LA602: Design and Community 2 Walton Community Design



By Georgie Templeton

Contents

LA601 Group Designs	P2
LA601 Client Feedback	P3
Design One Development Zoning	P4
Mood Board	P5
Inspiration: Patriot Ridge	P6
Inspiration: Richard Serra	P7
Zone 3 Design Development	P8
Material Analysis	P10
Material Research	P11
Material Palette	P12
Initial Construction Sketches	P13
Construction Drawing A	P16
Construction Drawing B	P19
Additional Design Considerations	P24
Planting Palette	P26
Planting Calendar	P27
Planting Plan	P28
Planting Schedule	P29
Trees	P30
Zone 3 Masterplan	P31
Individual Sheet and Visuals	P32
Group One Sheet	P35
Reflection	P36

LA601 Group Designs

Design One

Design Two

LA601 Client Feedback

After LA601's presentation, we received feedback from the client and community. Overall they were very positive about both designs, their only concerns were based on the safety or misuse of the pond. An existing pond in the town has been misused by teenagers resulting in a lack of confidence in establishing a new water feature and wether it would attract the same kind of attention or treatment.

From this feedback, the design one team has chosen to redevelop the pond area. However the overall zones will remain the same:

- Amphitheatre 1.
- Natural Pond 2.
- Sensory Trail and Natural Play for Children 3.
- Pétanque Court 4.
- Patio area with Café, Shelter and Outdoor Games 5.
- Picnic Area 6.

Design One Development Zoning

Following on from LA601 the client stated that they would prefer both designs to be taken forward and developed in the next module. The masterplan illustrates the initial design which will undergo further development and detailing.

As a group we split up the designs into sections for individual members to detail and improve.

Zone 1

Reimagine the pond area and new entrance to the site.

Sanna R

Zone 3

Amphitheatre, Pétanque Court and sheltered seating.

Georgie T

Mood Board

Inspiration: Patriot Ridge

Cliff Garten Studio - Patriot Ridge

I was inspired by the landscape design for Patriot Ridge, a private office for government contractors, opposite the National Geospatial-Intelligence Agency (NGA) in Springfield, VA.

The design includes a central focal sculpture called the Receptor, in reference to the imagery and mapping through Satellight imagery that is conducted in the NGA.

Enclosing the sculpture are four organic seating and planting beds with low level lighting emphasising the shapes during the night creating a safe and inviting space for visitors and employees.

I would like to implement the use of low level lighting here within my personal design, using the lighting to emphasise the design and ensure safety rather than it being the main focus.

6

Inspiration: Richard Serra

The organic yet structured sculptures by Richard Serra inspired my use of Corten steel. Serra's minimalist artwork dominates the room creating a space to be explored and has undergone immense detailing in order for the structures to stand without needing foundations to hold them.

When applying Serra's work to the Walton Community, using corten steel as the dominant material wouldn't suit the surroundings and would take away from their brief which was to implement a sensory garden. As a result I hope to use corten steel in the details of the design, creating functional and bespoke organic shapes.

Zone 3 Design Development

Building on the design from LA601 I aimed to create a more aesthetic and functional space, a place for the community to gather, play pétanque, socialise and rest within the sensory garden. The following sketches illustrate my design process, creating a functional yet organic space.

Initially I played with the positioning of the pétanque court and how it would relate the contrasting organic space.

Then I focused on how residents would move through the space, trying to create interest and areas for exploration whilst retaining important views from the new entrance and the central sunken plaza. I also considered disabled access so that all residents could spectate games on the pétanque court.

4

8

Before creating the CAD Masterplan I put the new design into the LA601 group design to ensure that it fitted in with the surrounding design and would work spatially.

and ramp regulations.

Material Analysis

Before choosing materials for the redevelopment of the southeastern corner It is important to analyse the existing materials used within the current site and surrounding context to create a cohesive design that fits in with the local character of Walton.

Within Walton the primary materials used within buildings and the surrounding landscape include sandstone and red brick. These warm tones give a sense of comfort or homeliness to the town creating an inviting place and entrance to the existing park.

Material Research

Oltco - Recycle Bound Gravel

CEDEC - Footpath Gravel

A strong alternative to resin bound gravel, composed of recycled straws. The surface is permeable and is compliant as a SUD (Sustainable Urban Drainage) allowing water to drain through small gaps between the gravel. The product also has a high melting point, retaining the pathways structure during heatwayes when other surfaces may melt.

It is also :

- DDA (Disability Discrimination Act) Compliant
- Very low maintenance
- None Slip Surface

CEDEC Gravel has been developed as a naturalistic footpath suitable for pedestrian footfall. The gravel is porous allowing excess water to flow through whilst retaining some moisture due to its reduced clay content.

