OMEGA ST HELENS LTD / T.J. MORRIS LTD

Drawing Pack

Call-in by the Secretary of State of an application made by Omega St Helens Limited / TJ Morris Limited

Land To The West Of Omega South & South Of The M62, Bold, St Helens

LPA REF: P/2020/0061/HYBR

PINS REF: APP/H4315/V/20/3265899

CD.43.56

March 2021

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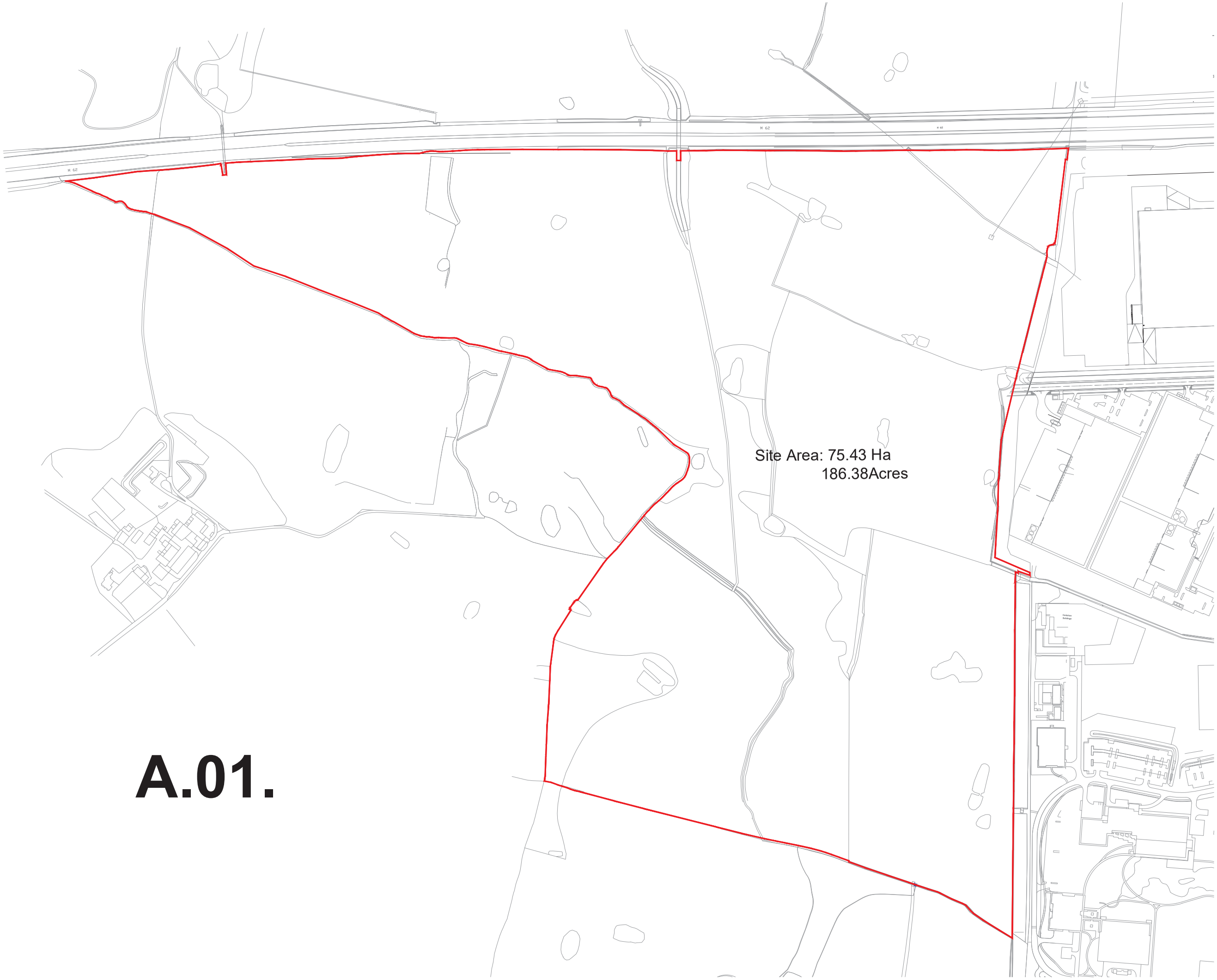

A.01.

NOTES:

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Contractors must verify all dimensions on site before commencing any work or shop drawings. This drawing is not to be scaled. Use figured dimensions only.

Subject to statutory approvals and survey.

Building areas are liable to adjustment over the course of the design process due to the ongoing construction detailing developments.

Please note the information contained within this drawing is solely for the benefit of the employer and should not be relied upon by third parties.

The CDM hazard management procedures for the Chetwoods aspects of the design of this project are to be found on the "Chetwoods - Hazard Analysis and Design Risk Assessment" and/or drawings. The full project design teams comprehensive set of hazard management procedures are available from the Principle Designer appointed for the project.

Boundary red line is based on rescaled Title plan: MS366065, MS462582, MS407532 & Homes&Communities Agency Site Plan HCA Land to the west of Omega St Helen's ApH21544 14.01.2016, the accuracy can not be relied on.

North

0m 20m 40m 60m 80m 100m 1:2500

Site Boundary

Boundary red line is based on rescaled Title plan: MS366065, MS462582, MS407532 & Homes&Communities Agency Site Plan HCA Land to the west of Omega St Helen's ApH21544 14.01.2016, the accuracy can not be relied on.

Boundary & road layout based on rescaled WSP T J Morris Civils Works Plan, 0723-Z8-GA-100, the accuracy can not be relied on. Refer to WSP drawing for details.

Rev	Revision Description	Date	Author/ Reviewer
PL6	Drawing updated as comments	17/12/19	RC/SF

PLANNING

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Project

OMEGA ZONE 8, ST HELENS

Client

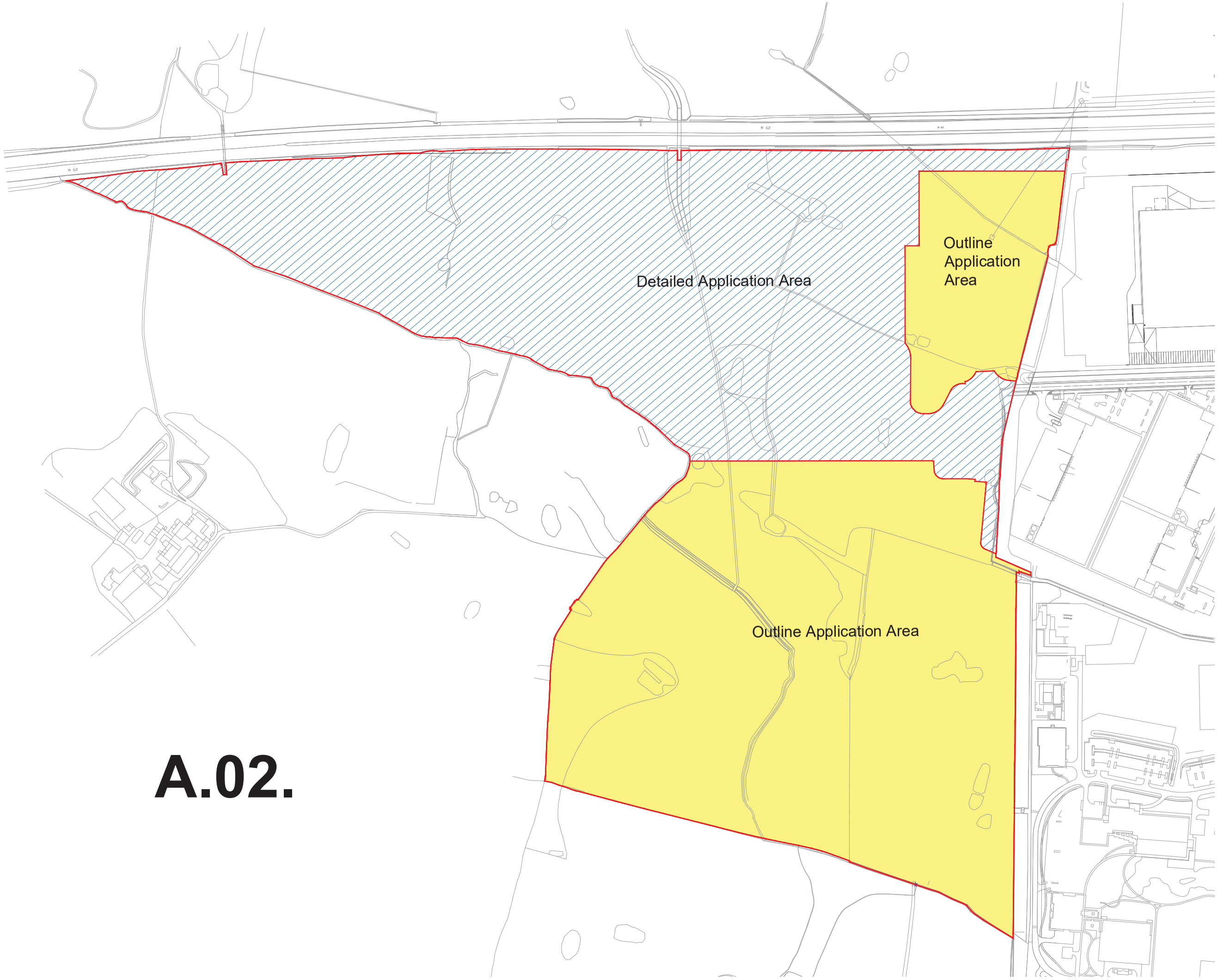
OMEGA ST HELENS LTD / T.J.MORRIS LTD

Drawing Title

SITE LOCATION PLAN
OPP DWG.2

Scale	Size	Drawn	Checked	Date
1:2500	A1	RC	NH	20/11/19

Project	Originator	Zone	Level	Type	Role	Number	Rev.
4150	CA	00	00	DR	A	00001	PL6



A.02.

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0m 20m 40m 60m 80m 100m 1:2500

Site Boundary

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Boundary & road layout based on rescaled WSP T J Morris Civils Works Plan, 0723-Z8-GA-100, the accuracy can not be relied on. Refer to WSP drawing for details.

Rev	Revision Description	Date	Author/ Reviewer
PL4	Boundary updated	03/08/20	RC/SF

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Project
OMEGA ZONE 8, ST HELENS

Client
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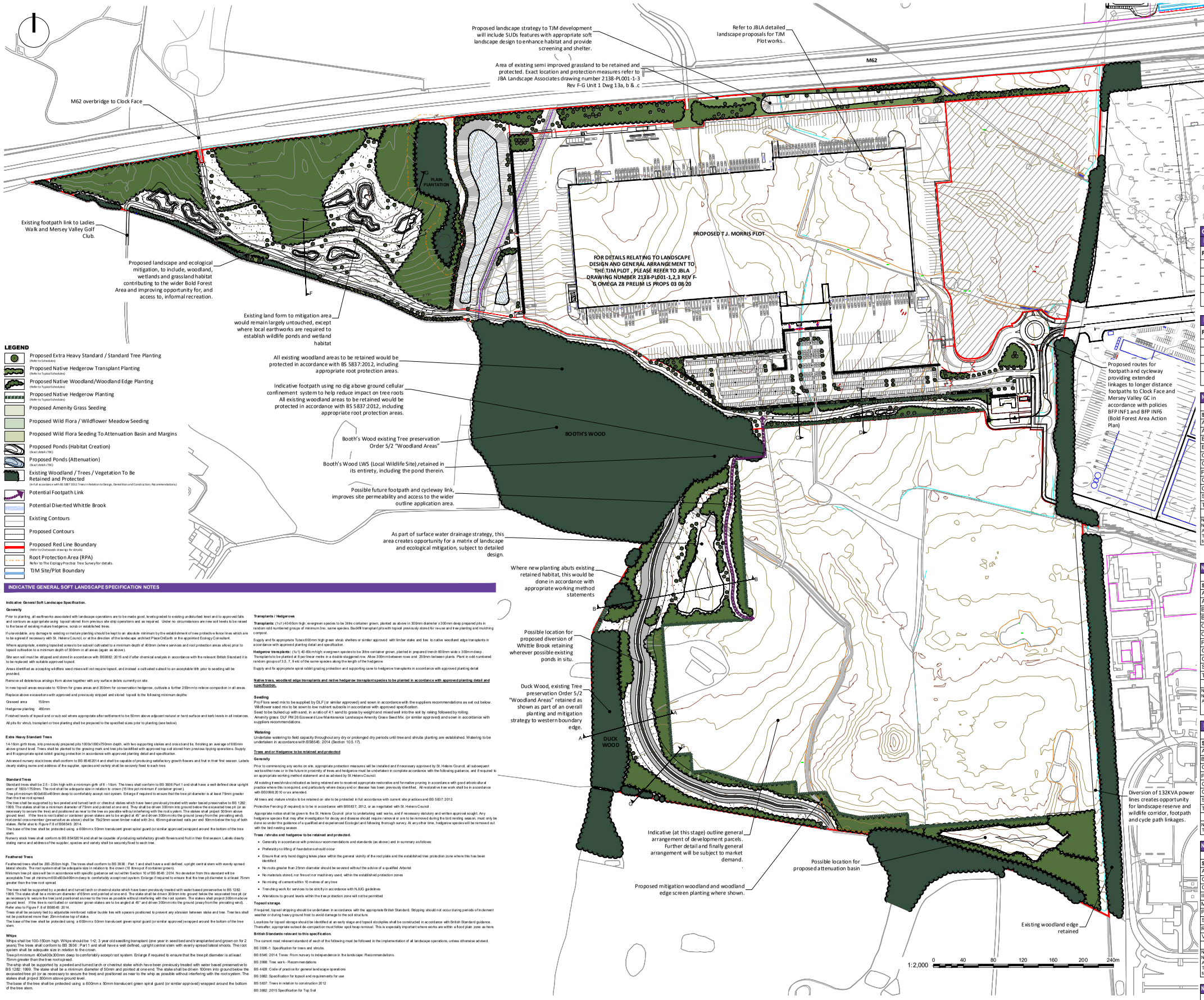
Drawing Title
PARAMETERS PLAN 1 -
OUTLINE AND DETAILED
APPLICATION BOUNDARIES OPP DWG.3.1

Scale	Size	Drawn	Checked	Date
1:2500	A1	RC	SF	12/12/19

Project	Originator	Zone	Level	Type	Role	Number	Rev.
4150	CA	00	00	DR	A	05105	PL4



LEGEND

- Proposed Extra Heavy Standard / Standard Tree Planting (Refer to Schedule)
- Proposed Native Hedgerow Transplant Planting (Refer to Typical Schedule)
- Proposed Native Woodland/Woodland Edge Planting (Refer to Typical Schedule)
- Proposed Native Hedgerow Planting (Refer to Typical Schedule)
- Proposed Amenity Grass Seeding
- Proposed Wild Flora / Wildflower Meadow Seeding
- Proposed Wild Flora Seeding To Attenuation Basin and Margins
- Proposed Ponds (Habitat Creation) (Beat Welsh TBC)
- Proposed Ponds (Attenuation) (Beat Welsh TBC)
- Existing Woodland / Trees / Vegetation To Be Retained and Protected (In full accordance with BS 5837:2012 Trees in Relation to Design, Demolition and Construction; Recommendations)
- Potential Footpath Link
- Potential Diverted Whittle Brook
- Existing Contours
- Proposed Contours
- Proposed Red Line Boundary (Refer to Chetwoods drawings for details)
- Root Protection Area (RPA) Refer to The Ecology Practice Tree Survey for details.
- TJM Site/Plot Boundary

INDICATIVE GENERAL SOFT LANDSCAPE SPECIFICATION NOTES

Indicative General Soft Landscape Specification.

Generally

Prior to planting, all earthworks associated with landscape operations are to be made good, levels graded to existing undisturbed level and to approved falls and contours as appropriate using topsoil stored from previous site strip operations and as required. Under no circumstances are new soil levels to be raised to the base of existing mature hedgerow, scrub or established trees.

If unavoidable, any damage to existing or mature planting should be kept to an absolute minimum by the establishment of new protective fence lines which are to be agreed if necessary with St. Helens Council, or at the direction of the landscape architect PlaceOnEarth or the appointed Ecology Consultant.

Where appropriate, existing topsoiled areas to be subsoil cultivated to a minimum depth of 450mm (where services and root protection areas allow) prior to topsoil cultivation to a minimum depth of 300mm in all areas (again as above).

Site won soil must be stripped and stored in accordance with BS3882: 2015 and if after chemical analysis in accordance with the relevant British Standard it is to be replaced with suitable approved topsoil.

Areas identified as accepting wildflora seed mixes will not require topsoil, and instead a cultivated subsoil to an acceptable tilth prior to seeding will be provided.

Remove all deleterious arisings from above together with any surface debris currently on site.

In new topsoil areas excavate to 150mm for grass areas and 350mm for conservation hedgerow, cultivate a further 250mm to relieve compaction in all areas.

Replace above excavations with approved and previously stripped and stored topsoil to the following minimum depths:

Grassed area 150mm

Hedgerow planting 450mm

Finished levels of topsoil and or sub soil where appropriate after settlement to be 30mm above adjacent natural or hard surface and kerb levels in all instances.

