



WE KNOW SERVICES

ARBORICULTURAL IMPACT ASSESSMENT

Site

Prescot to Cronton Cycleway Phase Four

Client

Knowsley Metropolitan Borough Council

Report Date

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Version

First Issue

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Arboricultural Impact Assessment – Prescott to Cronton Cycleway Phase Four



An image showing the northern most area of phase four.

Quality Assurance

The information which the author has prepared and provided is true and has been prepared and provided in accordance with the Arboricultural Association's Code of Ethics and Conduct. We confirm that the opinions expressed within this report are true and represents the author's professional opinions.

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1 Introduction

We Know Services were instructed by Knowsley Metropolitan Borough Council to undertake an BS5837:2012 arboricultural survey of the tree features within and adjacent to the red line boundary at Prescott to Cronton Cycleway, Phase Four.

This report details the arboricultural implications of developing the site, including a survey of the trees on and near the development which may impact the proposal.

- A. A survey of the trees on and near the development which may impact the proposal.
- B. A tree schedule.
- C. Advice on the removal, retention, and management of trees.
- D. Assessment of the potential effects of the proposal on retained trees and vice versa.
- E. Assessment of the requirement for tree protection for the duration of the works
- F. Mitigation proposal for any loss.

The survey was undertaken on 21st March 2022 by means of visual inspection from ground level by an experienced and qualified arboriculturalist. The inspection can be restricted in cases where trees were Ivy clad or surrounded by vegetation.

Under *BS5837: 2012 Trees in Relation to Construction - Recommendations*, the assessment of trees is made objectively. The tree categorisation method identifies the quality and value of the existing tree stock, allowing informed decisions to be made concerning development design layout.

The following documents have been made available by the client:

- Drawing - 56829 (55566) 2D Topo (15-03-21) - Rev.C
- Drawing - 60629784-SHT-30-PCP4-CT-0101-0103

All trees have been added to the drawing indicatively. Any dimensions regarding tree positions and protective fencing must be checked on site.

The survey was carried out noting the conditions of the trees at the time of inspection. As trees are part of the natural environment, conditions can naturally change; therefore, the contents of this report are valid for one year only. After this period, re-inspection may be required.

2 Statutory Designations

A check for tree preservation orders and conservation areas was undertaken on 24/03/22 using Knowsley Council's My Neighbourhood Online Map, the results showed that there are no preservation orders on site and the site is not within a conservation area.

3 Survey Methodology

The trees were surveyed (prefixed T, or G for group) and recorded in the tree schedule in Appendix 1.0. Where groups are recorded, average height and diameter at breast height (DBH) of the trees in the group are reported. Where access to the base of any trees was limited, stem size was estimated.

All the trees were assessed using: a grading A to C (retention) and U (removal); condition and age class as defined in Appendix 2.0.

Where appropriate, canopy spread for each tree was recorded at four cardinal points to reproduce an accurate representation of the crown shape of the tree on the tree plan in Appendix 3.0.

The survey included all trees within the proposal area and trees near to the proposal.

4 Survey Results

The survey identified twenty-three tree features on site consisting of sixteen individual trees and seven groups.

Of these, one tree feature was classed as category B, eighteen tree features were classified as category C and the remaining four tree features were classed as category C.

T7

During the survey it was noted that T7, a Beech, had very little live growth (>5%) remaining in the crown. Because of the trees condition and location in proximity to the proposed cycleway, it is recommended that this tree is removed.

T13 and T14

During the survey T13 and T14, two young birches, were both found to have failed at the root plate. As a result of this damage, the retention of these trees is unsuitable and they are both recommended for removal.

T16

During the survey it was noted that the top 1m of the stem of T16, a young birch, was drooping. This is likely because of the waterlogged ground conditions restricting the uptake of water and nutrients, because of this the tree is unable to maintain its strength and keep the stem upright. Because of this, the tree is unlikely to survive **into** maturity. Therefore, it is recommended that this tree is removed and the ground conditions in the area are improved before the tree is replaced.

T17

During the survey it was noted that T17 was a standing dead tree. It was evident that no live growth was present on the tree, therefore the retention of this tree is unviable.

5 Impact Assessment

Table 5.1: Impact Table

Tree No.	RPA Radius	Distance to Proposed Development A (m)	RPA Incursion (m ²)	RPA Incursion (%)	Can the tree/s be successfully retained?
T1	0.90	6.2	0	0.0%	Yes
T2	0.90	0.8	0.046	1.8%	Yes
T3	0.90	4.8	0	0.0%	Yes
T4	0.90	0.1	0.919	36.1%	No
T5	0.90	2.2	0	0.0%	Yes
T6	0.90	2.8	0	0.0%	Yes
T7	0.90	3.2	0	0.0%	Yes
T8	0.90	1.2	0	0.0%	Yes
T9	0.90	0.1	0.864	33.9%	No
G10	0.90	8.4	0	0.0%	Yes
G11	2.40	See Plan	0	0.0%	Yes

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G12	0.90	See Plan	See Plan	25%	No
T13	0.90	0.6	0	0.0%	Yes
T14	0.90	0.5	0	0.0%	Yes
G15	0.90	5.1	0	0.0%	Yes
T16	0.90	2.4	0	0.0%	Yes
T17	0.90	4.1	0	0.0%	Yes
T18	0.90	0	2.264	89.0%	No
G19	10.39	See Plan	0.744	16.4%	Yes
T20	1.56	0	5.484	71.7%	No
G21	31.64	See Plan	1.077	23.8%	No
T22	2.15	1.1	1.769	12.2%	Yes
G23	1.80	See Plan	0	0.0%	Yes

Table 5.2 Impact Assessment

	Trees to be retained		Trees to be removed / relocated	
	With no impact	With detailed construction	Due to condition	Due to development
Tree No.	T1, T3, T5, T6, T7, G10, G11, G15 (In Part)		T7, T13, T14, T16, T17	T2, T4, T8, T9, G12, G15 (In Part), T18, G19, T20, G21, T22, G23

Due to the proposals, a total of six individual trees and five groups are proposed for removal.

