

T Level Technical Qualification in Agriculture Land Management and Production: Ornamental and Environmental Horticulture and Landscaping Occupational Specialism (Level 3)

Practical Assignment Candidate Pack (Sample)

September 2023 Version 2.1

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Version and date	Change detail	Section
V1.0	Draft version	n/a
V2.0 June 2023	Approved version	n/a
V2.1 September 2023	Document formatting.	All.
	Task 2 budget amended	Tasks

1. Assessment

This assessment is for the Ornamental and Environmental Horticulture and Landscaping Occupational Specialism of the Technical Qualification. This pack consists of a practical assignment brief, including any drawings and diagrams, that you will need to use to complete your assessment tasks.

Performance outcomes

The weightings for each performance outcome will remain the same for every version of the practical assignment. This ensures the appropriate depth and breadth of knowledge and skills for each specialism can be reliably assessed in every version and will meet the needs of industry while keeping comparability between each assessment over time.

Performance outcome	Typical knowledge and skills	Weighting
PO2 Establish ornamental and environmental horticultural areas	The establishment of areas, from why the area might be established in the first place, through to the plant growth required to achieve it, site management and additional considerations such as health and safety and environmental concerns. Knowledge of the horticultural industry, its contributions to society (social, environmental, economic), site knowledge and plant knowledge including science.	30%
PO3 Maintain ornamental and environmental horticultural areas	Why the site is there, how to assess it and its contents, the horticultural knowledge and skills required to maintain it and plant knowledge including plant health.	20%
PO4 Install landscape features	Hard landscaping areas and how to install them. Understand a variety of vertical and horizontal structures and surfaces, where they may usefully be used, and how to install and maintain them.	30%
PO5 Manage existing designed landscapes	Work within landscapes with particular characteristics, such as heritage or botanical. This includes an understanding of the site itself, interpreting plans, management considerations and resourcing.	20%

2. Candidate guidance

General guidance

This is a formal assessment that you will be marked and graded on. You will be marked on the quality and accuracy of the work you produce. It is therefore important that you carry your work out to the highest standard you can.

Plagiarism

Plagiarism is the failure to acknowledge sources properly and/or the submission of another person's work as if it were your own. Plagiarism is not allowed in this assignment.

This assignment is an assessment of your abilities, so the work submitted must be all your own and carried out under the conditions stated. You will be asked to sign a declaration that you have not had any help with the assignment. Your assessor is allowed to give you general advice i.e., clarification of the task instructions. However, general advice will not include:

- Any specific advice on how to improve work to meet the required standard
- Feedback on anything missing from your work
- Any intervention that improves the standard or presentation of work

If there is a need to provide more than general advice your assessor will need to record the advice, they have given and take it into account when marking the submitted work.

Where research is allowed, your assessor must be able to identify which work you have done yourself, and what you have found from other sources. It is therefore important to make sure you acknowledge sources used and clearly reference any information taken from them (e.g. providing as a minimum a list of web addresses / books / articles etc used).

Timings and planning

You are advised to study the details of the assessment before starting.

You should check with your assessor that you have all the relevant materials, equipment and information/data sources that you need before starting the assessment.

You should take care when planning to make sure you have divided the time available between parts of the assignment tasks appropriately. Timings for tasks are provided within this pack to support with planning and time allocation.

If you have a good reason for needing more time, you will need to explain the reasons to your assessor and agree a new time for the assessment to take place. Any changes will be at the discretion of the assessor and agreed by City & Guilds.

Word counts

Typical word counts, where indicated, are to be used as approximates for guidance to support the production of sufficient evidence. The marking will relate to the quality of the evidence produced and not whether the word count has been met.

Health and Safety

You must always work safely, in particular while you are carrying out practical tasks.

You must always follow any relevant Health and Safety regulations, Risk Assessments and codes of practice in line with centre requirements.

If your assessor sees you working in a way that is unsafe for yourself or others, they will highlight the issue and ask you to stop the task immediately.

Presentation of work

Presentation of work must be neat, legible and appropriate to the task and evidence required for submission.

You should make sure that each piece of evidence, including any forms, are clearly labelled with your name and the task reference.

All electronic files must be given a clear file name that allows your assessor to identify it as your work.

Written work may be digital or handwritten unless stated otherwise.

All sketches and drawings should be neat, tidy and annotated.

Calculations should be set out clearly, with all working shown, as well as any assumptions made. You should use appropriate units at all times, consistent with the requirements of the assignment.