All pits for shrub, transplant or tree planting shall be prepared to the specified sizes prior to planting (see below)

Extra Heavy Standard Trees

14-16cm girth trees, into previously prepared pits 1000x1000x750mm depth, with two supporting stakes and cross bandle, finishing an average of 600mm above ground level. Trees shall be planted to the growing mark and tree pits backfilled with approved top soil stored from previous tipping operations. Supply and fit appropriate spiral rabbit grating protection in accordance with approved planting detail and specification.

Advanced nursery stock trees shall conform to BS 8545:2014 and shall be capable of producing satisfactory growth flowers and fruit in their first season. Labels clearly stating name and address of the supplier, species and variety shall be securely fixed to each tree.

Standard Trees

Standard trees shall be 2.5 - 3.0m high with a minimum girth of 8 - 10cm. The trees shall conform to BS 3936 Part 1 and shall have a well defined clear upright stem of 1900-1750mm. The root shall be adequate size in relation to crown (10 litre pot minimum if container grown).

Tree pit minimum 600x600x600mm deep to comfortably accept root system. Enlarge if required to ensure that the tree pit diameter is at least 75mm greater than the tree root spread.

The tree shall be supported by two peeled and turned larch or chestnut stakes which have been previously treated with water based preservative to BS 1282: 1999. The stakes shall be a minimum diameter of 75mm and pointed at one end. They shall be driven 300mm into ground below the excavated tree pit (or as necessary to secure the tree) and positioned as near to the tree as possible without interfering with the root system. The stakes shall project 300mm above ground level. - If the tree is not balled or container grown stakes are to be angled at 45° and driven 300mm into the ground away from the prevailing wind. Horizontal cross member (preservative as above) shall be 75x25mm sawn timber nailed with 2no. 65mm galvanised nails per end 50mm below the top of both stakes. Refer also to Figure F.8 of BS8545: 2014.

The base of the tree shall be protected using a 600mm x 50mm translucent green spiral guard (or similar approved) wrapped around the bottom of the tree stem.

Nursery stock trees shall conform to BS 8545:2014 and shall be capable of producing satisfactory growth flowers and fruit in their first season. Labels clearly stating name and address of the supplier, species and variety shall be securely fixed to each tree.

Feathered Trees

Feathered trees shall be 200-250cm high. The trees shall conform to BS 3936 : Part 1 and shall have a well defined, upright central stem with evenly spread lateral shoots. The root system shall be adequate size in relation to the crown (10 litre pot if container grown).

Minimum tree pit size will be in accordance with specific guidance set out within Section 10 of BS 8545: 2014. No deviation from this standard will be acceptable. Tree pit minimum 600x600x600mm deep to comfortably accept root system. Enlarge if required to ensure that the tree pit diameter is at least 75mm greater than the tree root spread.

The tree shall be supported by a peeled and turned larch or chestnut stake which have been previously treated with water based preservative to BS 1282: 1999. The stake shall be a minimum diameter of 50mm and pointed at one end. The stake shall be driven 300mm into ground below the excavated tree pit (or as necessary to secure the tree) and positioned as near to the tree as possible without interfering with the root system. The stakes shall project 300mm above ground level. - If the tree is not balled or container grown stakes are to be angled at 45° and driven 300mm into the ground away from the prevailing wind. Refer also to Figure F.8 of BS8545: 2014.

Trees shall be securely tied by adjustable reinforced rubber buckle ties with spacers positioned to prevent any abrasion between stake and tree. Tree ties shall not be positioned more than 20mm below top of stake.

The base of the tree shall be protected using a 600mm x 50mm translucent green spiral guard (or similar approved) wrapped around the bottom of the tree stem.

Whips

Whips shall be 100-150cm high. Whips should be 1+2; 3 year old seedling transplant (one year in seed bed and transplanted and grown on for 2 years). The trees shall conform to BS 3936 : Part 1 and shall have a well defined, upright central stem with evenly spread lateral shoots. The root system shall be adequate size in relation to the crown.

Tree pit minimum 400x400x300mm deep to comfortably accept root system. Enlarge if required to ensure that the tree pit diameter is at least 75mm greater than the tree root spread.

The whip shall be supported by a peeled and turned larch or chestnut stake which have been previously treated with water based preservative to BS 1282: 1999. The stake shall be a minimum diameter of 50mm and pointed at one end. The stake shall be driven 300mm into ground below the excavated tree pit (or as necessary to secure the tree) and positioned as near to the whip as possible without interfering with the root system. The stakes shall project 300mm above ground level.

The base of the tree shall be protected using a 600mm x 50mm translucent green spiral guard (or similar approved) wrapped around the bottom of the tree stem.

Transplants / Hedgerows

Transplants: (1u1) 450-60cm high; evergreen species to be 3litre container grown, planted as above in 300mm diameter x 300mm deep prepared pits in random odd numbered groups of minimum 3no. same species. Backfill transplant pits with topsoil previously stored for reuse and free planting and mulching compost.

Supply and fix appropriate Tubex 600mm high green shrub shelters or similar approved with timber stake and ties to native woodland edge transplants in accordance with approved planting detail and specification.

Hedgerow transplants: (3u1) 40-60cm high; evergreen species to be 3litre container grown, planted in prepared trench 600mm wide x 300mm deep. Transplants to be planted at 8 per linear metre in a double staggered row. Allow 300mm between rows and 250mm between plants. Plant in odd numbered random groups of 3,5, 7, 9 etc of the same species along the length of the hedgerow.

Supply and fix appropriate spiral rabbit grating protection and supporting cane to hedgerow transplants in accordance with approved planting detail

Native trees, woodland edge transplants and native hedgerow transplant species to be planted in accordance with approved planting detail and specification.

Seeding

Pro Flora seed mix to be supplied by DLF (or similar approved) and sown in accordance with the suppliers recommendations as set out below. Wildflower seed mix to be sown to low nutrient subsoils in accordance with approved specification.
Seed to be bulked up with sand, in a ratio of 4:1 sand to grass by weight and mixed well into the soil by raking followed by rolling.
Amenity grass: DLF PM 26 Ecoseed Low Maintenance Landscape Amenity Grass Seed Mix: (or similar approved) and sown in accordance with suppliers recommendations.

Watering

Undertake watering to field capacity throughout any dry or prolonged dry periods until tree and shrubs planting are established. Watering to be undertaken in accordance with BS8545: 2014 (Section 10.5.17).

Trees and or Hedgerow to be retained and protected

Generally

Prior to commencing any works on site, appropriate protection measures will be installed and if necessary approved by St. Helens Council, all subsequent works either now or in the future in proximity of trees and hedgerow must be undertaken in complete accordance with the following guidance, and if required to an appropriate working method statement and as advised by St. Helens Council.

All existing trees/shrubs indicated as being retained are to received appropriate restorative and formative pruning in accordance with good arboricultural practice where this is required, and particularly where decay and or disease has been previously identified. All restorative work shall be in accordance with BS3998:2010 or as amended.

All trees and mature shrubs to be retained on site to be protected in full accordance with current site practices and BS 5837:2012.

Protective Fencing (if required) is to be in accordance with BS5837: 2012, or as negotiated with St. Helens Council.

Appropriate notice shall be given to the St. Helens Council prior to undertaking said works, and if necessary statutory and written approval sought. Any hedgerow species that may after investigation for decay and disease should require removal or are to be removed during the bird nesting season, must only be done so under the guidance of a qualified and experienced Ecologist and following thorough survey. At anytime, hedgerow species will be removed out with the bird nesting season.

Trees / shrubs and hedgerow to be retained and protected.

- Generally in accordance with previous recommendations and standards (as above) and in summary as follows:
- Preferably no lifting of foundations should occur
- Ensure that only hand digging takes place within the general vicinity of the root plate and the established tree protection zone where this has been identified
- No roots greater than 25mm diameter should be severed without the advice of a qualified Arborist
- No materials stored, nor fires lit or machinery used, within the established protection zones
- No mixing of cement within 10 metres of any tree
- Trenching work for services to be strictly in accordance with NJUG guidelines
- Alterations to ground levels within the tree protection zone will not be permitted

Topsoil storage.

If required, topsoil stripping should be undertaken in accordance with the appropriate British Standard. Stripping should not occur during periods of inclement weather or during heavy ground frost to avoid damage to the soil structure.

Locations for topsoil storage should be identified at an early stage and topsoil stockpiles shall be constructed in accordance with British Standard guidance. Thereafter, appropriate subsoil de-compaction must follow spoil heap removal. This is especially important where works are within a flood plain zone as here.

British Standards relevant to this specification.

The current most relevant standard of each of the following must be followed in the implementation of all landscape operations, unless otherwise advised.

BS 3936-1: Specification for trees and shrubs.

BS 8545: 2014: Trees: From nursery to independence in the landscape; Recommendations.

BS 3998: Tree work - Recommendations

BS 4428: Code of practice for general landscape operations

BS 3882: Specification for topsoil and requirements for use

BS 5837: Trees in relation to construction 2012

BS 3882: 2015 Specification for Top Soil

TYPICAL IMAGES

TYPICAL PLANT SPECIES

OMEGA ZONE 8 PLANTING SCHEDULE

Individual Specimen Trees

Ref. No	SPECIES	HEIGHT (cm)	GIRTH (cm)	DENSITY	TYPE
1	Acer campestre	350-400	14-16	AS SHOWN	Extra Heavy Standard. Root Balled
2	Prunus avium	350-400	14-16	AS SHOWN	Extra Heavy Standard. Root Balled
3	Quercus robur	350-400	14-16	AS SHOWN	Extra Heavy Standard. Root Balled
4	Tilia cordata	350-400	14-16	AS SHOWN	Extra Heavy Standard. Root Balled

Notes:
Trees to be planted in accordance with an approved planting detail and specification.

Native Hedgerow Trees

Ref. No	SPECIES	HEIGHT (cm)	GIRTH (cm)	DENSITY	TYPE
A	Acer campestre	250-300	8-10	AS SHOWN	Standard. Root Balled
B	Prunus avium	250-300	8-10	AS SHOWN	Standard. Root Balled
C	Quercus robur	250-300	8-10	AS SHOWN	Standard. Root Balled
D	Quercus petraea	250-300	8-10	AS SHOWN	Standard. Root Balled

Notes:
Trees to be planted in accordance with an approved planting detail and specification.

Native Woodland Transplant Planting (W)

SPECIES	SIZE (cm)	TYPE	DENSITY	% IN MIX
Acer campestre	40-60	1u1 BR	1.5m Centres	10
Alnus glutinosa	40-60	1u1 BR	1.5m Centres	5
Betula pendula	40-60	1u1 BR	1.5m Centres	10
Betula pubescens	40-60	1u1 BR	1.5m Centres	5
Crataegus monogyna	40-60	1u1 BR	1.5m Centres	10
Corylus avellana	40-60	1u1 BR	1.5m Centres	10
Prunus avium	40-60	1u1 BR	1.5m Centres	8
Quercus petraea	40-60	1u1 BR	1.5m Centres	7
Quercus robur	40-60	1u1 BR	1.5m Centres	20
Sorbus aucuparia	40-60	1u1 BR	1.5m Centres	10
Tilia cordata	40-60	1u1 BR	1.5m Centres	5

Notes:
Native woodland species to be planted in random single specie odd numbered groups of 3,5,7 etc.
All native woodland edge transplants to be planted in accordance with an approved planting detail and specification.
Transplants to be planted within 600mm high green Tubex Shrub shelters or similar approved with timber stake and 2No. ties in accordance with approved planting detail.

Native Woodland Whip Planting (WHP)

SPECIES	SIZE (cm)	TYPE	DENSITY	% IN MIX
Acer campestre	125-150	1+2 BR	1.5m Centres	10
Alnus glutinosa	125-150	1+2 BR	1.5m Centres	5
Betula pendula	125-150	1+2 BR	1.5m Centres	10
Betula pubescens	125-150	1+2 BR	1.5m Centres	5
Crataegus monogyna	125-150	1+2 BR	1.5m Centres	10
Corylus avellana	125-150	1+2 BR	1.5m Centres	10
Prunus avium	125-150	1+2 BR	1.5m Centres	8
Quercus petraea	125-150	1+2 BR	1.5m Centres	7
Quercus robur	125-150	1+2 BR	1.5m Centres	20
Sorbus aucuparia	125-150	1+2 BR	1.5m Centres	10
Tilia cordata	125-150	1+2 BR	1.5m Centres	5

Notes:
Native woodland whip species to be planted in random single specie odd numbered groups of 3,5,7 etc.
All native woodland edge transplants to be planted in accordance with an approved planting detail and specification.

Native Feathered Trees (within Woodland (W) and Whip (WHP) areas: 10 % of area)

SPECIES	Height (cm)	TYPE	% IN MIX
Acer campestre	200-250	Feathered Root Balled	15
Betula pendula	200-250	Feathered Root Balled	15
Crataegus monogyna	200-250	Feathered Root Balled	10
Prunus avium	200-250	Feathered Root Balled	10
Quercus robur	200-250	Feathered Root Balled	25
Quercus petraea	200-250	Feathered Root Balled	5
Sorbus aucuparia	200-250	Feathered Root Balled	12.5
Tilia cordata	200-250	Feathered Root Balled	7.5

Notes:
Trees to be planted in accordance with an approved planting detail and specification.

Native Woodland Edge Transplant Planting (WE)

SPECIES	SIZE (cm)	TYPE	DENSITY	% IN MIX
Acer campestre	40-60	1u1 BR	1m Centres	15
Corylus avellana	40-60	1u1 BR	1m Centres	15
Crataegus monogyna	40-60	1u1 BR	1m Centres	25
Ilex aquifolium	40-60	2Ltr CG	1m Centres	10
Malus sylvestris	40-60	1u1 BR	1m Centres	7.5
Prunus spinosa	40-60	1u1 BR	1m Centres	15
Sambucus nigra	40-60	1u1 BR	1m Centres	2.5
Rosa canina	40-60	1u1 BR	1m Centres	5
Viburnum opulus	40-60	1u1 BR	1m Centres	5

Notes:
Native woodland edge species to be planted in random single specie odd numbered groups of 3,5,7 etc.
All native woodland edge transplants to be planted in accordance with an approved planting detail and specification
Transplants to be planted within 600mm high green Tubex Shrub shelters or similar approved with timber stake and 2No. ties in accordance with approved planting detail.

Native Hedgerow Transplant Planting Mix (NH)

SPECIES	SIZE (cm)	TYPE	DENSITY	% IN MIX
Corylus avellana	40-60	1u1 BR	8 per linear metre. Double Staggered Row	5
Crataegus monogyna	40-60	1u1 BR	8 per linear metre. Double Staggered Row	80
Ilex aquifolium	40-60	3Ltr CG	8 per linear metre. Double Staggered Row	5
Rosa canina	40-60	1u1 BR	8 per linear metre. Double Staggered Row	5
Viburnum opulus	40-60	1u1 BR	8 per linear metre. Double Staggered Row	5

Notes:
Crataegus to be the dominant species within the hedgerow and planted along full length of run. Other species to be planted in random scattered groups of 1, 3, 5no. within hedgerow.
All native transplants to be planted in accordance with an approved planting detail and specification.
Hedgerow transplants to be planted with 600mm high clear spiral rabbit guard and supporting cane in accordance with an approved planting detail.

Native Under Storey Transplant Planting to Plain Plantation (PROVISIONAL)

SPECIES	SIZE (cm)	TYPE	DENSITY	% IN MIX
Acer campestre	40-60	1u1 BR	1m Centres	15
Corylus avellana	40-60	1u1 BR	1m Centres	15
Crataegus monogyna	40-60	1u1 BR	1m Centres	25
Ilex aquifolium	40-60	2Ltr CG	1m Centres	15
Malus sylvestris	40-60	1u1 BR	1m Centres	7.5
Sambucus nigra	40-60	1u1 BR	1m Centres	2.5
Rosa canina	40-60	1u1 BR	1m Centres	10
Viburnum opulus	40-60	1u1 BR	1m Centres	10

Notes:

Allow 15% of area. To be planted in full accordance with BS5837 2012 and approved method statement to prevent damage to tree roots within the existing plantation.
Native woodland edge species to be planted in random single specie odd numbered groups of 3,5,7 etc.
All native woodland edge transplants to be planted in accordance with an approved planting detail and specification.
Transplants to be planted within 600mm high green Tubex Shrub shelters or similar approved with timber stake and 2No. ties in accordance with approved planting detail.

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SAFETY - HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards / risks normally associated with the types of work detailed on this drawing, note the following :

Construction

1. No abnormal risk.

Maintenance / Cleaning

1. The Contractor and Facilities Manager are reminded that the perimeter of the site is maintained as fully accessible to the public. In this, all footpaths and roadways, including those upon which soft landscape impacts, are to be maintained in a clean and tidy condition and free from over hanging vegetation.
2. Particular care is to be taken when maintaining shrub planted areas to avoid accidental contact with dangerous waste materials, which may have been discarded in such areas.
3. The use of chemical based herbicides in landscape maintenance is to be discouraged in favour of organically based herbicides.
4. Pruning of trees and shrubs during the bird nesting season must be undertaken following a thorough inspection for the presence or otherwise of active nests.

