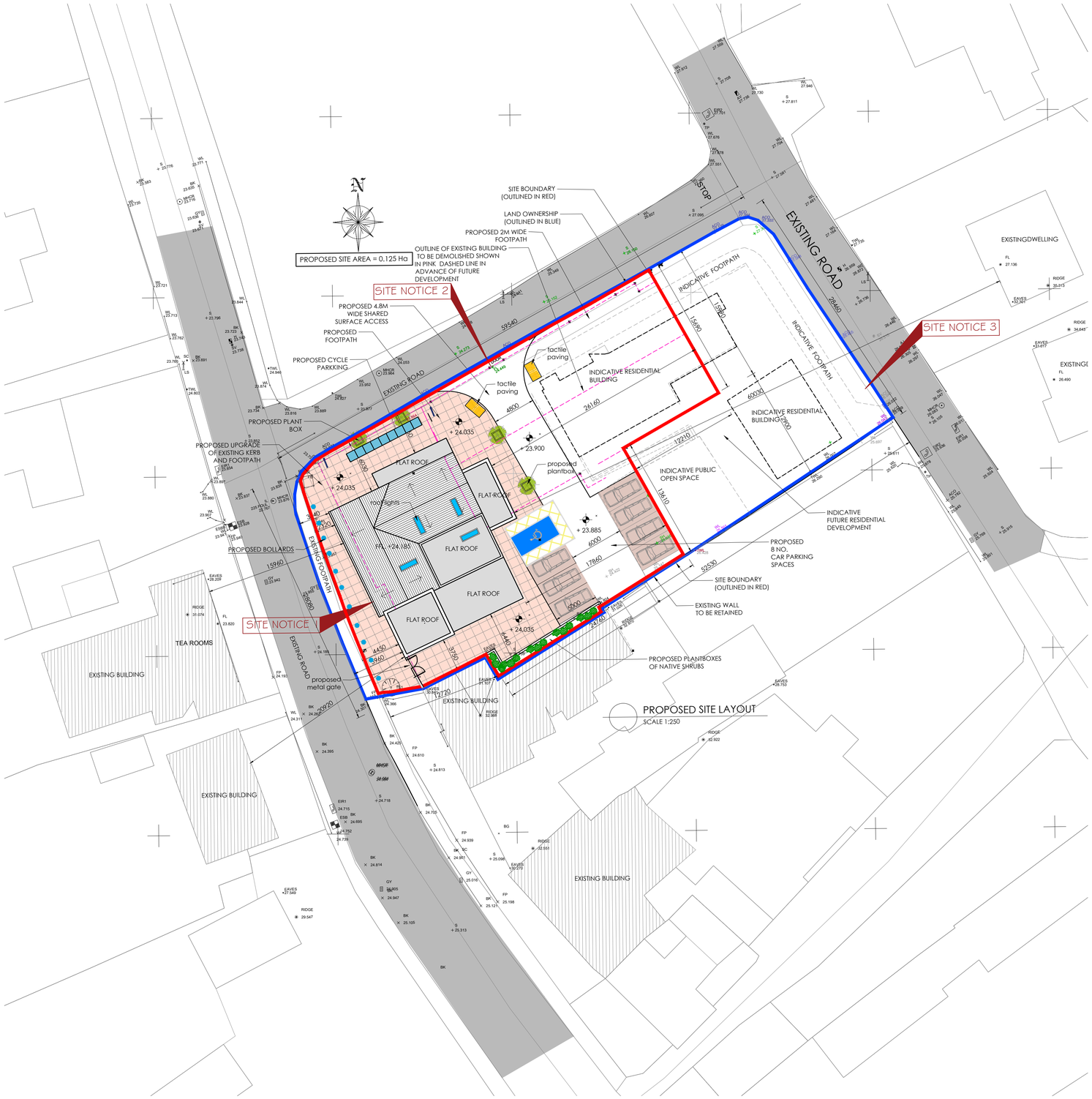
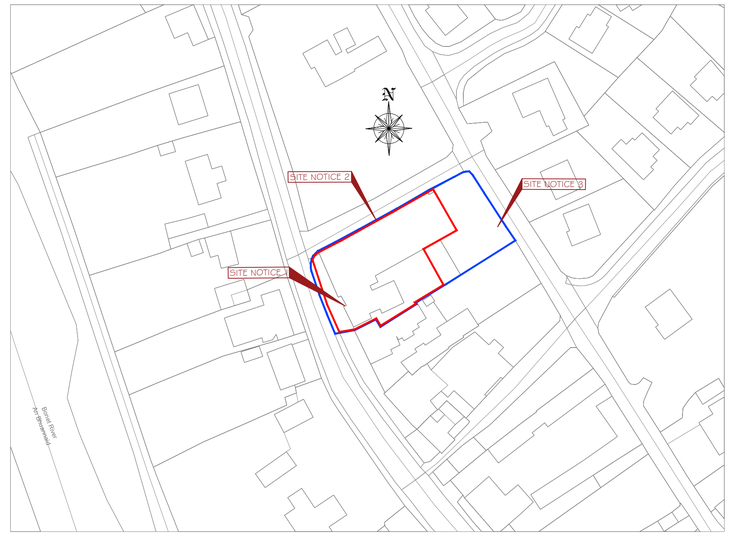
DRAWING NO.
20455-PLA -100