Instructions for this assignment

Ensure you read all the provided assessment information issued by the assessor

You must work independently and not share your work with any other candidates in these supervised assessment sessions.

Your work will be kept secure during any supervised breaks that are taken.

Internet access is **not** allowed, unless otherwise stated in the task.

You will not be permitted any additional notes, such as printed resources and textbooks, unless otherwise stated in the conditions for assessment.

You must complete all the tasks and present all evidence that is detailed in each task.

This assessment booklet contains the assignment brief.

The tasks have been separated into individual documents which will be handed to you at the start of each task.

Any additional documents/templates needed for the task will be provided to you by the assessor.

Within each task you will find the following:

- **Resources:** Provides a list of equipment, documents or tools that you will have access to, to complete the task/sub task.
- **Conditions of assessment:** This will tell you the duration and rules you must follow when completing a task.

- **Controlled conditions:** This will tell you the rules you must follow when completing each task e.g. You must not share or discuss your work with other candidates.
- **What must be produced for marking:** This describes the evidence you must submit when the task is completed. Be aware that failure to submit any evidence requested can adversely affect your overall mark for the assessment.
- **Additional evidence for this task:** This describes other forms of evidence that will be collected by the assessor to support the marking of your performance. This will often include but is not limited to, photographic and video evidence.

Performance outcome assessment themes

A set number of marks are allocated against each assessment theme, based on the performance outcome weightings recommended by stakeholders of the qualification. This mark allocation remains the same for all versions of the assessments, ensuring consistency across assessment versions and over time.

You will be assessed against these assessment themes. This assignment brief has a total of 150 marks. The table below shows the mark distribution for this assessment.

Performance outcome (PO)	PO assessment themes	Marks per assessment theme	Marks per PO
PO2 Establish ornamental and environmental horticultural areas.	Health and safety	9	45
	Environment	6	
	Identify features and characteristics	6	
	Plan for establishment	6	
	Establish planted areas	Prepare establishment area (6) Establish plants (12)	
PO3 Maintain ornamental and environmental horticultural areas	Environment	6	30
	Identify requirements and plan maintenance	12	
	Perform maintenance	12	
PO4 Install landscape features	Health and safety	12	45
	Environment	6	
	Plan for installation	9	
	Install hard landscaping features	Prepare installation sites (6) Install features (12)	
PO5 Manage existing designed landscapes	Environment	9	30
	Identify designed landscape features and characteristics	9	
	Landscape management planning	12	
Totals		150	150

3. Assignment brief

Your employer, Guilds Landscaping, has been contacted by a local community group which is planning to restore an abandoned garden. The community group's key objective is to open it as an environmentally sustainable, accessible open space for gardening enthusiasts to enjoy.

The garden should showcase a variety of horticultural and landscaping features, in keeping with the surrounding rural landscape, which is distinctive for its limestone buildings and chestnut fencing.

The *Site layout drawing (Figure 1)* shows the existing site layout.

The soil throughout the site is a well-drained loam with a pH of 6.5. Rare orchids, *Cypripedium calceolus* (Lady's-slipper) are present in the overgrown hedgerow area to the north-east of the site. The derelict building has been made safe and is to be retained for restoration in the future.

The community group have specified the following new features to be incorporated into the restored garden:

- six new planted trees
- a perennial wildflower border of at least 10 square metres in size (any shape)
- a turfed picnic area of at least 20 square metres (any shape)
- a new 3m × 2.4m hard surfaced picnic area
- restoration of a wooden fence.

You will decide where and how the new features will be installed/established on the site within your plans.

There are **two** parts to your assignment:

Project Planning (Tasks 1-2)

You will develop a project plan for the restoration of the site. This will include:

- A plan for the restoration of the garden including installation/establishment of the new features.
- A three-year management report for the restored garden

Your management report for the restored garden will be presented to the community group for approval.

Practical Tasks (Tasks 3-6)

You will demonstrate a range of skills involved in the restoration project including:

- Preparing ground, establishing plant species including planting, sowing, turfing and propagation, maintaining hedges, propagating plants, laying a patio and fence renovation.

You will carry out a survey of another site for the community group:

- You will be required to undertake a detailed survey of the site including site characteristics, soil conditions, plants, habitats, utilities/services and hard landscaping features, and propose a suitable horticultural development for the area.