The gravel is composed of a variety of different graded aggregates, but predominantly granite or quartzite creating a firm and compact surface. To achieve 25% compaction a depth of 50mm depth of gravel is required which is preferable.

CEDEC is also tree ad plat friendly as it doesn't impact surrounding soil ph balance.

11

Material Palette

The rationale of the above materials follows the theme of warm tones that are recognised in the existing site and surrounding context. As a sustainable and permeable alternative, CEDEC Golden Gravel will be utilised along the primary paths to create aesthetically pleasing noises that enhance the sensory experience. The design is harmonious with the surrounding structures and the park's outside walls due to the usage of dry sandstone walls. Sandstone flags will also be utilised to provide stability beneath the pergola and to create a smooth surface for residents to access the pétanque court via secondary walkways. Indian Sandstone complements the other elements and adds vibrancy to the space. The use of teak wood seems a logical choice due to its warmth in colour and durability. Corten steel is an increasing popular material and has potential to reflect the organic shape of the design whilst adding contrasting textures.

Corten Steel

Petangue court Bocce Court hemical anchor Kesin Wational · International pertangue federation specifies for Regional Competitions the court should be a minimum of 3 by 15m . 15m Plan view 14m - considered the standard Size - Geotextile hembrane Bumper Board Laidcore Thin layer ada light oweephole 1 50mm Crushed imestone CF 150 mm Gravel 50 - 0 690 150mm Pea Gravel. Drainage 1.00 -D Straight diagonal concrete foundation CONCIPTO Pipe Founda ticn Or X Compact ed 2000 mm Gravel D Bedding Sand. & Bumper Board Sco mm Compacted Gravel ? tennis court clay washed time stone Coushed lime scone Gravel

Initial Construction Sketches

The following sketches demonstrate my thinking, discussions with lecturers and resolving my constructions.

Pergola to Amphitheatre

Construction 1

The Benches are composed of corten steel

Pétanque Court

Pétanque is a game which is related to boules sports. It can be played as individuals or as a team, where by players aim to score points by rolling balls or knocking your opponents ball away from a target ball, often called a jack. The closer the boule is to the target the higher the score.

The walton council brief spoke of creating space for games. The pétanque court offers an outdoor game space for residents of all ages and could benefit the community by bringing the broad age of occupants together through holding competitions or creating a pétanque club.

The illustration above demonstrates the requirements of the court in terms of competition size and groundcover which I have reproduced in the context of walton park with added aesthetics.

Pétanque Court

After much consideration the Pétanque court is enclosed by a dry sandstone wall and a sandstone paved viewing platform with bespoke corten steel and teak wood benches.

Materials:

Teak Wood 60 x 60mm pinned to Corten

- Limestone paving flags 30mm deep Compacted Sand 25mm deep Concrete support 100 x 2000mm

Construction 6

Construction 6 demonstrates how the sandstone paving flag will sit on top of the dry stone walls which are secured by concrete supports and foundations with steel ties. A weep hole is required to drain excess water from the court. The materials used within the pétanque court have specific requirements and are secured by geotextile membranes.

Construction 7

The other side of the court is enclosed by a retaining wall and is supported by a concrete foundation and compacted gravel.

Materials:

Compacted gravel 200 x 235mm

Compacted Earth

Scale 1:5

23

Additional Design Considerations

Lighting

When conversing with the Walton Councillors lighting was a subject that was brought up, but wasn't one of their main focuses. However with 55% of residents over the age of 65 I thought it was important to consider the safety of the pétanque court and surrounding access points to reduce trip hazards during the evening.

- The park is used by residents during the evenings with the football club practicing after school and work hours.
- Inspired by the use of lighting in Patriot Ridge by Cliff Garten Studio along with the Town Councillors feedback, low level lighting has been implemented to both aesthetically highlight the organic shapes of the design while also reducing trip hazards.

Additional Design Considerations

Planter Edging

When creating the bench planter an issue was raised that if someone were to fall onto the side the sharp edges of the corten steel could cause an injury to someone.
In response to this I created a curved edge and rim to the planter which resultantly would decrease the risk. This also created a more aesthetic finish to the planter and creates a space for the lights to be fitted within the planter.

Planting Palette

The plants selected have been chose based on their suitable growing conditions, colouration, hardiness and benefit to biodiversity and pollinators. There is a mixture of native and non-native species to ensure the sensory garden aspect of the brief is met creating a colourful and aromatic environment.