Decommissioning / Demolition

1. In the event of existing tree removal, all soft landscape areas and trees must first be inspected for the presence of nesting birds and all protected species generally. Ideally, tree and shrub removal should be undertaken outwith of the recognised bird nesting season which is March to September.
2. Prior to the removal of shrub planting, a thorough site cleanse must be undertaken to establish the absence of any potential dangerous waste material, which could cause accidental harm.

It is assumed that all works will be carried out by a competent contractor, working where appropriate, to an approved method statement. This is not an exhaustive list and reference should be made to the Health and Safety Plan. Where no items are indicated no residual risks are thought to be present.

ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK. PLACEONEARTH ARE TO BE NOTIFIED OF ANY OMISSIONS OR ERRORS PRIOR TO COMMENCEMENT OF ANY SETTING OUT, WORKS OR ORDERING OF MATERIALS.

DO NOT SCALE FROM THIS DRAWING.
FIGURED DIMENSIONS ONLY ARE TO BE USED.

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PLACEONEARTH LTD CAN NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF COMPUTER SOFTWARE USED TO DETERMINE MEASUREMENTS.

EXACT SERVICES LOCATIONS ARE NOT KNOWN AND ARE TO BE CONFIRMED BY THE ENGINEER.
IT IS THE RESPONSIBIUTY OF THE CONTRACTOR PRIOR TO UNDERTAKING ANY WORK OR BREAKING GROUND TO SCAN/CHECK FOR THE LOCATION OF ALL SERVICES AND MARK OUT ON SITE. ANY CONFLICT WITH PROPOSED LANDSCAPE/PLANTING AREAS SHOULD BE REPORTED TO PLACEONEARTH PRIOR TO UNDERTAKING ANY WORKS.

TREE LOCATIONS ARE DEPENDANT ON LOCATION OF ADJACENT/PROPOSED SERVICES AND REQUIRED STANDOFF AND TO BE CONFIRMED BY THE ENGINEER (SEE ABOVE).

ROOT BARRIERS ARE TO BE INSTALLED (WHERE REQUIRED) TO TREES ADJACENT TO SERVICES , BUILDINGS, ROADS AND PATHWAYS AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.

ALL DIMENSIONS ARE IN MILLIMETRES (UNLESS STATED).

THIS DRAWING IS FOR PLANNING PURPOSES ONLY AND NOT FOR CONSTRUCTION.

A.03.

Rev	Date	Description	Drawn
H	30.07.20	Cycle path / path alignment revised in line with WSP plan. TJM plot updated in line with AJA / JBLA layouts. Stream / ditch alignment updated. Landscape general arrangement amended in line with the above.	NRW
G	08.06.20	Note to retained grassland added to TJM Plot.	NRW
F	16.04.20	Note added to TJM plot.	NRW
E	01.04.20	TJM Plot layout revised in line with architects layout. Cycleway alignment revised in line with amended TJM plot.	NRW
D	20.03.20	Schedules revised.	NRW
C	11.03.20	Landscape layout revised in line with St Helens's Council Tree and Woodlands Officer Comments. TJM layout update. Access road updated. Cycleway alignment revised. Schedules revised.	NRW
B	18.12.19	Drawing reference number amended.	NRW
A	17.12.19	Planning boundary amended. Key amended.	NRW

Client
OMEGA ST. HELENS LTD / T.J.MORRIS LIMITED

Project
OMEGA ZONE 8

Title
LANDSCAPE STRATEGY:OMEGA ZONE 8 (OPP DWG 5)

Drawn	Checked	Scale@ A1	Issue
NRW/PT	NRW	1:2000@A0	PLANNING

Drawing No.	Date	Revision
POE_199_001	12/19	H

PlaceOnEarth
landscape design
68 St. Mary's Avenue, Whitley Bay, Tyne and Wear, NE26 1TA
Tel: +44 (0) 7966 002 082
E mail: contact@placeonearth.co.uk

DO NOT SCALE

KEY

HYBRID PLANNING APPLICATION BOUNDARY

WATERCOURSE DIVERSION CORRIDOR

A.04.

REV	DATE	BY	DESCRIPTION	CHK	APP
D	06/08/2020	TS	MASTERPLAN ADDED	SG	SG
C	04/08/2020	TS	UPDATED FOLLOWING COMMENTS	SG	SG
B	31/07/2020	TS	SHADED AREA UPDATED	SG	SG
A	19/07/2020	TS	FIRST ISSUE	SG	SG

DRAWING STATUS:
PLANNING

wsp
8 First Street, Manchester, M15 4GU, UK
T+ 44 (0) 161 200 5000
wsp.com

CLIENT:
OMEGA ST HELENS LTD / T.J. MORRIS LIMITED

ARCHITECT:
N / A

SITE/PROJECT:
OMEGA
ZONE 8
ST HELENS

TITLE:
PARAMETERS PLAN 4
WATERCOURSE DIVERSION
OPP DWG. 12

SCALE @ A1:	CHECKED:		APPROVED:
1:1000	SG		SG
PROJECT NO: 70065969	DESIGNED: TS	DRAWN: TS	DATE: July 20

DRAWING No:	REV:
5969-Z8-SK-015	D

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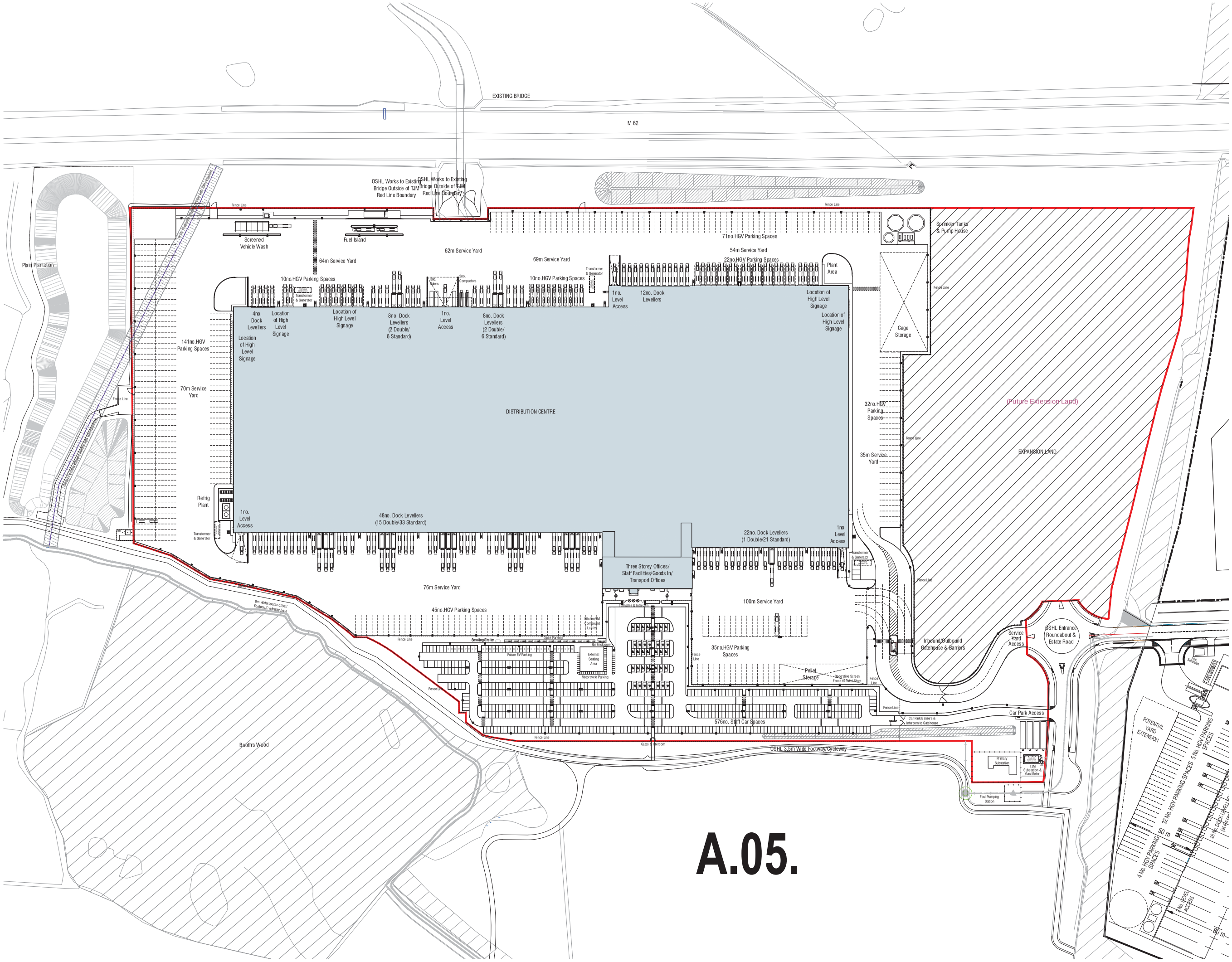
File name D:\ONEDRIVE\WSP\OMEGA ZONE 8\DRAWINGS\5969-Z8-SK-015.DWG, printed on 08 August 2020 11:56:30, by Toby Smith



A.05.

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Schedule of Accommodation

All areas are approximate gross internal.

Distribution Centre	829,725 sq.ft	77,084 m²
Three Storey Offices/ Staff Facilities/Goods In / Transport Office	48,287 sq.ft	4,486 m²
Overall Total	878,012 sq.ft	81,570 m²

Car Parking	576 spaces
Inc. Disabled Parking	35 spaces
Inc. Future Electric Vehicle	39 spaces
Cycle Parking	156 spaces
Motorcycle Parking	48 spaces

0m 50m 100m
Scale

no.	date	revision	by
G	31-07-20	Balance ponds amended. Footway/cycleway realigned, and site boundary amended to suit.	Kmf/ Sra
F	24-06-20	Footway/cycleway updated	spp
E	23-04-20	Smoking Shelter relocated	spp
D	20-04-20	Pump station & service road added to balance ponds; Car park layout adjusted; Parking added for sevice vehicles; Adjustments to island to NE corner of building; Scale bar added	CT
C	11-03-20	Post & rail fence added around balance pond area; Fence line adjusted to SE corner adjacent to footpath; Trailer parking extended to SE corner; Car park layout adjusted; Gates added to car park & site entrances	CT
B	20-01-20	Minor amendments	spp
A	18-12-19	Minor amendments	Kmf

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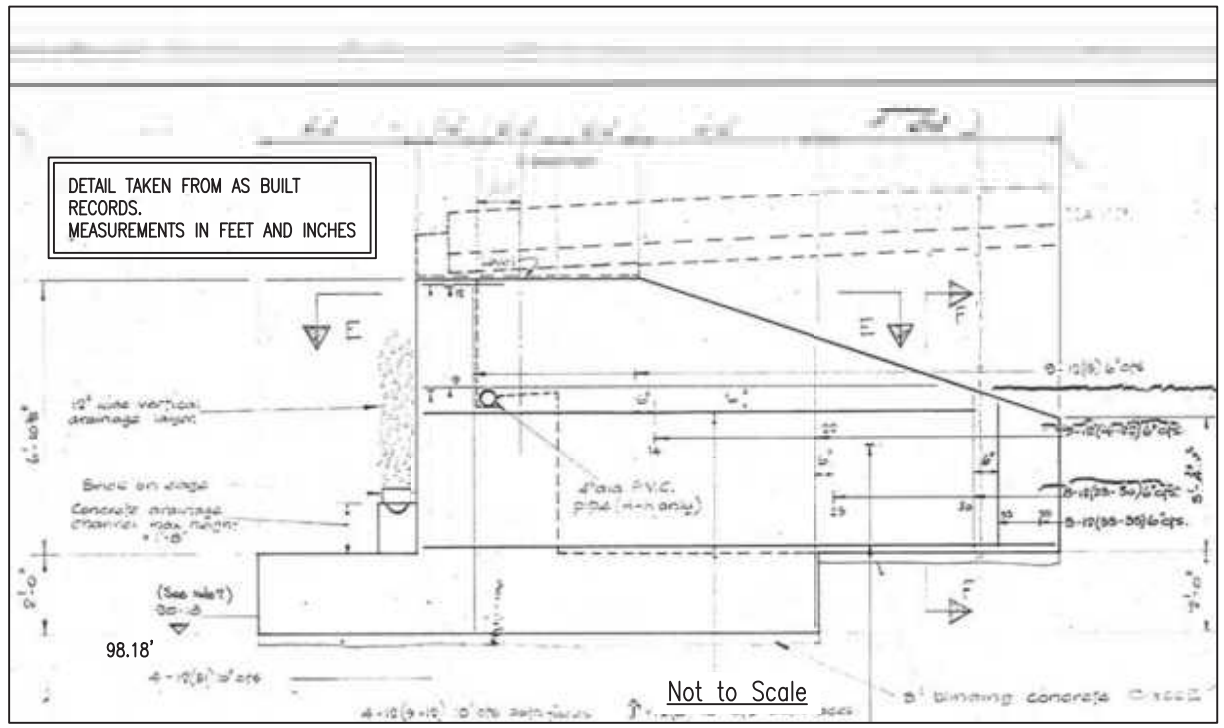
client
Omega St Helens Ltd/
TJ Morris Ltd

