further investigation.

3.2 Sources of Flooding

Flooding from Fluvial & Sea Level Rises / Coastal Flooding

Much of the Irish landscape is defined by the interface between land, rivers and coastlines. For the majority of the time this interface is largely static along historic riverbanks and coastal areas. However, the processes that creates these zones primarily result from extreme events and as such flooding can be seen as a natural process that the landscapes we live in. Issues arise when development occurs within natural floodplains creating elevated risk. The primary pathway for fluvial and coastal flooding is simple bank overtopping or storm surges causing extreme tidal inundation. Flooding can be exacerbated when structures such as bridge crossings are inadequately sized or when development happens within the floodplain displacing flood waters.

Surface Water Flooding

Surface water flooding occurs when the local drainage system cannot convey stormwater flows from extreme rainfall events. The rainwater does not drain away through the normal drainage pathways or infiltrate into the ground but instead ponds on or flows over the ground instead. Surface water flooding is unpredictable as it depends on several factors including ground levels, rainfall and the local drainage network.

Groundwater Flooding

Ground water flooding is a result of upwelling in occurrences where the water table or confined aquifers rises above the ground surface. This tends to occur after long periods of sustained rainfall and/or very high tides. High volumes of rainfall and subsequent infiltration to ground will result in a rising of the water table. Groundwater flooding tends to occur in low-lying areas, where with additional groundwater flowing towards these areas, the water table can rise to the surface causing groundwater flooding.

Pluvial Flood Risk

Pluvial flooding results from heavy rainfall that exceeds ground infiltration capacity or more commonly in Ireland where the ground is already saturated from previous rainfall events. This causes ponding and flooding at localised depressions. Pluvial flooding is commonly a result of changes to the natural flow regime such as the implementation of hard surfacing and improper drainage design.

3.3 Information Sources Consulted

The following information sources were consulted as part of the Flood Risk Identification:

Predictive Flood Maps and Flood Hazard Records

(i) OPW Preliminary Flood Risk Assessment (PFRA)

The PFRA is a national screening exercise to identify the areas where there may be a significant risk associated with flooding (referred to as Areas for

Further Assessment or AFA's). As part of the PFRA study, maps of the country were produced showing the indicative fluvial, coastal, pluvial and groundwater flood extents.

In the past, PFRA maps have been used to largely identify flood zones and flood locations for the Development Plan area. They were used for a broad assessment to help identify areas where flood risk should be explored in greater detail.

Confidence: Low - these maps have limitations as any local errors in the LiDAR derived digital terrain model (DTM) were not filtered out, local channel works were not included, flood defences were excluded and channel structures were not considered. The PFRA has been superseded by the CFRAM and National Indicative Fluvial Mapping.

3.3.1 Catchment Flood Risk Assessment and Management Study (CFRAMS)

The CFRAMS programme led by the OPW, provides a detailed assessment of flooding in areas identified as AFA's during the PFRA study. All of the main watercourses within urban areas were considered as part of the CFRAMS programme. Catchment wide Flood Risk Management Plans were also developed as part of the programme.

The CFRAMS flood mapping highlights areas of historic flood risk as well as the impact of key hydraulic constraints along the subject watercourses. The CFRAMS flood extent mapping is seen as the most detailed appraisal of flood risk for the majority of the watercourses within Donegal and forms the basis for much of this assessment.

Confidence: High – The hydraulic assessments and modelling undertaken as part of the CFRAMS are the "best available" and are generally appropriate to inform strategic planning decisions. Nonetheless, the CFRAMS are to be reviewed and supplemented as necessary as part of any development level detailed Site-Specific Flood Risk Assessment.

3.3.2 National Coastal Flood Hazard Mapping (NCFHM)

The estimated extreme water level outputs from Phase 1 of the Irish Coastal Wave and Water Level Modelling Study (ICWWS 2018), relative to OD Malin OSGM02, were used as the input water level data for the project. The aim of this project is to produce updated national scale coastal flood extent and depth maps for the present-day scenario and climate change scenarios.

Confidence: High – The hydraulic assessments and modelling undertaken as part of the NCFHM are the "best available" and are generally appropriate to inform strategic planning decisions. Nonetheless, the NCFHM are to be reviewed and supplemented as necessary as part of any development level detailed Site-Specific Flood Risk Assessment.

3.3.3 National Indicative Fluvial Mapping (NIFM)

The NIFM project covers 27,000km of watercourse, separated into 37 drainage areas and 509 sub-catchments. The key objectives of the project were to provide improved flood mapping outside the AFAs and to account for Climate Change. The project delivered higher quality flood maps, improving on the outputs of the first cycle PFRA outside the CFRAM modelled extents. The NIFM project has mapped fluvial flood hazard across all subject watercourses having a catchment area of greater than 5km2.

Confidence: Medium - The National Indicative Fluvial Maps are high level assessment of flood risk in generally rural environs and are not as accurate as the flood maps produced under the CFRAMS or NCFHM programmes. The maps should not be used to assess the flood risk associated with individual properties or be the sole basis for a detailed site-specific flood risk assessment. The NIFM has been used as the basis of defining flood zones where neither the CFRAMS nor NCFHM is available. Settlements where a portion of the flood extent mapping is derived from NIFM are listed in Table 3-1 below. Any development proposed within these settlements shall be subject to a site-specific flood risk assessment in accordance with the OPW Guidelines to confirm flood risk on site.

Table 3-1 Settlements where a portion of the flood extent mapping is derived from NIFM

Settlement	Settlement Hierarchy
An Charraig	Layer 2B
An Fál Carrach	Layer 2B
Ballintra	Layer 3
Carrigans	Layer 3
Cill Charthaigh	Layer 3
Culdaff	Layer 3
Doochary	Layer 3
Drumkeen	Layer 3
Gleneely	Layer 3
Gort an Choirce	Layer 3
Killygordon	Layer 3
Kilmacrennan	Layer 3
Laghy	Layer 3
Muff	Layer 3
Newtowncunningham	Layer 3
Pettigoe	Layer 3
Portsalon	Layer 3
Quigley's Point	Layer 3
St. Johnston	Layer 3

3.3.4 Arterial Drainage Schemes and Drainage Districts

Under the Arterial Drainage Act, 1945 the OPW undertook a number of arterial drainage schemes to improve land for agricultural production. The OPW has a statutory duty to maintain these schemes, which is delivered through their arterial drainage maintenance programme. The OPW does not have powers to undertake river or channel maintenance other than where these rivers form part of an arterial drainage scheme or flood relief schemes.

Drainage Districts were carried out by the Commissioners of Public Works under a number of drainage and navigation acts from 1842 to the 1930s to improve land for agriculture and to mitigate flooding. Local authorities are charged with responsibility to maintain Drainage Districts. The Arterial Drainage Act, 1945 contains a number of

provisions for the management of Drainage Districts in Part III and Part VIII of the act.

The OPW Drainage maps show a relatively small proportion of the county overall has been subject to drainage schemes. Drainage schemes within the county are listed in Table 3-2 below.

Confidence: Low – Mapping is primarily derived from anecdotal evidence. Superseded by the data sources listed above where available. Nonetheless, can be indicative of significant and recurring flood events.

Table 3-2 Drianage Schemes within Donegal

Scheme	Scheme Type
Abby	Arterial Drainage Scheme
Ballasallagh (Ray River)	Drainage District
Blanket Nook	Arterial Drainage Scheme
Burnfoot/Skeoge	Arterial Drainage Scheme
Carrigans	Drainage District
Carrowcannon(Rayriver)	Drainage District
Cloonburn	Arterial Drainage Scheme
Deel and Swillyburn	Arterial Drainage Scheme
Portsalon & Duntinny	Drainage District
Swilly Oldtown Newmills	Arterial Drainage Scheme
Swilly Embankments	Arterial Drainage Scheme
Swilly Big Isle	Arterial Drainage Scheme

3.3.5 OPW National Flood Hazard Mapping

The OPW National Flood Hazard Mapping Web Site, www.floodmaps.ie, was examined to identify any recorded flood events within and in the Development Plan lands. Recurring events have been recorded throughout the plan lands.

Confidence: Data confidence varies between records but can be indicative of significant and recurring flood events

3.3.6 GSI Groundwater Historic and Probability Flood Mapping

The Historic Groundwater Flood Map shows the observed peak flood extents caused by groundwater in Ireland. The mapping was produced using satellite images, field data, aerial photos, as well as flood records of past flood events. Most of the data was collected during the flood events of winter 2015 / 2016, as in most areas this data showed the largest floods on record. The flood extents were calculated using data and techniques with various precision levels, and as such, it may not show the true historic peak flood extents.

The Groundwater Flooding Probability mapping shows the expected flood extent of groundwater flooding in limestone regions in various return periods. The mapping was created using groundwater levels measured in the field, satellite images and hydrological models.

Overall, indicators of groundwater flooding were limited within the county with a notable hotspot in the rural hinterland of Bundoran and Ballyshannon which

corresponds with Donegal's predominant karst formation. Groundwater flooding is not seen as a significant issue as it has not been found to affect any settlements directly.

Confidence: Medium - The flood extents were calculated using remote sensing data and hydrological modelling techniques with various precision levels. As such, it should be used with caution.

3.3.7 Flood Relief Schemes within Donegal County

Any planning decisions should also be cognisant of future flood alleviation works in the catchment. Schemes currently being progressed and proposed schemes are detailed in Table 3-3 below.

Table 3-3 Future Flood Relief Schemes

Settlement	Status	Outline
Ballybofey / Stranorlar	Stage I: Scheme Development and Preliminary Design	The proposed Ballybofey (Stranorlar)/ Bealach Féich / Srath an Urláir Flood Relief Scheme may include hard defences and improvement of channel conveyance. Flood embankments and walls would protect properties by the River Finn and it's tributaries. The proposed scheme is expected to provide protection to the 1% AEP flood event.
Benbeg and Derrybeg	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Undertake a Detailed Assessment of the Proposed Flood Relief Scheme
Buncrana & Luddan	Stage I: Scheme Development and Preliminary Design	The proposed Buncrana & Luddan Flood Relief Scheme may include of a series of sea walls, flood embankments and flood walls. The hard defences are expected to provide a Standard of Protection (SoP) of 0.5% AEP for coastal flood events, and an SoP of 1% AEP for fluvial flood events.
Burnfoot	Stage I: Scheme Development and Preliminary Design	The proposed Burnfoot Flood Relief Scheme may include flood embankments and urban walls. The hard defences are expected to provide protection to the 1% AEP flood event.
Cardonagh	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Carndonagh
Carrowkeel	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Carrowkeel
Castlefin	Stage I: Scheme Development and Preliminary Design	The proposed Castlefinn Flood Relief Scheme may include a series of flood embankments and walls. These hard defences would protect to the 1% AEP fluvial event.
Convoy	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Undertake a Detailed Assessment of the Proposed Flood Relief Scheme
Donegal Town	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Donegal

Settlement	Status	Outline
Downies	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Downies
Dunfanaghy	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Dunfanaghy
Glenties	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Glenties
Killybegs	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Killybegs
Letterkenny	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Letterkenny
Lifford	Stage I: Scheme Development and Preliminary Design	The proposed Lifford Flood Relief Scheme may include a series of flood embankments and walls. These Hard Defences are expected to provide protection to the 1% AEP fluvial event.
Moville	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Undertake a Detailed Assessment of the Proposed Flood Relief Scheme
Ramelton	Stage I: Scheme Development and Preliminary Design	The proposed Ramelton Flood Relief Scheme may include a series of flood embankments with revetment protection, walls, demountable barriers along the quays and a flood gate located on Shore Road. These hard defences are expected to provide protection to the 0.5% AEP coastal event and 1% AEP fluvial flood event.
Raphoe	Stage II: Public Exhibition / Confirmation	The proposed Raphoe Flood Relief Scheme includes construction of two open diversion channels with clay embankments, one to the north and one to the west of Raphoe Town. The proposed scheme is expected to provide protection against the 100-year flood (1% Annual Exceedance Probability)
Rathmullen	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Rathmullan

In addition to the major works listed above an additional forty-six (no.46) minor schemes within Donegal have received funding through the Minor Flood Mitigation Works and Coastal Protection Scheme introduced by the Office of Public Works in 2009. The full list of projects is available at: https://www.floodinfo.ie/minor-works/.

3.4 Flood Zone Mapping

Donegal County is susceptible to several types of flood risk. Flood zone extent mapping has been prepared (presented in Appendix A) in accordance the Planning System and Flood Risk Assessment Guidelines identifying Flood Zones A, B and C.

The flood zone maps are primarily derived from the CFRAMS and NCFHM mapping. These maps are the most comprehensive flood maps produced for Donegal since the introduction of the Guidelines and the Floods Directive. Flood extent mapping for areas that are not covered in the CFRAM or NCFHM Studies are supplemented by fluvial mapping from the NIFM Assessment.

3.5 Flood Risk Identification Summary

In accordance with The Guidelines the sources of flooding within Donegal County have been identified. The findings of the stage 1 assessment indicate that multiple settlements within the development plan area are at risk of flooding. Therefore, in accordance with The Guidelines (OPW 2009), a Stage 2 flood risk assessment should be carried out.

4. STAGE 2 – INITIAL FLOOD RISK ASSESSMENT

4.1 General

A Stage 2 SFRA (initial flood risk assessment) was undertaken to:

 Confirm the sources of flooding that may affect settlements within Donegal County;

4.2 Identification of Key Areas at Risk of Flooding

Flood Risk is summarised with regard to each settlement appraised below.

4.2.1 Layer 1 Settlements

Buncrana

Coastal flooding the 1 in 200 year event affects the western boundary of the settlement. Fluvial and coastal flooding emanates from the Mill [Donegal] River. Fluvial and coastal flooding deriving from the Crana River affect Cockhill Road, North and South of Causeway Road, the roundabout at Taobh an tSruthan and Pairc Mor. Fluvial and coastal flooding has been identified at Ballymacarry Lower, South of the Mill River and East of Lower main street.

A review of the proposed zonings within Buncrana was undertaken. All proposed zoning were seen to be appropriate as per the OPW Guidelines.

Bundoran

Coastal flooding is indicated all along the coastline south of Tullan Strand. Fluvial and coastal flooding affects south of Finner Road R267, Doran Park and 17-20 & 23-28 of Armada Cottages. Fluvial and coastal flooding deriving from the Bradoge River affects a portion of the settlement. The Church of Our Lady Star of the Sea Bundoran is located in Flood Zone B. Fluvial and coastal flooding affects the southern settlement boundary derived from the Drowes River affecting south of the National Road 15 to Magheracar and south of the Crest of the Wave Causeway.

A review of the proposed zonings within Bundoran was undertaken. All proposed zoning were seen to be appropriate as per the OPW Guidelines.

4.2.2 Layer 2A Settlements

Ballybofey & Stranorlar

Fluvial flooding is indicated at the north of the settlement deriving from Lough Alaan. Additionally fluvial flooding from the River Finn affects the centre of the settlement as well as The Cedars, Glen Water and Blue Cedars, Stranolar Recycling Centre to North of Navenny Street and Glenfin Road. Fluvial flooding deriving from the Burn Daurnett river affects the south west of the settlement affecting dwellings along Sessiagh View.

A review of the proposed zonings within Ballybofey & Stranorlar was undertaken. Two (2no.) zoning were identified which are generally not in line with the sequential approach as described in the OPW Guidelines. Sources consulted indicate that a proportion of the zonings are within Flood Zone A/B. However, these two proposed zonings have had specific policies applied to ensure flood risk is appropriately managed. These zonings are *BS-CI-001* & *BS-NRESP2-002*. The specific policy considerations are detailed in Appendix B.

4.2.3 Layer 2B Settlements

Ailt an Chorráin (Burtonport)

Fluvial flooding emanating from the River Burtonport affects the western portion of the settlement along Sli Ailt an Chorrain (T) on the western coast in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A. Coastal flooding affects only the most southernly tip of the settlement in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

An Bun Beag / Doirí Beag (Bunbeg / Derrybeg)

Coastal and fluvial flooding affect the north of the settlement overlapping along the Catheen River and the Srath_Caonach affecting L1273 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. In the south west of the settlement coastal and fluvial flooding along the Clady River in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

An Charraig (Carrick)

Fluvial flooding deriving from the River Glen [Carrick] indicated through the centre of the settlement South of L1125 to the junction of R263 with L1115 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

An Fál Carrach (Falcarragh)

Fluvial flooding deriving from the Tullaghobegly River along a small portion (roughly 200m) of the West boundary of the settlement across the N56 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Ardara

Fluvial flooding along the Owentocker River through the centre of the settlement and along the southeast of the settlement border within Flood Zone A. Indicated flooding affects areas zoned as 'Urban Core' and 'High Amenity'. Fluvial flooding in the 1 in 1000 year event extents to affect 31-38 Ard Na Gréine in the west of the settlement.

Ballyliffin

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Dunfanaghy

Coastal flooding affects a portion of the settlement. Fluvial flooding deriving from the Dunfanaghy River affects the east and north boundaries of the settlement, affecting a portion of the N56 and sites zoned as 'High Amenity' and 'Urban Core'. Fluvial flooding deriving from New Lake affects the south corner of the settlement along the N56.

Glenties

Fluvial flooding derived from the Stracashel River affects areas zoned as 'High Amenity' and 'Urban Core' in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Gortnamucklagh_38 river affects the western boundary of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the Gortnamucklagh_38 river extends across Clós Naomh Chonaill to join fluvial flooding derived from the Stracashel River in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.

Greencastle

Fluvial flooding deriving from the Greencastle River along the coastal boundary of the settlement affects a portion of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Lifford

Fluvial flooding deriving from the River Finn affecting areas zoned as 'High Amenity', 'Opportunity Sites', and 'Urban Core' affects a portion of the site in the north east and south of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

A review of the proposed zonings within Lifford was undertaken. One (1no.) zoning was identified which is not in line with the sequential approach as described in the OPW Guidelines. However, this zone (ST-OPS-003) has had specific policies applied to ensure flood risk is appropriately managed and as such, only "water compatible" development is to be considered, in line with policy LIFF-OPP-1. The specific policy considerations are detailed in Appendix B. The zoning is shown in Figure 4-1 below.

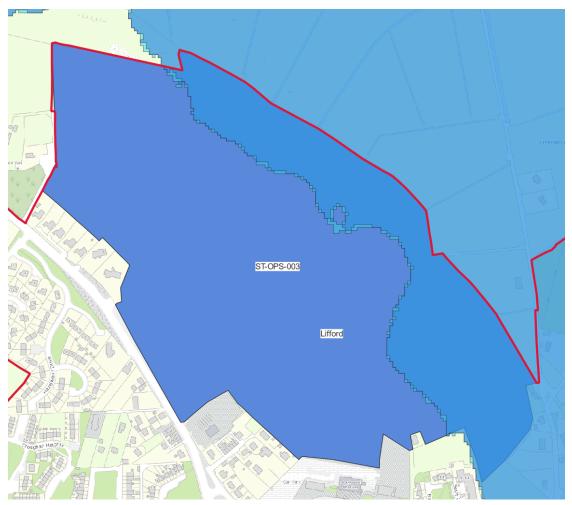


Figure 4-1 Flood risk effecting proposed zoning ST-OPS-003

Malin

Coastal flooding along the southern border of the settlement affects the Malin (Stream) in the west of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from Malin (Stream) affects Millbrook Terrace in the 1 in 100 year fluvial or 1 in 200

year coastal event, therefore, the lands are within Flood Zone A in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Moville

Coastal Flooding affects areas zoned as 'High Amenity' and the Bredagh River in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial Flooding from the Bredagh River affects areas zoned in 2018 as 'High Amenity' along the Bredagh River and the southern border of the settlement along the coast in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.

Ramelton

Coastal Flooding affects the Leannan River, areas zoned as 'High Amenity' on the north bank of the river and unzoned areas north and south of the bank of the river. The Quays to North of Pound Street in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial Flooding deriving from the Leannan River, areas zoned as 'High Amenity' on the north bank of the river and unzoned areas north and south of the river bank. The Quays and West of An Sruthan in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.

Raphoe

Recurring flooding has been recorded in Raphoe (OPW National Flood Hazard Mapping) from overland flow emanating from the surrounding hills and minor streams within the town. No detailed flood extents mapping is currently available. However, a flood alleviation scheme for the town is currently being progressed.

4.2.4 Layer 3 Settlements

Annagry

Fluvial flooding deriving from the Loughanure river along the Glen Road and St Mary's View affects west of the centre of the settlement and areas currently zones in 2018 as 'High Amenity' along the north western settlement boundary in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Min_Doire_na_Slua extends to the north of the settlement in the 1 in 100 year fluvial, therefore, the lands are within Flood Zone A.

Ballintra

Fluvial flooding deriving from the Ballintra river (also known as the Blackwater River) affects part of the settlement, south of R231.

Bruckless

Fluvial flooding deriving from the Oily River affects the northern portion of the site.

No indicators of coastal or fluvial flood risk have been identified in the main, southern portion of the site. Part of the settlement is therefore within Flood Zone A.

Burnfoot

Fluvial flooding deriving from the Skeoge River and the river Brunfoot affects the north, west and south of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Indicated flooding affects south of the R238, houses in Líos Na Greíne and Páirc An Grianán in the 1 in 100 year fluvial or 1 in 200 year coastal event.

Carrigans

Fluvial flooding from the Burn River deriving from the River Foyle affecting dwellings in the South of L8481 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Carrigart

Fluvial flooding emanating from the Carrickart river affects the coast on the north western boundary of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Castlefinn

Fluvial flooding deriving from the River Finn affects the west of Chapel Street to the N15 and west of Raphoe Road to West of R235 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the River Finn affects from the N15 to Emmet Park in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.

Cill Charthaigh

Fluvial flooding deriving from the Glenaddaragh River affects west of Carrick Road and Lower Main Road to Towney Road in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Clonmany

Fluvial flooding deriving from the Clonmany River affects the south boundary of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Clonmany River affects Riverside Park and the southern end of Clonmany Shamrocks FC in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.

Convoy

Fluvial flooding deriving from the Deele River affecting South of Fountain Terrace, Convoy Reformed Presbyterian Church and areas zoned as 'High Amenity' along the south east and south west settlement boundaries in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Indicated flooding affects between Milltown and Beechwood Grove and North of Carrick Court in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Creeslough

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Culdaff

Fluvial flooding deriving from the Culdaff River affects West of St Bodens Terrace and North of Main Street in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Doochary

Fluvial flooding from Gweebarra River in Flood Zone A affects north of R252 along the settlement boundary in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from Gweebarra River

affects north of Radharc an Séipeal in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.

Drumkeen

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Dunkineely

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Fahan

Fluvial flooding derived from the Carrontlieve River and the Glebe Large River affects a portion of the settlement in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Fintown

The southern boundary of the Fintown settlement runs parallel to the floodplain of the Fin river for approximately 1km. Nonetheless, no indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Frosses

Recurring flooding has been recorded in Frosses (OPW National Flood Hazard Mapping). However, no details are currently available. A precautionary approach in line with the guidelines should be undertaken when proposing any development within the settlement.

Gleann Cholm Cille

Fluvial flooding, derived from the Murlin River affects the north-east of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore the lands are within Flood Zone A.

Gleneely

Fluvial flooding derived from the Culduff River affects the west of Fox Wood in the west of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Gort an Choirce

Fluvial flooding from the Glenna River and Gortahork River as indicated along the north western settlement boundary in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Kerrykeel

Fluvial flooding deriving from the Burnside River affecting Ford Garden, Bun Na Druid affects a portion of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Killea

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Killygordon

Fluvial flooding emanating from the River Finn affects the site along Dromore Road and the Cross Roads (Stream) affects the south of the settlement South Creamery Road in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Kilmacrennan

Fluvial flooding from Lurgy River affects the N56 in the north west of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the Leannan River affects the South of Lennon View and the South of The Racecourse in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Laghy

Fluvial flooding deriving from the Laghy (Stream) affecting east of the N15, north of R232 and south Rathneeny Park in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Loughanure

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Manorcunningham

Recurring flooding has been recorded in Manorcunningham (OPW National Flood Hazard Mapping) from Runoff from high ground causes flooding every 5 years approximately after very heavy rain. The road is liable to flood and properties are affected. No detailed flood extents mapping is currently available.

Milford

Recurring flooding has been recorded in Milford (OPW record of part flood events). However, no details or flood extents are currently available. A precautionary approach in line with the OPW guidelines should be undertaken when proposing any development within this settlement.

Mountcharles

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Muff

Fluvial flooding from the Liberty Bridge River affects areas zoned as 'Urban Core' in the south of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Na Dúnaibh (Downings)

Coastal flooding affecting Downings Pier in the west and the east of the settlement, fluvial flooding in Flood Zone A deriving from the Rosepenna River affects east of R248 in the east of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Newtowncunningham

Coastal flooding in the north east of the settlement in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the river Glar affects areas zoned as 'High Amenity' and 'Urban Core' in the south west of the

settlement, along Long Ln. and the western boundary of the settlement, west of Monad Road in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

A review of the proposed zonings within Newtowncunningham was undertaken. One (1no.) zoning were identified which are not in line with the sequential approach as described in the OPW Guidelines. The proposed land use is generally inappropriate in areas vulnerable to flooding. There are alternative land parcels within the settlement that can provide the proposed land use with lesser inherent flood risk. This is shown in Figure 4-2 below.



Figure 4-2 Flood risk effecting proposed zoning ST-OPS-001

Pettigoe

Fluvial flooding along the western boundary of the settlement along the Billary River affects east of the R233, northeast of the settlement and Mill Street in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Portnablagh

Fluvial flooding deriving from the Breaghy River affects the north of the settlement at Portnablagh Pier in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Portsalon

Fluvial flooding deriving from the Cashelpreaghan River affects south of The Fairways along the river and 'The Pier, Portsalon' in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Quigley's Point

Fluvial flooding derived from the Bogstown River affects south of Quigleys Point Community Centre to north of Millbay Park in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Rathmullan

Coastal flooding along the coastal border of the settlement affecting Main Street in the South of the settlement in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Aghavannan Near river affects north of R247 in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Mill Brook river affects to the west of Inch View in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.

Rossnowlagh

Fluvial flooding along the coastal boundary of the settlement affects an area zoned as 'High Amenity' in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.

St. Johnston

Fluvial flooding deriving from the River Foyle and Johnston Stream in the east of the settlement affecting north of Main Street to Railway Park in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

4.3 Flood Risk Zoning Objectives

Flood Risk has been assessed throughout the county as part of the Strategic Flood Risk Assessment. The following summarises the key finding with regard to sustainable flood risk management within the county. ROD proposes that the consideration of climate change is key to the flood zoning strategy. As discussed in Section 2.8 above, there is an increasing likelihood that Irelands climate will be similar to that depicted in the High-End Future climate change scenario by the year 2100. Wherever zoning is discussed it should be assumed that this is to include a HEFS climate change allowance.

The flood zone maps are largely derived from the CFRAMS and NCFHM mapping. These maps are the most comprehensive flood maps produced for Donegal since the introduction of the Guidelines and the Floods Directive. Flood extent mapping for areas that are not covered in the CFRAM or NCFHM Studies are supplemented by fluvial mapping from the NIFM Assessment. Flood zone mapping is presented in Appendix A.

Flood Risk Objectives and Policies:

Objectives

• To ensure that development does not give rise to unacceptable new flood risks, or does not exacerbate existing flood risk.

Policies

- It is a policy of the Council to only permit development where flood or surface water management issues can be successfully addressed and/or where there is no unacceptable residual flood risk for the development, its occupants and/or private property or public infrastructure elsewhere within the catchment. A precautionary approach shall be applied to the consideration of flood risk issues and shall include the application of the 'Avoid', 'Substitute', 'Justify' principles set out in the EU Floods Directive (2007/60/EC) and 'The Planning System and Flood Risk Management Guidelines for Planning Authorities', November 2009, DoEHLG.
 - Where appropriate, applicants/developers shall be required to submit:
 - an independent 'Flood Risk Assessment' in accordance with the aforementioned Guidelines or any subsequent related publication and/or 'Surface Water Drainage Calculations', from suitably qualified persons; and
 - evidence of compliance with the Justification test set out in Section 5.15 of the aforementioned Guidelines or any subsequent related publication.
 - an assessment of the likely effects of climate change on flood risk.
 Reference should be made to climate change factors described in the OPW's 'Flood Risk Management Climate Change Sectoral Adaptation Plan' 2019 and any subsequent revisions.
- It is a policy of the Council to require the use of Sustainable Urban Drainage Systems (SUDs) including flood attenuation areas, wetlands, the controlled release of surface waters and use of open spaces and semi-permeable hard surfaces for urban development proposals, to support the removal of existing stormwater discharging to combined (foul and storm) sewers using nature-based solutions and not to support the discharge of additional surface water to combined sewers. A Management Train should be incorporated during the design stage whereby surface water should be managed locally in small subcatchments rather than being conveyed to and managed in large systems further down the catchment. Management trains for new developments should facilitate the construction of future SuDS components to mitigate the risk of flooding caused by more extreme rainfall events and risk of pollution due to lower baseflow in receiving waters.
- It is a policy of the Council to support the development of long and short-term flood remediation works, including embankments, sea defences, drainage channels, and attenuation ponds and wetlands, subject to environmental considerations including potential impact on designated shellfish water and, fresh water pearl mussel catchment areas, compliance with Article 6 of the Habitats Directive, best practice in Coastal Zone Management and the Marine Resource and Coastal Management policies of this Plan.
- It is a policy of the Council not to permit developments which would hinder the maintenance of river or drainage channels.

5. JUSTIFICATION TEST

5.1 Justification Test Criteria and Responses

The SFRA to inform the development plan has identified a several areas of elevated flood risk within the county as described in Section 4. In accordance with the Guidelines, the settlements and proposed zonings have been subject to a justification test. The criteria for the justification test are detailed below. The assessment of each settlement/zoning against the justification test criteria is presented in Appendix B. Reference mapping identifying the location of each settlement / zone are presented in Appendix C.

In line with the OPW Guidelines for flood risk management a justification test at development plan level must satisfy the following Criteria:

1) The urban settlement is targeted for growth under the National Planning Framework, Regional Spatial and Economic strategy, statutory plans or under the Planning Guidelines or Planning Directives provisions of the Planning and Development Act 2000, as amended.

Response 1A

The twin towns of Ballybofey-Stranorlar are (cumulatively) the third largest settlement in the County and offer opportunities and services for those living and working locally but also have the potential to serve as a base for those working in other centres such as Letterkenny and Donegal Town. Enhanced connectivity offered by the proposed TEN-T scheme and the improved town centre environment to be delivered under the SEED project are likely to act as an incentive for those looking to establish businesses in the twin towns. This potential is recognised in the County Development Plan 2024-2030 (CDP) and accordingly, the twin towns are identified as a 'County Growth Driver' in the Core Strategy of the Draft CDP and are targeted for a growth of ~1500 persons over the lifetime of the Development Plan.

Response 1B

Buncrana is the second largest town in County Donegal and has a number of strategic strengths such as its location within the North West City Region (NWCR), its proximity to and relationship with Derry City, its coastal location on the Wild Atlantic Way and its function as the main service town for the Inishowen Peninsula. Buncrana is identified as a 'County Growth Driver' in the Core Strategy of the Draft CDP and is targeted for a growth of ~1500 persons over the lifetime of the Development Plan.

Response 1C

Bundoran is a key tourism destination located in southwest Donegal and recorded a population of 1963 in the 2016 census. The town provides a diverse range of tourist accommodation and entertainment functions, benefits from high quality coastal resources and natural amenities and has been recognised as a Tourism Destination Town by Fáilte Ireland. Bundoran is targeted for growth in the Core Strategy of the Draft CDP and is anticipated to increase in population by a minimum of ~300 persons over the lifetime of the Development Plan.

Response 1D

The settlement forms part of the 'settlement hierarchy' for County Donegal, as set out in the Core Strategy of the Draft County Development Plan 2024-2030 (CDP). The settlement is targeted for growth under the provisions of the Core

Strategy, in recognition of its role in providing important local retail, service and employment functions and in recognition of the need to consolidate, regenerate and revitalise the town and village structure throughout the county.

- 2) The zoning or designation of the lands for the particular use or development type is required to achieve the proper planning and sustainable development of the urban settlement and, in particular:
 - i) Is essential to facilitate regeneration and/or expansion of the centre of the urban settlement:

The settlement/zones are developed areas and are essential in order to support the continued viability of the urban centres in the County.

ii) Comprises significant previously developed and/or under-utilised lands:

The subject lands accommodate existing development and/or underutilised lands within the existing settlement.

iii) Is within or adjoining the core of an established or designated urban settlement:

The subject developed lands are within or adjoining the established urban core of the settlement.

iv) Will be essential in achieving compact and sustainable urban growth:

The subject lands either accommodate existing development and are therefore previously developed lands or vacant sites offer the potential to ensure compact growth within the existing urban area. These lands are essential in achieving and maintaining compact and sustainable urban growth.

v) There are no suitable alternative lands for the particular use or development type, in areas at lower risk of flooding within or adjoining the core of the urban settlement:

The subject lands accommodate existing development and are therefore previously developed lands. This criterion is set aside in accordance with the Circular PL 2/2014 where appropriate.

3) A flood risk assessment to an appropriate level of detail has been carried out as part of the Strategic Environmental Assessment as part of the development plan preparation process, which demonstrates that flood risk to the development can be adequately managed, and the use or development of the lands will not cause unacceptable adverse impacts elsewhere.

Response 3A

As per the sources consulted the settlement/zoning is indicated to be within Flood Zone C and all land uses and associated zonings are appropriate as per the OPW Guidelines.

Response 3B

Sources consulted indicate that a portion of the settlement/zoning is within Flood Zone A/B though sufficient flood risk information is available to determine that flood risk to the development can be adequately managed, and the use or development of the lands will not cause unacceptable adverse impacts elsewhere. There development remains appropriate in line with the sequential

approach described in the OPW Guidelines and the criteria set out in Circular PL 2/2014.

All new developments shall be subject to a Site-Specific Flood Risk as per The Guidelines. A FRA of appropriate detail should accompany applications for development to demonstrate that they would not have adverse flood risk impacts. The site specific FRA should consider the following:

- FRAs should address surface water management for development, demonstrating consideration of GDSDS policies and incorporation of SuDS in accordance with Donegal County Council SuDS Guidance policy.
- FRAs should consider the hydromorphological impacts on riparian corridors.
- FRAs should examine residual risk associated with culvert blockages, defence failure and climate change (High End Future Scenario) to set finished flood levels where appropriate. The FRAs should ensure development does not block flow paths, does not increase flood risk elsewhere, is designed to appropriate standard of flood resilient construction and demonstrates emergency evacuation procedures during flood events.
- Additional development such as extensions or changes of use can generally be considered appropriate, but an appropriately detailed flood risk assessment will be required in support of any planning application. The level of detail will vary depending on the risks identified and the proposed land use. The FRA should be aimed at setting finished floor levels and demonstrating no increase in flood risk elsewhere.

Response 3C

Sources consulted indicate that a portion of the settlement/zoning is within Flood Zone A/B. It has not been demonstrated that that the flood risk to the proposed zoned lands can be adequately managed and the use or development of the lands will not cause unacceptable adverse impacts elsewhere. The zoning is not in line with the sequential approach and cannot be justified.

5.2 Justification Test Summary

Justification tests for the settlements and zonings within the scope of Draft Donegal County Development Plan 2024-2030 have been undertaken and are detailed in Appendix B of this document. The majority of assessed settlements and zonings have passed the justification test as per the OPW Guidelines. However, several settlements and zonings have failed the justification test in their current arrangement, these are as follows:

Proposed zonings:

- Zonings within minor settlements:
 - Newtowncunningham
 - o ST-OPS-001

6. RIPARIAN CORRIDORS

6.1 The Need for Riparian Corridor Assessments

Riparian Corridors protect watercourses and their natural processes including: ecological, biogeochemical, hydromorphological and flood resilience in the face of climate change. These zones act as the interface between rivers and adjoining lands and are key to managing flood risk within catchments of all sizes. Maintaining and enhancing Riparian Corridors creates "room for the river" and the benefits that entails including reducing risk to persons and property from flooding. The sustainable management of riparian zones is crucial to meeting our objectives under the Water Framework and Floods Directives.

Recent decades have seen an increased awareness of the role of riparian zones in controlling the movement and processing of waterborne pollutants. This research was built upon growing interest in the interactions along aquatic-terrestrial fringes initially in relation to fisheries and more recently the effect of ecosystem diversity and resilience to climate change. The relationship between Riparian Corridors and nutrient processing is widely known, by acting as buffers between upland areas and open water, they help treat pollutants.

6.2 Riparian Vegetation

Riparian vegetation acts with flow, sediment and topography to influence channel form, instream habitat, nutrient dynamics, temperature and flow patterns. Therefore, removal of upland and riparian vegetation through agriculture and urbanisation disrupts land-water linkages leading to reductions in water quality, simplification of stream channels, less stable thermal and flow regimes, and ultimately, reduced ecosystem integrity. Riparian vegetation is a key source of beneficial in-stream nutrients and carbon, provides shade aiding thermally sensitive species (e.g. salmonids) and directly influences channel morphology (bank stabilisation, source of Large Woody Debris).

Designating and maintaining riparian corridors along the along major watercourses and their tributaries is key to maximising ecosystem services provided by the watercourses. Vegetative riparian buffers ecosystem services include:

- Interception and reduction of potential pollutants from both agricultural and urban sources,
- Attenuating flood waters,
- Bank stabilisation,
- Reducing runoff volumes
- Habitat provision and refuge,
- Ecological corridors
- Vegetal debris that falls into the watercourse is an important source of nutrients for instream biota.
- Thermal shading of watercourse,
- Amenity value.

6.3 Development Hydromorphological Assessment and Restorative Measures

Development Hydromorphological Assessments are to be undertaken where lands are partially or wholly within the Riparian Corridors in line with *Department of*

Housing, Planning and Local Government's Technical Guidance to Morphological Risk Assessment of Rivers Guidelines for Planning Authorities. The Development Hydromorphological Assessment will include the following considerations:

- An assessment of the existing river reach, identify existing hydromorphological pressures, determine deviation from a "Natural" form and propose restorative measures to improve Hydromorphological integrity and resilience throughout the river reach.
- In general restorative measures should create "Room for the River" and in time allow river systems to return to a state of equilibrium with rich biodiversity, developed ecosystem service provision and resilience to future shocks such as climate change. Potential restorative measures are described below.

6.3.1 Flood Zoning

Lateral connectivity should be maintained where possible throughout catchments. Assessing floodplains throughout the catchment is key to defining appropriate land use practices and future sustainable development. Much of the historic floodplains within the catchment are defined as part of previous flood studies. Nonetheless, the impacts of climate change should be taken into account as the areas liable to flood in the near future may increase significantly over present-day extents.

6.3.2 Riparian Buffer

The immediate riparian buffer should be "re-wilded" as much as possible. Any development within the riparian buffer strip, including pedestrian/cycle paths and highly managed parkland, should be minimised. Within these riparian buffer zones explicit care should be given to the variety of plant species. The vegetation within the riparian buffer should be native and appropriate to the location and soil water regime, preferably from a local source.

Providing buffer strips adjacent to the watercourses and limiting instream works maintains existing flow/flood regimes as well as important ecological corridors for aquatic and terrestrial flora and fauna.

6.3.3 Sustainable Agriculture Practices

The nature of land ownership in Ireland means that the majority of riparian land is privately owned. As such educating and involving riparian landowners is key to enhancing riverine environments. This includes:

- Educating farmers on the correct use of nitrates and agricultural fertilisers,
- Use of stock fencing as to minimize livestock access pressure have been seen to result in:
 - o a decrease in sediment loads
 - woody vegetation cover increases,
 - o increase resistance to erosion,
 - increase in vegetation increases roughness,
 - trapping sediment, which builds banks;
- Designated crossing / access points for livestock along the banks of a watercourse will aid in reducing bank erosion and sediment from entering the watercourse. At such points, the banks could be reinforced to aid in the prevention of bank erosion.
- The provision of riparian buffers and Integrated Constructed Wetlands (ICW) systems adjacent to rivers has been seen to greatly reduce pollutants in

agricultural runoff (e.g. effluent, fertilisers & pesticides, etc.) from entering freshwater systems.

- The provision of ICW systems on agricultural lands within the LAP can provide storage to agricultural runoff, slow runoff, create aquatic and riparian habitat and absorb and/or retain CO2, however incentives would possibly need to be in place for the general public to adopt such systems.
- Educating the general public on the potential negative impacts of such activities can also help mitigate this pressure.

6.3.4 Instream Works and Channel Modifications

The methodologies outlined above have been chosen as to be minimally invasive. However, as with the majority of watercourses in Ireland, some of the primary pressures within the Donegal catchments are the significant morphological alterations as a result of culverting, canalisation and construction of flow regulation structures such as weirs or embankments. Key ecosystem services and habitat types cannot return to the urban catchments without some River Restoration measures being undertaken within the main river channel. Possible options include:

- De-culverting of Watercourses
- Introduction of Large Woody Debris,
- Establishment of in-stream vegetation,
- New meander in impounded river channel,
- Reconnecting a remnant meander,
- Current deflectors,
- Narrowing channel with aquatic ledges,
- Creating a sinuous low-flow channel in an over-widened channel,
- Creation of on-line bays,
- Fixing whole trees into the river bank for flow diversity,
- Gravel reworking to restore a low-flow channel,
- Weir removal
- Review of/reduction in maintenance.

The impact of these measures on the current channel morphology and maintenance practices varies significantly. Options such as introducing Large Woody Debris would likely have a minimal impact on flooding while providing substantial benefits in the form of flow heterogeneity and habitat creation.

6.4 Riparian Corridor Policies:

It is a policy of the Council to promote and protect the ecosystem services provided by floodplains and their native riparian vegetation along all watercourses and ensure that a suitable riparian buffer from the top of the riverbank is maintained/reinstated along all watercourses within development sites. Developments within riparian lands shall be subject to hydromorphological assessments in line with the Department of Housing, Planning and Local Government's Technical Guidance to Morphological Risk Assessment of Rivers Guidelines for Planning Authorities.

7. STORMWATER MANAGEMENT STRATEGY AND SUDS

7.1 SUDS Overview

7.1.1 Introduction

The SuDS philosophy is to mimic the natural hydrological cycle by promoting; infiltration, evaporation, evapotranspiration, the harvesting of rainwater at source and the temporary storage of water (ponding), through the construction of a combination or series of components to form a 'management train'. Whilst there is no internationally agreed definition for SuDS – as the understanding of the SuDS philosophy correlates to the extent to which it is embedded in policy and practice over time, the three 'pillars' of sustainable stormwater management practice are generally accepted as;

- (i) Reducing the rate and quantity of stormwater discharge,
- (ii) Improve the quality of stormwater discharges and receiving water bodies and
- (iii) Provide amenity and biodiversity value.

Consideration of the sensitivity of the surrounding environment and downstream water quality is fundamental to the successful implementation of SUDS systems, particularly as we face into the uncertainties of a changing climate.

7.1.2 Benefits of SuDS

Traditional surface water drainage design is relatively simple, using the Rational method to size pipes to ensure that surface water is removed as quickly as possible to ensure flooding does not take place on hardstanding areas. Unfortunately, this philosophy is flawed as, in more rapidly transferring the surface water downstream, it provides the potential for flooding of other areas. This accelerated run-off gives rise to higher flood levels and the corresponding loss of groundwater recharge results in reduced low flows in rivers thus increasing environmental vulnerability. In addition, the pollution in the run-off is conveyed into the natural environment.

SuDS offer multiple benefits over traditional drainage practices managing discharge rates, volumes and diffuse pollution as well as providing the flexibility for adaptation to future drainage needs through a modular implementation. Climate change predictions suggest that some types of extreme events will become more frequent, such as heat waves, flooding caused by extreme rainfall and drought. The SuDS approach is more robust and adaptable than the traditional approach of underground piped drainage systems. In shallow surface-based systems, such as swales, water levels rise gradually and visibly. When the capacity of the SuDS feature is exceeded, the excess water can be directed to safe storage zones. This allows the general public, and road owners and operators to prepare for flood events more effectively. Conversely, flooding from underground piped drainage systems can occur suddenly and rapidly when the design capacity is exceeded. Furthermore, shallow, visible surface-based systems can be designed to offer greater flexibility to adapt to Climate Change. SuDS systems can enhance more readily and cheaply, compared to underground drainage systems. Lower river flows; caused by drought, result in reduced dilution of pollutants following rainfall events. The treatment of surface water runoff, through SuDS, helps to protect and enhance the quality of receiving watercourses, which assists in the attainment of our objectives under the Water Framework Directive.

7.1.3 Factors Influencing the Design of SuDS

There is no unique solution and each situation must be evaluated on its own merits and suitable SuDS solutions applied, although the means to achieving these objectives are many and varied. Factors such as site suitability, available space, cost, maintenance regimes and community acceptance must be considered to ensure successful implementation. The various SuDS features can generally be categorised as 'hard' SuDS and 'soft' SuDS. Soft SuDS resemble natural features and include techniques such as swales, ponds and wetlands. Hard SuDS are more similar to traditional drainage methods but incorporate SUDS principles. Examples of these are permeable pavements and proprietary SUDS features such as filtration systems and vortex separators.

7.1.4 The Management Train

The SuDS philosophy, and effective stormwater management in general, requires a series of SuDS features, linked together, to form a stormwater management system to treat and attenuate surface water runoff as close to the source of runoff as possible, before being conveyed downstream for further treatment and storage.

7.2 Opportunities for SuDS Systems in a Changing Climate

The principal treatment processes in a SuDS system are Sedimentation and Biodegradation.

7.2.1 Sedimentation

Sedimentation is one of the primary removal mechanisms in SuDS. Most pollution in stormwater runoff is attached to sediment particles and therefore the removal of sediment will achieve a significant reduction in pollution loading to receiving water bodies. Sedimentation is achieved through the reduction in flow velocities to a level at which the sediment particles fall out of suspension.

7.2.2 Biodegradation

Biodegradation is a natural biological treatment process that is a feature of several SuDS systems - systems that are subject to both wet and dry conditions. In addition to the physical and chemical processes of SuDS systems, biological treatment may also occur. Microbial communities may be established in the ground using the oxygen within the free-draining materials and the nutrients supplied with the inflows, to degrade pollutants such as hydrocarbons and grease.

The level of bioremediation activity will be affected by environmental conditions such as temperature and the supply of oxygen and nutrients. It also depends on the physical conditions within the ground such as the suitability of the materials for colonisation.

7.2.3 'Wet and Dry' SuDS Systems Perform Best

The presence of vegetation adds a physical filtration aspect to SuDS systems in the case of filter strips leading to swale/basins, the majority of hydrocarbons are removed by the first stage. If vegetation has been affected by drought, this element of the treatment train will be absent (in a worst-case scenario or significantly diminished at best). Maintenance of filter strips, swales and detention basins typically involve grass cutting. It is worth noting that hydrocarbons are also broken down by UV light in a process called photolysis, but where increasing levels of contaminants are building up in the soil (in the swale, basin, pond or wetland) the affected soil is likely to require removal and will more than likely be classified as contaminated waste.

The most recent published literature suggests that ponds and wetlands do not seem to benefit from the enhanced biological treatment of hydrocarbons found in the oxygen-rich conditions of the swales and basins (which are not designed to hold a permanent volume of water). Nonetheless, ponds and wetlands have been utilised extensively as the default treatment system serving roads and motorways in Ireland and UK, with little supporting literature to justify such initiatives.

In the selection of the most resilient and enduring suds systems, this fact is important:

Only SuDS features that experience <u>both wet and dry conditions</u> benefit from this added biological treatment - ponds and wetlands are proposed as polishing stage options as part of a treatment train.

The temperature dependence of these aerobic microbes (responsible for this additional layer of treatment) means that the chemical and biological treatment mechanisms found in SuDS systems are enhanced with increasing temperature.

7.2.4 The Benefits of Vegetative Systems

The successful implementation of bioremediation systems requires the establishment of appropriate plants and /or microorganisms at the containment site. Factors to be considered include: (i) selection of appropriate plant species, (ii) the influence of contaminants on seed germination, (iii) the use of native versus non-native plants and (iv) the effectiveness of inoculating contaminated soils with microorganisms. Furthermore, the plant species must be well adapted to the soil and climate of the region, making soil characteristics, length of growing season, average temperature and annual rainfall important considerations in plant-assisted bioremediation / biodegradation planning. The rate of microbial degradation generally doubles for every 10-degree centigrade increase in temperature.

Indirect benefits include enhanced soil quality through improvements in soil structure, increased porosity and therefore water infiltration, providing nutrients, accelerating nutrient cycling and increasing soil organic carbon. The use of plants also stabilises the soil thus preventing erosion and direct human exposure.

7.3 SuDS Objectives

7.3.1 Quantity Control Processes

Several techniques can be implemented to control the quantity of runoff from a development. Each technique presents different opportunities for stormwater control, flood risk management, water conservation and groundwater recharge.

- a) Infiltration
 - Soaking of water into the ground
 - Most desirable solution to runoff management as it restores the natural hydrologic process
 - Impacted by groundwater vulnerability and infiltration ability of subsoil
- b) Detention / Attenuation
 - Slows down surface water flows before their transfer downstream
 - Usually achieved through use of a storage volume and constrained outlet
 - Should be above ground
 - Reduces peak flow rate but total volume of runoff remains the same

c) Conveyance

- Transfer of surface runoff from one place to another
- Through grassed channels/trenches and pipes
- Transfer essential for managing flows and linking SuDS components
- Uncontrolled conveyance to a point of discharge in the environment not considered sustainable

d) Water Harvesting

- Direct capture and use of runoff on site for domestic or irrigation, overflowing/discharging to adjoining SuDS component(s)
- Contributes to Flood Risk Management

7.3.2 Quality Control Processes

A number of natural water quality treatment processes can be exploited within SuDS design. Different processes will predominate for each SuDS technique and will be present at different stages in the treatment train.

- a) Sedimentation reducing flow velocities to a level at which the sediment particles fall out of suspension;
- b) Filtration & Biofiltration trapping pollutants within the soil or aggregate matrix, on plants or on geotextile layers;
- c) Adsorption pollutants attach or bind to the surface of soil or aggregate particles;
- d) Biodegradation Microbial communities in the ground degrade organic pollutants such as oils and grease;
- e) Volatilisation transfer of a compound from solution in water to the soil atmosphere and then to the general atmosphere;
- f) Precipitation transform dissolved constituents to form a suspension of particles of insoluble precipitates;
- g) Plant Uptake removal of nutrients from water by plants in ponds and wetland;
- h) Nitrification Ammonia and ammonium ions can be oxidised by bacteria in the ground to form nitrate which can be readily used as a nutrient by plants;
- i) Photolysis The breakdown of organic pollutants by exposure to ultraviolet light.