This assignment contains 6 tasks and has a total time of 48.5 hours*

(*plus 10 minutes to deliver presentation)

4. Tasks

Task 1 – Planning proposal

Refer to the *Site layout drawing (Figure 1)* and the information given in the brief.

You must develop a planning proposal for a team of three qualified and experienced workers to carry out the restoration of the site within a timescale of six months (starting in March), incorporating:

- six new planted trees
- a perennial wildflower border of at least 10 square metres in size (any shape)
- a grass picnic area of at least 20 square metres (any shape and establishment method)
- a new 3m × 2.4m hard surfaced picnic area
- restoration of the wooden fence.

You may choose whether to retain, modify or remove any existing features.

The planning proposal must include:

- sketches to show the proposed layout/locations of the new features on the site, and written justifications for them within the proposal.
- sketches should also show any proposed modification/removal of existing features, and written justifications for them within the proposal.
- **your assessor will provide copies of the *Site layout drawing – candidate sketches (Figure 2)* for you to sketch on.**
- The requirements for all of the above activities including:
 - Tasks
 - Responsibilities
- resource allocation, to include equipment, machinery, materials and staff.
- timescales
- evaluation of the potential positive and negative impacts of the work on the environment including any protected plant species present on the site.
- justifications for all of the above.

You are **not** required to provide costings or budgets for this task.

Resources

- Assignment brief
- *Site layout drawing (Figure 1)* printed from original file, to scale
- *Site layout drawing – candidate sketches (Figure 2)* printed from original file, to scale
- IT facilities with monitored internet access
- Calculator
- Drawing/sketching equipment (ruler, scale ruler, compass, pencils/pens)

Conditions of assessment:

- The time allocated for this task is **8 hours**.
- You must carry out the task on your own, under controlled conditions.
- You will be given a copy of the brief, the *Site layout drawing (Figure 1)* and the *Site layout drawing – candidate sketches (Figure 2)*.

- Internet access is permitted for this task.

Controlled conditions

- You must only work on tasks in the allocated times.
- Assessment evidence must be handed in at the end of each session for secure storage.
- You must not share or discuss your work with other candidates.
- You are not permitted to bring any additional materials into the assessment session.

What must be produced for marking

- Planning proposal (typically five sides of A4 including sketches)

Task 2 – Management report

The community group have obtained £180,000 of funding to manage and develop the site over a three year period, after the initial improvements have been carried out.

You will assess the management requirements of the horticultural area and plan the management of the designed landscape from Task 1.

- a) Produce a written three year management report for the grounds, planted areas and structures, covering the following:
- resources required, to include equipment, machinery, materials and staff, with justifications
 - indicative three year budget for the above, realistically costed and not exceeding the £180,000 budget
 - a maintenance schedule for the grounds, planted areas and structures
 - reference to environmental management (including biosecurity) and sustainability
 - recommended opportunities for development of additional horticultural/landscaping features (you may add to your sketches from Task 1)
 - justifications for all of the above.

The management report will be based on your planning proposal from Task 1 for the site shown in *Figure 1*. You will have access to your planning proposal from Task 1. You may create your report to include sketches, tables and graphs.

- b) Create a short presentation of up to 10 minutes using digital media (e.g. PowerPoint or similar software), summarising the management report for the chairperson of the community group.

Your assessor will play the role of the community group chairperson for you to deliver your presentation. (You will deliver your presentation 1:1 to your assessor - you are **not** required to present in front of other candidates).

Resources

- Assignment brief
- Copies of your output from Task 1 (project plan including sketches)
- *Site layout drawing (Figure 1)* printed from original file, to scale
- IT facilities and software with monitored internet access
- Calculator
- Drawing/sketching equipment (ruler, scale ruler, compass, pencils/pens)

Conditions of assessment:

- the time allocated for this task is:
 - a) Report – 8 hours
 - b) Creating presentation – 1.5 hours (+10 minutes to present)
- Presentations will be delivered in a separate session.
- you must carry out the task on your own, under **controlled conditions**
- you will be given copies of your completed documentation (including sketches) from Task 1, the assignment brief and the *Site layout drawing (Figure 1)*.
- you must produce your presentation using digital media (e.g. PowerPoint or similar software)
- internet access is permitted for this task

Controlled conditions

- You must only work on tasks in the allocated times.
- Assessment evidence must be handed in at the end of each session for secure storage.
- You are not permitted to bring any additional materials into the assessment session.
- You must not share or discuss your work with other candidates.

