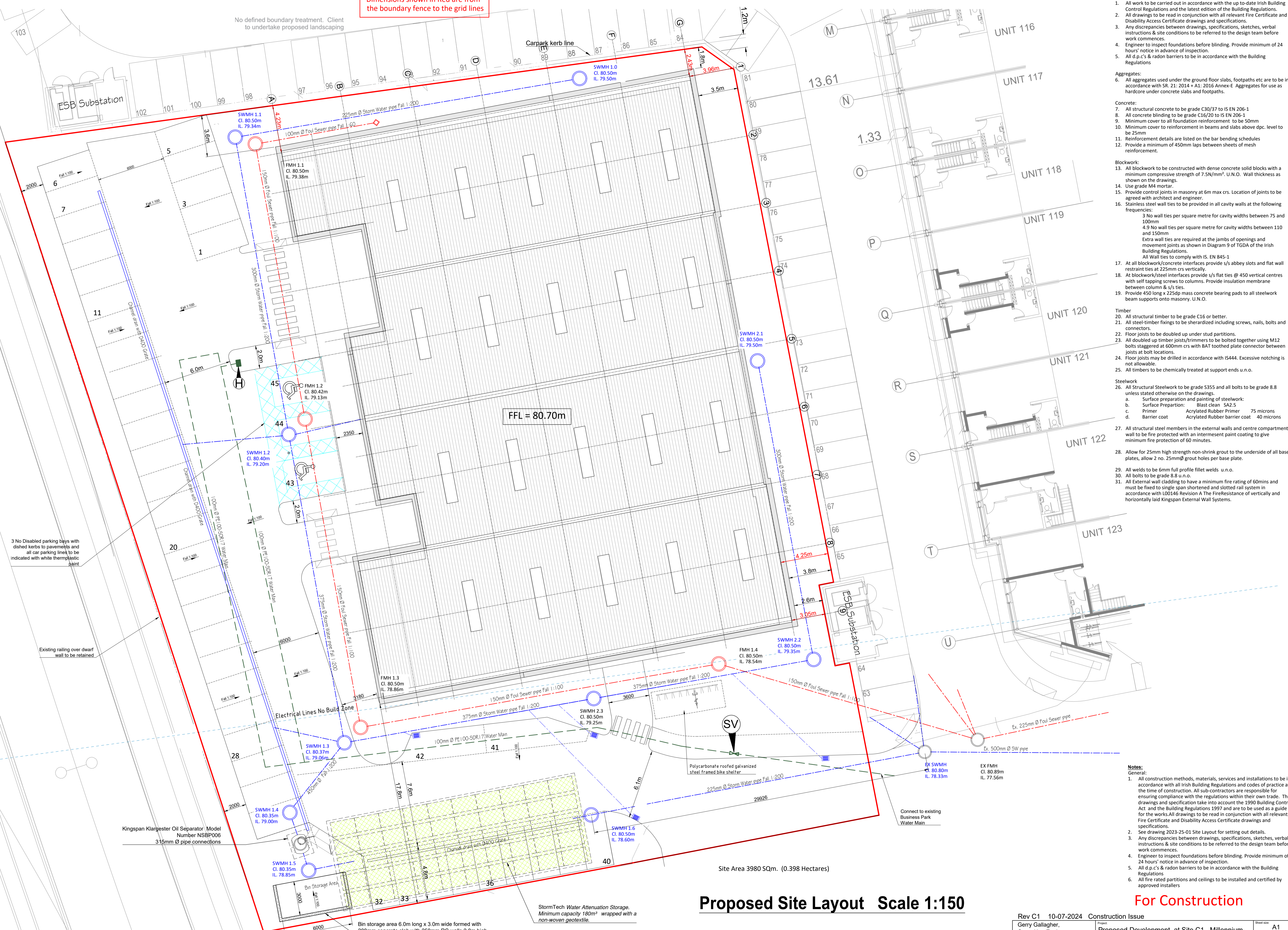


Dimensions shown in Red are from the boundary fence to the grid lines

No defined boundary treatment. Client to undertake proposed landscaping



- Notes:**
- General:**
- All work to be carried out in accordance with the up-to-date Irish Building Control Regulations and the latest edition of the Building Regulations.
 - All drawings to be read in conjunction with all relevant Fire Certificate and Disability Access Certificate drawings and specifications.
 - Any discrepancies between drawings, specifications, sketches, verbal instructions & site conditions to be referred to the design team before work commences.
 - Engineer to inspect foundations before blinding. Provide minimum of 24 hours' notice in advance of inspection.
 - All d.p.c.'s & radon barriers to be in accordance with the Building Regulations
- Aggregates:**
- All aggregates used under the ground floor slabs, footpaths etc are to be in accordance with SR 21: 2014 + A1: 2016 Annex-E. Aggregates for use as hardcore under concrete slabs and footpaths.
- Concrete:**
- All structural concrete to be grade C30/37 to IS EN 206-1
 - All concrete blinding to be grade C16/20 to IS EN 206-1
 - Minimum cover to all foundation reinforcement to be 50mm
 - Minimum cover to reinforcement in beams and slabs above dpc. Level to be 25mm
 - Reinforcement details are listed on the bar bending schedules
 - Provide a minimum of 450mm laps between sheets of mesh reinforcement.
- Blockwork:**
- Blockwork to be constructed with dense concrete solid blocks with a minimum compressive strength of 7.5N/mm². U.N.O. Wall thickness as shown on the drawings.
 - Use grade M4 mortar.
 - Provide control joints in masonry at 6m max crs. Location of joints to be agreed with architect and engineer.
 - Stainless steel wall ties to be provided in all cavity walls at the following frequencies:
 - 3 No wall ties per square metre for cavity widths between 75 and 100mm
 - 4.9 No wall ties per square metre for cavity widths between 110 and 150mm
 Extra wall ties are required at the jambs of openings and movement joints as shown in Diagram 9 of TGDA of the Irish Building Regulations.
 All Wall ties to comply with IS EN 845-1
 - At all blockwork/concrete interfaces provide s/s abey slots and flat wall restraint ties at 225mm crs vertically.
 - At blockwork/steel interfaces provide s/s flat ties at 450 vertical centres with self tapping screws to columns. Provide insulation membrane between column & s/s ties.
 - Provide 450 long x 225dp mass concrete bearing pads to all steelwork beam supports onto masonry. U.N.O.
- Timber:**
- All structural timber to be grade C16 or better.
 - All steel-timber fixings to be sherardized including screws, nails, bolts and connectors.
 - Floor joists to be doubled up under stud partitions.
 - All doubled up timber joists/trimmers to be bolted together using M12 bolts staggered at 600mm crs with BAT toothed plate connector between joists at bolt locations.
 - Floor joists may be drilled in accordance with IS444. Excessive notching is not allowable.
 - All timbers to be chemically treated at support ends u.n.o.