7.3.3 Amenity & Biodiversity Processes

SuDS provides opportunities to create attractive landscaping features which offer a variety of amenity/biodiversity. The following are the main SuDS components offering aesthetic, amenity and ecological benefits.

Primary Processes:

- a) Blue/Green Roofs
- b) Grassed channels/Swales
- c) Filter strips
- d) Bioretention Areas
- e) Vegetated swales and detention basins
- f) Infiltration Basins

Benefits subject to design:

a) Ponds

b) Wetlands

7.3.4 Water Quality

The implementation of SuDS as part of future development within the DCC CDP lands should ensure that the quality of discharge from future development to the surrounding watercourses, through the removal of sediments and contaminants, will not negatively impact the existing condition of the watercourses. The quantity of discharge from future developments to surrounding watercourses will also not negatively impact the existing condition of the watercourses, as discharge rates will be limited to an approximate greenfield rate. Moreover, the adoption of SuDS systems in all new developments and the protection of existing floodplains shall assist in the attainment of our objectives under the Water Framework Directive as downstream watercourse conditions will be improved as a result of a better quality and quantity of discharge from upstream developments.

7.3.5 Effects of Climate Change

The effects of climate change need to be considered when designing and preparing maintenance regimes for SuDS features. Sedimentation is one of the primary removal mechanisms in SuDS. As discussed above, this is achieved through the reduction in flow velocities to a level at which particles fall out of suspension. However, care must be taken through design and appropriate maintenance regimes to ensure the risk of re-suspension is minimised during extreme rainfall events.

The level of biodegradation activity that occurs within SuDS features will be affected by environmental conditions such as temperature and the supply of oxygen and nutrients. It is also depending on the physical conditions within the ground such as the suitability of the materials for colonisation.

7.4 SuDS Techniques

In addition to the objectives above, in order to replicate the natural drainage system, a 'Management Train' is required. The Management Train sets a hierarchy of SuDS techniques which should be implemented in series as follows:

- Prevention prevent runoff and pollution
- Source Control control runoff at or close to the source
- Site Control management of surface water in the site/local area
- Regional Control management of surface water from a number of sites together

Various SuDS components have different capabilities regarding the objectives outlined above and are more suited to certain stages of the Management Train. The principle of the Management Train is that wherever possible, surface water should be managed locally in small, sub-catchments rather than being conveyed to and managed in large systems further down the catchment. Table 7-1 below contains examples of SuDS techniques for Source, Site and Regional controls.

Table 7-1 SuDS Techniques for Source, Site & Regional Control

Source Control	Site Control	Regional Control
Rainwater Harvesting	Permeable Paving	Detention Ponds/Basins
Green Roofs	Bioretention Strips	Retention Ponds/Basins
Permeable Paving	Infiltration Trenches	Wetlands

Source Control	Site Control	Regional Control
Bioretention Strips	Filter Drains	Infiltration Basins
Filter Drains	Filter Strips	Detention Basins
Infiltration Trenches	Swales	Petrol Interceptors*
Filter Strips	Sand Filters	
Soakaways	Infiltration Basins	
Blue Roofs	Detention Basins	
Swales	Petrol Interceptors*	

^{*}Use of Petrol Interceptors should be avoided except where the potential for hydrocarbons entering the surface water drainage network is particularly high. Treatment of surface water runoff should be provided through the use other SuDS techniques.

7.5 Modular SuDS Components

Management trains for new and existing developments should facilitate the construction of future SuDS components and/or provide for future enhancements to existing SuDS components – to mitigate the risk of flooding caused by more extreme rainfall events and risk of pollution due to lower baseflow in receiving waters.

Modular components can include:

- Additional physical SuDS features e.g., swales, basins and ponds and/or;
- Enhancements to existing SuDS features by upsizing and/or;
- Introducing vegetation and/or;
- Management actions e.g., changing the maintenance regime in response to findings of a monitoring regime.

7.6 SuDS Protocol for New Development

As part of any future development within the DCC lands, the developing authority should adapt the following protocol. This protocol will provide guidance for assessing the resilience of SuDS to climate change during periods of drought, flash flooding, temperature extremes and periods of persistent rainfall and to propose appropriate resilient SuDS strategies to manage stormwater runoff arising from severe rainfall events now and into the future. An overview of this protocol is outlined in Figure 7-1 below.

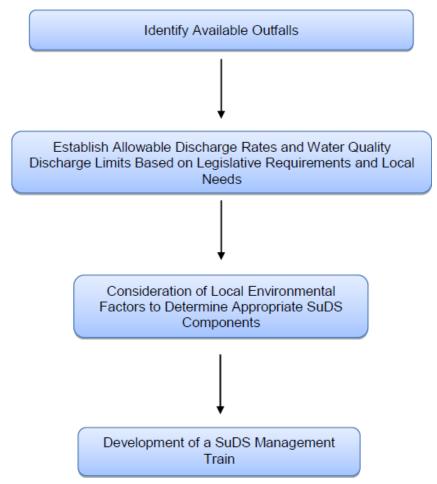


Figure 7-1 Recommended SuDS Protocol to Be Adapted

7.7 Management Train

A Management Train is usually required when developing a SuDS strategy. A Management Train sets a hierarchy of SuDS techniques which are subsequently linked together. Each technique employed contributes in different ways and degrees to the overall drainage network. The scale and number of components required will depend on the respective catchment characteristics and likely concentration of pollutants in the inflow. Considering the scale of proposed developments, a combination of carefully designed and appropriately maintained source controls, site controls and possibly regional controls are required as part of the surface water drainage system to ensure high water quality from runoff into these areas.

7.8 Quantity and Quality Performance

In selecting suitable SuDS components for a SuDS management train, the quantity of runoff and quality performance for various SuDS techniques should be assessed:

- Source Control techniques are most effective in reducing run off volume.
- Open Channels and Detention Basins provide the best hydraulic control for large flows (1% AEP), and water quality benefits.
- Permeable paving, Infiltration and Filtration techniques (filter strips, swales, grassed channels) are most effective for water quality treatment.
- Subsurface storage systems offer limited potential for water treatment.

7.9 Community, Environmental and Amenity Performance

Community and environmental factors for various SuDS techniques include Maintenance Regime, Community Acceptability, Construction and Maintenance Costs and Habitat Creation Potential.

Detention Basins and Swales (particularly Conveyance Swales) typically provide the most cost-effective SuDS solution while also incorporating the potential for habitat creation.

The implementation of wetlands will typically promote habitat creation and are generally accepted by communities as they provide valuable open space for visual and recreational enjoyment, however capital and maintenance costs can be relatively high.

There may be some public safety concerns associated with SuDS techniques involving open water, however good design and education can help minimise these concerns. This can be achieved through 'demonstration projects' and initiatives to educate local residents of the benefits of SuDS systems and natural floodplain management approaches as a means to tackle flood risk, particularly in response to climate change and the adverse environmental effects of uncontrolled contaminated stormwater runoff from urban developments. It is also recommended that developers make the proposals and advantages clear to future prospective buyers of the lands at the time of sale. The SuDS approach also offers benefits to the health and wellbeing of citizens.

7.10 SuDS Retrofitting

There are opportunities for SuDS retrofitting throughout the Draft CDP lands, however, this would be difficult to implement on existing private development. This is due to a lack of knowledge on the societal benefits of SuDS (economic, ecological, health and wellbeing, amenity etc.) by the general public. SuDS measures that could be implemented on existing private development include permeable paving on driveways, installation of rainwater harvesting systems and the provision of vegetated systems such as swales and bioretention areas within private gardens.

7.11 Recommendations

- 1) A Management Train should be incorporated during the design stage whereby surface water should be managed locally in small sub-catchments rather than being conveyed to and managed in large systems further down the catchment.
- 2) Management trains for new developments should facilitate the construction of future SuDS components – to mitigate the risk of flooding caused by more extreme rainfall events and risk of pollution due to lower baseflow in receiving waters.

8. SUMMARY

This SFRA report for Donegal County has been carried out in accordance with the requirements of the OPW Flood Risk Assessment Guidelines for Planning Authorities (2009) and Circular PL02/2014 (August 2014). The SFRA has provided an assessment of flood risk within the County to assist DCC to make informed strategic land-use planning decisions. The flood risk information has enabled DCC to apply the sequential approach described in The Guidelines and a Justification Test.

8.1 Flood Zones and Flood Risk

Donegal County is susceptible to several types of flood risk. The flood zone extent mapping has been prepared (presented in Appendix A) in accordance the Planning System and Flood Risk Assessment Guidelines identifying Flood Zones A, B and C. The flood zone maps are primarily derived from the CFRAMS and NCFHM mapping. These maps are the most comprehensive flood maps produced for Donegal since the introduction of the Guidelines and the Floods Directive. Flood extent mapping for areas that are not covered in the CFRAM or NCFHM Studies are supplemented by fluvial mapping from the NIFM Assessment.

8.2 Flood Management Objectives

The Draft County Development Plan outlines flood risk management strategies and objectives that incorporate Flood Risk Management into the spatial planning of the County, to meet the requirements of the Floods Directive and the Water Framework Directive. Appropriate Flood Risk Management objectives and policies are detailed in Section 5. Flood risk management will be carried out in accordance with the Flood Risk Management Guidelines for Planning Authorities, DoEHLG (2009) and Circular PL2/2014.

The CFRAMS (www.floodinfo.ie) and Donegal Strategic Flood Risk Assessment provide information in relation to known flood risk in Donegal County. Development proposals on lands that may be at risk of flooding should be subject to a Site-Specific Flood Risk Assessment, prepared by an appropriately qualified Chartered Engineer, in accordance with the Flood Risk Management Guidelines. Detailed flood risk assessments should be cognisant of possible pluvial / surface water flood risk and appropriate drainage proposals should be implemented to reduce the risk of pluvial flooding.

There is an increasing likelihood that Ireland's climate will be similar to that depicted in the High-End Future climate change scenario by the year 2100. Therefore, it is prudent to consider the HEFS parameters when planning for vulnerable infrastructure and developments. This approach will also assist in achieving our obligations under the Water Framework Directive (WFD).

8.3 Riparian Corridors

Maintaining and enhancing Riparian Corridors creates "room for the river" and the benefits that entails including reducing risk to persons and property from flooding and resilience to future shocks such as climate change. The sustainable management of riparian zones is crucial to meeting our objectives under the Water Framework and Floods Directives. Objectives to maintain and enhance Riparian Corridors and the benefits they entail have been described in Section 6.

8.4 SFRA Review and Monitoring

The DCC SFRA will be reviewed and updated every six years in line the County Development Plan review process. Additionally, outputs from future studies and datasets may trigger a review and update of the SFRA during the lifetime of the 2024-2030 Development Plan. With regard to Climate Change, the OPW is currently transitioning to regional based climate models that reflect the likely varied impacts throughout the island of Ireland. This is likely to be implemented during the lifetime of the proposed county development plan. Proposed developments should take account of the most up to date OPW guidance on climate change as part of Site Specific Flood Risk Assessments.

8.5 SFRA Objectives

Objectives

• To ensure that development does not give rise to unacceptable new flood risks, or does not exacerbate existing flood risk.

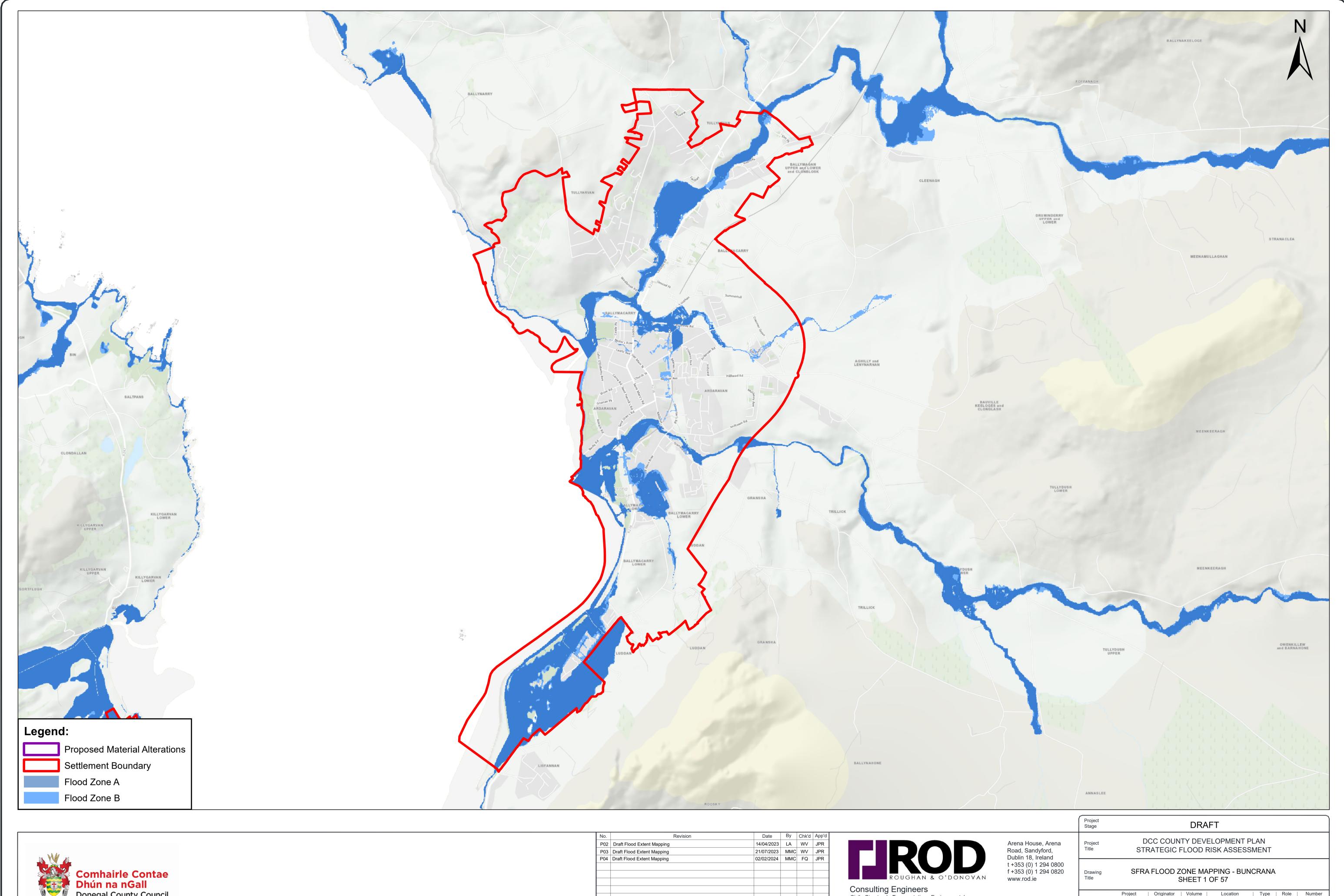
Policies

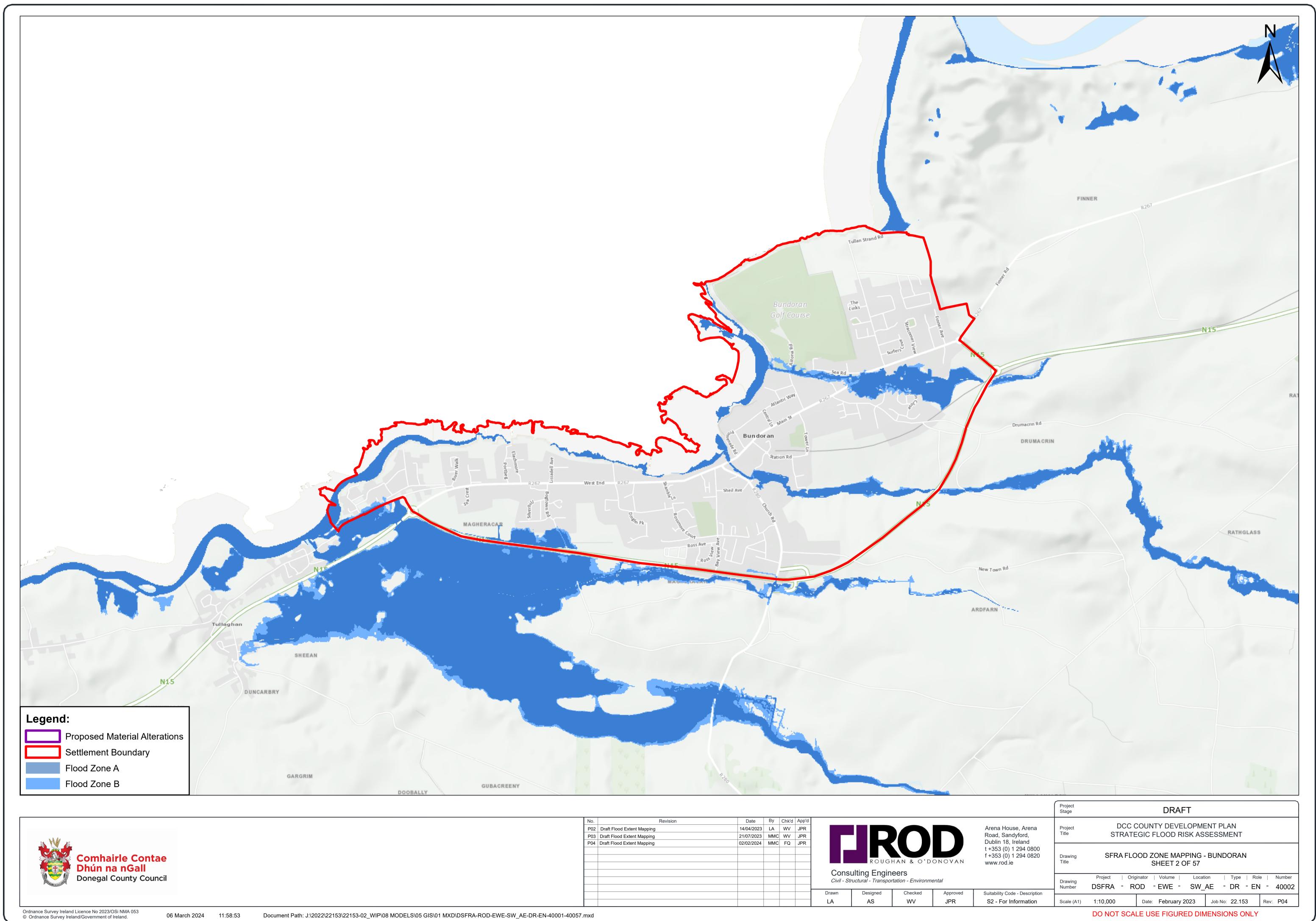
- It is a policy of the Council to only permit development where flood or surface water management issues can be successfully addressed and/or where there is no unacceptable residual flood risk for the development, its occupants and/or private property or public infrastructure elsewhere within the catchment. A precautionary approach shall be applied to the consideration of flood risk issues and shall include the application of the 'Avoid', 'Substitute', 'Justify' principles set out in the EU Floods Directive (2007/60/EC) and 'The Planning System and Flood Risk Management Guidelines for Planning Authorities', November 2009, DoEHLG.
 - Where appropriate, applicants/developers shall be required to submit:
 - an independent 'Flood Risk Assessment' in accordance with the aforementioned Guidelines or any subsequent related publication and/or 'Surface Water Drainage Calculations', from suitably qualified persons; and
 - evidence of compliance with the Justification test set out in Section 5.15 of the aforementioned Guidelines or any subsequent related publication.
 - an assessment of the likely effects of climate change on flood risk. Reference should be made to climate change factors described in the OPW's 'Flood Risk Management Climate Change Sectoral Adaptation Plan' 2019 and any subsequent revisions.
- It is a policy of the Council to require the use of Sustainable Urban Drainage Systems (SUDs) including flood attenuation areas, wetlands, the controlled release of surface waters and use of open spaces and semi-permeable hard surfaces for urban development proposals. A Management Train should be incorporated during the design stage whereby surface water should be managed locally in small sub-catchments rather than being conveyed to and managed in large systems further down the catchment. Management trains for new developments should facilitate the construction of future SuDS components to mitigate the risk of flooding caused by more extreme rainfall events and risk of pollution due to lower baseflow in receiving waters.
- It is a policy of the Council to support the development of long and short-term flood remediation works, including embankments, sea defences, drainage channels, and attenuation ponds and wetlands, subject to environmental considerations including potential impact on designated shellfish water and,

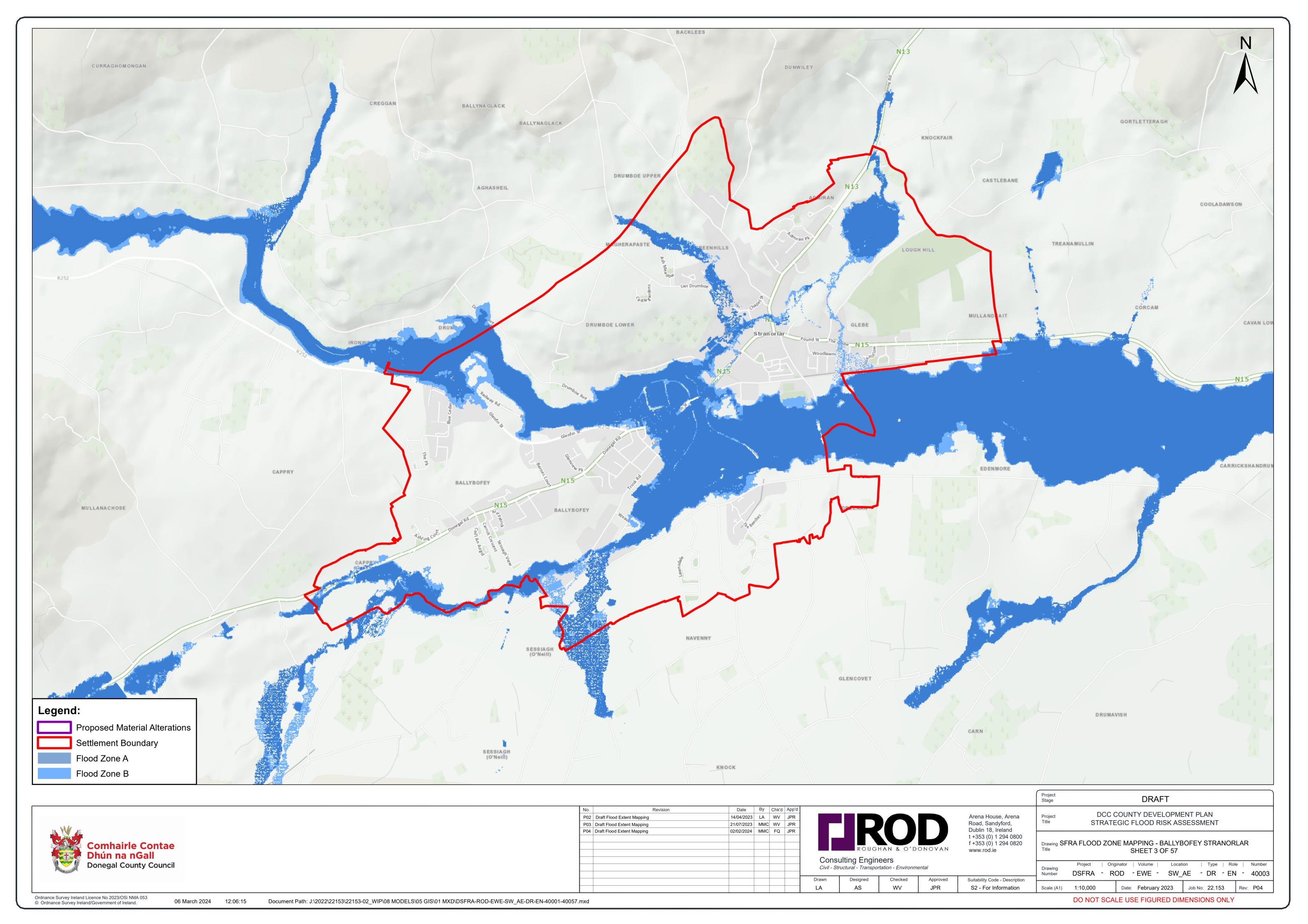
fresh water pearl mussel catchment areas, compliance with Article 6 of the Habitats Directive, best practice in Coastal Zone Management and the Marine Resource and Coastal Management policies of this Plan.

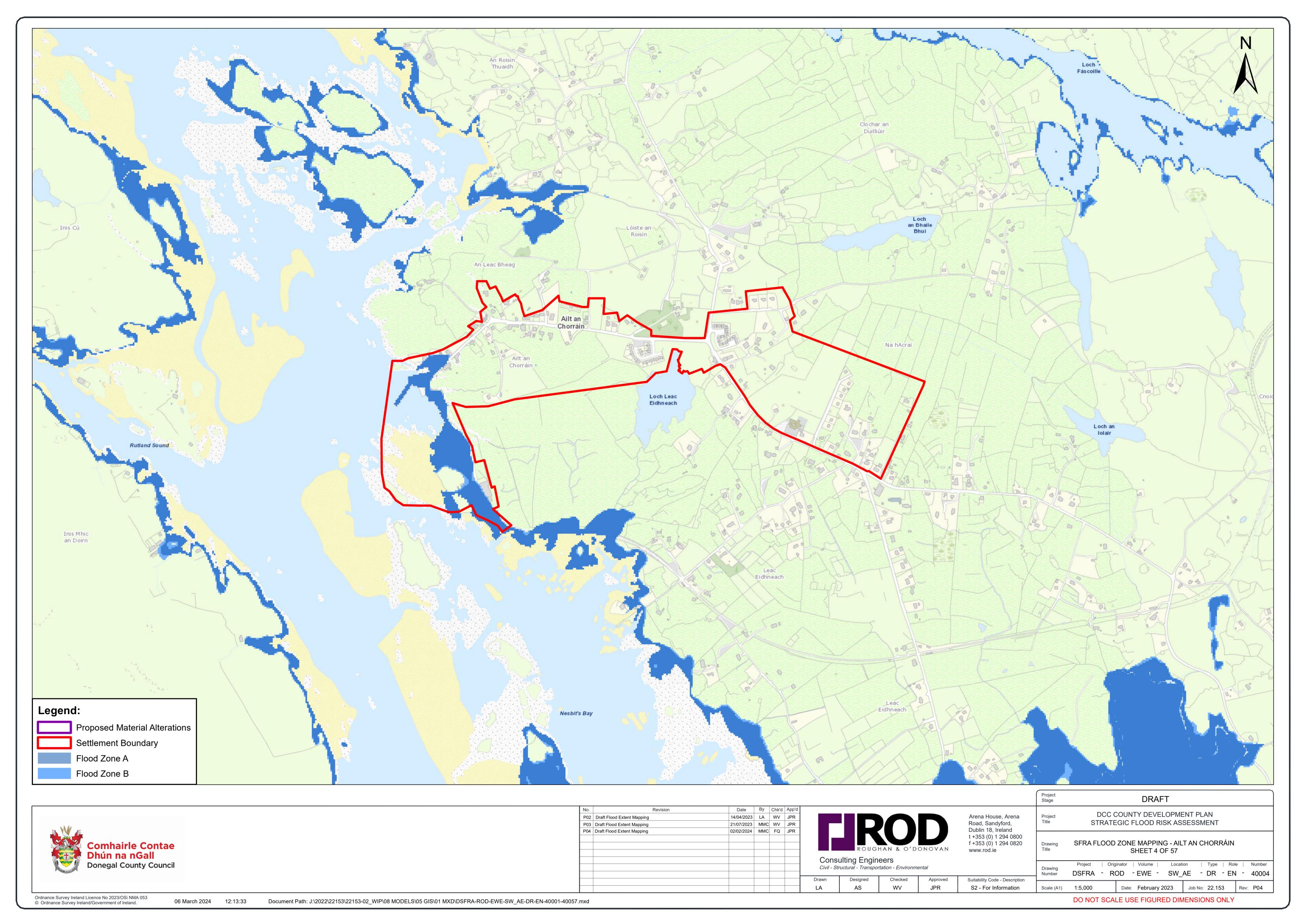
- It is a policy of the Council not to permit developments which would hinder the maintenance of river or drainage channels.
- It is a policy of the Council to promote and protect the ecosystem services provided by floodplains and their native riparian vegetation along all watercourses and ensure that a suitable riparian buffer from the top of the riverbank is maintained / reinstated along all watercourses within development sites. Developments within riparian lands shall be subject to hydromorphological assessments in line with the Department of Housing, Planning and Local Government's Technical Guidance to Morphological Risk Assessment of Rivers Guidelines for Planning Authorities.
- Policies have been applied to specific proposed zonings to ensure flood risk is appropriately managed. These zonings are BS-CI-001 & BS-NRES-002 (Ballybofey & Stranorlar). The specific policy considerations are detailed in Appendix B.

