NORTH LINCS STRUCTURES LTD

STEEL'S OUR FORTE!

DESIGN AND ACCESS STATEMENT



STANTON LOGISTICS - REF: 3463

FIELDS END BUSINESS PARK
THURNSCOE
ROTHERHAM
S63 0JF

PROPOSED EXTENSION TO CURRENT STORAGE FACILITIES

25th June 2019

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INTRODUCTION

This design and access statement has been prepared by North Lincs Structures Ltd for the proposed development at Stanton Logistics, Thurnscoe, Rotherham.
This document will detail the proposed development and outline the key design principles and intended final use.
Stanton Logistics is a transport company established in 2007, they currently operate from a secure 3 acre site in South Yorkshire. Today they operate approximately 50 heavy goods vehicles and trailers, offering a nationwide service, 24hours a day, 7 days a week.
The business is seeking expansion of it's current facilities to increase turnover by 25%, enter new markets and grow with their current client bases' increasing demands.

THE PROPOSAL

The erection of a 30m x 45m single span portal to the west side of the current 30m x 50m facility, so creating a double span portal. The new building will be predominately used as a loading area for the existing unit.

THE EXISTING SITE

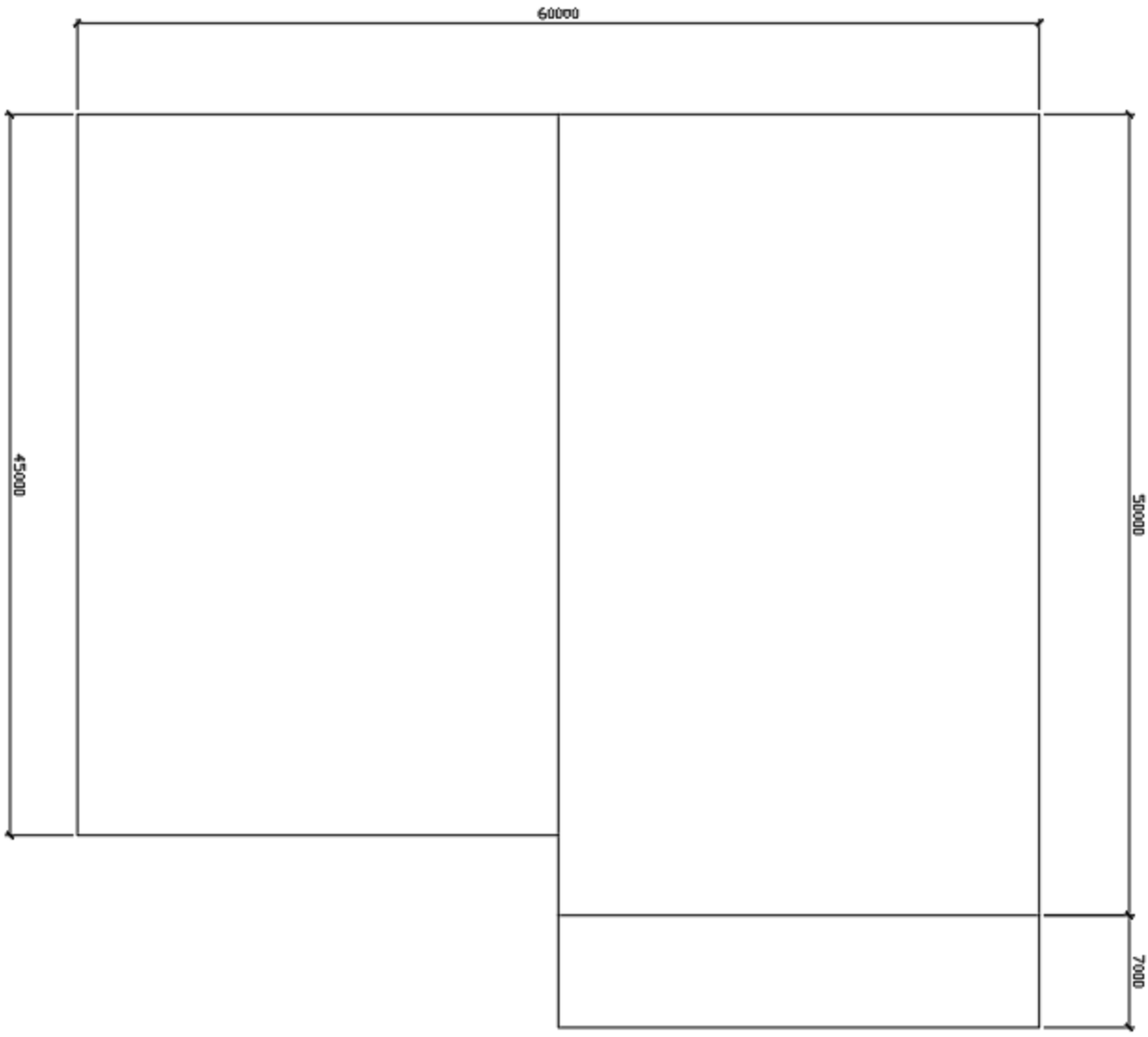
The application site is currently a hard standing, used as an external loading/parking area within our client's current boundaries. The application site is considered appropriate in terms of sustainability and proximity of the transport connections, local amenities and the current use of the site.