Astrantia 'Roma'

Berberis thunbergii t 'aurea'

Carex testacea

Cornus sanguinea 'Midwinter Fire'

Echinacea purpurea 'Green Jewel'

Erigeron karvinskianus

Helenium autumnale 'Fuego'

Туре	Name	Width	Height	Soils	Position	Exposure	Hardiness
Herbaceous Perennial	Astrantia 'Roma'	0.5m	0.5m	any, moist but well drained	Full Sun/Partial Shade	I Sun/Partial Shade Sheltered	
Shrub	Berberis thunbergii 'Aurea'	1.5m	lm	any, moist but well drained	Full Sun/Partial Shade	Exposed or Sheltered	H7
Grass	Carex testacea	0.5m	0.5m	any, moist but well drained	Full Sun/Partial Shade	Exposed or Sheltered	H5
Shrub	Cornus sanguinea 'Midwinter Fire'	2m	2m	any, moist but well drained	Full Sun/Partial Shade	Exposed or Sheltered	H6
Herbaceous Perennial	Echinacea purpurea 'Green Jewel'	0.5m	0.7m	loam, clay and sand - well drained	Full Sun/Partial Shade	Exposed or Sheltered	H5
Herbaceous Perennial	Erigeron karvinskianus	lm	0.15m	any, Well drained	Full Sun	Exposed	H5
Herbaceous Perennial	Helenium autumnale 'Fuego'	lm	0.5m	any, moist but well drained	Full Sun	Exposed or Sheltered	H7
Herbaceous Perennial	Nepeta subsessilis	0.5m	0.5m	loam, clay and sand - moist but well drained	Partial Shade	Exposed or Sheltered	H6
Herbaceous Perennial	Salvia nemorosa 'Caradonna'	0.5m	0.5m	loam, clay and sand - moist but well drained	Full Sun/Partial Shade	Exposed or Sheltered	H7

Nepeta subsessilis

Salvia nemorosa 'Caradonna'

Planting Calendar

The planting calendar illustrates the seasonal interest and colour scheme of the selected plants, emphasizing on the warm orange tones along with contrasting purples adding vibrancy.

	Spring	Summer	Autumn
Astrantia 'Roma'			
Berberis thunbergii 'Aurea'			
Carex testacea			
Cornus sanguinea 'Midwinter Fire'			
Echinacea purpurea 'Green Jewel'			
Erigeron karvinskianus			
Helenium autumnale 'Fuego'			
Nepeta subsessilis			
Salvia nemorosa 'Caradonna'	建設和政策		

Winter

Planting Plan

The Planting Plan illustrates where plants would be placed and the spacings between them. Scale 1:20

Planting Schedule

Number	Species	Common Name	Size (Height)	Root	Pot Size	Habit	Spacing	Density
2	Astrantia 'Roma'	Masterwort 'Roma'	500mm	Container	2L	well filled pot	450mm	5m/2
2	Berberis thunbergii 'aurea'	Golden Japanese Barberry	1000mm	Container	5L	well filled pot	500mm	4m/2
3	Carex testacea	Orange New Zealand Sedge	500mm	Container	2L	well filled pot	450mm	5m/2
1	Cornus sanguinea 'Midwinter Fire'	Dogwood 'Midwinter Fire'	2000mm	Container	5L	well filled pot	500mm	4m/2
4	Echinacea purpurea 'Green Jewel'	Purple Coneflower 'Green Jewel'	700mm	Container	3L	well filled pot	500mm	4m/2
2	Erigeron karvinskianus	Mexican Fleabane	150mm	Container	2L	well filled pot	450mm	5m/2
2	Helenium autumnale 'Fuego'	Sneezeweed 'Fuego'	500mm	Container	2L	well filled pot	450mm	5m/2
4	Nepeta subsessilis	Cat Mint	500mm	Container	2L	well filled pot	450mm	5m/2
3	Salvia nemorosa 'Caradonna'	Salvia 'Caradonna'	500mm	Container	2L	well filled pot	450mm	5m/2

Trees

Prunus 'Kursar'

Spring

Summer

Autumn

Winter

Amelanchier lamarckii

Cornus hongkongensis

Currently several trees are positioned around southeastern edge of the site, this includes a Poplar, Pear Tree and Silver Birch. Within my design I aimed to introduce more feature trees with seasonal interest and potentially create a blossom event during the spring where the community can gather together and celebrate the coming of spring.

This idea was inspired by the project Duisburg Nord Landschaftspark in Germany, where the development of the former ironworks designed by Peter Latz introduced a number of cherry trees within one of the courtyards to attract visitors to the site with a blossom event.