Impact from the Proposed Cycleway

Due to the proposals, there is a direct impact between the proposed cycleway and the root protection areas (RPAs) of T4, T9, G12, T18, T20, G21 and G23. Because of the extent of the impact, as detailed in *Table 5.1 Impact Table*, it is recommended that these features are removed to accommodate the proposals.

In addition to the above features, T2, T8, G19, T22 and T23 are proposed for removal. This is because the distance of the features to the proposals means that there will be a conflict with the potential users of the cycleway, therefore future pressure to remove these features is highly likely.

Ground Improvement Works

The proposals have indicated that ground improvement works will take place within the area that G15 is situated. These works are considered essential because of the ground conditions within this area; therefore it is recommended that the trees within G15 the highlight section are removed to enable these works.

Young Tree Relocation

Because most of the features have been identified as young trees, to reduce impact of this loss it is recommended that T2, T4, T8, T9 and G12 are relocated to a more suitable area. The site of re-location will have to be agreed upon with the local planning authority. It is considered that because these features are young and are likely to have been planted within the last couple of years prior to the survey, they have a high chance of survival post re-location. A methodology of how to re-locate the trees can be found in the accompanying method statement (Ref: 22/0011/AMS).

Further Information

All other trees that are proposed for removal because and are not being re-located shall be replaced on a 2:1 basis.

Precautionary measures including supervision by the project arboricultural consultant during the works are detailed in the accompanying method statement (Ref: 22/0011/AMS).

6 Mitigation Proposals

6.1 Replacement Tree Planting

Due to the loss of the trees identified in the Impact Table, it is recommended that replacement trees are planted as part of the proposed landscaping scheme. The extent of mitigation planting required will need to be confirmed in agreement with the Local Planning Authority once the development proposal is finalised.

Requirements usually involve replacement of trees on a two for one basis. This is based on tree sizes of 12-14cm girth, however for replacements that are significantly larger (20-25cm girth), it is considered that an increased size will mitigate for the tree loss in the form of replacements on a one for one basis.

This will have several benefits for the development and the character of the area. These are:

- Give a greater diversity of age class on the site, increasing sustainability.
- Give a greater diversity of species and therefore wildlife habitat.
- As the trees proposed for removal are to the rear of the site some of the replacement planting will be situated to the front of the development.
Therefore, the tree cover and amenity value in the locality will increase.

A list of recommended tree species proposed are listed in *Table 5.3: Replacement Tree Specifications*.

Table 5.3: Recommendations for Replacement Tree Specification

Tree Species	Tree Size
Hornbeam – <i>Carpinus betulus</i>	20-25 cm girth
Silver Birch - <i>Betula pendula</i>	20-25 cm girth
Scots Pine - <i>Pinus sylvestris</i>	20-25 cm girth
Chanticleer Pear – <i>Pyrus calleryana</i>	20-25 cm girth
Beech – <i>Fagus Sylvatica</i>	20-25 cm girth

7 Summary and Conclusion

The survey identified twenty-three tree features on site consisting of sixteen individual trees and seven groups.

Of these, one tree feature was classed as category B, nineteen tree features were classified as category C and the remaining three tree features were classed as category C.

The tree categorisation method identifies the quality and value of the existing tree stock, but it is not meant to be interpreted rigidly and is presented to form a balanced judgement on tree retention and removal.

The proposals have impacted eleven tree features on site, of these six are recommended for removal and five are recommended to be re-located. The remaining tree features on site can be retained.

A precautionary method of working near trees is detailed in the accompanying Arboricultural Method Statement.

Following site development, regular (annual or biannual) inspections of all retained trees should be undertaken by a qualified arboricultural consultant.

It is considered that in following the advice in this document, any negative factors affecting the remaining trees on site will be minimised.

Appendix I.0 Tree Survey Schedule

Arboricultural Impact Assessment – Prescott to Cronton Cycleway Phase Four

Arboricultural Data Sheet: Prescott to Cronton Cycleway Phase Four										Date of Survey: 21/03/22	Surveyor: Jonathan Henderson		
Tree No.	Species	DBH (mm)	Height (m)	Age	Crown Spread (m)				Crown clearance	Condition rating	Comments and preliminary management recommendations	Estimated remaining contribution	Tree quality category rating
					N	E	S	W					
T1	Norway Maple	>75	3	Y	1	1	1	1	1+	Good	Good shape and form. No major visible defects.	10+	C1
T2	Hornbeam	>75	3	Y	1	1	1	1	1+	Good	Good shape and form. No major visible defects.	10+	C1
T3	Cherry	>75	4	Y	1	1	1	1	1+	Fair	Good shape and form. Tree is potentially dead, unsure due to time of year. Re-inspect when in leaf.	10+	C1
T4	Cherry	>75	4	Y	1	1	1	1	1+	Good	Good shape and form. No major visible defects.	10+	C1
T5	Cherry	>75	4	Y	1	1	1	1	1+	Good	Good shape and form. No major visible defects.	10+	C1
T6	Beech	>75	3	Y	1	1	1	1	1+	Good	Good shape and form. No major visible defects.	10+	C1
T7	Beech	>75	3	Y	1	1	1	1	1+	Good	Good shape and form. Very little live growth evident in crown. Limited long-term value. Fell.	>10	U