DESIGN GUIDANCE

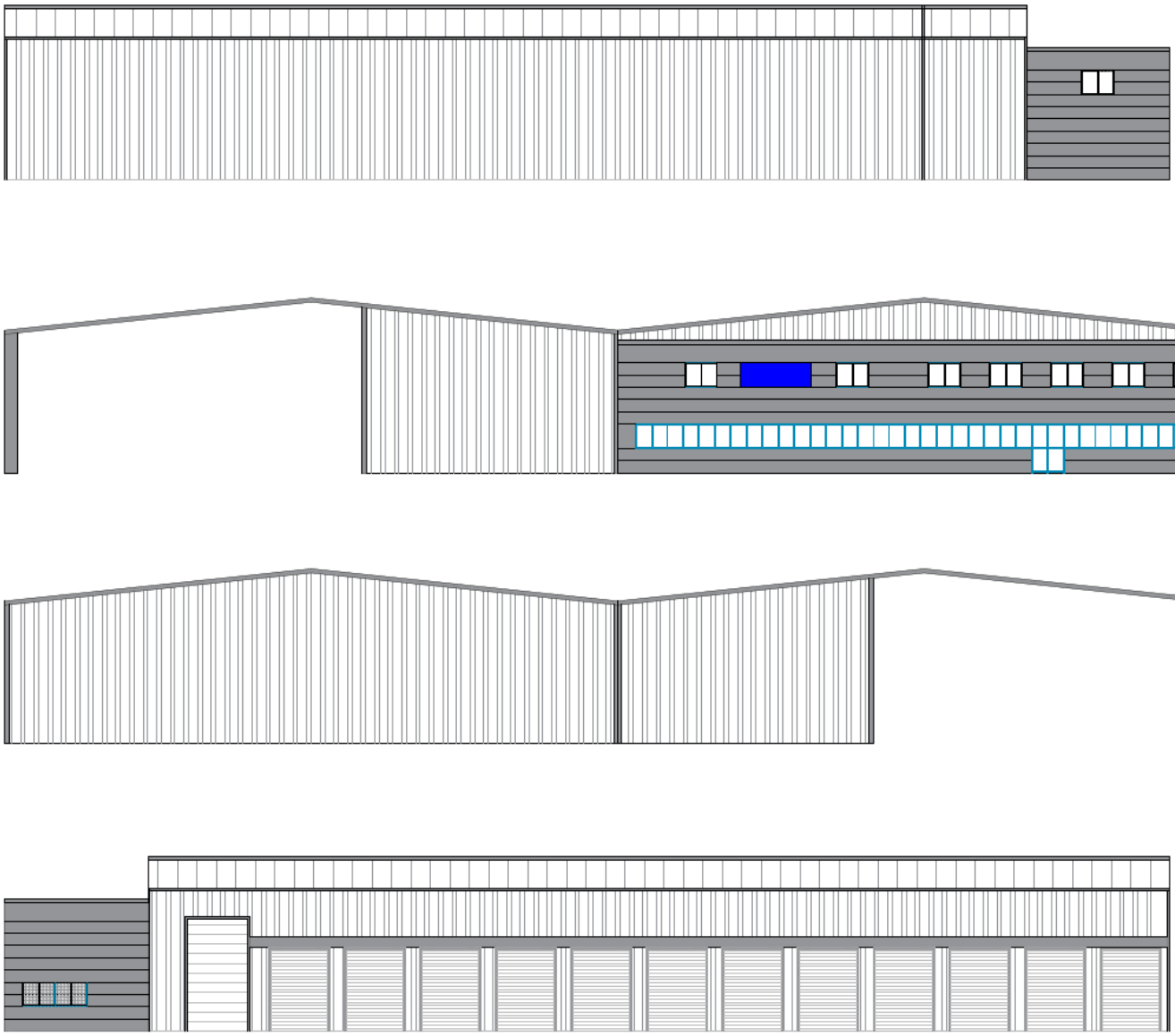
North Lincs Structures has over 20 years' experience in the structural steel industry and with all our staff living within the local community, all have significant knowledge of the area.
Our main sources of reference for this design is the BS5950, Eurocode 3 (Part 1/8 and 10) and the Approved Documents of the Building Regulations (2013/2015).
All steelwork produced by North Lincs Structures Ltd, will be supplied in accordance with BS EN 1090-1 and CE marked to execution class 2.
The supply, fabrication and erection of steelwork will meet the specifications set out in the National Structural Steelwork Specification (NSSS) for building construction, 6th Edition.

