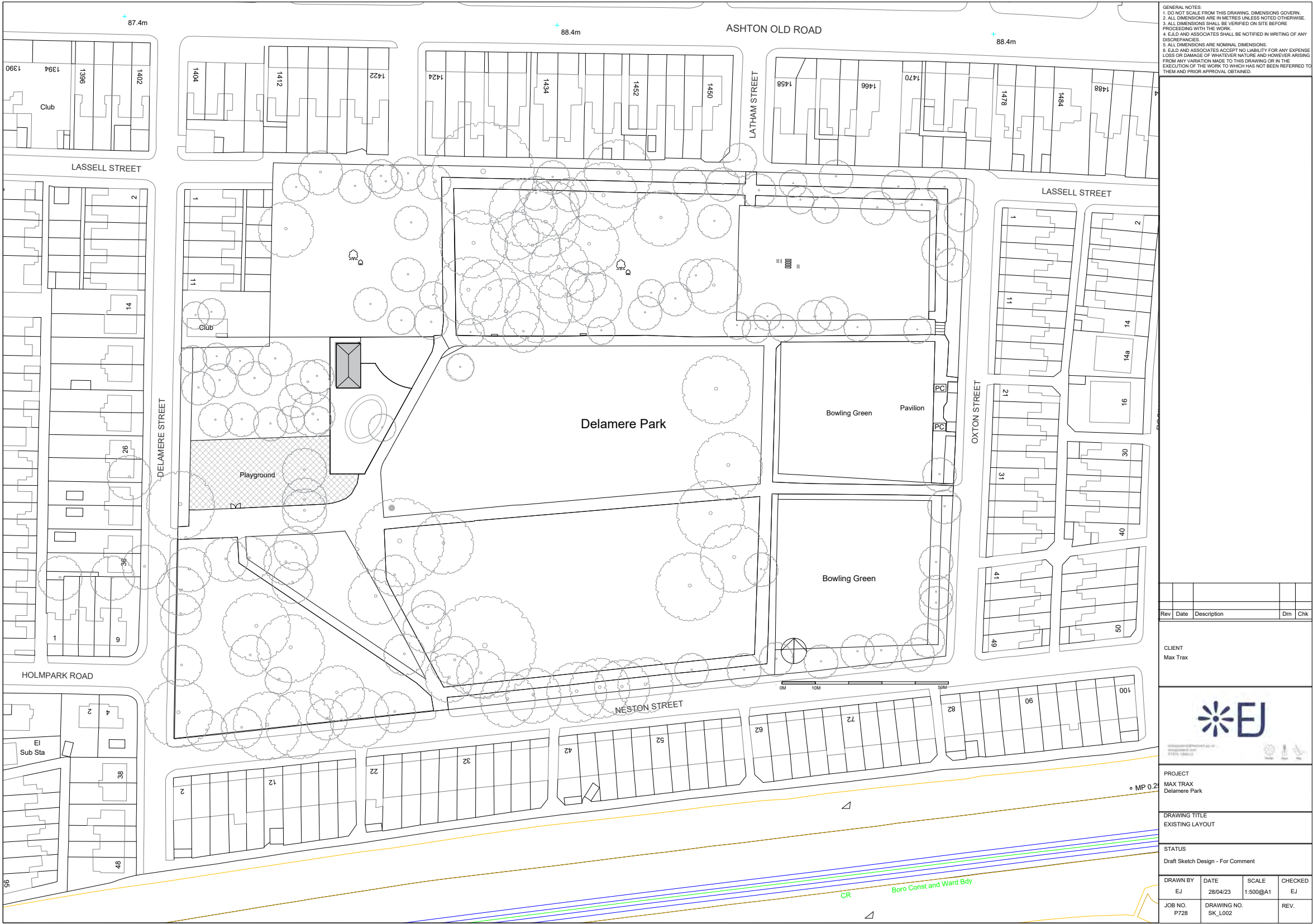




6 The Proposals

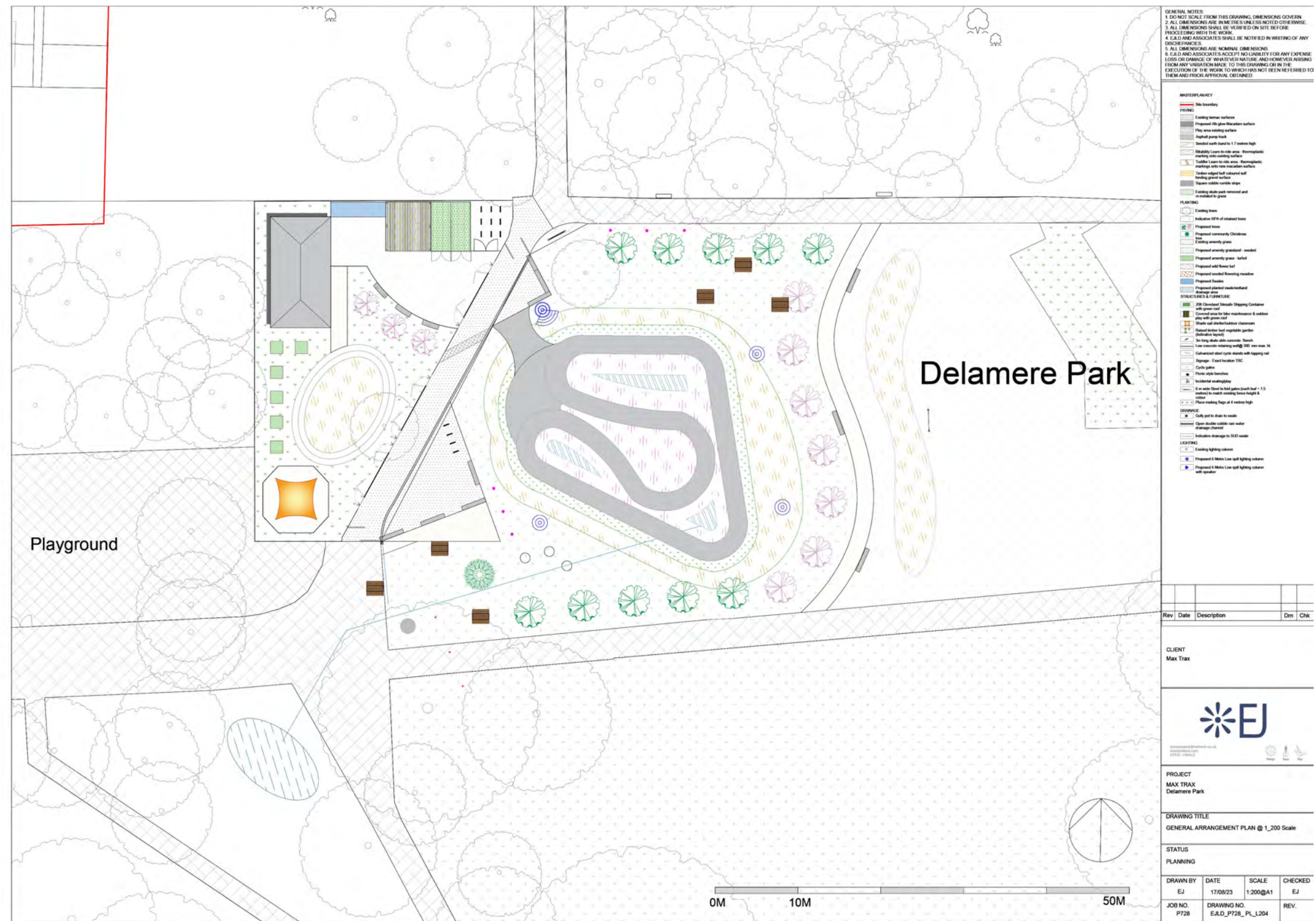
6.1 THE EXISTING PARK LAYOUT



6.2 THE PROPOSED PLAN



6.3 THE TRACK MASTERPLAN @1: 200 SCALE



6.4 THE PUMP TRACK

- The track is a continuous loop of berms (bends) and “rollers” (smooth mounds)
- The name “pump track” comes from the pumping motion used by the rider’s upper and lower body as they ride around the track
- Pump tracks can be ridden by cyclists of all ages and skill levels
- It is designed for “all wheels” such as mountain Bikes, Scooters, BMXs, Skate boards, In line skates
- The track is not designed for motorised bikes which find it difficult to use due to the camber on the berms (bends)
- All-wheel tracks are surfaced with asphalt, which is largely maintenance free
- Each track has a tarmac ramp to the start area and coaching space



