Design and Construct Pump Track at Hollylea Reserve Leumeah
CAMPBELLTOWN CITY COUNCIL

T20/17

COMMON GROUND

IDENTITY OF RESPONDENT

Name of Legal Entity	**COMMON GROUND TRAILS PTY LTD**
ACN	**162 352 776**
Place of business	**Unit 14/3 Redondo Avenue Miami QLD 4220**
ABN	**51 162 352 776**
Contact Person	**David Willcox**
Contact Person Position	**Director**
Telephone	**0417 994 366**
Website	**www.commongroundtrails.com**
Email	**info@trails.com.au**

COMMON GROUND

Company Profile

We are Industry Leading Pump Track Experts

Common Ground is Australia's leading pump track design and construction company. We have been designing and building pump tracks since 2013 for a range of government and private clients, for the establishment of recreational facilities that connect people with spaces and landscapes. By fostering a 'common ground' between agencies and enthusiasts we are able to design and develop universally accepted, sustainable and iconic facilities.

Our Beginnings

Common Ground Trails was founded by David Willcox through a desire to influence the emerging pump track sector with the professionalism of the architecture and planning industries from which he originates.

Common Ground Trails has undertaken numerous pump track projects and has become Australia leading expert consultancy and construction company. We have grown and are now working across multiple states but are based in Western Australia, Victoria, Queensland and Canada.

Our Capabilities

The breadth of our capabilities and depth of our technical expertise set us apart from other pump track companies. Common Ground is driven by our shared values and aspirations for the development of exceptional pump track facilities throughout Australia.

We are dedicated to giving our many stakeholders the confidence to trust us to develop economically and environmentally sustainable facilities which complement and enhance the existing landscape.

Our Mission & Impact

- **Develop the best pump tracks**
- **Cause no unnecessary harm**
- **Use trails to conserve and create stewards for the environment**

Introduction

Thank you for allowing Common Ground Trails to provide a quotation for the design and construction of the Pump Track at Hollylea Reserve Leumeah. As the industry leaders in pump track design and construction, Common Ground is proud of our accomplishments in improving the standard, quality and availability of these facilities across Australia.

Common Ground are a Australia Wide company with experience in delivering asphalt pump tracks across all states. We have dedicated pump track teams who have experience working in New South Wales including in more remote locations.

In early 2016, we completed the first asphalt surfaced pump track in Western Australia. Since then we have delivered a further 20 asphalt pump tracks on the ground and countless designs. The demand for asphalt surfaced tracks and our services is rapidly increasing, with many landscape architects and local governments incorporating them into revitalised recreation and parkland areas, and new housing developments.

Both our design and construction teams have maintained an excellent track record of delivering large scale projects on time. In mid 2019 we expanded our design team with industry experienced experts and are now capable of delivering multiple concurrent large scale projects efficiently across Australia.

With our unrivalled experience designing and building Australia's best and most enjoyable asphalt pump tracks, and with our teams experience in landscaping we believe we are ideally suited to achieve the best outcome for the Campbelltown City Council.

We look forward to the potential of working with you to deliver this exciting and important facility, which will be an excellent addition to the area.

Yours sincerely,

David Willcox
Director
Common Ground Trails

COMMON GROUND

Project Understanding

Common Ground understands the significance and importance of this project as part of the overall Hollylea Reserve. It is anticipated that the broader area will provide a range of opportunities and activities for the youth of the surrounding area. The dedicated community also want to see the area developed to its full potential as a pump track facility bringing the associated social benefits to the area.

The project provides the opportunity to transform the area into a successful pump track and play facility offering a range of experiences to different users. The redevelopment will breathe new life into the area, and visitation will increase dramatically as a result.

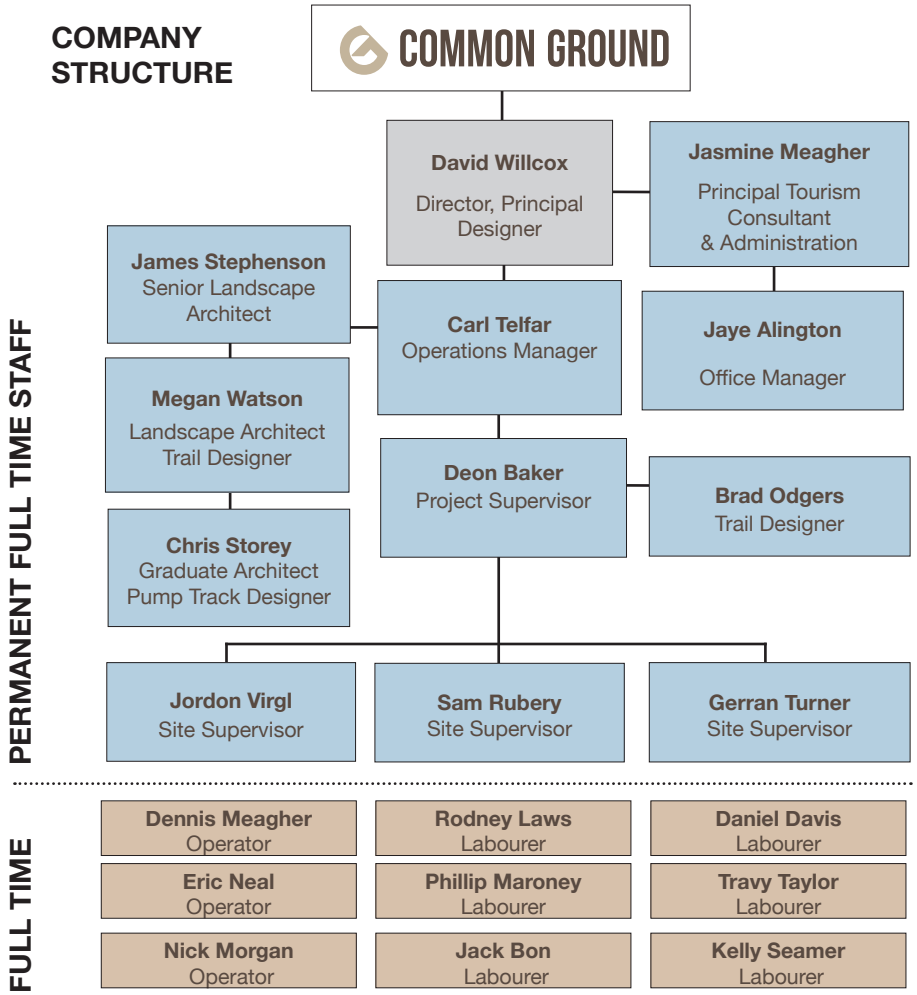
To ensure the Pump Track meets expectations, Common Ground will employ our detailed methodology to develop the site in line with the specification and timeframe requirements. We will present a work plan and timeline with sufficient detail to enable the Principal to understand and monitor the works required through the construction phase.

From our extensive experience working with state and local governments to develop pump tracks and skills facilities, we understand the importance of strong communication to ensure all inspection and hold points are adhered to throughout design and construction. Our proposed approach and methodology detail how we have considered all unique aspects of the project brief and how we plan to undertake the works with the highest levels of efficiency. We have proposed staging of the construction works, in line with hold points, and have provided the details of the resources we intend to use, as well as examples of our experience in providing similar services to a range of other clients.

As part of our proposal, we have set aside suitable dates and times in advance of this assignment to ensure we have the availability to undertake the required activities and keep project deliverables moving.

Common Ground understand the complexity and specific shapes required to ensure the pump track is enjoyed by the demanding user group. We firmly believe we build the most fun and enjoyable pump tracks in Australia. We possess all the equipment, training and specialist staff, who all have years of experience designing and building pump tracks, to deliver this project successfully.

COMPANY STRUCTURE



COMPANY PROFILE

Common Ground is a multi-skilled industry leading pump track development company operating Australia wide - trails experts, designers, engineers, architects, planners, consultants, project managers, trail builders and more...

Common Ground Trails is a leading trail, pump track and play space company. Established in picturesque Margaret River, Western Australia, the firm also has offices and teams based in Victoria, Queensland and Canada.

Since its establishment in 2013, the company has been recognised for its innovative approach within the industry and socially conscious ethos.

Our core values are:

- Employing high performing staff from diverse backgrounds
- Minimising our impact on the environment in all of our operations
- Understanding the values of our customers and providing the right solutions in appropriate locations

Benefits of working with Common Ground Trails

Common Ground offers the following benefits to this project:

- Australias most experienced pump track specialists
- Victorian & Queensland based teams with recent experience in regional Victoria and New South Wales
- Intimate knowledge of working in NSW
- Highly experienced pump track team with prior experience working together and in depth understanding of project requirements
- Previous experience buidling 20 asphalt pump tracks as a team
- Experience in design and construction of challenging and unique urban pump tracks
- Prior experience delivering a pump tracks across Australia
- Strong understanding of the area and existing relationships with local suppliers in neibouring towns from recent work
- Excellent construciton knowledge and understanding of high quality and low maintenance pump tracks and play spaces
- Commitment to delivering exceptional quality product and dedicated to excellence
- Strong financial capcity to undertake project

PROJECT TEAM

COMMON GROUND

To deliver the Pump Track at Hollylea Reserve Leumeah Common Ground have teamed up with trusted partners Gauci Civil Contracting and Radi Electrical. As partners with strong bonds both in business and our personal lives, we are confident in the ability of the combined team and our nominated sub contractors.

Our combined team has unrivalled capacity to deliver an outstanding result for Campbelltown City Council. The expert capability of Common Ground's Pump Tracks, combined with local experience of Gauci Civil Contracting in landscape works and Radi Electrical capability with lighting, will ensure the project delivery is high quality and seamlessly delivered.

Both Gauci Civil Contracting and Radi Electrical operate locally and are familiar with the Hollylea site.

Together we offer a skilled team with national expertise and local capability.

GAUCI CIVIL CONTRACTING

Gauci Civil Contracting is a small dynamic company with large company capabilities within the Civil Construction and landscaping industries. We live by our ethos of providing "a complete civil solution" and have excelled in this over the years which has seen us grow to where we are now by delivering on our promises every time.

The company has great experience and capabilities with pavement construction, drainage, bulk and detail earthworks, structural landscaping and public domain works, and we are always looking to innovate in regards to time and costs savings for our clients and encouraging waste reduction through high usage of recycled products where possible, and the continuous upgrading of our fleet of new fuel efficient machines.

Keeping our business small, allows us to focus on our customers needs, and deliver a high quality service as the owners of the business are the ones completing the works onsite.

The company's core businesses are civil construction, Landscaping and sports ground construction, and drainage.

See attachment for further detail on Gauci Civil Contracting.

RADI ELECTRICAL

Radi Electrical is a family and Australian owned and operated business that came from humble beginnings. In the beginning, much of our work was in residential and industrial sectors.

Over the years our knowledge and expertise grew and so did our level of service – which has grown rapidly in the last 10 years. Our team at Radi now covers all sectors of electrical including; Residential, Commercial, Industrial, Construction, Strata and Property management.

Our team encompasses a variety of skills, knowledge and experience. We approach every job with a positive attitude: Our belief is that if our attitude is great, our work is even better!

As one of the market leaders in electrical services for both domestic and commercial clients, we pride ourselves on the strength of the relationship we have built with our clients over the years. We take the time to understand each client's different needs and provide the best services to suit them. This has allowed us to grow long-term relationships, which in return help us grow. We are focused in leading the way to providing our clients with a 'one-stop shop' for all their electrical, communication, fire and security needs, at the highest level of responsiveness and excellence.