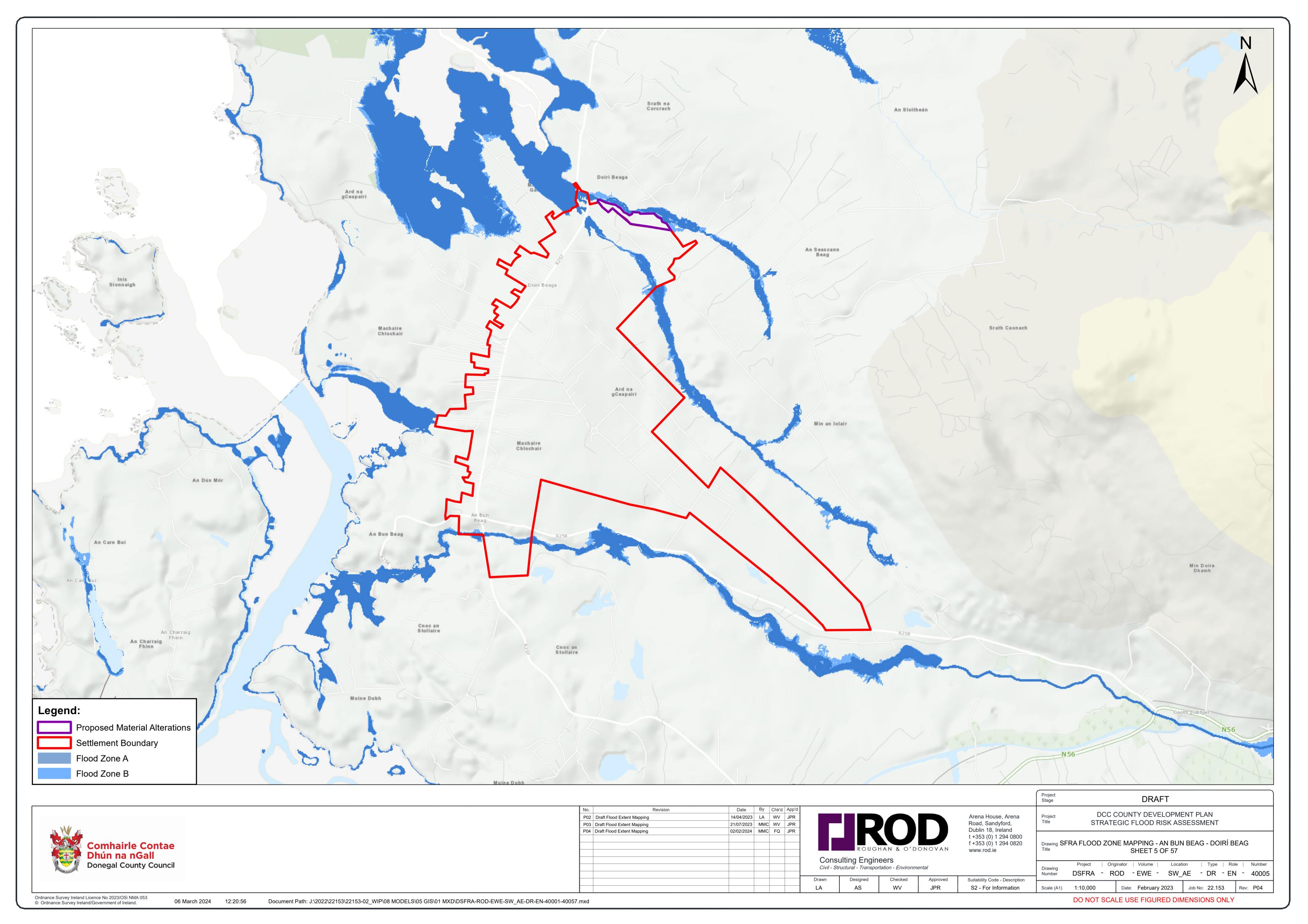
APPENDIX A FLOOD MAPPING

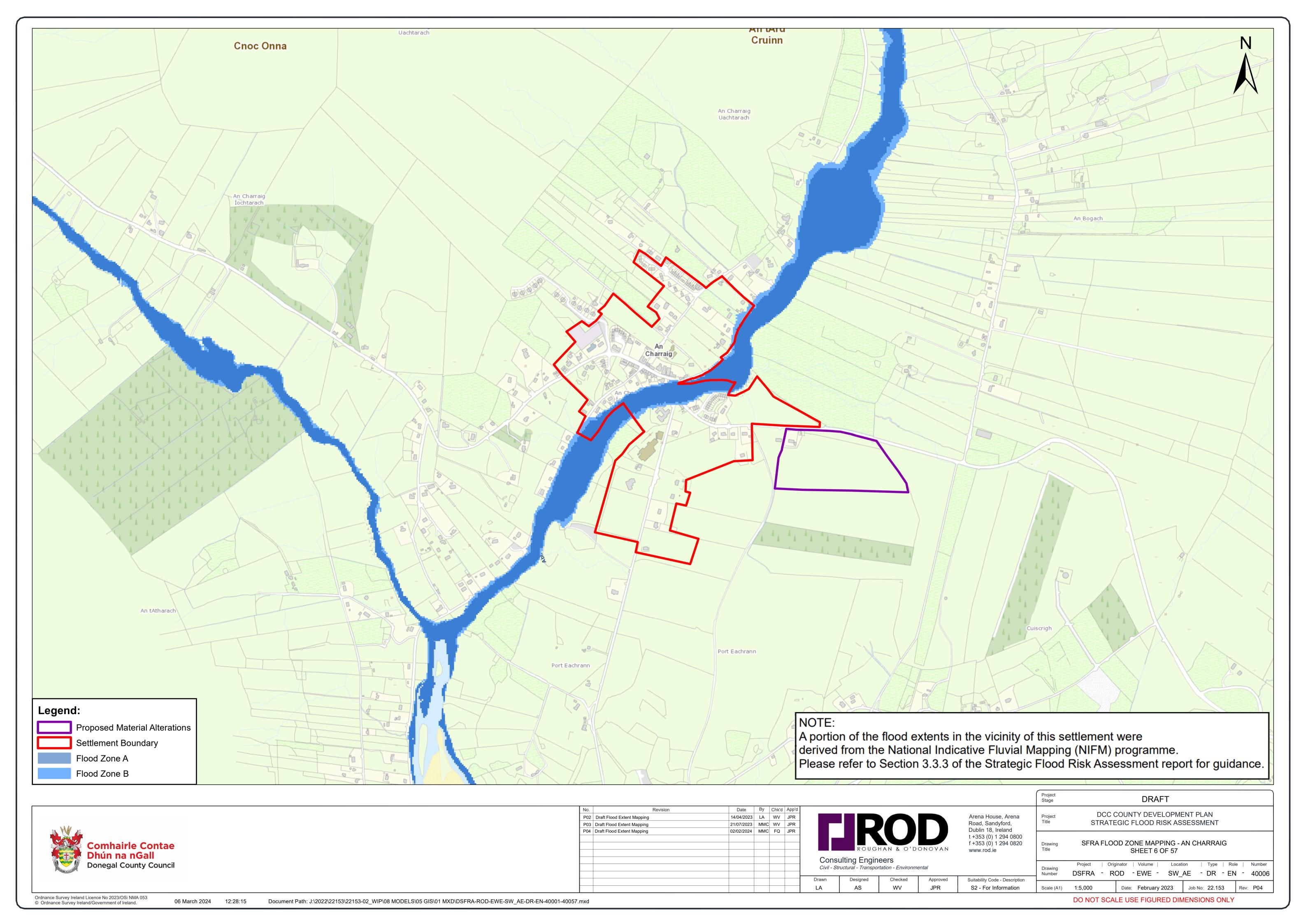


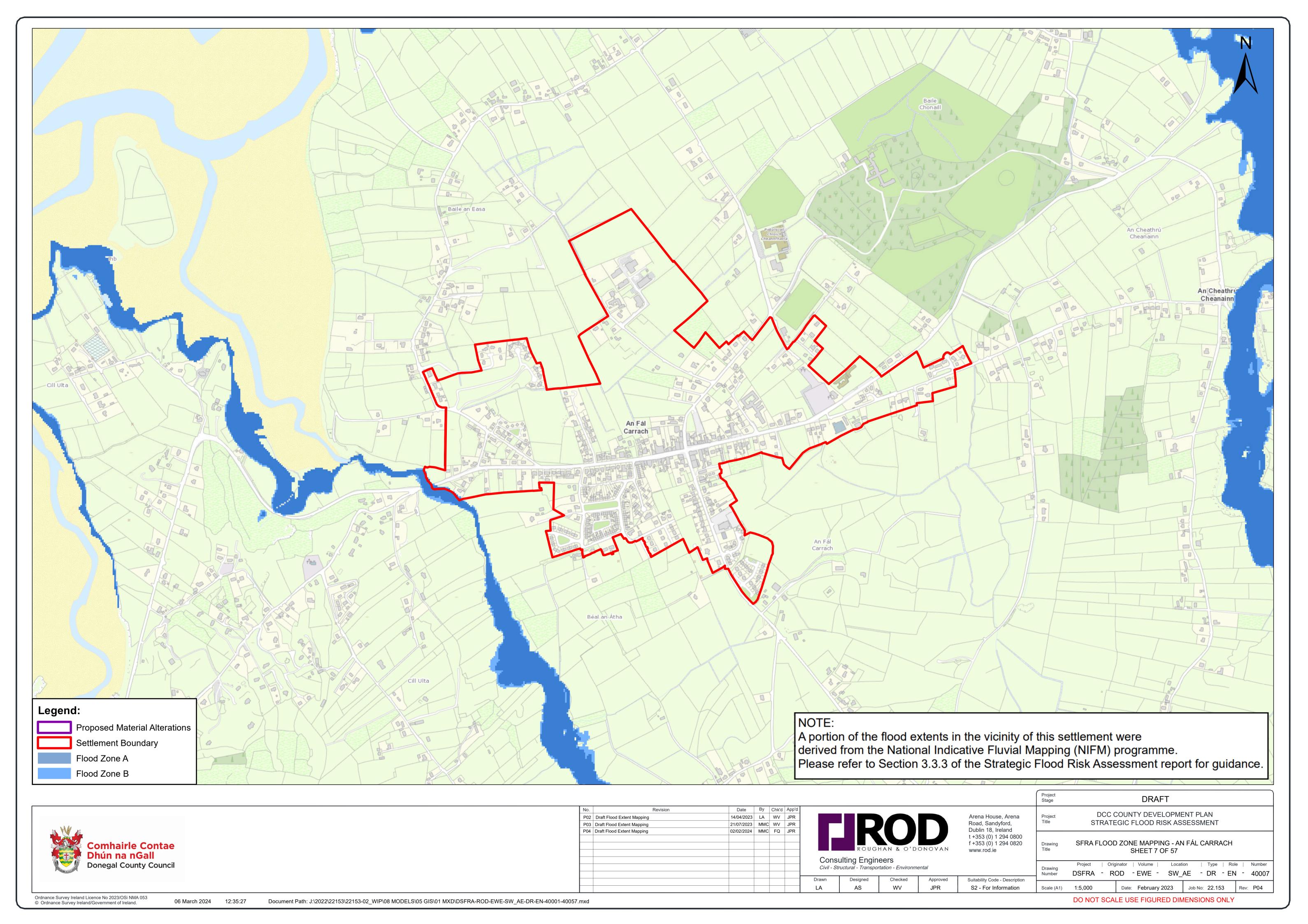


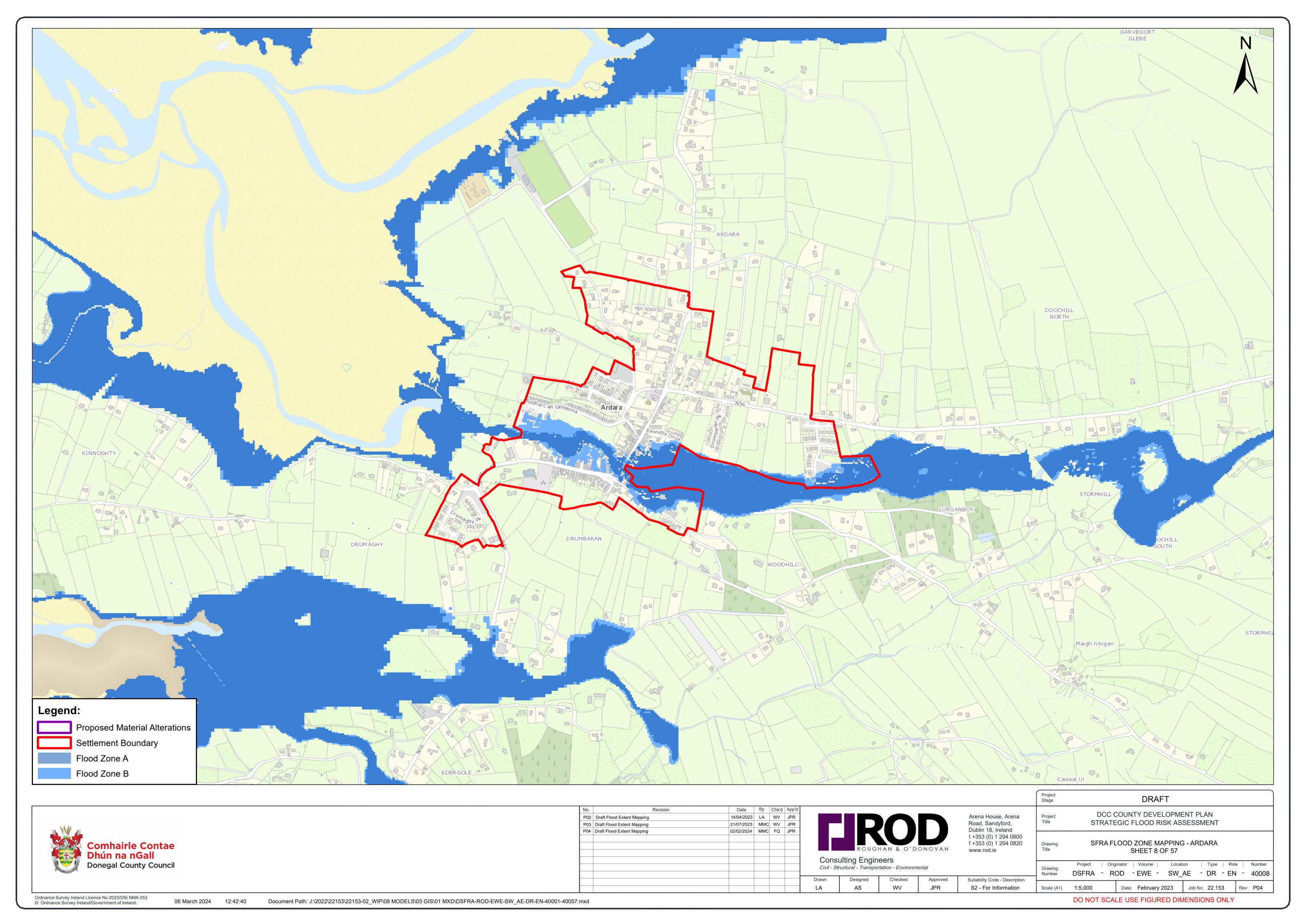


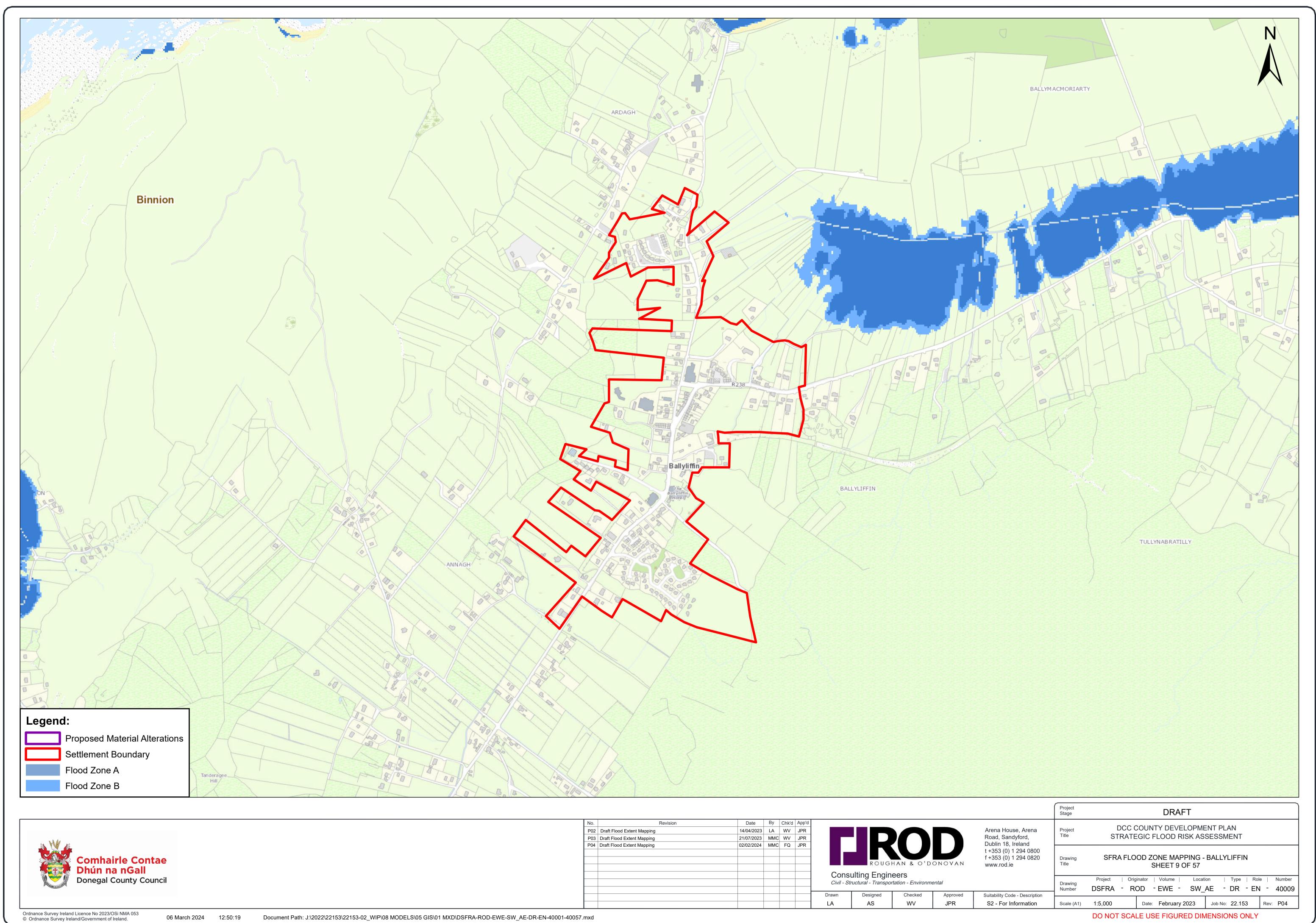


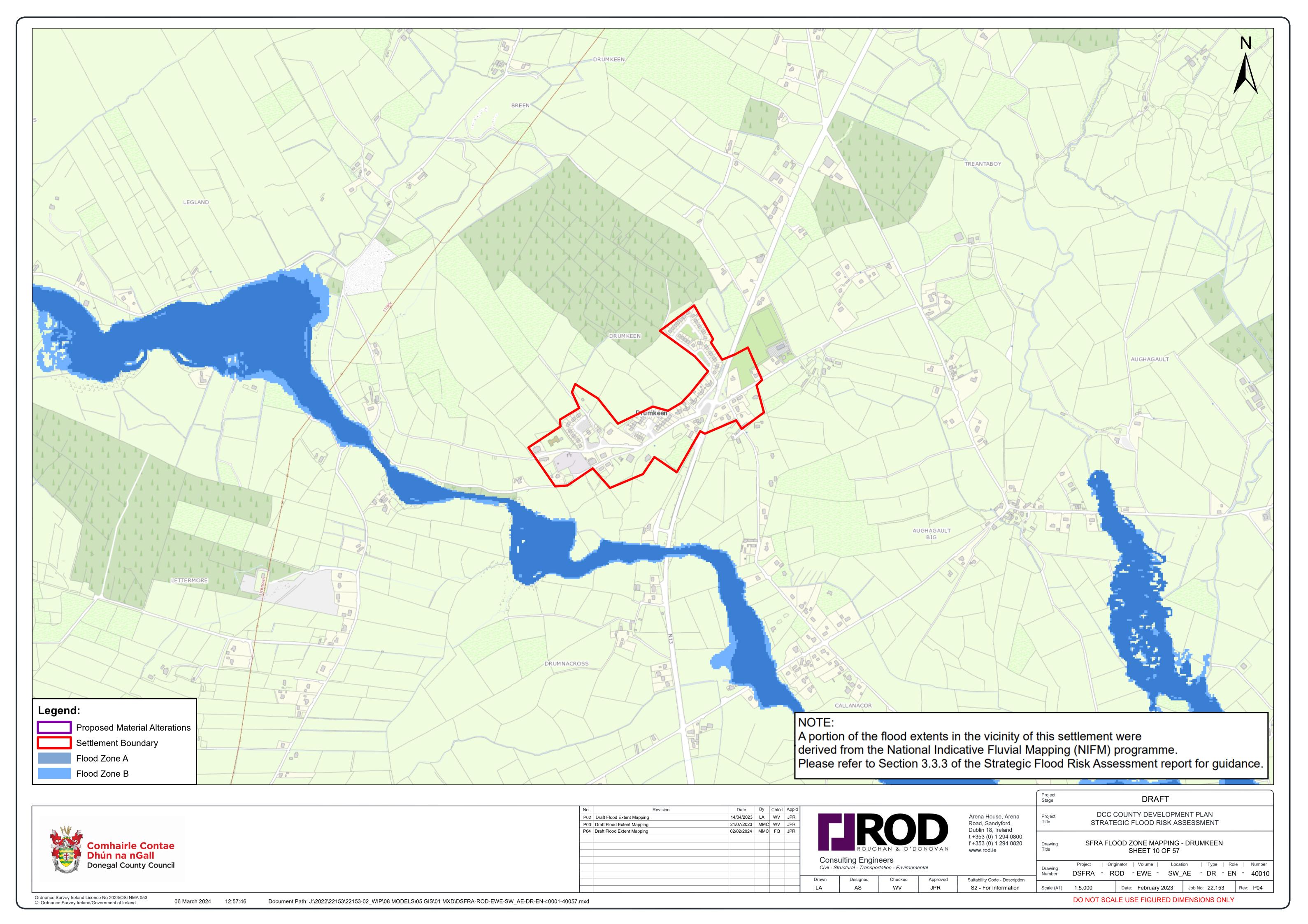


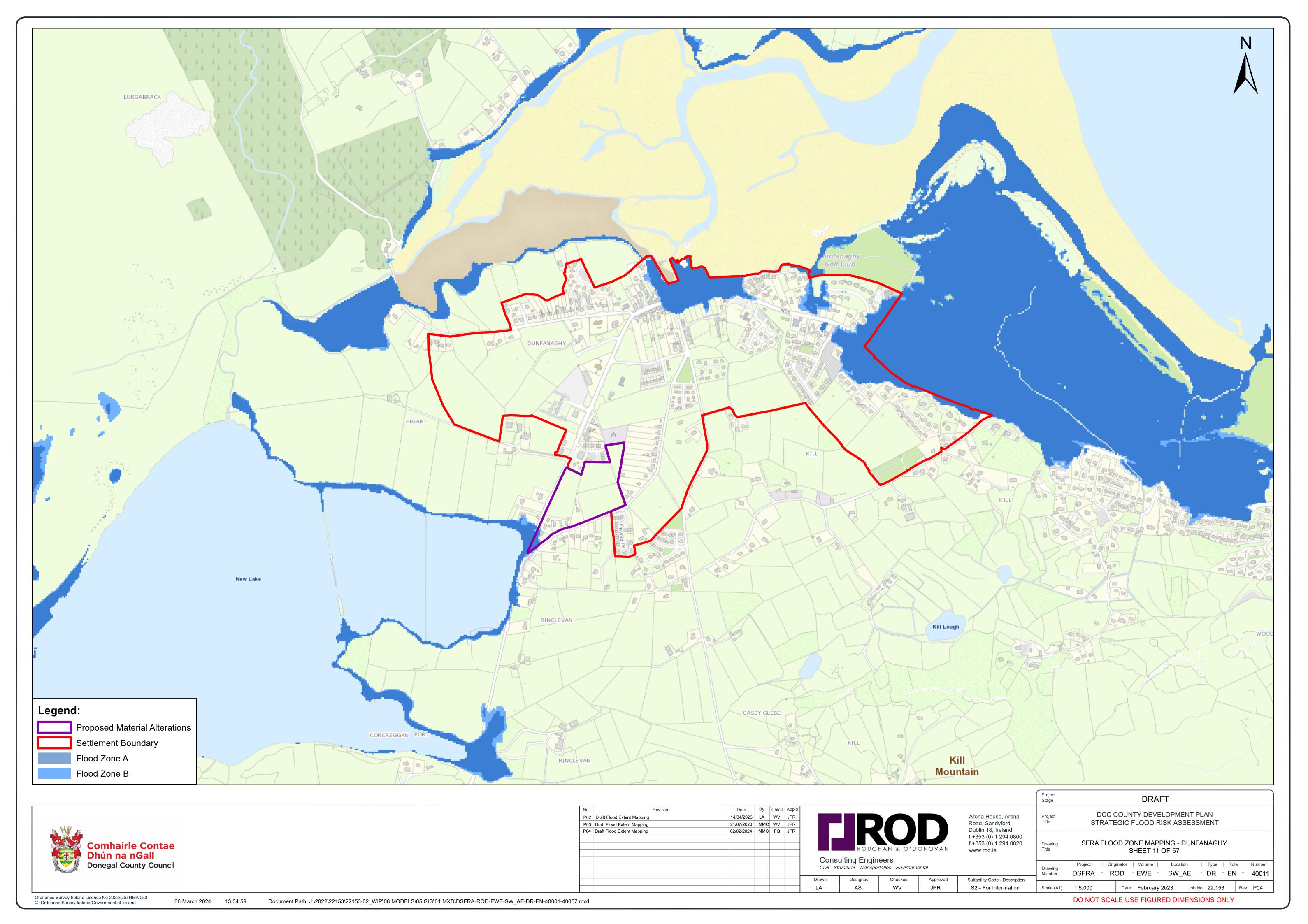


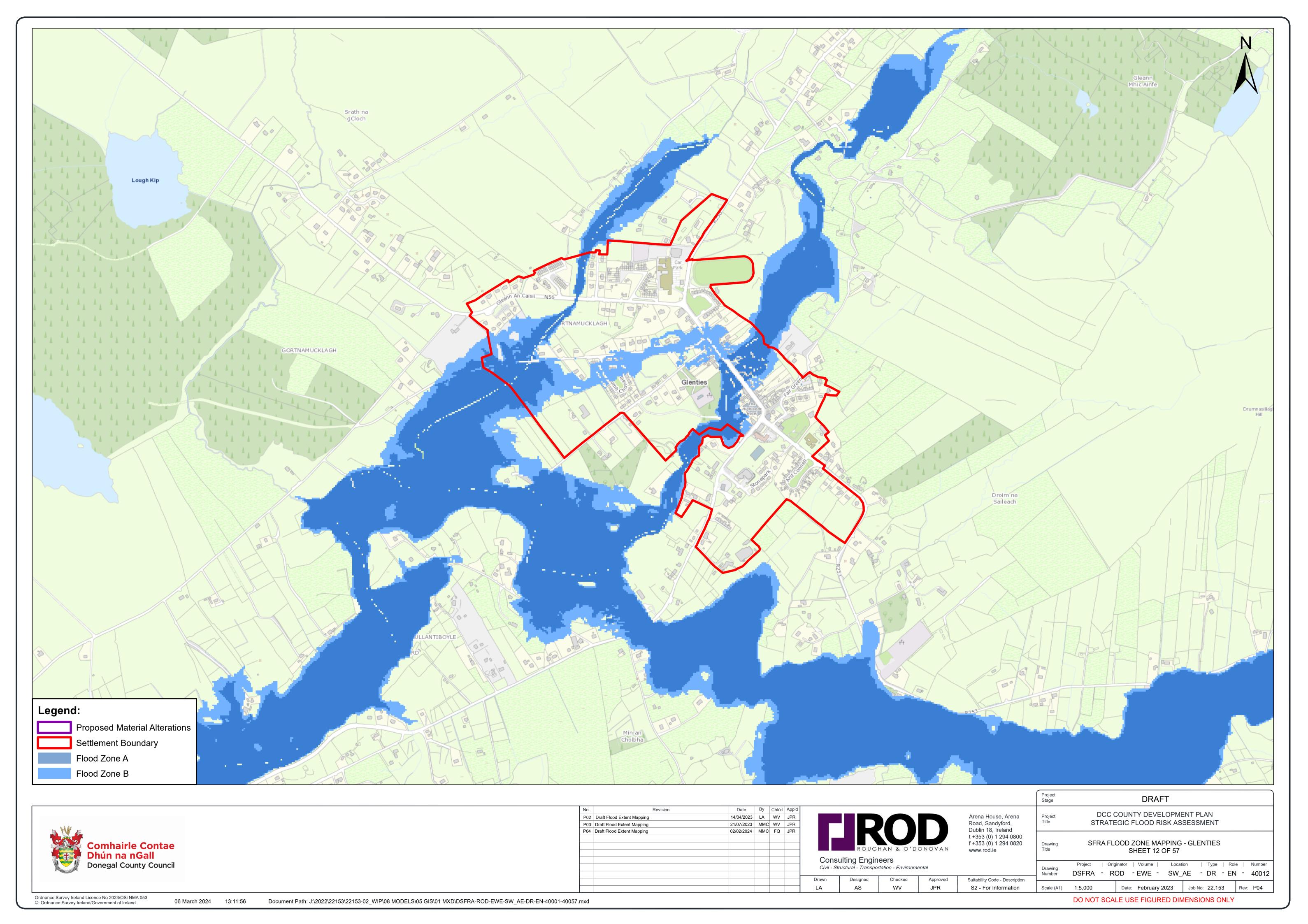


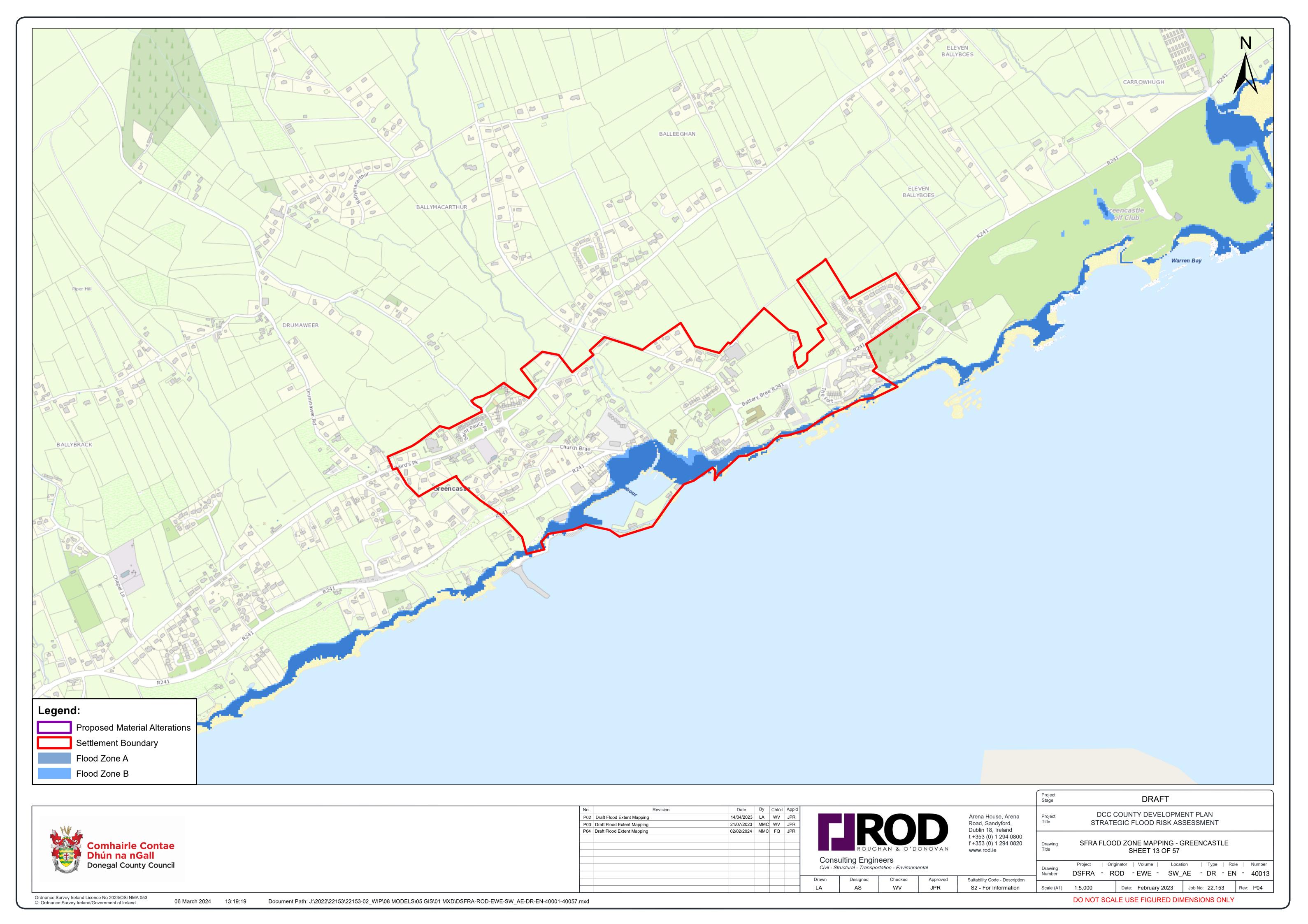


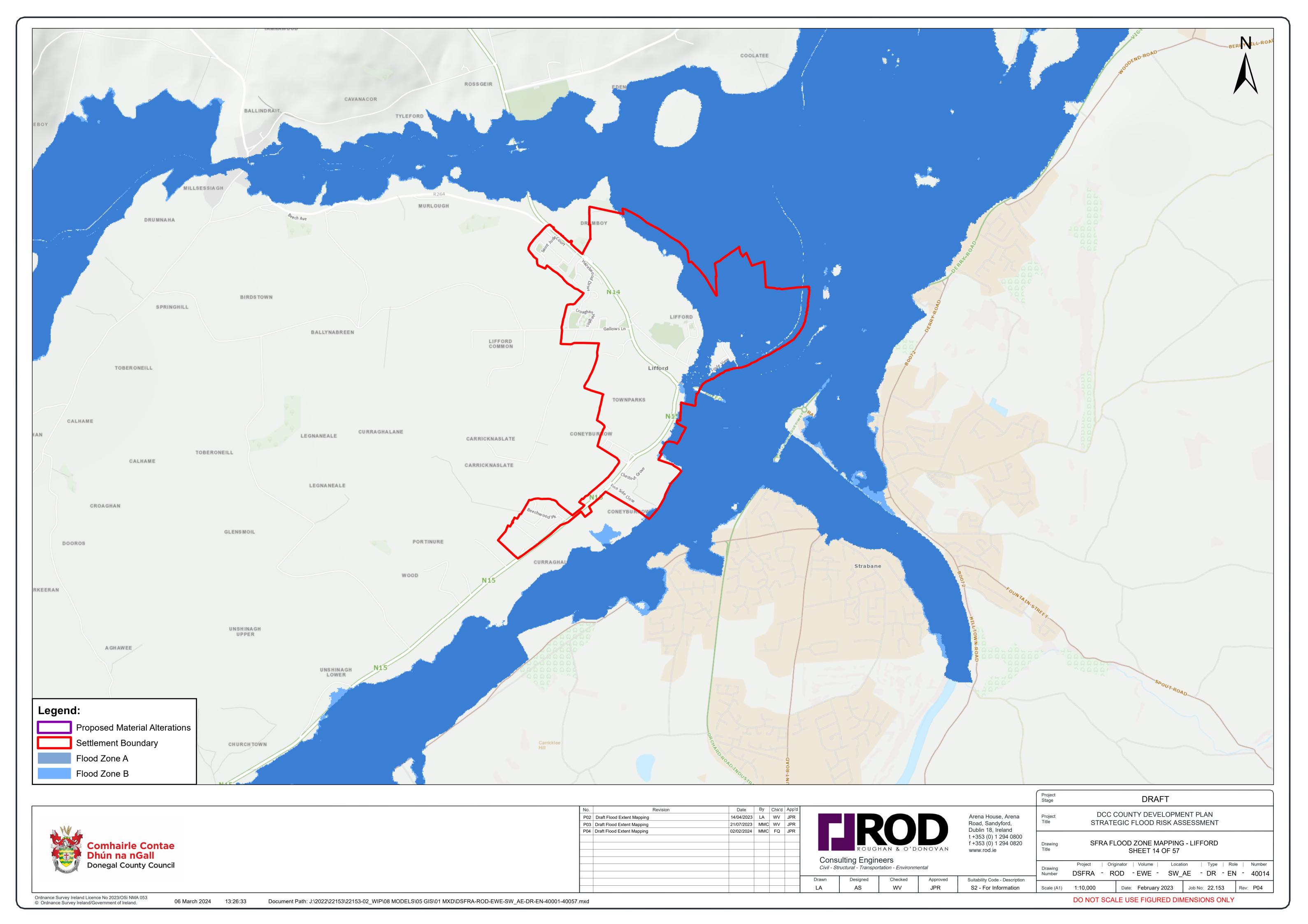


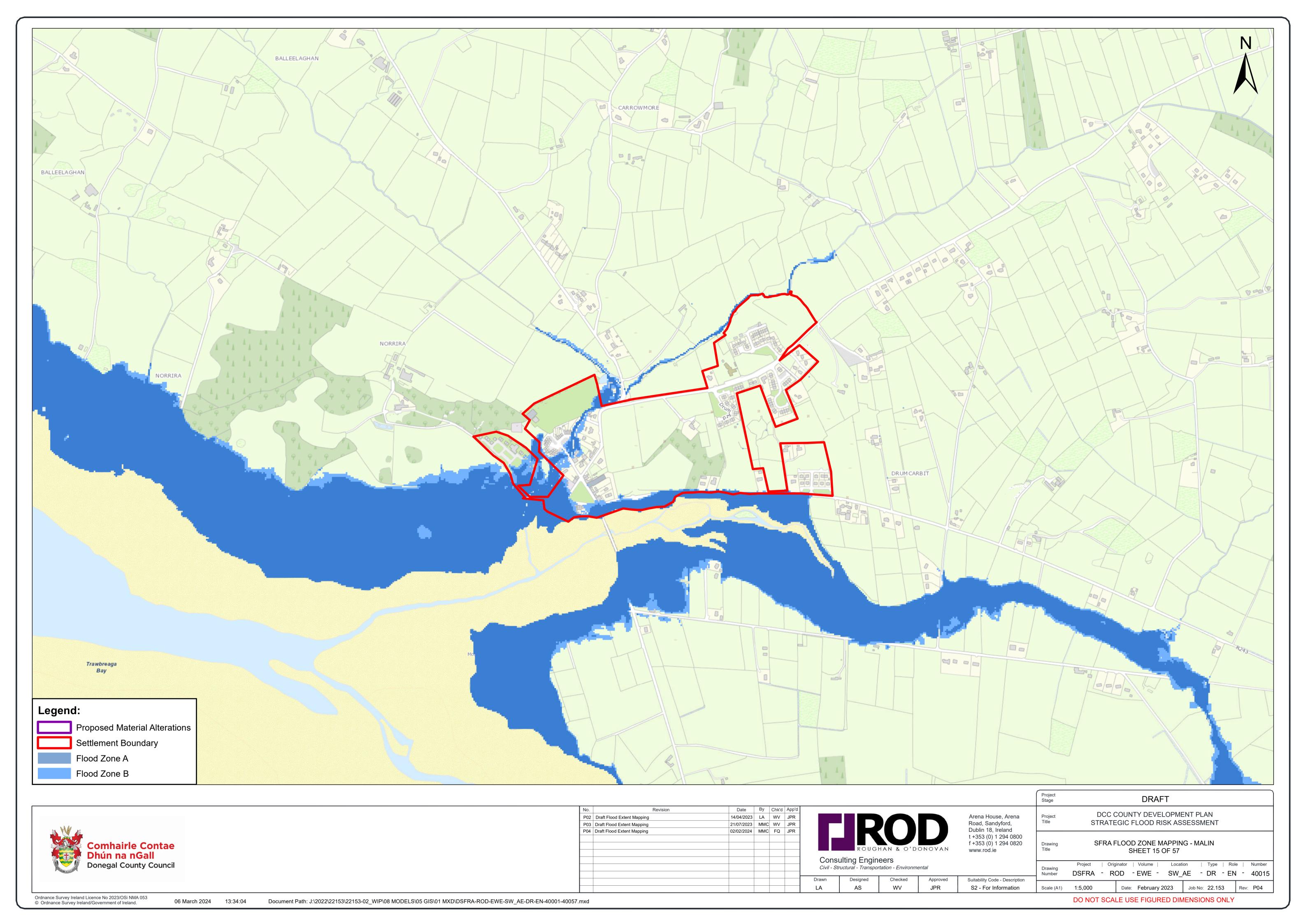


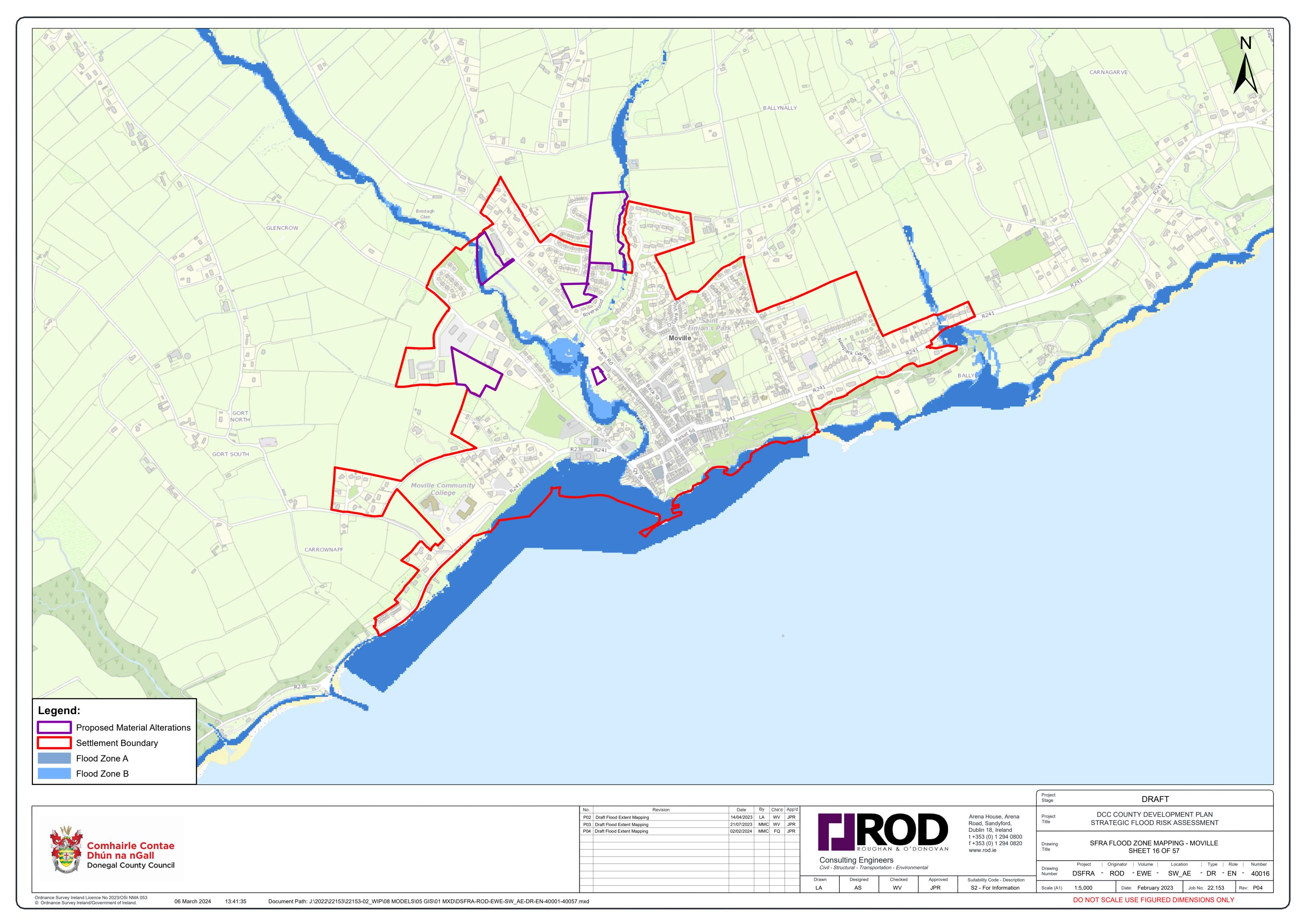


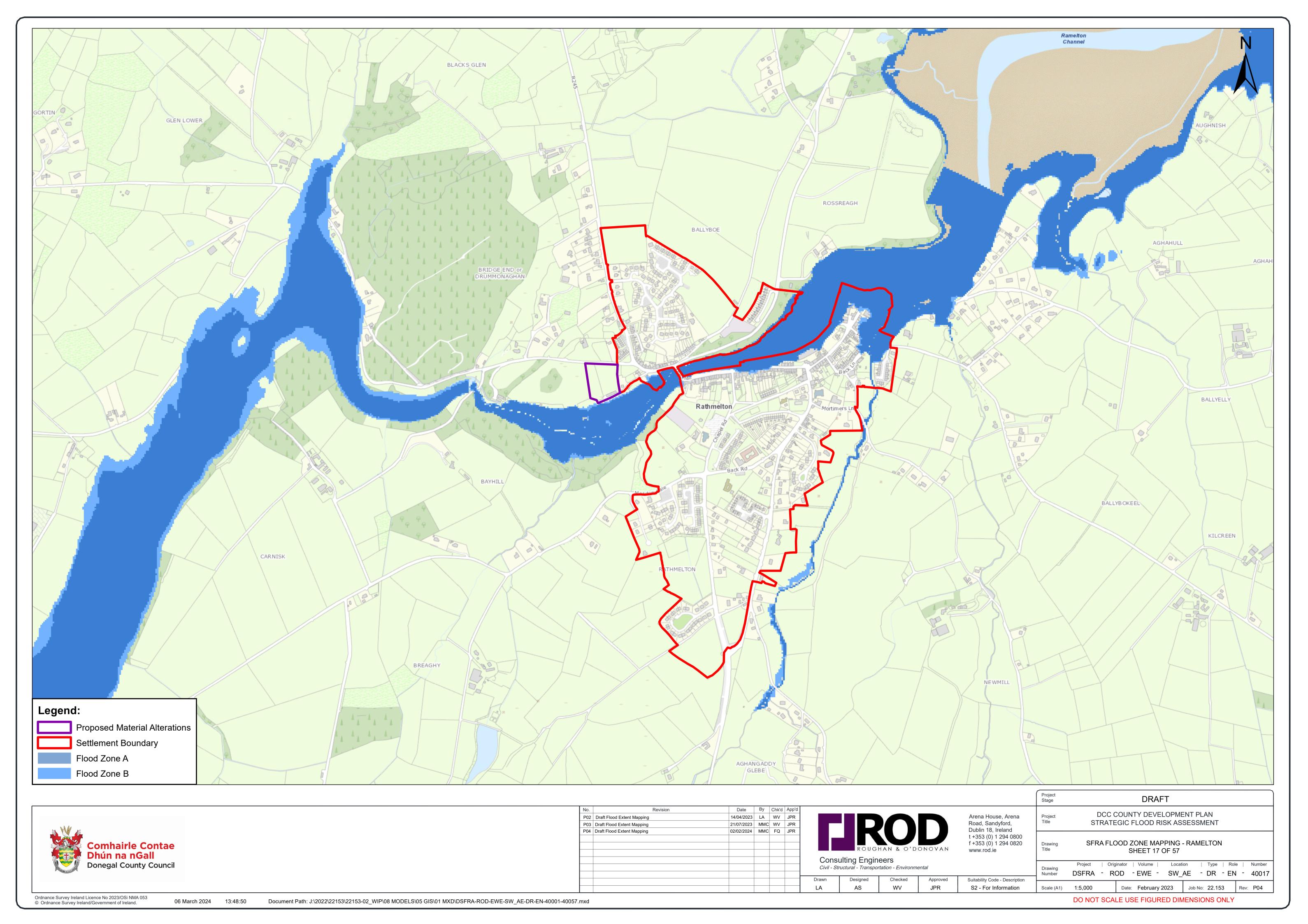


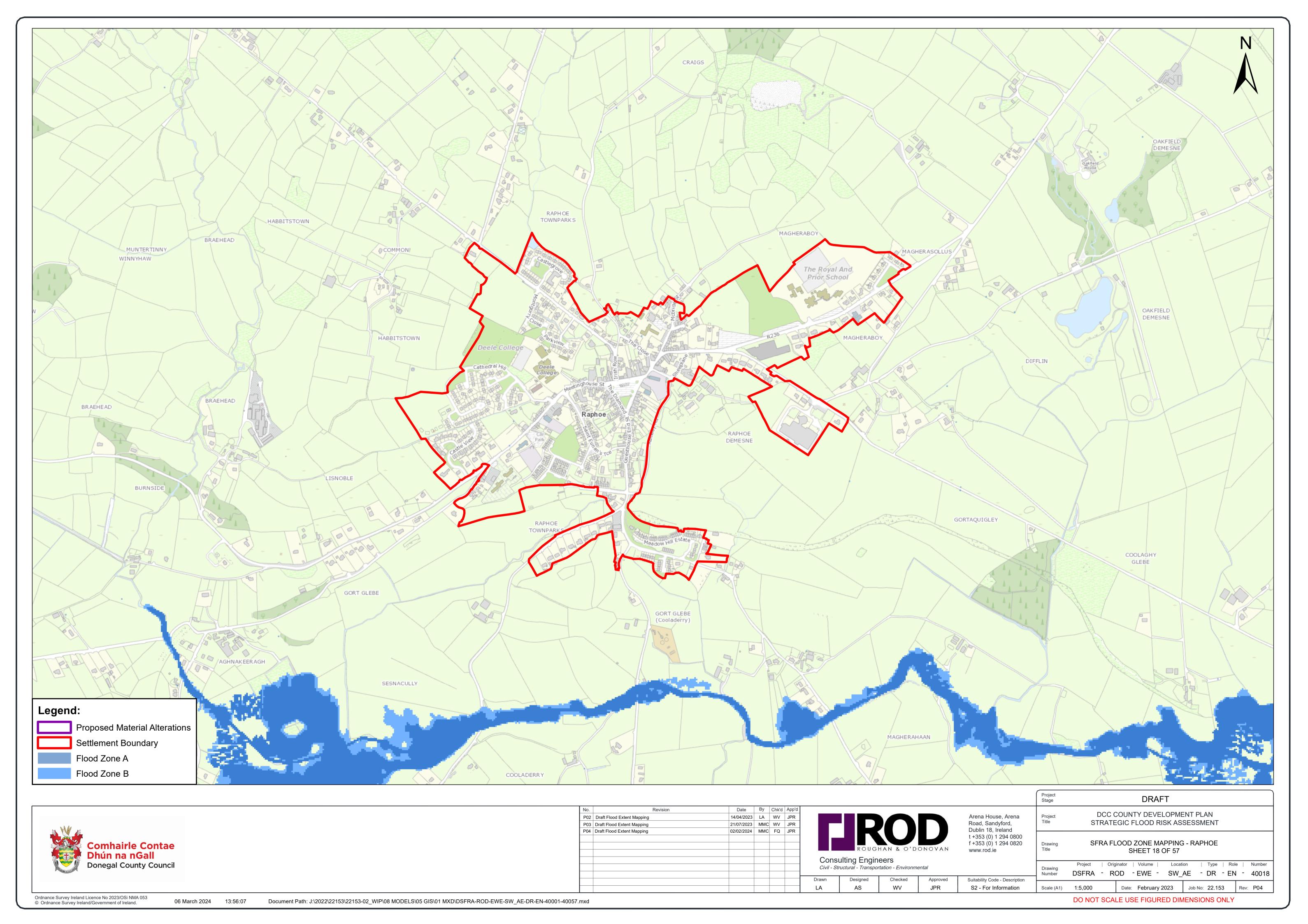


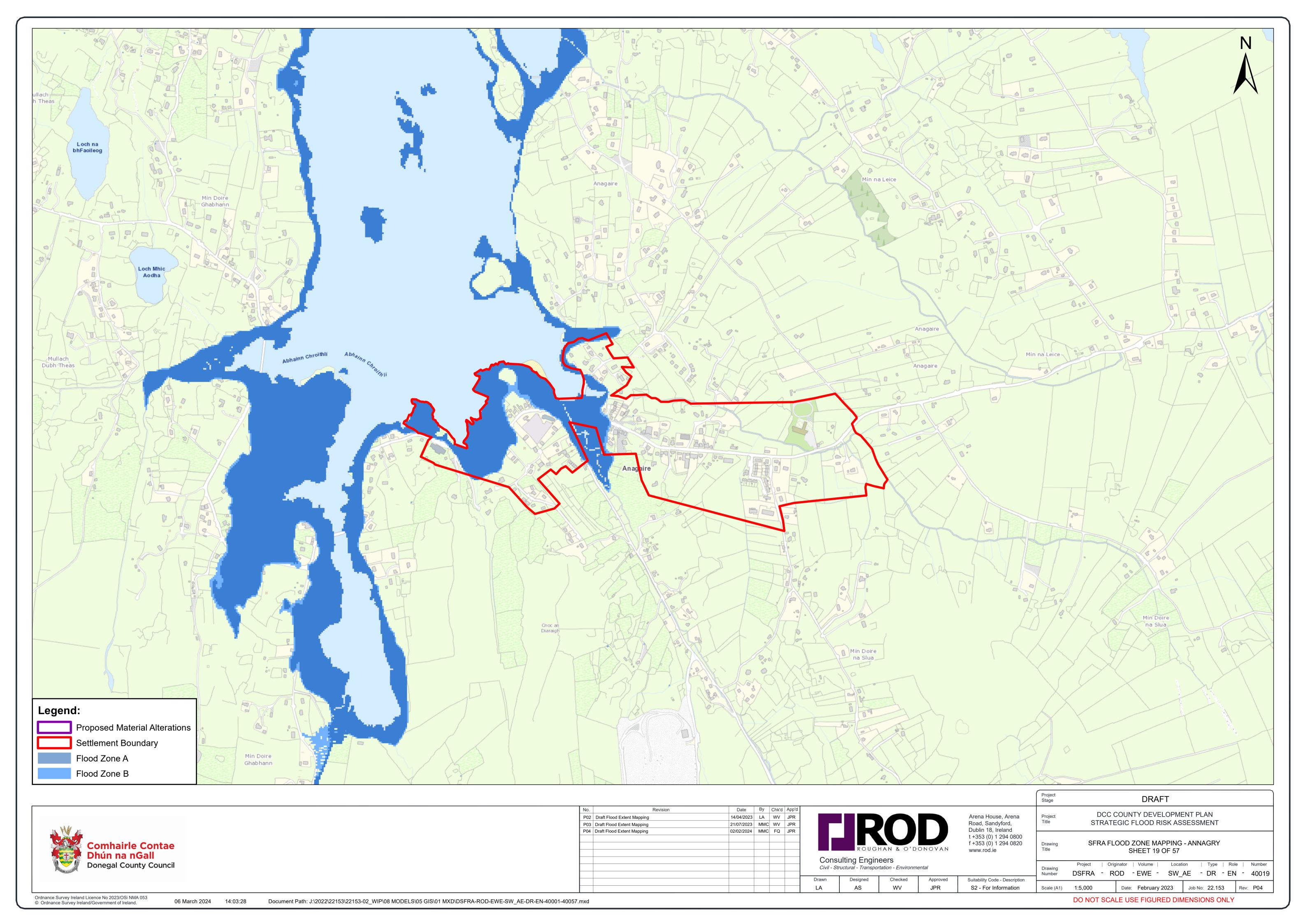


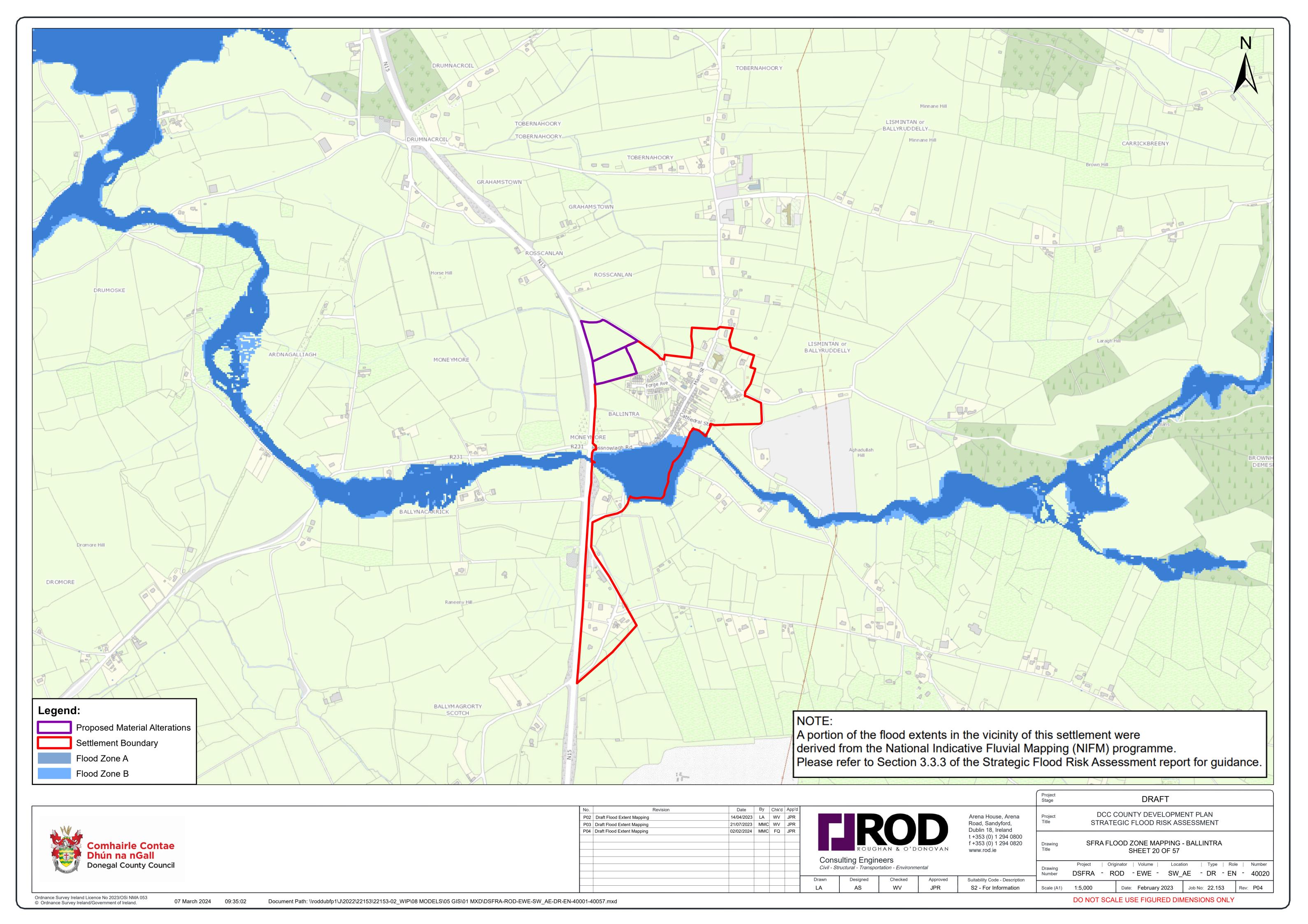