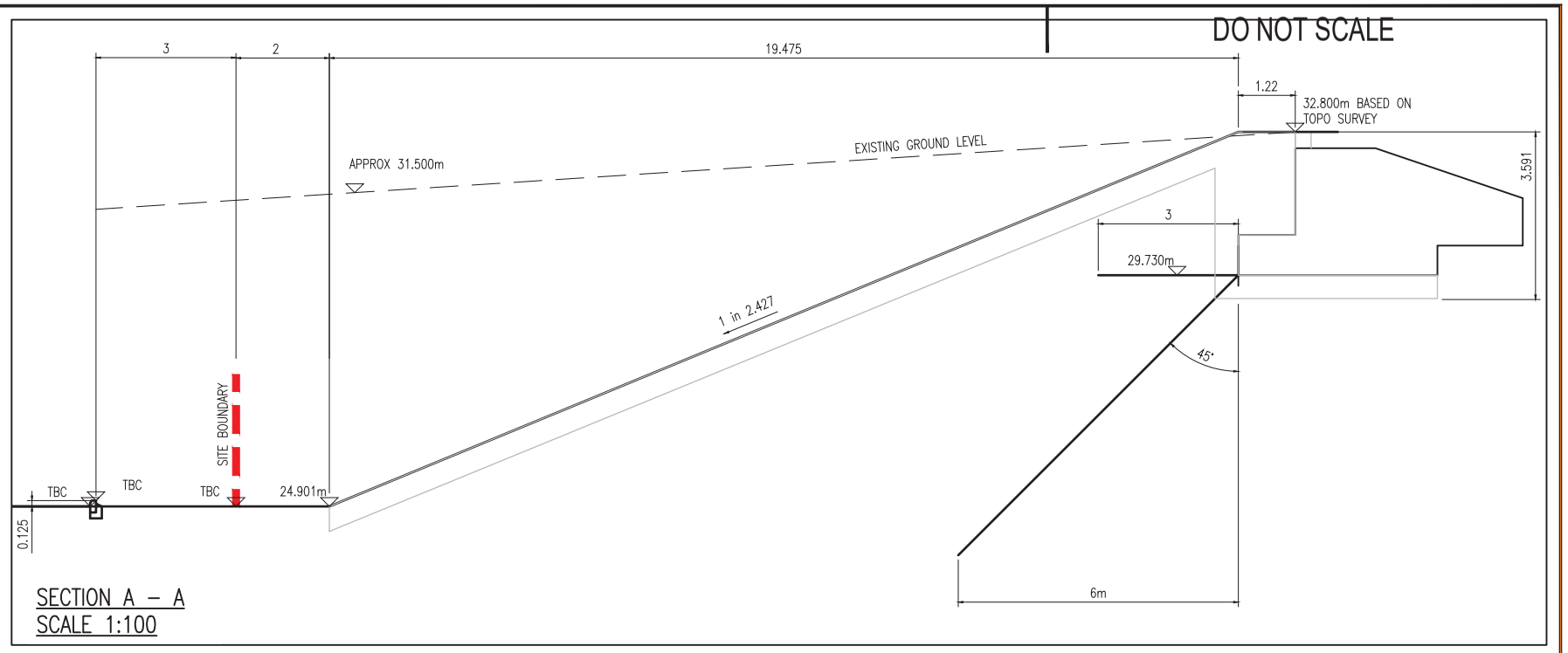
project
Unit 1
Omega Zone 8
St. Helens

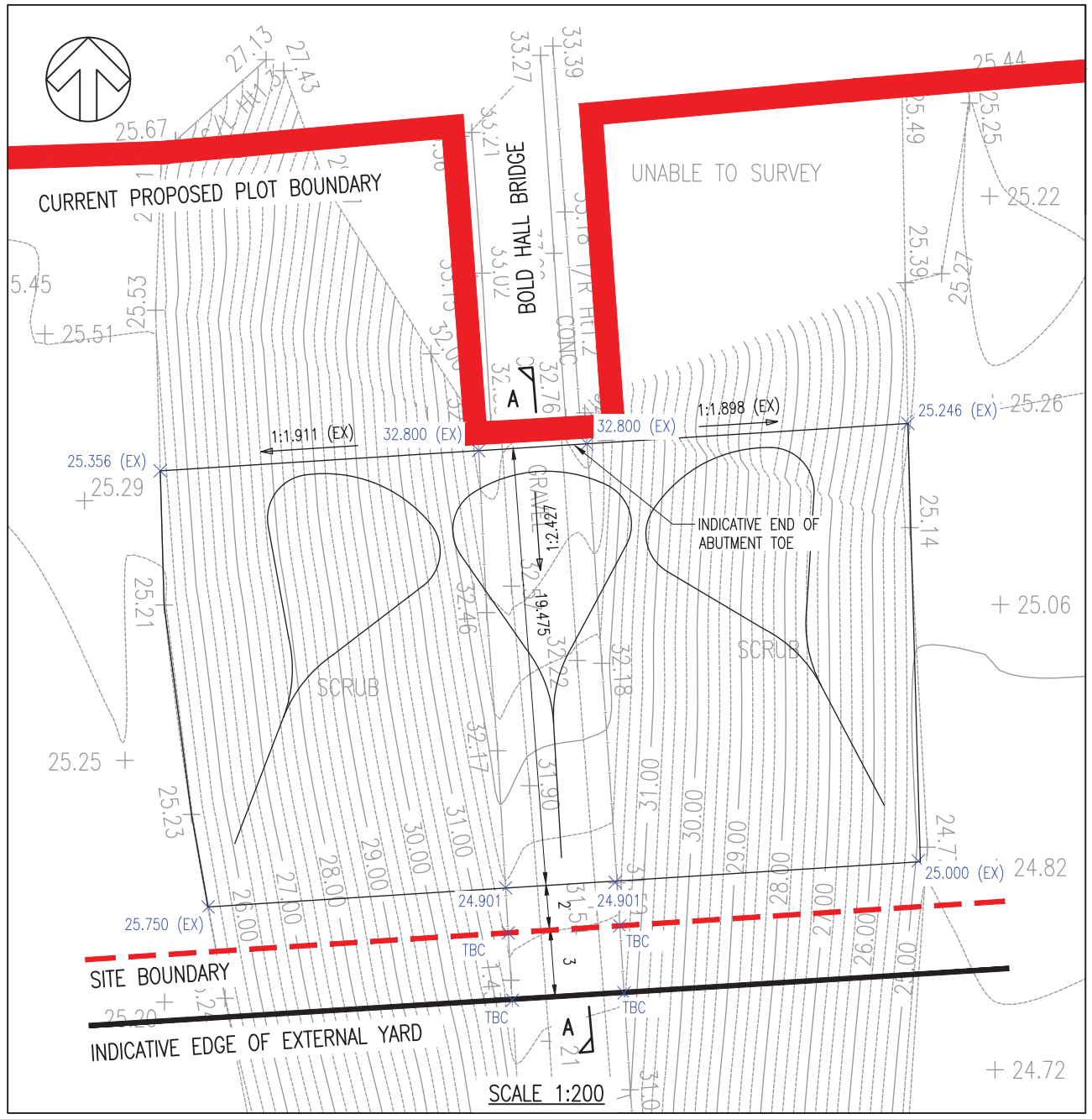
drawing
Proposed Site Layout Plan
UNIT 1 DWG 1

scale	1:1250 @ A1	drawn	spp
checked	aips	date	12-12-19

no
$-6385-181 G







A.06.

REV	DATE	BY	DESCRIPTION	CHK	APP
A	18/12/2019	TS	FIRST ISSUE	SG	SG

DRAWING STATUS:
PLANNING

wsp

8 First Street, Manchester, M15 4GU, UK
T+ 44 (0) 161 200 5000
wsp.com

CLIENT:
OMEGA ST HELENS LTD / T.J. MORRIS LIMITED

ARCHITECT:
N/A

PROJECT:
OMEGA
ZONE 8
ST HELENS

TITLE:
BOLD HALL BRIDGE SOUTH RAMP WORKS
INFRA DWG.14.1

SCALE @ A2:	CHECKED:		APPROVED:
AS SHOWN	SG		SG
PROJECT No: 70065969	DESIGNED: TS	DRAWN: TS	DATE: December 19

DRAWING No: 5969-Z8-BR-100
REV: A

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File name D:\ONEDRIVE\WSP\OMEGA ZONE 8\DRAWINGS\5969-Z8-BR-100.DWG, printed on 18 December 2019 10:42:58, by Toby Smith

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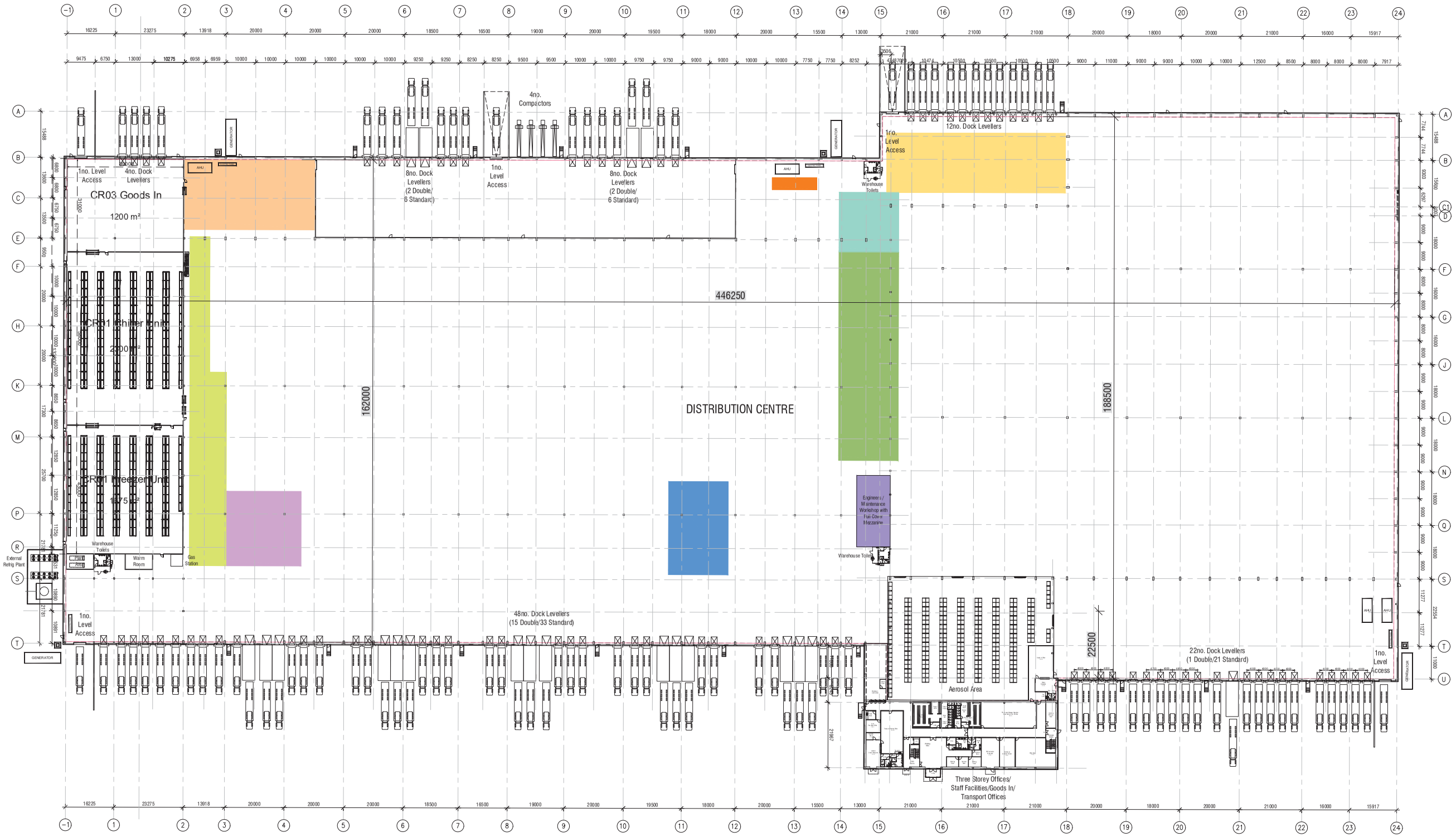

AREAS KEY

- Bogies and Paper - 20m x 60m = 1,200m²
- Charging - 4m x 15m = 60m²
- Area A - 20m x 40m = 800m²
- Awkwards - 20m x 70m = 1,400m²
- Internet - 31.25m x 20m = 625m²
- Plants - 25m x 25m = 625m²
- F & V Pick - 12.3m (max) x 110.5m = 1,100m²
- Empty RC Buffer - 44m x 23.52m = 1,035m²
- Engineers / Maintenance Workshop with Full Cover Mezzanine 11.25m x 24m = 270m²

A.07.

no.	date	revision	by

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client
Omega St Helens Ltd/
TJ Morris Ltd

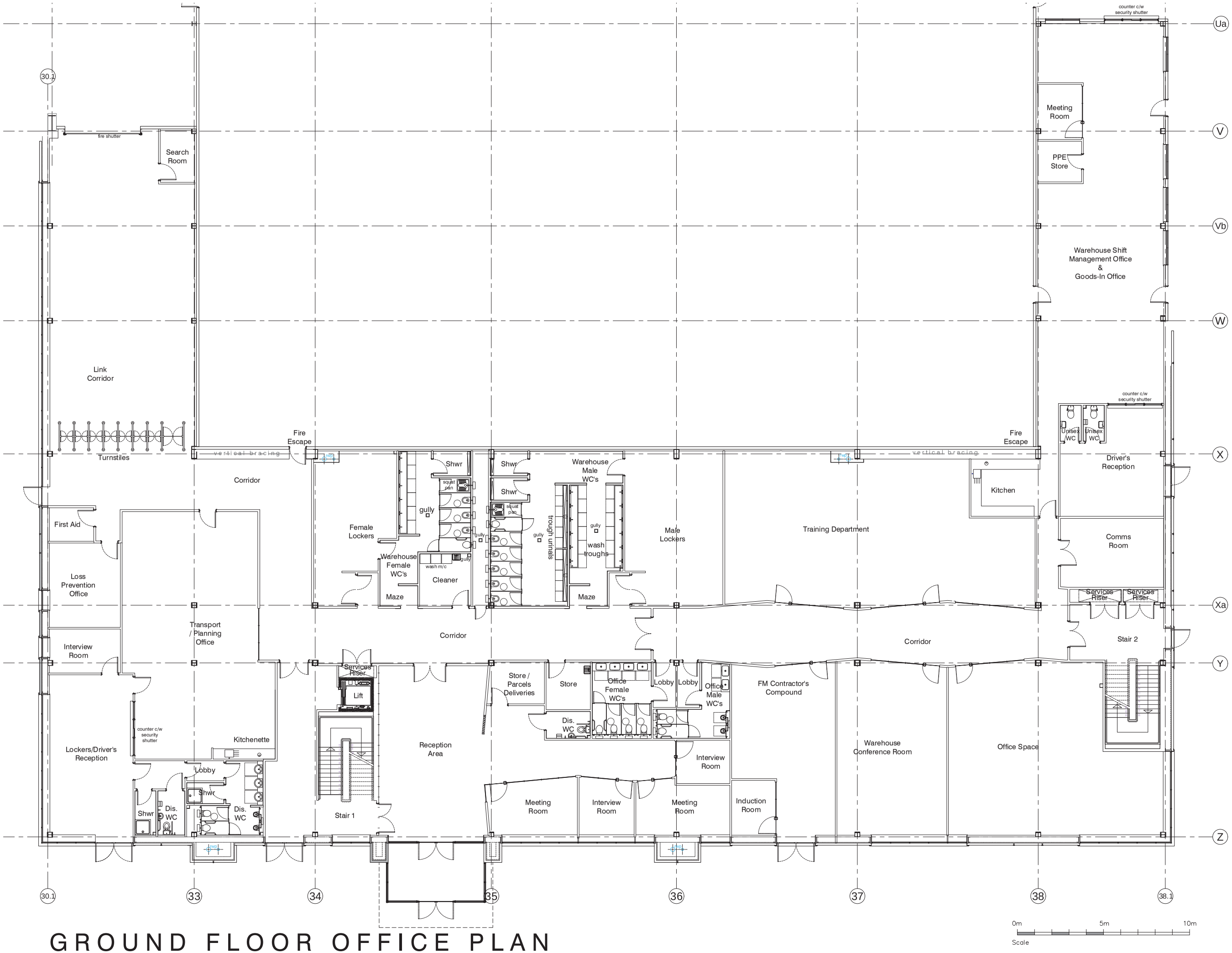
project
Unit 1
Omega Zone 8
St. Helens

drawing
Proposed Building Plan
UNIT 1 DWG.0

scale 1:500 @ A0 drawn spp

checked sp date 10 December 2019

no
6385 - 180



GROUND FLOOR OFFICE PLAN

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A.08.

no.	date	revision	by
C	20-04-20	Internal layout updated to reflect design development and Tender Stage drawings.	rp
B	17-01-20	Window from First Aid Room to West Elevation omitted	rp
A	14-01-20	Windows added	rp

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client

OMEGA St HELENS Ltd
TJ MORRIS Ltd

project

Unit 1
Omega Zone 8
St. Helens

drawing

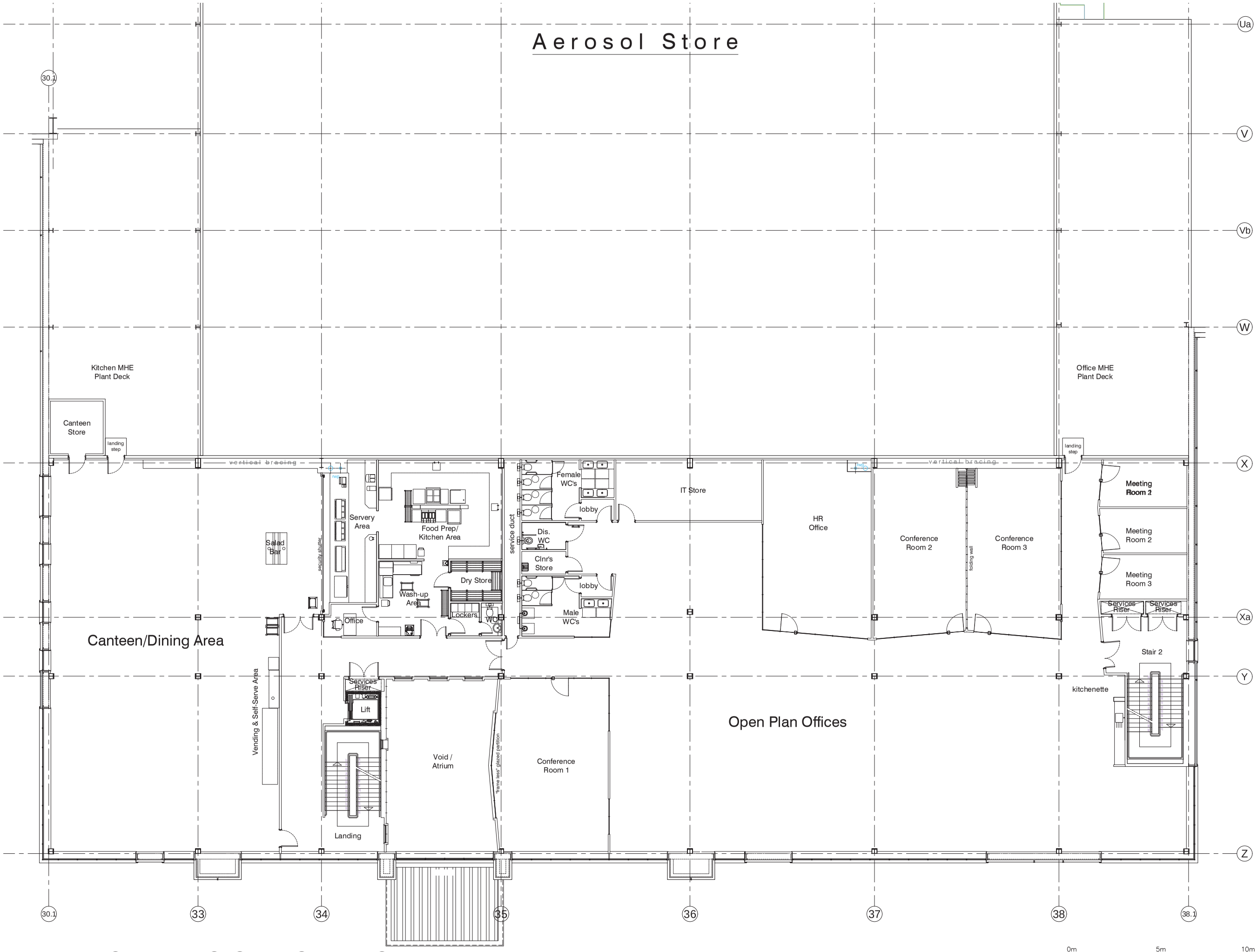
Office Plan Layout
- Ground Floor
UNIT 1 DWG.3

scale	1:100 @A1	drawn	RPW
checked	KF	date	17.04.20

no

6385-183-Rev C

PLANNING



FIRST FLOOR OFFICE PLAN

0m 5m 10m
Scale

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A.09.