COMMON GROUND

Offered Price

The following is a breakdown of our proposed fee for the project. Please see attached our detailed breakdown of each phase of the project

COMMON GROUND PRICING
Design & Construct Pump Track at Hollylea Reserve Leumeah

Item	Description			Price (Ex GST)
DESIGN ITEMS				
D1	Phase 1: Design Development	1 Item	$ 3,000.00	$ 3,000.00
D2	Phase 2: Final Detailed Design	1 Item	$ 13,500.00	$ 13,500.00
R12.1	Lighting Design	1 Item	$ 2,000.00	$ 2,000.00
			Total Design	**$ 18,500.00**
EARTH RAFT CONSTRUCTION (IF REQUIRED)				
E1	Site establishment of all earthmoving equipment for bulk earthworks	1 Item	$ 2,800.00	$ 2,800.00
E2	Excavate top 200mm of site soil within track footprint and stockpile for reuse in batters	151 M3	$ 42.00	$ 6,342.00
E3	Excavate pump track footprint 800mm depth to 755m2	610 M3	$ 20.00	$ 12,200.00
E4	Stockpile on site, sift out unsuitable material for removal and replace on site in layers as per spec	610 M3	$ 45.00	$ 27,450.00
E5	Allowance for cart and dispose rubbish removed from uncontrolled fill to EPA registered tip site with full tipping dockets and traceability measures assumed to be 15% of material	92 M3	$ 385.00	$ 35,420.00
E6	Import Clean compactible fill (with full certification). place, compact and trim to subgrade levels	610 M3	$ 30.00	$ 18,300.00
E7	Proof roll track footprint subgrade as per specification 755m2	755 M2	$ 2.50	$ 1,887.50
			Total Earth Raft	**$ 104,399.50**
PUMP TRACK CONSTRUCTION ITEMS				
T1	Supply and Construct 560sqm Asphalt Pump Track Including Project Management, Mobilisation, Preliminaries, Site Establishment, Drainage, Sub Base Prep, Base Course, Seal & Asphalting	560 M2	$ 450.00	$ 252,000.00
T2	Supply and Place Kikuyu Turf & underlay	1500 M2	$ 12.00	$ 18,000.00
			Total Pump Track	**$ 270,000.00**
BILL OF QUANTITIES ITEMS				
B1.0	Demolition	Item		$ 9,898.00
B2.0	Hardworks	Item		$ 40,250.00
B3.0	Softworks	Item		$ 25,477.00
B4.0	Furniture and Fixtures	Item		$ 6,825.00
B5.0	Maintenance and Plant Establishment	Item		$ 16,900.00
			Total BOQ Items	**$ 99,350.00**
PROVISIONAL ITEMS				
P1.1	Supply and Install Electrical and Lighting			
	Supply & Install Pits, Conduits, cables EWP	1 Item	$ 40,000.00	$ 40,000.00
	Supply & Erect 8m Pole and bases	8 Item	$ 13,500.00	$ 108,000.00
	Supply and Install lighting fittings	16 Item	$ 1,250.00	$ 20,000.00
P1.2	Supply and Install Stainless Steel Meter Box			$ 20,000.00
			Total Provisional Sums	**$ 188,000.00**
			GRAND TOTAL (EX GST)	**$ 680,249.50**

Why Common Ground

Over the past 7 years Common Ground has been building its capacity, refining its processes and advocating on behalf of high quality pump track and skills park experiences with the purpose of developing iconic, large-scale projects throughout Australia, such as this project. In order to achieve this we have been delivering projects across Australia to gain experience to inform our work and improve our skill sets. This project presents a unique opportunity for us to combine our teams urban design, architecture and landscape architecture skills with our significant pump track and skills park construction experience. Critical to the success of this project will be the integration of drainage and landscaping elements to create a multi faceted facility. The following highlights the competitive advantages Common Ground possesses;

- **We utilise in house professional designers (Architects and Landscape Architects) to design and document our work rather than engineers or unqualified specialists. This ensures only the highest quality design outcomes.**
- **We use engineers to engineer our work, but Landscape Architects to design our work.**
- **We do not outsource our design work to sub consultant landscape architects who 'ride mountain bikes' and only have a broad and limited understanding of pump track activity specifics. Our team live and breathe pump track projects.**
- **We have team members who focus 100% on similar pump track projects and they have unrivalled experience in Australia.**
- We would commit our most experienced and knowledgeable staff to the project
- Our team of pump track experts includes two Architects and three landscape Architects all with enviable experience.
- Common Ground is a full time trails and pump track business with focus only on pump track and trail planning, design and construction projects
- Our company employment diversity policy ensures we are considering and catering for all and bridging the gap
- We employ and empower professional staff with, architecture, landscape architecture, project management, civil construction and landscaping backgrounds
- Our design team consists of expert riders who understand the users needs
- Our design team consists only of members who are university educated
- We are all full time permanent pump track facility professionals and all designers have multiple years experience
- All permanent team members have been involved in the pump track industry long term gaining valuable experience over time
- Staff are trained in pump track facilities with extensive experience in both design and construction
- We welcome input but require minimal supervision into detailed design to get high quality well performing outcomes
- Highly capable of delivering detailed documentation projects to required specifications
- Capacity and resources to deliver large scale projects internally (without outside assistance) within limited timeframe
- Strict processes in place to deliver high quality detailed design to best practice International standards
- Extensive experience in delivering schematic design, design development & tender packages for similar projects
- Responsible for designing and building many of Australia's most popular pump tracks which are sustainable, robust and not management burdens
- Experience in designing for appropriate recreation characteristic settings including primary motivators of experience, challenge and fun
- Experience working interstate and with diverse range of clients and landscapes
- Strategic understanding of pump track facilities required for destination development balanced with understanding of what the local youth and enthusiast user is seeking for fun and challenge
- Track record of delivering contract documentation which leads to robust and sustainable facilities and low management requirements
- Extensive experience working with numerous sub consultants and sub contractors
- Track record of delivering low risk designs which are well documented and communicated and enable successful construction
- Track record of delivering very high quality and well performing pump track facilities
- Passion for fun and challenging bike facilities which cater for youth and enthusiasts
- Proven track record of going above and beyond project commitments to ensure the best outcome for projects

COMMON GROUND

Remote Capability

Common Ground have become industry leaders in mountain bike and challenge park facility planning, design and construction by exposure to and by pursuing and completing projects all over Australia. This was the best way for the team to broaden its knowledge and experience across a diversity of projects, on a broad range of sites and in a broad range of locations within a specialist field. Only by pursuing these projects and gaining exposure Australia wide has Common Ground grown to be able to deliver the high quality design and construction work apparent in completed works today.

Common Ground continues to seek work Australia wide and has become very adept at delivering quality outcomes wherever the project may be located. The systems we use to work on projects across the country have been refined to be very efficient and effective. This includes the digital technology we rely upon daily and the physical location of staff.

Digital Communication

Common Ground is extremely efficient with alternative digital communications to ensure multiple operations can run smoothly in various locations and that targets and standards are met. Common Ground have accounts and utilise the following digital platforms on a daily basis for both internal operations and for communications with clients and other consultants.

- Zoom video and screen sharing communication both internally and externally with clients and other consultants
- Slack for internal project/team messaging
- Limnu digital whiteboard for design review sessions both internally and externally with clients and other consultants
- Smartsheet for tracking of live projects
- Xero for invoicing and staff time management

Staff Location

Common Ground have an office based in Margaret River, WA however the majority of staff are located remotely to provide coverage to other areas of Australia. In locations not listed below Common Ground works to best facilitate the clients expectations of physical presence and/or alternative communications. Staff locations include:

- WA - Perth, Margaret River & Collie
- VIC - Melbourne
- QLD - Gold Coast
- TAS - Hobart
- Canada

Company History

Common Ground have been operating with this ethos since the inception of the company in 2013 and has gained valuable experience in operating very efficiently with staff outside a traditional office and construction compound arrangement. The ability to coordinate very quickly and remain in touch and very organised both internally and with our clients and other consultants is an asset to how we are able to run and respond to project demands. It allows us to be responsive and quick to move for any issue arising or new project in any location Australia wide.

The recent COVID-19 pandemic has shown many companies what we already knew. Our teams can work remotely and it can be beneficial rather than a barrier.

COMMON GROUND

> **Great park with something for all ages. The small track for young kids is great and very popular. The jumps area is also really well laid out with a clearly defined area for beginners, intermediate and advanced riders. My 6yo girl enjoyed the beginners area**
>
> KINGSLEY PUMP TRACK
> Andreas Koepke
> (Google Review)

> **If you are looking for somewhere to take the kids for a skateboard, or to ride their bike and scooters as well as enjoy a play, you'll love Baldivis One71 Pump Track Park. It's not too big so it's easy to keep track of the kids and is lots of fun for the whole family.**
>
> BALDIVIS One71 PUMP TRACK
> (kids-around-perth.com)

> **Our new pump track provides a skills development space for competitive and elite riders in Logan and beyond**
>
> WALLER PARK PUMP TRACK
> CITY OF LOGAN

> **Great mountain bike and BMX dirt jump arena that covers all aspects of training progression**
>
> ST MARKS DIRT JUMPS, BUNBURY
> Corey Wyatt (Google Review)

COMMON GROUND

Qualitative criteria

METHODOLOGY

Health, Safety, Environment & Quality

Safety and Health

Common Ground understands Occupational Safety and Health is an integral part of our business operations, and it is our highest priority. We are committed to providing a safe and healthy work environment for all employees and to prevent all injury and illness so far as is practicable.

Common Ground prepares a project specific safety management plan for every project we undertake. The plan includes the following elements to ensure safe project outcomes:

- Details of the project site and planned construction activities
- Access to all company safety and health policies, and any relevant client or head contractor policies, as well as relevant references to the OSH Regulations
- Roles and responsibilities of on and off-site personnel
- Induction and training requirements
- First aid response procedure, including who is trained in first aid, and requirements for first aid equipment
- Site safety rules
- Site specific risk assessment
- Emergency evacuation procedure
- Communications
- Incident reporting and pre-start checks
- Sanitary facilities

Environment

Common Ground specialises in sustainable trail planning, design and construction. Protection of the surrounding environment is essential for enjoyable nature-based trails and activities. Through applying sustainable principles in trail development, Common Ground takes pride in the quality of our results. We are not afraid to go the extra mile to ensure disturbance is minimised and the visual amenity of the area is improved by the facility.

Sustainable construction techniques will protect environmental values through:

- Minimising erosion through proper drainage
- Avoiding sensitive ecosystems with careful alignment
- Applying standard track widths, minimising disturbance footprint and associated effects
- Keeping users on designated trails by ensuring desirable gradients are maintained
- Creating stewards for the environment
- Reducing fire management risk
-

We have an in-depth understanding of best practice planning, design and construction principles, gained through researching trails world wide, working with the industry's leading experts and continuous improvement in undertaking construction works in Australia.

In line with our Environment policy, Common Ground prepares documented environmental procedures in regard to site specific drainage and erosion control, Phytophthora management, fauna protection, fire prevention, weed control, machinery cleaning and maintenance, and waste management. Site specific environmental plans and procedures are planned carefully in design stages, and implemented on every project.

All machinery is safe, compliant, regularly serviced and fitted with spark arresting devices. We have a strict cleaning policy, and thoroughly clean all plant and equipment before commencing and completing projects, to prevent the spread of weeds or plant diseases between work sites. We keep plant and equipment on the track where possible to avoid disturbance to surrounding flora and fauna. Refuelling of plant and equipment is contained and performed at a safe distance from waterways to prevent spills or contamination.

Quality

Common Ground advocates for use of hard surfaced trails to allow for safe and ease of use for a wide range of visitors, where maintenance requirements are to be minimised, and skilled and competent construction contractors can undertake the work.

We believe that one of the most important stages of construction is the final rehabilitation and clean-up. Attention to detail during the final stages is critical in ensuring a quality product, and Common Ground is committed to achieving this. From past experience, we understand that Contractors are often under pressure to maintain high productivity levels and complete construction works to tight budgets and deadlines. As a result, we have found small but important considerations are often missed, which can undermine the hard work invested in the product. Common Ground's attention to these details is what sets us apart from other trail builders, and we stand by the quality of our finished product. We are committed to ensuring a high standard of finish on every project we undertake.