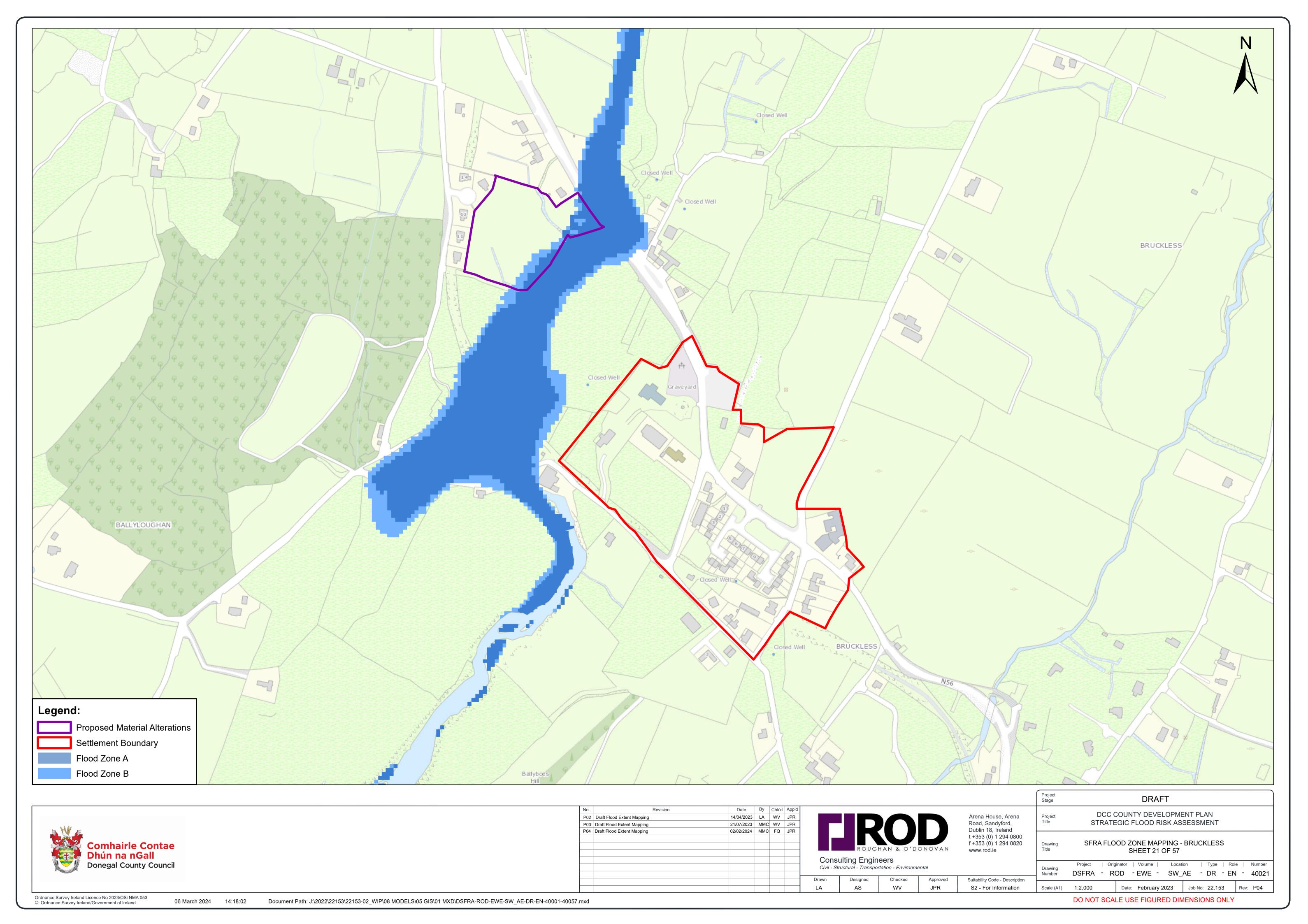


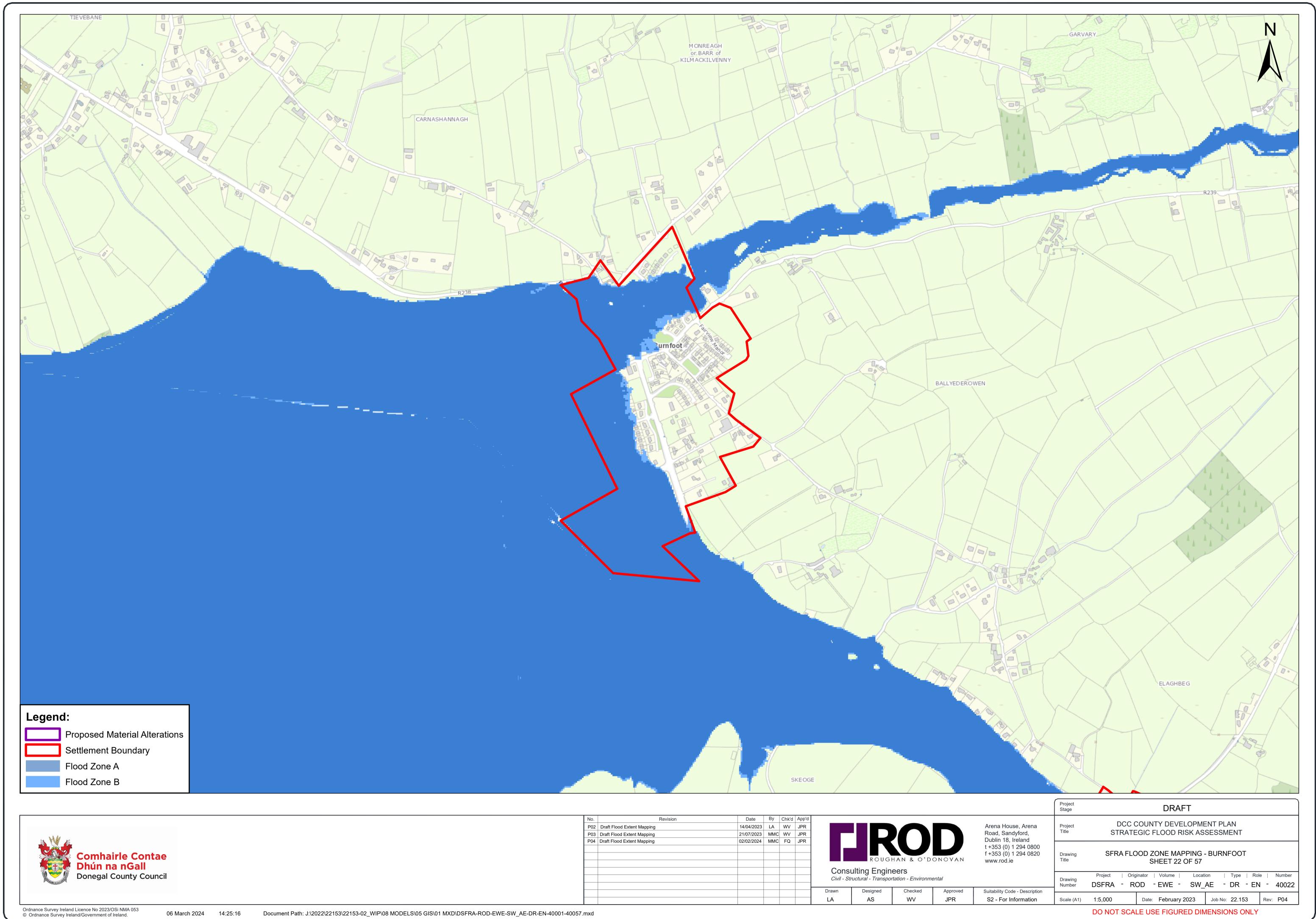


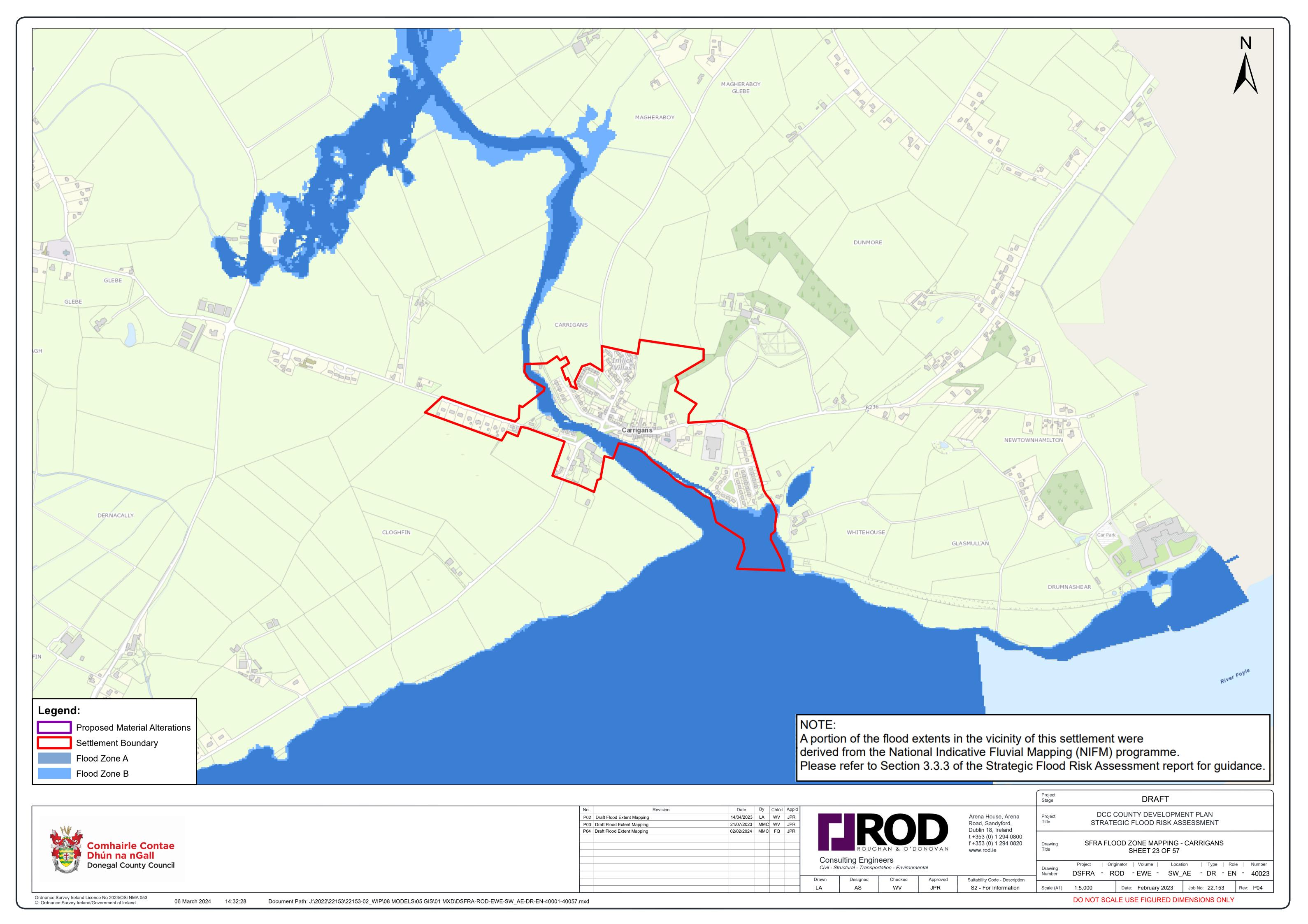


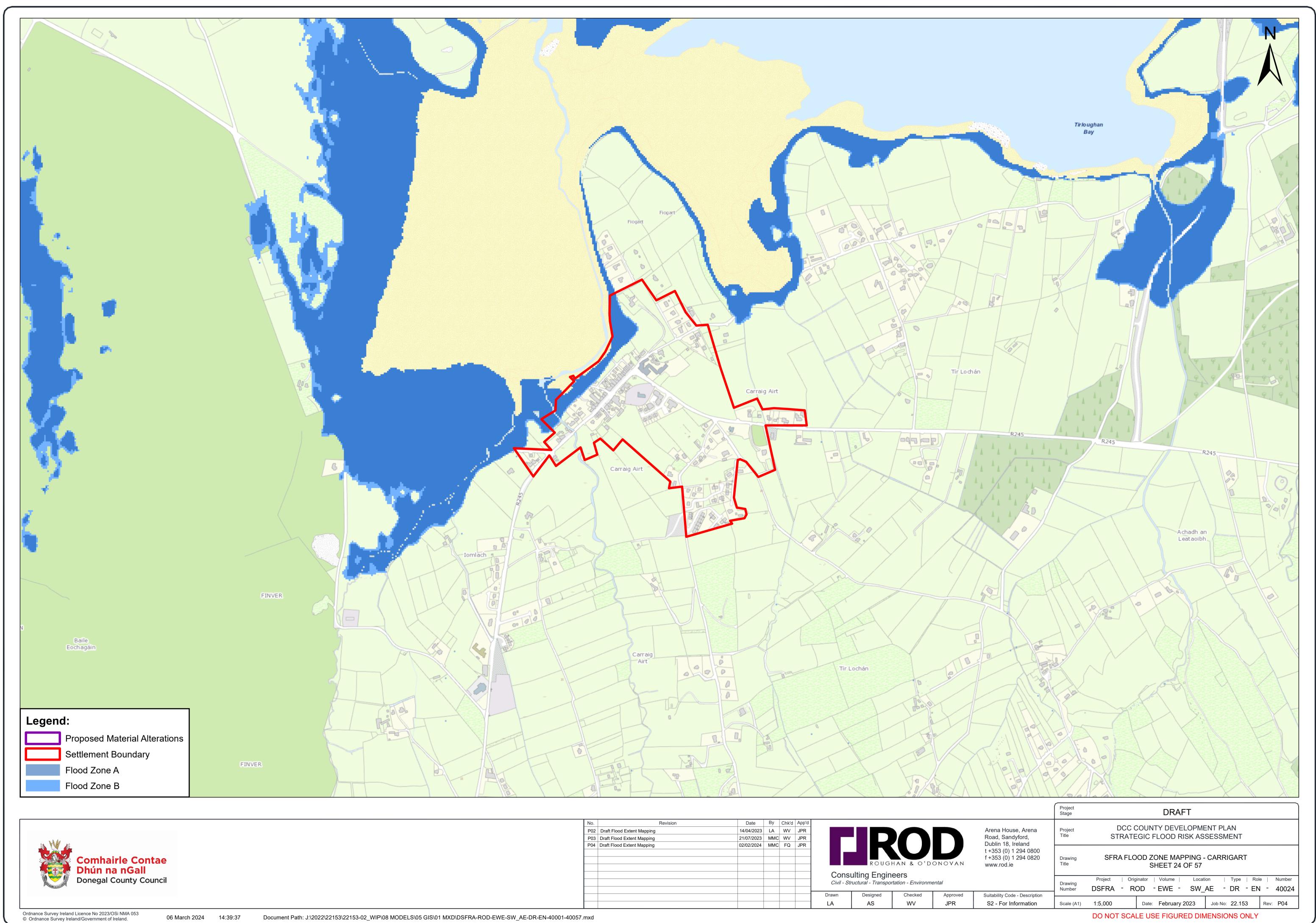


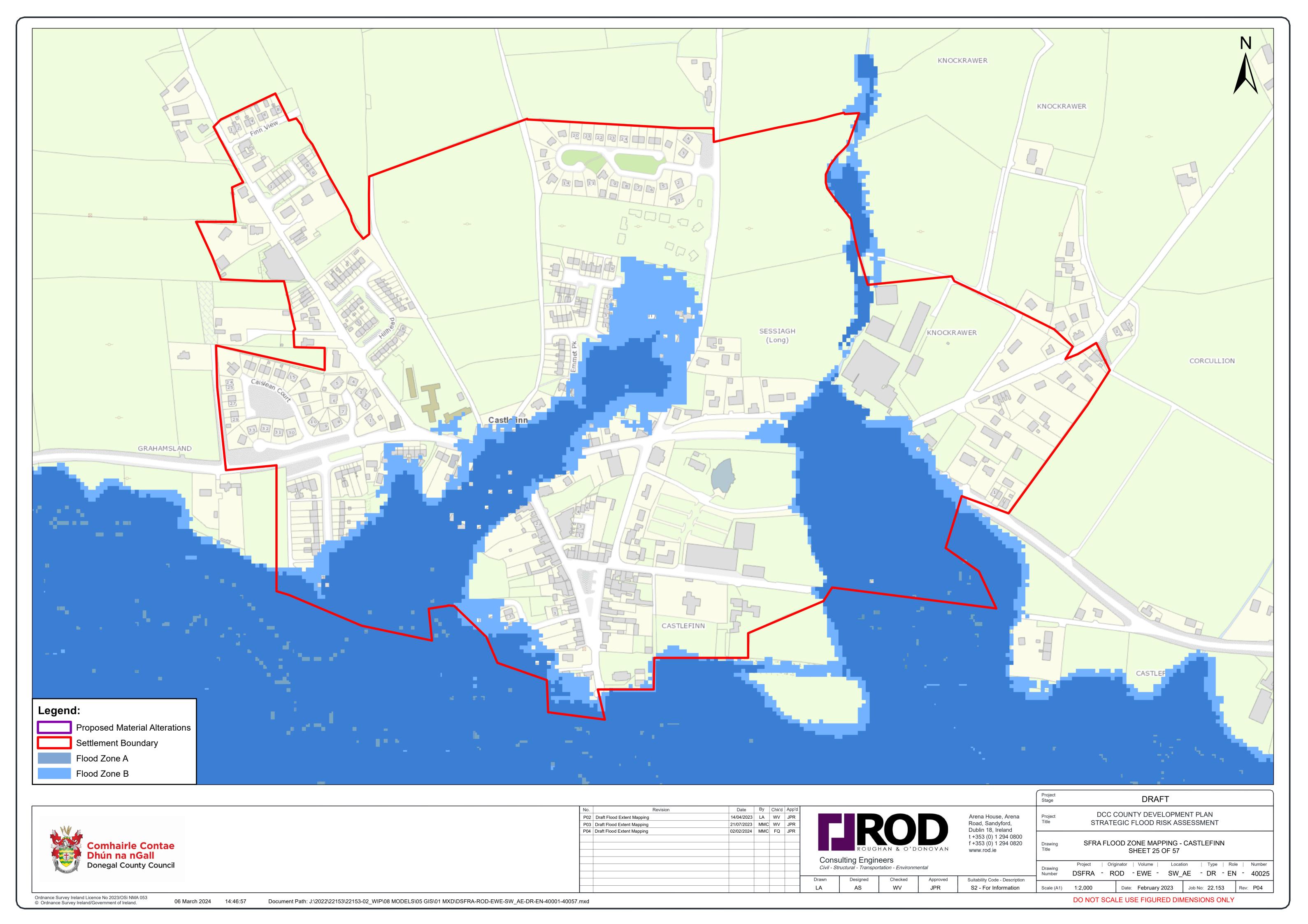


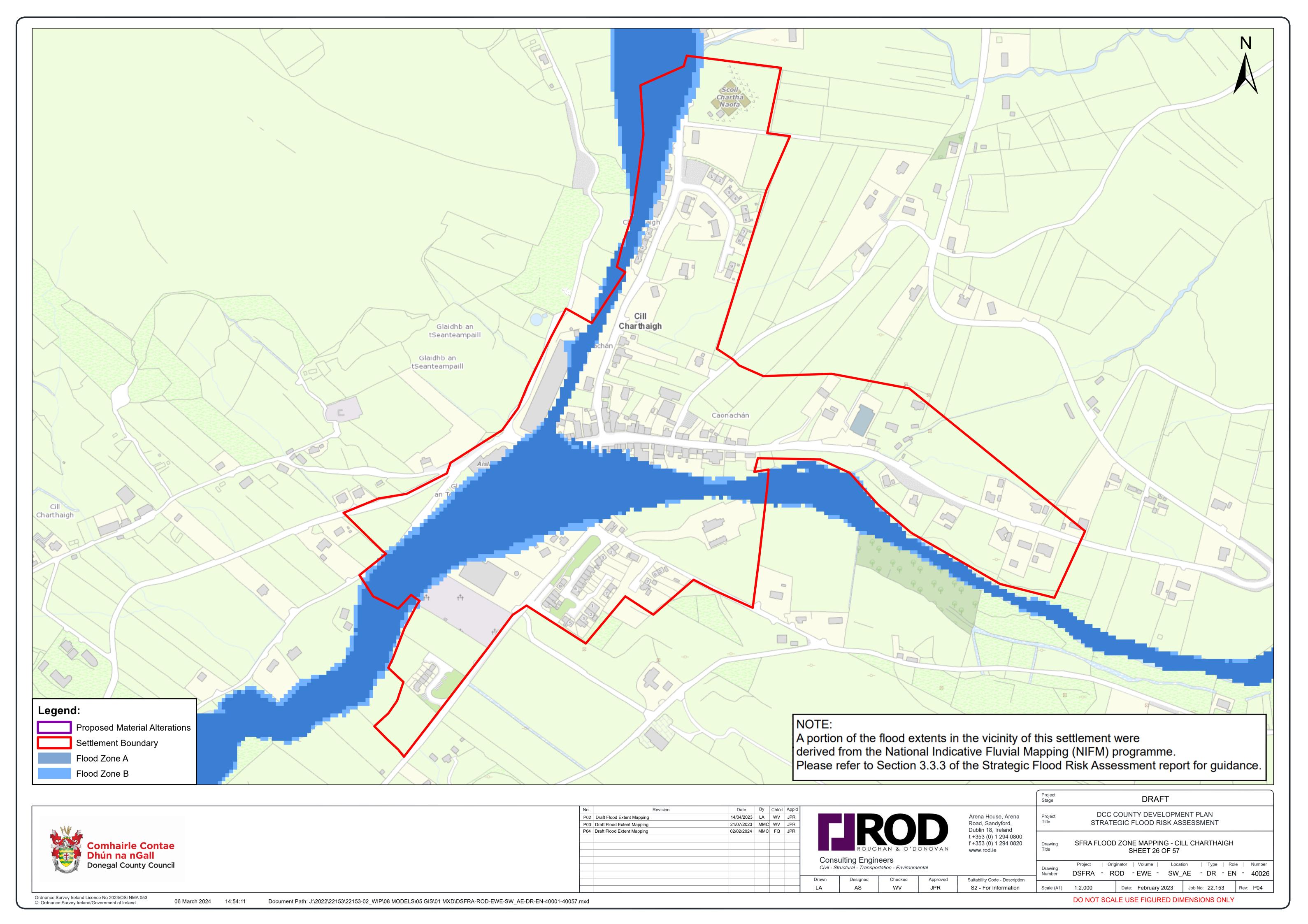


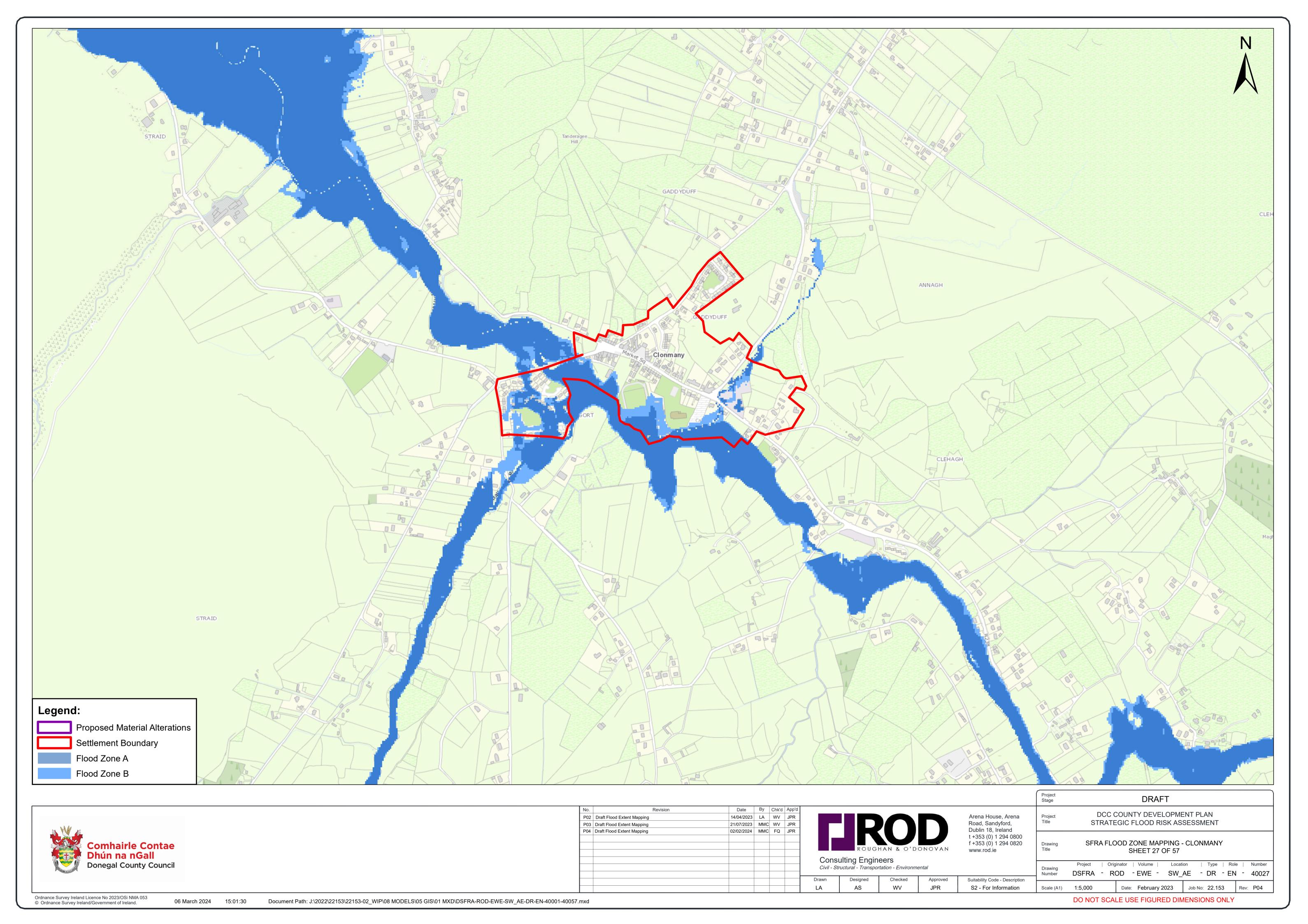


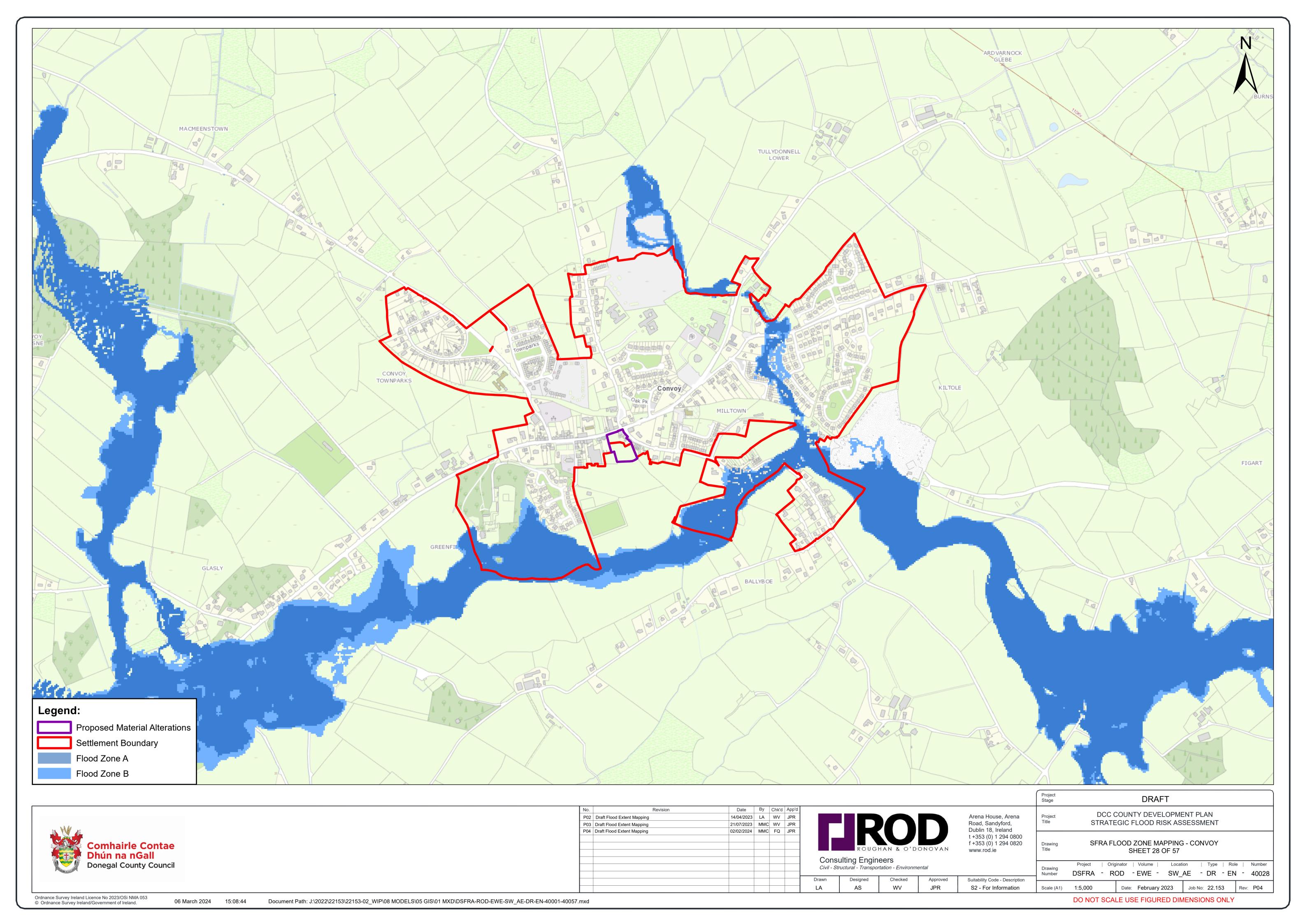


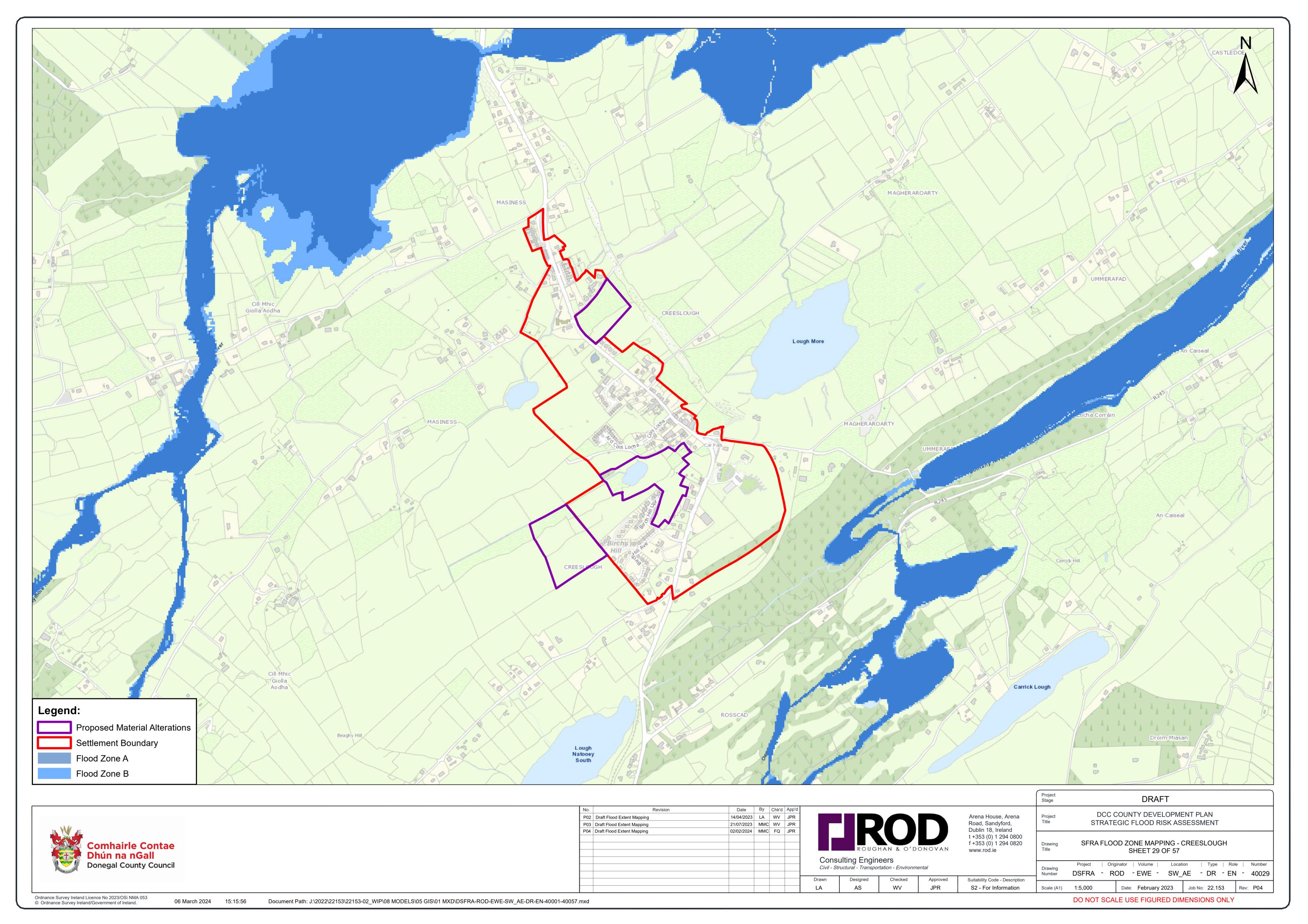


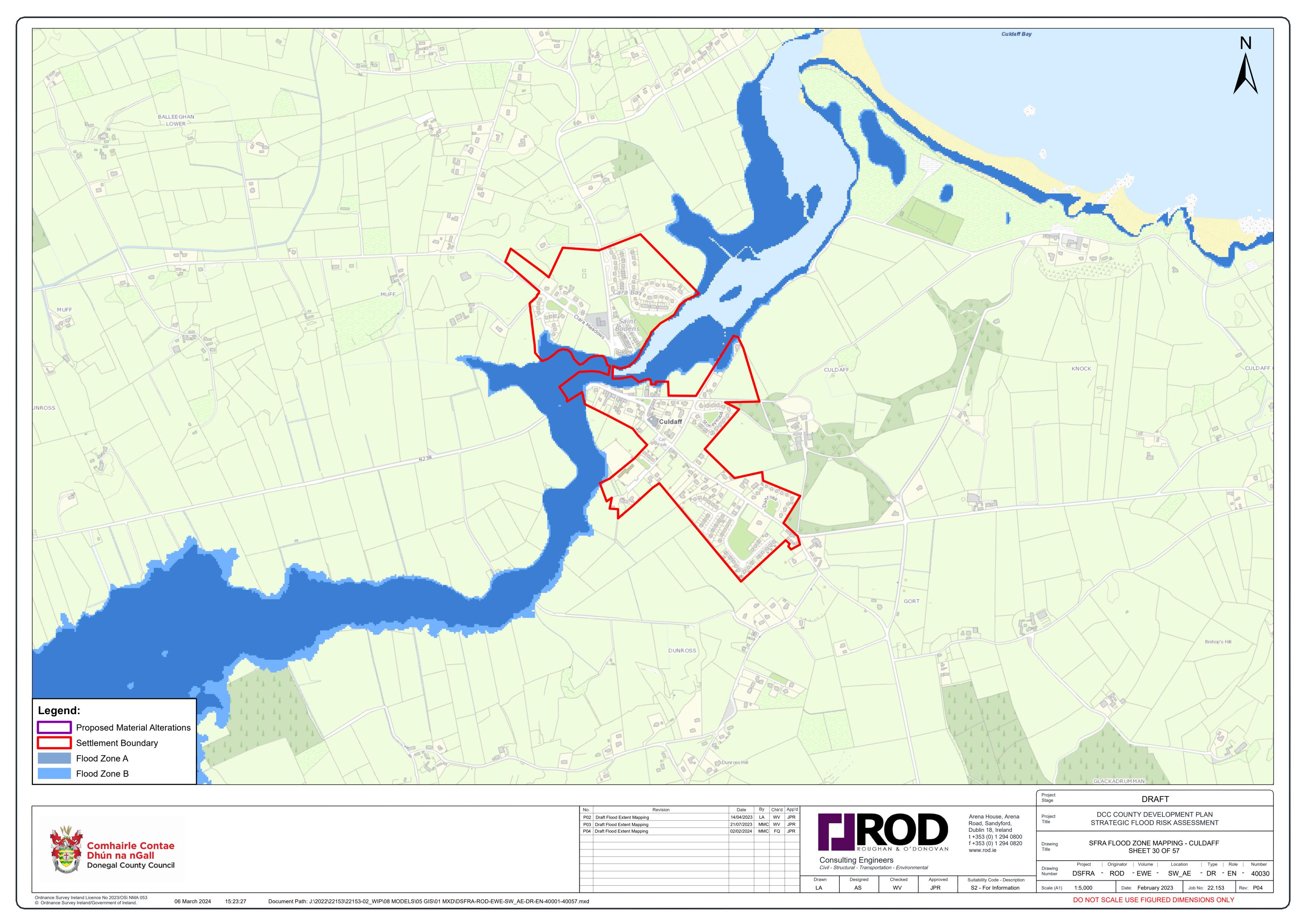


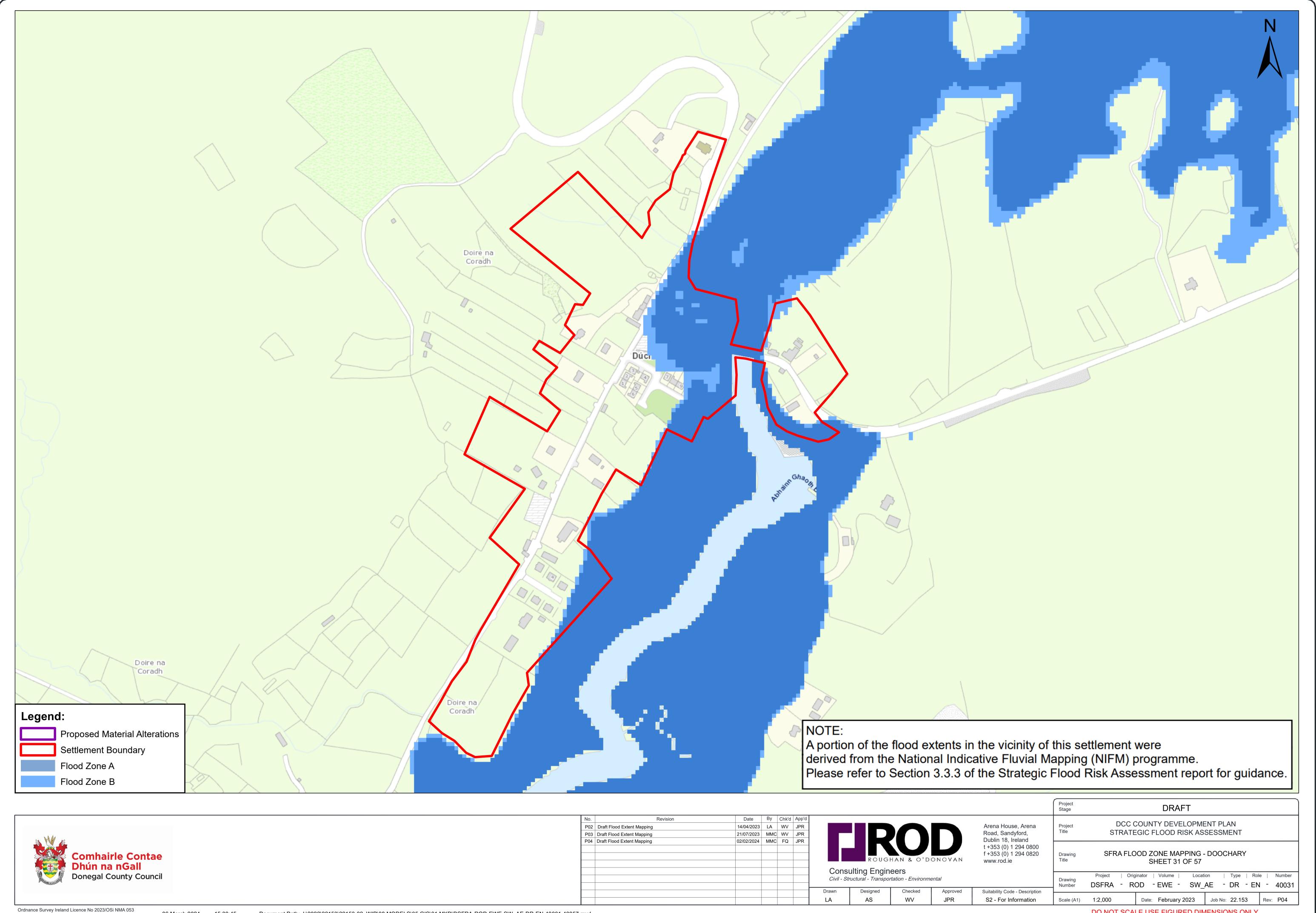




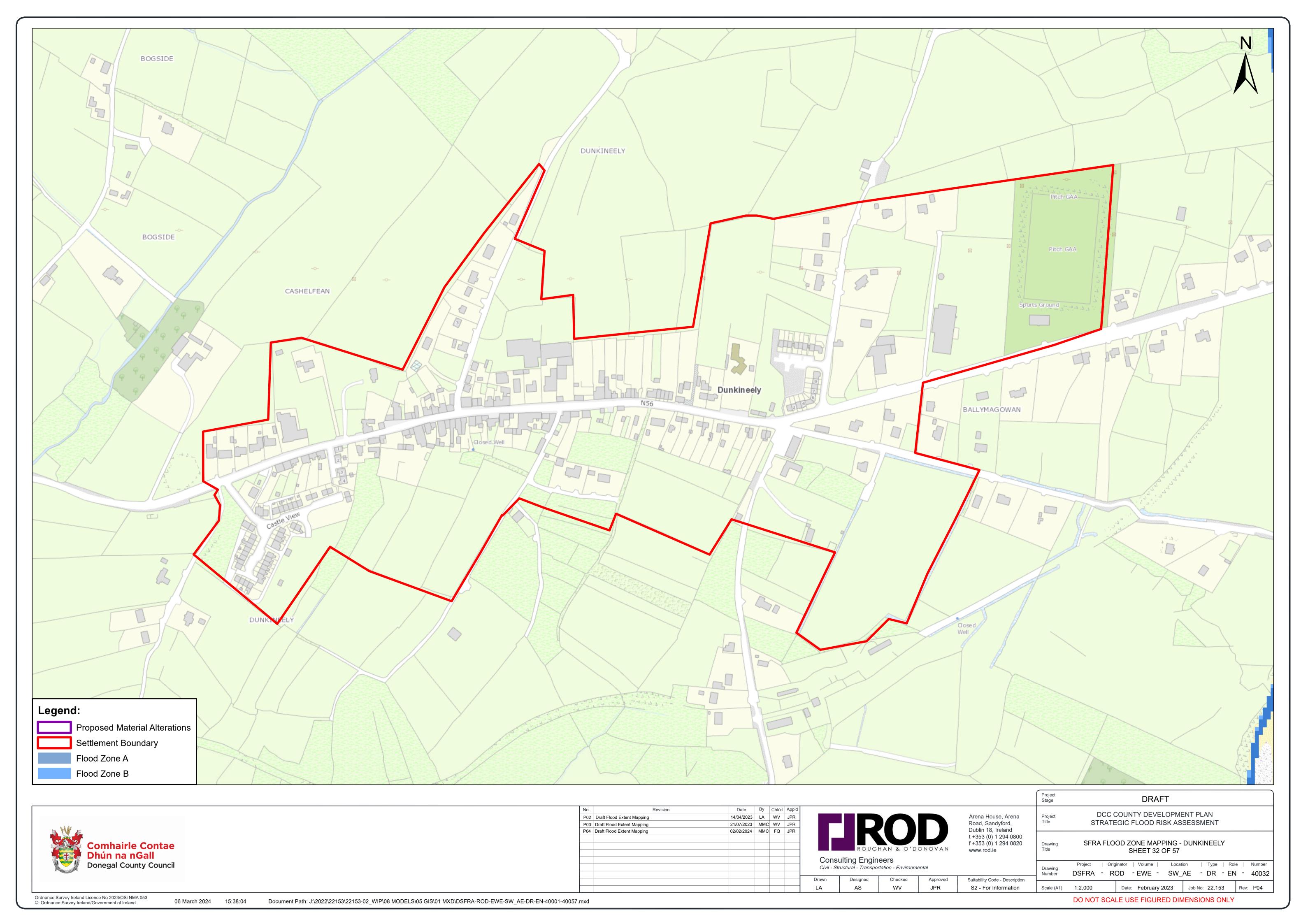


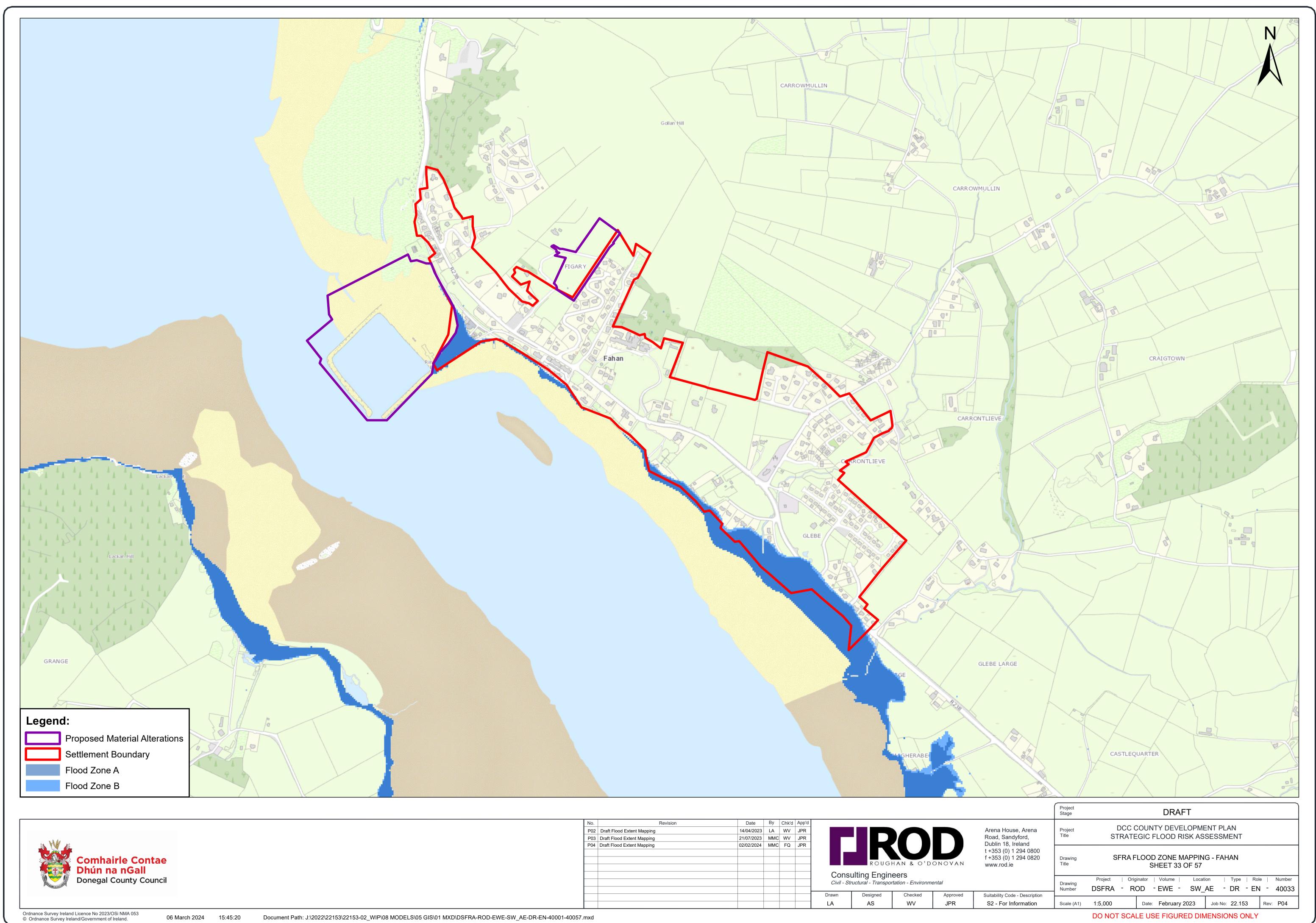




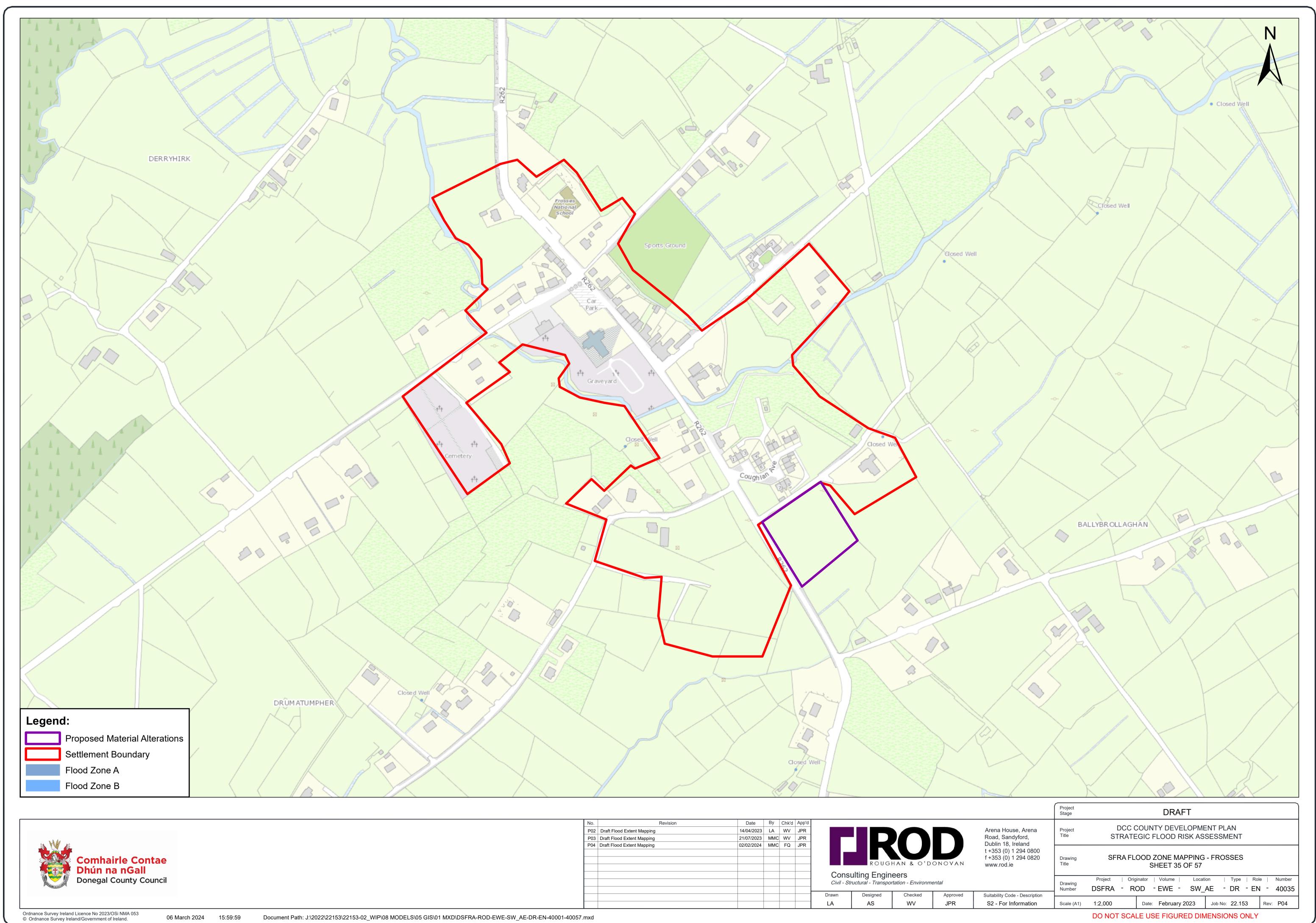


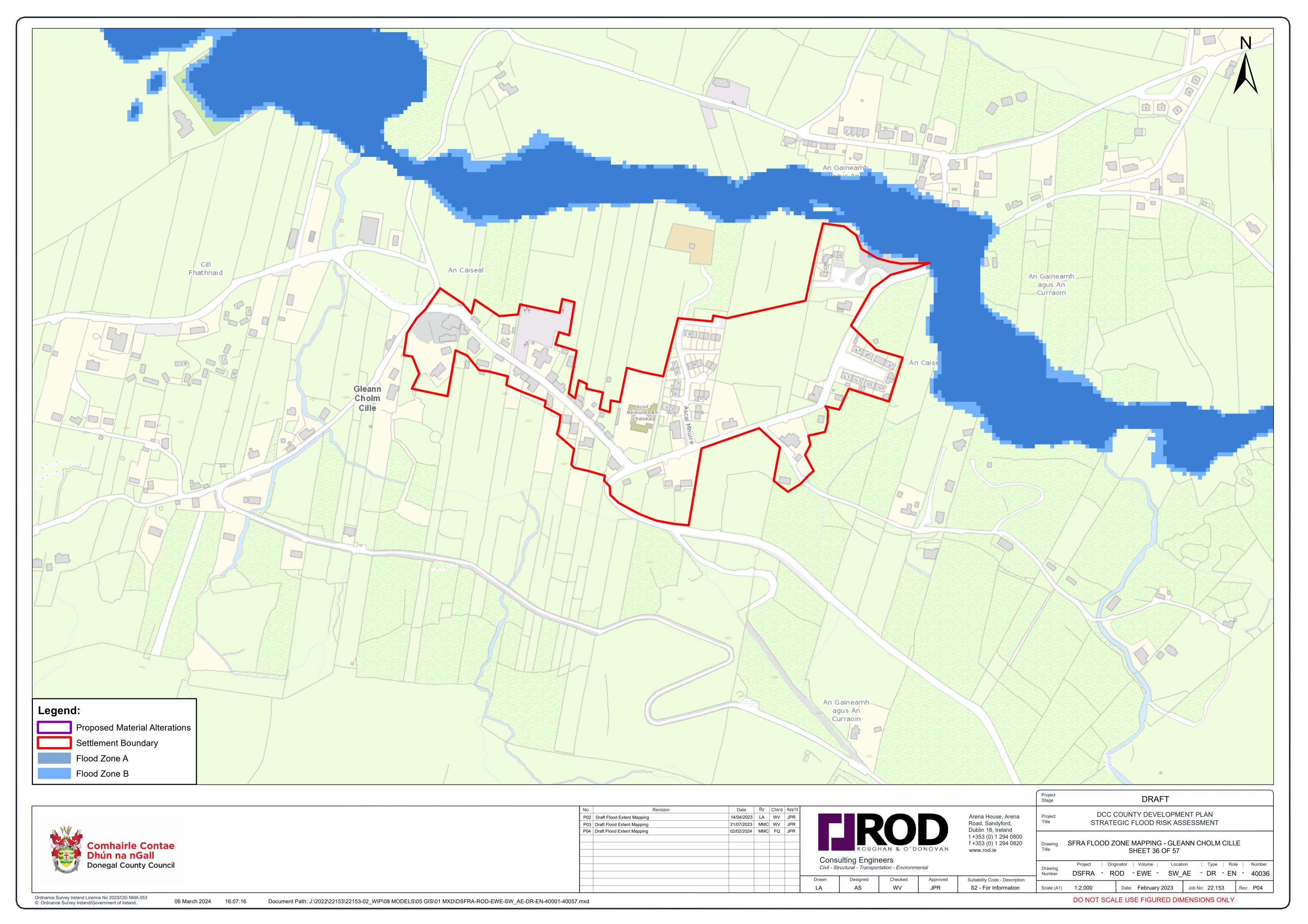
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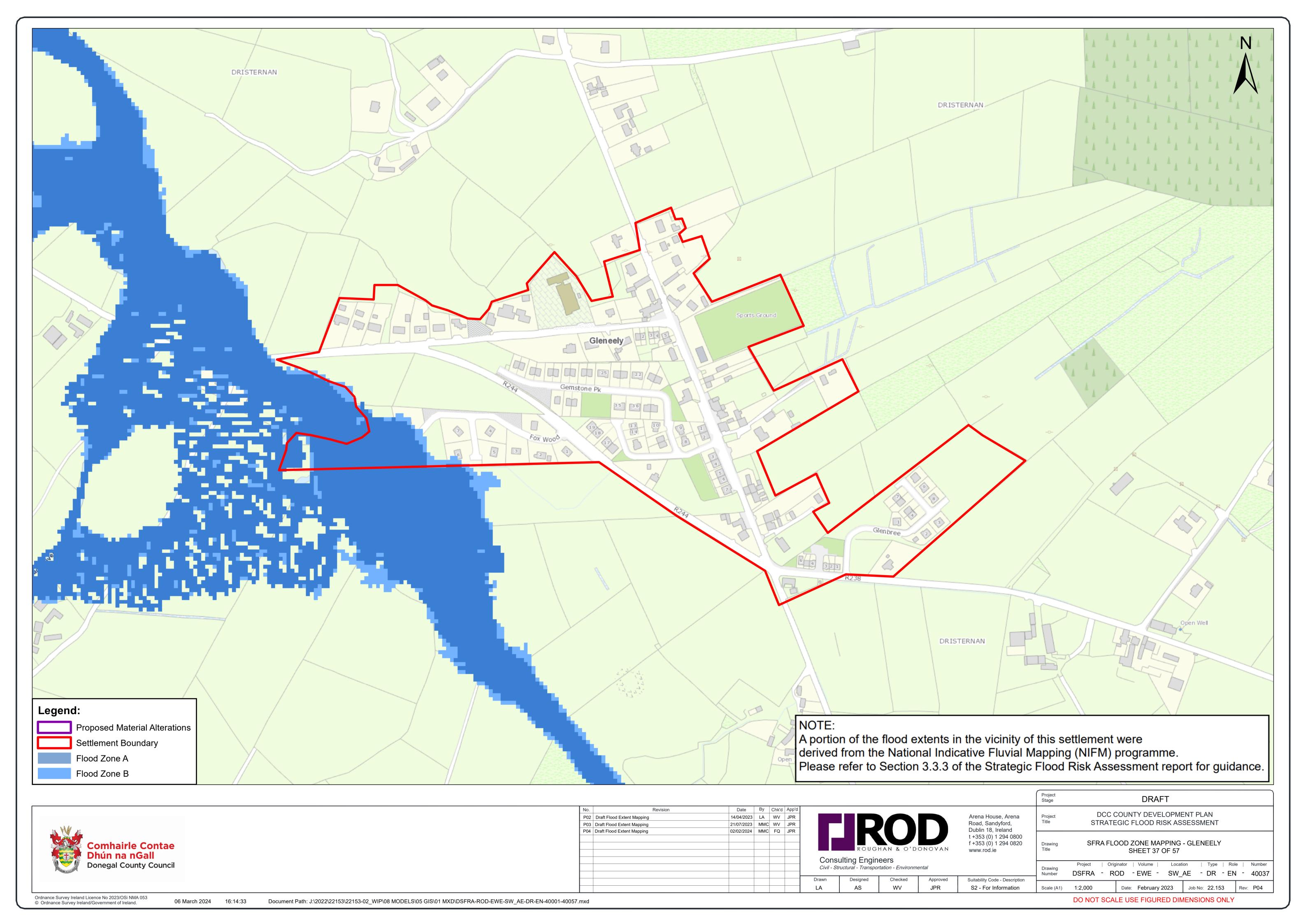