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Tree No.	Species	DBH (mm)	Height (m)	Age	Crown Spread (m)				Crown clearance	Condition rating	Comments and preliminary management recommendations	Estimated remaining contribution	Tree quality category rating
					N	E	S	W					
T8	Cherry	>75	3	Y	1	1	1	1	1+	Good	Good shape and form. No major visible defects.	10+	C1
T9	Hornbeam	>75	3	Y	1	1	1	1	1+	Good	Good shape and form. No major visible defects.	10+	C1
G10	Mixed Broadleaf	>75	4 Max	Y	1	1	1	1	1+	Good	Group of young trees in proximity to the red line boundary. All good shape and form. No major visible defects.	10+	C1
G11	Mixed Broadleaf	200 AVG	10 MAX	EM - M	See Plan				2+	Good - Fair	Group of trees adjacent to the motorway. Reasonable shapes and forms. Minor deadwood in crowns (>50mm diameter). Individually of lower value. No major visible defects.	20+	B2
G12	Mixed Broadleaf	>75	4 Max	Y	1	1	1	1	1+	Good	Group of young trees adjacent to the footpath. All good shape and form. No major visible defects.	10+	C1

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Arboricultural Data Sheet: Prescott to Cronton Cycleway Phase Four										Date of Survey: 21/03/22	Surveyor: Jonathan Henderson		
Tree No.	Species	DBH (mm)	Height (m)	Age	Crown Spread (m)				Crown clearance	Condition rating	Comments and preliminary management recommendations	Estimated remaining contribution	Tree quality category rating
					N	E	S	W					
T13	Birch	>75	4 Max	Y	1	1	1	1	1+	Poor	Young tree that has failed at the root plate. Fell.	>10	U
T14	Birch	>75	4 Max	Y	1	1	1	1	1+	Poor	Young tree that has failed at the root plate. Fell.	>10	U
G15	Mixed Broadleaf	>75	4 Max	Y	1	1	1	1	1+	Good	Group of young trees adjacent to the footpath. All good shape and form. Ground in south-western area was waterlogged at the time of surveying. No major visible defects.	10+	C1
T16	Birch	>75	4	Y	1	1	1	1	1+	Fair	Reasonable shape and form. Top 1m of stem is drooping, likely due to waterlogged ground conditions in surrounding area. See section 4.	>10	U
T17	Dead	>75	4	D	1	1	1	1	N/A	Dead	Young, standing dead tree.	N/A	U
T18	Alder	>75	4	SM	1	1	1	1	1.5	Good	Reasonable shape and form. Likely self-seeded. Minor deadwood in crown (>50mm diameter). No major visible defects.	10+	C1

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Tree No.	Species	DBH (mm)	Height (m)	Age	Crown Spread (m)				Crown clearance	Condition rating	Comments and preliminary management recommendations	Estimated remaining contribution	Tree quality category rating
					N	E	S	W					
G19	Hawthorn x2	100 AVG	4 MAX	EM	See Plan				0+	Good	Reasonable shapes and forms. Minor deadwood in crowns (>50mm diameter). No major visible defects.	10+	C1
T20	Hawthorn	75, 75, 75	4	EM	2	2	2	2	0+	Fair	Reasonable shape and form. Multi-stemmed from base. Minor deadwood in crowns (>50mm diameter). No major visible defects.	10+	C1
G21	Mixed Broadleaf	100 AVG	5 MAX	EM	See Plan				0+	Fair	Group of likely self-seeded trees adjacent to a railway embankment fence. One small tree within the group is dead, tree presents very low risk. Minor deadwood in crowns (>50mm diameter).	10+	C1
T22	Ash	80, 80, 80, 80, 80	5	EM	2	2	2	2	0+	Fair	Reasonable shape and form. Displaying symptoms of an early-stage ash dieback infection. Limited long-term value.	10+	C1

Arboricultural Impact Assessment – Prescott to Cronton Cycleway Phase Four

Arboricultural Data Sheet: Prescott to Cronton Cycleway Phase Four								Date of Survey: 21/03/22		Surveyor: Jonathan Henderson			
Tree No.	Species	DBH (mm)	Height (m)	Age	Crown Spread (m)				Crown clearance	Condition rating	Comments and preliminary management recommendations	Estimated remaining contribution	Tree quality category rating
					N	E	S	W					
G23	Ash	150 AVG	6 MAX	EM	See Plan				0+	Fair	Reasonable shapes and forms. All trees within group were displaying symptoms of an early-stage ash dieback infection. Limited long-term values.	10+	C1

Appendix 2.0 Tree Survey Key

Arboricultural Impact Assessment – Prescott to Cronton Cycleway Phase Four

Trees for removal			
Category and definition	Criteria		
Category U Those in such a condition that any existing value would be lost within 10 years and which should, in the current context, be removed for reasons of sound arboricultural management	Trees that have a serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other R category trees (i.e. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline Trees infected with pathogens of significance to the health and/or safety of other trees nearby (e.g. Dutch elm disease), or very low quality trees suppressing adjacent trees of better quality Note – Habitat reinstatement may be appropriate (e.g. R category tree used as a bat roost: installation of bat box in nearby tree).		
Trees to be considered for retention			
Category and definition	Criteria - Subcategories		
	1 Arboriculture values	2 Landscape values	3 Conservation values
Category A Those of high quality and value: in such a condition as to be able to make a substantial contribution (a minimum 40 years is suggested)	Trees that are particularly good examples of their species, especially if rare or unusual, or essential components of groups, or of formal or semi-formal arboriculture features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands which provide a definite screening or softening effect to the locality in relation to views into or out of the site, or those of particular visual importance (e.g. avenues or other arboricultural features assessed as groups)	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood pasture)
Category B Those of moderate quality and value: those in such a condition as to make a significant contribution (a minimum of 20 years is suggested)	Trees that might be included in the high category, but are downgraded because of impaired condition (e.g. presence of remediable defects including unsympathetic past management and minor storm damage)	Trees present in numbers, usually as groups or woodlands, such that they form distinct landscape features, thereby attracting a higher collective rating than they might as individuals but which are not, individually, essential components of formal or semi-formal arboriculture features (e.g. trees of moderate quality within avenue that includes better, A category specimens), or trees situated mainly internally to the site, therefore individually having little impact on the wider locality	Trees with clearly identifiable conservation or other cultural benefits
Category C Those of low quality and value: currently in adequate condition to remain until new planting could be established (a minimum of 10 years is suggested), or young trees with a stem diameter below 150 mm	Trees not qualifying in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater landscape value, and/or trees offering low or only temporary screening benefit	Trees with very limited conservation or other cultural benefits
	Note - Whilst C category trees will usually not be retained where they would impose a significant constraint on development, young trees with a stem diameter of less than 150 mm should be considered for relocation		