COMMON GROUND

QUALITY ASSURANCE

Common Ground is committed to a high level of risk management, operational effectiveness and efficiency. As part of Common Ground's regular operations, inductions for all employees and contractors include review and understanding of key documents relating to safety, health, environment and quality. We are developing a quality assurance system that in future will achieve ISO 9001 certification. Project and site specific plans are prepared for all projects undertaken.

Copies of the following documents will be provided upon award of contract.

Document	Type	Contents
Safety and Health Manual	Staff manual	Safety management plan Site specific safety management plan (including emergency evacuation plan) Safety and health policies Safety and health procedures Job safety analyses / safe work method statements Safety training records
Environment management plan	Project specific management plan	Environment management plan Site specific environment management plan (including dieback free zone management) Environmental policies Environmental procedures
Construction management plan	Project specific management plan	Site access plan Vehicle parking, access and egress plan Site security plan Communications protocol
Quality management plan	Project specific management plan	Quality control procedures Inspection schedule
Project management plan	Project specific management plan	Contract administration (Invoicing, claims, cost tracking and forecasting) Change management protocol Document management system

COMMON GROUND

Qualitative criteria

COMPANY CAPACITY

Skills Technical Capacity

Common Ground extensive knowledge and experience in all stages of play spaces and pump track planning, design and construction, in a variety of landscapes, terrain and topography. Below is a summary of our team's capabilities and skills.

The following pages detail some of our recent engagements, which demonstrate our broad skill sets and knowledge base.

Design & Construction

- Team mobilisation throughout Australia
- Site selection and planning
- Integration with new housing developments
- Standalone facilities in public open space
- Natural surfaced tracks
- Asphalt surface tracks
- Modular tracks
- Concrete tracks
- Play Spaces
- Nature Playgrounds
- Playgrounds
- Landscaping
- Storm water Drainage
- Site Preparation
- Material Importation
- Base Course Installation
- Machine & Hand Shaping
- Mechanical Compaction
- Asphalt & Tack Coat Application
- Concreting
- Paving
- Landscape architecture

Trail Construction

- Team mobilisation throughout Australia
- Procurement of materials
- Site supervision
- Safety, Health, Quality and Environment Management Planning
- Subcontractor management
- Construction management
- Hand and machine construction techniques
- Trail head and way marking signage printing and installation
- Vegetation clearing in line with clearing permits and recommendations of environmental impact studies
- Trail bed profiling
- Mechanised compaction
- Drainage management
- Trail surfacing
- Technical trail feature construction
- Stairways and railing systems
- Corridor clearing and finishing
- Naturalisation and demarcation

Trail Planning & Design

- Comprehensive regional master planning
- Review and analysis of opportunities and constraints to develop best case recommendations
- Stakeholder and community consultation
- Workshop facilitation
- Trail concept desgin
- Trail detailed design
- Trail audits
- Trail site selection
-
- Identification of positive and negative control points, interest points and viewsheds
- Understanding of desirable trail characteristics for a range of user types
- Understanding of state, national and international guidelines and sustainable trail design principles
- In field trail mapping including GIS data acquisition
- Desktop map development and documentation
- Landscape architecture
- Report preparation and graphic design
- Development of print, digital and social marketing collateral

COMMON GROUND

Technical Skills and Capabilities

The following pages detail Common Ground's technical skills and capabilities that are fundamental to delivery of our high quality asphalt surfaced pump tracks.

Qualitative criteria

COMPANY CAPACITY

CREATIVE DESIGN

- Extremely talented and creative designers (David Willcox & Deon Baker) with backgrounds in creative industries, architecture, landscaping and film production
- Believe in creating innovative, inclusive rider experiences
- Incorporate features to challenge riders of all abilities in all designs
- Every pump track is a highly attractive showcase product

FUNCTIONAL DESIGN

- While our pump tracks look good, they are based on solid foundations
- Our engineering consultants ensure the drainage systems , structures and surfaces will perform under environmental conditions
- Our designs are documented to the requirements of relevant legislative and client requirements

PASSION FOR RIDING

- All team members are passionate mountain bike and BMX riders
- As a diverse company, we especially understand the value of increasing participation by removing barriers for children and female riders
- Our designers have a true understanding of how a shape leaves the rider with a feeling of flow and accomplishment
- Our builders hand sculpt every berm, roller, feature and jump to achieve the desired feel on the track

PARTICIPANT SAFETY

- Track user safety is paramount
- Good design ensures risks are identified and minimised.
- As a key part of our statutory obligations, our designs minimise risk of key hazards:
  - Interactions between users
  - Buffers on beginner lines
  - Education on advanced lines
  - Surrounding parkland infrastructure & activities
  - Durable hard surface materials

THE RIGHT TEAM

- Our core construction team has delivered numerous pump tracks to date
- We have not had minimal staff turnover in 4 years, and the team continues to carry their collective skills and experience through to the next project
- We encourage an inclusive and proactive work culture

WORK FLOW

- Our work flows as well as our tracks
- With the right people, skills, tools and systems, the result is a positive experience of our services
- Being able to maximise our efficiencies means we can save cost to our clients
- We are dedicated to continual improvement in all aspects of our work flow

COMMON GROUND

Qualitative criteria

EXPERIENCE

Recent Relevant Project Experience

Our staff has gained extensive knowledge and experience in planning and design of pump tracks in a variety of landscapes, terrain and topography. Our extensive work throughout Australia has provided us with the skills required and allowed us to form many excellent working relationships. Below is a list of some of our most relevant recent pump track projects.

PREVIOUS PUMP TRACK ENGAGEMENTS

Project	Type	Client
Tumut Pump Track	Design & Construction	Snowy Valleys Council, NSW
Wangaratta Pump Track	Design & Construction	Rural City of Wangaratta, VIC
Alma Trealor Pump Track & Skate Park	Design & Construction	Cardinia Shire Council, VIC
Dwellingup Asphalt Surfaced Pump Track	Construction	Shire of Murray, WA
Hammon Park Asphalt Pump Track	Design & Construction	Hepburn Shire Council, VIC
Waller Park Asphalt Surfaced BMX Pump Track	Design & Construction	City of Logan, QLD
Tudor Park Pump Track and Skills Park	Design & Construction	City of Logan, QLD
Chapman River Asphalt Pump Track, Jumps Track and Skills Track	Design & Construction	City of Greater Geraldton, WA
Baldivis One71 Asphalt Surfaced Pump Track	Design & Construction	Emerge, Mirvac, WA
Calleya Asphalt Surfaced Pump Track	Design & Construction	Emerge, Landscape Elements, WA
Madox Asphalt Surfaced Pump Track	Design & Construction	Emerge, Mirvac, WA
Kingsley Asphalt Surfaced Pump Track and Jumps Track	Design, Construction & Maintenance	City of Joondalup, WA
Saint Marks Naturally Surfaced Jumps Track	Design & Construction	City of Bunbury, WA
South Lake Naturally Surfaced Pump Track	Design & Constrcution	City of Cockburn, WA
Jindowie Naturally Surfaced Pump Track	Design, Construction & Maintenance	EPCAD, Landscape Elements, WA
Nedlands Naturally Surfaced Pump Track	Design, Construction & Maintenance	City of Nedlands, WA
Halls Creek Pump Track	Feasibility Study & Business Case	Shire of Halls Creek, WA
Dianella Reserve Pump Track	Feasibility Study & Community Consultation	City of Stirling, WA
John Dunn Pump Track	Feasibility Study & Community Consultation	City of Armadale, WA
Dwellingup Pump Track	Detailed Design, Concept Design & Community Consultation	Shire of Murray, WA
Nannup Pump Track	Design Review	Shire of Nannup, WA
Albany Asphalt Surfaced Pump Track	Concept Design & Community Consultation	City of Albany, WA
Goat Farm Skills Park and Pump Track	Concept Design	Parks and Wildlife WA
Golden Bay Asphalt Surfaced Pump Track	Concept Design	EPCAD, WA
Tom Price Asphalt Surfaced Pump Track	Feasibility Study & Concept Design	Pilbara Regional Council, WA
Broome Pump Track	Concept Design, Detailed Design	Shire of Broome, WA

COMMON GROUND

Qualitative criteria

EXPERIENCE

DWELLINGUP

Australias Largest Pump Track

Dwellingup
Western Australia

LOCATION
Dwellingup WA

YEAR
2019

YEAR
2019

VALUE
$300k

TOTAL RIDE SURFACE
1050sqm

CLASSIFICATION
Easy - Difficult

USER GROUP
Mountain Bike
BMX
Scooter, Skateboard

EQUIPMENT
Excavators
Mini Skid Steer
Skid Steer

CONSTRUCTION TYPES
Pump track - Road base and asphalt surface

TEAM
David Willcox, Deon Baker, Jordon Virgl, Gerran Turner, Megan Watson

PROJECT DESCRIPTION
Construction of Australias Largest asphalt surfaced pump track as part of the Dwellingup mountain bike destination development. Working in conjunction with the Shire of Murray, the track was designed to blend into the landscape and transform the previously dilapidated area. The track is located adjacent to a skate park and trails hub and required significant consideration of visitor flow and integration. The pump track totals approximately 1050sqm. Common Ground undertook works including track design, construction and drainage.

KEY OUTCOMES
Huge community focused facility connected to skate park. Low maintenance, innovative pump track design was key for this track which has beginner, intermediate and Advanced sections. The result is the biggest asphalt pump track in Australia. In order to meet extremely tight drainage requirements and flood levels Common Ground was required to design and construct a complex connected storm water system with 50mm tolerance over 100m. Installation of large concrete culverts, wells and head walls required absolute precision. Watching the testing of drainage work successful was a highlight of construction for staff.

In order to allow the federal minister to open the pump track prior to easter, 2 weeks prior to agreed contract completion date, our team had to accelerate works which required sourcing additional casual labourers and working 12 hour shifts for 3 weeks. Due to excellent project and site management completion was 1 week ahead of the revised timeline, taking 8 weeks to build a 1050sqm asphalt pump track, with 3 weeks of site clearing, demolition and drainage works

NOTABLE FEATURES
- Largest Pump Track in Australia and connected to Skate Park
- 3000sqm of turf and landscaping installed
- The pump track design is based around multiple areas for different capabilities and includes a separate kids track

LESSONS LEARNT
Designing and working around heritage tress was problematic especially replacing large 600mm concrete culverts requiring installation near to root systems. In future design we will be sure to enusre redesign any existing drainage to avoid compounding issues.

Multiple historic and active services crossed the site in all different directions interrupting drainage. While designed for, all services ended up being hand excavated and repositioned surrounding drainage to allow correct drainage levels.

The track design incorporates two large table top jumps which come close to power lines due to a leaning power pole. Safety corrals needed up being installed to ensure users were kept away from active lines.

COMMON GROUND

Qualitative criteria

EXPERIENCE

TUMUT

Pump Track

Tumut
New South Wales

LOCATION
Tumut, NSW

YEAR
2019

YEAR

VALUE
$280k

TOTAL RIDE SURFACE
600sqm

CLASSIFICATION
Easy - Difficult

USER GROUP
Mountain Bike
BMX
Scooter, Skateboard

EQUIPMENT
Excavators
Mini Skid Steer
Skid Steer

CONSTRUCTION TYPES
Pump track - Road base and asphalt surface

TEAM
David Willcox, Deon Baker, Jordon Virgl, Gerran Turner, Megan Watson, Sam Rubery

PROJECT DESCRIPTION
Design and construction of Australias newest asphalt surfaced pump track. Working in conjunction with the Snowy Valleys Council, the track was designed to blend into the landscape and link to existing recreation faciltiies in the area. The track is located adjacent to a skate park and totals approximately 600sqm. Common Ground undertook works including track design, construction drainage and landscape preparation.