What must be produced for marking

- Management report (typically 2000 words)
- Presentation (up to 10 minutes)

Additional evidence for this task

- Assessor observation of the presentation
- Video recording of the presentation

Task 3 – Establishment of new planting

In this task you will demonstrate the skills required to plant trees, sow a wildflower border and turf an area, as an exercise at your centre.

- a) Using the *Risk assessment template (Figure 3)* provided, produce a risk assessment of the site for all of the work to be carried out.
- b) Select and use appropriate personal protective equipment (PPE), and use a mechanical rotavator and any other necessary tools to prepare the area of ground selected by the assessor, for sowing perennial wildflower seed mixes:
 - Carry out pre-use checks on all tools and machinery.
 - Set up and adjust the mechanical rotavator.
 - Prepare the ground to achieve a suitable tilth for sowing.
- c) Select and use appropriate tools, equipment and personal protective equipment (PPE) to:
 - Check the condition of the trees, then plant the trees and add ameliorants appropriate to the site conditions, at the appropriate rate according to the supplier's instructions. (You will work **in pairs** to plant the trees).
 - Aftercare:
Install stake/support and protection required.
Water the trees.
 - Accurately mark out an area of 10 square metres. (You will do this alone, the assessor may assist you but will **not** give any guidance on how to complete the task)
 - Calculate, weigh out and sow the seed mix at the correct rate, according to the supplier's instructions.
 - Aftercare:
Cordon/rope off the area.
 - Lay 20 square metres of turf in a prepared area. (You will work **in pairs** to lay the turf, both of you must demonstrate cutting the turf)
 - Aftercare:
Cordon/rope off/place signs on the turfed area.
- d) Clean tools, equipment and machinery, carry out any appropriate maintenance and return to storage at appropriate times during the task. Ensure the site is kept clean and clear during the task, and is left in a clean, safe and aesthetically pleasing condition on completion.

Resources

- Appropriate PPE
- Mechanical rotavator
- Manufacturer's operator's manual for the mechanical rotavator
- Appropriate range of hand tools and equipment
- Fuel/oil/lubricant
- Two standard trees
- Perennial seed mix
- Seed containers
- Balance/scale
- Turf
- Tape/rope/signage

Conditions of assessment:

- the time allocated for this task is **9.5 hours**
 - a) Risk assessment 1 hour

- b) Ground preparation: 2.5 hrs
- c) Tree planting: 1.5 hr, sowing: 1.5 hr, turf: 2.5 hrs
- d) Cleaning/storage: 30 minutes

- you must carry out the risk assessment, ground preparation, marking out and sowing of seed on your own, under **controlled conditions** while being observed.
- planting of trees and laying of turf will be carried in groups of **two**, under **controlled conditions** while being observed. You must demonstrate all of the required skills during the task.
- internet access is **not** permitted for this task

Controlled conditions

- You must only work on your tasks in the allocated times.
- Assessment evidence must be handed in at the end of each session for secure storage.
- You are not permitted to bring any additional materials into the assessment session.
- You must not share or discuss your work with other candidates

What must be produced for marking:

- Risk assessment
- Completed turfed area, seeded perennial bed, and two planted trees.

Additional evidence for this task

- Assessor observations:
 - 3b: Ground preparation
 - 3c, d: tree planting, marking out and sowing, laying turf, aftercare, cleaning/storage
- photographic/video evidence captured by the assessor

Task 4 – Maintenance and propagation

In this task you will demonstrate the skills required to prune a hedge and propagate plants from cuttings, as an exercise at your centre.

a) Prune a hedge using a hedge trimmer, as directed by your assessor.

- Check the hedge, identify pruning requirements and check for wildlife, debris and hazards.
- Provide a verbal risk assessment for the task.
- Select the appropriate personal protective equipment (PPE), equipment and materials needed for hedge cutting.
- Carry out the operators checks on the hedge trimmer, in accordance with the manufacturer's instructions.
- Carry out hedge pruning.
- Dispose of waste safely and correctly.
- Maintain and store equipment after use.
- Ensure the site is left in a safe and tidy condition.

b) Collect and prepare soft tip or semi-ripe cuttings for propagation from a suitable source. Propagate **three** pots of **six** cuttings each:

- Provide a verbal risk assessment for the task.
- Select and use the correct personal protective equipment (PPE), equipment and materials needed for propagation.
- Select, collect and store vegetative propagation materials to ensure viability is maintained.
- Prepare work station, growing media and **three** pots.
- Prepare and insert **six** cuttings into **each** pot.
- Label the plant material with the date, plant name and any other workplace requirements.
- Provide immediate aftercare e.g. watering and transferring to propagation unit.
- Dispose of waste safely and correctly.
- Ensure the work area is left in a safe and tidy condition.