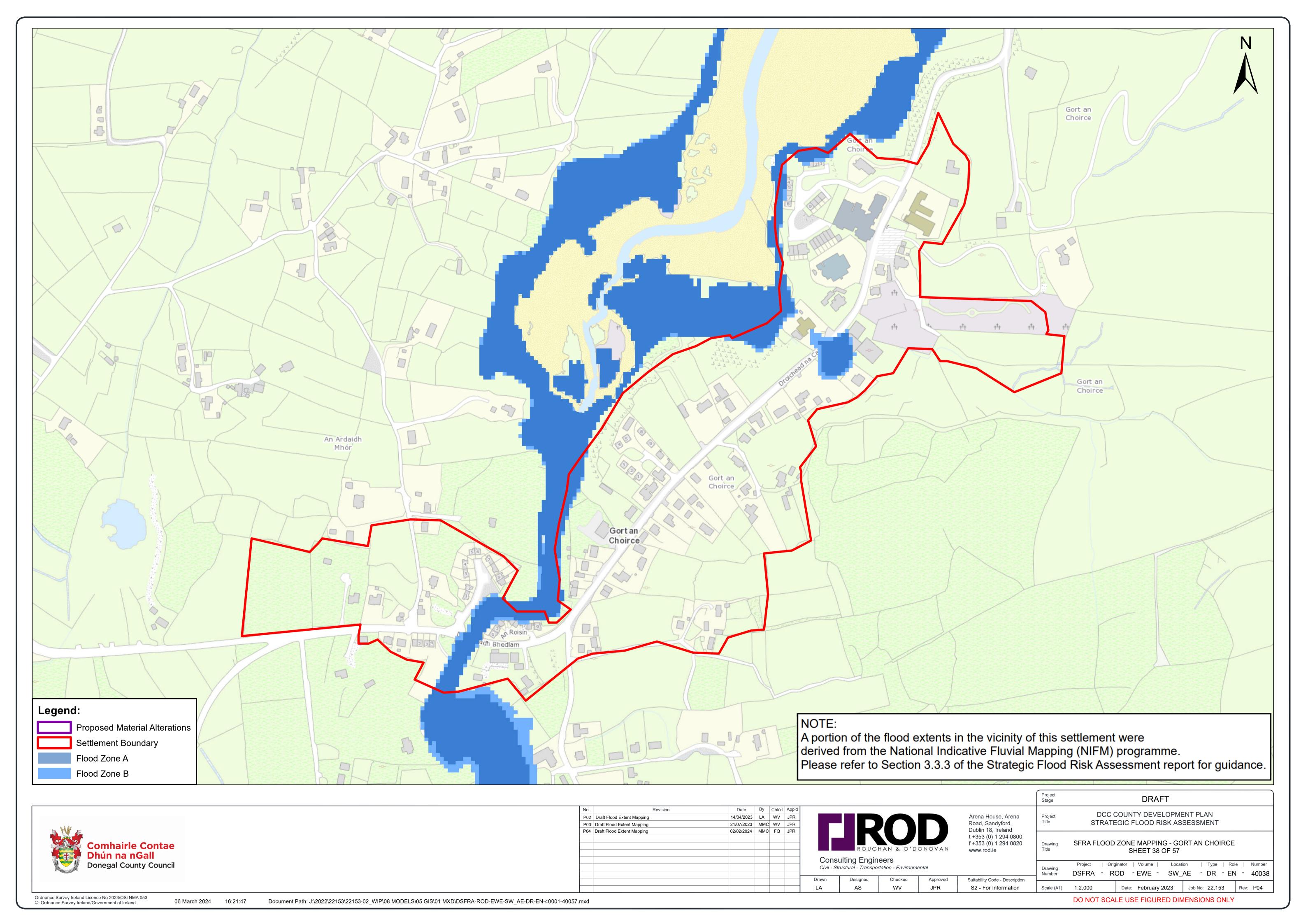


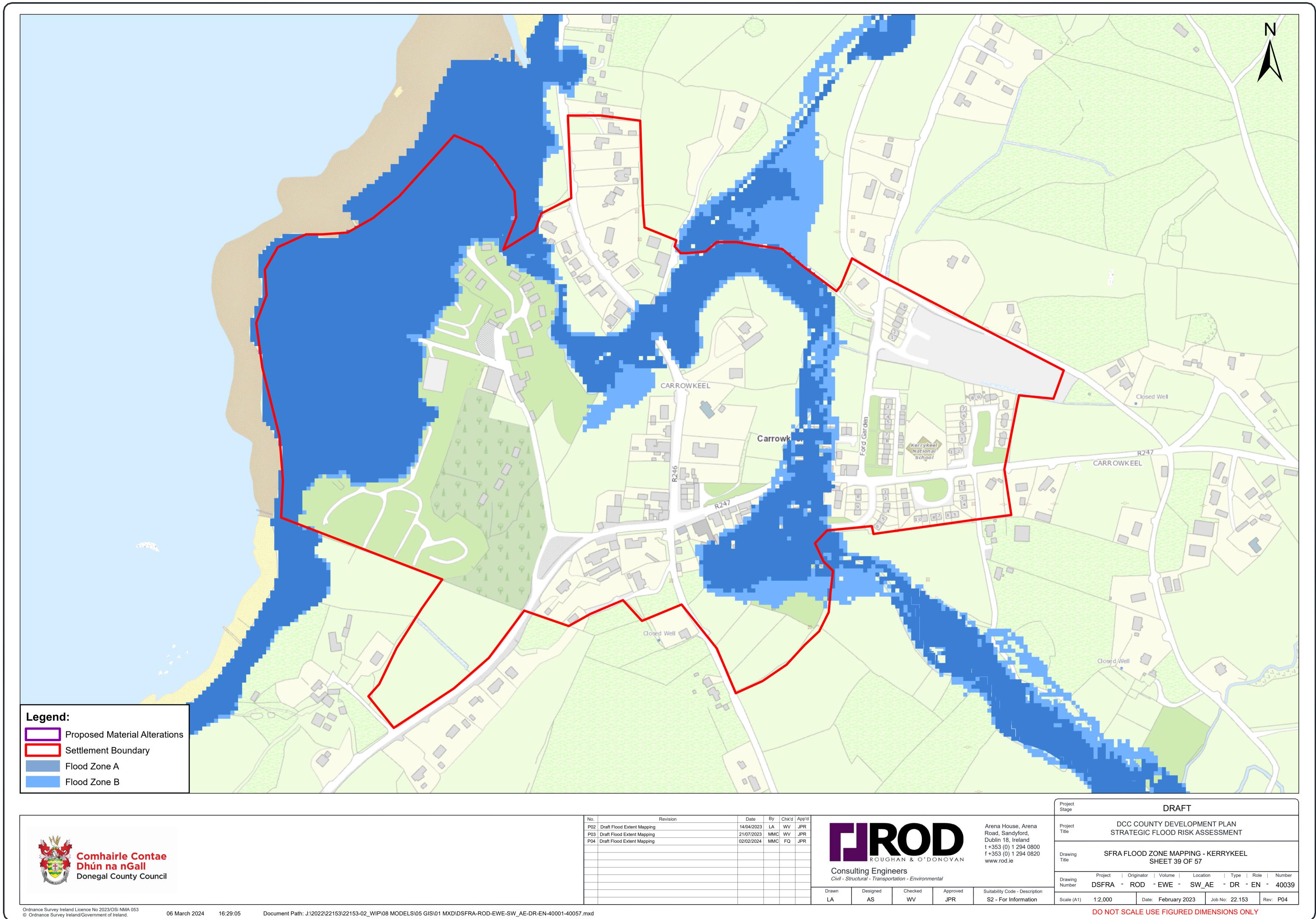


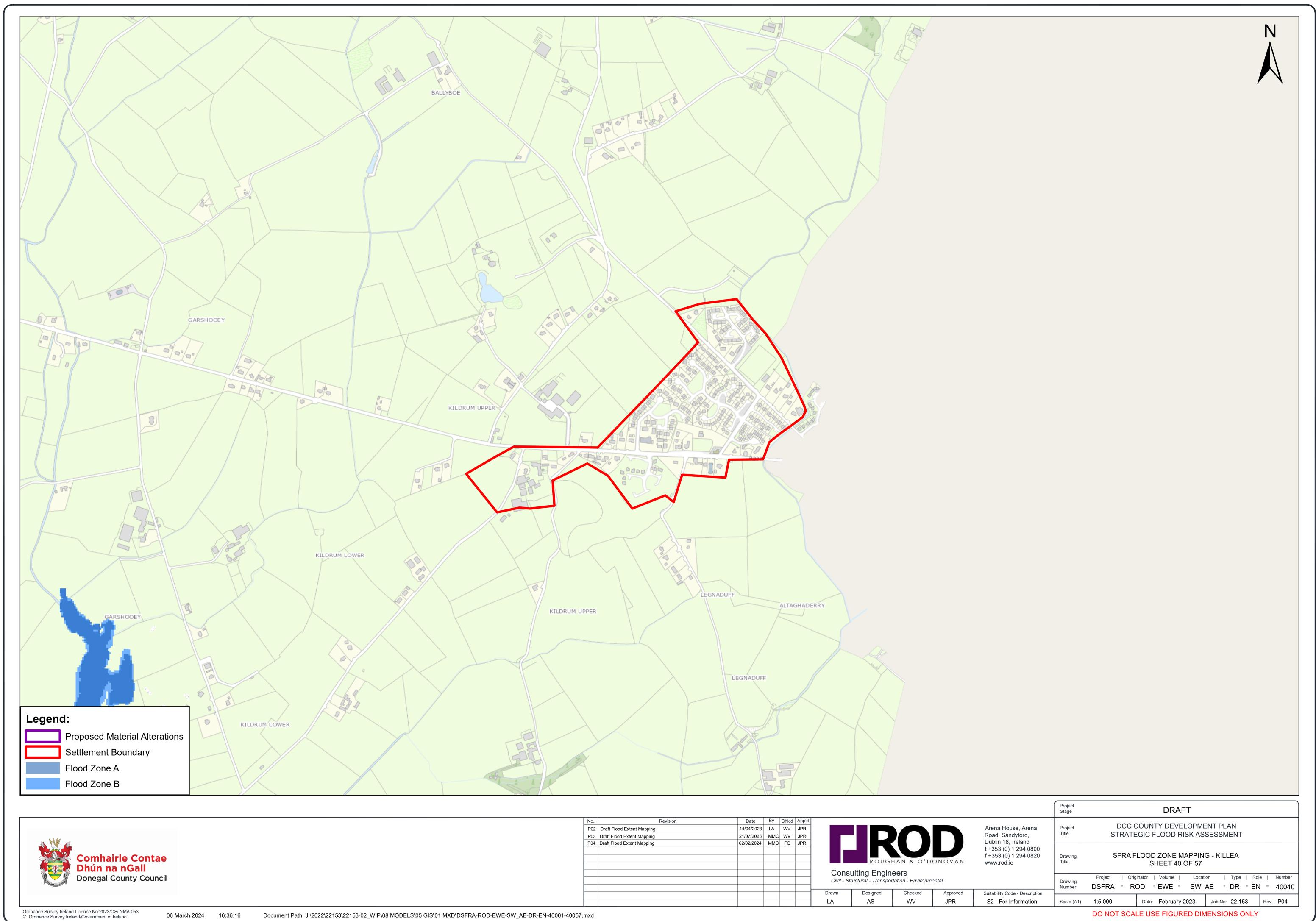


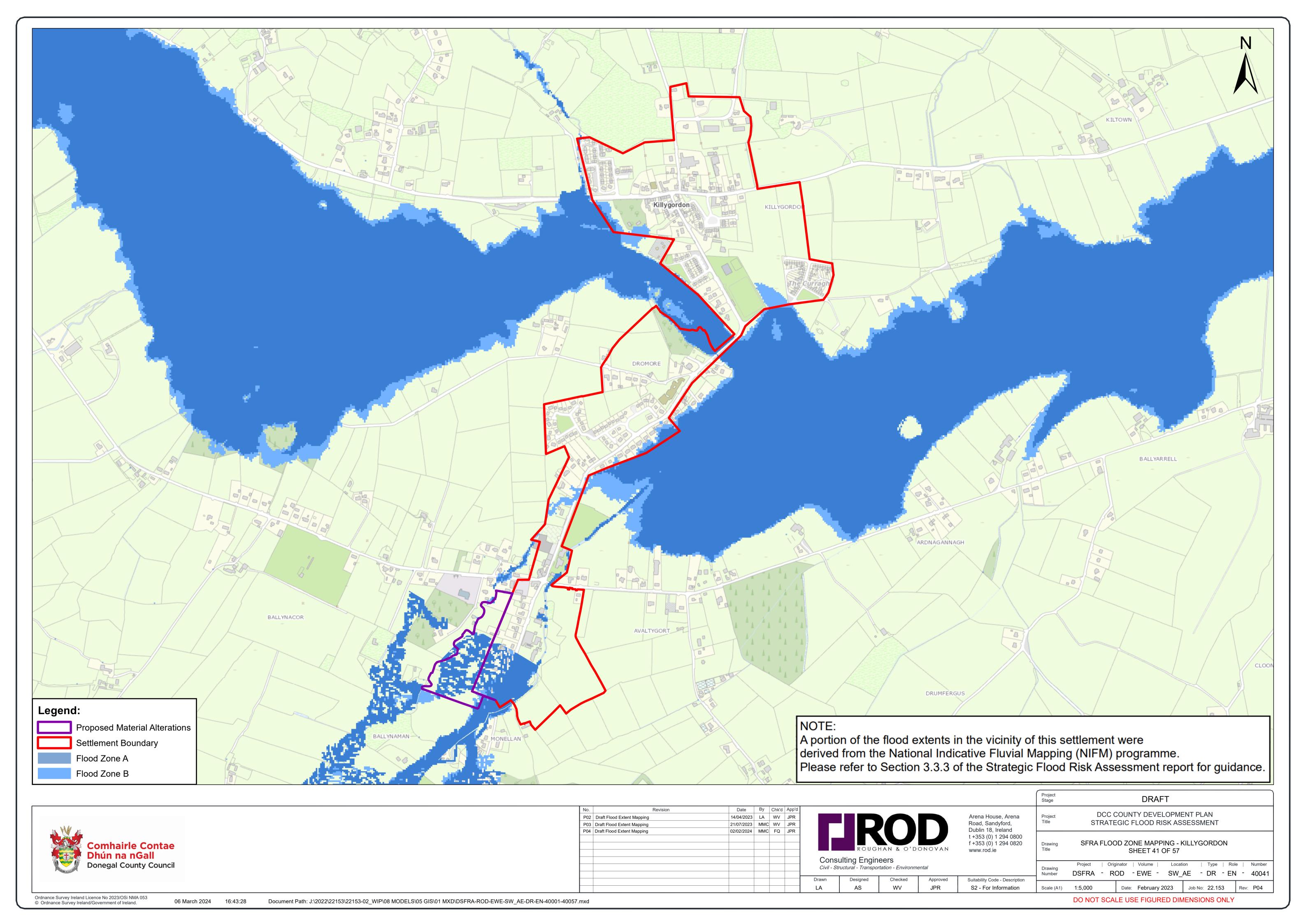


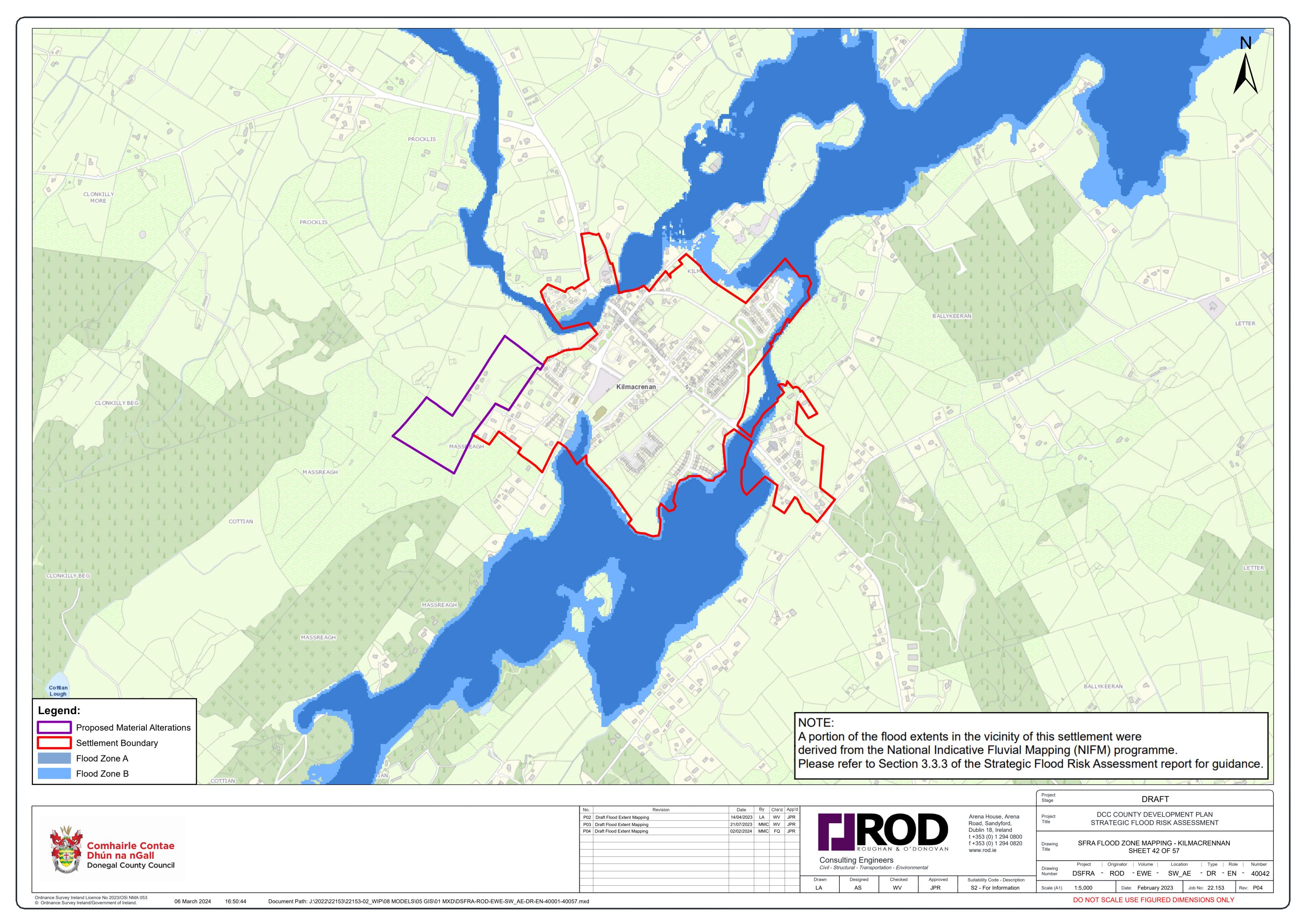


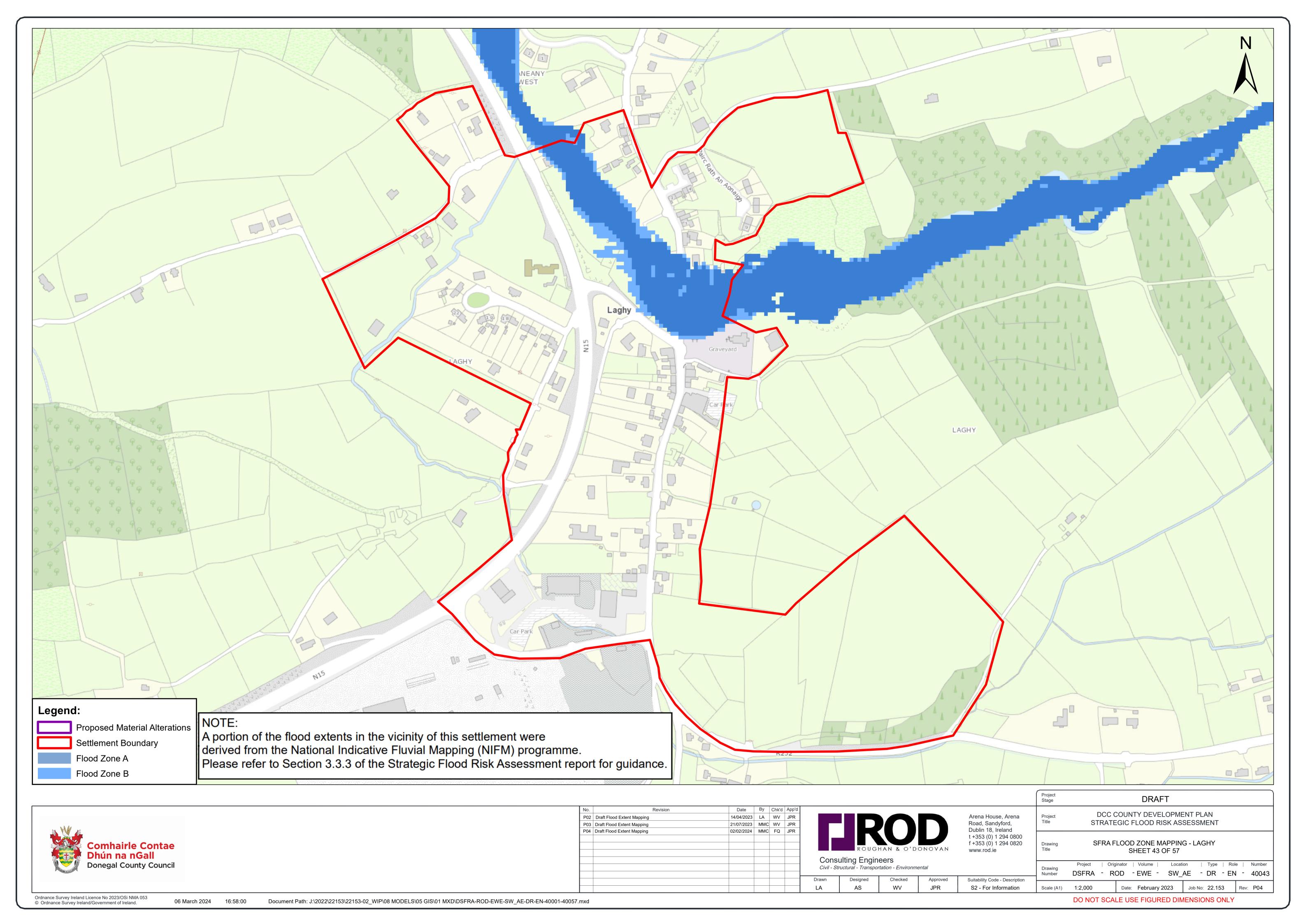


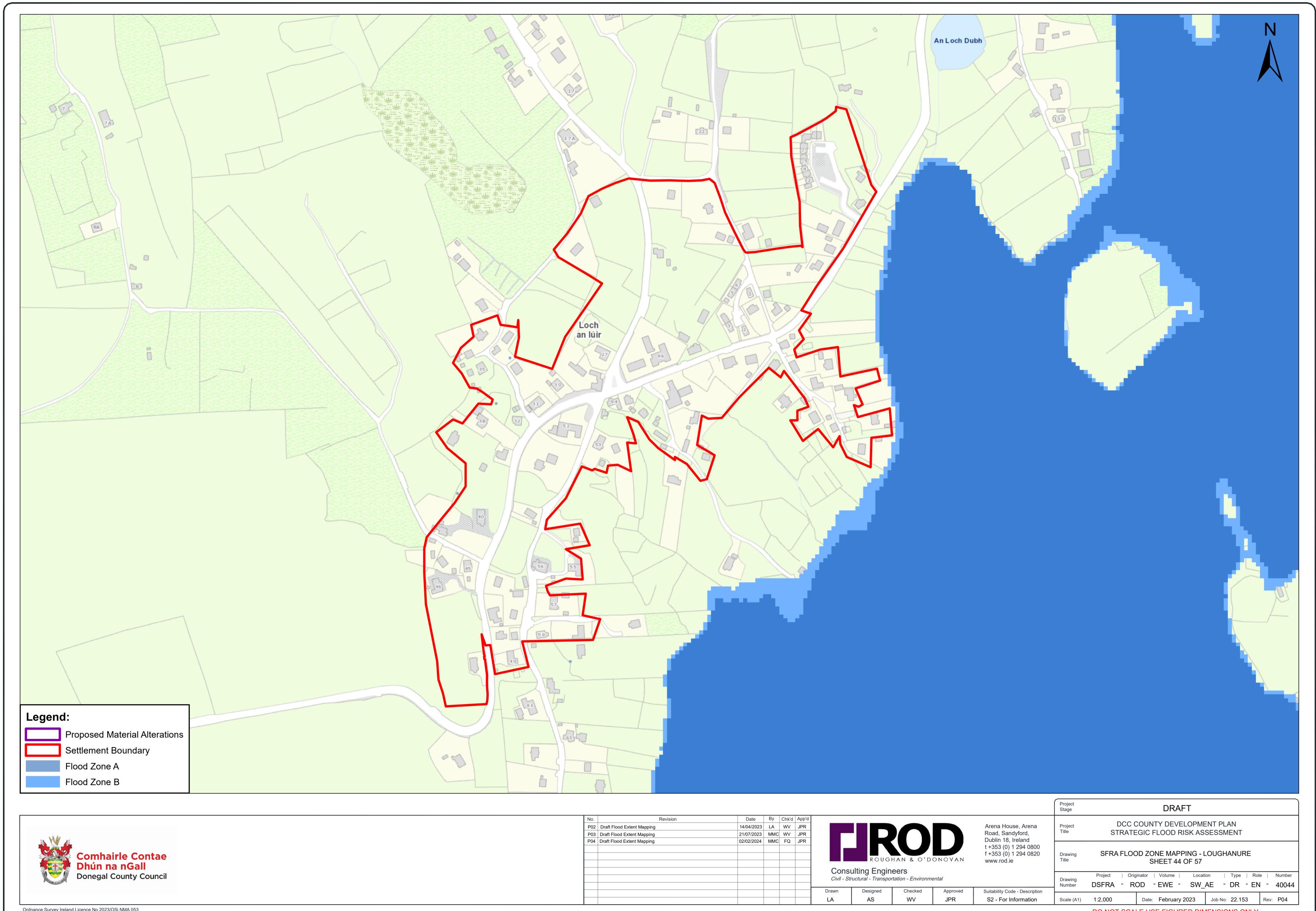


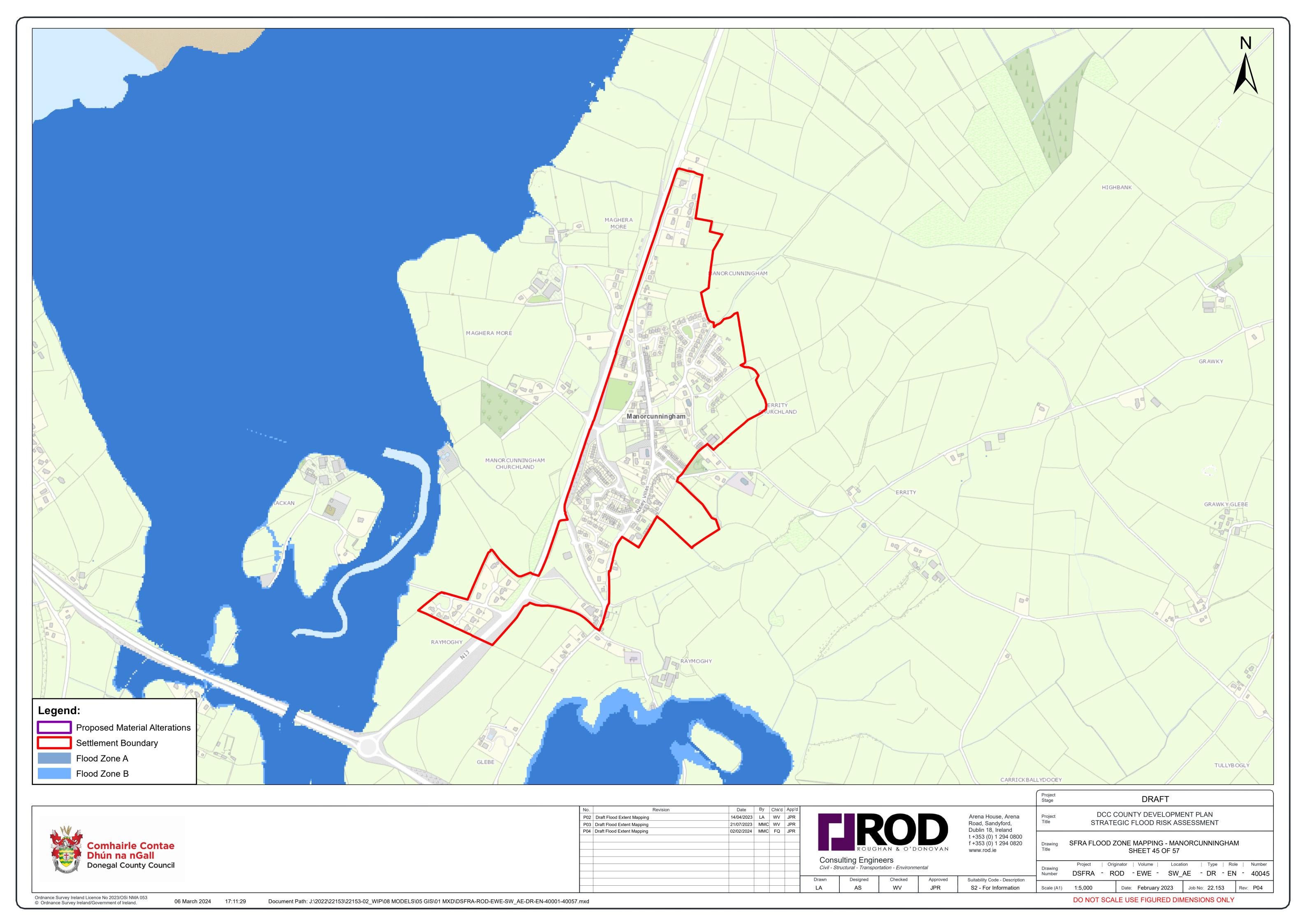


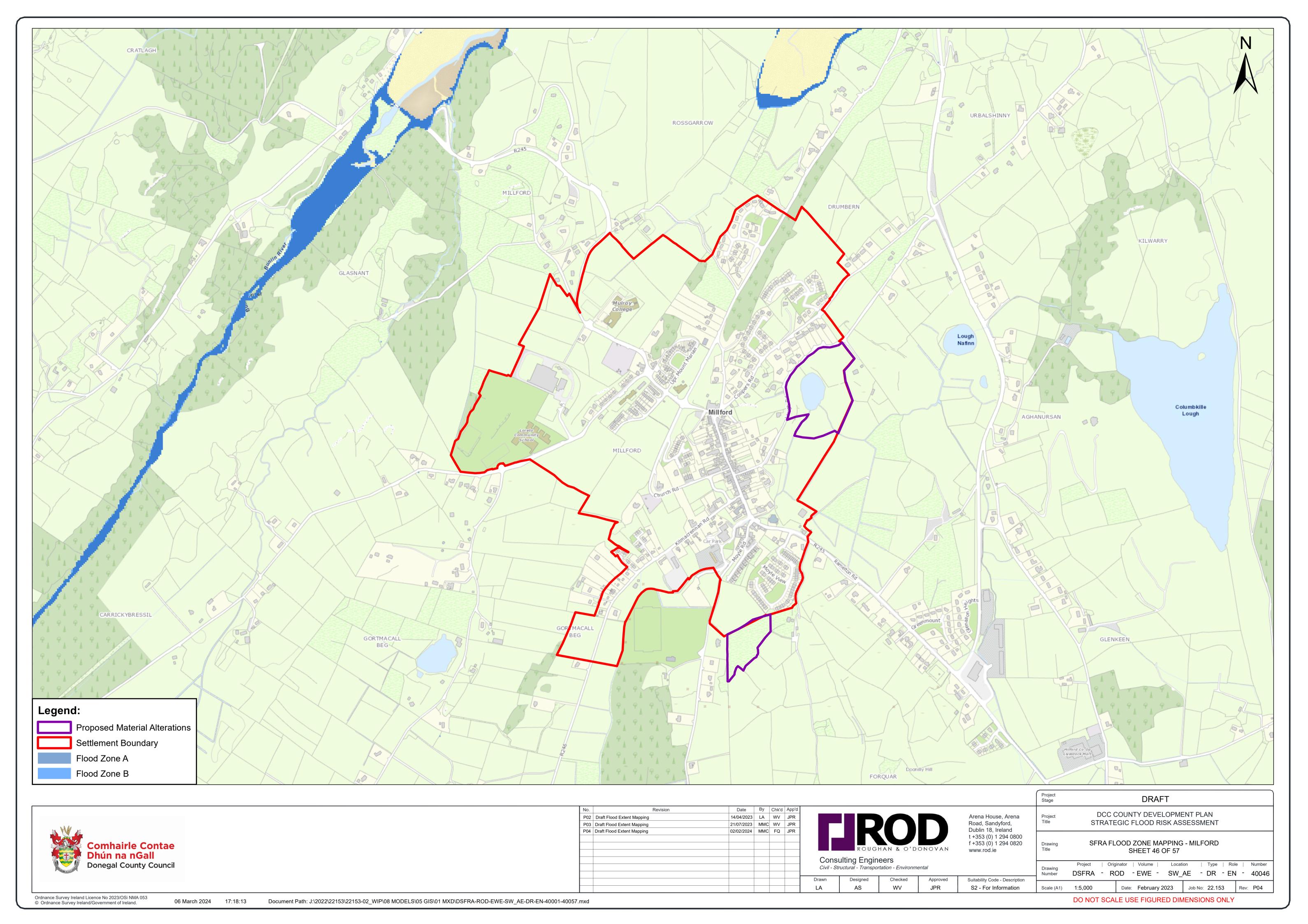


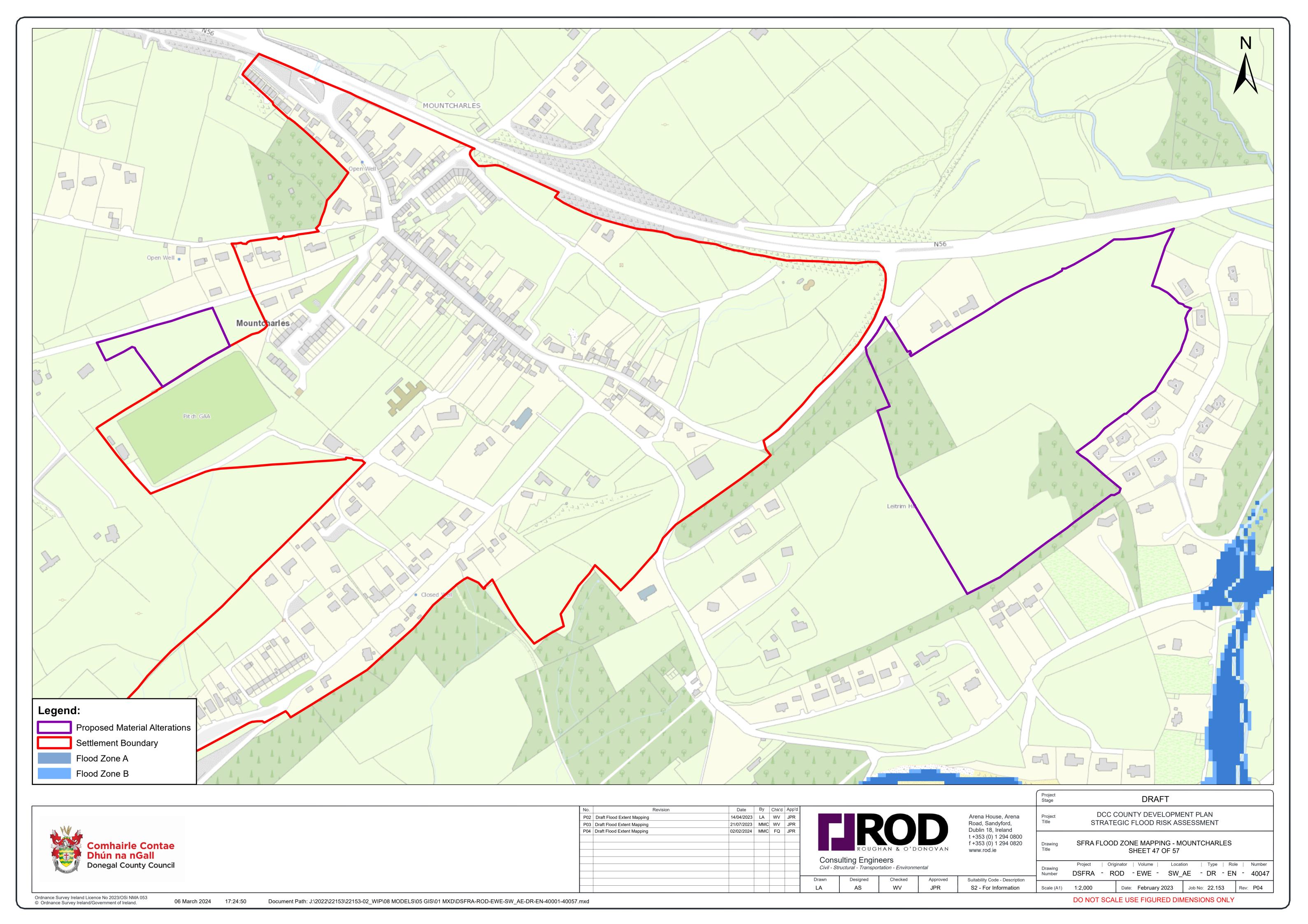


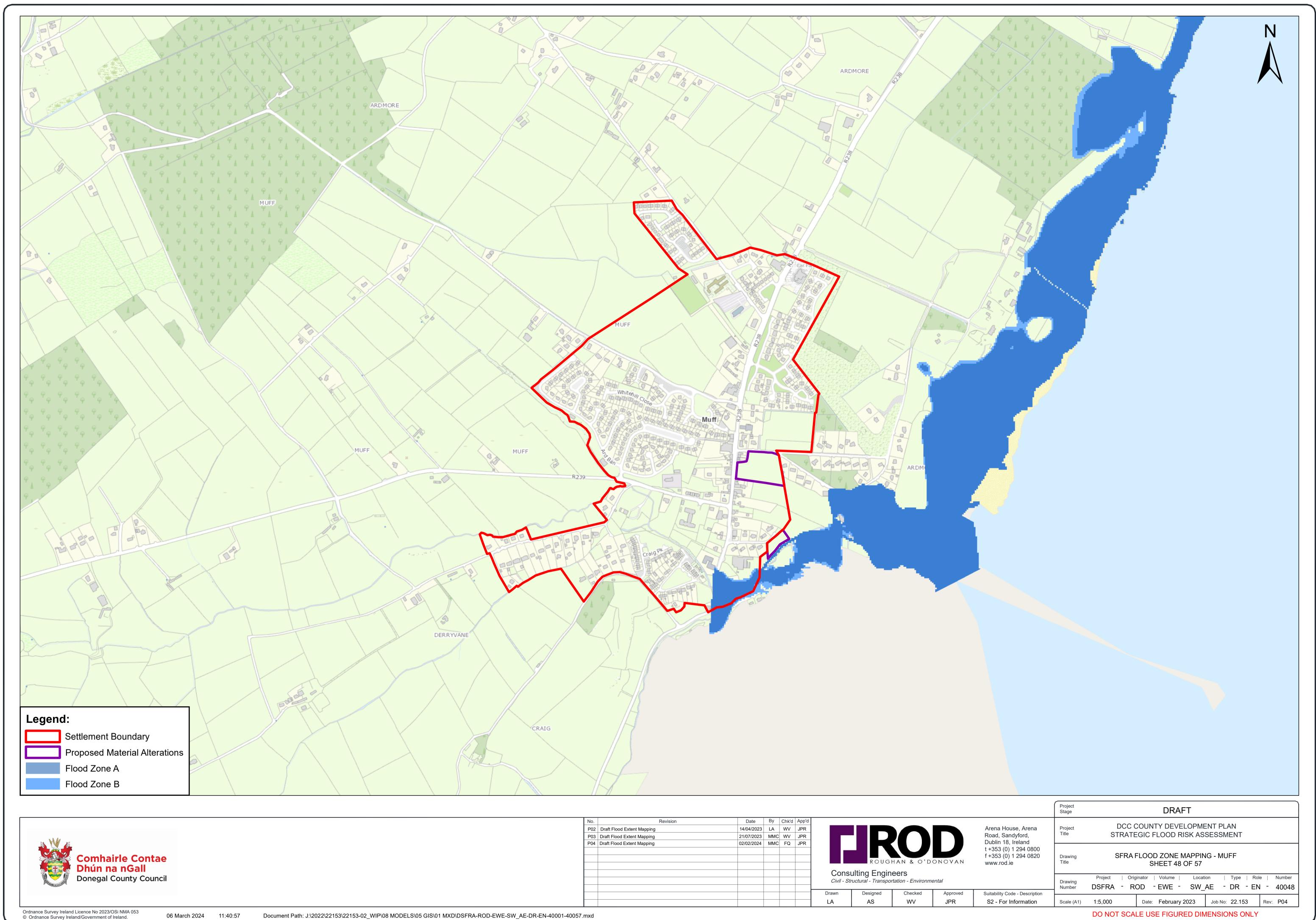


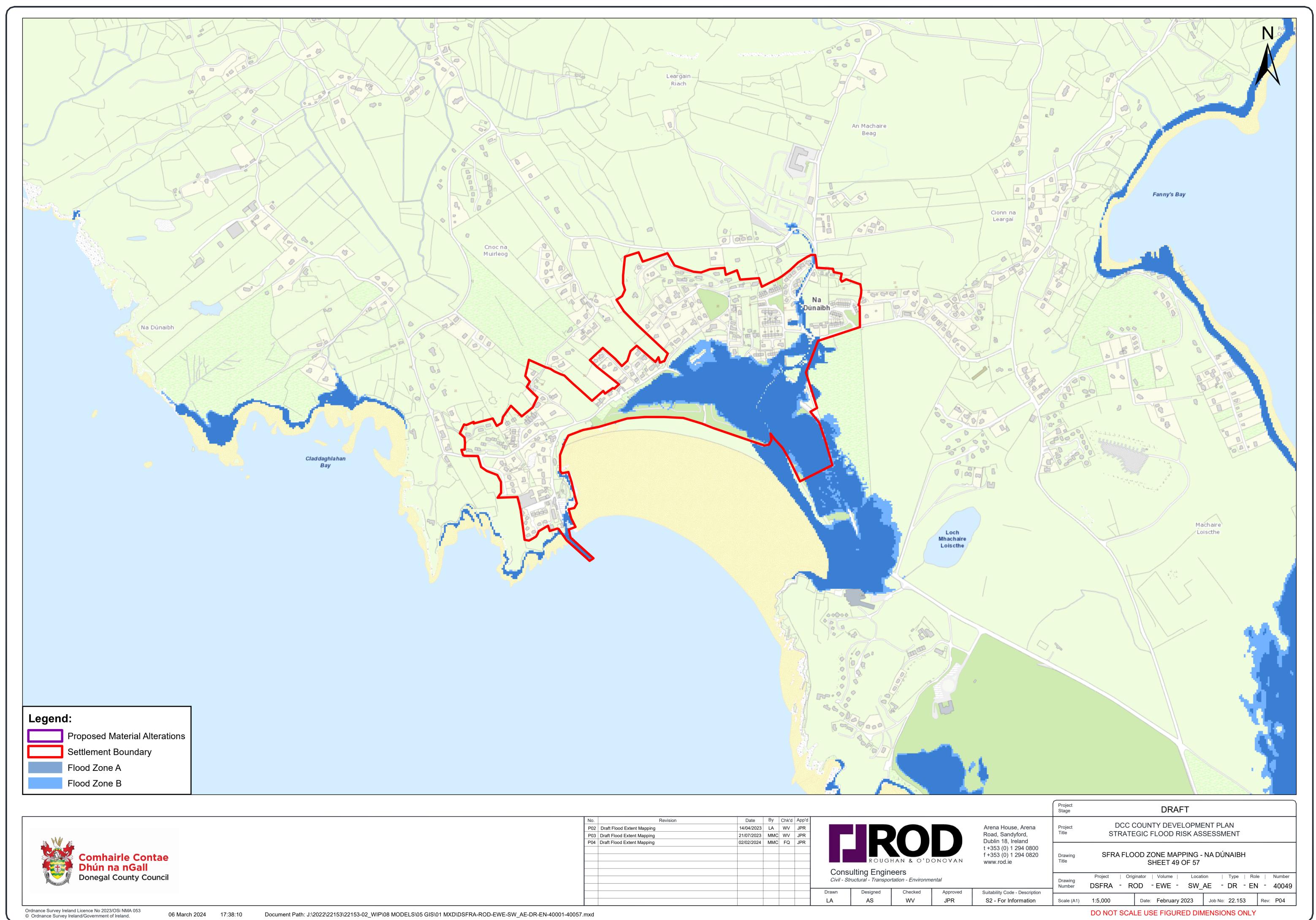


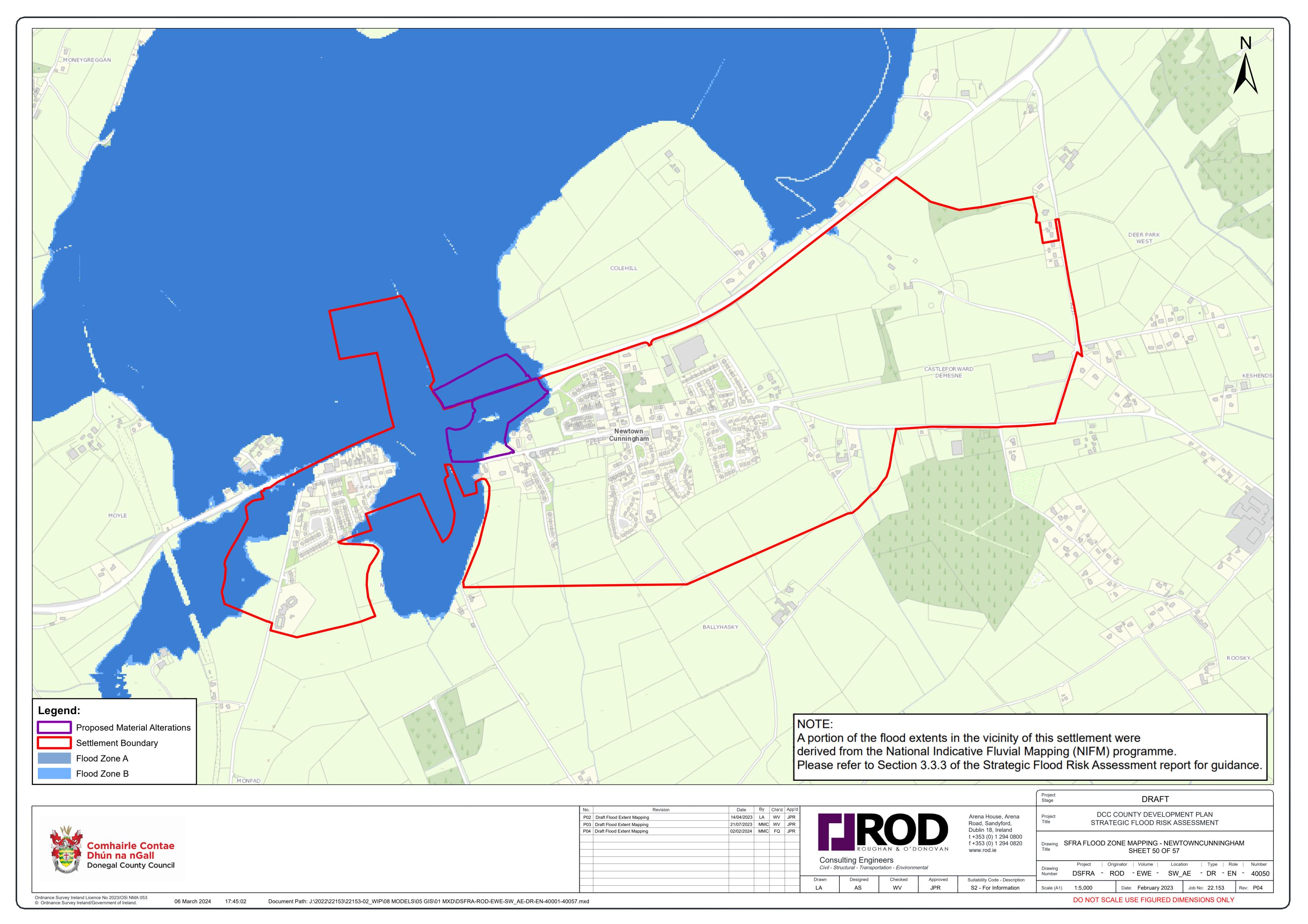


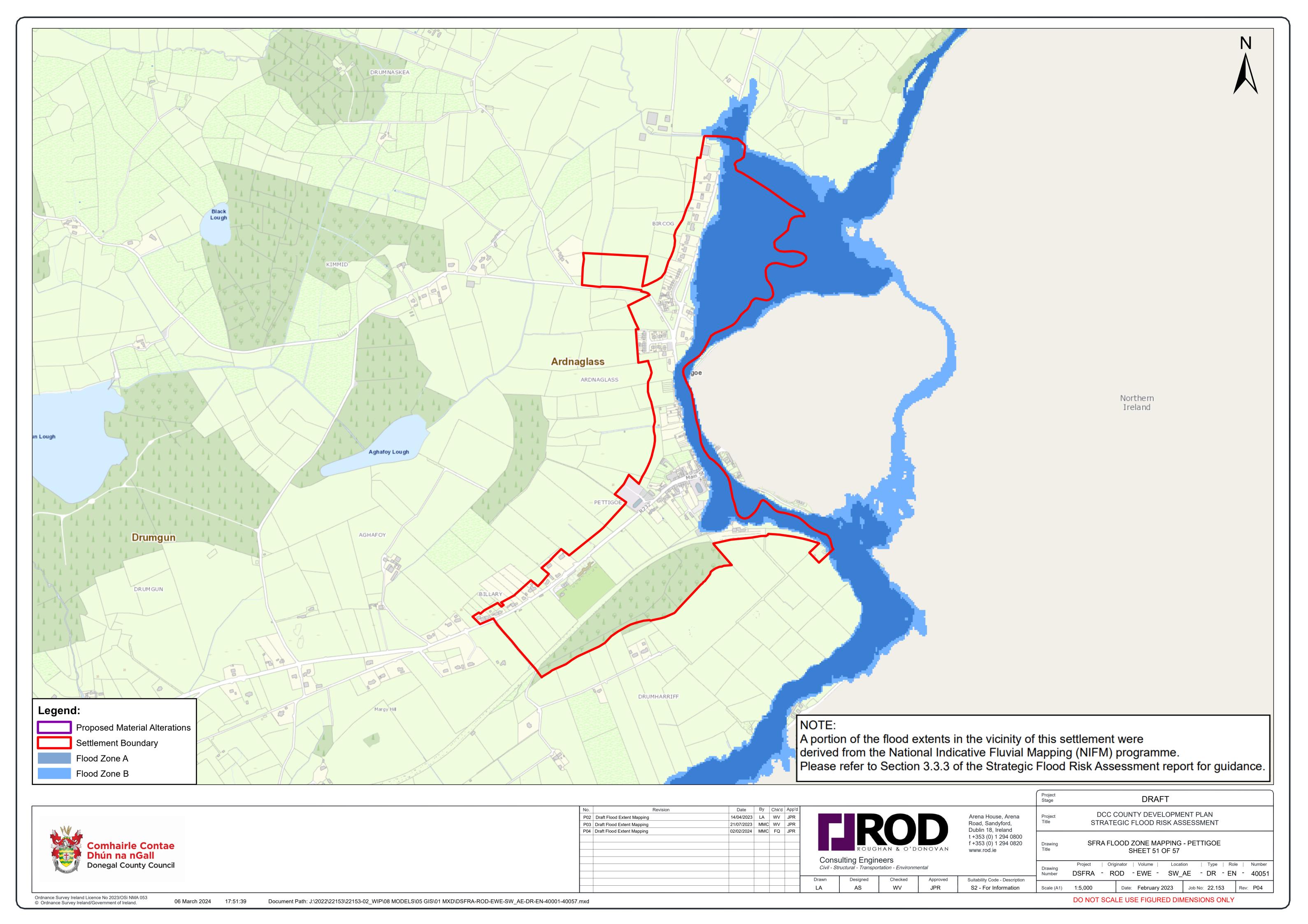


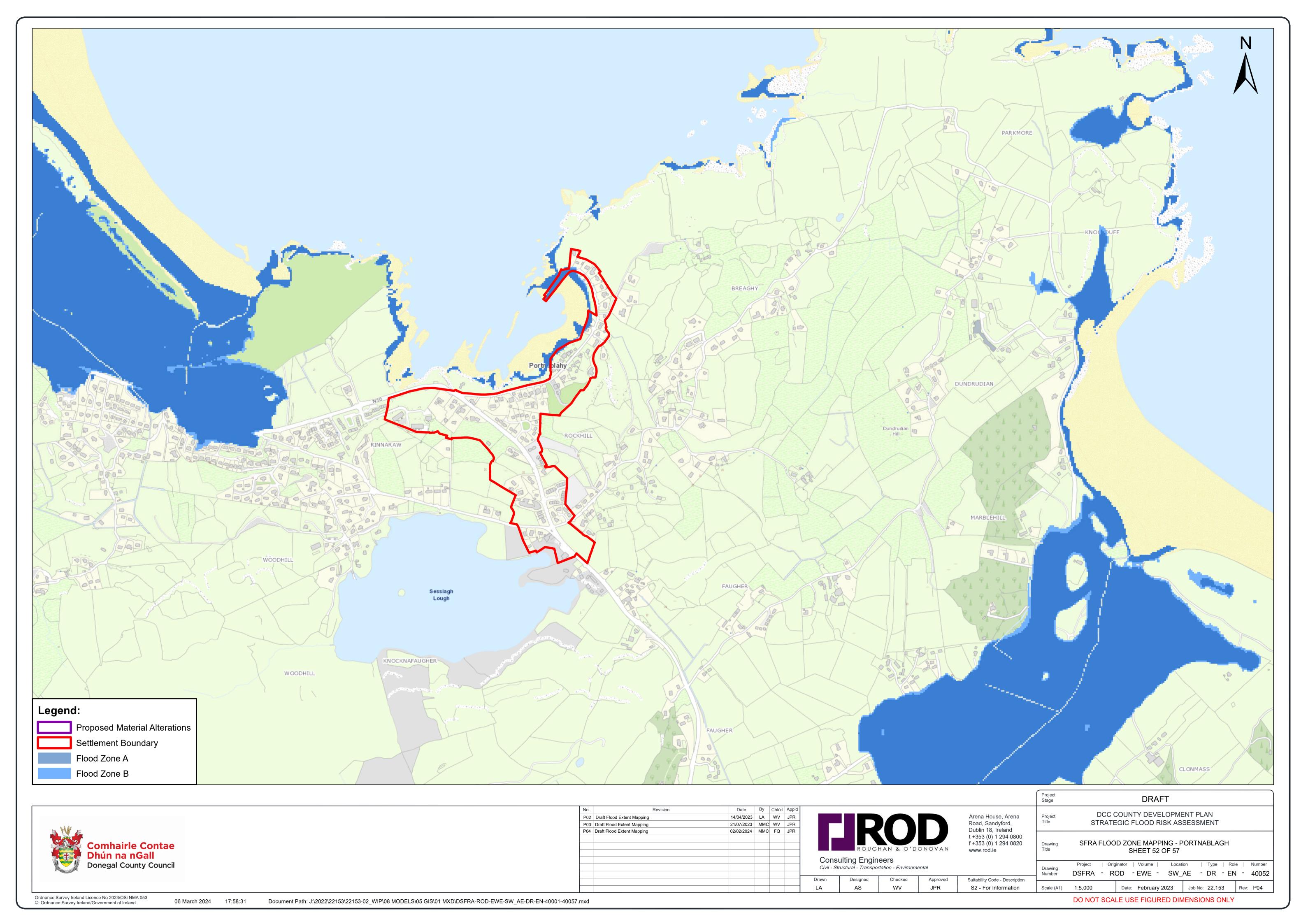


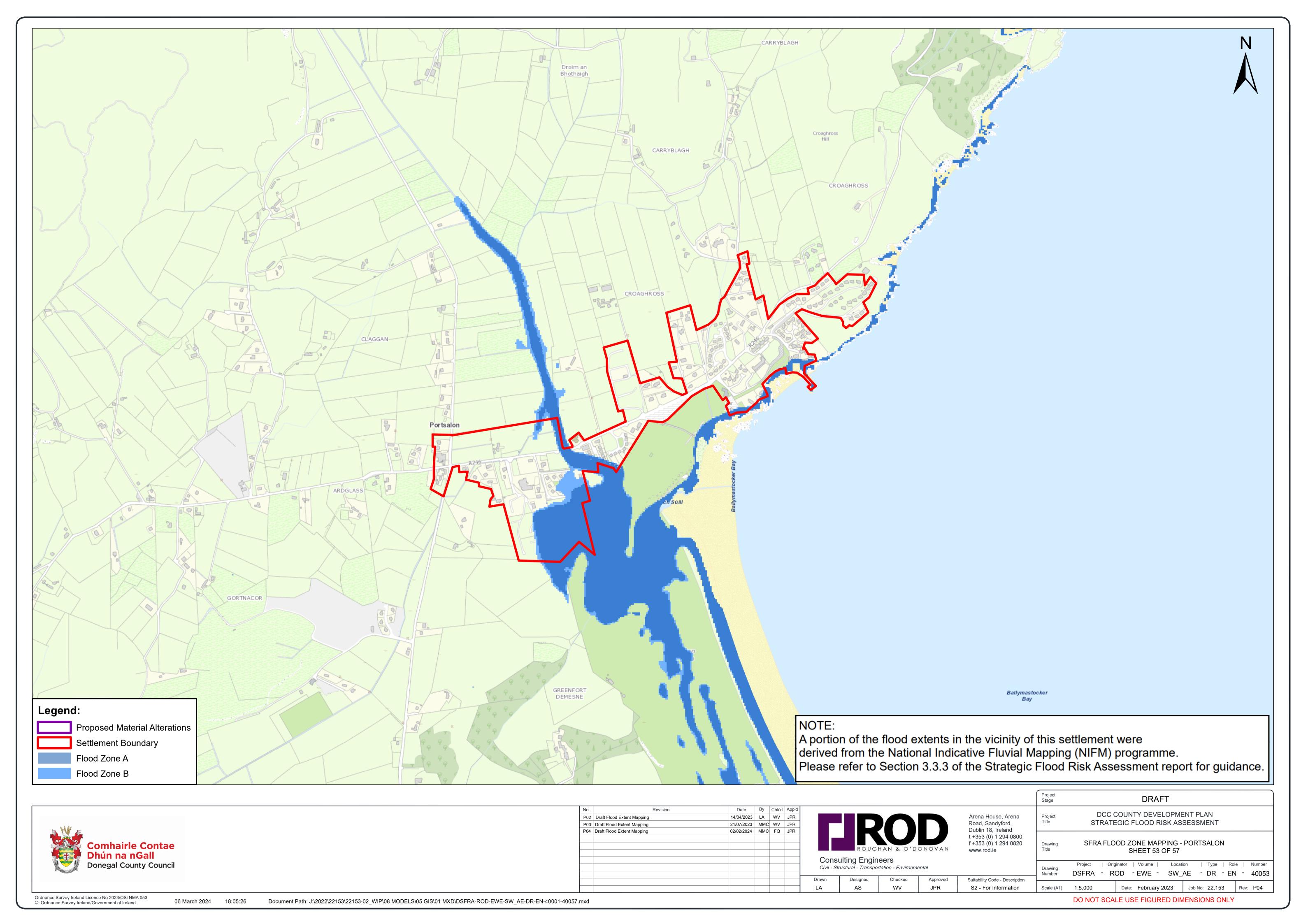


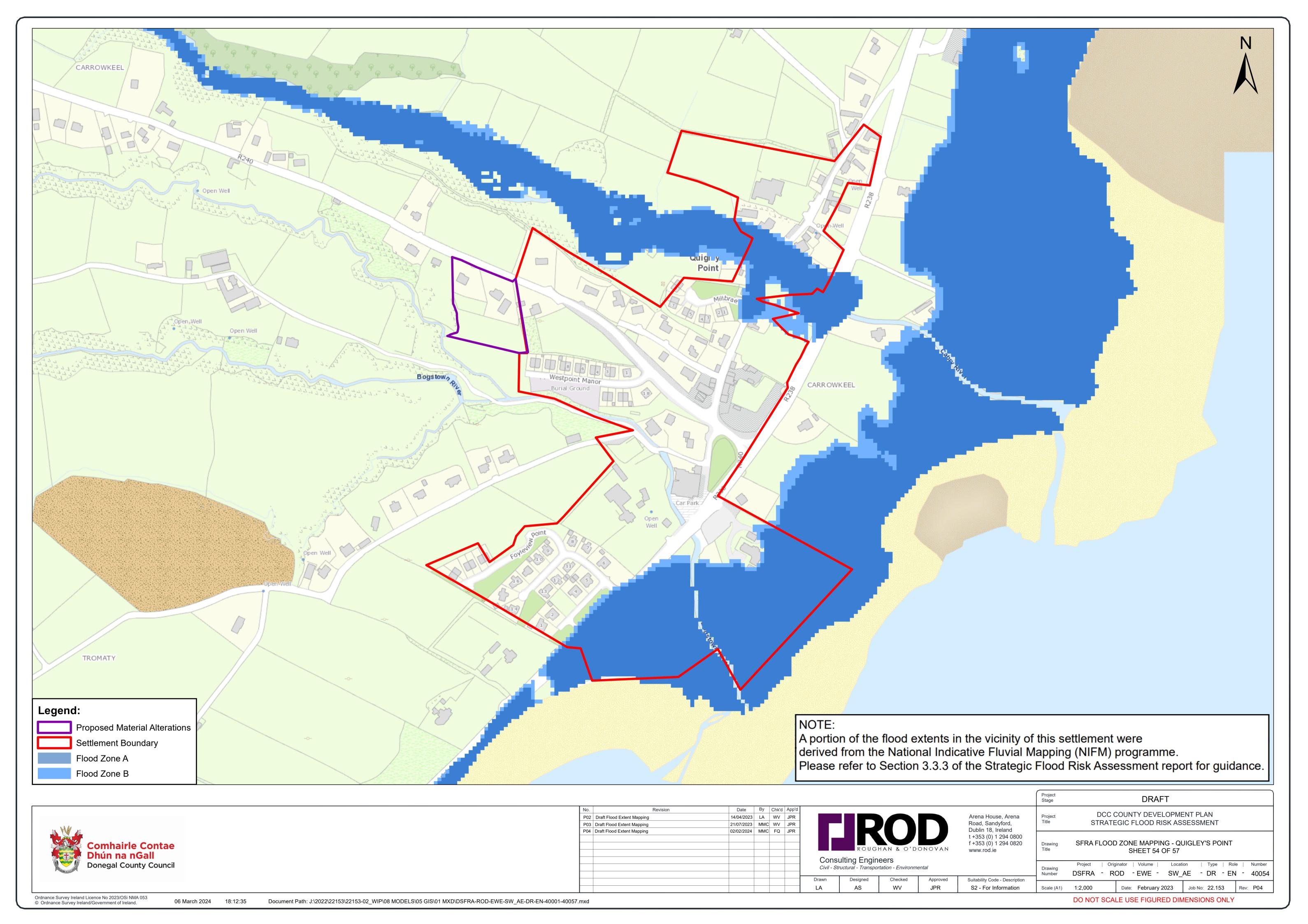




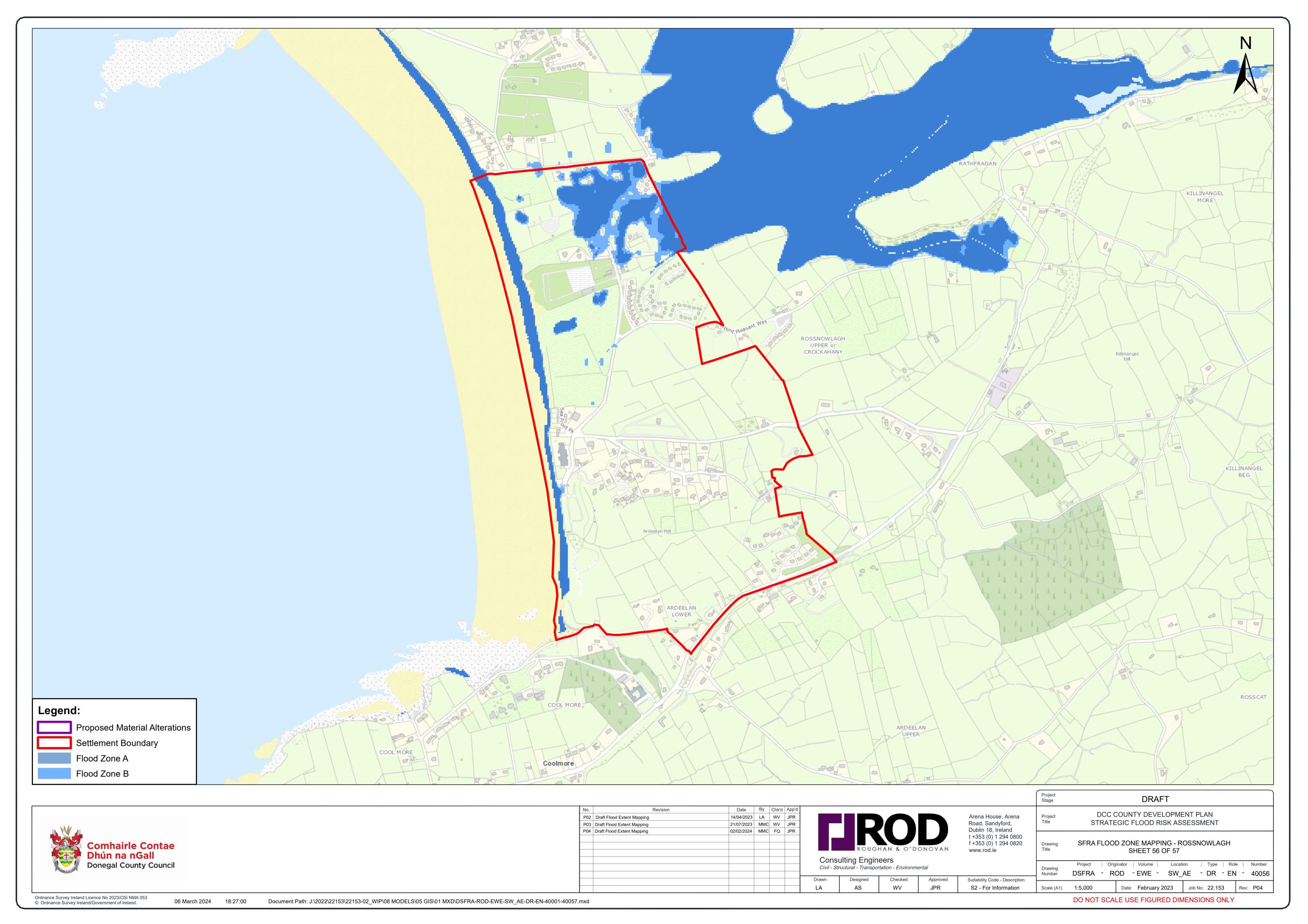


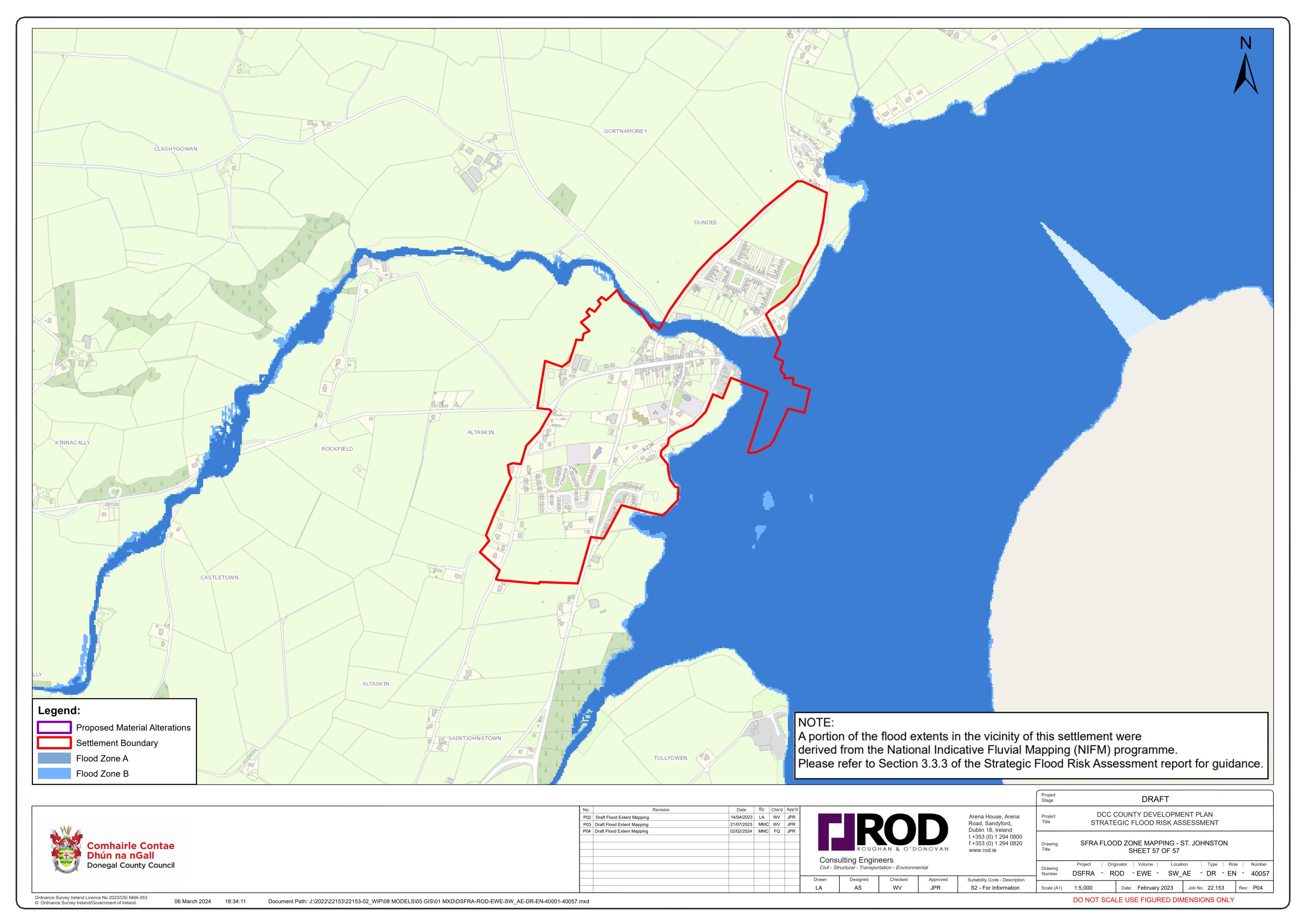












APPENDIX B JUSTIFICATION TESTS

Cittlerion response 1A Cittlerion response 3B Select to Cittlerion response 3B	Additional Comments
Stramorian Christion Inspires 1A Stramorian Christion Sports 3B Section	
Chesion response 1A Refer to Chiterion response 3B Refer to Chiefinon response 3B Public Publi	oding emanating from the River (Burn) Daurnett affects a the site in the 1 in 100 fluvial or 1 in 200 year coastal refore, the lands are within Flood Zone A. Sources indicate that flooding is limited to the periphery of the bood risk can be appropriately managed.
Criterion response 1A	ors of coastal or fluvial flood risk have been identified. ment / zoning is therefore within Flood Zone C.
BS-ED-001 Refer to	oding emanating from the Kilross River and the River egal] affects a portion of the site in the 1 in 1000 year refore, the lands are within Flood Zone B. losed land use is generally inappropriate in areas at to flooding as per the OPW Guidelines. There are no land parcels within the settlement that can provide the land use with lesser inherent flood risk and specific to be applied for these sites as to ensure safe and the development within these communities. Insure that any development proposal on the Community the Zoning adjoining Robertson National School be sited by a detailed site-specific flood risk assessment, does for water compatible ancillary educational the there is an adventure (e.g. outdoor sports and recreational facilities) and otherwise exacerbate flood risk on the site or elsewhere."
RS-ED-003 Refer to Criterion Crite	and is justified as per the OPW Guidelines. ors of coastal or fluvial flood risk have been identified. ment / zoning is therefore within Flood Zone C.
International Property International Prope	ors of coastal or fluvial flood risk have been identified.
Criterion response 1A	ment / zoning is therefore within Flood Zone C.
Criterion response 1A Part of the province of	oding emanating from the River (Burn) Daurnett affects a the site in the 1 in 100 fluvial or 1 in 200 year coastal refore, the lands are within Flood Zone A.
BS-ED-006 Refer to Criterion response 1A Refer to Refer to Criterion Response 1A Refer to	oding emanating from the River (Burn) Daurnett affects a the site in the 1 in 100 fluvial or 1 in 200 year coastal refore, the lands are within Flood Zone A.
BS-ED-007 Refer to Criterion Crite	oding emanating from the River (Burn) Daurnett affects a the site in the 1 in 100 fluvial or 1 in 200 year coastal refore, the lands are within Flood Zone A.
BS-ED-008 Refer to Criterion response 1A	oding emanating from the River (Burn) Daurnett affects a the site in the 1 in 100 fluvial or 1 in 200 year coastal
BS-ED-019 Refer to Criterion response 3A	refore, the lands are within Flood Zone A. oding emanating from the River Finn [Donegal] affects a the site in the 1 in 100 fluvial or 1 in 200 year coastal
BS-ED-010 Refer to Criterion Crite	refore, the lands are within Flood Zone A. ors of coastal or fluvial flood risk have been identified. ment / zoning is therefore within Flood Zone C.
BS-ED-011 Refer to Criterion Fluvial floor Fluvial flo	oding emanating from the River (Burn) Daurnett affects a the site in the 1 in 100 fluvial or 1 in 200 year coastal
BS-ED-012 Refer to Criterion response 1A BS-ED-013 Refer to Criterion response 1A BS-ED-014 Refer to Criterion response 1A BS-ED-015 Refer to Criterion response 1A BS-ED-016 Refer to Criterion response 1A BS-ED-017 Refer to Criterion response 1A BS-ED-018 Refer to Criterion response 1A BS-ED-019 Refer to Criterion response 1A BS-ED-019 Refer to Criterion response 1A BS-ED-019 Refer to Criterion response 1A BS-ED-010 Refer to Criterion response 1A BS-ED-011 Refer to Criterion response 1A BS-ED-012 Refer to Criterion response 3A BS-ED-013 Refer to Criterion response 3A BS-ED-014 Refer to Criterion response 3A BS-ED-015 Refer to Criterion response 3A BS-ED-016 Refer to Criterion response 3B BS-ED-017 Refer to Criterion response 3B BS-ED-018 Refer to Criterion response 3B BS-ED-019 Refer to Criterion response 3A BS-ED-019 Refer to Criterion response 3B BS-ED-010 Refer to Criterion R	refore, the lands are within Flood Zone A. oding emanating from the River (Burn) Daurnett affects a the site in the 1 in 1000 year event, therefore, the lands
BS-ED-013 Refer to Criterion Criteri	Flood Zone B. Oding emanating from the River (Burn) Daurnett affects a the site in the 1 in 100 fluvial or 1 in 200 year coastal
BS-ED-014 Refer to Criterion response 1A BS-ED-015 Refer to Criterion response 1A BS-ED-016 Refer to Criterion response 1A BS-ED-017 Refer to Criterion response 1A BS-ED-017 Refer to Criterion response 1A BS-ED-018 Refer to Criterion response 1A BS-ED-019 Refer to Criterion response 1A BS-ED-019 Refer to Criterion response 1A BS-ED-019 Refer to Criterion response 1A BS-ED-020 Refer to Criterion response 1A BS-ED-021 Refer to Criterion response 1A BS-ED-021 Refer to Criterion response 1A BS-ED-021 Refer to Criterion response 3B BS-ED-021 Refer to Criterion r	refore, the lands are within Flood Zone A. oding emanating from the River Goland affects a portion in the 1 in 100 fluvial or 1 in 200 year coastal event,
BS-ED-015 Refer to Criterion response 1A BS-ED-016 Refer to Criterion response 1A BS-ED-017 Refer to Criterion response 1A BS-ED-017 Refer to Criterion response 1A BS-ED-018 Refer to Criterion response 1A BS-ED-019 Refer to Criterion response 1A BS-ED-019 Refer to Criterion response 1A BS-ED-020 Refer to Criterion response 1A BS-ED-021 Refer to Criterion response 1A BS-ED-021 Refer to Criterion response 3B Refer to Criterion respons	the lands are within Flood Zone A. ors of coastal or fluvial flood risk have been identified. ment / zoning is therefore within Flood Zone C.
BS-ED-016 Refer to Criterion response 1A BS-ED-017 Refer to Criterion response 1A BS-ED-018 Refer to Criterion response 1A BS-ED-019 Refer to Criterion response 1A BS-ED-019 Refer to Criterion response 1A BS-ED-020 Refer to Criterion response 1A BS-ED-021 Refer to Criterion Refer to Criterion response 1A BS-ED-021 Refer to Criterion Refer to Criterion Refer to Criterion Refer to Criterion Response 3B Refer to Criterion The settler Refer The Criterion T	ors of coastal or fluvial flood risk have been identified. ment / zoning is therefore within Flood Zone C.
BS-ED-017 Refer to Criterion response 1A BS-ED-018 Refer to Criterion response 1A BS-ED-019 Refer to Criterion response 1A BS-ED-020 Refer to Criterion response 1A BS-ED-021 Refer to Criterion Refer to Criterion response 1A BS-ED-021 Refer to Criterion response 1A BS-ED-021 Refer to Criterion The settler	oding emanating from the River (Burn) Daurnett affects a the site in the 1 in 100 fluvial or 1 in 200 year coastal
BS-ED-018 Refer to Criterion response 1A BS-ED-019 Refer to Criterion response 3A BS-ED-020 Refer to Criterion response 1A BS-ED-021 Refer to Criterion response 3B event. ther Refer to Criterion portion of tresponse 3B event. ther Refer to Criterion portion of tresponse 3B event. ther Refer to Criterion portion of tresponse 3B event. ther Refer to Criterion portion of tresponse 3B event. ther Refer to Criterion The settler	refore, the lands are within Flood Zone A. oding emanating from the River (Burn) Daurnett affects a the site in the 1 in 100 fluvial or 1 in 200 year coastal
BS-ED-019 Refer to Criterion portion of to response 1A BS-ED-020 Refer to Criterion portion of to response 1A BS-ED-021 Refer to Criterion portion of to response 1A BS-ED-021 Refer to Criterion portion of to response 3B event. there are sponse 3B event. The settlere ar	refore, the lands are within Flood Zone A. ors of coastal or fluvial flood risk have been identified. ment / zoning is therefore within Flood Zone C.
BS-ED-020 Refer to Criterion response 1A BS-ED-021 Refer to Criterion Portion of the Refer to Criterion Portion of the Refer to Criterion Refer to Criterion Criterion The settler	oding emanating from the River (Burn) Daurnett affects a the site in the 1 in 100 fluvial or 1 in 200 year coastal
BS-ED-021 Refer to Criterion V V Refer to No indicate The settler	refore, the lands are within Flood Zone A. oding emanating from the River (Burn) Daurnett affects a the site in the 1 in 100 fluvial or 1 in 200 year coastal
	refore, the lands are within Flood Zone A. ors of coastal or fluvial flood risk have been identified. ment / zoning is therefore within Flood Zone C.
BS-ED-024 Refer to V V Refer to No indicate Criterion The settler	ors of coastal or fluvial flood risk have been identified. ment / zoning is therefore within Flood Zone C.
response 1A BS-ED-025 Refer to response 3A Refer to No indicate	ors of coastal or fluvial flood risk have been identified. ment / zoning is therefore within Flood Zone C.
response 1A BS-ED-026 Refer to Criterion Refer to Criterion Portion of t	oding emanating from the River (Burn) Daurnett affects a the site in the south in the 1 in 1000 year event,
response 1A BS-ED-027 Refer to response 3B therefore, to Refer to No indicated the second s	the lands are within Flood Zone B. ors of coastal or fluvial flood risk have been identified. ment / zoning is therefore within Flood Zone C.
response 1A BS-ED-028 Refer to Criterion response 3A Refer to Fluvial floo Criterion response 3A Criterion Refer to Criterion response 3A Refer to Fluvial floo Criterion	oding emanating from the River Finn [Donegal] affects a the site in the 1 in 100 fluvial or 1 in 200 year coastal
BS-ED-029 Refer to ✓ ✓ ✓ ✓ Refer to No indicate	refore, the lands are within Flood Zone A. ors of coastal or fluvial flood risk have been identified. ment / zoning is therefore within Flood Zone C.

	1	2;	2ii	ation Test		21/		Additional Comments
BS-ED-030	Refer to	2i	211 ✓	2iii	2iv	2v	Refer to	No indicators of coastal or fluvial flood risk have been identifi
B3-ED-030	Criterion	,		•		,	Criterion	The settlement / zoning is therefore within Flood Zone C.
	response 1A						response 3A	
BS-ED-031	Refer to	√	√	√	✓	✓	Refer to	No indicators of coastal or fluvial flood risk have been identified
	Criterion response 1A						Criterion response 3A	The settlement / zoning is therefore within Flood Zone C.
BS-ED-032	Refer to	√	✓	√	✓	✓	Refer to	No indicators of coastal or fluvial flood risk have been identifi
	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BS-ED-033	response 1A		/		/		response 3A	No indicators of coastal or fluvial flood risk have been identifi
BS-ED-033	Refer to Criterion	V	<i>v</i>	<i>V</i>	'	V	Refer to Criterion	The settlement / zoning is therefore within Flood Zone C.
	response 1A						response 3A	The settlement / Zoning is therefore within 1 lood Zone o.
BS-ED-034	Refer to	√	✓	✓	√	✓	Refer to	Fluvial flooding emanating from the Kilross River affects a po
	Criterion						Criterion	of the site in the 1 in 100 fluvial or 1 in 200 year coastal even
BS-ED-035	response 1A Refer to	√	√	√	✓	√	response 3B Refer to	therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identifi
20 22 000	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
	response 1A						response 3A	
BS-ED-036	Refer to Criterion	√	✓	~	·	~	Refer to Criterion	No indicators of coastal or fluvial flood risk have been identife. The settlement / zoning is therefore within Flood Zone C.
	response 1A						response 3A	The settlement / Zonling is therefore within Flood Zone G.
BS-ED-037	Refer to	✓	✓	√	✓	√	Refer to	No indicators of coastal or fluvial flood risk have been identif
	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BS-ED-038	response 1A Refer to		✓	✓	✓		response 3A Refer to	Fluvial flooding emanating from the River Finn [Donegal] affe
<i>BO LD 000</i>	Criterion					,	Criterion	portion of the site in the 1 in 1000 year event, therefore, the
	response 1A						response 3B	are within Flood Zone B.
BS-ED-039	Refer to	✓	✓	√	 	√	Refer to	Fluvial flooding emanating from the Kilross River affects a po
	Criterion response 1A						Criterion response 3B	of the site in the 1 in 1000 year event, therefore, the lands a within Flood Zone B.
BS-ED-040	Refer to	√	√	✓	√	√	Refer to	Fluvial flooding emanating from the Kilross River affects a po
	Criterion						Criterion	of the site in the 1 in 1000 year event, therefore, the lands a
DO 55 5 11	response 1A						response 3B	within Flood Zone B.
BS-ED-041	Refer to Criterion	√	✓	√	·	~	Refer to Criterion	No indicators of coastal or fluvial flood risk have been identify.
	response 1A						response 3A	The settlement / zoning is therefore within Flood Zone C.
BS-ED-042	Refer to	√	√	√	√	✓	Refer to	No indicators of coastal or fluvial flood risk have been identif
	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BS-ED-043	response 1A Refer to		/		/		response 3A Refer to	No indicators of coastal or fluvial flood risk have been identif
BS-ED-043	Criterion	V	<i>V</i>	<i>V</i>	'	V	Criterion	The settlement / zoning is therefore within Flood Zone C.
	response 1A						response 3A	The settlement / Zorling is therefore within 1 lood Zorle C.
BS-ED-044	Refer to	√	✓	✓	√	✓	Refer to	No indicators of coastal or fluvial flood risk have been identif
	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BS-ED-045	response 1A Refer to	√	√	√	✓	√	response 3A Refer to	No indicators of coastal or fluvial flood risk have been identi
B0 25 040	Criterion	·	ŕ	ŕ		ŕ	Criterion	The settlement / zoning is therefore within Flood Zone C.
	response 1A						response 3A	
BS-ED-046	Refer to	✓	✓	√	✓	√	Refer to	No indicators of coastal or fluvial flood risk have been identif
	Criterion response 1A						Criterion response 3A	The settlement / zoning is therefore within Flood Zone C.
BS-ED-047	Refer to	√	√	√	√	√	Refer to	No indicators of coastal or fluvial flood risk have been identif
	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
DO 50 040	response 1A						response 3A	
BS-ED-048	Refer to Criterion	~	✓	~	✓	~	Refer to Criterion	No indicators of coastal or fluvial flood risk have been identifulation. The settlement / zoning is therefore within Flood Zone C.
	response 1A						response 3A	The settlement / Zonling is therefore within Flood Zone C.
BS-ED-051	Refer to	✓	✓	✓	√	✓	Refer to	No indicators of coastal or fluvial flood risk have been identif
	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BS-ED-054	response 1A Refer to		√	√	√	· /	response 3A Refer to	Fluvial flooding emanating from the River Finn [Donegal] aff
20 22 00.	Criterion						Criterion	portion of the site in the 1 in 100 fluvial or 1 in 200 year coast
50.55.455	response 1A						response 3B	event, therefore, the lands are within Flood Zone A.
BS-ED-055	Refer to Criterion	V	✓	√	✓	✓	Refer to Criterion	No indicators of coastal or fluvial flood risk have been identi
	response 1A						response 3A	The settlement / zoning is therefore within Flood Zone C.
BS-ED-056	Refer to	√	✓	√	✓	✓	Refer to	No indicators of coastal or fluvial flood risk have been identif
	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BS-ED 057	response 1A		/	./			response 3A	Fluvial flooding amanating from the Kilsees Diverseffects as