Individual Sheet and Visuals

Georgiana Templeton Walton Community Park

In proposed reimageness the original Walton Community Part design, tockang on the detail and usage of the anthe site, enclosed by a registe providing secting for relaxations. To the devide and a Contract Special and usage of the anthe site, enclosed by a registe providing secting for relaxations (or provide the comparison becautiful devided the site) this bench bench to a gathering the contract of the site. The the site. The bench planter directly visitor visitors views forward the Pétenque court, which offers an automating spece near the the site. The bench planter directly visitors views forward the Pétenque court, which offers an automating species near the section of the site o

Aims and Objectives

Masterplan

the ground for tability. In the right, the amphibies construction demonstrates the low which into wolds that create the functed effect composed of dry sanddone wall.

Group One Final Sheet

Zone 2 - Natural Play Area

This section of the design aims to connect the existing play area to the new design. It features earth mounds built from reused onsite materials, with tunnels constructed through them to create an exciting play space for children.

The planted area features a mix of herbaceous, shrub and grass planting which is all child friendly. The slepping stones through this area invites site users to feel immened within the planting.

A smaller arch is connected to the larger Corten steel archways to further connect the space and to create a sense of enclosure as well as framing the colourful planting.

A curved timber bench is fixed to the archways to welcome the site users to relax. and take in their surroundings.

Zone 4 - Patio and Cafe

Shows exploration through soft grasses and shrubbery, with a theme of purple and whites with contrast from the black mondo throughout site. Creating sensory locused zones for all ages winding along each tone.

New carten steel band acting as entrance point to connecting football fields on site. this creates cohesion and a new sense of ndividuality with this hardscape feature Ihroughout site. Also showing outdoor seating with the pergola and roof top hanging plants connecting to the soft flowing grasses on ground level.

Overview of all site showing connectivity with all materials ranging from warm calau palettes to carten features of the site. All ages can happily engage with fun ctivities whilst gaining positive impacts

Reflection

Over the last five weeks the la602 Design and Community has been a stressful yet fun and exciting module. Building on the group work from LA601, the group design received useful feedback and presented further opportunities for exploration. The community responded positively to our designs, with the only major concern being the misuse of the ponds in both design. Resultantly, Design one chose to redevelop the pond as a raingarden.

When approaching my individual design, located in the southeastern corner of the tennis courts, I aimed to create a unique space for residents to gather and relax, whilst offering the opportunity for outdoor play with the pétanque court. Although, I was also concerned that the space should remain integral and compliment the other group members areas of the design. This was a factor that we accomplished as a group, ensuring to constantly update one another on our design process and how the spaces were developing over time. Sanna was the member whom I spoke with the most as our areas are in close proximity, and we wanted to make sure that our redesigns were coherent and worked spatially.

With the communities' brief in mind, I wanted to aesthetically enhance the space and understand materially the character of Walton as to compliment the existing park and surrounding context. By looking at the building materials and park details, there was a common theme of sandstone and red brick evoking warm tones brightening up the town. This influenced my material pallet and conclusions to compliment these pre-existing materials with corten steel, varnished teakwood, golden CEDEC Gravel and indian sandstone. Thankfully my colleagues were in the same mind resulting in a consistent design.

The element of the module I struggled with the most was the construction drawings and understanding how the elements of the design would fit together. Through research I found illustration and descriptions of how my materials and components would be constructed. However, in parallel my design was still developing and factors such as the bench design would change, resulting in different requirements for the construction. In addition to this, different sources would demonstrate opposing methods of completing a construction, making it unclear which method would be the best and most suitable way to achieve the design.

My most memorable part of the module would be gathering the group one designs and collating them onto the final sheet. I was very happy with the outcome and seeing how we had individually reimagined our areas of the design whilst keeping to the community brief. In terms of the sheet design and layout the masterplans and visuals felt well connected and illustrated a unique yet amalgamated design. I believe it illustrated our strengths as a group and that we worked well as a team to produce a well refined and detailed design.

The presentation was also very enjoyable, looking at how both design one and two illustrated different spatial arrangements and details of the park. Whilst also adhering to the brief with the sensory garden, enhancement of play and providing space for the community to gather and socialise, remained integral to both designs.

When receiving feedback from the client afterwards they liked the adaption of the pond to the rain garden in design one, as they still had safety concerns and worried about the potential misuse of the pond. They also liked how we had compartmentalised the designs making it simpler for them to choose which parts of both designs they preferred and imagine how a combination of the two may fit together.

As a whole the progressive journey of both modules, LA601 and LA602 have been a real eye opener to how as landscape architects we can provide a service and understand the wants and needs of a community. Working with the council, community and as a team presented its opportunities and challenges, but most importantly allowed me to gauge an understanding of how people can come together to develop a beautiful space which will hopefully go on to benefit the Walton Community in the future. Additionally, this experience has made me more aware of how crucial it is to collaborate with clients and peers in order to accomplish a common goal—a skill that as landscape architects we will undoubtedly need in the near future.