Scooters



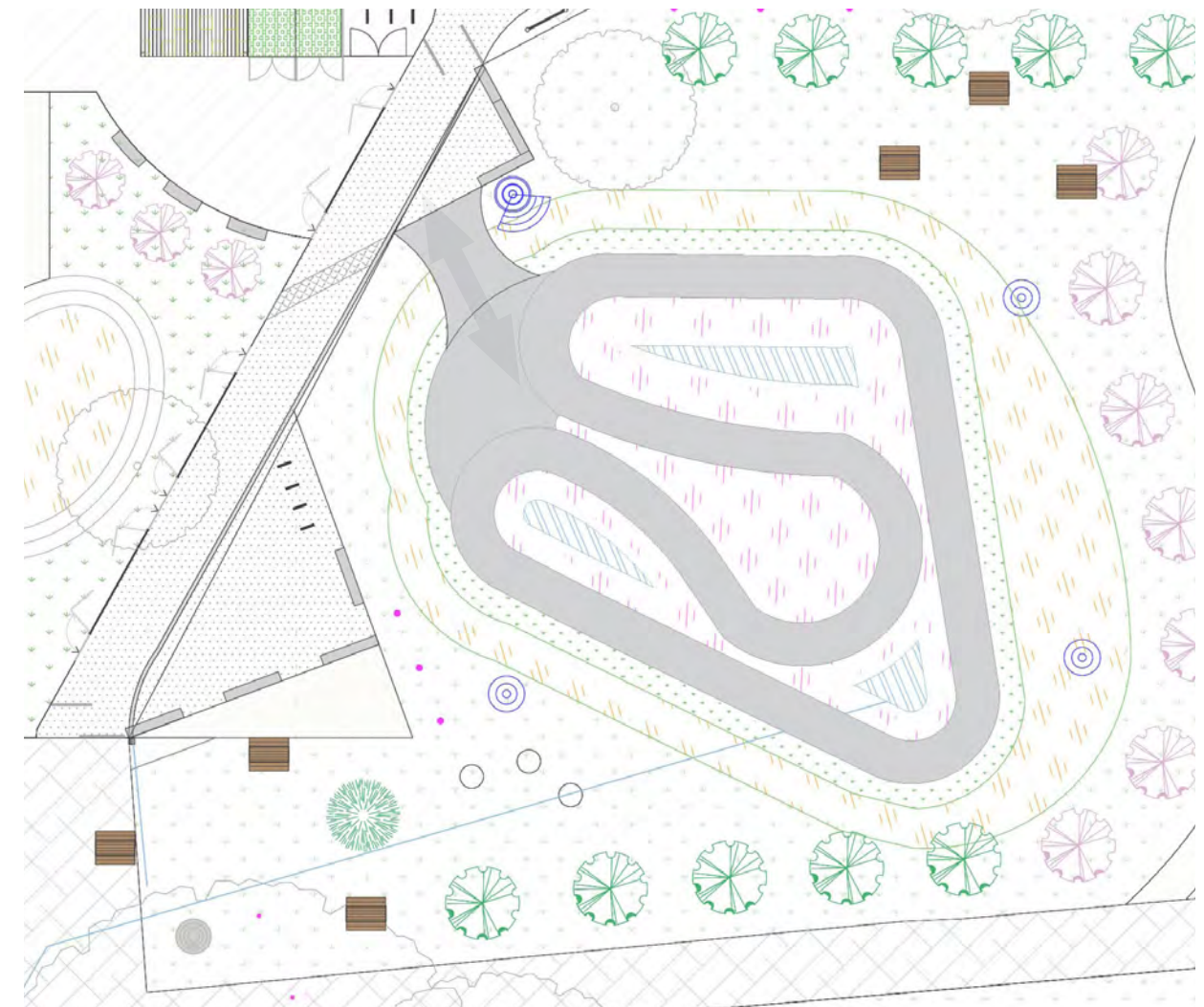
Experienced riders



Mountain bikes



Beginners

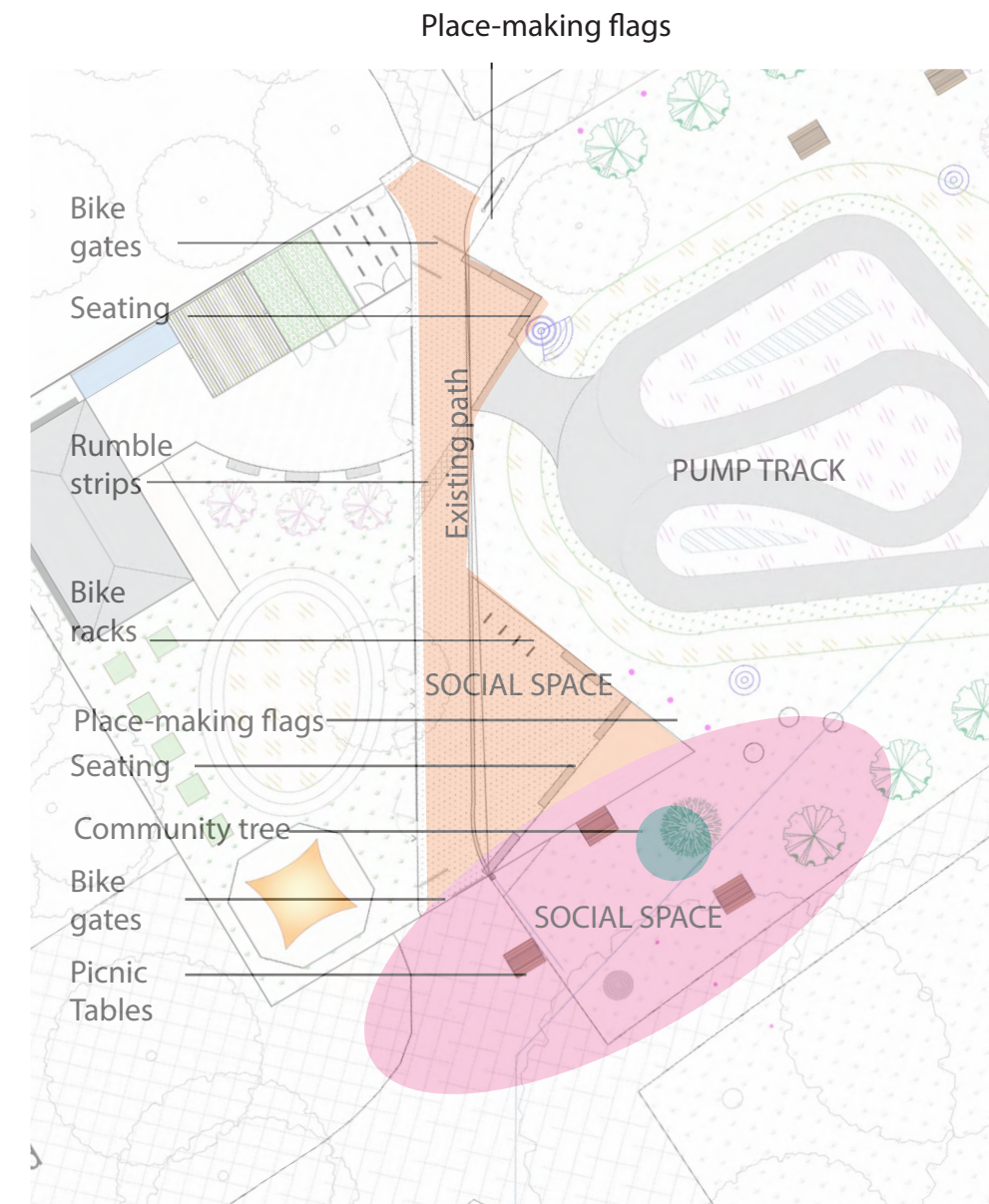


Key

←→ Indicative start hill location

6.5 THE COMMUNITY AREAS

- The track has been designed to fit seamlessly into the wider park landscape and at the same time have it's own sense of identity
- Whilst still completely open to the wider park, the cycle gates and rumble strips to the north and south "entrances" signal the bike track area. The bike gates and rumble strips also act to slow down bike users approaching and leaving the bike track along the existing pathway
- The use of macadam with florescent chips is proposed between the "entrances" could be changed to further emphasize the distinctiveness of the area
- NB. The exact location of the cycle gates and rumble strips will be agreed with park managers and other stakeholders.
- It is proposed that there is welcome signage at north and south "entrances" and place making banner flags on 4 metres high posts
- Areas along the path have been widened to form mini social spaces with concrete furniture, forming robust seating and retaining any level changes. These are west facing so will catch the afternoon sun.
- General cycle parking has been included for wider park users and any non-riders, such as parents, who visit the park on bikes
- The bike track area spills south into a larger multifunctional area in the centre of the park which could used for wider social events, such as seasonal celebrations.
- The larger grassed social area forms the "heart of the park" with accessible picnic tables, incidental concrete seating cubes and a planted specimen community tree (Abies koreana)