BS-ED-057	Refer to Criterion	V	, v	V	'	V	Refer to Criterion	Fluvial flooding emanating from the Kilross River affects a p of the site in the 1 in 1000 year event, therefore, the lands a
	response 1A						response 3B	within Flood Zone B.
BS-ED-058	Refer to	√	✓	√	√	✓	Refer to	No indicators of coastal or fluvial flood risk have been identif
	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BS-ED-059	response 1A Refer to	√	✓	√	✓	✓	response 3A Refer to	Fluvial flooding emanating from the Kilross River affects a p
	Criterion			-		-	Criterion	of the site in the 1 in 1000 year event, therefore, the lands a
	response 1A						response 3B	within Flood Zone B.
	Refer to	√	✓	✓	✓	✓	Refer to	Fluvial flooding emanating from the River Finn [Donegal] an
BS-ED-060	Criterion						Criterion response 3B	River (Burn) Daurnett affects a portion of the site in the 1 in fluvial or 1 in 200 year coastal event, therefore, the lands ar
BS-ED-060	Tresnonse 14						<u> </u>	within Flood Zone A.
	response 1A		✓	✓	✓	√	Refer to	No indicators of coastal or fluvial flood risk have been identi
BS-ED-060 BS-ED-061	Refer to	✓	'		ı l		Criterion	The settlement / zoning is therefore within Flood Zone C.
	Refer to Criterion	√	,				response 3A Refer to	Fluvial flooding amonating from the Bookless Diverseffects
BS-ED-061	Refer to Criterion response 1A	√	V		√	√	1133313	TEINAISI 110000100 6WSUSIINO 1WW WE Backippe Biop. augus s
	Refer to Criterion		ŕ	✓	✓	✓	Criterion	
BS-ED-061 BS-ED-062	Refer to Criterion response 1A Refer to Criterion response 1A	· ·	ŕ	√	ŕ		Criterion response 3B	portion of the site in the 1 in 100 fluvial or 1 in 200 year coasevent, therefore, the lands are within Flood Zone A.
BS-ED-061	Refer to Criterion response 1A Refer to Criterion response 1A Refer to		ŕ	✓ ✓	<i>V</i>	V	Criterion response 3B Refer to	portion of the site in the 1 in 100 fluvial or 1 in 200 year coasevent, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified.
BS-ED-061 BS-ED-062	Refer to Criterion response 1A Refer to Criterion response 1A Refer to Criterion	· ·	~	✓ ✓	ŕ		Criterion response 3B Refer to Criterion	portion of the site in the 1 in 100 fluvial or 1 in 200 year coasevent, therefore, the lands are within Flood Zone A.
BS-ED-061 BS-ED-062 BS-ED-063	Refer to Criterion response 1A Refer to Criterion response 1A Refer to Criterion response 1A	· ·	~	V	ŕ		Criterion response 3B Refer to Criterion response 3A	portion of the site in the 1 in 100 fluvial or 1 in 200 year coarevent, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identiful The settlement / zoning is therefore within Flood Zone C.
BS-ED-061 BS-ED-062	Refer to Criterion response 1A Refer to Criterion response 1A Refer to Criterion	<i>Y</i>	<i>Y</i>	V	V	√	Criterion response 3B Refer to Criterion	portion of the site in the 1 in 100 fluvial or 1 in 200 year coase event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identify The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] aff
BS-ED-061 BS-ED-062 BS-ED-063 BS-ED-064	Refer to Criterion response 1A	V V	V V	· · · · · · · · · · · · · · · · · · ·	V	V	Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3B	portion of the site in the 1 in 100 fluvial or 1 in 200 year coasevent, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identifulated the settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affind portion of the site in the 1 in 1000 year event, therefore, the are within Flood Zone B.
BS-ED-061 BS-ED-062 BS-ED-063	Refer to Criterion response 1A Refer to	<i>Y</i>	<i>Y</i>	V V	V	√	Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3B Refer to	portion of the site in the 1 in 100 fluvial or 1 in 200 year coal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identiful The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affine portion of the site in the 1 in 1000 year event, therefore, the are within Flood Zone B. Fluvial flooding emanating from the River Finn [Donegal] affine portion of the site in the 1 in 1000 year event, therefore, the are within Flood Zone B.
BS-ED-061 BS-ED-062 BS-ED-063 BS-ED-064	Refer to Criterion response 1A Refer to Criterion	V V	V V	V V	V	V	Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion	portion of the site in the 1 in 100 fluvial or 1 in 200 year coarevent, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identiful The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affine portion of the site in the 1 in 1000 year event, therefore, the are within Flood Zone B. Fluvial flooding emanating from the River Finn [Donegal] affine portion of the site in the 1 in 100 fluvial or 1 in 200 year coare
BS-ED-061 BS-ED-062 BS-ED-063 BS-ED-064	Refer to Criterion response 1A Refer to	V V	V V	V V	V	V	Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3B Refer to	portion of the site in the 1 in 100 fluvial or 1 in 200 year coase event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified the settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affine portion of the site in the 1 in 1000 year event, therefore, the are within Flood Zone B. Fluvial flooding emanating from the River Finn [Donegal] affine portion of the site in the 1 in 100 fluvial or 1 in 200 year coase event, therefore, the lands are within Flood Zone A.
BS-ED-061 BS-ED-062 BS-ED-063 BS-ED-064 BS-ED-065	Refer to Criterion response 1A	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V V	V V	V V	✓ ✓ ✓ ✓ ✓	Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion response 3B	portion of the site in the 1 in 100 fluvial or 1 in 200 year coase event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identife. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affection of the site in the 1 in 1000 year event, therefore, the are within Flood Zone B. Fluvial flooding emanating from the River Finn [Donegal] affection of the site in the 1 in 100 fluvial or 1 in 200 year coase event, therefore, the lands are within Flood Zone A.
BS-ED-061 BS-ED-062 BS-ED-063 BS-ED-064 BS-ED-066	Refer to Criterion response 1A	V V	V V	V V	V V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3A	portion of the site in the 1 in 100 fluvial or 1 in 200 year coase event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identife. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affection of the site in the 1 in 1000 year event, therefore, the are within Flood Zone B. Fluvial flooding emanating from the River Finn [Donegal] affection of the site in the 1 in 100 fluvial or 1 in 200 year coase event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identife. The settlement / zoning is therefore within Flood Zone C.
BS-ED-061 BS-ED-062 BS-ED-063 BS-ED-064 BS-ED-065	Refer to Criterion response 1A Refer to Criterion	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V V	V V	V V	✓ ✓ ✓ ✓ ✓	Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3A Refer to	portion of the site in the 1 in 100 fluvial or 1 in 200 year coase event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identife. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affection of the site in the 1 in 1000 year event, therefore, the are within Flood Zone B. Fluvial flooding emanating from the River Finn [Donegal] affection of the site in the 1 in 100 fluvial or 1 in 200 year coase event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identife. The settlement / zoning is therefore within Flood Zone C.
BS-ED-061 BS-ED-062 BS-ED-063 BS-ED-064 BS-ED-066	Refer to Criterion response 1A Refer to Criterion	V V	V V		V V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3A Refer to Criterion	portion of the site in the 1 in 100 fluvial or 1 in 200 year coase event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identife. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affection of the site in the 1 in 1000 year event, therefore, the are within Flood Zone B. Fluvial flooding emanating from the River Finn [Donegal] affection of the site in the 1 in 100 fluvial or 1 in 200 year coase event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identife. The settlement / zoning is therefore within Flood Zone C.
BS-ED-061 BS-ED-062 BS-ED-063 BS-ED-064 BS-ED-065	Refer to Criterion response 1A Refer to Criterion	V V	V V	V V V	V V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3A Refer to	No indicators of coastal or fluvial flood risk have been identife. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affection of the site in the 1 in 1000 year event, therefore, the are within Flood Zone B. Fluvial flooding emanating from the River Finn [Donegal] affection of the site in the 1 in 100 fluvial or 1 in 200 year coast event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identife. The settlement / zoning is therefore within Flood Zone C.

Zone	<u> </u>			ation Test			1 -	Additional Comments
DO 50 000	1	2i	2ii	2iii	2iv	2v	3	No. 2 of Production of Considering (Considering Considering Consid
BS-ED-069	Refer to Criterion	√		✓	V	V	Refer to Criterion	No indicators of coastal or fluvial flood risk have been iden. The settlement / zoning is therefore within Flood Zone C.
	response 1A						response 3A	
BS-ED-070	Refer to Criterion	✓	V	~	~	_	Refer to Criterion	No indicators of coastal or fluvial flood risk have been iden. The settlement / zoning is therefore within Flood Zone C.
BS-ED-072	response 1A Refer to	· /	✓	✓	✓	√	response 3A Refer to	Fluvial flooding emanating from the River Finn [Donegal] a
	Criterion						Criterion	portion of the site in the 1 in 1000 year event, therefore, the
BS-ED-073	response 1A Refer to	✓	✓	√	√	✓	response 3B Refer to	are within Flood Zone B. Fluvial flooding emanating from the River (Burn) Daurnett a
	Criterion						Criterion	portion of the site in the 1 in 100 fluvial or 1 in 200 year co
BS-ED-074	response 1A Refer to		/	/	√	/	response 3B Refer to	event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] a
B3-ED-074	Criterion	ŕ					Criterion	portion of the site in the 1 in 100 fluvial or 1 in 200 year coa
BS-ED-075	response 1A		/	/	/	✓	response 3B	event, therefore, the lands are within Flood Zone A.
BS-ED-075	Refer to Criterion	•	"	, r	, v	'	Refer to Criterion	Fluvial flooding emanating from the River Finn [Donegal] at portion of the site in the 1 in 100 fluvial or 1 in 200 year coannel.
	response 1A						response 3B	event, therefore, the lands are within Flood Zone A.
BS-ED-076	Refer to Criterion	~	/	·	·	✓	Refer to Criterion	Fluvial flooding emanating from the River Finn [Donegal] a portion of the site in the 1 in 1000 year event, therefore, the
	response 1A						response 3B	are within Flood Zone B.
BS-ED-077	Refer to Criterion	√	/	·	/	_	Refer to Criterion	Fluvial flooding emanating from the River Finn [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coans.
	response 1A						response 3B	event, therefore, the lands are within Flood Zone A.
BS-ED-078	Refer to	√	V	✓	✓	~	Refer to	No indicators of coastal or fluvial flood risk have been iden
	Criterion response 1A						Criterion response 3B	The settlement / zoning is therefore within Flood Zone C.
BS-LER-002	Refer to	√	✓	✓	✓	V	Refer to	Fluvial flooding emanating from the River Finn [Donegal] a
	Criterion						Criterion	River (Burn) Daurnett affects a portion of the site in the 1
	response 1A						response 3B	fluvial or 1 in 200 year coastal event, therefore, the lands a within Flood Zone A.
BS-LER-004	Refer to	✓	✓	✓	✓	√	Refer to	No indicators of coastal or fluvial flood risk have been iden
	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BS-LER-009	response 1A Refer to	✓	✓	✓	✓	√	response 3A Refer to	Fluvial flooding affects a portion of the site in the 1 in 100
	Criterion						Criterion	or 1 in 200 year coastal event, therefore, the lands are with
BS-LER-010	response 1A Refer to	✓	✓	✓	✓	√	response 3B Refer to	Flood Zone A. Fluvial flooding affects a portion of the site in the 1 in 100
	Criterion	-					Criterion	or 1 in 200 year coastal event, therefore, the lands are with
BS-LER-013	response 1A Refer to		/	/	/	/	response 3B Refer to	Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett
B3-LER-013	Criterion	•	"	'	"	'	Criterion	portion of the site in the 1 in 100 fluvial or 1 in 200 year co
	response 1A						response 3B	event, therefore, the lands are within Flood Zone A.
BS-LER-014	Refer to	√	✓	✓	√	V	Refer to	Fluvial flooding emanating from the River Finn [Donegal] a
	Criterion						Criterion	River (Burn) Daurnett affects a portion of the site in the 1
	response 1A						response 3B	fluvial or 1 in 200 year coastal event, therefore, the lands a within Flood Zone A.
								Within Flood Zone A.
BS-LER-21	Refer to	√	✓	~	✓	V	Refer to	No indicators of coastal or fluvial flood risk have been ider
	Criterion response 1A						Criterion response 3A	The settlement / zoning is therefore within Flood Zone C.
BS-LER-022	Refer to	√	✓	✓	✓	/	Refer to	Fluvial flooding emanating from the River Finn [Donegal] a
	Criterion response 1A						Criterion response 3B	River (Burn) Daurnett affects a portion of the site in the 1 fluvial or 1 in 200 year coastal event, therefore, the lands a
	·							within Flood Zone A.
BS-LER-023	Refer to Criterion	✓	_	/	~	_	Refer to Criterion	Fluvial flooding emanating from the River Finn [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year co
	response 1A						response 3B	event, therefore, the lands are within Flood Zone A.
BS-LER-045	Refer to			· ·	/	✓	Refer to	No indicators of coastal or fluvial flood risk have been iden
B3-LEN-043	Criterion	•			'		Criterion	The settlement / zoning is therefore within Flood Zone C.
	response 1A						response 3A	
BS-LER-046	Refer to	√	✓	✓	✓	√	Refer to	Fluvial flooding emanating from the River (Burn) Daurnett
	Criterion response 1A						Criterion response 3B	portion of the site in the 1 in 100 fluvial or 1 in 200 year co event, therefore, the lands are within Flood Zone A.
DC : ==	<u> </u>						·	
BS-LER-047	Refer to Criterion	✓	_	/	~	~	Refer to Criterion	Fluvial flooding emanating from the River (Burn) Daurnett portion of the site in the 1 in 100 fluvial or 1 in 200 year co
	response 1A						response 3B	event, therefore, the lands are within Flood Zone A.
BS-LER-049	Refer to		·	·	/	✓	Refer to	No indicators of coastal or fluvial flood risk have been iden
DO-LEK-049	Criterion	ν					Criterion	The settlement / zoning is therefore within Flood Zone C.
DO LED ASA	response 1A		/	./	./		response 3A	
BS-LER-053	Refer to Criterion	√	'	~	~	✓	Refer to Criterion	Fluvial flooding emanating from the River Finn [Donegal] a River (Burn) Daurnett affects a portion of the site in the 1
	response 1A						response 3B	fluvial or 1 in 200 year coastal event, therefore, the lands
BS-LER-054	Refer to		· ·	/	/	✓	Refer to	within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett
00-LER-054	Criterion	•		_			Criterion	portion of the site in the 1 in 1000 year event, therefore, the
	response 1A						response 3B	are within Flood Zone B.
BS-LER-056	Refer to	√	✓	✓	✓	√	Refer to	Fluvial flooding emanating from the River Finn [Donegal] a
	Criterion						Criterion	River (Burn) Daurnett affects a portion of the site in the 1
	response 1A						response 3B	fluvial or 1 in 200 year coastal event, therefore, the lands within Flood Zone A.
BS-MA-001			1	N/A		<u> </u>	I	Fluvial flooding emanating from the River Finn [Donegal] a
and BS-MA-								portion of the site in the 1 in 100 fluvial or 1 in 200 year co
002								event, therefore, the lands are within Flood Zone A. Assest of Masterplan lands is to be undertaken as part of the master.
								planning process and as such is not considered here.
BS-NRESP1-	Refer to	√	✓	·	V	✓	Refer to	No indicators of coastal or fluvial flood risk have been ider
	I I	-	1	l	l ´		Criterion	
001	Criterion						Cilletion	The settlement / zoning is therefore within Flood Zone C.