PROPOSED OPEN LIBRARY BUILDING AT DRUMAHAIRE, DROMAHAIR, CO. LEITRIM



PROPOSED SITE LAYOUT
SCALE 1:250



SITE LOCATION MAP
SCALE 1:1000

CAR PARK SPECIFICTAION

Sub-base

The sub-base to the car park should be designed to meet the following criteria.

To be capable of supporting – and transmitting to the existing ground – the loads of all vehicles, plant, machines and materials used in the construction, without causing deformation of the site.

On completion the sub-base should be capable of supporting and transmitting all loads on the surface without permanent or long-term deformation of the surface.

Ensure that water, whether rainwater or natural ground water, will drain away freely through the sub-base material, either into the natural subsoil or into the drainage system.

Topsoil to be cleared from works area entirely to stable subsoil level. Topsoil to be sorted into material suitable for re-uses and unsuitable material to be removed from site. Disposal of excess and unsuitable topsoil to be to clients approval.

Sub-base foundation to car park

Foundations shall be constructed using hard, clean, crushed frost-resistant aggregates, laid on geotextile material. The grading of the sub-base material must be such as to provide stability. The material laid in layers not exceeding 150mm, each layer being compacted before the next is laid. The minimum compacted thickness of sub-base stone should be 200mm. Upon completion there should be no detectable movement under the roller. The sub-base material should be compacted to the requirements of BS 5835- 1:1980 - Recommendations for testing of aggregates. Compactibility test for graded aggregates The surface level tolerance should be within ±10mm of the design level, and, when checked with a 3000mm straight edge, there should be no deviation greater than 10mm.

Sub-base foundation to footpaths

Footpath Foundations shall be constructed using hard, clean, crushed frost resistant aggregates, laid on geotextile material. The grading of the subbase material must be such as to provide stability. The minimum compacted thickness of sub-base stone should be 100mm. Upon completion there should be no detectable movement under the roller. The sub-base material should be compacted to the requirements of BS 5835-1:1980 – as above The surface level tolerance should be within ±10mm of the design level, and, when checked with a 3000mm straight edge, there should be no deviation greater than 10mm.

Perimeter Edging

Excavate for, supply and lay 125mm x 150mm bullnosed hydraulically pressed pre-cast concrete kerbs to outer edge of area, allowing for a 25mm upstand above wearing course. They shall be haunched in concrete. The maximum gap between the outer kerb face and any adjacent perimeter fencing shall be 10mm. The haunching shall incorporate movement joints at appropriate spacing. Tolerance on pre-cast concrete kerbs to be within +/- 3mm to design level and +/- 3mm to line, under a 3000mm straight edge, gaps not to exceed 3mm.

Base construction

Design the base of the Car Park to meet the following criteria:

It should be capable of supporting – and transmitting to the existing ground – the loads of all vehicles, plant, machines and materials to be used in the construction, without causing deformation of the site.

On completion, the base should be capable of supporting and transmitting all loads on the surface without permanent or long-term deformation of the surface.

Ensure that water, whether rainwater or natural ground water, will drain away freely, either into the natural subsoil or into the drainage. Engineered bases are the traditional form of road construction consisting of a single course or two courses of open-textured bituminous macadam to BS EN 13108 .

Macadam base construction

A base course consisting of 60mm nominal compacted thickness (minimum compacted thickness not less than 40mm at any point) of 14mm or 20mm nominal-sized aggregate plus a binder course consisting of 30mm nominal compacted thickness (minimum compacted thickness not less than 20mm at any point) of 6mm nominal sized aggregate, both to BS EN 13108 and PD 6691:2010 - Guidance on the use of BS EN 13108 Bituminous mixtures. Material specifications shall be laid to the whole of the car park, all to design levels and design tolerances of +/- 3mm under a 3000mm straight edge. Bitumen binder grade no softer than 300 penetration, preferably 200 penetration, is to be used. Laying in cold, wet or windy weather conditions should therefore be avoided and any double handling. The tolerance of the surface shall not exceed +/- 3mm under a 3000mm straight edge.