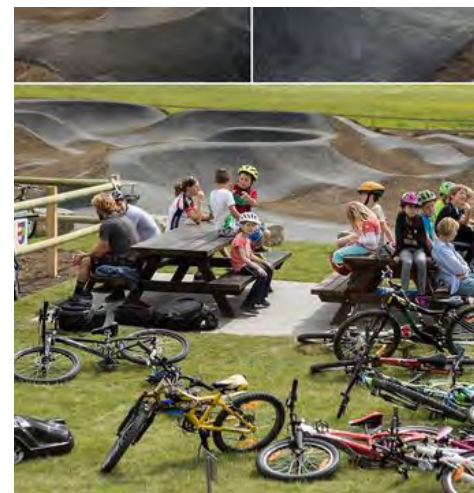
Tarmac with fluorescent chippings



Place-making flags



Picnic tables



Community Tree

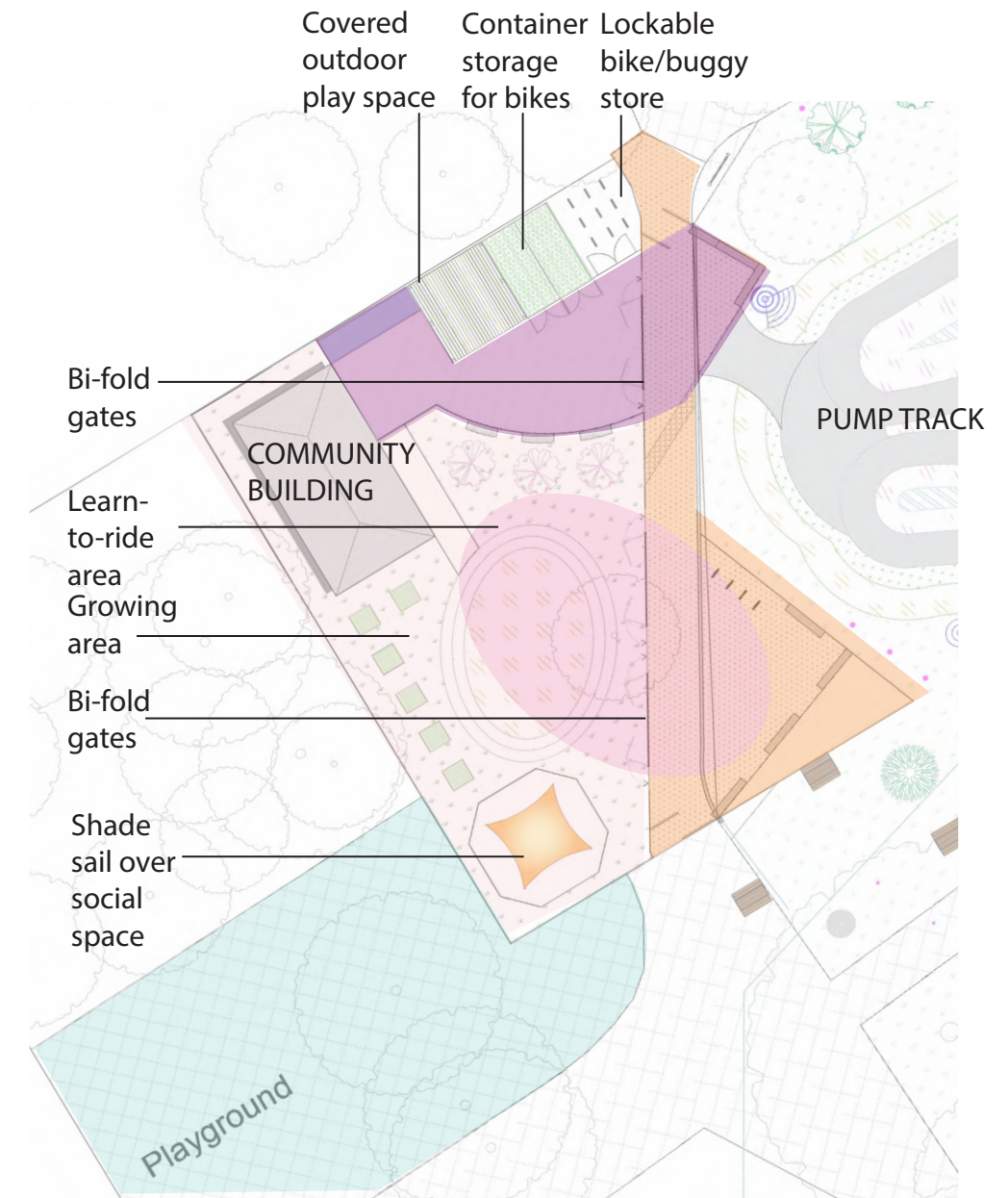


Concrete seating with timber tops



6.6 A NEW COMMUNITY HUB

- The new bike track and the two small associated social spaces have been designed to work as a stand alone areas or to work with, and support, the functions of the community building in the park
- Two sets of steel bi-fold gates at the height of the existing fence open and allow the outdoor space of the community building and track social spaces to form as one large multi-functional space, whilst allowing the community building to still operate independently, whilst also maintaining its security when the gates are closed and locked
- Together with the existing community building and existing play area, the new track and its associated social spaces to the west of the existing path form a new “activity” hub within Delamere park: creating a new social and community heart of the park
- To support a volunteer-led community bike club, secure Cleveland site safe containers with green rooves are proposed, one secure container storage space for bikes and equipment, and a second container for equipment storage. These are located on the hard standing within the boundary of the community building.