- Steelwork:**
- All Structural Steelwork to be grade S355 and all bolts to be grade 8.8 unless stated otherwise on the drawings.
 - a. Surface preparation and painting of steelwork:
 - b. Surface Preparation: Blast clean SA2.5
 - c. Primer: Acrylated Rubber Primer 75 microns
 - d. Barrier coat: Acrylated Rubber barrier coat 40 microns
 - All structural steel members in the external walls and centre compartment wall to be fire protected with an intumescent paint coating to give minimum fire protection of 60 minutes.
 - Allow for 25mm high strength non-shrink grout to the underside of all base plates, allow 2 no. 25mmØ grout holes per base plate.
 - All welds to be 6mm full profile fillet welds u.n.o.
 - All bolts to be grade 8.8 u.n.o.
 - All External wall cladding to have a minimum fire rating of 60mins and must be fixed to single span shortened and slotted rail system in accordance with L00146 Revision A The FireResistance of vertically and horizontally laid Kingspan External Wall Systems.

- Notes:**
- General:**
- All construction methods, materials, services and installations to be in accordance with all Irish Building Regulations and codes of practice at the time of construction. All sub-contractors are responsible for ensuring compliance with the regulations within their own trade. The drawings and specification take into account the 1990 Building Control Act and the Building Regulations 1997 and are to be used as a guide for the works. All drawings to be read in conjunction with all relevant Fire Certificate and Disability Access Certificate drawings and specifications.
 - See drawing 2023-25-01 Site Layout for setting out details.
 - Any discrepancies between drawings, specifications, sketches, verbal instructions & site conditions to be referred to the design team before work commences.
 - Engineer to inspect foundations before blinding. Provide minimum of 24 hours' notice in advance of inspection.
 - All d.p.c.'s & radon barriers to be in accordance with the Building Regulations
 - All fire rated partitions and ceilings to be installed and certified by approved installers

Proposed Site Layout Scale 1:150

For Construction

Site Area 3980 SQm. (0.398 Hectares)

3 No Disabled parking bays with dished kerbs to pavements and all car parking lines to be indicated with white thermoplastic paint

Existing railing over dwarf wall to be retained

Kingspan Klargester Oil Separator Model Number NSBP006 315mm Ø pipe connections

Bin Storage Area

Bin storage area 6.0m long x 3.0m wide formed with 200mm concrete slab with 250mm RC walls 2.0m high

StormTech Water Attenuation Storage. Minimum capacity 180m³ wrapped with a non-woven geotextile.

Rev C1 10-07-2024 Construction Issue	Project: Proposed Development at Site C1, Millennium Business Park, Cappagh Road, Grange, Dublin 11	Sheet size: A1
Gerry Gallagher, Consulting Engineer, 11 Booterstown, Dunmore Road, Waterford, Tel. 087 2345669, Email ggsstructuraldesign@gmail.com	Client: MCD Property Assets Ltd.	Date: June 2024
	Drawing Title: Site Layout Plan	Scale: 1:150
		Drawn: 2024-30-01-C1