BS-NRESP1-				ation Test (Additional Comments
BS-NRESP1-	1	2i	2ii	2iii	2iv	2v	3	No. 1. Produces of constant of the first first beautiful to the constant of th
002	Refer to Criterion	√	✓	√	/	/	Refer to Criterion	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
002	response 1A						response 3A	The settlement / zonling is therefore within Flood zone C.
BS-NRESP1-	Refer to	✓	√	✓	✓	√	Refer to	No indicators of coastal or fluvial flood risk have been identified.
003	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BS-NRESP1-	response 1A Refer to	✓	/	✓	/	/	response 3A Refer to	No indicators of coastal or fluvial flood risk have been identified.
005	Criterion	•				1	Criterion	The settlement / zoning is therefore within Flood Zone C.
	response 1A						response 3A	•
BS-NRESP1-	Refer to	√	✓	✓	✓	/	Refer to	Fluvial flooding emanating from the Kilross River affects a portion
008	Criterion						Criterion	of the site in the 1 in 100 fluvial or 1 in 200 year coastal event,
	response 1A						response 3B	therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the periphery of the site and
								flood risk can be appropriately managed
BS-NRESP1-	Refer to	√	✓	√	✓	√	Refer to	Fluvial flooding emanating from the Kilross River affects a portion
009	Criterion						Criterion	of the site in the 1 in 100 fluvial or 1 in 200 year coastal event,
	response 1A						response 3B	therefore, the lands are within Flood Zone A. Sources consulted
								indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
BS-NRESP1-	Refer to	✓	√	√	✓	√	Refer to	No indicators of coastal or fluvial flood risk have been identified.
010	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BS-NRESP1-	response 1A Refer to	✓	/	✓	/	/	response 3A Refer to	Fluvial flooding emanating from the Kilross River affects a portion
011	Criterion	,				'	Criterion	in the south of the site in the 1 in 1000 year event, therefore, the
	response 1A						response 3B	lands are within Flood Zone B. Sources consulted indicate that
								flooding is limited to the periphery of the site and flood risk can be
DO MD5000	5.						5 ()	appropriately managed
BS-NRESP2-	Refer to	V	·	~	·	_	Refer to	Fluvial flooding emanating from the River (Burn) Daurnett affects
002	Criterion response 1A			 		1	Criterion response 3B	portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	response TA			 		1	Leshouse 3B	The proposed land use is generally inappropriate in areas
				 		1	1	vulnerable to flooding as per the OPW Guidelines. However, there
				 		1	1	are no alternative land parcels within the settlement that can
				 		1		provide the proposed land use with lesser inherent flood risk and
				 		1	1	specific policies are to be applied for these sites as to ensure safe
								and sustainable development within these communities.
	1			 		1	1	·
				 		1	1	Policy: "Require that any development proposal on site New
								Residential 2.2 is accompanied by a detailed site specific flood
								risk assessment, does not provide for any residential developmen
								within any areas identified as High End Future Scenario Flood
								Zone A or B and does not otherwise exacerbate flood risk on the site or elsewhere."
								Site of elsewhere.
								The proposed zoning is deemed to be in line with the sequential
								approach and is justified as per the OPW Guidelines.
BS-NRESP2-	Refer to	✓	√	✓	√	√	Refer to	No indicators of coastal or fluvial flood risk have been identified.
003	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BS-OPS-001	response 1A Refer to	✓	/	· /	/		response 3A Refer to	No indicators of coastal or fluvial flood risk have been identified.
B3-0P3-001	Criterion	,				,	Criterion	The settlement / zoning is therefore within Flood Zone C.
	response 1A						response 3A	The settlement / Zerning is therefore within 1 lood Zerne e.
BS-OPS-002	Refer to	√	✓	√	✓	✓	Refer to	No indicators of coastal or fluvial flood risk have been identified.
	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BS-OPS-003	response 1A Refer to		/		/	/	response 3A Refer to	No indicators of coastal or fluvial flood risk have been identified.
B3-07 3-003	Criterion	•				1	Criterion	The settlement / zoning is therefore within Flood Zone C.
	response 1A						response 3A	
BS-OPS-004	Refer to	✓	✓	√	~	~	Refer to	Fluvial flooding emanating from the River Finn [Donegal] affects a
	Criterion						Criterion	portion of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B. Sources consulted indicate that flooding
	response 1A						response 3B	is limited to the periphery of the site and flood risk can be
								appropriately managed
BS-OPS-005	Refer to	✓	√	√	√	✓	Refer to	Fluvial flooding emanating from the River Finn [Donegal] affects a
	Criterion						Criterion	portion of the site in the 1 in 1000 year event, therefore, the lands
	response 1A		1 1	,		1	response 3B	are within Flood Zone B. Sources consulted indicate that flooding
	Trooponioo iii	İ		'		1		
	Toopenee 171			1				is limited to the periphery of the site and flood risk can be
RS-05B 004		./			./	-/	Refer to	appropriately managed.
BS-0SR-001	Refer to	√	·	V	✓	V	Refer to	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion
BS-OSR-001	Refer to Criterion	~	~	V	✓	V	Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event,
BS-OSR-001 BS-OSR-002	Refer to Criterion response 1A Refer to	V	<i>'</i>	V	· ·	V	Criterion response 3B Refer to	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion
	Refer to Criterion response 1A Refer to Criterion	·		V	·	ŕ	Criterion response 3B Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event,
BS-OSR-002	Refer to Criterion response 1A Refer to Criterion response 1A	·	~	·	~	·	Criterion response 3B Refer to Criterion response 3B	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	Refer to Criterion response 1A Refer to Criterion response 1A Refer to	·		V V	·	ŕ	Criterion response 3B Refer to Criterion response 3B Refer to	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a
BS-OSR-002	Refer to Criterion response 1A Refer to Criterion response 1A Refer to Criterion	·	~	·	~	·	Criterion response 3B Refer to Criterion response 3B Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal
BS-OSR-002 BS-OSR-006	Refer to Criterion response 1A Refer to Criterion response 1A Refer to Criterion response 1A	·	~	·	~	·	Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3B	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BS-OSR-002	Refer to Criterion response 1A Refer to Criterion response 1A Refer to Criterion	<i>Y</i>	~	✓ ✓ ✓	V	<i>'</i>	Criterion response 3B Refer to Criterion response 3B Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects
BS-OSR-002 BS-OSR-006 BS-OSR-007	Refer to Criterion response 1A Refer to Criterion	V	~	V V	V V	V V	Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3B	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BS-OSR-002 BS-OSR-006	Refer to Criterion response 1A Refer to	<i>Y</i>	~	✓ ✓ ✓	V	<i>'</i>	Criterion response 3B Refer to	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects
BS-OSR-002 BS-OSR-006 BS-OSR-007	Refer to Criterion response 1A Refer to Criterion	V	~	V V	V V	V V	Criterion response 3B Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BS-OSR-002 BS-OSR-006 BS-OSR-007	Refer to Criterion response 1A	V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V V	V V		Criterion response 3B Refer to Criterion response 3B	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BS-OSR-002 BS-OSR-006 BS-OSR-007	Refer to Criterion response 1A Refer to Criterion	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	~	V V	V V	V V	Criterion response 3B Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects are provided to the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008	Refer to Criterion response 1A	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V V	V V		Criterion response 3B Refer to Criterion response 3B	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BS-OSR-002 BS-OSR-006 BS-OSR-007	Refer to Criterion response 1A Refer to Criterion	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V V	V V		Criterion response 3B Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008	Refer to Criterion response 1A Refer to Criterion	V V		V V	V V		Criterion response 3B Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008 BS-OSR-009	Refer to Criterion response 1A			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V V V		Criterion response 3B Refer to Criterion response 3B	Appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008	Refer to Criterion response 1A Refer to Criterion	V V		V V	V V		Criterion response 3B Refer to Criterion	Appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008 BS-OSR-009	Refer to Criterion response 1A Refer to Criterion			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V V V		Criterion response 3B Refer to Criterion response 3A Refer to Criterion	Appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008 BS-OSR-009	Refer to Criterion response 1A Refer to Criterion			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V V V		Criterion response 3B Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008 BS-OSR-009 BS-OSR-010	Refer to Criterion response 1A						Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3A	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008 BS-OSR-010 BS-OSR-012 BS-OSR-014	Refer to Criterion response 1A						Criterion response 3B Refer to Criterion response 3A	and an
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008 BS-OSR-009 BS-OSR-010	Refer to Criterion response 1A Refer to Criterion						Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008 BS-OSR-010 BS-OSR-012 BS-OSR-014	Refer to Criterion response 1A Refer to Criterion						Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion response 3B Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-009 BS-OSR-010 BS-OSR-012 BS-OSR-015	Refer to Criterion response 1A						Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3A Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3B	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008 BS-OSR-009 BS-OSR-010 BS-OSR-012	Refer to Criterion response 1A Refer to Criterion						Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3A Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008 BS-OSR-009 BS-OSR-010 BS-OSR-011 BS-OSR-012	Refer to Criterion response 1A Refer to Criterion						Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3A Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008 BS-OSR-009 BS-OSR-010 BS-OSR-012 BS-OSR-015	Refer to Criterion response 1A Refer to Criterion						Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion response 3A Refer to	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008 BS-OSR-009 BS-OSR-010 BS-OSR-012 BS-OSR-012 BS-OSR-014	Refer to Criterion response 1A Refer to Criterion						Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion response 3A Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-009 BS-OSR-010 BS-OSR-012 BS-OSR-014 BS-OSR-015 BS-R&A-001 BS-R&A-004	Refer to Criterion response 1A						Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3A Refer to Criterion response 3A	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone A.
BS-OSR-002 BS-OSR-006 BS-OSR-007 BS-OSR-008 BS-OSR-010 BS-OSR-012 BS-OSR-012 BS-OSR-014 BS-OSR-015	Refer to Criterion response 1A Refer to Criterion						Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3A Refer to Criterion response 3B Refer to Criterion response 3A Refer to Criterion	appropriately managed. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The

ment	Zone			Justifica	ation Test	Criterion			Additional Comments
		1	2i	2ii	2iii	2iv	2v	3	
	BS-R&A-009	Refer to Criterion	/	✓	~	~	~	Refer to Criterion	Fluvial flooding emanating from the River (Burn) Daurnett affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal
	BS-R&A-010	response 1A Refer to	√	√	√	√	✓	response 3B Refer to	event, therefore, the lands are within Flood Zone A. Fluvial flooding affects a portion of the site in the 1 in 1000 fluvia
	20 / (0/10	Criterion						Criterion	or 1 in 1000 year coastal event, therefore, the lands are within
		response 1A						response 3B	Flood Zone B.
	BS-R&A-011	Refer to	✓	√	√	√	✓	Refer to	Fluvial flooding emanating from the River Finn [Donegal] and the
		Criterion						Criterion	River (Burn) Daurnett affects a portion of the site in the 1 in 100
		response 1A						response 3B	fluvial or 1 in 200 year coastal event, therefore, the lands are
	BS-R&A-017	Refer to	/	✓	/	/	/	Refer to	within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified.
	BO-NGA-011	Criterion	ŕ					Criterion	The settlement / zoning is therefore within Flood Zone C.
		response 1A						response 3A	1 33
	BS-R&A-018	Refer to	✓	✓	√	√	✓	Refer to	Fluvial flooding emanating from the River Finn [Donegal] affects
		Criterion						Criterion	portion of the site in the 1 in 1000 year event, therefore, the land
	DO DO 4 040	response 1A						response 3B	are within Flood Zone B.
	BS-R&A-016	Refer to	✓	✓	✓	✓		Refer to	Fluvial flooding emanating from the River Finn [Donegal] affects
	and BS-R&A- 019	Criterion response 1A						Criterion response 3B	portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-R&A-020	Refer to	√	√	√	√	✓	Refer to	Fluvial flooding emanating from the Goland River affects a portion
	20710071020	Criterion						Criterion	of the site in the 1 in 100 fluvial or 1 in 200 year coastal event,
		response 1A						response 3B	therefore, the lands are within Flood Zone A.
	BS-R&A-021	Refer to	✓	√	√	√	✓	Refer to	Fluvial flooding emanating from the River (Burn) Daurnett affects
		Criterion						Criterion	portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal
	DO DO 4 000	response 1A			/	·	/	response 3B	event, therefore, the lands are within Flood Zone A.
	BS-R&A-022	Refer to Criterion	•	~	·	·		Refer to Criterion	Fluvial flooding affects a portion of the site in the 1 in 100 fluvial
		response 1A						response 3B	or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-R&A-023	Refer to	✓	√	√	√	√	Refer to	Fluvial flooding emanating from the Kilross River affects a portion
		Criterion						Criterion	of the site in the 1 in 1000 year event, therefore, the lands are
		response 1A						response 3B	within Flood Zone B.
	BS-R&A-024	Refer to	✓	✓	√	✓	✓	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
	DC D8 4 005	response 1A	./					response 3A	Fluidal flooding appointing from the Diver Fine (Depond) offects
	BS-R&A-025	Refer to Criterion	•	~	·	·	'	Refer to Criterion	Fluvial flooding emanating from the River Finn [Donegal] affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal
		response 1A						response 3B	event, therefore, the lands are within Flood Zone A.
	BS-R&A-027	Refer to	√	√	✓	✓	√	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
		response 1A						response 3A	
	BS-R&A-028	Refer to	√	√	✓	✓	/	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
	BS-R&A-029	response 1A Refer to	/	/	/	/	✓	response 3A Refer to	No indicators of coastal or fluvial flood risk have been identified.
	D3-N&A-029	Criterion	ŕ	,	'	'	'	Criterion	The settlement / zoning is therefore within Flood Zone C.
		response 1A						response 3A	The section of the character within 1 look 2011 C.
	BS-R&A-032	Refer to	✓	✓	√	√	√	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
	DO DO 4 000	response 1A						response 3A	
	BS-R&A-033	Refer to Criterion	~	✓	~	~	/	Refer to	Fluvial flooding emanating from the Backlees River affects a
		response 1A						Criterion response 3B	portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-R&A-035	Refer to	✓	√	√	√	√	Refer to	No indicators of coastal or fluvial flood risk have been identified.
	20 / (0) / 000	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
		response 1A						response 3A	gg
	BS-R&A-036	Refer to	✓	√	√	√	✓	Refer to	Fluvial flooding emanating from the Kilross River affects a portion
		Criterion						Criterion	of the site in the 1 in 100 fluvial or 1 in 200 year coastal event,
	DO DO 4 007	response 1A			/	✓	/	response 3B	therefore, the lands are within Flood Zone A.
	BS-R&A-037	Refer to Criterion	V	V	, v	, v	"	Refer to Criterion	Fluvial flooding emanating from the River Finn [Donegal] affects portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal
		response 1A						response 3B	event, therefore, the lands are within Flood Zone A.
	BS-R&A-039	Refer to	√	√	√	√	✓	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
		response 1A						response 3A	
	BS-UC-001	Refer to	✓	✓	✓	✓	~	Refer to	Fluvial flooding emanating from the River Finn [Donegal] and the
		Criterion						Criterion	Backlees River affects a portion of the site in the 1 in 100 fluvial
		response 1A						response 3B	1 in 200 year coastal event, therefore, the lands are within Flood
	BS-UC-002	Refer to	✓	✓	/	/	/	Refer to	Zone A. Fluvial flooding emanating from the River Finn [Donegal] and the
	DO-00-002	Criterion	,	•	′			Criterion	River (Burn) Daurnett affects a portion of the site in the 1 in 100
		response 1A						response 3B	fluvial or 1 in 200 year coastal event, therefore, the lands are
		1.00bougo IV			ı	ı	I	I SOPORIO OD	mariar or i in 200 your obustar overit, therefore, the lands are

ent	Zone	Τ		lustific	ation Test	Critorion			Additional Comments
C114	LUIT	1 1	2i	2ii	2iii	2iv	2v	3	Additional Confinients
na <i>BA</i>	N-CI-006	Refer to	<u>√</u>	<i>∠</i>	<i>✓</i>	<i>✓</i>	<u> </u>	Refer to	Fluvial flooding emanating from the Lisfannan River affects the
		Criterion						Criterion	periphery of the site in the 1 in 1000 year event, therefore, the
		response 1B						response 3B	lands are within Flood Zone B. Sources consulted indicate that
									flooding is limited to the periphery of the site and flood risk can b
BA	N-CI-007	Refer to	√	✓	✓	✓	√	Refer to	Coastal flooding and fluvial flooding emanating from the
		Criterion						Criterion	Owenkillew River affects the periphery of the site in the 1 in 100
		response 1B						response 3B	fluvial or 1 in 200 year coastal event, therefore, the lands are
									within Flood Zone A. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be
									appropriately managed
BA	N-CPZ-001	Refer to	✓	√	√	√	√	Refer to	Coastal and fluvial flooding emanating from the Crana River
		Criterion						Criterion	affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year
BA	N-ED-001	response 1B Refer to	√	√	√	✓	✓	response 3B Refer to	coastal event. therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Owenkillew River affects a
	LD 001	Criterion	ŕ		'			Criterion	portion of the site in the 1 in 1000 year event, therefore, the land
		response 1B						response 3B	are within Flood Zone B.
BA	N-ED-002	Refer to	✓	✓	✓	✓	✓	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion response 1B						Criterion response 3A	The settlement / zoning is therefore within Flood Zone C.
BA	N-ED-003	Refer to	✓	√	√	✓	✓	Refer to	Coastal flooding and fluvial flooding emanating from the
		Criterion						Criterion	Owenkillew River affects a portion of the site in the 1 in 100 fluvio
		response 1B						response 3B	or 1 in 200 year coastal event, therefore, the lands are within
BΔ	N-ED-004	Refer to	✓	/	✓	· /	✓	Refer to	Flood Zone A. No indicators of coastal or fluvial flood risk have been identified.
	1-LD-007	Criterion	ŕ		'			Criterion	The settlement / zoning is therefore within Flood Zone C.
		response 1B						response 3A	, and the second
BA	N-ED-005	Refer to	✓	✓	✓	✓	~	Refer to	Fluvial flooding emanating from the Luddan River in affects a
		Criterion response 1B						Criterion	portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BA	N-ED-006	Refer to	√	✓	✓	✓	✓	response 3B Refer to	Fluvial flooding emanating from the Gortyarrigan River affects a
1		Criterion						Criterion	portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal
_		response 1B					,	response 3B	event, therefore, the lands are within Flood Zone A.
BA	N-ED-007	Refer to Criterion	✓	✓	~	_	~	Refer to Criterion	No indicators of coastal or fluvial flood risk have been identified.
		response 1B						response 3A	The settlement / zoning is therefore within Flood Zone C.
BA	N-ED-008	Refer to	√	✓	✓	✓	✓	Refer to	Coastal and fluvial flooding emanating from the Crana River
		Criterion						Criterion	affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year
DΛ	N-ED-009	response 1B Refer to		./			· ·	response 3B Refer to	coastal event, therefore, the lands are within Flood Zone A. Coastal flooding and Fluvial flooding emanating from the River M
BA	1-ED-009	Criterion	•	,	'	"	ľ	Criterion	[Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200
		response 1B						response 3B	year coastal event, therefore, the lands are within Flood Zone A.
BA	N-ED-010	Refer to	✓	✓	✓	✓	✓	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BA	\-ED-011	response 1B Refer to	✓	✓	✓	✓	✓	response 3A Refer to	Fluvial flooding emanating from the Crana River affects a portion
		Criterion						Criterion	of the site in the 1 in 100 fluvial or 1 in 200 year coastal event,
<u> </u>	==	response 1B						response 3B	therefore, the lands are within Flood Zone A.
BA	N-ED-012	Refer to	✓	✓	_	V	~	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion response 1B						Criterion response 3A	The settlement / zoning is therefore within Flood Zone C.
BA	N-ED-013	Refer to	√	√	✓	✓	✓	Refer to	Fluvial flooding emanating from the River Mill [Donegal] affects a
		Criterion						Criterion	portion of the site in the 1 in 1000 year event, therefore, the land
D.4		response 1B				/	·	response 3B	are within Flood Zone B.
BA	N-ED-014	Refer to Criterion	V	V	·	·	·	Refer to Criterion	Fluvial flooding emanating from the River Luddan and the Lisfannan River affects a portion of the site in the 1 in 100 fluvial
		response 1B						response 3B	or 1 in 200 year coastal event, therefore, the lands are within
		•	_					·	Flood Zone A.
BA	N-ED-015	Refer to	✓	✓	/	V	~	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion response 1B						Criterion response 3A	The settlement / zoning is therefore within Flood Zone C.
BA	N-ED-016	Refer to	√	√	√	√	√	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
D.4	- FD 047	response 1B				/	·	response 3A	Constal flooding and Elevial flooding amounting from the Diver N
BA	N-ED-017	Refer to Criterion	V	·	·	·	·	Refer to Criterion	Coastal flooding and Fluvial flooding emanating from the River M [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200
		response 1B						response 3B	year coastal event, therefore, the lands are within Flood Zone A.
								·	•
BA	N-ED-018	Refer to	✓	~	V	V	~	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BA	N-ED-019	response 1B Refer to	✓	✓	V	✓	V	Refer to	Coastal and fluvial flooding emanating from the Crana River
	_ 0.0	Criterion						Criterion	affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year
_	LED 222	response 1B	,	,				response 3B	coastal event, therefore, the lands are within Flood Zone A.
BA	N-ED-020	Refer to	✓	·	_	_	~	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion response 1B						Criterion response 3A	The settlement / zoning is therefore within Flood Zone C.
BA	N-ED-021	Refer to	✓	✓	✓	✓	V	Refer to	Fluvial flooding emanating from the River Mill [Donegal] affects a
		Criterion						Criterion	portion of the site in the 1 in 1000 year event, therefore, the land
D.4	ED 000	response 1B		./			·	response 3B	are within Flood Zone B.
BA	N-ED-022	Refer to Criterion	~	~		'		Refer to Criterion	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
		response 1B		<u> </u>	<u>L</u>	<u>L</u>	<u></u>	response 3A	The settlement / Zerming is therefore within Flood Zerie C.
BA	N-ED-023	Refer to	✓	✓	√	√	V	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
RΛ	N-ED-024	response 1B Refer to	✓		V	✓	·	response 3A Refer to	No indicators of coastal or fluvial flood risk have been identified.
	ULT	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
		response 1B						response 3A	
BA	N-ED-025	Refer to	√	✓	V	V	V	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
BA	N-ED-026	response 1B Refer to	√	✓	✓	✓	✓	response 3A Refer to	No indicators of coastal or fluvial flood risk have been identified.
	020	Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
		response 1B						response 3A	•
BA	N-ED-027	Refer to	✓	~	~	V	✓	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion response 1B						Criterion response 3A	The settlement / zoning is therefore within Flood Zone C.
BA	N-ED-028	Refer to	√	√	√	✓	✓	Refer to	Coastal and fluvial flooding emanating from the Crana River
	-	Criterion						Criterion	affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year
1	- FD 60-	response 1B						response 3B	coastal event, therefore, the lands are within Flood Zone A.
 -	\-ED-029	Refer to	✓	✓	✓	✓	√	Refer to	Coastal flooding and Fluvial flooding emanating from the River M
BA	1 20 020	Critaria.			1	1		C-141	I[Donogol] a nawlan of the elter in the 4 in 100 ft that it is a
BA	1 20 020	Criterion response 1B						Criterion response 3B	[Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

				ation Test			_	Additional Comments
D4	1	2i	2ii	2iii	2iv	2v	3	
BA-ED-030	Refer to Criterion response 1B	√		✓		~	Refer to Criterion response 3B	Coastal and fluvial flooding emanating from the Crana River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 y coastal event, therefore, the lands are within Flood Zone A.
BA-ED-031	Refer to Criterion	√	~	V	✓	/	Refer to Criterion	Fluvial flooding emanating from the Owenkillew River affects portion of the site in the 1 in 1000 year event, therefore, the I
BA-ED-032	response 1B Refer to Criterion	√	V	V	✓	✓	response 3B Refer to Criterion	are within Flood Zone B. No indicators of coastal or fluvial flood risk have been identifi The settlement / zoning is therefore within Flood Zone C.
BA-ED-033	response 1B Refer to	✓	✓	✓	✓	✓	response 3A Refer to	Coastal flooding and fluvial flooding emanating from the
	Criterion response 1B						Criterion response 3B	Owenkillew River affects a portion of the site in the 1 in 100 f or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BA-ED-034	Refer to Criterion response 1B	V	V	V	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identifithe Settlement / zoning is therefore within Flood Zone C.
BA-ED-035	Refer to Criterion	√	~	V	V	V	Refer to Criterion	No indicators of coastal or fluvial flood risk have been identification. The settlement / zoning is therefore within Flood Zone C.
BA-ED-036	response 1B Refer to Criterion	√	~	√	V	/	response 3A Refer to Criterion	No indicators of coastal or fluvial flood risk have been identification. The settlement / zoning is therefore within Flood Zone C.
BA-ED-037	response 1B Refer to Criterion	√	~	√	·	√	response 3A Refer to Criterion	Fluvial flooding emanating from the Crana River affects a po of the site in the 1 in 1000 year event, therefore, the lands ar
BA-ED-038	response 1B Refer to Criterion	√	~	√	V	√	response 3B Refer to Criterion	within Flood Zone B. No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-ED-039	response 1B Refer to Criterion	√	~	√	✓	✓	response 3A Refer to Criterion	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-ED-040	response 1B Refer to	√	V	√	✓	✓	response 3A Refer to	No indicators of coastal or fluvial flood risk have been identif
BA-ED-041	Criterion response 1B Refer to	✓	·	✓	V	·	Criterion response 3A Refer to	The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identif
BA-ED-042	Criterion response 1B Refer to	√	✓	√	✓	✓	Criterion response 3A Refer to	The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identif
BA-ED-043	Criterion response 1B Refer to	✓	✓	√	✓	✓	Criterion response 3A Refer to	The settlement / zoning is therefore within Flood Zone C. Coastal flooding and Fluvial flooding emanating from the Riv
	Criterion response 1B	- 					Criterion response 3B	[Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 20 year coastal event, therefore, the lands are within Flood Zon
BA-ED-044	Refer to Criterion response 1B	✓	✓	√	✓	/	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-ED-045	Refer to Criterion response 1B	√	/	V	V	/	Refer to Criterion response 3B	Fluvial flooding emanating from the Crana River affects a po of the site in the 1 in 100 fluvial or 1 in 200 year coastal ever therefore, the lands are within Flood Zone A.
BA-ED-046	Refer to Criterion	√	V	√	√	V	Refer to Criterion	Fluvial flooding emanating from the Ballymacarry Lower River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 graphs.
BA-ED-047	response 1B Refer to Criterion	√	/	/	V	/	response 3B Refer to Criterion	coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-ED-048	response 1B Refer to Criterion	√	/	/	V	/	response 3A Refer to Criterion	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-ED-049	response 1B Refer to Criterion response 1B	V	~	√	~	√	response 3A Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Ballymacarry Lower River affects a portion of the site in the 100 fluvial or 1 in 200 year coastal event, therefore, the land within Flood Zone A.
BA-ED-050	Refer to Criterion	√	~	✓	V	/	Refer to Criterion	No indicators of coastal or fluvial flood risk have been identification. The settlement / zoning is therefore within Flood Zone C.
BA-ED-051	response 1B Refer to Criterion	√	~	√	·	√	response 3A Refer to Criterion	No indicators of coastal or fluvial flood risk have been identification. The settlement / zoning is therefore within Flood Zone C.
BA-ED-053	Refer to Criterion	√	✓	✓	✓	✓	response 3A Refer to Criterion	Coastal flooding and fluvial flooding emanating from the Owenkillew River affects a portion of the site in the 1 in 100
BA-ED-054	Refer to	√	✓	√	✓	✓	response 3B Refer to	or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identife.
BA-ED-055	Criterion response 1B Refer to	✓	·	✓	✓	·	Criterion response 3A Refer to	The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identif
BA-ED-056	Criterion response 1B Refer to	✓	·	V	V	·	Criterion response 3A Refer to	The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the Owenkillew River affects
	Criterion response 1B						Criterion response 3B	small portion of the site in the north in the 1 in 100 fluvial or 200 year coastal event, therefore, the lands are within Flood
BA-ED-057	Refer to Criterion	√	~	√	V	✓	Refer to Criterion	No indicators of coastal or fluvial flood risk have been identification. The settlement / zoning is therefore within Flood Zone C.
BA-ED-058	response 1B Refer to Criterion	√	~	√	V	/	response 3A Refer to Criterion	Fluvial flooding emanating from the Luddan River affects a pof the site in the west in the 1 in 1000 year event, therefore,
BA-ED-059	response 1B Refer to Criterion	√	/	V	V	/	response 3B Refer to Criterion	lands are within Flood Zone B. No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-ED-061	response 1B Refer to Criterion	√	√	√	✓	✓	response 3A Refer to Criterion	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-ED-062	response 1B Refer to Criterion	√	/	✓	V	·	response 3A Refer to Criterion	No indicators of coastal or fluvial flood risk have been identife. The settlement / zoning is therefore within Flood Zone C.
BA-ED-063	response 1B Refer to Criterion	√	✓	V	V	/	response 3A Refer to Criterion	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-ED-064	response 1B Refer to Criterion	√	~	√	√	✓	response 3A Refer to Criterion response 3B	Coastal flooding and Fluvial flooding emanating from the Riv [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 20 year coastal event, therefore, the lands are within Flood Zon
	response 1B				1		1	

Zone	<u> </u>	<u></u>		ation Test	т —		T -	Additional Comments
BA-ED-066	Refer to Criterion	2i ✓	2ii ✓	2iii ✓	2iv	2v	Refer to Criterion	Fluvial flooding emanating from the Crana River affects a pof the site in the 1 in 100 fluvial or 1 in 200 year coastal evidence of the site in the 1 in 100 fluvial or 1 in 200 year coastal evidence of the site in the 1 in 100 fluvial or 1 in 200 year coastal evidence of the 100 fluvial or 1 in 200 year coastal evidence of 100 fluvial or 1 in 200 year coastal evidence of 100 fluvial or 1 in 200 year coastal evidence of 100 fluvial or 1 in 200 year coastal evidence of 100 fluvial or 1 in 200 year coastal evidence of 100 fluvial or 1 in 200 year coastal evidence of 100 fluvial or 1 in 200 year coastal evidence of 100 fluvial or 1 in 200 year coastal evidence of 100 fluvial or 1 in 200 year coastal evidence of 100 fluvial or 1 in 200 fluvial or 1 in 200 year coastal
BA-ED-067	response 1B Refer to Criterion response 1B	✓	/	✓	✓	V	response 3B Refer to Criterion response 3B	therefore, the lands are within Flood Zone A. Coastal and fluvial flooding emanating from the Crana Rive affects a portion of the site in the 1 in 100 fluvial or 1 in 200 coastal event, therefore, the lands are within Flood Zone A
BA-ED-068	Refer to Criterion response 1B	√	√	√	V	√	Refer to Criterion response 3B	Fluvial flooding emanating from the Crana River affects a pof the site in the 1 in 100 fluvial or 1 in 200 year coastal evitherefore, the lands are within Flood Zone A.
BA-ED-069	Refer to Criterion response 1B	√	√	√	√	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been iden. The settlement / zoning is therefore within Flood Zone C.
BA-ED-070	Refer to Criterion response 1B	V	V	V	·	V	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Owenkillew River affects a portion of the site in the 1 in 100 or 1 in 200 year coastal event, therefore, the lands are with
BA-ED-071	Refer to Criterion response 1B	·	·	V	V	√	Refer to Criterion response 3B	Flood Zone A. Coastal flooding and Fluvial flooding emanating from the R [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in year coastal event, therefore, the lands are within Flood Zo
BA-ED-072	Refer to Criterion	√	✓	✓	✓	✓	Refer to Criterion	No indicators of coastal or fluvial flood risk have been iden. The settlement / zoning is therefore within Flood Zone C.
BA-ED-073	response 1B Refer to Criterion	√	√	√	✓	✓	response 3A Refer to Criterion	No indicators of coastal or fluvial flood risk have been iden. The settlement / zoning is therefore within Flood Zone C.
BA-ED-074	response 1B Refer to Criterion response 1B	√	✓	✓	✓	✓	response 3A Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Owenkillew River affects a portion of the site in the 1 in 10 or 1 in 200 year coastal event, therefore, the lands are with
BA-ED-075	Refer to Criterion response 1B	√	√	√	V	V	Refer to Criterion response 3B	Flood Zone A. Coastal flooding and fluvial flooding emanating from the Ballymacarry Lower River affects a portion of the site in the 100 fluvial or 1 in 200 year coastal event, therefore, the law within Flood Zone A.
BA-ED-076	Refer to Criterion response 1B	√	V	√	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been iden. The settlement / zoning is therefore within Flood Zone C.
BA-ED-077	Refer to Criterion response 1B	V	V	V	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been ider The settlement / zoning is therefore within Flood Zone C.
BA-ED-078	Refer to Criterion response 1B	V	√	√	√	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been ider The settlement / zoning is therefore within Flood Zone C.
BA-ED-079	Refer to Criterion response 1B	V	√	√	√	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been ider The settlement / zoning is therefore within Flood Zone C.
BA-ED-080	Refer to Criterion response 1B	~	~	~	~	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Ballymacarry Lower River affects a portion of the site in th 100 fluvial or 1 in 200 year coastal event, therefore, the la within Flood Zone A.
BA-ED-081	Refer to Criterion response 1B	V	V	✓	/	V	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Owenkillew River affects a portion of the site in the 1 in 10 or 1 in 200 year coastal event, therefore, the lands are wit Flood Zone A.
BA-ED-082	Refer to Criterion response 1B	/	/	√	/	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been ider The settlement / zoning is therefore within Flood Zone C.
BA-ED-083	Refer to Criterion response 1B	/	~	√	√	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been ider The settlement / zoning is therefore within Flood Zone C.
BA-ED-084	Refer to Criterion response 1B	V	V	√	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been ider The settlement / zoning is therefore within Flood Zone C.
BA-ED-085	Refer to Criterion response 1B	`	·	√	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been ider. The settlement / zoning is therefore within Flood Zone C.
BA-ED-086	Refer to Criterion response 1B	\	~	~	*	/	Refer to Criterion response 3B	Coastal flooding and Fluvial flooding emanating from the F [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in year coastal event, therefore, the lands are within Flood Z
BA-ED-087	Refer to Criterion response 1B	√	~	√	~	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Gortyarrigan River affects a portion of the site in the 1 in 1 fluvial or 1 in 200 year coastal event, therefore, the lands a within Flood Zone A.
BA-ED-088	Refer to Criterion response 1B	V	√	V	V	V	Refer to Criterion response 3B	Coastal flooding and Fluvial flooding emanating from the F Crana a portion of the site in the 1 in 100 fluvial or 1 in 200 coastal event, therefore, the lands are within Flood Zone A
BA-ED-089	Refer to Criterion response 1B	V	V	V	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been iden. The settlement / zoning is therefore within Flood Zone C.
BA-ED-090	Refer to Criterion response 1B	√	✓	√	√	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been iden. The settlement / zoning is therefore within Flood Zone C.
BA-ED-091	Refer to Criterion response 1B	√	✓	√	√	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been ider The settlement / zoning is therefore within Flood Zone C.
BA-ED-092	Refer to Criterion response 1B	√	√	√	√	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been ider The settlement / zoning is therefore within Flood Zone C.
BA-ED-093	Refer to Criterion response 1B	√	V	V	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been iden. The settlement / zoning is therefore within Flood Zone C.
BA-ED-095	Refer to Criterion response 1B	√	V	V	V	V	Refer to Criterion response 3B	Coastal and fluvial flooding emanating from the Crana Riv affects a portion of the site in the 1 in 100 fluvial or 1 in 20 coastal event, therefore, the lands are within Flood Zone A
BA-ED-096	Refer to Criterion response 1B	·	·	V	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been ider The settlement / zoning is therefore within Flood Zone C.
BA-ED-097	Refer to Criterion response 1B	V	V	V	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been ider The settlement / zoning is therefore within Flood Zone C.
BA-ED-098	Refer to Criterion	/	·	V	V	/	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been iden. The settlement / zoning is therefore within Flood Zone C.
BA-ED-099	response 1B Refer to	✓	/	/	/	/	Refer to	No indicators of coastal or fluvial flood risk have been iden

Zone	<u></u>			ation Test				Additional Comments
DA 50 155	1 Defeate	2i	2ii	2iii	2iv	2v	3 Defents	No ballantary of an all 10 and
BA-ED-100	Refer to Criterion	√		/			Refer to Criterion	No indicators of coastal or fluvial flood risk have been id The settlement / zoning is therefore within Flood Zone C
BA-ED-101	response 1B Refer to Criterion	√	V	V	V	✓	response 3A Refer to Criterion	Coastal flooding affects a portion of the site in the 1 in or 1 in 200 year coastal event, therefore, the lands are very
BA-ED-102	response 1B Refer to	✓	✓	✓	√	✓	response 3B Refer to	Flood Zone A. Coastal flooding affects a portion of the site in the 1 in
BA-ED-103	Criterion response 1B Refer to		· ·	V	✓	· ·	Criterion response 3B Refer to	or 1 in 200 year coastal event, therefore, the lands are virtual Flood Zone A. Coastal flooding affects a portion of the site in the 1 in
<i>D</i> , (<i>D</i>) 100	Criterion response 1B						Criterion response 3B	or 1 in 200 year coastal event, therefore, the lands are very Flood Zone A.
BA-ED-104	Refer to Criterion	/	/	√	✓	/	Refer to Criterion	Coastal and fluvial flooding emanating from the Crana F affects a portion of the site in the 1 in 100 fluvial or 1 in
BA-ED-110	response 1B Refer to Criterion	/	V	V	V	✓	response 3B Refer to Criterion	coastal event, therefore, the lands are within Flood Zon- Coastal flooding and fluvial flooding affects a portion of the 1 in 100 fluvial or 1 in 200 year coastal event, therefore
BA-GE-001	response 1B Refer to	✓	V	√	V	✓	response 3B Refer to	lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been in
BA-GE-002	Criterion response 1B Refer to	·	V	✓	V	V	Criterion response 3A Refer to	The settlement / zoning is therefore within Flood Zone (No indicators of coastal or fluvial flood risk have been in
DA 05 000	Criterion response 1B						Criterion response 3A	The settlement / zoning is therefore within Flood Zone (
BA-GE-003	Refer to Criterion response 1B	/	<i>V</i>		V		Refer to Criterion response 3B	Coastal and fluvial flooding affects a portion of the site 1000 fluvial or 1 in 1000 year coastal event, therefore, t are within Flood Zone B. The site is currently developed with the proposed zoning.
BA-LER-001	Refer to Criterion	V	V	V	V	√	Refer to Criterion	Coastal flooding and fluvial flooding affects a portion of the 1 in 100 fluvial or 1 in 200 year coastal event, there
BA-LER-002	response 1B Refer to Criterion	✓	V	✓	V	V	response 3B Refer to Criterion	lands are within Flood Zone A. Coastal flooding and fluvial flooding affects a portion of the 1 in 100 fluvial or 1 in 200 year coastal event, there
BA-LER-003	response 1B Refer to	·	V	V	✓	√	response 3B Refer to	lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been in
BA-LER-004	Criterion response 1B		./		./	· ·	Criterion response 3A Refer to	The settlement / zoning is therefore within Flood Zone (
	Refer to Criterion response 1B	ν	,	,	,		Criterion response 3B	Coastal flooding and fluvial flooding affects a portion of the 1 in 100 fluvial or 1 in 200 year coastal event, there lands are within Flood Zone A.
BA-LER-044 / BA-LER-005	Refer to Criterion	/	<u> </u>	V	V	V	Refer to Criterion response 3B	Coastal flooding and fluvial flooding affects a portion of the 1 in 100 fluvial or 1 in 200 year coastal event, there lands are within Flood Zone A.
BA-LER-006	response 1B Refer to Criterion	✓	~	✓	✓	V	Refer to Criterion	No indicators of coastal or fluvial flood risk have been in The settlement / zoning is therefore within Flood Zone (
BA-LER-007	response 1B Refer to Criterion	√	~	✓	V	√	response 3A Refer to Criterion	No indicators of coastal or fluvial flood risk have been in the settlement / zoning is therefore within Flood Zone (
BA-LER-008	response 1B Refer to	✓	V	V	✓	√	response 3A Refer to	No indicators of coastal or fluvial flood risk have been in
BA-LER-011	Criterion response 1B Refer to	·	V	✓	V	√	Criterion response 3A Refer to	The settlement / zoning is therefore within Flood Zone (Coastal flooding and fluvial flooding affects a portion of
	Criterion response 1B			·		· ·	Criterion response 3B	the 1 in 100 fluvial or 1 in 200 year coastal event, there lands are within Flood Zone A.
BA-LER-012	Refer to Criterion response 1B	<i>Y</i>					Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been in The settlement / zoning is therefore within Flood Zone (
BA-LER-013	Refer to Criterion	V	~	✓	V	√	Refer to Criterion	No indicators of coastal or fluvial flood risk have been in The settlement / zoning is therefore within Flood Zone (
BA-LER-014	response 1B Refer to Criterion	/	~	V	V	✓	response 3A Refer to Criterion	No indicators of coastal or fluvial flood risk have been in The settlement / zoning is therefore within Flood Zone (
BA-LER-015	response 1B Refer to	·	~	✓	✓	✓	response 3A Refer to	Coastal flooding and fluvial flooding affects a portion of
	Criterion response 1B						Criterion response 3B	the 1 in 100 fluvial or 1 in 200 year coastal event, there lands are within Flood Zone A. Flooding is only at perip site.
BA-LER-016	Refer to Criterion	V	V	✓	V	V	Refer to Criterion	No indicators of coastal or fluvial flood risk have been in The settlement / zoning is therefore within Flood Zone
BA-LER-017	response 1B Refer to Criterion	V	~	✓	V	√	response 3A Refer to Criterion	Coastal flooding and fluvial flooding affects a portion of the 1 in 100 fluvial or 1 in 200 year coastal event, there
BA-LER-018	response 1B Refer to	·	V	V	√	✓	response 3B Refer to	lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been in
BA-LER-019	Criterion response 1B Refer to	·	V	V	✓	√	Criterion response 3A Refer to	The settlement / zoning is therefore within Flood Zone (Coastal flooding and fluvial flooding affects a portion of
	Criterion response 1B						Criterion response 3B	the 1 in 100 fluvial or 1 in 200 year coastal event, there lands are within Flood Zone A.
BA-LER-020	Refer to Criterion response 1B	~			V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been in The settlement / zoning is therefore within Flood Zone (
BA-LER-021	Refer to Criterion	√	V	√	V	V	Refer to Criterion	No indicators of coastal or fluvial flood risk have been in The settlement / zoning is therefore within Flood Zone (
BA-LER-023	response 1B Refer to Criterion	✓	V	✓	V	√	response 3A Refer to Criterion	No indicators of coastal or fluvial flood risk have been in the settlement / zoning is therefore within Flood Zone (
BA-LER-024	response 1B Refer to	✓	✓	✓	✓	√	response 3A Refer to	No indicators of coastal or fluvial flood risk have been in
	Criterion response 1B						Criterion response 3A	The settlement / zoning is therefore within Flood Zone (
BA-LER-025	Refer to Criterion response 1B	V	/	V	/	~	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been in The settlement / zoning is therefore within Flood Zone (
				V	✓	V	Refer to	No indicators of coastal or fluvial flood risk have been in
BA-LER-026	Refer to Criterion	✓	'				Criterion	The settlement / zoning is therefore within Flood Zone (
BA-LER-026 BA-LER-027		· ·	, , , , , , , , , , , , , , , , , , ,	· ·	· ·	· ·		The settlement / zoning is therefore within Flood Zone C No indicators of coastal or fluvial flood risk have been id

			luctific	otion Tost	Critorian			Additional Comments
n Zone	1	2i	Justific 2ii	ation Test 2iii	2iv	2v	3	Additional Comments
BA-LER-029	Refer to Criterion	<i>ZI</i> ✓	ZII ✓	<i>∠</i> 111	2IV		Refer to Criterion	No indicators of coastal or fluvial flood risk have been identified
BA-LER-030	response 1B Refer to	V	~	✓	~	✓	response 3A Refer to	The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified.
BA-LER-031	Criterion response 1B Refer to	✓	·	✓	✓	√	Criterion response 3A Refer to	The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified
BA-LER-032	Criterion response 1B Refer to	·	/				Criterion response 3A Refer to	The settlement / zoning is therefore within Flood Zone C. Coastal flooding and fluvial flooding affects a portion of the site
	Criterion response 1B		,	,	·	_	Criterion response 3B	the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BA-LER-033	Refer to Criterion response 1B	~		V		✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding affects a portion of the site the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BA-LER-035	Refer to Criterion	V	V	/	V	√	Refer to Criterion	No indicators of coastal or fluvial flood risk have been identified The settlement / zoning is therefore within Flood Zone C.
BA-LER-037	response 1B Refer to Criterion	V	~	·	·	√	response 3A Refer to Criterion	Coastal flooding and fluvial flooding affects a portion of the site the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the
BA-LER-038	response 1B Refer to Criterion	V	~	✓	·	✓	response 3B Refer to Criterion	lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified The settlement / zoning is therefore within Flood Zone C.
BA-LER-039	response 1B Refer to	✓	✓	√	✓	√	response 3A Refer to	No indicators of coastal or fluvial flood risk have been identified
BA-LER-040	Criterion response 1B Refer to	V	✓	✓	V	✓	Criterion response 3A Refer to	The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified
BA-LER-041	Criterion response 1B Refer to	·	/		/	· /	Criterion response 3A Refer to	The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified
	Criterion response 1B	·			·		Criterion response 3A	The settlement / zoning is therefore within Flood Zone C.
BA-LER-043	Refer to Criterion response 1B	~		~		~	Refer to Criterion response 3B	Coastal flooding and fluvial flooding affects a portion of the site the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BA-OSR-026 / BA-LER-039	Refer to Criterion response 1B	·	~	V	<i>-</i>	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified The settlement / zoning is therefore within Flood Zone C.
BA-OSR-001	Refer to Criterion response 1B	✓	✓	✓	✓	√	Refer to Criterion response 3B	Fluvial flooding emanating from the Lisfannan River, the Ludda River, the Ballymacarry Lower River and the Owenkillew River i Flood Zone Affects a portion of the site. Coastal flooding in Floor
BA-OSR-002	Refer to Criterion response 1B	√	✓	√	✓	✓	Refer to Criterion response 3B	Zone A affects a portion of the site. Fluvial flooding emanating from the River Mill [Donegal] affects portion of the site in the 1 in 1000 year event, therefore, the lar are within Flood Zone B. Coastal flooding affects a portion of the site in the 1 in 200 year coastal event, therefore, the lands are
BA-OSR-003	Refer to Criterion response 1B	·	·	/	~	✓	Refer to Criterion response 3B	within Flood Zone A Coastal and fluvial flooding emanating from the Crana River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the peripheral
BA-OSR-004	Refer to Criterion	V	V	·	V	√	Refer to Criterion	of the site and flood risk can be appropriately managed. Coastal and fluvial flooding emanating from the Crana River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 years.
BA-OSR-005	Refer to Criterion response 1B	·	~	·	·	√	response 3B Refer to Criterion response 3B	coastal event, therefore, the lands are within Flood Zone A. Coastal flooding and fluvial flooding emanating from the Owenkillew River affects a portion of the site in the 1 in 100 fluvor 1 in 200 year coastal event, therefore, the lands are within
BA-OSR-006	Refer to Criterion	✓	V	√	✓	V	Refer to Criterion	Flood Zone A. Coastal and fluvial flooding emanating from the Crana River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 years.
BA-OSR-007	response 1B Refer to Criterion	V	~	/	~	/	response 3B Refer to Criterion	coastal event, therefore, the lands are within Flood Zone A. Coastal and fluvial flooding emanating from the Crana River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 years.
BA-OSR-008	response 1B Refer to Criterion	/	/	V	·	V	response 3B Refer to Criterion	coastal event, therefore, the lands are within Flood Zone A. Coastal and fluvial flooding emanating from the Crana River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 years.
BA-OSR-009	response 1B Refer to Criterion response 1B	V	/	V	✓	V	response 3B Refer to Criterion response 3B	coastal event. therefore, the lands are within Flood Zone A. Coastal flooding and Fluvial flooding emanating from the River [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone
BA-OSR-010	Refer to Criterion response 1B	V	~	√	~	√	Refer to Criterion response 3B	Coastal and fluvial flooding emanating from the Crana River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 ye coastal event, therefore, the lands are within Flood Zone A.
BA-OSR-011	Refer to	√	/		/	√	Refer to	Coastal flooding and Fluvial flooding emanating from the River
	Criterion response 1B		ľ	·		V	Criterion response 3B	[Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200
BA-OSR-012		✓	·	·	~	· ·		[Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone. Coastal flooding and Fluvial flooding emanating from the River [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200
BA-OSR-012 BA-OSR-013	response 1B Refer to Criterion response 1B Refer to Criterion	V	ŕ	ŕ	ŕ	,	Refer to Criterion response 3B Refer to Criterion	[Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone. Coastal flooding and Fluvial flooding emanating from the River [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone.
	response 1B Refer to Criterion response 1B Refer to Criterion response 1B Refer to Criterion	·	·	· ·	· ·	·	response 3B Refer to Criterion response 3B Refer to Criterion response 3A Refer to Criterion	[Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone at Coastal flooding and Fluvial flooding emanating from the River [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone at No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BA-OSR-013	response 1B Refer to Criterion	✓ ·	· · · · · · · · · · · · · · · · · · ·	V	· · · · · · · · · · · · · · · · · · ·	V	response 3B Refer to Criterion response 3B Refer to Criterion response 3A Refer to Criterion response 3A Refer to Criterion response 3A Refer to Criterion	[Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone. Coastal flooding and Fluvial flooding emanating from the River [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BA-OSR-013 BA-OSR-014	response 1B Refer to Criterion	V	V	V	· · · · · · · · · · · · · · · · · · ·	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	response 3B Refer to Criterion response 3B Refer to Criterion response 3A Refer to Criterion	[Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone Coastal flooding and Fluvial flooding emanating from the River [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BA-OSR-013 BA-OSR-014 BA-OSR-015	response 1B Refer to Criterion response 1B Refer to	V V	~	V V	· · · · · · · · · · · · · · · · · · ·	V V	response 3B Refer to Criterion response 3B Refer to Criterion response 3A Refer to	[Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone. Coastal flooding and Fluvial flooding emanating from the River [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. Coastal flooding and Fluvial flooding emanating from the River [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200
BA-OSR-013 BA-OSR-014 BA-OSR-015 BA-OSR-016	response 1B Refer to Criterion	V V	V V	V V			Refer to Criterion response 3B Refer to Criterion response 3A Refer to Criterion	[Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone and Coastal flooding and Fluvial flooding emanating from the River [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone and No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.