Design and drawings.
All structural steelwork designs, connection designs and groundwork design will be carried out in-house by our own structural engineer. All structural steelwork and its components will be designed in accordance with Eurocodes 3 or BS5950.
As erected general arrangement drawings, a drawing register, a complete structural calculation package and a DOM (Digital operations and maintenance) will be supplied electronically upon completion of the project.

PROPOSED FLOOR PLAN



PROPOSED ELEVATIONS



APPEARANCE AND MATERIALS

It is our intention to install Coverworld CW32 single skin cladding in goosewing grey to match the existing unit, complete with all flashings (Goosewing Grey) and associated fixings, in accordance with manufacturers recommendations to the roof and gables.

The west boundary wall will be sheeted with Joris Ide 40mm composite cladding in Gooswing Grey to match existing and achieve the required 60mins fire resistance.

The external and internal faces of the 40mm panel are 'Class 0' in accordance with Building Regulations when tested to BS476: Parts 6: 1989 and Part 7: 1987.
The JI Roof 1000 has a LPCB (Loss Prevention Certification Board) EXT-B Grade for 40-150mm core thickness.

12%-15% roof lights will be allowed for, 18no. (1000mm x 10800mm), to match the existing unit. Coverworld polycarbonate Class I (SAA) rooflights.

All main steelwork will be supplied grade S355J0 (BS EN 10025-2), secondary steelwork will be Grade S275JR (BS EN 10025-2) and all hollow section members will be provided grade S355J2H Hybox (Cold formed) (BS EN 10219-2).
Unless specified otherwise all steelwork supplied by us will be thoroughly blast cleaned to SA 2½ BS EN ISO 8501-1 and painted with a zinc phosphate primer (C400V3), Light grey, with a minimum dry film thickness of 75µm or galvanized to 85µm, BS EN ISO 1461.