- The containers are able to maintain close visual contact with the start area of the pump track), with seating, and bike racks, near to the container. The social spaces also allow additional space for signing children into the club, briefing sessions and bike maintenance.
- It is proposed that outdoor space of the community building is developed with growing areas, a shade sail over a multifunctional social space and a covered outdoor place space



Shade sails



Green roof on container



Learn-to-ride area



Growing Area



Bi-fold gates

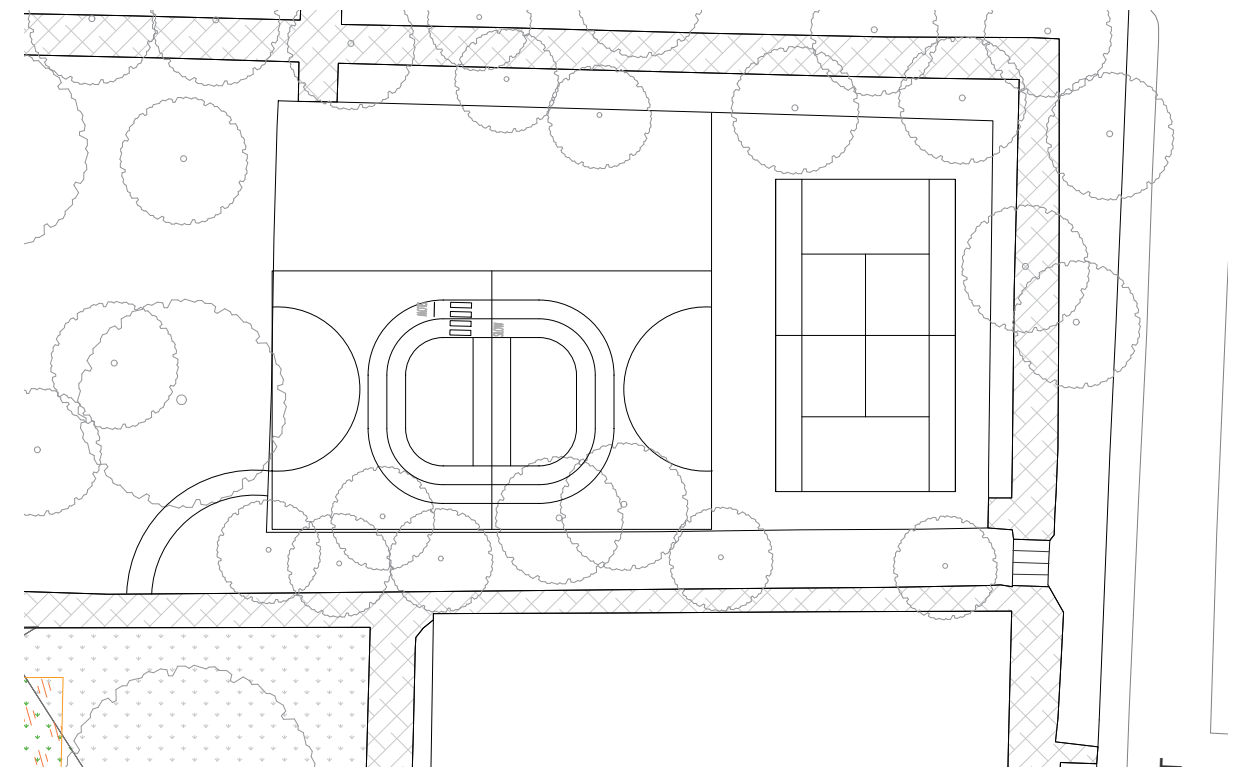


6.7 THE LEARN TO RIDE AREA & TRACK

- A small Learn to Ride area exists within the gardens of the community building. These markings could be extended into the social area adjacent to the track for really young children on balance bikes and scooters, within close proximity to the community hub.
- However as this area is quite compact it would not be suitable for Bikeability Training (the new Cycling Proficiency scheme). However there is potential the existing Multi-Use Games Area to be marked out with and used for road safety training as part of Bikeability training
- Thermoplastic markings, indicate the “roadway”, with crossing points and junctions marked