KEY OUTCOMES
Huge community focused facility connected to skate park. Low maintenance, innovative pump track design was key for this track which has beginner, intermediate and Advanced sections. The result is one of the best asphalt pump tracks in Australia. In order to meet extremely tight surrounding existing tress to be retained, Common Ground was required to design and construct track that weaved through the trees and included complex connected storm water system. Successful retention of all the trees on site and not impacting on the tree protection zones was a highlight outcome of the project.

Due to initial delays in the design the our construciton team had to accelerate works which required sourcing additional casual labourers and working long shifts and weekends in order to deliver the project on schedule. Due to excellent project and site management completion was ahead of the revised project timeline.

NOTABLE FEATURES
- Largest Pump Track in Australia and connected to Skate Park
- 1500sqm of turf and landscaping installed
- The pump track design is based around multiple areas for different capabilities and includes a separate kids track

LESSONS LEARNT
Designing and working around high value tress was problematic especially when installing large drainage system near roots to trees. Managing costs in regional New South Wales also required considerable management of resources. This was managed by utilising site won materials for the sub base buildup.

COMMON GROUND

Qualitative criteria

EXPERIENCE

HAMMON PARK

The Gateway to the Creswick Trail Network

Creswick
Victoria

LOCATION
Hammon Park
Creswick

YEAR
2020

CLASSIFICATION
Easy - Difficult

USER GROUP
Mountain Bike
BMX
Scooter, Skateboard, community groups, events

FACILITY TYPES
Pump track, jumps, learn to ride track, skills area, trial area, open space, parking, trail hub and facilities planning

TEAM
David Willcox, James Stephenson, Megan Watson, Deon Baker

PROJECT DESCRIPTION
Creswick ambitions to develop into a mountain biking hub continued with the development of the pump track and detail design progressing for a 100km trail network Common Ground were engaged to undertake the masterplanning of the remainder of Hammon Park to create a vibrant challenge park and trail hub while still being a utilisable facility for a broad range of community activities.

KEY OUTCOMES
The masterplan outcomes addressed the site connection from a broad scale to the town of Creswick. Bike facilities are included in a logical layout where physical aspects of the site are taken advantage where possible. The bike facilities include the already constructed pump track, a set of jump lines to cater for beginner to advanced riders, a skills area, a learn to ride track and a trial riding area. This has been integrated with a dual use network to provide clear access through the site. Signage and materiality has been suggested as the main methods to demostrate pedestrian and cycle sharing. Community assets have also been incorporated including natureplay and retention of a portion of the existing oval for informal play and gatherings.

NOTABLE FEATURES
- A broad range of facilities have been included and will appeal to a very broad audience whether that be bike related or not. This will be an active spot.
- Integration of event layouts have been thought through including a 100m finish straight for bike events and layouts for community events like outdoor cinema and farmers markets
- Parking has been addressed in conjunction with the primary trail hub and entry to the broader 100km trail network

COMMON GROUND

Qualitative criteria

EXPERIENCE

HAMMON PARK

Victoria's First Asphalt Pump Track

Creswick Victoria

LOCATION
Hammon Park
Creswick

YEAR
2019

YEAR
2017

VALUE
$200k

TOTAL RIDE SURFACE
450sqm

CLASSIFICATION
Easy - Difficult

USER GROUP
Mountain Bike
BMX
Scooter, Skateboard

EQUIPMENT
Excavators
Mini Skid Steer
Skid Steer

CONSTRUCTION TYPES
Pump track - Road base and asphalt surface

TEAM
David Willcox, Deon Baker, Jordon Virgl, Gerran Turner, Louise Fox, Megan Watson

PROJECT DESCRIPTION
Common Ground undertook the design and construction of an asphalt surfaced pump as part of the Creswick mountain bike destination development. Working in conjunction with the Hepburn Shire Council, the track was designed to blend into the landscape and transform the previously dilapidated oval. The track is located adjacent to a major creek line and was within flood zones and required a well considered drainage design. The pump track totals approximately 450m. Common Ground undertook all works including track design, construction, landscaping, reticulation and drainage. Works included the significant swale drain which discharges the entire oval to the nearby creek via a retention basin.

KEY OUTCOMES
Low maintenance, innovative pump track design was key for this track. The result was the first asphalt pump track in Victoria. Successfully designed to cater for all wheeled sports, the track has multiple transfer lines to cater from beginner through to expert riders. The asphalt surfaced pump track caters for bikes as well as skateboards and scooters. In order to meet drainage requirements and flood levels Common Ground was required to design and construct a large swale drain and connected stormwater system. Common Ground designed and The track integrates seamlessly into the landscape, and provides a variety of options for all users.

NOTABLE FEATURES
- Pump track is a component of a grander overall site masterplan which has multiple mountain bike elements with the pump track at the centre of the design.
- Utilisation of natural materials such as spotted gum timber bollards and large rocks to soften the landscape and provide a deterrent to illegal access
- The pump track design is based around multiple berms and is a fast tight track with multiple transfer lines.

LESSONS LEARNT
The original masterplan undertaken by others had not considered site drainage requirements or finished level of the pump track. Common Ground recommended lifting the pump track above flood levels and draining the entire historic oval site trough a central landscaped swale drain. The resulting connected storm water system drains into the large swale ensuring little potential for site flooding and damage to the track.

COMMON GROUND

Qualitative criteria

EXPERIENCE

MADOX

The Small Site Beginner Asphalt Bowl Pump Track

Madox Estate
Western Australia

LOCATION
Piara Waters, Western Australia

YEAR
2018

TOTAL RIDE SURFACE
200sqm

CLASSIFICATION
Easy

USER GROUP
BMX & MTB

EQUIPMENT
3.5T Excavators
Tracked Skid Steer
1.5T Padfoot Roller

LEAD CONTRACTOR
Common Ground Trails

TEAM
David Willcox, Deon Baker, Gerran Turner, Jordon Virgl, Alex Jaeger, Louise Fox

CONSTRUCTION TYPES
Asphalt surfaced over road base

PROJECT DESCRIPTION
Common Ground undertook the design and construction of asphalt surfaced pump bowl as part of public open space in the new Madox residential development.

KEY OUTCOMES
The design was based on a series of bowls allowing beginners to get an introduction into shallow bowl riding. Constructed over a period of 2 weeks, the small track fits into a very tight site and shows the ability to develop pump tracks in all kinds of locations. While the pump track will appeal to beginners, it is also designed to keep experienced riders interested with multiple lines and transfer options.

The track was constructed with recycled concrete road base and red oxide ashaplt.

CHALLENGES & LESSONS LEARNT
The asphalt was installed on this pump track following the previous installation of the surrounding features and concrete. Throughout construction, the team were required to be extremely careful not to damage surrounding completed works. Due to the sandy soil profile, soakwells were initially installed. Subsequently, they failed due to significant dewatering on an adjacent site. A pump station was installed to reduce the water level while dewatering occurred, which has been left in place to compensate in future peak events. All bowls with no over path drainage will now be installed with a connected stormwater system.

COMMON GROUND

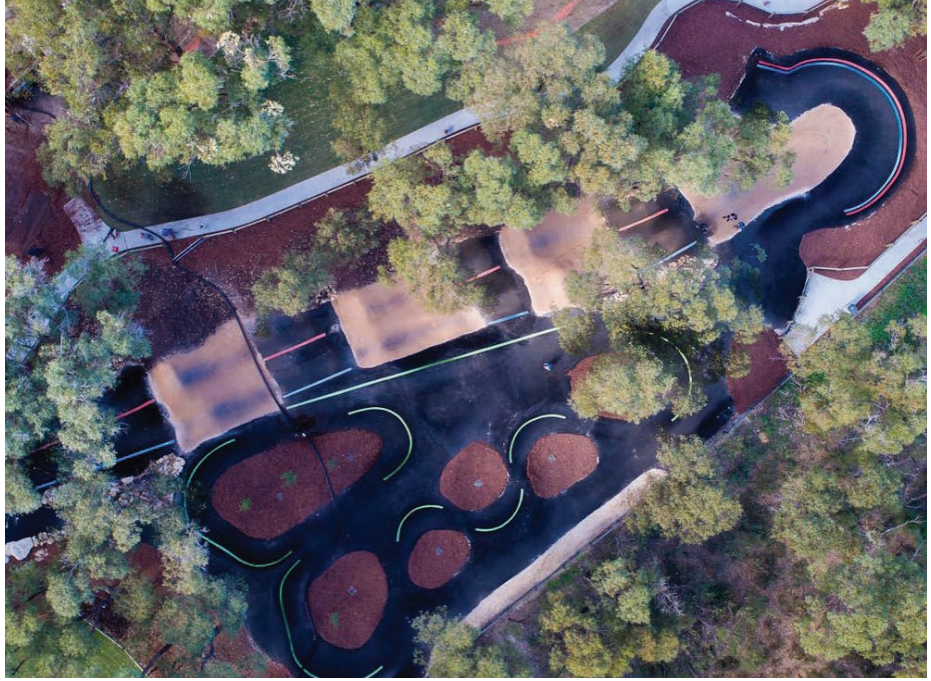
Qualitative criteria

EXPERIENCE

KINGSLEY

Pump Track and Jump Track Integration

Kingsley
Western Australia



LOCATION
Shepherd's Bush Reserve, Kingsley

YEAR
2017

TOTAL RIDE SURFACE
1000sqm

CLASSIFICATION
Easy - Difficult

USER GROUP
Mountain Bike
BMX
Scooter, Skateboard

EQUIPMENT
Mini Excavators
Mini Skid Steer
Skid Steer

CONSTRUCTION TYPES
Pump track - Road base and asphalt surface
Dirt jumps - Asphalt lips and clay landings

TEAM
David Willcox, Carl Fox, Deon Baker, Gerran Turner, Louise Fox, Chris Idle

PROJECT DESCRIPTION
Common Ground undertook the design and construction of an asphalt surfaced pump and jump track as the long-awaited upgrade to the dilapidated historical community built BMX jumps in Shepherd's Bush Reserve. Working in conjunction with the City of Joondalup Youth Services team, the track was designed to cater for progression from beginner to advanced level riders. The track is located adjacent to a children's cycle safety track, from which young riders will be able to progress. The pump track totals approximately 500m in a 90m x 50m area.

KEY OUTCOMES
Low maintenance, innovative dirt jump design was key for this track. The result was the first asphalt-lipped, clay-landing jumps track in Australia. Designed to cater for mountain bike, BMX and dirt jump bikes, the two lines cater from beginner through to expert riders. The pump and jump track is the most popular track in WA, receiving extremely high visitation. The asphalt surfaced pump track caters for bikes as well as skateboards and scooters. Painted lines guide beginner, intermediate and advanced riders on track. The combined tracks integrate seamlessly, and provide a variety of options for all users.

NOTABLE FEATURES
- The use of green, blue and red painted demarcation lines enables users to safely navigate to the lines suitable for their skill level.
- The compacted limestone road base formed a solid, hard structure to support a strong and smooth asphalt surface.
- Landscaped rock walls were built up to protect large trees, which were an integral feature of the track. The limestone rock provided a natural feel to integrate with the parkland and adjacent bush forever site.
- Track design was considerate of the many other park users, ensuring separation between the existing playgrounds, children's cycle safety track, and walking paths around the park. Local government planning and community engagement processes were undertaken to minimise conflict and prevent opposition to the project. Feedback was incorporated into the design, resulting in several design iterations and impact on the project schedule. However, the result was a robust design and aa varied and exciting integrated pump and jump track.