WELFARE FACILITIES

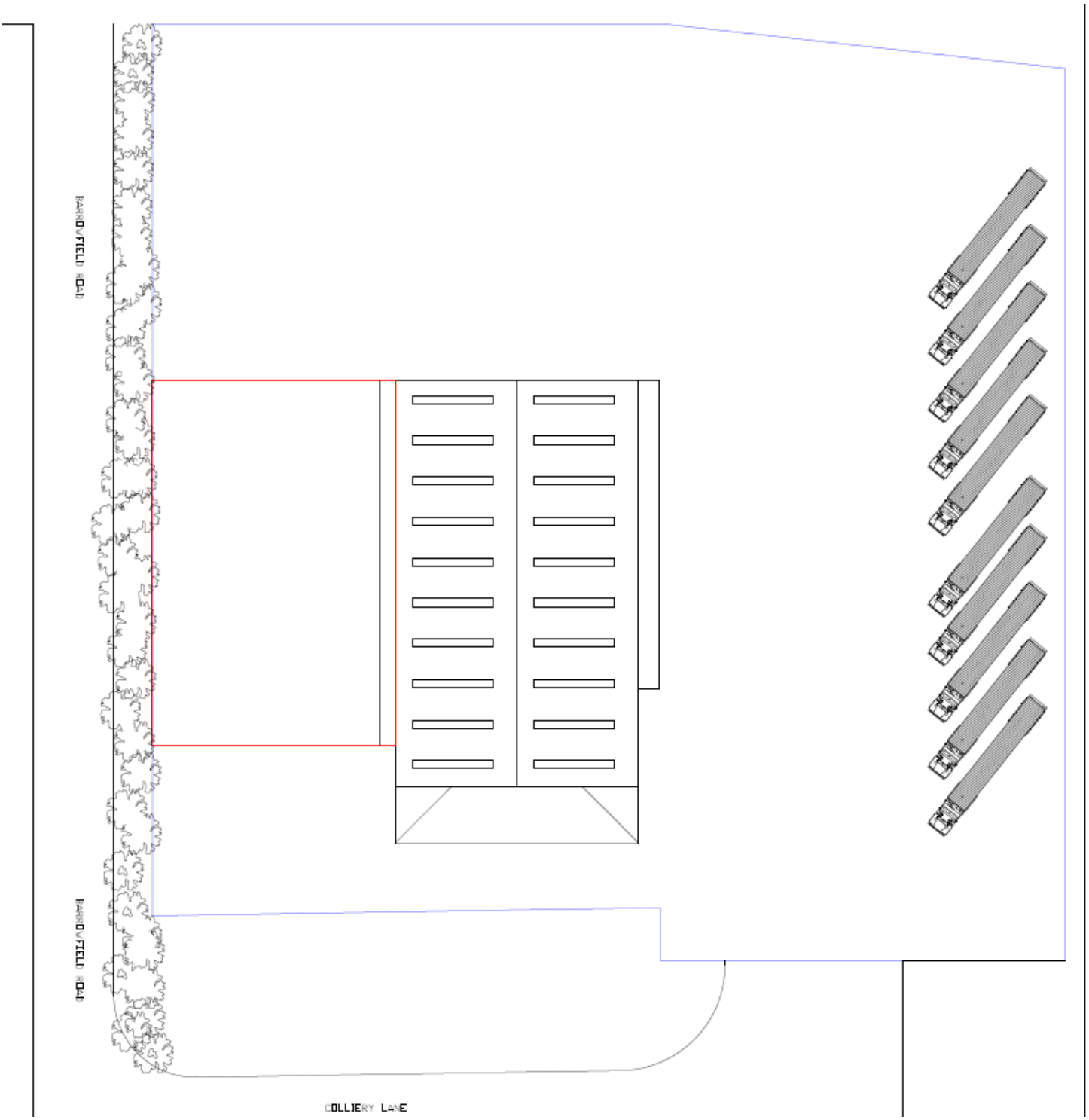
During construction a site welfare unit will be made available to the construction team.
No new permanent toilet facilities will be added.

TRADING HOURS

The construction will operate within the following hours;
Monday – Friday 08.00 – 15.00PM
Saturday & Sunday possible with overtime.
Bank holidays – No construction.

Trading hours of Stanton Logistics will not be affected during this construction period and will not be changed after construction has finished.