nı Zone			Justific	ation Test	Criterion			Additional Comments
BA-OSR-020	Refer to Criterion	2i ~	2ii	2iii ✓	2iv	2v	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BA-OSR-021	Refer to Criterion response 1B	√	√	√	V	V	Refer to Criterion response 3B	Coastal and fluvial flooding emanating from the Crana River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 y coastal event, therefore, the lands are within Flood Zone A.
BA-OSR-022	Refer to Criterion response 1B	V	√	V	√	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BA-OSR-023	Refer to Criterion response 1B	√	V	√	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BA-OSR-024	Refer to Criterion response 1B	V	V	√	/	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BA-OSR-025	Refer to Criterion response 1B	√	√	V	V	V	Refer to Criterion response 3B	Coastal and fluvial flooding emanating from the Crana River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 y coastal event, therefore, the lands are within Flood Zone A.
BA-OSR-026	Refer to Criterion response 1B	V	V	√	√	V	Refer to Criterion response 3B	Coastal and fluvial flooding emanating from the Crana River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 y coastal event, therefore, the lands are within Flood Zone A.
BA-OSR-027	Refer to Criterion response 1B	√	V	√	√	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identification. The settlement / zoning is therefore within Flood Zone C.
BA-OSR-028	Refer to Criterion response 1B	√	V	√	√	V	Refer to Criterion response 3B	Fluvial flooding emanating from the Lisfannan River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coas event, therefore, the lands are within Flood Zone A.
BA-OSR-029	Refer to Criterion response 1B	V	✓	√	√	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-OSR-030	Refer to Criterion response 1B	√	V	√	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-OSR-031	Refer to Criterion response 1B	√	√	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-OSR-032	Refer to Criterion response 1B	√	✓	√	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-OSR-033	Refer to Criterion response 1B	✓	/	~	/	/	Refer to Criterion response 3B	Coastal flooding and Fluvial flooding emanating from the Riv [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 20 year coastal event, therefore, the lands are within Flood Zon
BA-OSR-034	Refer to Criterion response 1B	✓	✓	✓	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified The settlement / zoning is therefore within Flood Zone C.
BA-OSR-035	Refer to Criterion response 1B	√	V	V	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified The settlement / zoning is therefore within Flood Zone C.
BA-OSR-036	Refer to Criterion response 1B	√	✓	✓	√	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-OSR-037	Refer to Criterion response 1B	V	V	V	/	V	Refer to Criterion response 3B	Coastal and fluvial flooding emanating from the Crana River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 coastal event. therefore, the lands are within Flood Zone A.
BA-OSR-038	Refer to Criterion response 1B	V	V	/	/	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-OSR-039	Refer to Criterion response 1B	V	V	V	<i>'</i>	V	Refer to Criterion response 3B	Fluvial flooding emanating from the Ballymacarry Lower Rive affects a portion of the site in the 1 in 100 fluvial or 1 in 200 coastal event, therefore, the lands are within Flood Zone A.
BA-OSR-040	Refer to Criterion response 1B	V	<i>'</i>	·	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identife The settlement / zoning is therefore within Flood Zone C.
BA-OSR-041	Refer to Criterion response 1B	V	<i>'</i>	V	<i>'</i>	V	Refer to Criterion response 3B	Fluvial flooding emanating from the Lisfannan River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coasevent, therefore, the lands are within Flood Zone A.
BA-OSR-042	Refer to Criterion response 1B	V	V	V	·	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identife. The settlement / zoning is therefore within Flood Zone C.
BA-OSR-043	Refer to Criterion response 1B	<i>\</i>	V		Y	V	Refer to Criterion response 3A Refer to	No indicators of coastal or fluvial flood risk have been identife. The settlement / zoning is therefore within Flood Zone C.
	Refer to Criterion response 1B	·	ľ	·	, v		Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Owenkillew River and the Crana River affects a portion of the in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore lands are within Flood Zone A.
BA-OSR-045	Refer to Criterion response 1B	V	~	~		✓ ·	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Owenkillew River and the Crana River affects a portion of the in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore lands are within Flood Zone A.
BA-OSR-046	Refer to Criterion response 1B	V	V	V	V	√	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Owenkillew River affects a portion of the site in the 1 in 100 or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BA-OSR-047	Refer to Criterion response 1B	V	V	√	V	V	Refer to Criterion response 3B	Coastal flooding and fluvial flooding affects a portion of the state 1 in 100 fluvial or 1 in 200 year coastal event, therefore, lands are within Flood Zone A.
BA-OSR-049	Refer to Criterion response 1B	✓	√	√	√	V	Refer to Criterion response 3B	Coastal flooding and fluvial flooding affects a portion of the state 1 in 100 fluvial or 1 in 200 year coastal event, therefore, lands are within Flood Zone A.
BA-OSR-050	Refer to Criterion response 1B	√	√	√	V	V	Refer to Criterion response 3B	Coastal flooding and fluvial flooding affects a portion of the state 1 in 100 fluvial or 1 in 200 year coastal event, therefore, lands are within Flood Zone A.
BA-OSR-051	Refer to Criterion response 1B	V	V	V	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BA-OSR-061	Refer to Criterion response 1B	V	V	V	/	<i>'</i>	Refer to Criterion response 3B	Fluvial flooding emanating from the Luddan River affects a pof the site in the west in the 1 in 1000 year event, therefore, lands are within Flood Zone B.
BA-NRES-002	Refer to Criterion response 1B	✓		√		'	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-NRES-003	Refer to	✓	/	√	✓	✓	Refer to	No indicators of coastal or fluvial flood risk have been identif

n Zone				ation Test				Additional Comments
BA-NRES-005	1 Refer to Criterion	2i ✓	2ii ✓	2iii ✓	2iv ✓	2v	Refer to Criterion	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-NRES-006	response 1B Refer to Criterion	✓	V	✓	✓	V	response 3A Refer to Criterion	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-NRES-007	response 1B Refer to Criterion	√	√	√	✓	√	response 3A Refer to Criterion	No indicators of coastal or fluvial flood risk have been identif The settlement / zoning is therefore within Flood Zone C.
BA-NRES-013	response 1B Refer to Criterion	√	✓	V	√	√	response 3A Refer to Criterion	Coastal flooding and fluvial flooding affects a portion of the the 1 in 100 fluvial or 1 in 200 year coastal event, therefore,
DA MESO OLA	response 1B						response 3B	lands are within Flood Zone A. Sources consulted indicate to flooding is limited to the periphery of the site and flood risk of appropriately managed.
BA-NRES-014	Refer to Criterion response 1B	•	<i>V</i>	·		~	Refer to Criterion response 3B	Coastal flooding and fluvial flooding affects a portion of the the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, lands are within Flood Zone A. Sources consulted indicate t flooding is limited to the periphery of the site and flood risk of appropriately managed.
BA-NRES-016	Refer to Criterion response 1B	~	~	~		~	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been idention. The settlement / zoning is therefore within Flood Zone C.
BA-NRES-018	Refer to	√	✓	√	√	✓	Refer to	Coastal flooding and fluvial flooding affects a portion of the
	Criterion response 1B						Criterion response 3B	the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, lands are within Flood Zone A. Sources consulted indicate t flooding is limited to the periphery of the site and flood risk appropriately managed
BA-NRES-019	Refer to Criterion response 1B	/	/	✓	√	·	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified The settlement / zoning is therefore within Flood Zone C.
BA-NRES-023	Refer to Criterion response 1B	✓	~	√	/	·	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been idention. The settlement / zoning is therefore within Flood Zone C.
BA-NRES-024	Refer to Criterion response 1B	√	√	√	√	√	Refer to Criterion response 3B	Coastal flooding and fluvial flooding affects a portion of the the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, lands are within Flood Zone A.
BA-NRESP1- 001	Refer to Criterion response 1B	√	✓	V	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been idention. The settlement / zoning is therefore within Flood Zone C.
BA-NRESP1- 008	Refer to Criterion response 1B	✓	√	√	√	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identional The settlement / zoning is therefore within Flood Zone C.
BA-NRESP1- 009	Refer to Criterion response 1B	√	√	√	✓	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified the settlement / zoning is therefore within Flood Zone C.
BA-NRESP1- 010	Refer to Criterion response 1B	/	/	V	√	/	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been ident The settlement / zoning is therefore within Flood Zone C.
BA-NRESP1- 011	Refer to Criterion response 1B	~	~	~	V	V	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Cra River affects a portion of the site in the 1 in 100 fluvial or 1 i year coastal event, therefore, the lands are within Flood Zor Sources consulted indicate that flooding is limited to the per of the site and flood risk can be appropriately managed.
BA-NRESP1- 012	Refer to Criterion response 1B	V	V	V	/	~	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been idention. The settlement / zoning is therefore within Flood Zone C.
BA-NRESP1- 017	Refer to Criterion response 1B	✓	V	√	√	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been idention. The settlement / zoning is therefore within Flood Zone C.
BA-NRESP1- 020	Refer to Criterion response 1B	√	V	V	V	V	Refer to Criterion response 3B	Coastal flooding and fluvial flooding affects a portion of the the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, lands are within Flood Zone A.
BA-NRESP1- 022	Refer to Criterion response 1B	√	√	√	V	V	Refer to Criterion response 3B	Coastal flooding and fluvial flooding affects a portion of the the 1 in 100 fluvial or 1 in 200 year coastal event, therefore lands are within Flood Zone A.
BA-NRESP1- 026	Refer to Criterion response 1B	√	V	√	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been idention. The settlement / zoning is therefore within Flood Zone C.
BA-NRESP1- 027	Refer to Criterion response 1B	/	~	√	√	'	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified the settlement / zoning is therefore within Flood Zone C.
BA-NRESP1- 025	Refer to Criterion response 1B	√	√	√	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been idention. The settlement / zoning is therefore within Flood Zone C.
BA-OPS-001	Refer to Criterion response 1B	~	V	V	V	✓	Refer to Criterion response 3B	Coastal flooding affects a portion of the site in the 1 in 100 or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is lift to the periphery of the site and flood risk can be appropriate managed.
BA-OPS-002	Refer to Criterion response 1B	V	~	/	/	V	Refer to Criterion response 3B	Fluvial flooding emanating from the Crana River affects a poof the site in the 1 in 100 fluvial or 1 in 200 year coastal eventherefore, the lands are within Flood Zone A. Sources constinuicate that flooding is limited to the periphery of the site are
BA-OPS-003	Refer to Criterion response 1B	√	V	V	V	V	Refer to Criterion response 3A	flood risk can be appropriately managed. No indicators of coastal or fluvial flood risk have been idention. The settlement / zoning is therefore within Flood Zone C.
BA-OPS-004	Refer to Criterion response 1B	V	~	√	V	V	Refer to Criterion response 3B	Coastal and fluvial flooding emanating from the Crana Rive affects a portion of the site in the 1 in 100 fluvial or 1 in 200 coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the per of the site and flood risk can be appropriately managed.
BA-OPS-007	Refer to Criterion response 1B	V	V	✓	✓	~	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identi The settlement / zoning is therefore within Flood Zone C.
BA-RA-016	Refer to Criterion response 1B	√	√	√	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identional The settlement / zoning is therefore within Flood Zone C.
		✓	✓	√	✓	✓	Refer to	No indicators of coastal or fluvial flood risk have been identi
BA-RA-022	Refer to Criterion response 1B						Criterion response 3A	The settlement / zoning is therefore within Flood Zone C.

ent	Zone			Justific	ation Test	Criterion			Additional Comments
		1	2i	2ii	2iii	2iv	2v	3	7
В	3A-SCS-001	Refer to	✓	✓	√	✓	√	Refer to	Coastal and fluvial flooding affects a portion of the site in the 1
		Criterion						Criterion	100 fluvial or 1 in 200 year coastal event, therefore, the lands ar
		response 1B						response 3B	within Flood Zone A.
В	3A-SRR-001	Refer to	√	√	✓	√	√	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
		response 1B						response 3A	
В	3A-SRR-002	Refer to	√	√	✓	✓	√	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
		response 1B						response 3A	3
В	3A-SRR-003	Refer to	√	√	✓	√	√	Refer to	Coastal flooding and Fluvial flooding emanating from the River
		Criterion						Criterion	Owenkillew affects a portion of the site in the 1 in 100 fluvial or 1
		response 1B						response 3B	in 200 year coastal event, therefore, the lands are within Flood
									Zone A. Sources consulted indicate that flooding is limited to the
									periphery of the site and flood risk can be appropriately managed
L		Defende						Defeate	No. 1. Produces of considering the Salabase Library Const.
B	8A-SRR-004	Refer to	√	~	✓	·	/	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
F	24 000 000	response 1B						response 3A	No. 2 of Production of Association (I. 2 of Grand State Inc. of Grand State Inc. of Association (I. 2 of Grand State Inc. of Grand S
B	8A-SRR-006	Refer to	√	~	✓	·	/	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
F		response 1B						response 3A	
B	8A-SRR-007	Refer to	√	~	·	·	/	Refer to	No indicators of coastal or fluvial flood risk have been identified.
		Criterion						Criterion	The settlement / zoning is therefore within Flood Zone C.
-		response 1B						response 3A	
B	BA-TC-001	Refer to	√	~	✓	_	/	Refer to	Coastal flooding and fluvial flooding emanating from the River M
		Criterion						Criterion	[Donegal] and the Crana River affects a portion of the site in the
		response 1B						response 3B	in 100 fluvial or 1 in 200 year coastal event, therefore, the lands
									are within Flood Zone A.

0.44		 		1					Lura 10
Settlement	Zone	1	2i	Justific 2ii	cation Test 2iii	Criterion 2iv	2v	3	Additional Comments
Bundoran	BN-BE-001	Refer to	ZI ✓	<u> </u>	ZIII √	2IV ✓			Fluvial flooding emanating from the Drowes River
Bundoran	BN-BE-001	Criterion response 1C	·	ŕ	ŕ	ŕ	·	response 3B	affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can
	BN-BE-003	Refer to Criterion	/	√	√	√	√	response 3A	he appropriately managed No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within
	BN-BE-004	response 1C Refer to	√	✓	√	√	√		Flood Zone C. Fluvial flooding emanating from the Bradoge River
		Criterion response 1C						response 3B	affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BN-BE-005	Refer to Criterion response 1C	√	/	/	√	√	Refer to Criterion response 3B	Fluvial flooding emanating from the Bradoge River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BN-BE-006	Refer to Criterion response 1C	V	V	V	V	V	response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-CI-001	Refer to Criterion response 1C	V	√	√	√	✓	response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-CI-002	Refer to	✓	✓	√	√	✓	Refer to Criterion	No indicators of coastal or fluvial flood risk have been
		Criterion						response 3A	identified. The settlement / zoning is therefore within
	BN-CI-003	Refer to Criterion response 1C	/	/	/	/	V	response 3B	Flood Zone C. Coastal flooding and fluvial flooding emanating from the Bragoge River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. The site is currently developed in line with the proposed zoning.
	BN-CI-004	Refer to Criterion response 1C	V	√	√	/	√	response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-CI-005	Refer to Criterion response 1C	/	✓	√	√	√	Refer to Criterion	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-CMZ-001	TESPONSO TO			N/A				Coastal flooding and fluvial flooding emanating from the North Atlantic Ocean affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event,
	BN-CMZ-002				N/A				therefore, the lands are within Flood Zone A. Coastal flooding and fluvial flooding emanating from the North Atlantic Ocean affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event,
	BN-CMZ-003				N/A	therefore, the lands are within Flood Zone A. Coastal flooding and fluvial flooding emanating from the North Atlantic Ocean affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event,			
	BN-CMZ-004				N/A				therefore, the lands are within Flood Zone A. Coastal flooding and fluvial flooding emanating from the North Atlantic Ocean affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event,
	BN-CP-001	Refer to Criterion response 1C	V	V	V	V	V	Refer to Criterion response 3A	therefore, the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-CP-002	Refer to Criterion response 1C	V	√	√	√	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-CP-003	Refer to Criterion response 1C	√	\	\ \	✓	\	Refer to Criterion response 3B	Fluvial flooding emanating from the Drowes River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. The site is currently developed in line with the proposed zoning
	BN-CP-004	Refer to Criterion response 1C	✓	\	\ \	✓	\	response 3B	Fluvial flooding emanating from the Bragoge River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. The site is currently developed in line with the proposed zoning
	BN-CP-005	Refer to Criterion response 1C	√	\ \	\	√	√	response 3B	Coastal and fluvial flooding emanating from the Bragoge_20 (North) River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. The site is currently developed in line with the proposed zoning.
	BN-CP-006	Refer to Criterion response 1C	V	✓	✓	✓	√	response 3B	Fluvial flooding emanating from the Bragoge_20 (North) River affects a portion of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B. The site is currently developed in line with the proposed zoning.
	BN-CP-007	Refer to Criterion response 1C	√	√	\	~	√	response 3B	Coastal and fluvial flooding emanating from the Bragoge_20 (North) River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. The site is currently developed in line with the proposed zoning.
	BN-ED-001	Refer to Criterion response 1C	V	\	\	✓	\	response 3B	Coastal and fluvial flooding emanating from the Bragoge_20 (North) River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-ED-002	Refer to Criterion response 1C	V	V	V	V	√	response 3B	Fluvial flooding emanating from the Bragoge_20 (North) River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-ED-003	Refer to	√	√	√	√	√		No indicators of coastal or fluvial flood risk have been
	BN-ED-004	Criterion response 1C Refer to Criterion	✓	✓	✓	✓	✓	Refer to Criterion	identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within
	BN-ED-005	response 1C Refer to	✓	√	√	√	√	·	Flood Zone C. No indicators of coastal or fluvial flood risk have been
		Criterion response 1C						response 3A	identified. The settlement / zoning is therefore within Flood Zone C.

Settlement	Zone	<u> </u>		Justific	cation Test	Criterion			Additional Comments
Cottiement	20110	1	2i	2ii	2iii	2iv	2v	3	Additional Comments
	BN-ED-006	Refer to Criterion response 1C	✓ /	✓ ×	√	V	✓ ✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Bragoge_20 (North) River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore,
	BN-ED-007	Refer to Criterion response 1C	/	·	V	V	√	Refer to Criterion response 3A	the lands are within Flood Zone A. No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-008	Refer to Criterion response 1C	V	V	✓	✓	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-009	Refer to Criterion response 1C	/	V	V	V	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-010	Refer to Criterion response 1C	/	/	V	V	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-011	Refer to Criterion response 1C	✓	/	√	√	/	response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-012	Refer to Criterion response 1C	✓	√	✓	✓	✓	response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-013	Refer to Criterion response 1C	V	V	√	√	√	response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-014	Refer to Criterion response 1C	V	V	V	V	✓	response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-015	Refer to Criterion response 1C	V	V	V	V		response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-016	Refer to Criterion response 1C	/	V	V	√		response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-017	Refer to Criterion response 1C			✓ ✓	✓ ✓		response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been
	BN-ED-018	Refer to Criterion response 1C	ŕ	<i>'</i>	· /	ŕ		response 3A	identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-019	Refer to Criterion response 1C	·	<i>'</i>	· /	√		response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-020	Refer to Criterion response 1C	·	<i>'</i>	· /	V		response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-021	Refer to Criterion response 1C	·	<i>'</i>	· /	·		response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-022	Refer to Criterion response 1C	·	<i>'</i>	· /	V		response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-023 BN-ED-024	Refer to Criterion response 1C		<i>'</i>	· /	v .		response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
		Refer to Criterion response 1C	· ·	<i>'</i>	· ·	v .		response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been
	BN-ED-025 BN-ED-026	Refer to Criterion response 1C Refer to	· ·	<i>'</i>	· ·	v .		response 3A	identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been
	BN-ED-027	Criterion response 1C			· ·	· ·		response 3A	identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been
	BN-ED-028	Criterion response 1C				, 		response 3A	identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been
	BN-ED-029	Criterion response 1C	,			· ·		response 3A	identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been
	BN-ED-030	Criterion response 1C	,			· ·		response 3A	identified. The settlement / zoning is therefore within Flood Zone C. No indicators of coastal or fluvial flood risk have been
	BN-ED-030	Criterion response 1C			<i>V</i>	v 		response 3A	identified. The settlement / zoning is therefore within Flood Zone C. Fluvial flooding emanating from the Drowes River
		Criterion response 1C		ŕ	ŕ	ŕ		response 3B	affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-ED-032	Refer to Criterion response 1C	V	V	√	√	/	response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-033	Refer to Criterion response 1C	/	/	√	√	/	response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-034	Refer to Criterion response 1C	/	V	√	√	/	response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-035	Refer to Criterion response 1C	V	V	√	√	V	response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-036	Refer to Criterion response 1C	~	✓	√	√	√	response 3B	Fluvial flooding emanating from the Drowes River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-ED-037	Refer to Criterion response 1C	'	'	V	V	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-038	Refer to Criterion response 1C	/	/	V	V	V	Refer to Criterion response 3B	Fluvial flooding emanating from the Megheracar River affects a portion of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.
	BN-ED-039	Refer to Criterion response 1C	Y	V	V	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-040	Refer to Criterion response 1C	✓ <u> </u>	✓ <u> </u>	√	√	√	response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.

t Zone	4 1			cation Tes			1 0	Additional Comments
	1	2i	2ii	2iii	2iv	2v	3	
	Refer to Criterion	√		/	/	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have bidentified. The settlement / zoning is therefore with Flood Zone C.
BN-ED-042	response 1C Refer to Criterion response 1C	√	~	~	~	√	Refer to Criterion response 3B	Fluvial flooding emanating from the Bragoge_20 (North) River affects a portion of the site in the 1 100 fluvial or 1 in 200 year coastal event, therefor
	Refer to Criterion response 1C	✓	V	✓	V	√	Refer to Criterion response 3B	the lands are within Flood Zone A. Coastal and fluvial flooding emanating from the Bragoge_20 (North) River affects a portion of the in the 1 in 100 fluvial or 1 in 200 year coastal ever
DN/ 5D 044	Defeate						Defende Original	therefore, the lands are within Flood Zone A.
	Refer to Criterion response 1C	√				√	Refer to Criterion response 3B	Coastal and fluvial flooding emanating from the Bragoge_20 (North) River affects a portion of the in the 1 in 100 fluvial or 1 in 200 year coastal evel therefore, the lands are within Flood Zone A.
	Refer to Criterion response 1C	√	✓	√	✓	V	response 3A	No indicators of coastal or fluvial flood risk have bidentified. The settlement / zoning is therefore with Flood Zone C.
	Refer to Criterion response 1C		<i>'</i>	<i>'</i>	<i>'</i>		response 3A	identified. The settlement / zoning is therefore wit Flood Zone C.
	Refer to Criterion response 1C	<i>V</i>	V	,	,	<i>V</i>	response 3A	identified. The settlement / zoning is therefore wit Flood Zone C.
	Refer to Criterion response 1C	✓		~	~	\	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have a identified. The settlement / zoning is therefore with Flood Zone C.
BN-ED-050	Refer to Criterion response 1C	√	~	~	~	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have bidentified. The settlement / zoning is therefore with Flood Zone C.
BN-ED-051	Refer to Criterion	√	~	/	~	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have bidentified. The settlement / zoning is therefore with
BN-ED-053	response 1C Refer to Criterion	√	~	/	~	/	Refer to Criterion response 3A	Flood Zone C. No indicators of coastal or fluvial flood risk have be identified. The settlement / zoning is therefore with the settlement is the settlement in the settlement in the settlement is the settlement in the settlement
BN-ED-055	response 1C Refer to Criterion	√	✓	√	✓	V	Refer to Criterion response 3A	Flood Zone C. No indicators of coastal or fluvial flood risk have be identified. The settlement / zoning is therefore with the settlement is the settlement in the settlement in the settlement is the settlement in the settlement in the settlement in the settlement is the settlement in the settlement
	response 1C Refer to	√	/	√	√	√	Refer to Criterion	Flood Zone C. Coastal flooding and fluvial flooding affects a po
	Criterion response 1C						response 3B	of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Floor Zone A.
	Refer to Criterion response 1C	✓	V	√	√	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have to identified. The settlement / zoning is therefore with Flood Zone C.
BN-NRES-006	Refer to Criterion response 1C	√	~	/	~	/	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have bidentified. The settlement / zoning is therefore with Flood Zone C.
BN-NRES-008	Refer to Criterion response 1C	✓	V	V	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have bidentified. The settlement / zoning is therefore with Flood Zone C.
BN-NRES-009	Refer to Criterion response 1C	✓	~	✓	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have bidentified. The settlement / zoning is therefore with Flood Zone C.
BN-NRES-010	Refer to Criterion response 1C	/	~	~	~	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have bidentified. The settlement / zoning is therefore with Flood Zone C.
	Refer to Criterion response 1C	✓	\	✓	\	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have lidentified. The settlement / zoning is therefore with Flood Zone C.
BN-NRESP1-003		✓	✓	✓	✓	✓		No indicators of coastal or fluvial flood risk have to
BN-NRESP1-008		✓	~	✓	~	√		identified. The settlement / zoning is therefore with Flood Zone C. No indicators of coastal or fluvial flood risk have because of the coastal or
BN-NRESP1-011		·	V	V	V	✓	response 3A Refer to Criterion	identified. The settlement / zoning is therefore with Flood Zone C. No indicators of coastal or fluvial flood risk have be
BN-NRESP1-012	Criterion response 1C Refer to	· /	V	V	V	✓	response 3A Refer to Criterion	identified. The settlement / zoning is therefore with Flood Zone C. No indicators of coastal or fluvial flood risk have I
	Criterion response 1C Refer to	✓	·	·	·	√	response 3A Refer to Criterion	identified. The settlement / zoning is therefore with Flood Zone C. No indicators of coastal or fluvial flood risk have I
	Criterion response 1C		·	<u> </u>	·		response 3A	identified. The settlement / zoning is therefore with Flood Zone C.
	Criterion response 1C						response 3A	identified. The settlement / zoning is therefore wire Flood Zone C.
	Criterion response 1C		<i>V</i>	ŕ	·		response 3B	Fluvial flooding affects a portion of the site in the 100 fluvial or 1 in 200 year coastal event, therefore the lands are within Flood Zone A.
	Refer to Criterion response 1C		·	/	/	· ·	response 3A	No indicators of coastal or fluvial flood risk have lidentified. The settlement / zoning is therefore wire flood Zone C.
	Refer to Criterion response 1C	V				√	Refer to Criterion response 3B	Fluvial flooding emanating from the Bradoge_20 (North) River affects a portion of the site in the 1 1000 year event, therefore, the lands are within F Zone B. Sources consulted indicate that flooding limited to the periphery of the site and flood risk of appropriately managed.
				√	✓	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have bidentified. The settlement / zoning is therefore with
BN-OSR-001	Refer to Criterion response 1C	V	V					IFlood Zone C
BN-OSR-001 BN-OSR-002	Criterion response 1C Refer to Criterion	✓ ✓	V	· ·	~	·	Refer to Criterion response 3A	Flood Zone C. No indicators of coastal or fluvial flood risk have be identified. The settlement / zoning is therefore with the settlement is the settlement in the settlement in the settlement is the settlement in the settlement in the settlement is the settlement in the settlement
BN-OSR-001 BN-OSR-002 BN-OSR-003	Criterion response 1C Refer to		ŕ	V	✓	√	response 3A	No indicators of coastal or fluvial flood risk have t

Settlement	Zone			Justifi	cation Tes	t Criterion			Additional Comments
		1	2i	2ii	2iii	2iv	2v	3	
	BN-OSR-005	Refer to Criterion response 1C	V	√	√	V	√	Refer to Criterion response 3B	Fluvial flooding emanating from the Drowes River and the Magheracar River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event,
	BN-OSR-006	Refer to Criterion response 1C	✓	✓	√	✓	✓	Refer to Criterion response 3B	therefore, the lands are within Flood Zone A. Coastal flooding and fluvial flooding emanating from the Bragoge River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore,
	BN-OSR-007	Refer to Criterion response 1C	√	✓	✓	V	/	Refer to Criterion response 3B	the lands are within Flood Zone A. Coastal flooding and fluvial flooding emanating from the Bradoge_20 (North) River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal
	BN-OSR-008	Refer to Criterion response 1C	√	√	√	~	/	Refer to Criterion response 3B	event, therefore, the lands are within Flood Zone A. Coastal flooding and fluvial flooding emanating from the Bragoge River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-OSR-009	Refer to Criterion response 1C	√	✓	✓	V	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-OSR-010	Refer to Criterion response 1C	V	/	~	V	V	Refer to Criterion response 3B	Fluvial flooding emanating from the Bragoge_20 (North) River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-RA-001	Refer to Criterion response 1C	V	V	√	V	V		No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-RA-002	Refer to Criterion response 1C	V	/	√	V	√	Refer to Criterion response 3B	Fluvial flooding affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-RA-003	Refer to Criterion response 1C	V	V	V	V	√	Refer to Criterion response 3B	Fluvial flooding affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-RA-004	Refer to Criterion response 1C	V	V	V	V	V		Fluvial flooding affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-RA-005	Refer to Criterion response 1C	√	√	√	V	✓		No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-RA-006	Refer to Criterion response 1C	V	√	√	V	√		No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-RA-007	Refer to Criterion response 1C	√	/	/	/	/		No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-RA-008	Refer to Criterion response 1C	√	/	/	/	/		No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-RA-009	Refer to Criterion response 1C	√	/	✓	/	✓	Refer to Criterion response 3B	Fluvial flooding affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-T-001	Refer to Criterion response 1C	V	\	V	V	√		No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-T-002	Refer to Criterion response 1C	√	~	~	V	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Bradoge River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BN-UC-001	Refer to Criterion response 1C	√	V	√	V	V	response 3B	Fluvial flooding emanating from the Bradoge_20 (North) River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-UC-002	Refer to Criterion response 1C	√	√	√	V	√		No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-UC-003	Refer to Criterion response 1C	√	V	V	V	V	response 3B	Coastal flooding and fluvial flooding emanating from the Bradoge_20 (North) River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-UC-004	Refer to Criterion response 1C	V	V	V	V	V	response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-UC-005	Refer to Criterion response 1C	√	✓	√	/	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.

				Justific	ation Test	Criterion			
Settlement Ailt an Chorráin	Zone Settlement	Refer to Criterion response 1D	2i ✓	2ii ✓	2iii ✓	2iv	2v	Refer to Criterion response 3B	Additional Comments Fluvial flooding emanating from the River Burtonport affects the southern portion of the zone on the western coast in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.
An Bun Beag - Doirí Beag	Settlement	Refer to Criterion response 1D	√	~	,		~	Refer to Criterion response 3B	Coastal and fluvial flooding affect the north of the settlement overlapping along the Catheen River and the Srath_Caonach affecting L1273 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. In the south west of the settlement coastal and fluvial flooding along the Clady River in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore,
	ST-UC-009	Refer to Criterion response 1D	√	√	√	✓	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-010	Refer to Criterion response 1D	✓	`	~			Refer to Criterion response 3B	Coastal flooding and fluvial flooding affect the north of the settlement overlapping along the Srath Caonach River and the Srath_Caonach affecting L1273 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.F fluvial flooding deriving from the Srath Caonach River affects a portion of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event,
An Charraig (Carrick)	Settlement	Refer to Criterion response 1D	V	`	√	\	V	Refer to Criterion response 3B	Fluvial flooding deriving from the River Glen [Carrick]indicated through the centre of the settlement South of L1125 to the junction of R263 with L1115 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
An Fál Carrach (Falcarragh)	Settlement	Refer to Criterion response 1D	√	`	/	~	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Tullaghobegly River along a small portion (roughly 200m) of the West boundary of the settlement across the N56 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-HA-007	Refer to Criterion response 1D	√	`	\	•	✓ ·	Refer to Criterion response 3B	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-003	Refer to Criterion response 1D	✓	>	V	~	✓	Refer to Criterion response 3B	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Annagry	Settlement	Refer to Criterion response 1D	✓	~	V	V	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Loughanure river along the Glen Road and St Mary's View affects west of the centre of the settlement and areas currently zones in 2018 as 'Amenity' along the north western settlement boundary in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Min_Doire_na_Slua extends to the north of the settlement in the 1 in 100 year fluvial, therefore, the lands are within Flood Zone A.
	ST-HA-006	Refer to Criterion response 1D	V	~	~	~	\	Refer to Criterion response 3B	Fluvial flooding emanating from the Loughanure River along the Glen Road and St Mary's View affects west of the centre of the settlement and the area zoned as High Amenity along the north western settlement boundary in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A
Ardara	Settlement	Refer to Criterion response 1D	✓	V	V	V	✓	Refer to Criterion response 3B	Fluvial flooding along the Owentocker River through the centre of the settlement and along the south east of the settlement boarder within Flood Zone A. Indicated flooding affects areas zoned as 'Urban Core' and 'High Amenity'. Fluvial flooding in the 1 in 1000 year event extents to affect 31-38 Ard Na Gréine in the west of the settlement.
	ST-HA-001	Refer to Criterion response 1D	✓	√	√	√	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-013	Refer to Criterion response 1D	V	>	✓	\	✓	Refer to Criterion response 3B	Fluvial flooding along the Owentocker River through the centre of the settlement and along the South-East of the settlement boundary in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A
Ballintra	Settlement	Refer to Criterion response 1D	V	`	√	~	\	Refer to Criterion response 3B	Fluvial flooding deriving from the Ballintra_37 (Blackwater River) affects the centre of the settlement, South of the R231 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. A proportion of these flood maps are derived from NIFM flood maps
Ballyliffin	Settlement	Refer to Criterion response 1D	√	`	\	/	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Bruckless	Settlement	Refer to Criterion response 1D	√	`	,	\	V	Refer to Criterion response 3B	Fluvial flooding deriving from the Oily River affects the northern portion of the site. No indicators of coastal or fluvial flood risk have been identified in the main, southern portion of the site. Part of the settlement is therefore within Flood Zone A
Burnfoot	Settlement	Refer to Criterion response 1D	✓ ·	\	V	V	/	Refer to Criterion response 3B	Fluvial flooding deriving from the Skeoge River and the river Brunfoot affects the north, west and south of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Indicated flooding affects south of the R238, houses in Líos Na Greíne and Páirc An Grianán in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are
Carrigans	Settlement	Refer to Criterion response 1D	V	·	/	/	V	Refer to Criterion response 3B	Fluvial flooding from the Burn River deriving from the River Foyle affecting dwellings in the South of L8481 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Carrigart	Settlement	Refer to Criterion response 1D	√	~	•	•	√	Refer to Criterion response 3B	Fluvial flooding emanating from the Carrickart river affects the coast on the north western boundary of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

	T			Justific	ation Test	Criterion			
Settlement Castlefinn	Zone Settlement	1 Refer to	2i ✓	2ii ✓	2iii ✓	2iv	2v	3 Refer to	Additional Comments Fluvial flooding from the River Finn affecting the west of
Castienin	Settlement	Criterion response 1D	ř	•	·	,	Ý	Criterion response 3B	Chapel Street to the N15 and west of Raphoe Road to West of R235 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the River Finn affects from the N15 to Emmet Park in the 1 in 1000 year event, therefore, the lands are within Flood Zone R
Cill Charthaigh (Kilcar)	Settlement	Refer to Criterion response 1D	\	√	✓ ·	~	√	Refer to Criterion response 3B	Fluvial flooding deriving from the Glenaddaragh River affects west of Carrick Road and Lower Main Road to Towney Road in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Clonmany	Settlement	Refer to Criterion response 1D	\	√	√	✓	V	Refer to Criterion response 3B	Fluvial flooding deriving from the Clonmany River affects the south boundary of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Clonmany River affects Riverside Park and the southern end of Clonmany Shamrocks FC in the 1 in 1000 year
Convoy	Settlement	Refer to Criterion response 1D	✓	•	•	~	✓	Refer to Criterion response 3B	event therefore the lands are within Flood Zone R Fluvial flooding deriving from the Deele River affecting South of Fountain Terrace, Convoy Reformed Presbyterian Church and areas zoned as 'High Amenity' along the south east and south west settlement boundaries in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Indicated flooding affects between Milltown and Beechwood Grove and North of Carrick Court in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-HA-011	Refer to Criterion response 1D	\	•	V	•	V	Refer to Criterion response 3B	Fluvial flooding deriving from the Deele River affecting south of Fountain Terrace, Convoy Reformed Presbyterian Church and the a portion of High Amenity Zone along the south east and south west settlement boundaries in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Indicated flooding affects between Milltown and Beechwood Grove and north of Carrick Court in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-UC-005	Refer to Criterion response 1D	· ·		V	·	<i>'</i>	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Creeslough	Settlement	Refer to Criterion response 1D	√	V	✓	~	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-HA-012	Refer to Criterion response 1D	~	V			✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-004	Refer to Criterion response 1D	V	V	V	V	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Culdaff	Settlement	Refer to Criterion response 1D	√	/	V	~	√	Refer to Criterion response 3B	Fluvial flooding deriving from the Culdaff River affects West of St Bodens Terrace and North of Main Street in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Doochary	Settlement	Refer to Criterion response 1D	`	~	V	•	V	Refer to Criterion response 3B	Fluvial flooding from Gweebarra River in Flood Zone A affects north of R252 along the settlement boundary in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from Gweebarra River affects north of Radharc an Séipeal in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.
Drumkeen	Settlement	Refer to Criterion response 1D	√	✓	√	~	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Dunfanaghy	Settlement	Refer to Criterion response 1D	\	V	V	~	~	Refer to Criterion response 3B	Coastal flooding affects areas zoned as 'Urban Centre' and 'High Amenity' in the north of the settlement in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Dunfanaghy river along the east and north boundaries of the settlement, affecting the N56 and the area zoned in 2018 as 'Town Centre' and 'Amenity' in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from New Lake affects the southern corner of the settlement along the N56 in the 1 in 100 year fluvial event, therefore the lands are within Flood Zone A.
	ST-HA-002	Refer to Criterion response 1D	√	~			✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding from the Dunfanaghy River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-T-001	Refer to Criterion response 1D	√	/	√	/	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-012	Refer to Criterion response 1D	√	V	V	~	√	Refer to Criterion response 3B	Coastal flooding and fluvial flooding from the Dunfanaghy River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Dunkineely	Settlement	Refer to Criterion response 1D	√	√	√	V	V	Refer to Criterion	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Fahan	Settlement	Refer to Criterion response 1D	V	V	√	~	V	Refer to Criterion response 3B	Fluvial flooding derived from the Carrontlieve River and the Glebe Large River affects a portion of the settlement in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the
Fintown	Settlement	Refer to Criterion response 1D	√	V	/	~	V	Refer to Criterion response 3A	lands are within Flood Zone A. The southern boundary of the Fintown settlement runs parallel to the floodplain of the Fin river for approximately 1km. Nonetheless, no indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.
Frosses	Settlement	Refer to Criterion response 1D	√	V	V	V	√	Refer to Criterion response 3B	Recurring flooding has been recorded in Frosses (OPW National Flood Hazard Mapping). However, no details are currently available. A precautionary approach in line with the OPW guidelines should be undertaken when proposing any development within the settlement

				Justific	ation Test	Criterion			
Settlement Gleann Cholm Cille	Zone Settlement	1 Potente	2i	2ii	2iii	2iv	2v	3 Pofor to	Additional Comments Fluvial flooding, derived from the Murlin Diver effects the
Gleann Choim Cille	Settlement	Refer to Criterion response 1D	V	<i>V</i>	`	V	V	Refer to Criterion response 3B	Fluvial flooding, derived from the Murlin River affects the north-east of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore the lands are within Flood Zone A.
Gleneely	Settlement	Refer to Criterion response 1D	✓	✓	>	\	✓	Refer to Criterion response 3B	Fluvial flooding derived from the Culduff River affects the west of Fox Wood in the west of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Glenties	Settlement	Refer to Criterion response 1D	V	✓	~	✓		Refer to Criterion response 3B	Fluvial flooding derived from the Stracashel River affects areas zoned as 'High Amenity' and 'Urban Core' in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Gortnamucklagh_38 river affects the western boundary of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the Gortnamucklagh_38 river extends across Clós Naomh Chonaill to join fluvial flooding derived from the Stracashel River in the 1 in 1000 year event, therefore, the lands are
	ST-HA-003	Refer to Criterion response 1D	~	✓	\	\	√	Refer to Criterion response 3B	Fluvial flooding derived from the Stracashel River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-UC-017	Refer to Criterion response 1D	V	√	/	/	√	Refer to Criterion response 3B	Fluvial flooding derived from the Stracashel River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Gort an Choirce	Settlement	Refer to Criterion response 1D	√	√	>	~	√	Refer to Criterion response 3B	Fluvial flooding from the Glenna River and Gortahork River as indicated along the north western settlement boundary in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Greencastle	Settlement	Refer to Criterion response 1D	√	√	~	~	√	Refer to Criterion response 3B	Fluvial flooding deriving from the Greencastle River along the coastal boundary of the settlement affects a portion of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Kerrykeel	Settlement	Refer to Criterion response 1D	V	✓	✓	~	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Burnside River affecting Ford Garden, Bun Na Druid affects a portion of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Killea	Settlement	Refer to Criterion response 1D	V	✓	V	✓	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Killygordon	Settlement	Refer to Criterion response 1D	✓	/	`	\ \	\	Refer to Criterion response 3B	Fluvial flooding emanating from the River Finn affects the site along Dromore Road and the Cross Roads (Stream) affects the south of the settlement South Creamery Road in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Kilmacrennan	Settlement	Refer to Criterion response 1D	V	V	`	`	V	Refer to Criterion response 3B	Fluvial flooding from Lurgy River affects the N56 in the north west of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the Leannan River affects the South of Lennon View and the South of The Racecourse in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Laghy	Settlement	Refer to Criterion response 1D	✓	V	/	·	V	Refer to Criterion response 3B	Fluvial flooding deriving from the Laghy (Stream) affecting east of the N15, north of R232 and south Rathneeny Park in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Lifford	Settlement	Refer to Criterion response 1D	√	√	`	\	V	Refer to Criterion response 3B	Fluvial flooding deriving from the River Finn affecting areas zoned as 'High Amenity', 'Opportunity Sites', 'Community Infrastructure and 'Urban Core' affects a portion of the site in the north east and south of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A
	ST-HA-008	Refer to Criterion response 1D	V	√	V	V	√	Refer to Criterion response 3B	Fluvial flooding deriving from the River Finn [Donegal] affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-HA-016	Refer to Criterion response 1D	√	/	`	~	\	Refer to Criterion response 3B	Fluvial flooding deriving from the River Finn [Donegal] affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-OPS-003	Refer to Criterion response 1D	V	V	•	`	V	Refer to Criterion response 3C	Fluvial flooding deriving from the River Finn [Donegal] affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that a significant proportion of the zoning is within Flood Zone A/B. However, Policy LIFF-OPP-1 states that the council will only consider "water compatible" development within flood zone A at this Opportunity Site. These proposed changes are in line with the sequential approach and can be justified.
	ST-UC-007	Refer to Criterion response 1D	V	√	`	~	√	Refer to Criterion response 3B	Fluvial flooding deriving from the River Finn [Donegal] affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Loughanure	Settlement	Refer to Criterion response 1D	V	✓ 	V	V	V	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Malin	Settlement	Refer to Criterion response 1D	✓	✓	•	~	✓	Refer to Criterion response 3B	Coastal flooding along the southern border of the settlement affects the Malin (Stream) in the west of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from Malin (Stream) affects Millbrook Terrace in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.in the 1 in 100 year fluvial or 1 in 200 year coastal

					ation Test			_	
Settlement Manaraunningham	Zone Settlement	1 Refer to	2i ✓	2ii	2iii	2iv	2v	Refer to	Additional Comments Pecurring flooding has been recorded in Manageunningham
Manorcunningham	Settlement	Criterion response 1D	V	V			, , , , , , , , , , , , , , , , , , ,	Criterion response 3B	Recurring flooding has been recorded in Manorcunningham (OPW National Flood Hazard Mapping) from Runoff from high ground causes flooding every 5 years approximately after very heavy rain. The road is liable to flood and properties are affected. No detailed flood extents mapping
	ST-HA-013	Refer to Criterion response 1D	✓	√	V	V	/	Refer to Criterion response 3B	is currently available Recurring flooding has been recorded in Manorcunningham (OPW National Flood Hazard Mapping) from Runoff from high ground causes flooding every 5 years approximately after very heavy rain. The road is liable to flood and properties are affected. No detailed flood extents mapping is currently available
	ST-UC-002	Refer to Criterion response 1D	✓	V	V	V	√	Refer to Criterion response 3B	Recurring flooding has been recorded in Manorcunningham (OPW National Flood Hazard Mapping) from Runoff from high ground causes flooding every 5 years approximately after very heavy rain. The road is liable to flood and properties are affected. No detailed flood extents mapping is currently available.
Milford	Settlement	Refer to Criterion response 1D	√	V	·	V	√	Refer to Criterion response 3B	Recurring flooding has been recorded in Milford (OPW National Flood Hazard Mapping). However, no details are currently available. A precautionary approach in line with the OPW guidelines should be undertaken when proposing any development within the settlement
	ST-HA-014	Refer to Criterion response 1D	√	V	·	V	√	Refer to Criterion response 3B	Recurring flooding has been recorded in Milford (OPW National Flood Hazard Mapping). However, no details are currently available. A precautionary approach in line with the OPW guidelines should be undertaken when proposing any development within the settlement
	ST-UC-016	Refer to Criterion response 1D	V	√	✓	✓	V	Refer to Criterion response 3B	Recurring flooding has been recorded in Milford (OPW National Flood Hazard Mapping). However, no details are currently available. A precautionary approach in line with the OPW guidelines should be undertaken when proposing any development within the settlement
	ST-CI-003	Refer to Criterion response 1D	√	V	/	V	V	Refer to Criterion response 3B	Recurring flooding has been recorded in Milford (OPW National Flood Hazard Mapping). However, no details are currently available. A precautionary approach in line with the OPW guidelines should be undertaken when proposing
Mountcharles	Settlement	Refer to Criterion response 1D	√	√	√	√	V	Refer to Criterion response 3A	any development within the settlement No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-014	Refer to Criterion response 1D	✓	✓	V	V	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Moville	Settlement	Refer to Criterion response 1D	V	✓	V	√	\(\frac{1}{2}\)	Refer to Criterion response 3B	Coastal Flooding affects areas zoned as 'High Amenity' and the Bredagh River in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial Flooding from the Bredagh River affects areas zoned in 2018 as 'High Amenity' along the Bredagh River and the southern border of the settlement along the coast in the 1 in 100 year fluvial event, therefore, the lands are within
	ST-HA-009	Refer to Criterion response 1D	✓	V	/	V	~	Refer to Criterion response 3B	Coastal flooding and fluvial flooding deriving from the Bredagh River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-UC-001	Refer to Criterion response 1D	√	✓	~	~	√	Refer to Criterion response 3B	Coastal flooding and fluvial flooding deriving from the Bredagh River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the
Muff	Settlement	Refer to Criterion response 1D	✓ ·	✓	/	V	V	Refer to Criterion response 3B	lands are within Flood Zone A. Fluvial flooding from the Liberty Bridge River affects areas zoned as 'Urban Core' in the south of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-HA-004	Refer to Criterion response 1D	√	√	V	/	/	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-011	Refer to Criterion response 1D	√	V	/	~	√	Refer to Criterion response 3B	Fluvial flooding from the Liberty Bridge River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood
Na Dúnaibh (Downings)	Settlement	Refer to Criterion response 1D	✓ ·	√	√	√	V	Refer to Criterion response 3B	Zone A. Coastal flooding affecting Downings Pier in the west and the east of the settlement, fluvial flooding in Flood Zone A deriving from the Rosepenna River affects east of R248 in the east of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A
Newtowncunningha m	Settlement	Refer to Criterion response 1D	√	✓	·	V	✓	Refer to Criterion response 3B	Coastal flooding in the north east of the settlement in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the river Glar affects areas zoned as 'High Amenity' and 'Urban Core' in the south west of the settlement, along Long Ln. and the western boundary of the settlement, west of Monad Road in the 1 in 100 year fluvial or 1 in 200 year coastal event,
	ST-HA-015	Refer to Criterion response 1D	√	√	√	√	√	Refer to Criterion response 3B	Fluvial flooding from the River Glar affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

				Justific	ation Test	Criterion			
Settlement	Zone ST-OPS-001	1 Refer to	2i ✓	2ii	2iii ✓	2iv	2v ×	3 Refer to	Additional Comments Fluvial flooding from the River Glar affects a portion of the
	31-043-001	Criterion response 1D	•					Criterion response 3C	site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that a significant proportion of the zoning is within Flood Zone A/B. The proposed land use is generally inappropriate in areas vulnerable to flooding as per the OPW Guidelines. There are alternative land parcels within the settlement that can provide the proposed land use with lesser inherent flood risk. It has not been demonstrated that that the flood risk to the proposed zoned lands can be adequately managed and the use or development of the lands will not cause unacceptable adverse impacts elsewhere. The zoning is not in line with the sequential approach and cannot be justified. The following actions should be considered: Reduce the zoned area so they remain outside flood risk areas; and/or Replace the existing zoning with a zoning for less vulnerable uses.
	ST-OPS-002	Refer to Criterion response 1D	✓	√	√	√	√	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-006	Refer to Criterion response 1D	✓	/	/	/	/	Refer to Criterion response 3B	Fluvial flooding from the River Glar affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Pettigoe	Settlement	Refer to Criterion response 1D	✓	/	V	V	✓	Refer to Criterion response 3B	Fluvial flooding along the western boundary of the settlement along the Billary River affects east of R233 north east of the settlement and Mill Street in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A
Portnablagh	Settlement	Refer to Criterion response 1D	V	/	V	√	√	Refer to Criterion response 3B	Fluvial flooding deriving from the Breaghy River affects the north of the settlement at Portnablagh Pier in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the
Portsalon	Settlement	Refer to Criterion response 1D	✓	V	/	V	V	Refer to Criterion response 3B	lands are within Flood Zone A. Fluvial flooding deriving from the Cashelpreaghan River affects south of The Fairways along the river and 'The Pier, Portsalon' in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Quigley's Point	Settlement	Refer to Criterion response 1D	>	~	√	✓	√	Refer to Criterion response 3B	Fluvial flooding derived from the Bogstown River affects south of Quigleys Point Community Centre to north of Millbay Park in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Ramelton	Settlement	Refer to Criterion response 1D	•	\				Refer to Criterion response 3B	Coastal Flooding affects the Leannan River, areas zoned as 'High Amenity' on the north bank of the river, areas zoned as 'Urban Core' on the south of the river bank and unzoned areas north and south of the bank of the river. The Quays to North of Pound Street in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial Flooding deriving from the Leannan River, areas zoned as 'High Amenity' on the north bank of the river, areas zoned as 'Urban Core' on the south of the river bank and unzoned areas north and south of the river bank. The Quays and West of An Sruthan in the 1 in 100 year fluvial event,
	ST-HA-010	Refer to Criterion response 1D	>	>	~	V	~	Refer to Criterion response 3B	Coastal flooding and fluvial flooding deriving from the Leannan River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-UC-015	Refer to Criterion response 1D	✓	/	~	/	✓	Refer to Criterion response 3B	Fluvial Flooding deriving from the Leannan River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Raphoe	Settlement	Refer to Criterion response 1D	√	V	√	√	√	Refer to Criterion response 3B	Recurring flooding has been recorded in Raphoe (OPW National Flood Hazard Mapping) from overland flow emanating from the surrounding hills and minor streams within the town. No detailed flood extents mapping is currently available. However, a flood alleviation scheme for the town is currently being progressed.
	ST-UC-008	Refer to Criterion response 1D	\	\	✓	✓	✓	Refer to Criterion response 3B	Recurring flooding has been recorded in Raphoe (OPW National Flood Hazard Mapping) from overland flow emanating from the surrounding hills and minor streams within the town. No detailed flood extents mapping is currently available. However, a flood alleviation scheme for the town is currently being progressed.
Rathmullan	Settlement	Refer to Criterion response 1D	~	V	V	V	V	Refer to Criterion response 3B	Coastal flooding along the coastal border of the settlement affecting Main Street in the South of the settlement in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Aghavannan_Near river affects north of R247 in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Mill Brook river affects to the west of Inch View in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.
Rossnowlagh	Settlement	Refer to Criterion response 1D	V	V	√	✓	√	Refer to Criterion response 3B	Fluvial flooding along the coastal boundary of the settlement affects an area zoned as 'High Amenity' in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.
	ST-HA-005	Refer to Criterion response 1D	V	V	✓	V	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Ardeelan River and the Rosnowlagh Lower River along the western boundary (the coast) of the settlement affecting a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
St. Johnston	Settlement	Refer to Criterion response 1D	\	~	•		•	Refer to Criterion response 3B	Fluvial flooding deriving from the River Foyle and Johnston Stream in the east of the settlement affecting north of Main Street to Railway Park in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

APPENDIX C JUSTIFICATION TEST MAPPING