LESSONS LEARNT
The original budget and design only allowed for a natural surface pump track. Through successful negotiation, it was decided to extend the budget to include asphalt surface, to signifcnatly reduce the ongoing maintenance requirements. The City of Joondalup engaged the services of a civil contractor to assist Common Ground in laying Asphalt. The civil team had no experience at hand laying and the first day's results were terrible. On our advice, the city engaged a more experienced contractor who delivered fantastic results. We have since upskilled our team and purchased all the necessary equipment to carry out the asphalting of pump tracks ourselves.

COMMON GROUND

Qualitative criteria

EXPERIENCE

ALBANY

Albany Youth Challenge Park

Albany
Western Australia

LOCATION
Centenial Park
Albany

YEAR
2019 - 2020

TOTAL RIDE SURFACE
900sqm

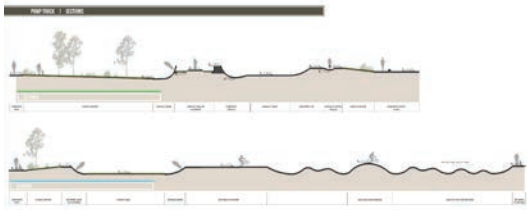
CLASSIFICATION
Easy - Difficult

USER GROUP
Mountain Bike
BMX
Scooter, Skateboard

EQUIPMENT
Excavators
Mini Skid Steer
Skid Steer

CONSTRUCTION TYPES
Pump track - Road base and asphalt surface with timber and steel features
Jump Lines - Dirt jumps with timber and steel features

TEAM
David Willcox, James Stephenson, Megan Watson and Chris Storey



PROJECT DESCRIPTION
Common Ground is undertaking the design of an asphalt surfaced pump and jump park as part of the Albany Youth Challenge Park development. Design works are set for completion in July with construction completion during summer 2020/2021. Working in conjunction with the City of Albany, the pump track and jump park have been designed to tie into the adjacent features, facilities and landscape design of the site and are shapping up to be a valuable urban park for the community and as a precident for urban bike parks in Australia.

PUMP TRACK KEY DESIGN OUTCOMES
- The pump track is semi-connected to both the skate plaza and jump park and allows for flow through to either adjacent facility
- The asphalt material of the surface is of low maintenance
- It is designed to cater for all wheeled sports
- The track has a designated beginner loop as well as multiple transfer lines to cater from beginner through to expert riders.
- The asphalt surfaced pump track caters for bikes as well as skateboards and scooters.
- The drainage design is being developed to accomodate the high ground water and seasonal rainfall through a combination of pits and pipes, amended soils and subsurface drainage
- The design offers a good balance of cut to fill ratios

JUMP PARK KEY DESIGN OUTCOMES
- Variety of jump types and features to cater for beginners through to experts
- Coordiantion with commuity volunteer group for the shaping and maintenance of the bmx style dirt jumps
- Providing the local mountain bike club with a hub at the head of the jump park utilising the shipping containers proposed for club activity and storage

LESSONS LEARNT
Thus far it is apparent that both the pump track and jump park outcomes have had desireable outcomes which was ensured by having Common Ground involved from the outset of the project. The initial spatial arrangment of the site accomodates the size and shapes of space set aside for both the pump track and jump park to allow economic and exciting outcomes.

COMMON GROUND

Qualitative criteria

EXPERIENCE

WALLER PARK

Side by Side Race Track Asphalt Pump Track

Waller Park
Queensland

LOCATION
Waller Park, City of Logan, Queensland

YEAR
2017

VALUE
$155k

TOTAL RIDE SURFACE
550sqm

CLASSIFICATION
Easy - Difficult

USER GROUP
BMX

EQUIPMENT
3.5T Excavators
Tracked Skid Steer
1.5T Padfoot Roller

LEAD CONTRACTOR
Trailscapes
Common Ground Trails
subcontracted

TEAM
David Willcox, Carl Fox, Deon Baker, Gerran Turner, Louise Fox, Adam O'Rourke

CONSTRUCTION TYPES
Asphalt surfaced over road base

PROJECT DESCRIPTION
Common Ground undertook the design and construction of an asphalt surfaced pump track as part of a larger upgrade to the Centenary Plains BMX Club in the City of Logan, Queensland.

KEY OUTCOMES
The pump track design is based on a "mirrored" double track, allowing head to head style racing. It is the first asphalt surfaced pump track to be built in Brisbane, after five years of planning by the BMX Club and Local Government. Constructed in record timing of just four weeks, construction techniques involved the use of larger scale machinery. Built to cater for BMX racing and training, the track has a large number of features and transfers. It will also cater for other users, such as scooters and skateboards.

The fine mix asphalt produces a smooth consistent surface, with lower rolling resistance than natural surface, and will provide an excellent training group for the aspiring junior riders in the Centenary Plains BMX Club.

CHALLENGES & LESSONS LEARNT
The facility is located in a rehabilitated landfill refuse site. Geotechnical information provided by the client contained some inaccuracies, which led to some complications during construction. When excavations revealed refuse at a shallower depth than expected, our engineering team was able to respond quickly and provided a suitable rehabilitation solution to continue operations with minimal delay. All stages of construction were overseen by a Registerd Civil Engineer, and the structure was certified on completion.

NOTABLE FEATURES
The landscaping within the track area involved installation of turf and drainage features. The result was an attractive and vibrant space that the Club can take pride in.

COMMON GROUND

Qualitative criteria

EXPERIENCE

ONE71

Beginner Pump Park Pump Track

Baldivis One71
Western Australia

LOCATION
Baldivis One71 Residential Estate

YEAR
2016

TOTAL RIDE SURFACE
300 sqm

CLASSIFICATION
Easy - Moderate

USER GROUP
Mountain Bike

EQUIPMENT
Mini Excavators
Mini Skid Steer
Skid Steer

LEAD CONTRACTOR
Horizon West
Common Ground Trails subcontracted

TEAM
David Willcox, Carl Fox, Deon Baker, Gerran Turner, Tom McTurk, Louise Fox, Chris Idle

CONSTRUCTION TYPES
Lifted - Imported Material, asphalt surfacing, in-built drainage

PROJECT DESCRIPTION
Common Ground undertook the design and construction of an asphalt surfaced pump track as a key aspect of a family oriented recreational precinct and playground within the residential estate, Balidvis One71.

KEY OUTCOMES
Expert pump track design ensured the track would appeal to the full range of mountain bikes, from balance bikes, through to BMX and dirt jump bikes. The pump track is a unique development in the area and it receives high levels of visitation from a range of users of all ages and abilities, including mountain bikes, BMX, skateboards and scooters. It caters for beginner and intermediate tracks, totalling approximately 200m of track in a 35m x 35m area.

Asphalt surfacing was selected for its many advantages, including a crisp, clean finish that complements the brand new residential estate. The asphalt also has superior durability, low maintenance requirement and appeals to a wider user base. The fine mix asphalt produces a smooth consistent surface, with lower rolling resistance than natural surface, and is suitable for road bikes, skates, skateboards and scooters.

CHALLENGES & LESSONS LEARNT
While the facility was intended for bike users, it has been extremely popular with scooter and skateboards users. The surface is designed to withstand the impact of the smaller wheels, and wear is not an issue. The user groups and the culture of pump track users generally self regulates behaviours and reduces conflicts, and sharing these facilities between user groups generally generates positive interactions within the area. However, if the facility continues to increase in popularity, a review of the demand may identify the need for additional separate facilities to cater for exclusive use by particular groups.

NOTABLE FEATURES
The construction of the Baldivis One71 pump track involved the use of a civil head contractor for the bulk earthworks, as a cost saving mechanism. Common Ground prepared detailed drawings with adequate details to allow the Contractor to proceed independently for the initial works. We provided supervision of all works, and performed final hand shaping. The process expedited the completion of the pump track in a very short timeframe.

COMMON GROUND

Qualitative criteria

EXPERIENCE

CALLEYA

Long Roller Straight Asphalt Pump Track

Calleya
Western Australia

LOCATION
Calleya Residential Estate

YEAR
2017

VALUE
$145k

SCALE
550sqm

CLASSIFICATION
Easy - Moderate

USER GROUP
Mountain Bike

EQUIPMENT
Excavators
Mini Skid Steer
Skid Steer

LEAD CONTRACTOR
Common Ground Trails

TEAM
David Willcox, Carl Fox, Deon Baker, Gerran Turner, Louise Fox, Chris Idle

CONSTRUCTION TYPES
Lifted - Imported Material, asphalt surfacing, in-built drainage

PROJECT DESCRIPTION
Common Ground undertook the design and construction of a 550sqm asphalt surfaced pump track as a key aspect of a family oriented recreational precinct and playground within the Calleya residential estate.

KEY OUTCOMES
This 550sqm pump track was designed to be the central piece of a larger recreation precinct. By incorporating multiple transitions lines the design ensured the track would appeal to the full range of mountain bikes, from balance bikes, through to BMX and dirt jump bikes. The pump track is a unique development in the area and it receives high levels of visitation from a range of users of all ages and abilities, including mountain bikes, BMX, skateboards and scooters.

Asphalt surfacing was selected for its many advantages, including a crisp, clean finish that complements the brand new residential estate. The asphalt also has superior durability, low maintenance requirement and appeals to a wider user base. The fine mix asphalt produces a smooth consistent surface, with lower rolling resistance than natural surface, and is suitable for road bikes, skates, skateboards and scooters.

CHALLENGES & LESSONS LEARNT
The asphalt installation was carried out by a subcontractor who damaged surrounding works and had a poor quality finish. Due to the complexity of shapes on the pump track, this had been an ongoing issue. We have since upskilled our team and purchased all the necessary equipment to carry out the asphalting of pump tracks ourselves.

COMMON GROUND

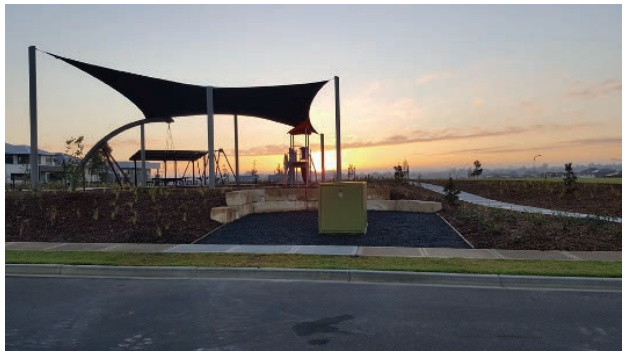
Qualitative criteria

EXPERIENCE

Local Landscape & Civil Works Experience

The following projects demonstrate Gauci Civil Contracting's capability to deliver high quality landscape and civil works. Gauci Civil Contracting have completed a range of Playgrounds, Parks, Ovals and Civil projects for surrounding local governments and have the capacity to successfully deliver the landscaping and civil components of this project. Additional detail can be found in the attachments.

GAUCI CIVIL CONTRACTING



HALF PENNY RESERVE

The Hills Shire

Dec 17/April 2018
Contact: Scott Sidhom
Value: $350k

Construction of a new council playground including over 5000m2 concrete paths, basketball court, coloured concrete cycleway, BBQ Shelter and seating, play equipment, shade structure, landscaping, Sandstone Staircase, bulk earthworks cut-fill, sandstone Block wall placement

GORMON AVE RESERVE

The Hills Shire

Dec 17/April 2018
Contact: Ally Gates
Value: $450k

Construction of a new council playground over 10'000m2 including concrete paths, basketball court, coloured concrete cycleway, BBQ Shelter and seating, play equipment, shade structure, landscaping, planting,, bulk earthworks cut-fill, sandstone block placement

SCONE PUBIC SCHOOL SCHOOL

Sportsfield upgrade, synthetic surfacing and playground installation

Contact: Jodie Lawrance School Infrastructure NSW
Value: $500k

Capping of asbestos In ground material with 150mm of roadbase and synthetic grass surface for 4500m2. Supply and install soccer field, running track and large playground.