Learn to Ride tracks



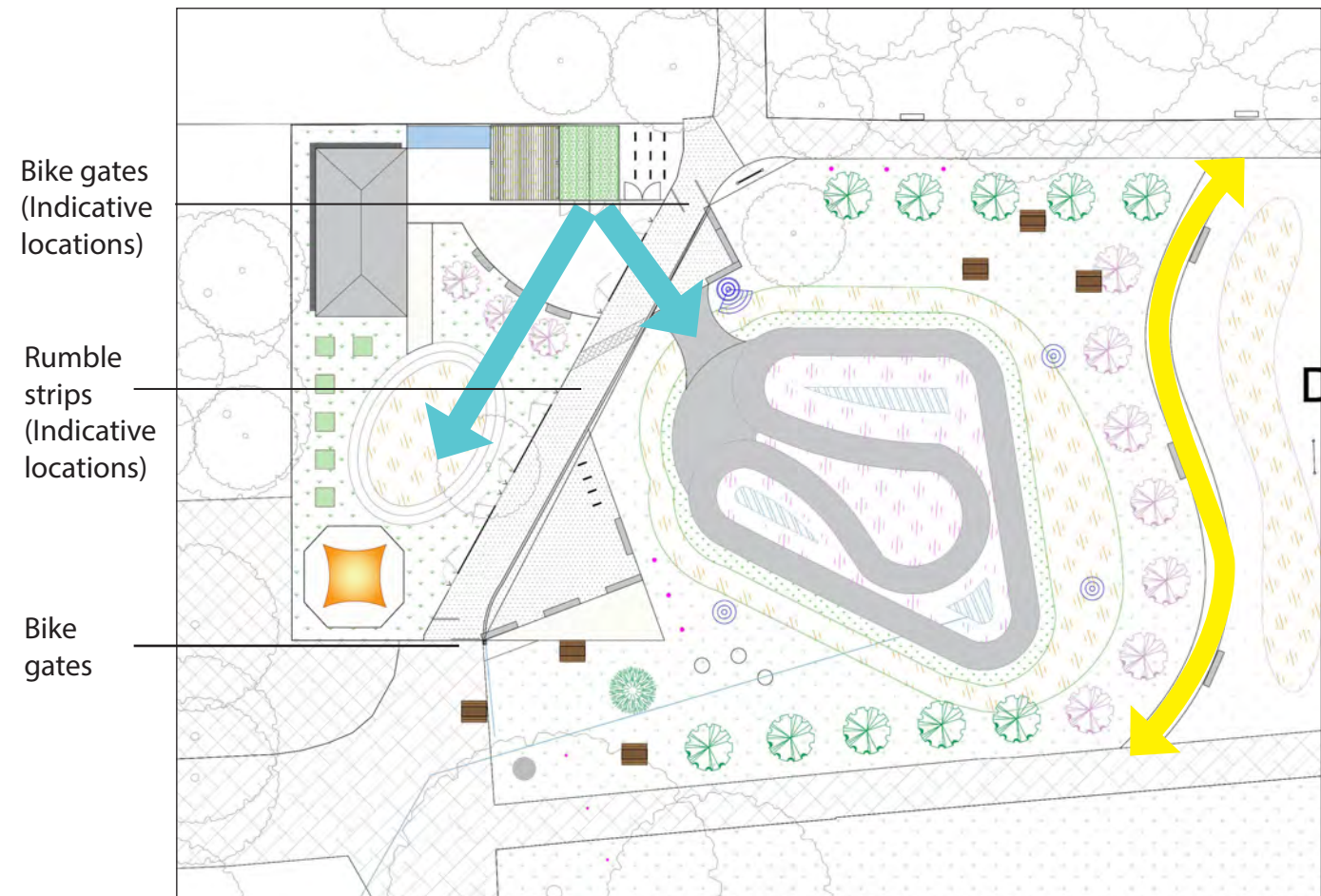
Bikability area



Toddler learn-to-ride

6.8 CIRCULATION, SECURITY & SIGNAGE

- Whilst the path that runs through the cycle track area is still open to all, certain park users may prefer to take a short-cut across the park, so a new bound gravel path, alongside an avenue of blossom trees, and bands of wild-flower meadow planting is proposed north to south across the central lawns
- It is proposed that the storage containers are steel anti-vandal secure shipping containers, with a 10-lever integral locking system and doors with anti-jemmy edges; forming robust vandal proof structures to ensure the safe storage of equipment
- The containers have been carefully positioned, to minimise hidden corners in line with Secured by Design guidance, to have good surveillance of the track and also to the entrances
- Concrete and timber vandal resistant furniture is proposed
- The track is not designed for motorised bikes, which find it difficult to use due to the camber on the berms (bends)
- As mentioned it is proposed that at the northern and southern entrances to the track area there are bike gates to slow down cycles on the pavements and in-ground rumble strips.
- Safety signage is proposed around the track area, as well as way finding signage in locations to be determined with local users
- There are toilet facilities within the community building, however it assumed that most visits would be hyper-local and therefore the lack of on-site facilities is not envisaged as a major issue



KEY

- ↔ Clear sight lines from track to club area and learn-to-ride area
- A new self binding gravel footpath allows park users to avoid the track

Way finding signage



Track signage



Luminous markings



Bike gates



Rumble strips



6.9 LIGHTING STRATEGY

It is proposed that this facility is lit, to extend the use of the track into the evenings. Due to the nature of the sport, riders require a suitable amount of light to plan out their route and landings to ensure a run is completed as safely as possible.

It is proposed that LED lights are used for its cost saving, longevity and low maintenance