Resources

Part a) Hedge:

- Appropriate PPE
- Powered hedge trimmer (petrol or electric) and all necessary accessories including fuel/batteries/charging equipment
- Manufacturer's operators manual for the hedge trimmer
- Maintenance tools for the hedge trimmer
- Hand tools

Part b) propagation

- Appropriate PPE
- Source plants for cuttings
- Covered environment for propagation
- Knives/secateurs/cuttings scissors
- Growing media and pots/containers
- Labels and labelling materials
- Dibber or equivalent
- Rooting powders or gels (if appropriate)

- Irrigation/watering equipment

Conditions of assessment

- You will maintain a 5m length of hedge (both sides and top).
- You will propagate three pots of six cuttings each.
- The time allocated for this task is **4 hours**:
 - 4a) Hedge maintenance – 2 hours
 - 4b) Propagation – 2 hours.
- You must carry out the tasks on your own, under controlled conditions while being observed.
- Internet access is not permitted for this task.

Controlled conditions

- You must only work on tasks in the allocated times.
- You are not permitted to bring any additional materials into the assessment session.
- You must not share or discuss your work with other candidates.

What must be produced for marking

- Completed hedge maintenance
- Completed propagation of three pots of six cuttings each

Additional evidence for this task:

- assessor observations:
 - Hedge maintenance
 - Propagation
- photographic/video evidence captured by the assessor

Task 5 – Installation of hard landscaping features

In this task you will demonstrate the skills required to install a patio and repair a fence, as an exercise at your centre.

a) You will be provided with the *Patio design drawing (Figure 4)* for the patio area by the assessor. The patio is approximately 3m × 2.4m in size (not including pointing gaps). The bedding material will be a sand and lime wet mix and the depth will be 50 mm.

- i) Using the templates provided, produce the following:
- risk assessment (*Figure 3*) for the patio installation
 - method statement (*Figure 5*) for the patio installation
 - bill of quantities including tools/equipment, materials and quantities required.
 - Refer to the *Materials price list (Figure 6)* and calculate the total cost of materials for the patio installation.
 - Record this in the space provided on the *Bill of quantities template - Patio (Figure 7a)*.

ii) Install the patio area. (You will work **in pairs** to install the patio)

Select and use appropriate tools, equipment and personal protective equipment (PPE) to install the patio:

- prepare the bedding including mixing, levelling and marking out.
- mark and cut materials using an abrasive wheel according to the information on the *Patio design drawing (Figure 4)*.
- lay the paving slabs according to the design drawing.
- leave the work area in a safe and tidy condition.
- clean tools, equipment and machinery, carry out any appropriate aftercare and return to storage or designated area.

b) The site also features a section of wooden post and rail fence in need of renovation.

- i) Using the templates provided, produce the following:
- risk assessment (*Figure 3*) for the fence renovation.
 - method statement (*Figure 5*) for the fence renovation.
 - bill of quantities including tools/equipment, materials and quantities required for the fence renovation.
 - Record this in the space provided on the *Bill of quantities template - Fence (Figure 7b)*.
 - You are **not** required to cost this part of the task.

ii) Select and use appropriate tools, equipment and personal protective equipment (PPE) to carry out the required renovation work:

- replacement of a damaged rail
- replacement/reinstallation of a post
- application of protective coatings
- leave the work area in a safe and tidy condition
- clean tools, equipment and machinery, carry out any appropriate aftercare and return to storage or designated area.

Resources

Part a) Patio:

- *Risk assessment template (Figure 3), Method statement template (Figure 5), and Bill of quantities template – Patio (Figure 7a)*
- *Patio design drawing (Figure 4)* printed from original file, to scale
- *Materials price list (Figure 6).*
- Sand, lime and water
- 600 × 600 mm paving slabs
- A range of tools, equipment and materials for preparing the bedding and laying the patio including marking and cutting tools
- Abrasive wheel with water kit/dust suppression kit
- Manufacturer's operators manual for the abrasive wheel
- Appropriate PPE for all activities

Part b) Fence:

- *Risk assessment template (Figure 3), Method statement template (Figure 5) and Bill of quantities template – Fence (Figure 7b)*
- A range of tools, equipment and materials for renovating the fence
- Appropriate PPE for all activities

Conditions of assessment:

- the time allocated for this task is **10.5 hours**
 - a) i) Risk assessment, method statement and bill of quantities: 2 hrs
 - a) ii) Prepare bedding material, mark and cut materials, laying surface: 5 hrs
 - b) i) risk assessment, method statement and bill of quantities: 1.5 hrs
 - b) ii) Fence renovation: 2 hrs
- You will carry out the installation of the patio in groups of two, under controlled conditions while being observed.
- You will be provided with the *Patio design drawing (Figure 4)* showing the layout and dimensions of the paving slabs.
- You must carry out the fence renovation on your own, under controlled conditions while being observed.
- You may have assistance from another candidate/a technician/other member of staff, with the post re-installation element of the task (to lift the post into the hole and position it). You must direct the actions of your assistant.
- Internet access is not permitted for this task.

Controlled conditions

- You must only work on tasks in the allocated times.
- Assessment evidence must be handed in at the end of each session for secure storage.
- Risk assessments, method statements and bills of quantities must be completed using the templates provided. These templates may **only** be altered by adding rows to the tables.
- You are not permitted to bring any additional materials into the assessment session.
- You must not share or discuss your work with other candidates.

What must be produced for marking

- Risk assessment, method statement and bill of quantities for preparation of bedding and laying of patio
- Risk assessment, method statement and bill of quantities for fence renovation

Additional evidence for this task:

- Assessor observations:
 - Patio installation
 - Fence renovation
- photographic/video evidence captured by the assessor

Task 6 – Site survey and report

The community group has identified a site at the centre for their next renovation project. They have asked you to survey this site for them to determine its characteristics and any challenges and opportunities for establishing an ornamental and environmental horticultural area. Your assessor will provide you with a map of the site and a *Survey recording form (Figure 8)* to complete.

a) Select and use appropriate tools and equipment to carry out a survey of the site which should include:

- site characteristics including drainage/groundwater, aspect, topography, exposure and situation, microclimates, location of any overhead or underground services, proximity to buildings and structures
- existing landscaping features
- soil characteristics and conditions including texture and structure, pH and water holding capacity
- identification by common and full scientific name of fifteen plants, including weeds and one protected species, use of books/keys/apps is permitted
- identification of three habitats.

You must record the information from your survey on the *Survey recording form (Figure 8)* provided.

b) You will demonstrate the skills required to locate the underground pipe/cable as an exercise at your centre.

- Your assessor will provide a map of the site which shows the approximate location of the underground pipe/cable.
- Confirm the location of an underground pipe/cable using a CAT and Genny, and mark the location on site.

c) Produce a written report to show the findings from your survey of the site. Your report must include:

- the findings of the survey
a recommendation for an appropriate horticultural development for the area, with justification. This should include at least one sustainable horticultural feature.

Resources

- *Survey recording form (Figure 8)*
- Plant identification books/keys/apps
- Appropriate equipment to survey site characteristics: drainage, aspect, topography, exposure and situation, microclimates
- Appropriate equipment to conduct soil tests: texture and structure, pH, water holding capacity
- A map/plan/diagram of survey site(s) showing the site boundaries and the approximate location of an underground metal pipe or cable
- A Cable Avoidance Tool (CAT) and Genny
- Manufacturer's operator's manual for the Cable Avoidance Tool (CAT) and Genny
- Temporary marking equipment
- Appropriate PPE

- IT equipment and software

Conditions of assessment

- The time allocated for this task is 7 hours
 - a) Survey: 3 hrs
 - b) Pipe/cable location 1.5 hrs
 - c) Report: 2.5 hrs
- You will carry out the survey under **controlled conditions** while being observed. you must carry out each aspect of the survey independently.
- You must produce the report on your own, under **controlled conditions** while being observed.
- Internet access is **not** permitted for this task (except for the use of plant identification apps in part a.)

Controlled conditions

- You must only work on tasks in the allocated times
- Assessment evidence must be handed in at the end of each session for secure storage
- For part a) (the survey), you may use plant identification books/keys/apps provided by the assessor.
- You are not permitted to bring any additional materials into the assessment session.
- You must not share or discuss your work with other candidates.

What must be produced for marking

- Completed *Survey recording form*
- Report on survey findings (approx. 1000 words).