no.	date	revison	by
C	20-04-20	Internal layout updated to reflect design development and Tender Stage drawings.	rp
B	17-01-20	Window from First Aid Room to West Elevation omitted	rp
A	14-01-20	Windows added	rp

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client
OMEGA St HELENS Ltd
TJ MORRIS Ltd

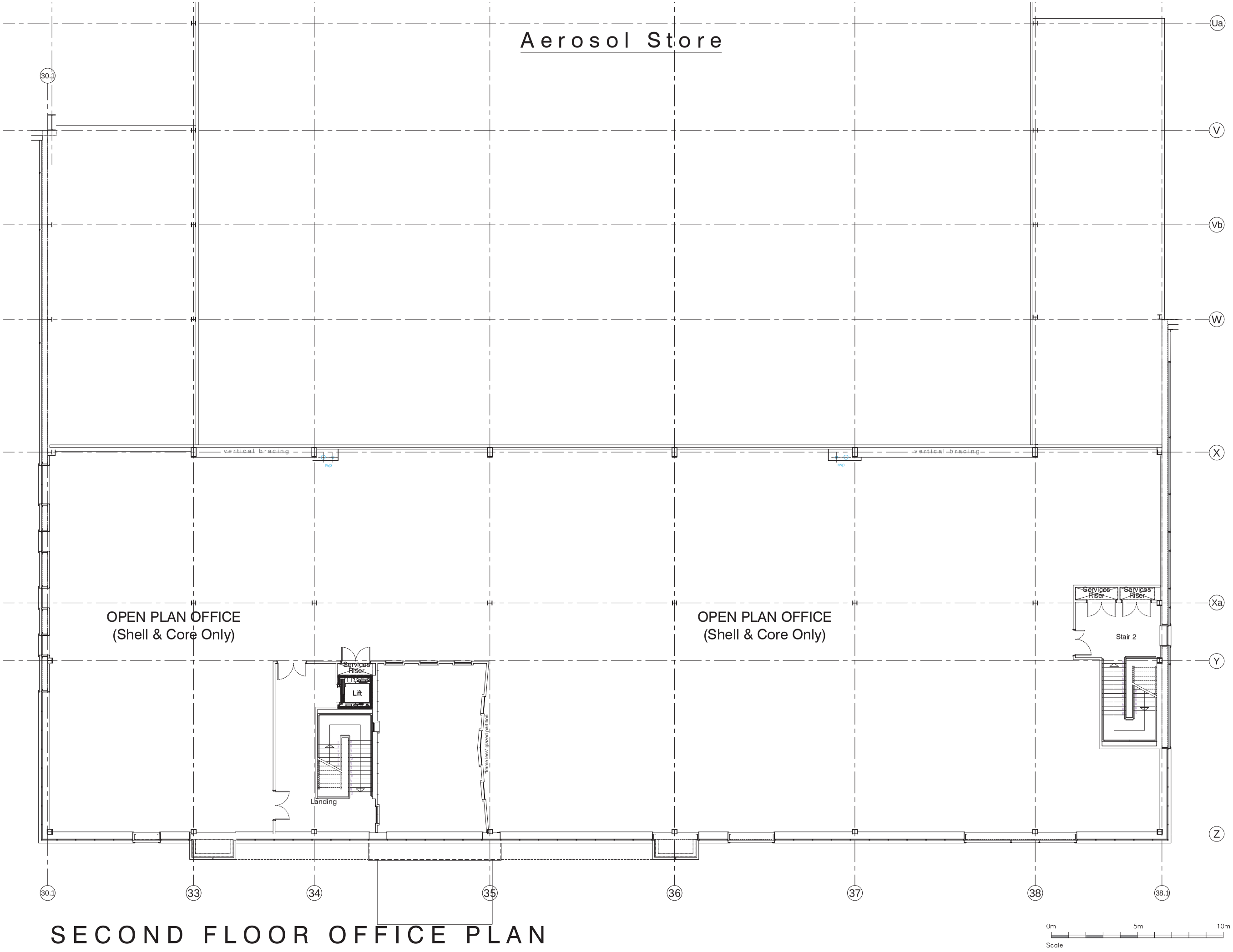
project
Unit 1
Omega Zone 8
St. Helens

drawing
Office Plan Layout
- Ground Floor
UNIT 1 DWG.4

scale	1:100 @A1	drawn	RPW
checked	KF	date	17.04.20

no
6385-184-Rev C

PLANNING



SECOND FLOOR OFFICE PLAN

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A.10.

no.	date	revision	by
C	20-04-20	Internal layout updated to reflect design development and Tender Stage drawings.	rp
B	17-01-20	Window added to Open Plan Offices to West Elevation	rp
A	14-01-20	Windows added	rp

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client

OMEGA St HELENS Ltd
TJ MORRIS Ltd

project

Unit 1
Omega Zone 8
St. Helens

drawing

Office Plan Layout
- Second Floor
UNIT 1 DWG.5

scale	1:100 @A1	drawn	RPW
checked	KF	date	17.04.20

no

6385-185-Rev C

PLANNING

notes

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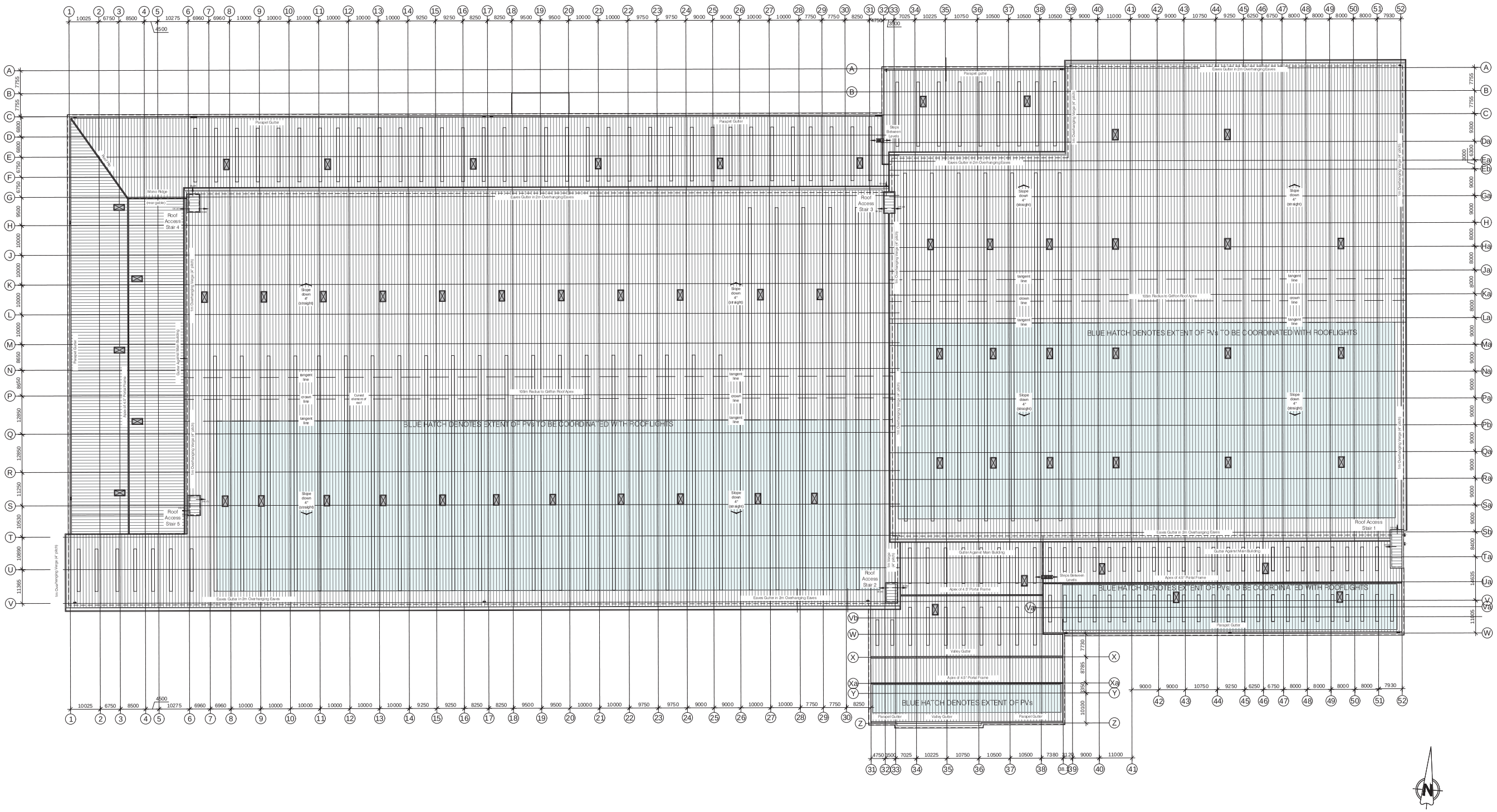
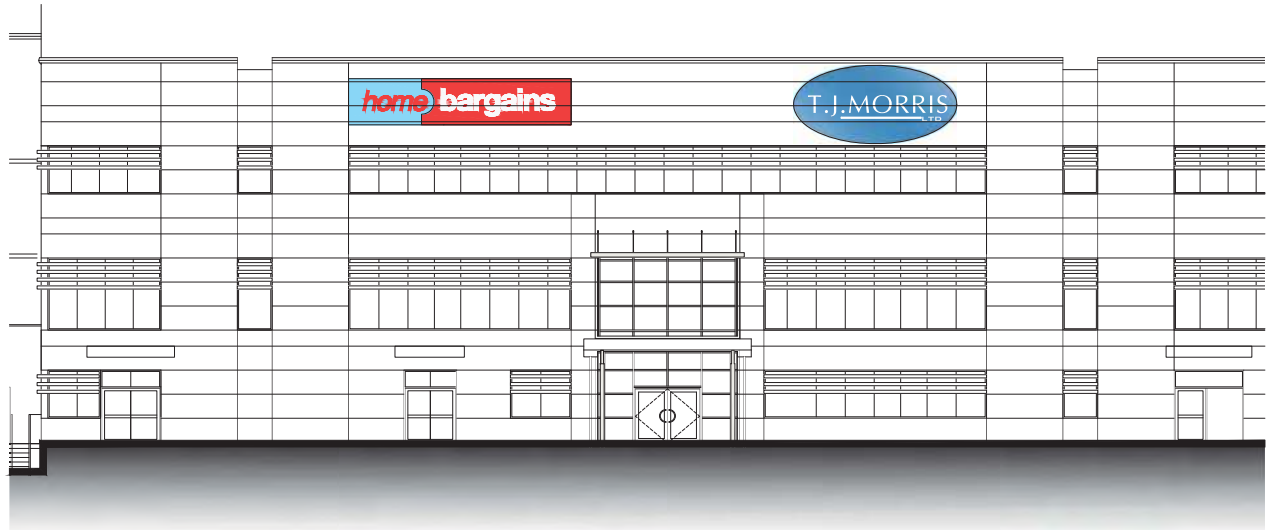
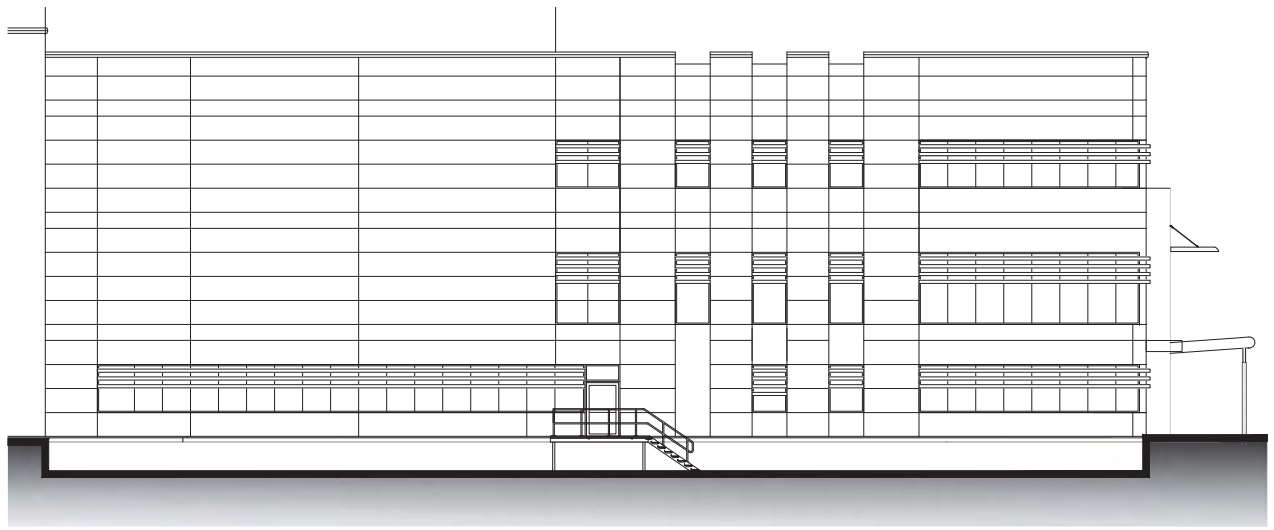
A.11.


BLUE HATCH DENOTES EXTENT OF PVs TO BE COORDINATED WITH ROOFLIGHTS
Parapet Gutter
Eaves Gutter in 2m Overhanging Eaves
Roof Access Stair 1
Roof Access Stair 2
Roof Access Stair 3
Roof Access Stair 4
Roof Access Stair 5
Mono Ridge
Valley Gutter
Gutter Against Main Building
Apex of 4.5° Portal Frame
Apex of 4.8° Portal Frame
Slope Between Levels
Slope down 4° (straight)
tangent line
crown line
Curved element of roof
Eaves Radius to Gallus Roof Apex
Apex of 4.5° Portal Frame
Apex of 4.8° Portal Frame
Gutter Against Main Building
Gutter Against Main Building
Parapet Gutter
Valley Gutter
Parapet Gutter
Valley Gutter
Parapet Gutter
Parapet Gutter
Gutter Against Main Building
Gutter Against Main Building
Gutter Against Main Building

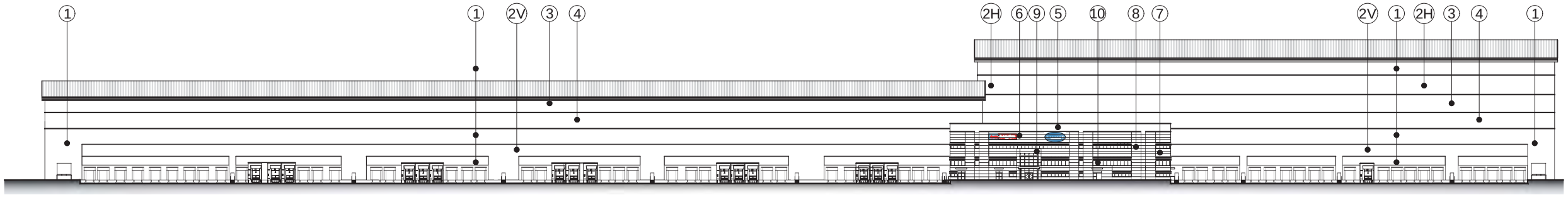


Office Main Entrance
Close up View, scale 1:100

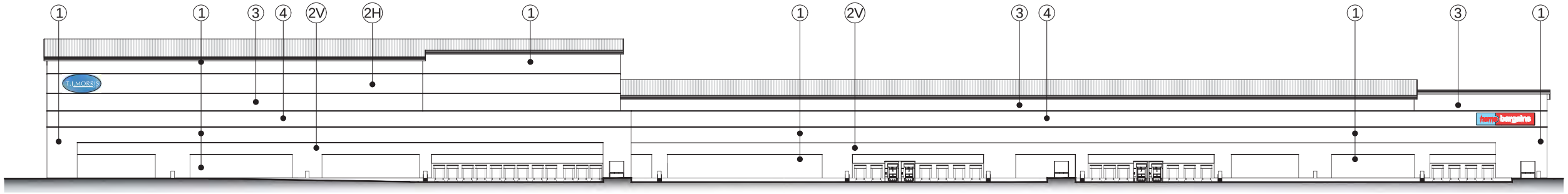


Office Building Side Elevation
Close up View, scale 1:100

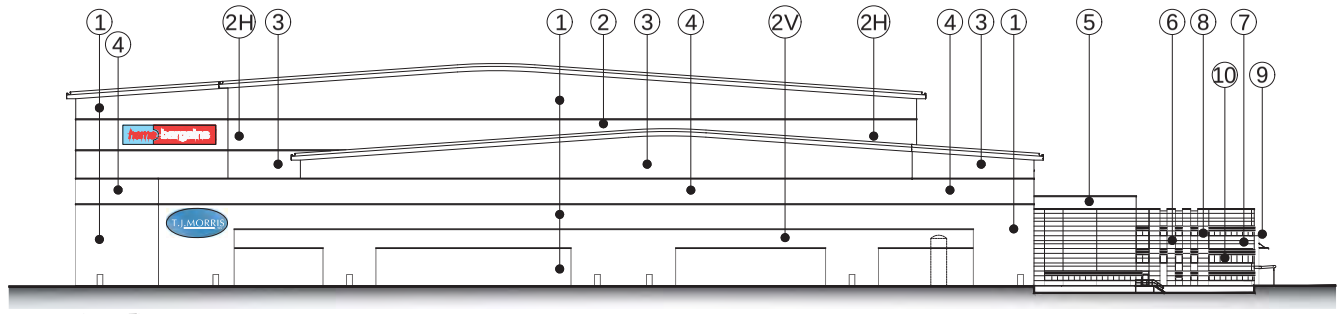
A.12.