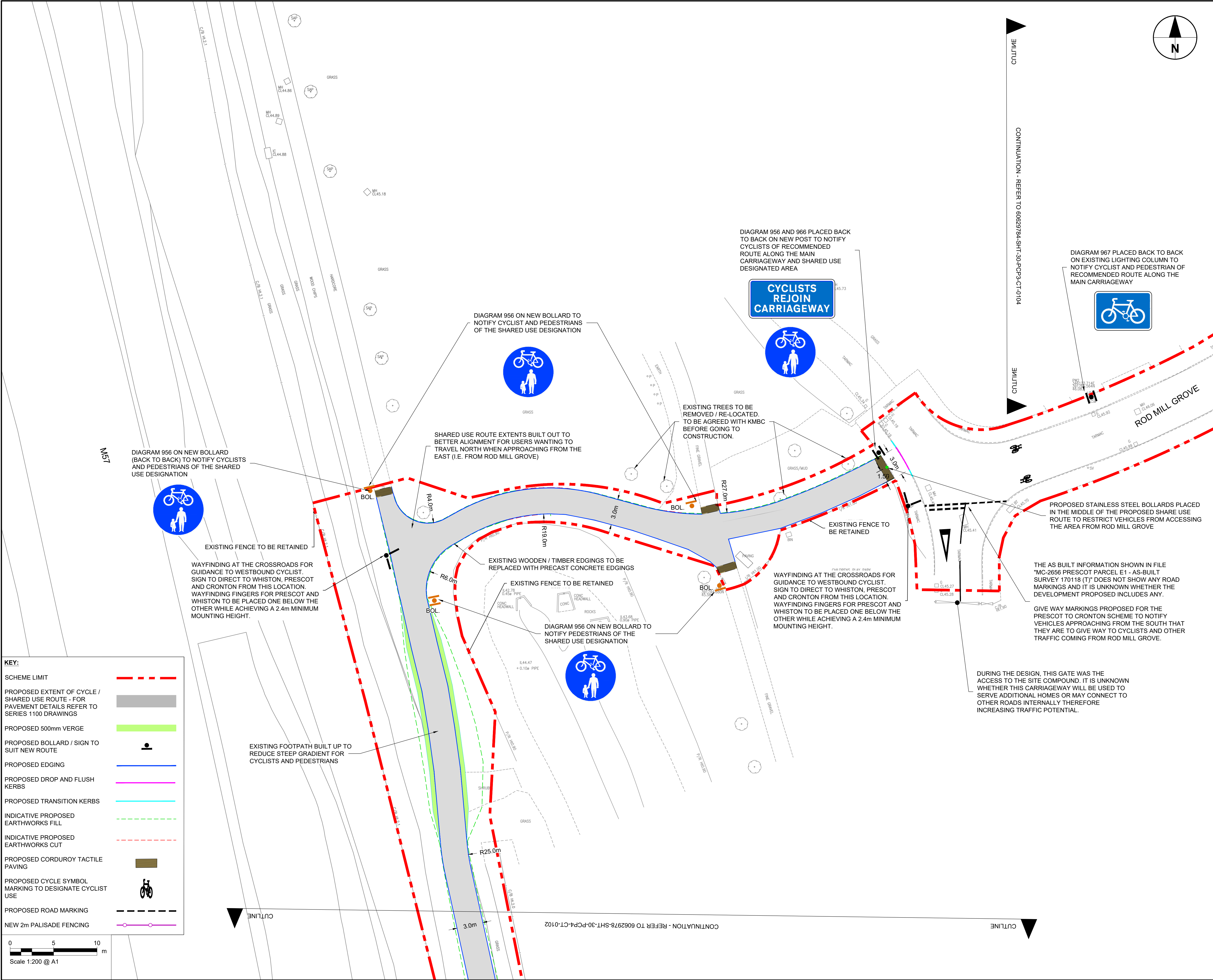
Age Class

Y	Young	Trees that have not yet established
SM	Semi-Mature	Established trees up to 1/3 of expected height and crown
EM	Early mature	Between 1/3 and 2/3 expected height and crown
M	Mature	Between 2/3 and full expected height and crown
FM	Fully Mature	Full expected height and crown
OM	Over-Mature	Crown beginning to break up and decrease in size
S	Senescent	Crown in advanced stage of break-up

Condition

Good – Feature needs little, if any attention.
Fair – Feature has minor, but rectifiable defects.
Poor – Feature has major defects or is in late decline.
Dead – Feature is dead.

Appendix 3.0 Proposed Development Plans



PROJECT

PRESCOT TO CRANTON
CYCLEWAY

CLIENT



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ISSUE/REVISION

D5	23.03.2022	PLANNER COMMENTS
D4	10.02.2022	DETAILED DESIGN
D3	02.11.2021	RSA COMMENTS ADDED
D2	16.09.2021	DETAILED DESIGN
D1	28.04.2021	DETAILED DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER

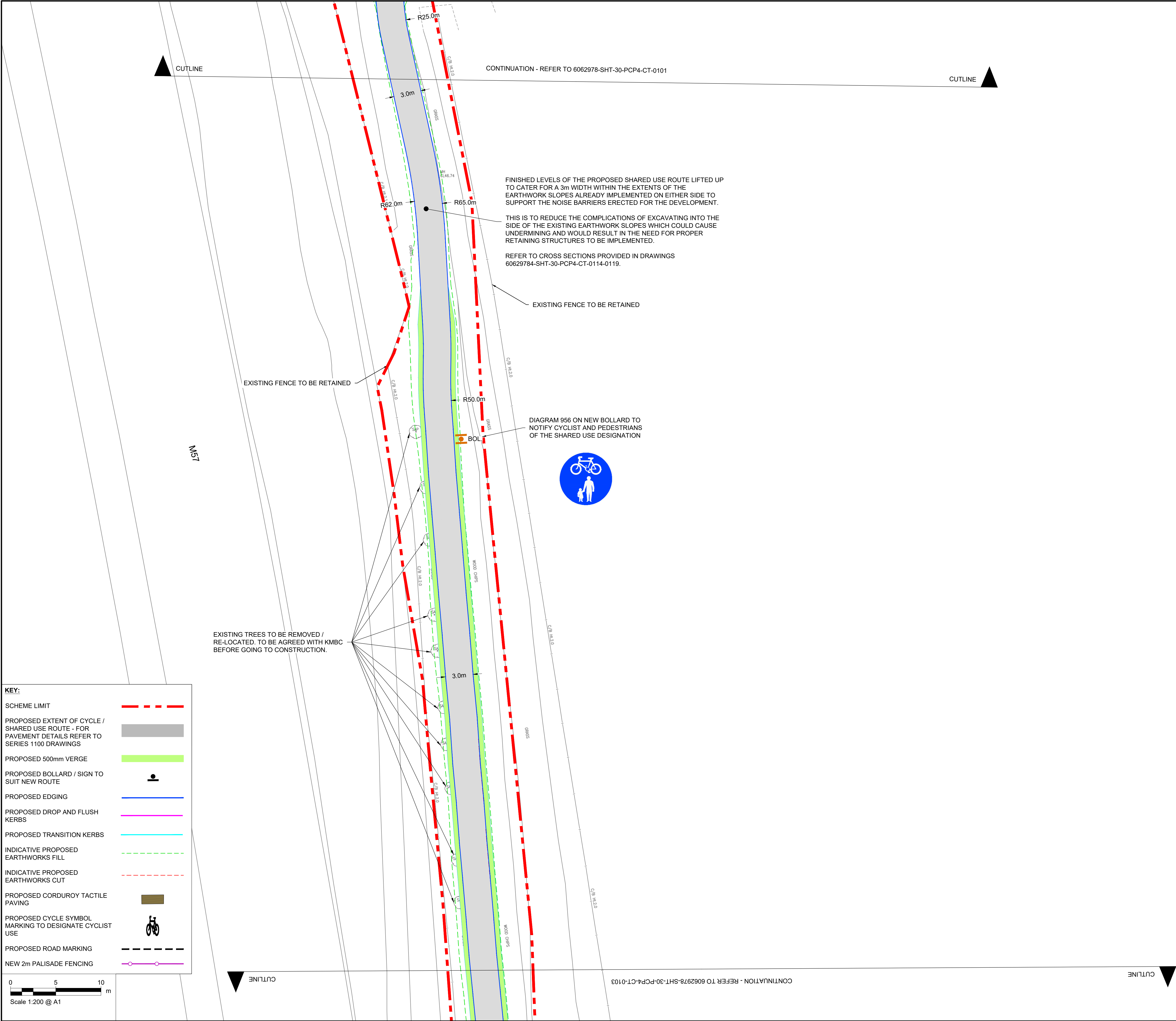
60629784

SHEET TITLE

PHASE 4
GENERAL ARRANGEMENT
(SHEET 1)

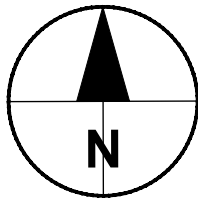
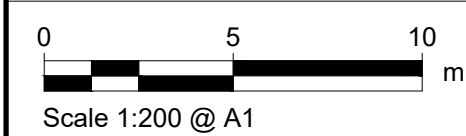
SHEET NUMBER

60629784-SHT-30-PCP4-CT-0101



KEY:

- SCHEME LIMIT
- PROPOSED EXTENT OF CYCLE / SHARED USE ROUTE - FOR PAVEMENT DETAILS REFER TO SERIES 1100 DRAWINGS
- PROPOSED 500mm VERGE
- PROPOSED BOLLARD / SIGN TO SUIT NEW ROUTE
- PROPOSED EDGING
- PROPOSED DROP AND FLUSH KERBS
- PROPOSED TRANSITION KERBS
- INDICATIVE PROPOSED EARTHWORKS FILL
- INDICATIVE PROPOSED EARTHWORKS CUT
- PROPOSED CORDUROY TACTILE PAVING
- PROPOSED CYCLE SYMBOL MARKING TO DESIGNATE CYCLIST USE
- PROPOSED ROAD MARKING
- NEW 2m PALISADE FENCING



AECOM

PROJECT

PRESCOT TO CRANTON
CYCLEWAY

CLIENT



Knowsley Council

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ISSUE/REVISION

D5	23.03.2022	PLANNER COMMENTS
D4	10.02.2022	DETAILED DESIGN
D3	02.11.2021	RSA COMMENTS ADDED
D2	16.09.2021	DETAILED DESIGN
D1	28.04.2021	DETAILED DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60629784