COMMON GROUND

Key Personnel - Management & Design Personnel

Qualitative criteria

COMPANY CAPACITY

Common Ground has a strong pump track design team that has delivered numerous pump track projects throughout the country. Common Ground design staff have been instrumental in the establishment of Australian Leading pump track documentation, which is based on principles used in the architecture, landscape architecture and engineering industries. Through clear and consistent design documentation, pump track designs can be handed over to the construction team to implement.

DAVID WILLCOX
FOUNDING DIRECTOR
LEAD DESIGNER

Key Skills & Experience
David is a trail and bike facility expert with experience across the planning, architecture and trail building industries spanning over 20 years. David has unrivaled experience in design of pump track and jump track faciltiies across Australia, and will oversee all aspects of project delivery to ensure the highest quality outcomes. He will be the direct client contact and decision maker and will delegate project deliverables to the capable team.

JAMES STEPHENSON
SENIOR LANDSCAPE ARCHITECT

Key Skills & Experience
James has recently joined the Common Ground team. James provides a depth of landscape knowledge and design nous with 13 years of industry experience. He provides strong conceptual design work, detail design and documentation. James's experience in working with construction teams ensures quality consrutucted outcomes are acheived. He will be responsible for the day to day running of the project and will work closely with David and the team.

MEGAN WATSON
LANDSCAPE ARCHITECT
TRAIL DESIGNER

Key Skills & Experience
Megan is an experienced Landscape Architect professional with significant expereince in multi purpose facilitiy design. She will support detailed facility designers in coordinating and presenting schematic designs. Megan also generally prepares all graphic content for attractive presentation and marketing materials.

DEON BAKER
TRAIL DESIGNER

Key Skills & Experience
Deon is one of Australia's leading trail builders and designers. He will be assist the landscape architects with rider specific knowledge for the jump tracks and pump track. He has an eye for desired technical features users seek, and has applied this to shaping the various faciltiies and trail networks constructed by Common Ground Trails.

CHRIS STOREY
GRADUATE ARCHITECT
JUNIOR DESIGNER

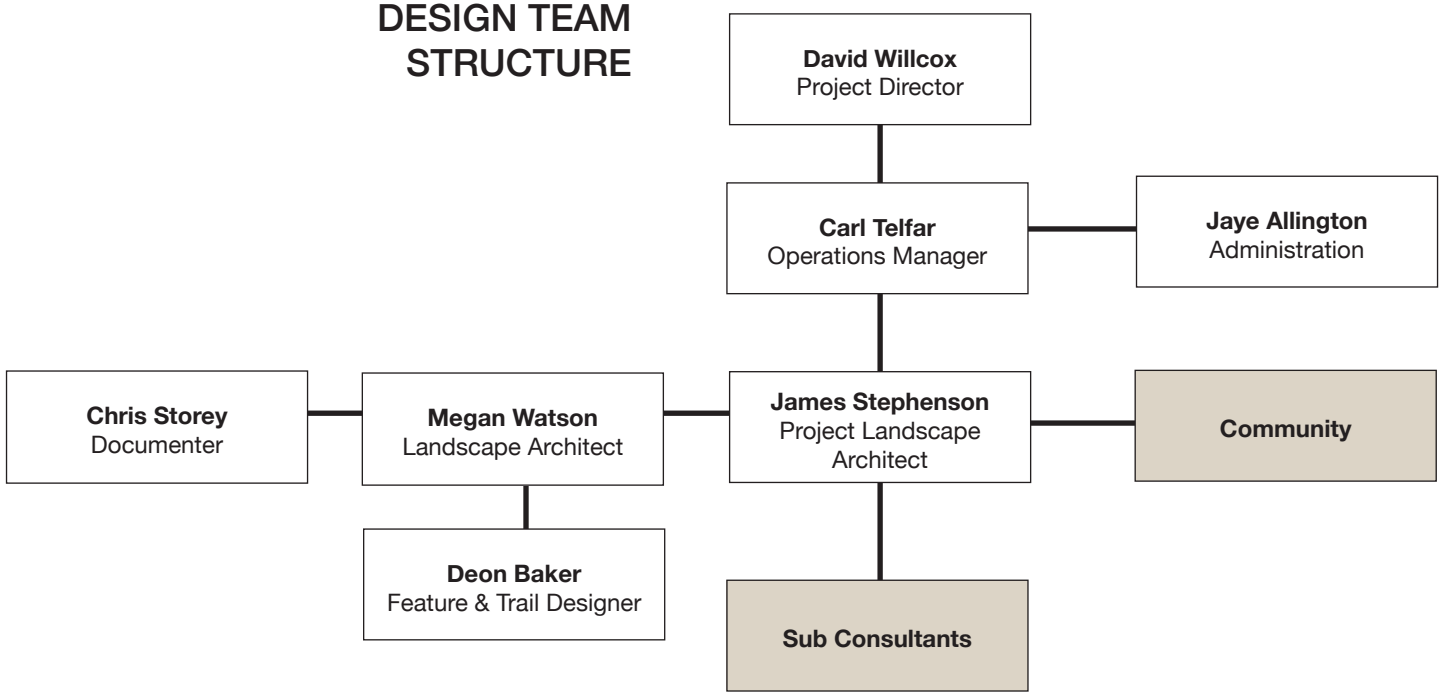
Key Skills & Experience
Chris has recently joined the Common Ground team. Chris is an experienced pump track design professional with expereince in BMX and Skale facility design. He will support detailed facility designers in coordinating and presenting schematic designs and will undertake design development of the pump track. Chris will be responsible for all 3D schematic work.

COMMON GROUND

Qualitative criteria

COMPANY CAPACITY

DESIGN TEAM STRUCTURE



PROJECT TEAM ROLES

PROJECT TEAM STRUCTURE & ROLES

PROJECT DIRECTOR

Primary contact, client liaison, decision maker, quality & experience control, stakeholder design workshop facilitator, council presenter, site investigations, meeting and workshop attendance, oversight of design consistancy across all design phases, set local character intent

David Willcox
Project Director

LANDSCAPE ARCHITECT

Prepare precedent examples, attend design workshop, background information review, liaison with service providers and government authorities, photo montages & graphic illustrations, obtain permits & approvals, provide content for social media

Megan Watson
Landscape Architect

EXPERT ADVISOR

Expert design principles advice, set user intent, set local characteristics intent

Deon Baker
Feature & Trail Designer

PROJECT LANDSCAPE ARCHITECT

Sub consultant coordinator, design and documentation manager, compliance review, landscape and engineering integration, service assessments, coordination of design program & finalisation, review & incorporate specialist consultant outcomes, provide cost estimates, coordinate engineer certified documentation, access and inculsion strategy compliance, certificates of design compliance, maintenance schedule and lifecycle costings, impliment CPTED principles, impliment general design principles, achieve compliance for design development documentation

James Stephenson
Project Landscape Architect

DOCUMENTATION

Develop schematic design options including perspectives & graphic renderings, repare detailed design plans specifications and material schedule, storm water management design integration

Chris Storey
Documenter

COMMON GROUND

Key Personnel - Construction Team

Common Ground has a full time permanent specialised pump track construction team which is highly skilled and experienced in machinery operation, hand building, drainage, asphalting and landscaping. The team has worked extensively as a complete and dynamic unit to deliver multiple projects throughout Australia. The team's collective expertise has been developed through delivery of multiple projects, and through each individual striving for improvement in every aspect of a build. The team is extremely competent in site safety management and supervision; operation of loaders, skid steers, excavators, rollers, compactors and hot tools. Each member of the team is trained in team supervision and capable of leading independent construction crews across multiple sites.

Qualitative criteria

COMPANY CAPACITY

CARL TELFAR (CT)
PROJECT MANAGER

Background
Operations Manager
Project Manager

Key Skills & Experience
Carl is a skilled Project Management professional with 15+ years' experience working across Local Government, Construction, Mining and Road & Rail sectors. As the Operations Manager for Common Ground he oversees the day to day running of the people and projects across all facets of the business. He is an excellent communicator, influential and positive role model and passionate leader. Carl will be overseeing the delivery of this project and will be the main client contact for the duration of the scope of works.

DEON BAKER (DB)
CONSTRUCTION MANAGER & MACHINERY OPERATOR

Background
Landscaper, professional world cup downhill mountain bike racer.

Qualifications & Relevant Experience
Deon has an eye for detail and technical construciton elements and has applied this to leading the Chapman, Hammon Park, Piara Waters, Waller Park, Calleya, Kingsley, One71 Baldivis, Jindowie Pump Tracks & St Marks Jump Park.

Credentials
- Construction Industry White Card
- Conduct Articulated Loader Skid Steer & Excavator Operations
- Provide First Aid Certificate

JORDON VIRGL (JV)
SITE SUPERVISOR & MACHINERY OPERATOR

Background
Civil Erthworks Operator

Qualifications & Relevant Experience
As an experienced civil oporator, Jordon assisted the Common Ground construction crew on the Chapman, Hammon Park and Piara Waters, .

Credentials
- Construction Industry White Card
- Conduct Skid Steer & Excavator Operations
- Provide First Aid Certificate

GERRAN TURNER (GT)
DESIGNER, MACHINERY OPERATOR & SHAPER

Background
Trail Building, Graphic design, environmental science

Qualifications & Relevant Experience
Enthusiastic, creative builder, Gerran has been a vital team member on the Chapman, Hammon Park, Piara Waters, Waller Park, Calleya, Kingsley, Jindowie and One71 Baldivis pump tracks.

Credentials
- Construction Industry White Card
- Conduct Skid Steer & Excavator Operations

SAM RUBERY (SR)
BUILDER & SHAPER

Background
Trail Building

Qualifications & Relevant Experience
Experienced pump track builder with experience in asphalt Sam is a capable pump track builder, responsible for development of the Chapman River and Piara Waters Pump Tracks.

Credentials
- Construction Industry White Card

ALEX JAEGER (AJ)
BUILDER & SHAPER

Background
Mining and Landscaping

Qualifications & Relevant Experience
Skilled pump track builder with experience in asphalt Alex is highly experienced in pump track construction, responsible for development of the Chapman River and Piara Waters Pump Tracks.