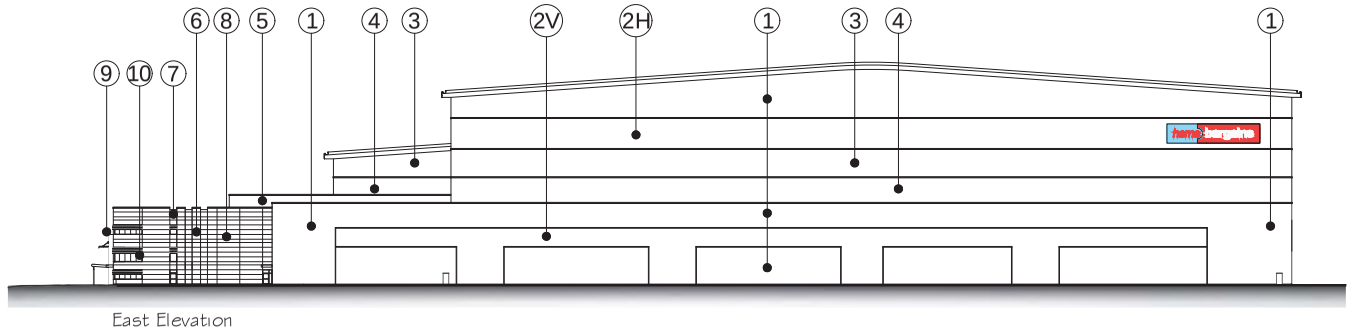
South Elevation



North Elevation



West Elevation



East Elevation

Schedule of Material

ROOF CONSTRUCTION

High Bay & Low Bay-CA Twin-Therm Griffon System:
Profiled steel cladding comprising;
0.7mm thick outer sheet, with HPS200 Ultra Finish.
Colour: Goosewing Grey, RAL 080 70 05

Translucent (mansafe), non fragile insulated triple skin GRP roof lights.

Uninsulated eaves gutters, manufactured from 1.5mm pre-galvanised steel with 1.2mm pre-bonded PVC lining, with siphonic drainage, complete with weir overflows.

Projecting eaves with PPC profiled steel fascia, with pre-formed mitred corners and trapezoidal soffit.
Higher Level - Colour: Ice Blue, RAL 230 80 10
Lower Level - Colour: Slate Grey/Basalt, RAL 7012

Roof Generally-CA Twin-Therm Pitched Roof:
Profiled steel cladding comprising;
0.7mm thick outer sheet, with HPS200 Ultra Finish.
Colour: Goosewing Grey, RAL 080 70 05

Insulated valley gutters and parapet gutters, manufactured from 1.5mm pre-galvanised steel with 1.2mm pre-bonded PVC lining, with siphonic drainage, complete with weir overflows.

WALL CONSTRUCTION

(1) Trapezoidal profiled built up wall cladding system horizontally laid comprising;
0.7mm thick outer sheet;
Colour: White, RAL 9003.

(2V) Trapezoidal profiled built up wall cladding system vertically laid comprising;
0.7mm thick outer sheet.
Colour: Ice Blue, RAL 230 80 10

(2H) Trapezoidal profiled built up wall cladding system horizontally laid comprising;
0.7mm thick outer sheet.
Colour: Ice Blue, RAL 230 80 10

(3) Trapezoidal profiled built up wall cladding system horizontally laid comprising;
0.7mm thick outer sheet.
Colour: Adventura/Alaska Grey, RAL 7000

(4) Trapezoidal profiled built up wall cladding system horizontally laid comprising;
0.7mm thick outer sheet.
Colour: Basalt/Slate Grey, RAL 7012

(5) Trapezoidal profiled built up wall cladding system horizontally laid comprising;
0.7mm thick outer sheet.
Colour: Basalt/Slate Grey, RAL 7012

EXTERNAL WALLS AND WINDOWS to Office Area

(6) Horizontal spanning composite microrib panel, with pre-formed mitred corners.
Colour: White, RAL 9003

(7) Horizontal spanning composite microrib panel, with pre-formed mitred corners.
Colour: Adventura/Alaska Grey, RAL 7000

(8) Horizontal spanning composite microrib panel, with pre-formed mitred corners.
Colour: Basalt/Slate Grey, RAL 7012

(9) Projecting frame around main entrance formed in composite flat steel faced panel, with pre-formed mitred corners.
Colour: White, RAL 9003

(10) PPC Window /door frames and curtain walling with grey tinted anti-sun glazing and grey lookalike panel spandrels where required.
External frame colour: Basalt/Slate Grey, RAL 7012,
Internal frame colour: White, RAL 9003.

PPC Louvres to main offices.
Colour: White, RAL 9003

Preformed flashing as shown to match cladding.
Colour: To match cladding

ENTRANCE CANOPY
Free standing steel & glass canopy.
Galvanised steel columns with heavy duty with exterior grade paint protection system.
Colour: White, RAL 9003

PERSONNEL DOORS
Metal faced flush Door, with Paint finish.
Colour: To match Basalt/Slate Grey, RAL 7012

LOADING DOORS
Electrically operated steel sectional insulated level entry doors with vision panels,
Hormann UK Ltd, Model Ref: SPU 40 (or similar approved)
Colour: To match Basalt/Slate Grey, RAL 7012
1500mm high painted galvanised steel bollard protection to edges of door openings.

DOCK LEVELLERS DOORS
Electrically operated steel sectional insulated doors with vision panels to standard docks/double docks, together with Dock Levellers and Shelters.
Colour: To match Basalt/Slate Grey, RAL 7012

'Prowall' system or similar approved to be installed to all dock levellers.

EXTERNAL PLANT ENCLOSURE
Vertical hit & miss timber boarding finished with stain.
Stain Colour: Natural

notes

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no.	date	revision	by

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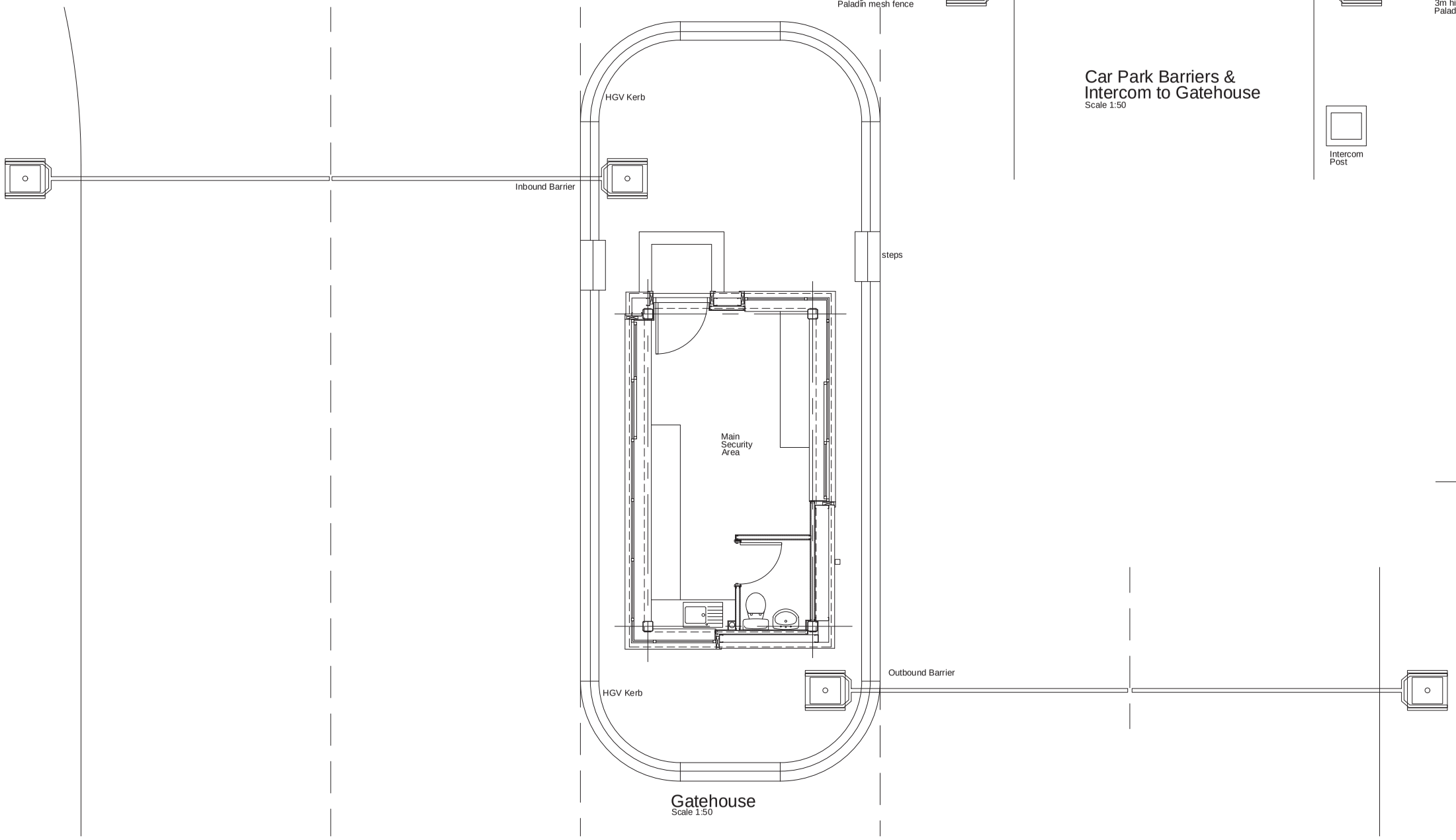
client
Omega St Helens Ltd/
TJ Morris Ltd

project
Unit 1
Omega Zone 8
St. Helens

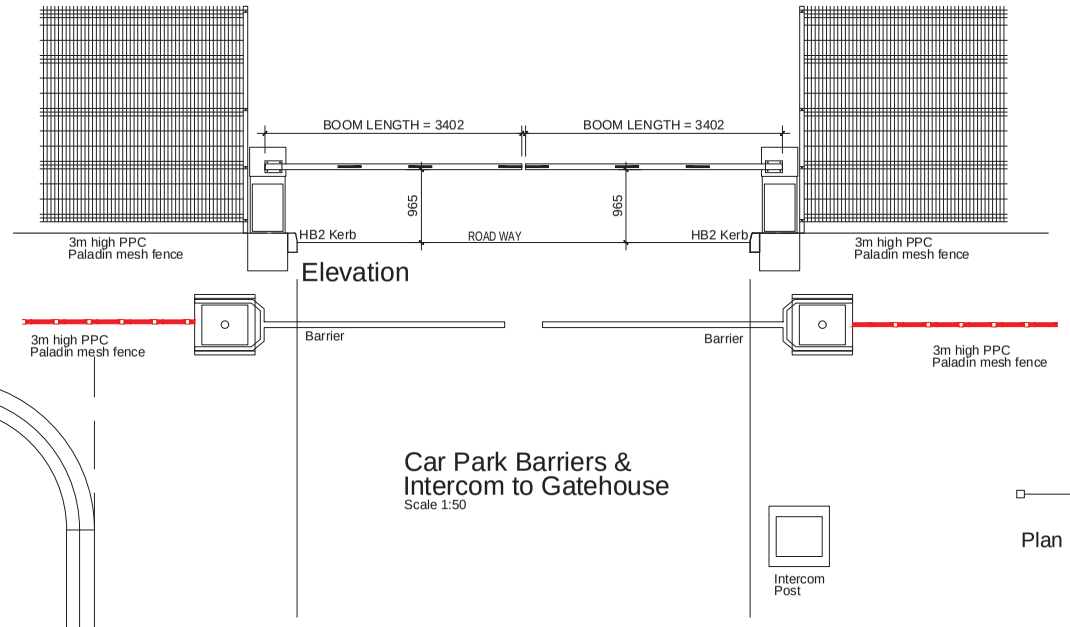
drawing
Proposed Elevations
(No Hatch)
UNIT 1 DWG.2a

scale 1:500 @ A0 drawn rp
checked tpp date 14/01/20

no
6385 - 193

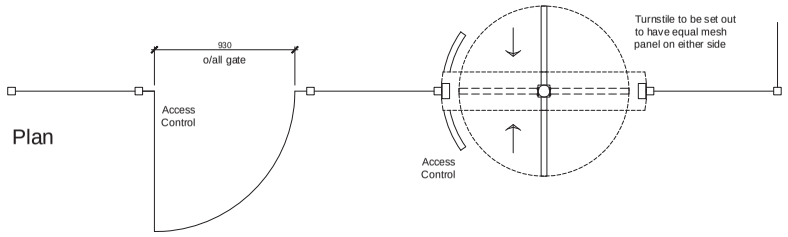


Gatehouse
Scale 1:50

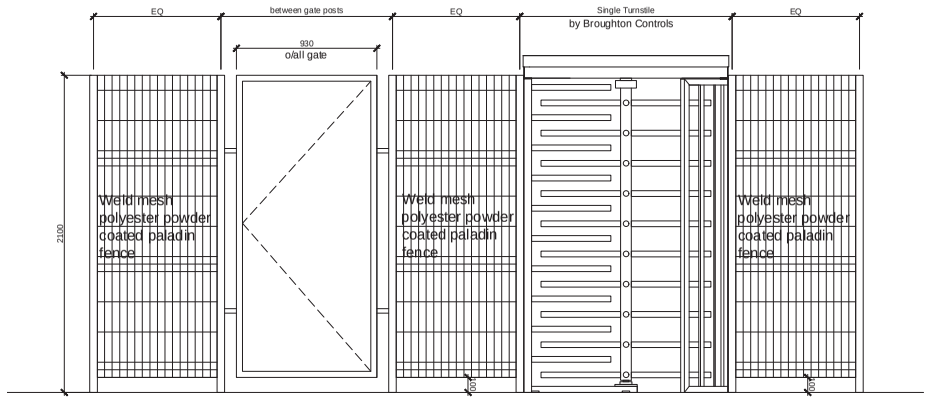


Elevation

Car Park Barriers &
Intercom to Gatehouse
Scale 1:50

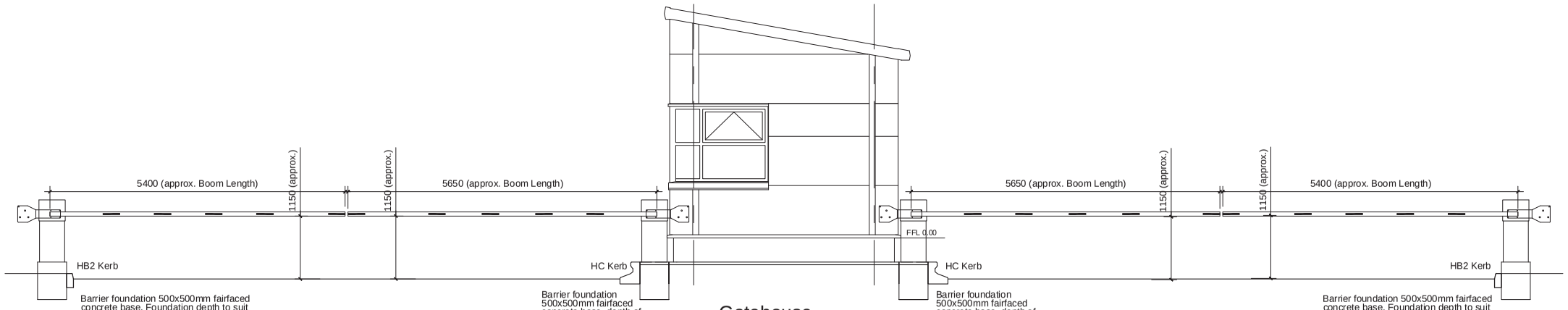


Plan



Typical Turnstile
& Gate Details
scale 1:25

Elevation



Gatehouse
Barrier Elevations
Scale 1:50

notes

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A.13.