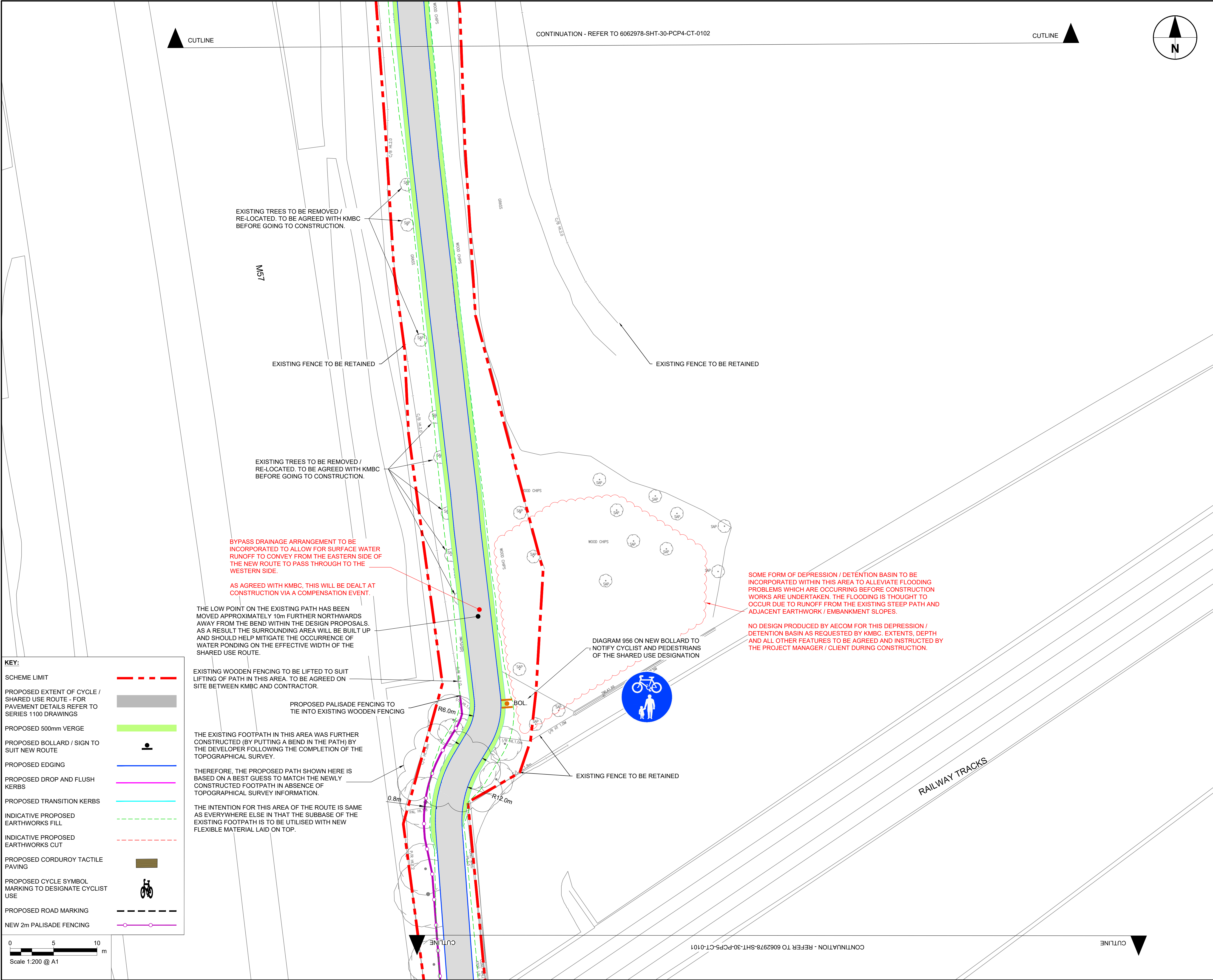
SHEET TITLE

PHASE 4
GENERAL ARRANGEMENT
(SHEET 2)

SHEET NUMBER

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PROJECT

PRESCOT TO CRANTON
CYCLEWAY

CLIENT



Knowsley Council

Knowsley Council
Yorkon Buildings, Archway Road, Huyton,
L36 9YU
tel. 0151 489 6000
www.knowsley.gov.uk

CONSULTANT

AECOM
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NOTES

1. TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION / INFORMATION.
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5. THIS DRAWING HAS BEEN PRODUCED USING TOPOGRAPHICAL SURVEY CARRIED OUT BY "MALCOLM HUGHES LAND SURVEYORS" IN MAY 2020 AND OS MAPPING RECEIVED FROM KNOWSLEY COUNCIL ON 9TH MARCH 2020.
6. REFER TO DRAWING NO. 60629784-SHT-30-PCP0-CT-0100 TO 0101 FOR SCHEME LOCATION PLAN.

DETAILED DESIGN

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ISSUE/REVISION

D5	23.03.2022	PLANNER COMMENTS
D4	10.02.2022	DETAILED DESIGN
D3	02.11.2021	RSA COMMENTS ADDED
D2	16.09.2021	DETAILED DESIGN
D1	28.04.2021	DETAILED DESIGN
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60629784