4 No. XXXXX floodlights with high performance fittings on base-hinged masts are proposed around the track.

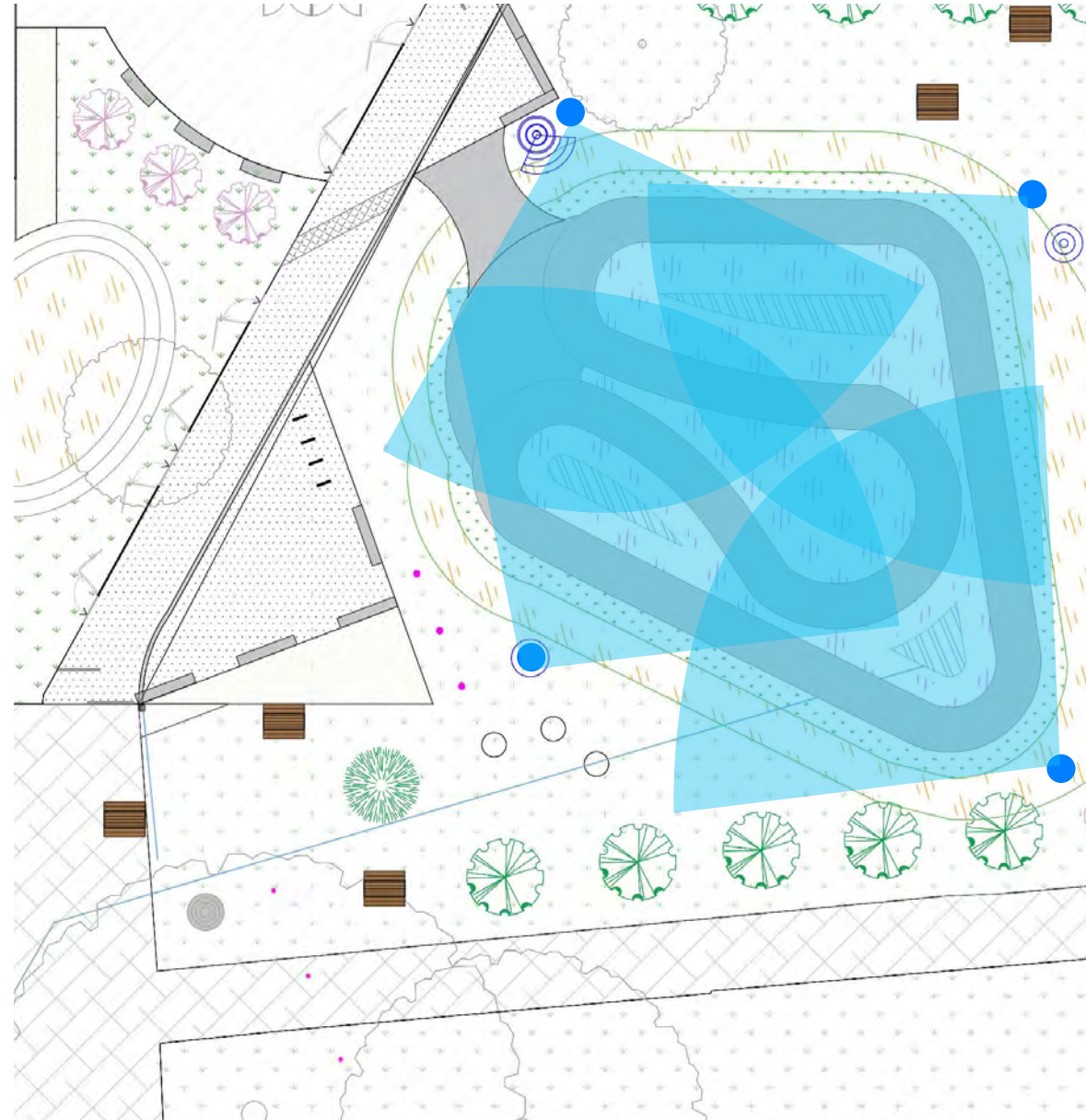
The Challenger 3 is designed with an internal baffle which improves light efficiency, ensuring minimal light loss whilst reducing glare to those under the lights. The light control and precision lighting results in a lower number of masts being required, increasing safety on the ground by keeping the number of steel structures near to the track at a minimum.

The average horizontal maintained lux level is 2500 lux, with a minimum vertical lux level of 1400 lux. The use of Challenger 3 floodlights provided uniformity of over 0.7 and minimal glare across the track.

To extend the life of the lamp and electrical components, they are housed in an IP66-rated high pressure die-cast aluminium body with toughened front glass to further protect the fitting from the outdoor environment.

Base-hinged masts are ideal for the track's uneven terrain. Base-hinged masts can be installed so that they are dropped in a set direction, allowing for maintenance to be undertaken at ground level on an even surface.

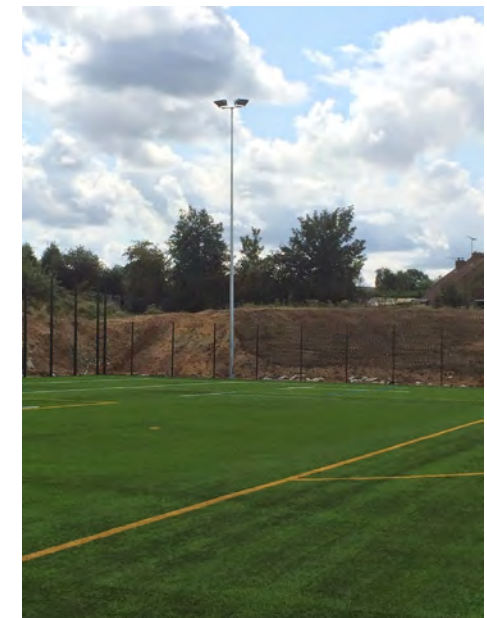
The lights can be operated from a control panel or by remote control from a phone and can be used on a timer. A phased shut down is always necessary so that lighting does not go off completely but dims down in stages for user safety.



Indicative Lighting



Indicative Lighting



Indicative Lighting

6.10 IMPROVEMENTS TO BIODIVERSITY

The improvements to the park also include enhancements to the biodiversity of the site including; the planting of new trees, areas of longer grass, drainage swales seeded with native species. These improvements to biodiversity within the park will also help integrate the new track into the existing landscape.

1. New tree planting including Amelanchier 'Robin Hill' will add biodiversity to the site and help integrate the track into the landscape whilst also linking the north and south wooded and parkland areas in Delamere Park.

2. New ornamental tree plantings including Prunus x yedoensis and Prunus x subhirtella 'Autumnalis' alongside the new link path will provide delight and also food and habitat for birds and invertebrates

3. Bat's are known to use the surrounding the site, therefore new bat boxes are proposed in the northern and southern sides of the site.

4. The berms will be seeded with wild flower meadow seed and the wider grassed areas around the track will be left long, to allow a meadow style theme to emerge. This will benefit invertebrate species, which prefer longer grass.