no.	date	revision	by

aja architects

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aja architects llp is a limited liability partnership registered in England No. OC326721

client

Omega St Helens Ltd/
TJ Morris Ltd

project

Unit 1
Omega Zone 8
St. Helens

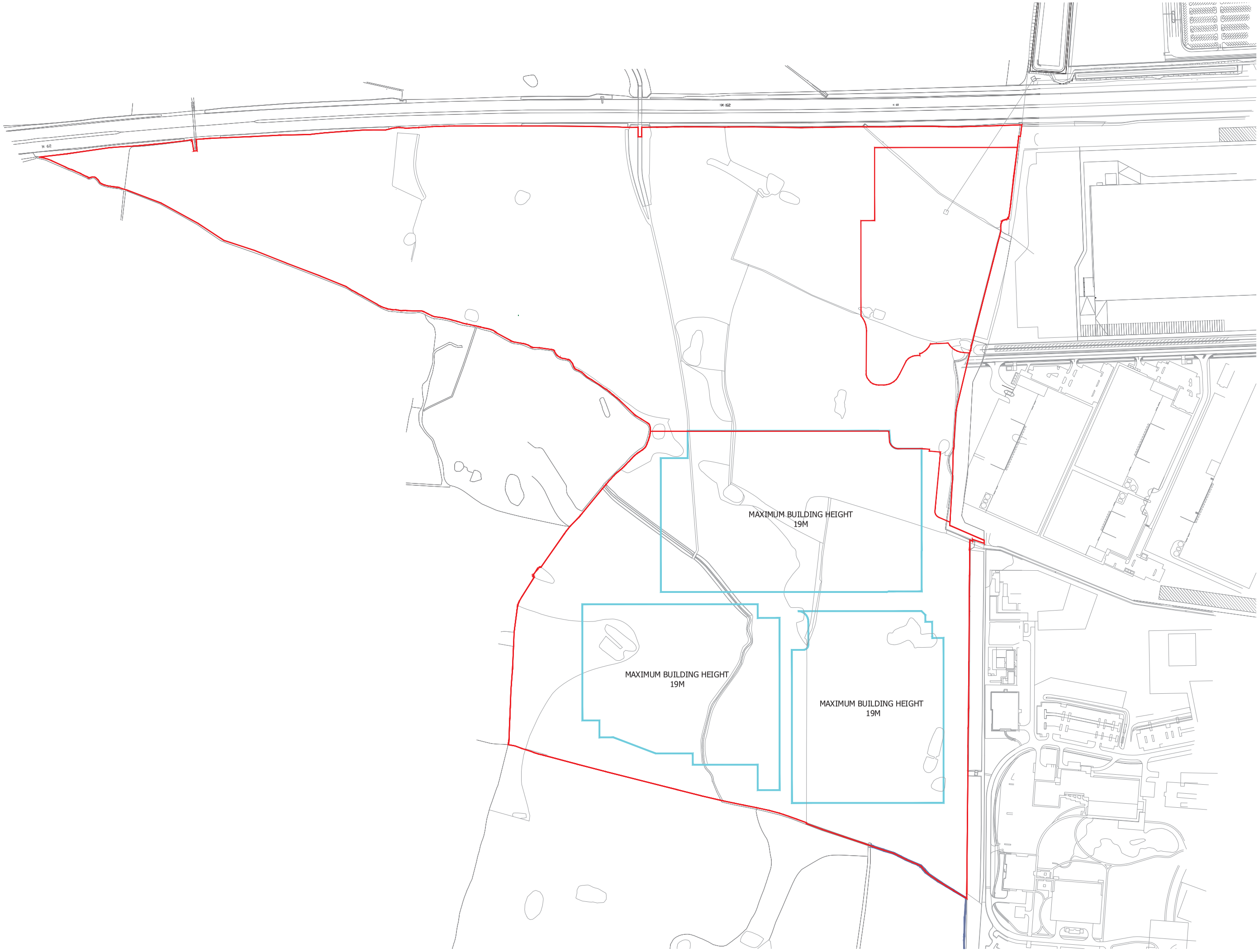
drawing

Barriers,
Turnstile & Gate Details
UNIT 1 DWG. 15

scale	various @ A1	drawn	rp
checked	sp	date	12-12-19

no

6385 - 192



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The CDM hazard management procedures for the Chetwoods aspects of the design of this project are to be found on the "Chetwoods - Hazard Analysis and Design Risk Assessment" and/or drawings. The full project design teams comprehensive set of hazard management procedures are available from the Principle Designer appointed for the project.

North

0m 20m 40m 60m 80m 100m 1:2500

Site Boundary

Development Boundary

Boundary red line is based on rescaled Title plan: MS366065, MS462582, MS407532 & Homes&Communities Agency Site Plan HCA Land to the west of Omega St Helen's ApH21544 14.01.2016, the accuracy can not be relied on.

Boundary & road layout based on rescaled WSP T.J Morris Civils Works Plan, 0723-ZB-GA-100, the accuracy can not be relied on. Refer to WSP drawing for details.

B.01.

Rev	Revision Description	Date	Author/ Reviewer
PL9	Unit 1 updated	03/08/20	RC/SF

PLANNING

32 Frederick Street,
Birmingham, B1 3HH

+44 (0)121 234 7500
www.chetwoods.com

chetwoods

Project

OMEGA ZONE 8, ST HELENS

Client

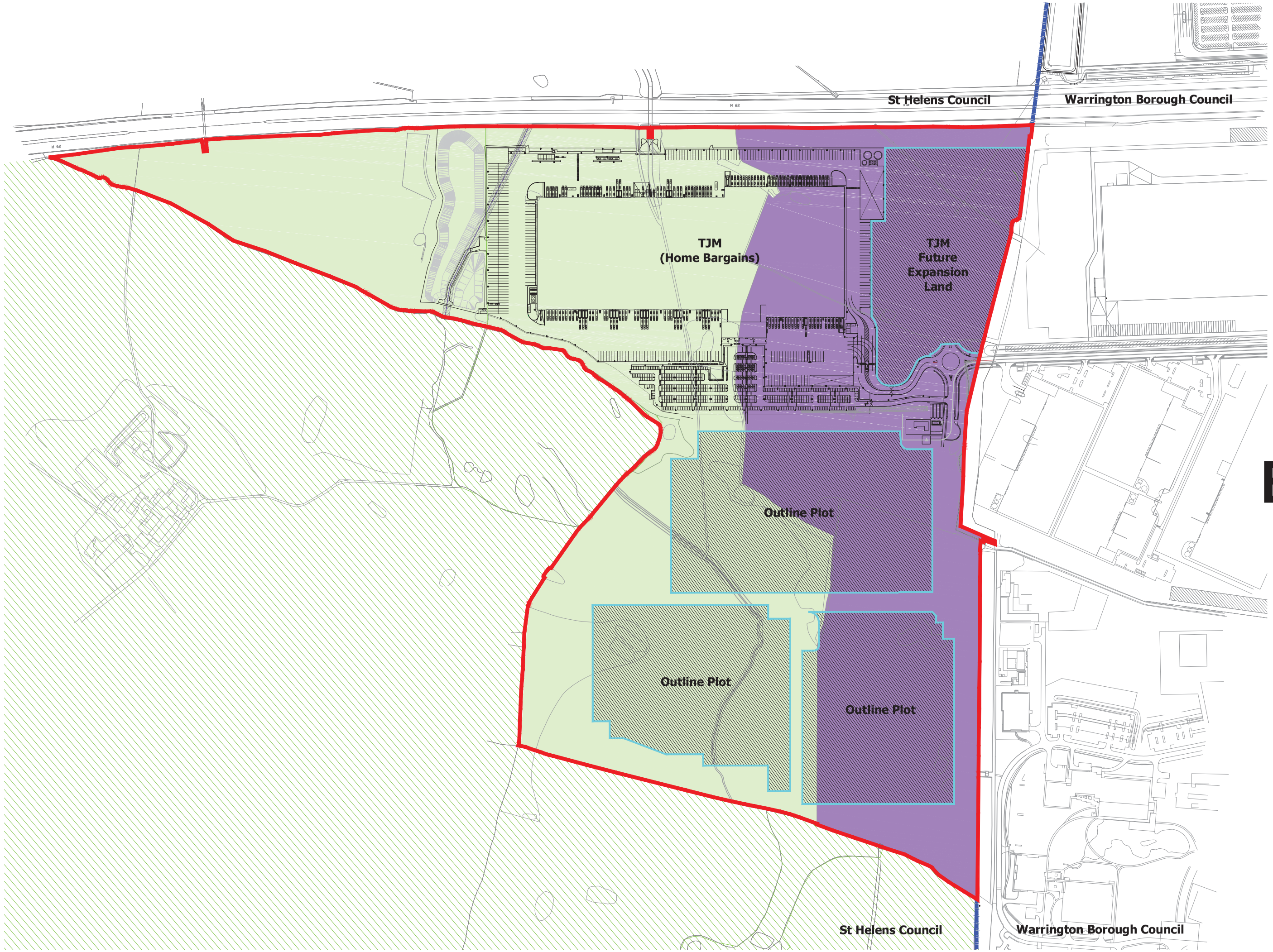
OMEGA ST HELENS LTD / T.J.MORRIS LTD

Drawing Title

PARAMETER PLAN 2 -
MAXIMUM BUILDING HEIGHTS PLAN
OPP DWG.3.2

Scale	Size	Drawn	Checked	Date
1:2500	A1	RC	SF	23/10/19

Project	Originator	Zone	Level	Type	Role	Number	Rev.
4150	CA	00	00	DR	A	00007	PL9



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North

0m 20m 40m 60m 80m 100m 1:2500

Application Boundary
LPA Boundary
Green Belt
Draft Policy 1EA area
Outline Plots

Boundary red line is based on rescaled Title plan: MS366065, MS462582, MS407532 & Homes&Communities Agency Site Plan HCA Land to the west of Omega St Helen's AphI2544 14.01.2016, the accuracy can not be relied on.

Boundary & road layout based on rescaled WSP T J Morris Civils Works Plan, 0723-ZB-GA-100, the accuracy can not be relied on. Refer to WSP drawing for details.

B.02.

Rev	Revision Description	Date	Author/ Reviewer
SK4	Updated as Comments	23/03/21	RC/SF
SK3	Updated as Comments	23/03/21	RC/SF
SK2	Updated as Comments	22/03/21	RC/SF
SK1	FIRST ISSUE	18/03/21	RC/SF

SKETCH

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Birmingham, B1 3HH
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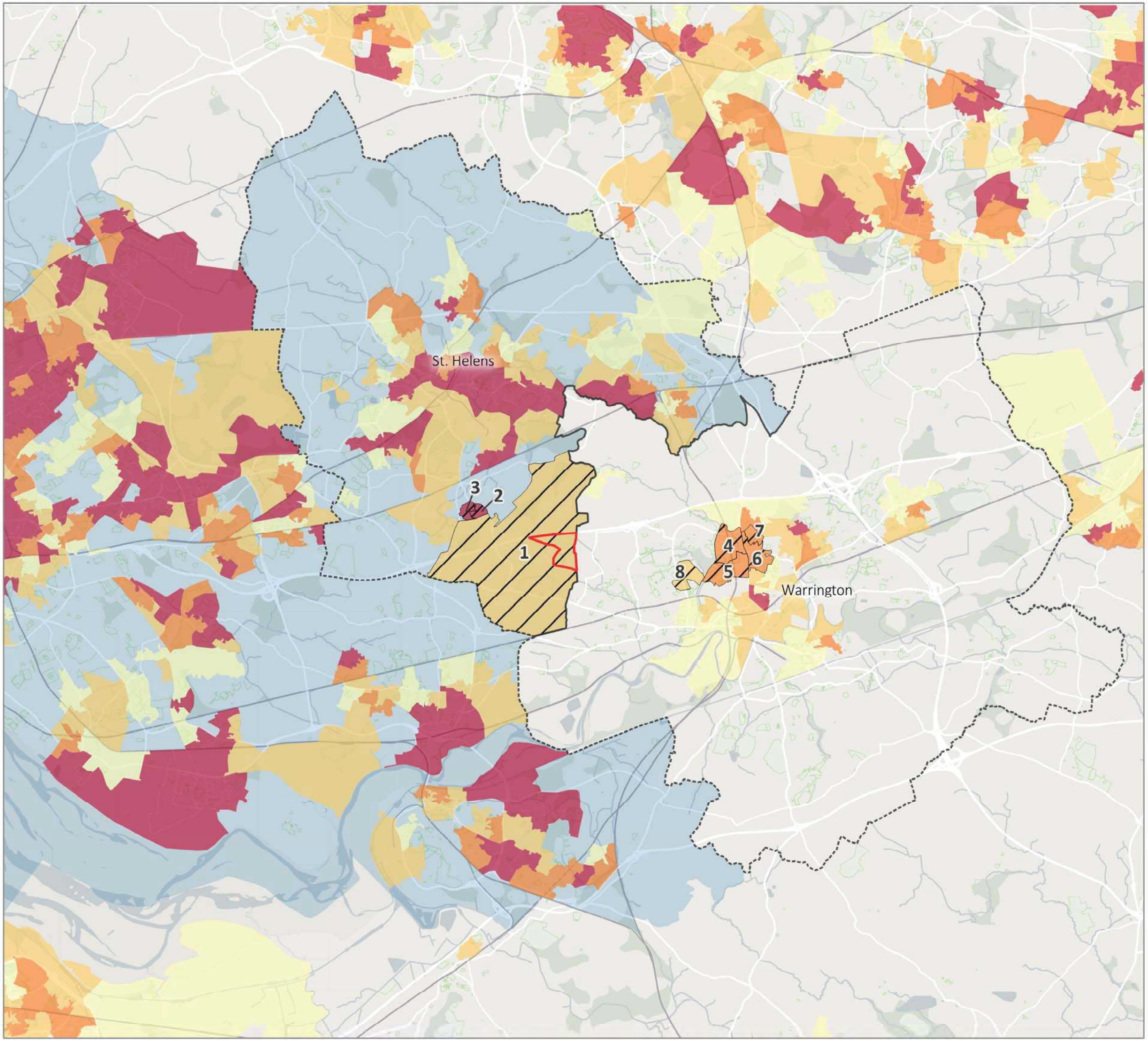
Project
OMEGA ZONE 8, ST HELENS

Client
OMEGA ST HELENS LTD / T.J.MORRIS LTD

Drawing Title
POLICY 1EA PLAN

Scale	Size	Drawn	Checked	Date
1:2500	A1	RC	SF	18/03/21

Project	Originator	Zone	Level	Type	Role	Number	Rev.
4150	CA	00	00	DR	A	05306	SK4



Site Location

St Helen's and Warrington LAs

Liverpool City Region

Selected LSOAs

IMD 2019

5% most deprived

10% most deprived

20% most deprived

30% most deprived

LSOA Codes:

1. St. Helens 022A
2. St. Helens 022C
3. St. Helens 022D
4. Warrington 013A
5. Warrington 013C
6. Warrington 011C
7. Warrington 006A
8. Warrington 010F

B.03.

Omega West - IMD 2019

0 2.5 5 km

16th March 2021 | Created by: Quod

Scale: 1:230,000 @ A4

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Quod

8 - 14 Meard Street
London, W1F 0EQ

020 3597 1000
www.quod.com

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North

1:5000

0m 50m 100m 200m

- Plots Area
- Landscape
- Established Mature Landscape
- Residential
- SUDS/Basins & Swale
- Mixed Use

B.04.

Rev	Revision Description	Date	Author / Reviewer
SK1	Issue for Information	18/03/21	RC/SF

SKETCH

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www.chetwoods.com

chetwoods

Project
OMEGA WEST, WARRINGTON

Client
OMEGA WARRINGTON LIMITED

Drawing Title
OVERALL MASTERPLAN

Scale	Size	Drawn	Checked	Date
1:5000	A1	RC	SF	18/03/21

Project	Originator	Zone	Level	Type	Role	Number	Rev
4150	CA	00	00	DR	A	05307	SK1

Aerial View of Site

B.05.

B.06.