SHEET TITLE

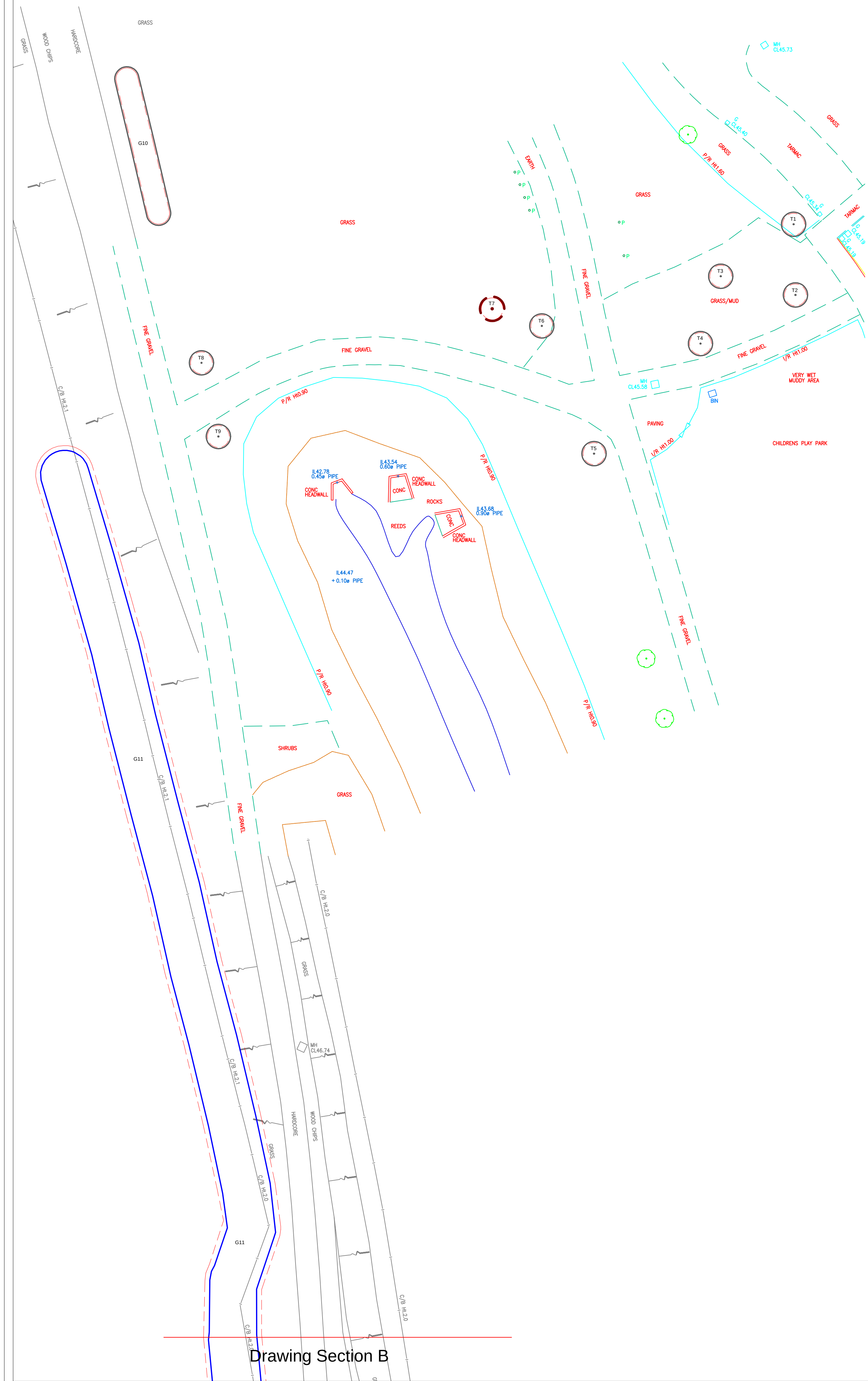
PHASE 4
GENERAL ARRANGEMENT
(SHEET 3)