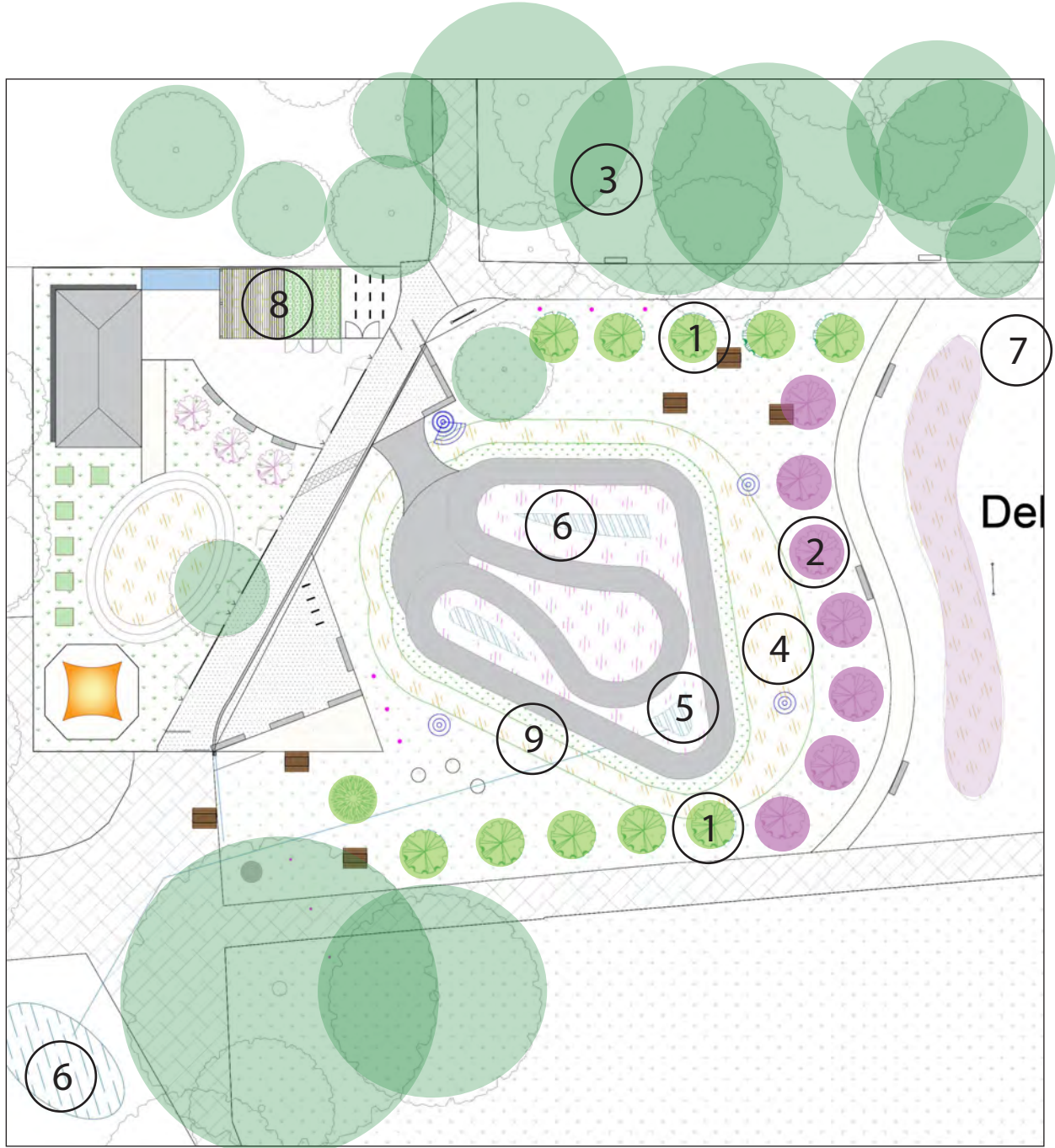
5. The track inner drainage areas will be planted with wild flower turf.

6. The drainage areas within the track will feed into a new swale which will be planted with a native species mix of perennials, of types which can survive inundation and flooding and also tolerate dry conditions. This vernal ponds provide a micro habitat for a range of invertebrate and reptiles species.

7. It is proposed that the old skate area is reverted back to grass and the entire central lawn is turned into a wild flower meadow with mown grass paths for access.

8. The storage containers and covered play areas will have green rooves and invertebrate habitat

9. The south facing slopes of the track will have areas of Thanet sand for solitary ground nesting bees.



Improvements to biodiversity



Native plants to encourage wildlife



Track drains to planted sustainable swale



Green rooves provide inveterate habitat



Wild flower planting on track sides

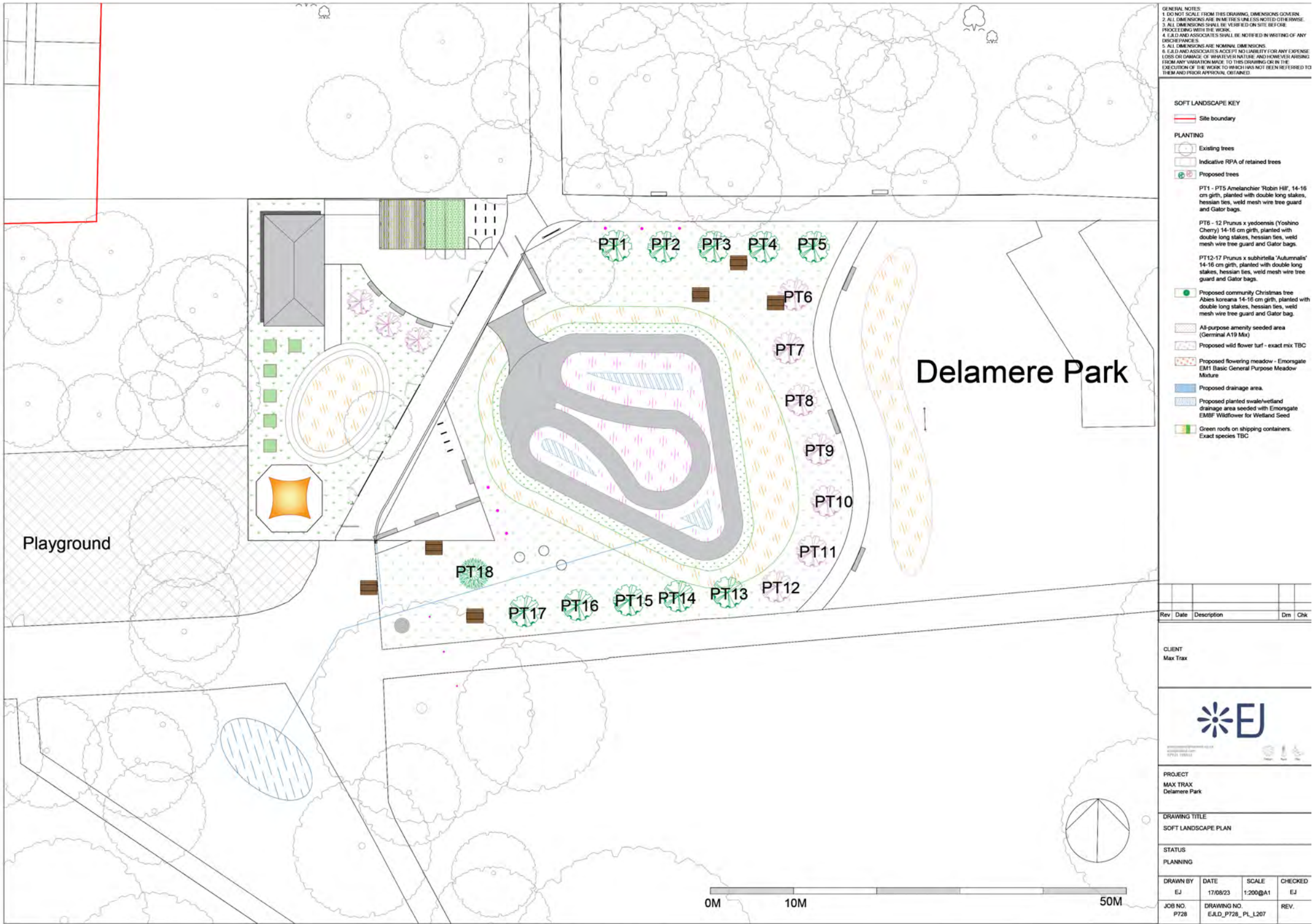


Wild flower meadow



Solitary ground nesting bee

6.11 THE SOFT LANDSCAPE PLAN



6.12 TREE STRATEGY

Tree Palette

Amelanchier arborea 'Robin Hill'