Additional evidence for this task

- Assessor observations:
 - site survey and underground pipe/cable location
- Photographic/video evidence captured by the assessor

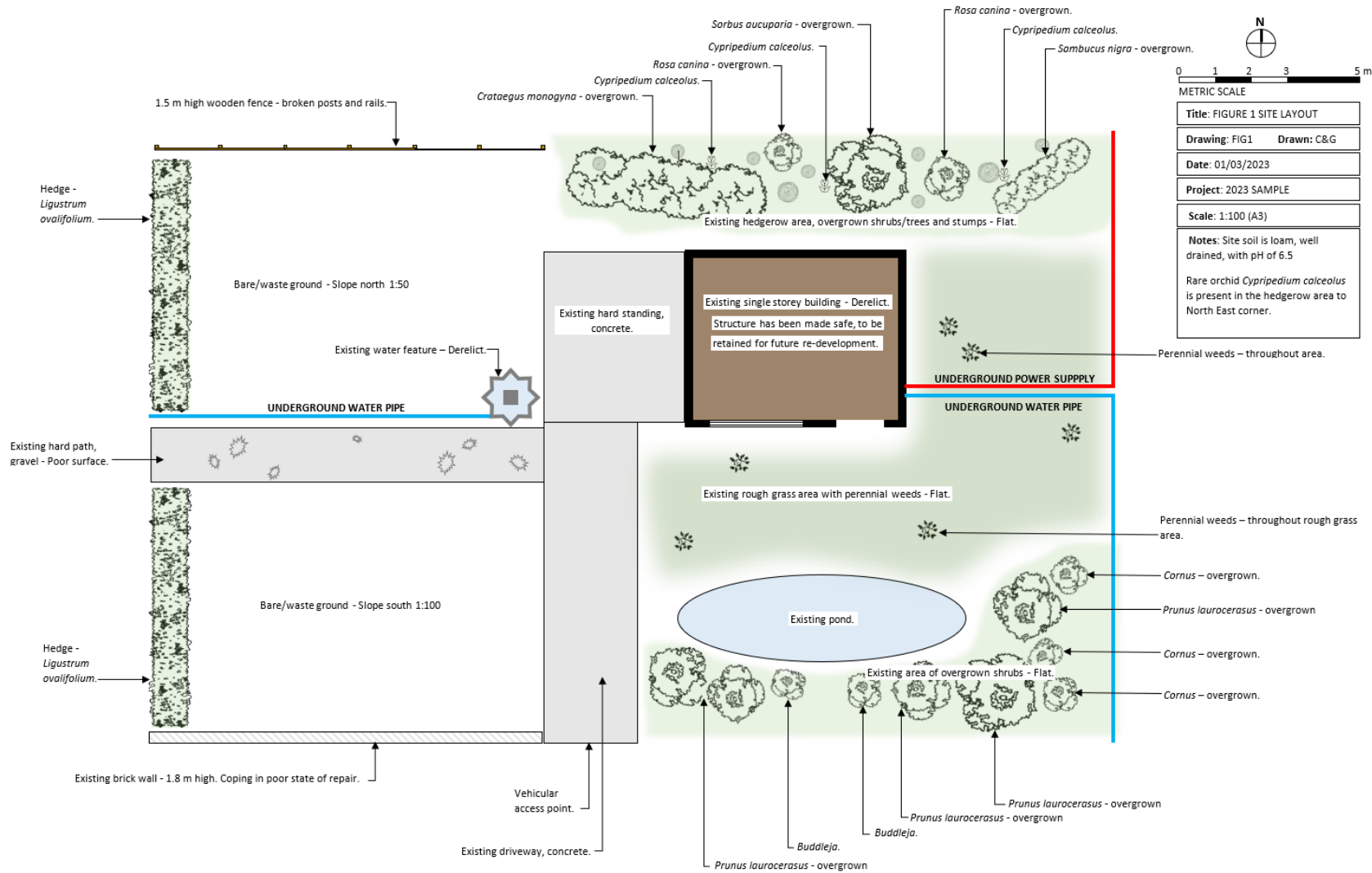
5. Annex

Contents:

Site layout drawing (Figure 1)

To be issued to the candidate with the assignment brief

Site layout drawing (Figure 1)



***INDICATIVE ONLY – MUST BE PRINTED IN A3 SIZE FROM ORIGINAL FILE FOR TRUE SCALE BEFORE ISSUING TO CANDIDATES**

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