SITE BOUNDARIES

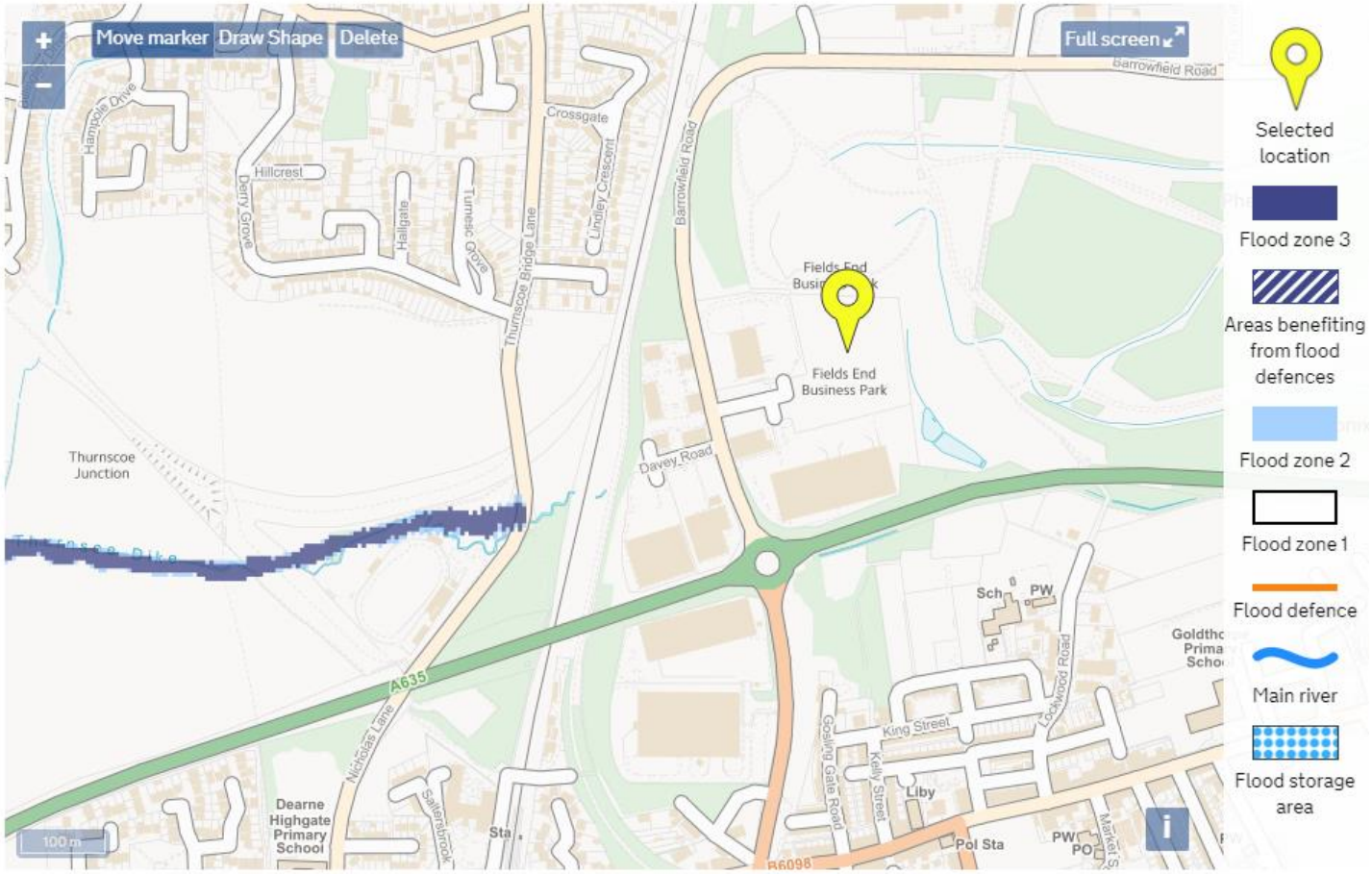


All land owned by my client is shown in blue, the proposed extension location shown in red and the main access coming from Colliery Lane to the South.

VEHICULAR AND PEDESTRIAN ACCESS

The current parking will not be affected by this project both during or after construction. Loading and access facilities to the working area will continue as normal during the afternoon, with deliveries re-arranged outside of construction hours 8am – 3pm. Daytime construction will allow for minimal disruption to the clients working facility and allow for loading to continue during the evening into the night, as usual.

FLOOD RISK ASSESSMENT



Grid reference – SE 45895 04939
Easting 445895 Northing 404939

The environment agency deems the site as ZERO risk of flooding, the site is approximately 55m AOD. Surface water will discharge into the existing surface water drainage, subject to local authority approval and discharge rate calculations.