- 5 - 10 m
- Crown: oval, later broader, half-open crown
- Leaf: reverse ovoid to oval, dark green, 3 - 7 cm
- Flowers: clusters, pink in the bud, later white, early April
- Autumn colour: yellow, red

Prunus ×yedoensis

- 6 - 10 m
- Crown: broad vase-shaped, half-open crown, capricious growing
- Leaf: broad oval, green, 6 - 12 cm
- Flowers: white, about 3.5 cm, buds pink, April, fragrant flowers
- Autumn colour: yellow

Prunus ×subhirtella 'Autumnalis'

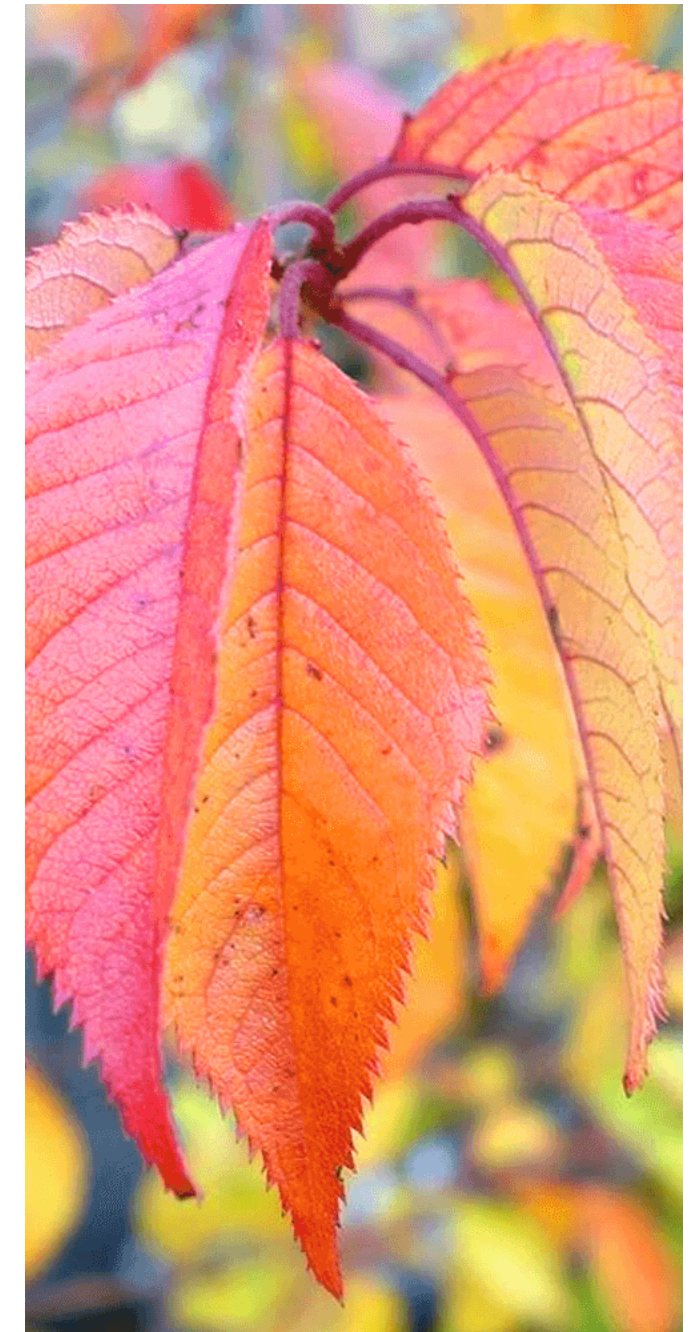
- Height: 6-8 m
- Crown: vase-shaped, half-open crown
- Leaf: green
- Flowers: light pink, flowers in October
- Autumn colour: yellow, orange



Amelanchier arborea 'Robin Hill'



Prunus ×yedoensis



Prunus ×subhirtella 'Autumnalis'

6.13 HARD LANDSCAPE STRATEGY

The hard landscape material palette has been chosen to harmonise with the site character, be attractive, durable and easy to maintain.

It is proposed that the new club areas w are furnished with contemporary concrete furniture which also acts as barriers to protect pedestrians from cycles.

It is proposed that the track and access paths are constructed from tarmac and the club areas are surfaced in resin bound gravel. There are no bins proposed.

Wayfinding flags and track signage, as well as galvanised steel cycle racks are also proposed.

Indicative Hard Materials Palette

1. Accessible picnic benches
2. Concrete seats
3. Asphalt track with thermoplastic markings
4. Self-binding gravel surface
5. Tarmac with luminescent chippings
6. Shipping containers
7. Bike Stands
8. Schwegler 2FN Bat box
9. Track signage
10. Place-making flags



1. Accessible picnic benches



2. Concrete seat



3. Asphalt track with thermoplastic markings



4. Self-binding gravel surface



5. Tarmac with luminescent chippings



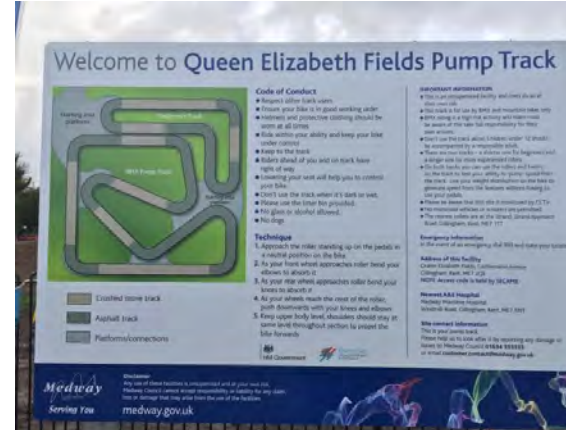
6. Shipping containers



7. Bike stands



8. Schwegler 2FN Bat box



9. Track signage



9. Place making flags