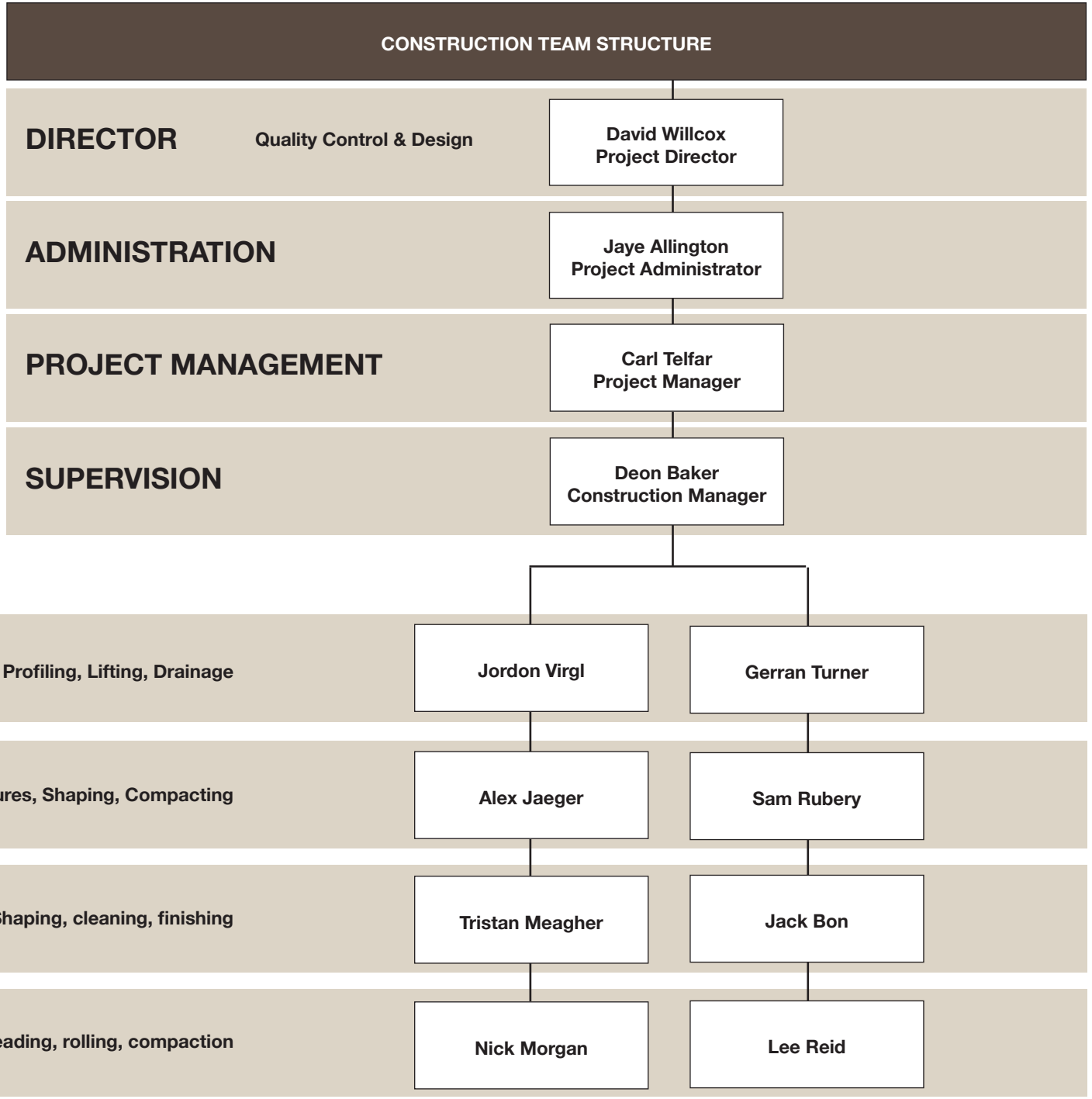
Credentials
- Construction Industry White Card
- Conduct Skid Steer & Excavator Operations

COMMON GROUND

Qualitative criteria

COMPANY CAPACITY

CONSTRUCTION TEAM STRUCTURE



COMMON GROUND

David Willcox

Director &
Pump Track Designer

ABOUT

- Founder and Director of Common Ground Trails since 2013
- 6 years in the professional Trails Industry
- 10 years in the Architecture and Planning industry
- Known for his leadership and contribution to trails in Western Australia
- Dedicated designer, planner and project manager
- Attention to detail and obsession with continuous improvement ensure the highest quality outputs in all of David's project engagements
- Under David's direction, the Common Ground team have delivered plans for over 2000km of trail in Western Australia, Victoria, South Australia and Queensland

Committees & volunteering

- 2017-2019 - Trails WA Chairperson
- 2014-ongoing Director - Margaret River Busselton Tourism Association
- 2011-15 Chairperson - Margaret River Off Road Cycling Association
- 2017-2018 - Committee Member Western Australian Trails Reference Group

Education

- 1999 Bachelor of Science, ECU

Noteable Speaker Engagements

- 2014 Australian Mountain Bike Confernce
- 2015 WA Trails Conference
- 2015 Australian Mountain Bike Confernce
- 2016 WA Trails Conference
- 2017 Sustainable Trails Conference, Thredbo
- 2018 Pilbara Trails Forum
- 2018 Wheatbelt Trails Forum
- 2019 Destination MTB Forum, Maydena

2019 Sustainable Trails Conference, NZ

PUMP TRACK PROJECT EXPERIENCE

Waller Park Asphalt Surfaced Pump Track, 2017, City of Logan / Trailscapes, QLD

- Detailed design of pump track
- Responsible for decision making to ensure low cost and highly effective solutions for various design developments
- Overall responsibility for client relationship and project delivery

Broome Asphalt Surfaced Pump Track, 2018-ongoing, Shire of Broome, WA

- Concept design of wider youth precinct, incorporating trails, pump track and other youth oriented recreation facilities
- Concept and Detailed pump track design

Chapman River Asphalt Surfaced Pump Track, Jumps Tracks and Skills Track, 2018, City of Greater Geraldton, WA

- Concept & Detailed design of pump track, jumps track and skills track
- Youth and community design workshop
- Stakeholders consultation
- Concept presentation to Councillors for endorsement

Piara Waters Pump Track, 2018, Emerge Associates, WA

- Concept and Detailed pump track design
- Opinion of probable cost
- Construction management

Calleya Asphalt Surfaced Pump Track, 2017, Landscape Elements, WA

- Concept and Detailed pump track design
- Opinion of probable construction costs for landscape architect prior to engagement as construction contractor
- Overall responsibility for procurement and construction activities
- Carried out periodic design inspections to provide direction to on ground construction crew

Yangebup Pump Track, 2017, City of Cockburn, WA

- Options study and preliminary design
- Opinion of probable construction costs

Tom Price Asphalt Surfaced Pump Track, 2017, Pilbara Regional Council, WA

- Site assessments
- Concept design
- Opinion of probable construction costs

Kingsley Asphalt Surfaced Pump Track & Jumps Track, 2017, City of Joondalup, WA

- Concept & Detailed Design
- Presented long term cost saving options for landscaping and drainage
- Proposed asphalt surfacing to improve upon preliminary specifications initially required by the client
- Outcome was a durable and very popular pump and jumps track and returned savings to the client

Baldivis One71 Asphalt Surfaced Pump Track, 2016, Horizon West, WA

- Concept & Detailed designs
- Opinion of probable construction costs
- Supervision of construction and liaise with head contractor

Halls Creek Asphalt Surfaced Pump Track, 2017, Shire of Halls Creek, WA

- Site assessments
- Stakeholder workshop
- Options study
- Opinion of probable construction costs

Yanchep Naturally Surfaced Pump Track, 2015, Landscape Elements, WA

- Concept and Detailed Design
- Construction

College Park Naturally Surfaced Pump Track, 2014-2015, City of Nedlands, WA

- Concept and Detailed Design
- Construction and Maintenance
- Advice on major resurfacing works

Other Advisory Services for:

- Market Garden Pump Track Concept Design, City of Cockburn, WA
- Nannup community Pump Track Design Review, Shire of Nannup, WA
- Golden Bay Pump Track Design, EPCAD, WA
- Albany Pump Track Design and Construction Cost Estimate, Albany Mountain Bike Club, WA
- Bob Gordon Pump Track, City of Melville,

COMMON GROUND

James Stephenson

Landscape Architect

ABOUT

- 13 years in the Landscape Architecture industry
- Professional experience in both New Zealand and Australia
- A broad range of project types covered including infrastructure upgrades, greenfield developments, civic projects, visual assessments, residential projects & local government assistance
- Experience in broad scale and detail development of projects from inception through construction
- Experience in generating accurate construction cost estimates
- Experience with the arrangement of spaces and movement inbetween within public open space development. Appreciation of how critical this is in creating well balanced and cohesive open space
- Experience with nature play principles and development of multiple nature play areas within public open spaces
- A good eye for detail design and conversion into desireable constructed outcomes

Education

- 2006 Bachelor of Design, major in Landsape Architecture, Victoria University of Wellington
- 2016 Registered Landscape Architect with AILA

PROJECT EXPERIENCE

Busselton Foreshore Udgrade, Busselton, 2014, City of Busselton / Emerge Associates, WA

- Conceptual landscape design of the entire Stage Two of the Foreshore Upgrade
- Detail design, documentation and cost estimates provided to City of Busselton for in house construction of all landscape works
- Cohesion of design with Convic as they delivered a skate park within the Stage Two area of the Foreshore site

Rotary Park Development, Margaret River, 2016, AMR Shire / Emerge Associates, WA

- Provide a review of the existing site and respond to spatially arrange the site
- Conceptual design of nature play areas, path network and parking strategy
- Integration of a pump track
- Prepare a graphic document for both online community feedback and for community consultation
- Facilitate community consultation of concept design and provide response and recommendation to AMR Shire

Vasse Greenfield Development, POS Stage 3B, 2016, Perron Development / Emerge Associates / Nature Play Solutions, WA

- Public open space and streetscape design from conceptual design through to documentation for approvals and construction
- Creation of a central park with a sheltered hub and adjacent nature play area catering for a wide range of abilities and ages
- Skateable path hinged off of sheltered hub with dual use skateable landscape elements

Witchcliffe Ecovillage, 2017-present, Sustainable Settlements / Perron Developments, WA

- Assistance with planning to obtain approved Structure Plan
- Conceptual design across both civil and landscape features
- Detail design of landscape features and ensuring cohesion with civil aspects of the project
- Conceptual design, detail design and cost estimates of streetscapes, community gardens, buffer public open spaces and large POS to contain open playing feild, half court baskeball, natureplay area, the Village Square and arrival Piazza for detail costings, approvals and construction

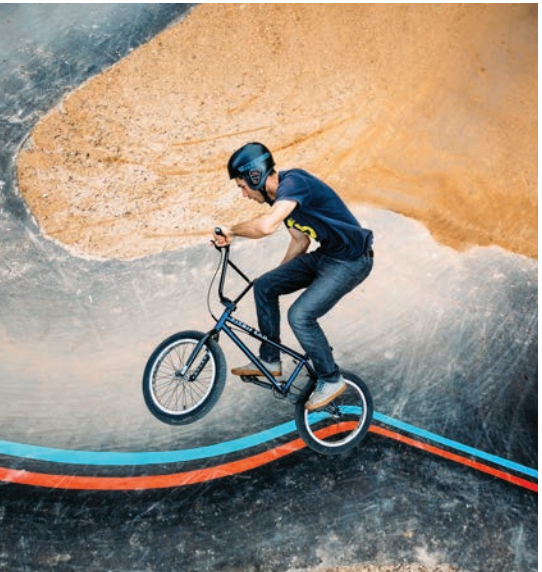
BACKGROUND AND OTHER EXPERIENCE

- Experience with local mountain bike club in event management, social engagemant and trail advocacy
- A keen rider belonging to several bike clubs across several disciplines for the last 23 years in New Zealand, Canada and Australia

COMMON GROUND

Deon Baker

Construction Manager
Trail Designer
Builder



PUMP TRACK PROJECT EXPERIENCE

Waller Park Asphalt Surfaced Pump Track, 2017, City of Logan / Trailscapes, QLD

- Assisted with detailed design of track, ensuring multiple line options were incorporated into various features, and to ensure each line was equal in timing and distance to enable the key 'dual slalom' feature of this track
- Drawing on his freestyle BMX experience, hand shaping of all track features to maximise the feeling of flow
- Machinery operation
- Asphalt laying and supervision of subcontractor

Chapman River Asphalt Surfaced Pump Track, Jumps Tracks and Skills Track, 2018, City of Greater Geraldton, WA

- Assisted with Concept & Detailed design of pump track, jumps track and skills track to ensure elements of progression and fun
- Machinery operation
- Asphalt laying works

Madox Asphalt Surfaced Pump Track, 2018, Mirvac, WA

- Machine shaping and compaction of track features
- Machinery operation and training
- Asphalt laying works and supervision of subcontractor

Calleya Asphalt Surfaced Pump Track, 2017, Landscape Elements, WA

- Machinery operation
- Hand shaping of all track features
- Asphalt laying works and supervision of subcontractor

Kingsley Asphalt Surfaced Pump Track & Jumps Track, 2017, City of Joondalup, WA

- Assisted with Concept & Detailed designs of pump and jump tracks
- Developed construction techniques for installation of new innovative jump design integrating asphalt surfaced jump lips with clay landings
- Worked with the client to develop landscaping solution to fit with the natural feel of the site while providing for safety of track users
- Machinery operation
- Asphalt laying works
- Periodic inspections and maintenance

Baldivis One71 Asphalt Surfaced Pump Track, 2016, Horizon West, WA

- Machinery operation, hand shaping and compaction of track features
- Asphalt laying works

Yanchep Naturally Surfaced Pump Track, 2015, Landscape Elements, WA

- Machinery operation, hand shaping and compaction of track features
- Asphalt laying works

College Park Naturally Surfaced Pump Track, 2014-2015, City of Nedlands, WA

- Periodic maintenance and resurfacing works
- Drainage improvement works

Various natural and hard surfaced pump tracks Design & Construction, 2016-2017, Various Local Governments.