SHEET NUMBER

60629784-SHT-30-PCP4-CT-0103

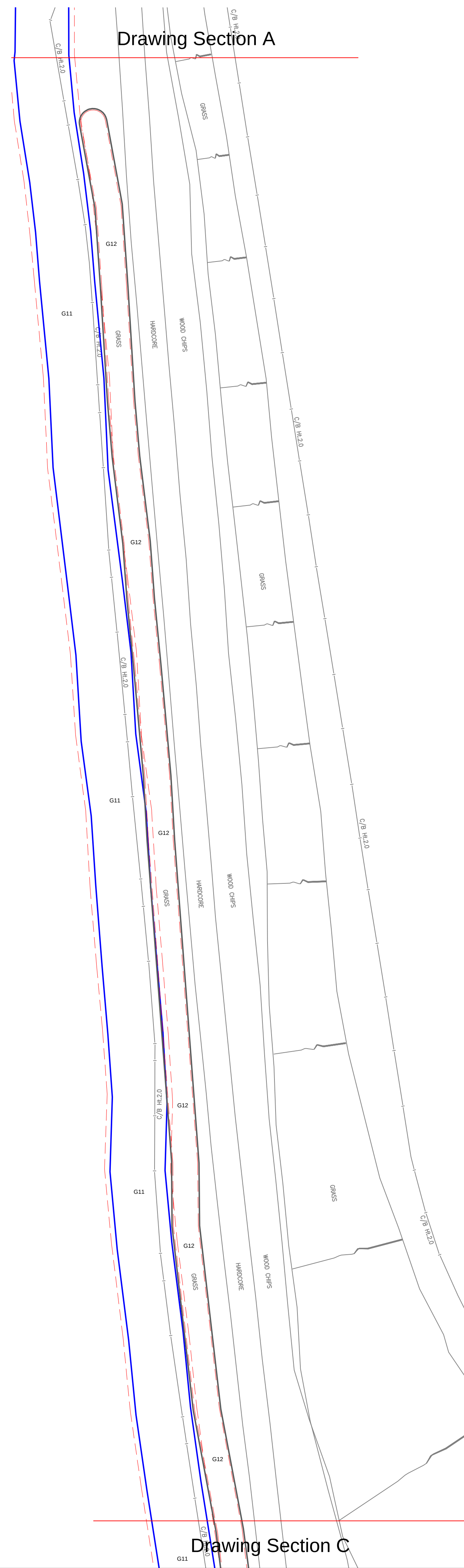
Appendix 4.0 Arboricultural Plans

Drawing Section A



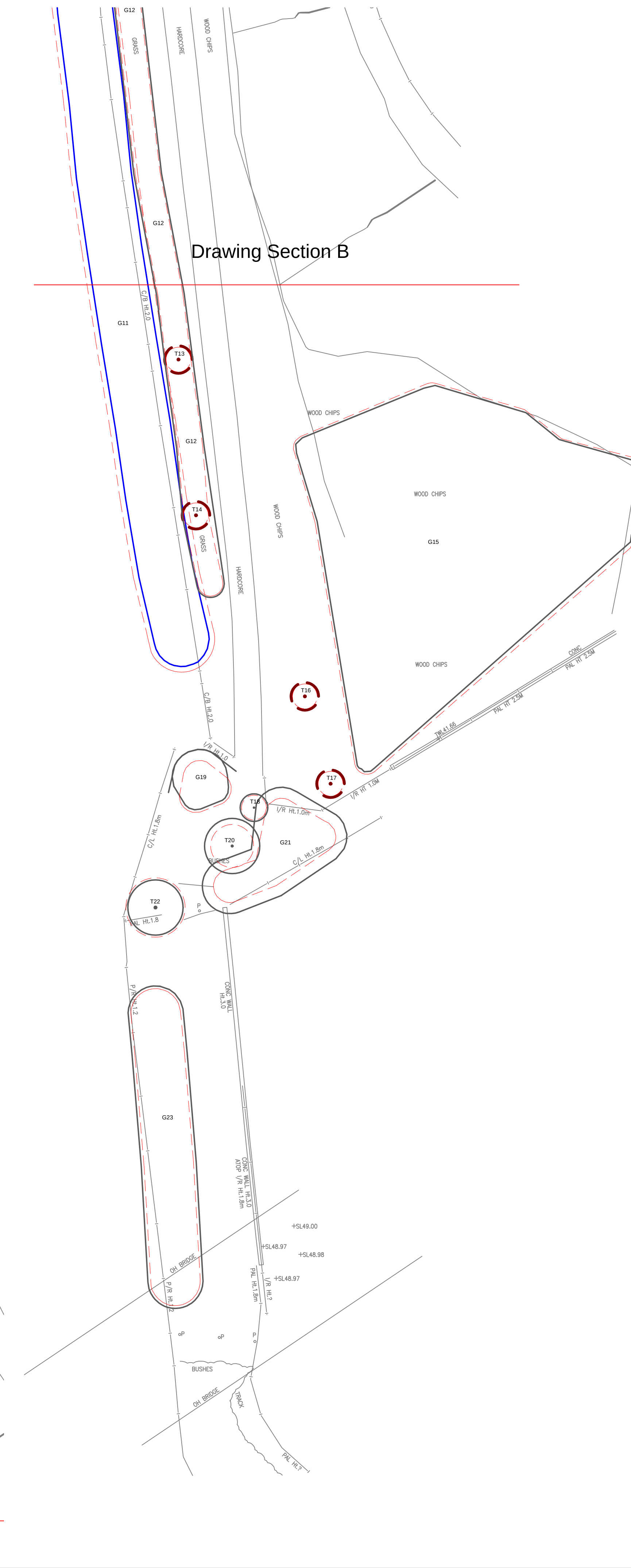
Drawing Section B

Drawing Section B



Drawing Section C

Drawing Section C



Drawing Section B

- Category A Trees
- Category B Trees
- Category C Trees
- Category U Trees
- Root protection area

WE KNOW SERVICES

Court Hey Park
Roby Road
Huyton
L16 3NA

Email: info@weknowservices.co.uk

Client:
Knowsley Council

Site Address:
Prescot to Cronton Cycleway
Phase Four

Drawing Title:
BS5837 Plan

Drawing No:
21/00011/BSP

Date:
24/03/2022

Scale:
1:200@A1

Drawn by:
JH

Note: Dimensions are not to be scaled from this drawing.
All written measurements are to be checked on site by the contractor. Copyright WeKnow Services.
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[illegible]

The drawing consists of three vertical cross-sections, each representing a different part of a project. The sections are labeled as follows:

- Drawing Section A**: Located at the top of the page.
- Drawing Section B**: Located in the middle of the page.
- Drawing Section C**: Located at the bottom of the page.

Key features and labels include:

- G11** and **G12**: Labels indicating specific points or stations along the sections.
- C/R H+2.0**: Labels indicating the centerline height relative to a datum.
- GRASS**: Labels indicating grassy areas or slopes.
- SLOPE 0:00M**: Labels indicating the slope ratio and distance.
- HORIZONTAL**: Labels indicating horizontal alignment or level ground.

The drawing uses various line styles to represent different elements: solid black lines for boundaries, dashed red lines for specific features, and thick grey shading for the main road surface. The overall layout is clean and professional, typical of engineering drawings.

The diagram is a technical site plan for a water treatment facility. It features a central canal or pipeline running vertically. To the left of this central feature are several large circular tanks labeled T1 through T10, and rectangular storage tanks labeled G1 through G15. To the right of the central feature are more storage tanks (G16, G17, G18, G19, G20, G21, G22) and additional circular tanks (T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22). The plan includes various infrastructure elements such as bridges, roads, and areas designated for vegetation (bushes, trees). A red line across the middle of the plan separates 'Drawing Section B' (top) from 'Drawing Section C' (bottom). The plan also shows a large rectangular area labeled 'WOOD CHIPS' and a 'GRASS' area. A 'DR. BRIDGE' is shown at the bottom left. The plan includes numerous technical specifications, including elevations (e.g., +SL 49.00, +SL 48.97, +SL 48.95), dimensions (e.g., 1/2" R 1.0m, 1/4" R 1.0m), and flow rates (e.g., 1000 GPM, 1000 GPD). The plan is oriented with North at the top.

- | | | |
|---|------------------------------------|---|
|  WE KNOW SERVICES | | |
| Court Hey Park
Roby Road
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L16 3NA | | |
| Email: info@weknowservices.co.uk | | |
| Client:
Knowsley Council | | |
| Site Address:
Prescot to Cronton Cycleway
Phase Four | | |
| Drawing Title:
A1A Plan | | Drawing No:
22/00011/A1A |
| Date:
24/03/2022 | Scale:
1:200 @ A1 | Drawn by:
JH |
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Drawing Section A



Drawing Section B



Drawing Section C



- Retained Trees
- Trees to be Removed
- Trees to be Re-located
- Root protection area
- Tree protection fencing

WE KNOW SERVICES

Court Hey Park
Roby Road
Huyton
L16 3NA

Email: info@weknowservices.co.uk

Client:
Knowsley Council

Site Address:
Prescot to Cronton Cycleway
Phase Four

Drawing Title:
Tree Protection Plan 22/00011/TPP

Drawing No:
22/00011/TPP

Date:
24/03/2022

Scale:
1:500@A1

Drawn by:
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