KEY	MAIN POLICIES
BOUNDARY OF ST. HELENS MBC	
BOUNDARY OF UDP SUB-AREAS	
BOUNDARY OF INSET AREA	
GREEN BELT	GB 1 - 12
MAJOR EXISTING DEVELOPMENT SITES IN THE GREEN BELT	GB 3
ECONOMIC DEVELOPMENT SITE	ECON 1, AP 5.1
ECONOMIC DEVELOPMENT SITE WITH PLANNING PERMISSION	ECON 1
LOCAL SHOPPING CENTRE	RET 1
AREA WHERE SPECIFIC SITE POLICIES APPLY	AP 1.3, AP 6.1, AP 6.3, AP 6.4
STRATEGIC HIGHWAY NETWORK	
PROPOSED HIGHWAY	TRA 1
PROPOSED RAILWAY STATION	TRA 3
PROPOSED PARK AND RIDE SITE	TRA 4
CENTRAL / JUNCTION RAIL LINK (Station Oak Link Line)	TRA 6
STRATEGIC FOOTPATH AND CYCLEWAY	REC 5
RESIDENTIAL DEVELOPMENT SITE	RES 1
RESIDENTIAL DEVELOPMENT SITE WITH PLANNING PERMISSION	RES 1
PROPOSED OPEN SPACE	AP 1.1
OPEN SPACE P Publicly Available Open Space; E Education Recreation Field; PR Private Recreation Facility; GC Golf Course; O Other Open Space	ENV 1
GREENWAY	ENV 3
SITE OF SPECIAL SCIENTIFIC INTEREST	ENV 4
SITE OF COMMUNITY WILDLIFE INTEREST OR REGIONALLY IMPORTANT GEOLOGICAL SITE	ENV 5
LOCAL NATURE RESERVE	ENV 6
MERSEY FOREST SITE	ENV 16, AP 1.2, AP 5.2
CONSERVATION AREA	ENV 24
ENVIRONMENTAL IMPROVEMENTS WITHIN TRANSPORT CORRIDORS	ENV 21
HERITAGE LANDSCAPE	ENV 19
LANDSCAPE RENEWAL	ENV 20

St. Helens Metropolitan Borough Council

ST. HELENS UNITARY DEVELOPMENT PLAN

Adopted 2nd July 1998

PROPOSALS MAP

- SOUTH -

(Incorporating UDP Area 1, Area 2, Area 4, Area 5, Area 6 and INSET PLANS for Earlestown, Town Centre, and Sutton Village)

Planning Officer (Development Plans)
St. Helens MBC
Town Hall
Corporation Street
St. Helens
Merseyside
WA10 1HP
Tel: (01744) 456198

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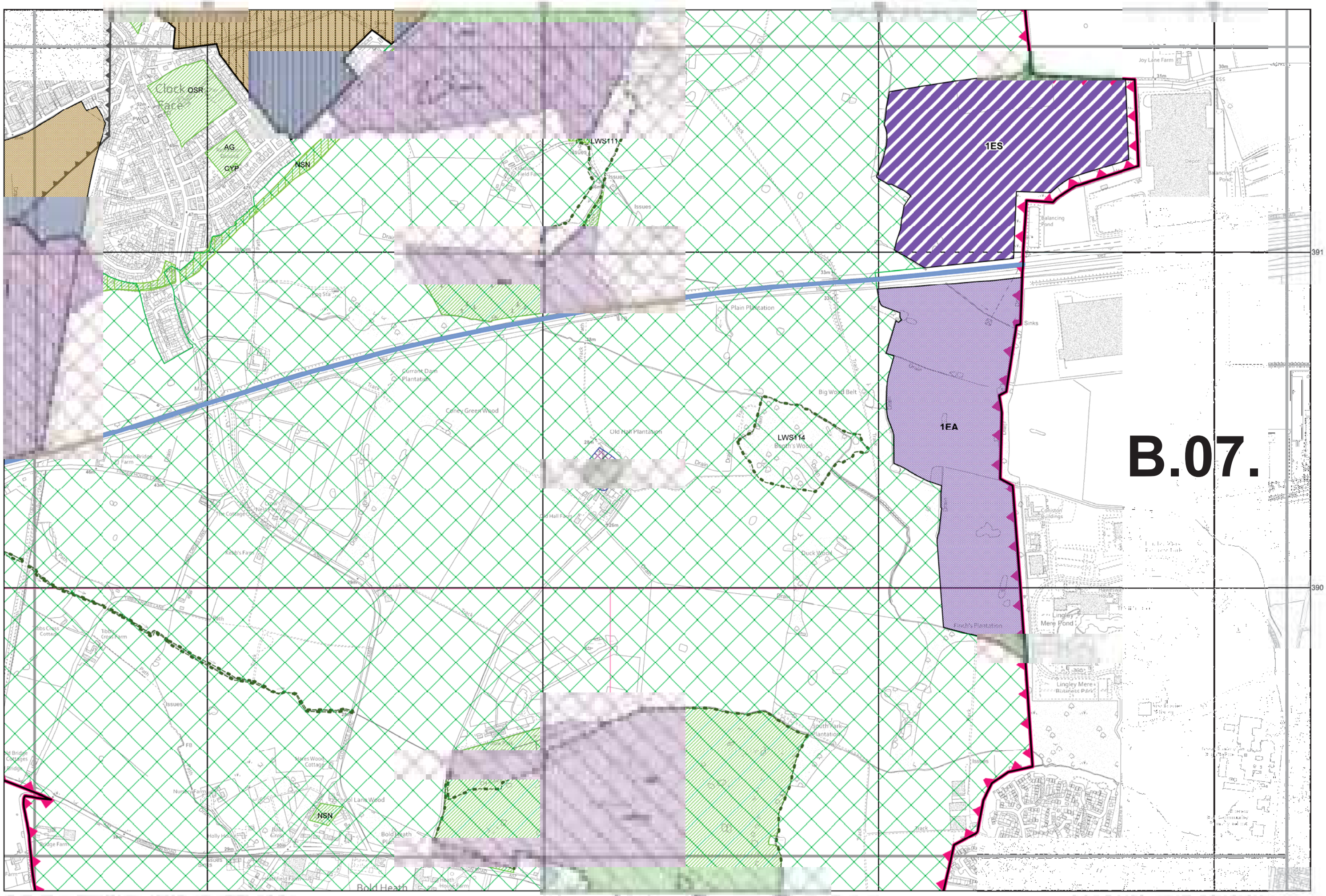
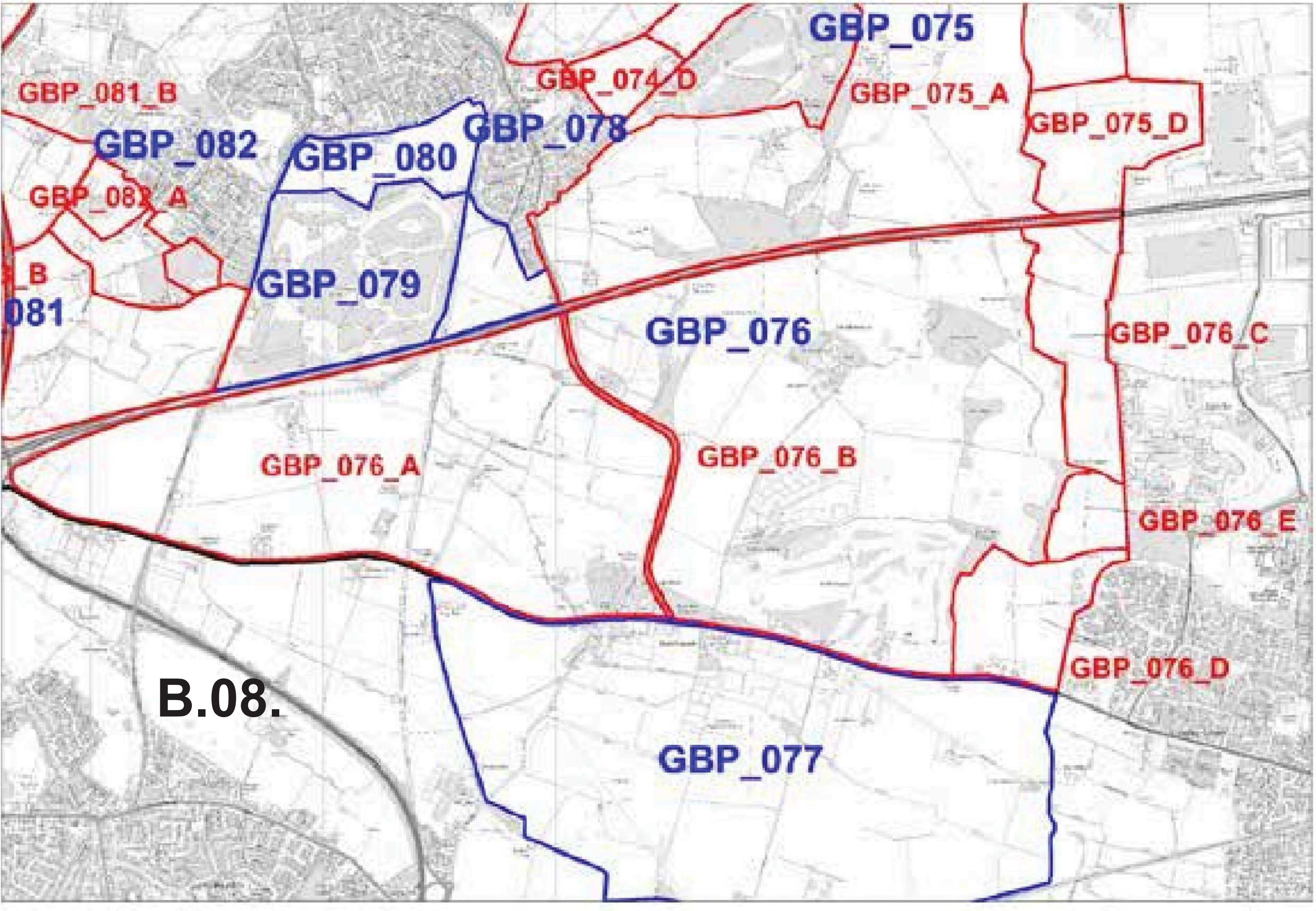

B.07.
1ES
1EA
LWS111
LWS114
Clock Face
OSR
AG
CYP
NSN
Joy Lane Farm
Depot
Balancing Pond
Sinks
Plain Plantation
Current Dam Plantation
Coney Green Wood
Big Wood Belt
Old Hall Plantation
Old Hall Farm
Duck Wood
Earth Plantation
Lingley Mere Pond
Lingley Mere Business Park
South Park Plantation
Hares Wood Cottage
School Lane Wood
Bold Heath Plain
Bold Heath
391
390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GBP_076
GBP_076_C
GBP_076_A
GBP_076_B
GBP_076_E
GBP_076_D
B.08.
GBP_077

The visual impact assessments contained within this document have been created to the best of our knowledge within the guidelines outlined in the document 'Guidelines for Landscape and Visual Impact Assessment 3rd Edition'.

Photography

The camera used for photographs DSC00040, 44, 61,64 AND 75 within this document was a SONY ILCE-7 full frame digital SLR, the lens used was an FE 28-70mm F3.5-5.6 OSS. The camera used for photographs IMG_8727, IMG_8878, IMG_8881, IMG_8889 and IMG_8887 was a CANON EOS 5d MKII full frame digital SLR, the lens used was EF 50mm f/1.8 II fix focal length. The camera was fitted with a Canon GPS Receiver GP-E2 accurately recording viewpoint positions. The focal length is recorded on the individual camera data images contained within the document.

3D model

The three-dimensional computer model of the proposed development which is superimposed upon the existing views was created by the importing of accurate 2d plans, elevations and site plan including OS map data. The 3d models where created using Autodesk 3d Studio Max and rendered using VRay Next. Additional OS data was used to create elements of the existing surrounding area where this was appropriate for the matching of viewpoints, including the general footprint of key buildings and levels around the site.

Camera Matching and Rendering

The particular method that has been used to verify the photomontage views of the proposed development is set out below. The verification process confirms the accuracy of the three dimensional model in relation to each existing views. The details of the Ordnance Survey co-ordinates for each viewpoint, and the angle of each view have also been checked as part of the verification process.

The matching process involves accurately positioning the three-dimensional model of the proposed development within each existing view. The camera model, lens type and focal lengths are taken from the photographs EXIF file which is stored within each image. This data is then entered into 3d Studio Max in order that the virtual camera simulates in every way that of the actual real world camera and lens. Each viewpoint photograph is independently imported into 3d Studio Max using exactly the same proportions and pixel dimensions as that of the actual photograph. This image is then visible as a backdrop to the 3d wireframe model. The virtual 3d camera is placed in exactly the same positions on the 3d model as was positioned on site, 1650mm above ground level at that point reflecting eye level of the photographer / viewer. Existing modelled key buildings can be seen within the photographed backdrop giving further confirmation of the viewpoints accuracy. The lighting is then simulated based upon the sites location, time of year, time of photograph and camera position, adjustments are also made based upon the weather as recorded at the time of the photograph were taken.

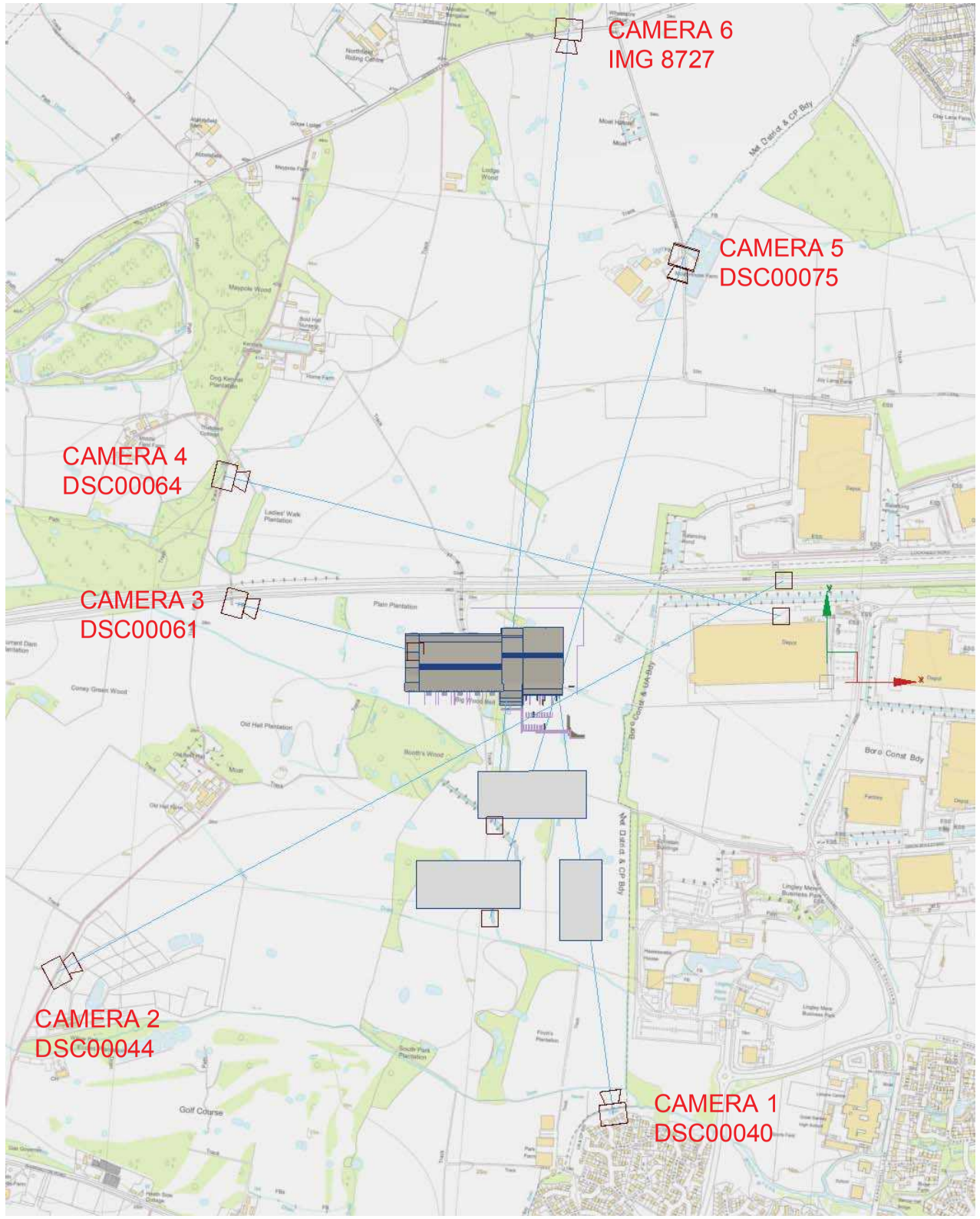
Once the process of camera matching has been achieved for each viewpoint the 3d model of the proposed site is then rendered using the same camera, lens, exposure and lighting settings as mentioned above.

Post Production

The render of the three-dimensional model is then superimposed on the existing still views in Adobe Photoshop. The foreground of the existing views i.e. trees, lamp posts, cars, buildings etc, are then copied and placed over the rendered model in order to ensure that the depth is accurate within the photomontage view between the foreground, background and the rendered model. This re-placing of existing trees and foliage has been meticulously carried out in order to give an accurate and true representation of the visual impact of the proposed development. Due to limitations in Photoshop where a dense tree canopy obscures the development it is common for more of the development to be exposed than actually would be in the real World and this should be taken into considered when viewing the images. At this stage, the textured model can be further adjusted to match the resolution, colouring and saturation of the photograph taken to create a close impression of what the textures of the building would look like. This is a qualitative exercise and requires interpretation by the designer on how the building will look, and guidance from the architect. A final qualitative check of all of the photomontage images has been carried out to ensure that they provide objectively accurate views of the proposed development.

C.01.A

CAMERA POSITIONS



C.01.B

C.02.

CAMERA 1
Render

C.03.

CAMERA 2
Render

C.04.

CAMERA 3
Render

C.05.

CAMERA 4
Render

C.06.

CAMERA 5
Render

C.07.

CAMERA 6
Render

VIEW POSITIONS

C.08.

C.09.

VIEW 3
Render

C.10.

VIEW 4
Render

C.11.

VIEW 10
Render

C.12.

VIEW 11
Render