Wearing Course

Tarmacadam wearing course to be provided at a gradient of 3° towards storm water outlets. Wearing course to be min 25mm thick with a combined basecourse and wearing course depth of min 40mm. Bitumen content of 70% required

Line Marking

Allow for the marking of parking bays and any IN and OUT arrows and text, in WHITE thermoplastic paint in. VISITORS ONLY and DISABLED bays should be clearly marked in appropriate colours.

Reinstatement generally

The Contractor shall carry out the work while soil and weather conditions are suitable and leave the site in a clean and tidy condition. All damage caused to surrounding areas and surfaces shall be reinstated in full to the satisfaction of the Architect. All hard areas shall be reinstated using similar materials to the existing, and to the satisfaction of the Architect.

On grass areas the ground shall be prepared by ridge roller or other means, approved by the Architect. Difficulties can arise when topsoil stored is poor quality and has not been protected from heavy rainfall. Supervision of groundworks during the final very busy stages of a project is critical.

Description:
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Digital Cartographic Model (DCM)

Publisher / Source:
==========
Ordnance Survey Ireland (OSi)

Data Source / Reference:
==========
PRIME2

File Format:
==========
Autodesk AutoCAD (DWG_R2013)

File Name:
==========
v_50135553_1.dwg

Clip Extent / Area of Interest (AOI):
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LLX,LLY= 580197.5384,831190.4298
LRX,LRY= 580430.5384,831190.4298
ULX,ULY= 580197.5384,831362.4298
URX,URY= 580430.5384,831362.4298

Projection / Spatial Reference:
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Projection= IRENET95_Irish_Transverse_Mercator

Centre Point Coordinates:
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X,Y= 580314.0384,831276.4298

Reference Index:
==========
Map Series | Map Sheets
1:2,500 | 1074-C

Seeding

Break up compacted topsoil to full depth.

Reduce top 100 mm of topsoil to a tilth suitable for blade grading, particle size 10 mm (maximum).

For the reinstatement of disturbed ground allow for carrying out a thorough stone picking before seeding. Remove stones and clay balls larger than permissible maximum stone size of 50 mm in any dimension together with roots, tufts of grass, rubbish and debris.

Following rolling, the ground shall be lightly harrowed in order to produce an acceptable tilth and a mixture of Chewing Fescue Highlight 20% or equivalent and Majestic Perennial Rye Grass 80% shall be sown at a rate of 28g/m² and worked into the soil by harrowing or raking as appropriate. Following seeding the ground shall be lightly flat rolled until the surface is firm and then watered. The Contractor shall retain responsibility for watering the ground, as required to establish the sward, until handover. Consideration needs to be given to the support of seeding by carrying out turfing at edges.

Turf edging to seeded areas

Before sowing lay turfs to BS 3969:1998 - Recommendations for turf for general purposes, with no perennial ryegrass and of a similar seed composition to the seeded area.

Prepare and rake back a 750 mm wide margin around prepared seed beds

Seed bed level to be married in with turf

Place a Single row laid end to end and trimmed to a line

Water on completion

Turfing on banks exceeding 30° slope

Configuration of turfs to be Diagonal or horizontal

Secure turfs with fixings of either:-

Pointed softwood pegs, 200 mm long x 25 mm square,

or

Galvanized wire pins, bent or hairpin pattern, 200 mm long x 4 mm diameter

Fixings to be every fourth row, slopes greater than 1 in 3 to be secured every second row

When turf is thoroughly self anchored by its roots, remove fixings and make good any damage to grass until area is accepted

NOTES :

This drawing is copyright and may not be copied or altered without permission.
Use only figured dimensions. Do not scale this drawing.
The contractor is responsible for checking all dimensions on site prior to construction.
The Architects are to be notified of any discrepancies prior to work commencing.
Levels and contours, shown on drawings, are relative to local datum unless specified

REVISION:	DATE:	DESCRIPTION:	INITIAL:

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CLIENT : LEITRIM COUNTY COUNCIL
PROJECT : Proposed Open Library Building
ADDRESS : Drumahaire, Dromahair, Co. Leitrim
DRAWING : **PROPOSED SITE LAYOUT & SITE LOCATION MAP**

CAD REF:	SCALE:	DWG. NO.:
20455	VARIES	**20455-PLA -100**
DRAWN BY:	DATE:	REV:
RN	1-Oct-20	

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