- Designed and constructed various pump and jump tracks to cater for wide user base and to allow features to be used and enjoyed by riders of any skill level
- Passionate about providing progressive facilities, to enable riders to advance their skills, Deon cleverly designs every berm, roller and jump to cater for this

Other Advisory Services for:

- Market Garden Pump Track Concept Design, City of Cockburn, WA
- Nannup community Pump Track Design Review, Shire of Nannup, WA
- Golden Bay Pump Track Design, EPCAD, WA
- Albany Pump Track Design and Construction Cost Estimate, Albany Mountain Bike Club, WA
- Bob Gordon Pump Track, City of Melville,

BACKGROUND AND OTHER EXPERIENCE

- 5 years trail planning and building experience.
- Experienced landscaper.
- Professional World Cup downhill mountain bike racer.
- Mountain bike skills coaching
- Leads trail construction crews, with particular expertise in shaping and sculpting of jumps and technical trail features.
- Regular at BMX and pump tracks around Perth, Deon has an eye for the desired technical trail features users seek.
- Passionate about delivering a fun user experience through his design and construction work and will go the extra mile to ensure the perfect finish is achieved.
- Deon has been the creative talent behind some of the best progressive descending flow and technical trails in WA.
- 2007 Bachelor of Art, Curtin University

Various Trail Design & Construction Assignments throughout Australia.

COMMON GROUND

Gerran Turner

Trail Designer & Builder

PUMP TRACK PROJECT EXPERIENCE

Waller Park Asphalt Surfaced Pump Track, 2017, City of Logan / Trailscapes, QLD

- Drainage installation
- Hand shaping and compaction of track features
- Responsible for receipt of equipment and materials to site
- Landscaping and turf installation
- Asphalt laying and supervision of subcontractor

Chapman River Asphalt Surfaced Pump Track, Jumps Tracks and Skills Track, 2018, City of Greater Geraldton, WA

- Machinery operation
- Asphalt laying works

Madox Asphalt Surfaced Pump Track, 2017, Mirvac, WA

- Hand shaping and compaction of track features
- Machinery operation and training
- Asphalt laying works and supervision of subcontractor

Calleya Asphalt Surfaced Pump Track, 2017, Landscape Elements, WA

- Drainage installation
- Hand shaping and compaction of track features
- Machinery operation and training
- Asphalt laying works and supervision of subcontractor

Kingsley Asphalt Surfaced Pump Track & Jumps Track, 2017, City of Joondalup, WA

- Drainage installation
- Hand shaping and compaction of track features
- Testing and refinement of advanced jumps line
- Asphalt laying works
- Responsible for liaison with client for periodic inspections and maintenance visits

Baldivis One71 Asphalt Surfaced Pump Track, 2016, Horizon West, WA

- Hand shaping and compaction of track features
- Asphalt laying works

Yanchep Naturally Surfaced Pump Track, 2015, Landscape Elements, WA

- Hand shaping and compaction of track features
- Periodic inspection and maintenance tasks

College Park Naturally Surfaced Pump Track, 2014-2015, City of Nedlands, WA

- Periodic maintenance and resurfacing works
- Drainage improvement works

Various natural and hard surfaced pump tracks Design & Construction, 2016-2017, Various Local Governments.

- Designed and constructed various pump and jump tracks to cater for wide user base and to allow features to be used and enjoyed by riders of any skill level
- Recently achieved licence to conduct skid steer and excavator operations

BACKGROUND AND OTHER EXPERIENCE

- 5 years trail planning and building 3 years trail building experience.
- Experienced landscaper.
- Downhill mountain bike racer.
- Experienced in construction of mountain bike trails, particularly descending flow and technical trail.
- Enthusiastic, creative trail builder, Gerran regularly rides BMX and races downhill and gravity enduro.
- Experienced in pump track construction.
- Interest in conservation and prior work experience with the Parks and Wildlife Service WA.

Various Trail Design & Construction Assignments throughout Australia.

COMMON GROUND

Megan Watson

Landscape Architect

ABOUT

- 5 years experience shaping visitor experience in National Park context in Victoria and Western Australia
- 3 years experience in land and conservation management in Canada
- Highly motivated and engaged professional with a genuine interest in the environment and the processes which shape it
- Understanding of the complexities of balancing visitor access with the protection of natural and cultural values
- Understanding of trail planning and design principles to prevent & reduce adverse impacts on sensitive environments
- Passionate about enabling experiences which captivate and engage trail users

Education

- 2012 Post Graduate Diploma of Science (Botany), University of Melbourne
- 2008 Bachelor of Landscape Architecture, University of Melbourne

RELEVANT PROJECT EXPERIENCE

Hammon Park Asphalt Surfaced Pump Track, 2019, Hepburn Shire Council VIC

- Master Plan Design of Pump Track, Jump Track Skills Park and associated infrastructure

Project Chapman River Mountain Bike Trails Design and Construction

Date 2018

Client City of Greater Geraldton

- Preparation of GIS mapping and development of trail alignment
- Liaison with client environmental and parks staff
- Design, procurement and management of trail heads and signage

Project Jindabyne Shared Use Trail Design

Date 2017 (ongoing)

Client Snowy Monaro Regional Council

- Preparation of GIS mapping and development of trail alignment options
- Presentation of options to client and land managers

Project Collie Mountain Bike Trail Design & Construction (Wagyl Bidi)

Date 2018

Client Shire of Collie

- Liaison with client environmental and parks staff
- Obtaining agency permits for clearing and construction works
- Design, procurement and management of trail heads and signage

Project Queensland Mountain Bike Strategy

Date 2017 (ongoing)

Client Mountain Bike Australia

- Review of trail counter data, community survey outcomes, GIS information
- Opportunity planning, multi criteria analysis of all existing and proposed trail locations
- Development of project report including text, plans, maps and graphics.

Project Peel Regional Trails Strategy

Date 2017

Client Shire of Murray

- Audit of existing trail network
- Opportunity planning, multi criteria analysis of all existing and proposed trail locations
- Development of project report including text, plans and graphics.

Project Mullum Mullum Trails Master Plan

Date 2011

Client Parks Victoria

(working for others)

- GPS mapping of existing trail network
- Analysis of existing trail network, site constraints and opportunities and development of key recommendations and action plan for implementation
- Preparation of concept design report for multi-use trail network

Project Bunuba Country Recreation and Tourism Master Plan

Date 2017

Client DBCA Parks and Wildlife Service

(working for others)

- Prepared Recreation and Tourism Master Plan, including analysis of existing conditions and visitor use patterns and development of new concepts and proposals for recreation and tourism opportunities.
- Worked closely with tourism consultant and local park rangers to gather site information and visitor data.
- Prepared graphic Master Plan report, including mapping, detailed site concepts and cost estimates
- Presented master plan to stakeholders for review and incorporated feedback.

Project Eighty Mile Beach boardwalk and lookout platform

Date 2017

Client DBCA Parks and Wildlife Service

(working for others)

- Detailed design for beach access boardwalk and a lookout platform.
- Undertook site analysis, concept development and detailed design.
- worked closely with consultant engineer to develop construction documentation drawings.

Project River Red Gum Parks site planning

Date 2012

Client Parks Victoria

(working for others)

- Mapping and analysis of 8 visitor sites in parks along the Murray River in Victoria.
- Concept development for visitor facilities.
- Consultation with key stakeholders and community during analysis and concept development
- Preparation of detailed report including analysis, concepts and implementation schedule.

COMMON GROUND

Design Resources

Common Ground's biggest resource is the capacity and ability of its professional staff. To assist in the successful delivery of projects Common Ground utilises a wide range of equipment and resources to ensure timely delivery of projects and redundancy measures are in place including all data being cloud based.

A summary of key equipment resources relevant to trail planning is provided below.

Vehicles	Ford Ranger (x4) Holden Colorado Ford Kuga Yamaha Quad Bike
Safety & First Aid	Personal locator beacon (EPIRB) (x3) Snake proof gaitors Compact first aid kit Snake bite kit Handheld UHF radios
Office Hardware	Apple iMac computer Apple Macbook Pro laptop computer (X 4 New) LG 5k Display x3 Apple iPad (X 4) Canon 5DMK2 (with assortment of lenses) Drone cameras Canon M1 digital Camera Gopro Hero 4 Brother wide format multifucntion A3 Printer (X 2) Apple iPhone (X 4)
Trail Design & Consultancy Equipment	Bad Elf GNSS Surveyer and ruggedised iPad (X 3) Garmin Hand Held GPS (X 2) Suunto Clinometre (X 4) GIS PRO APP - Mobile Device (x4) QGIS 3.4 - Desktop (x3)
Office Software	QGIS 3.10 Adobe Creative Suite (Indesign, Illustrator, Photoshop Acrobat) Microsoft Office Suite Archicad 23 Slack - Internal Communication SmartSheet - Project Mnagement Software Google Earth Pro Dropbox- business Smartsheet - business

COMMON GROUND

Qualitative criteria

COMPANY CAPACITY

Construction Resources

Adequate and appropriate equipment and resources are paramount for the timely delivery of Pump Track projects. Common Ground Trails uses class leading appropriately sized machinery perfectly suited to building pump tracks. To compliment this machinery we have a range of attachments specifically suited to construction pump track construction. Typical civil equipment is not appropriate on pump tracks and Common Grounds secret weapon is the various specialist tools we have created and developed specialist constructions techniques over our multiple pump track projects.

A summary of our key equipment resources relevant to Pump Track construction is provided below.

Machinery	2018 Kubota U55 excavator & attachments 2018 SVL75 Multi Terrain Loader 2018 2x 2015 Kubota U17-3 1.7t mini excavator & attachments 2015 2x Vermeer S725 TX with interchangeable attachments 2016 Honda motorised tracked barrow (power carrier) 2018 Yamaha 350cc Quad Bike with compaction wheels
Accomodation / Storage	2x 20ft site storage containers including office
Vehicles	Ford Ranger (x4) Ford Kuga
Trailers	Dual axle 3.5t plant trailer 2x Dual axle 2t plant trailer Trailer mounted 1000L fire fighting unit
Specialist Pump Track Equipment	3x Pad Foot trench rollers 4x Asphalt hand rollers 2x Asphalt tampers 2x Asphalt depth ropes 2x Specialist plate compactors 5x Asphalt curved edge guides Heat Lance Asphalt Screeds (x5)
Motorised Equipment	Roller Compactor Plate compactor (x3) Husqvarna Chainsaws (x4) Brush Cutters, Commercial Level (x3) Husqvarna Leaf Blower, Commercial Level Husqvarna Hedge Trimmer, Commercial Level
Hand Tools	rooms and other hand tools required (x10) Cordless power tools, clinometer, 2x Laser Level, Digital Spirit Level
Safety & First Aid	Australian Standard Signage and Barriers Personal locator beacon (EPIRB) Compact first aid kit Handheld UHF radios

COMMON GROUND

Commitments

Qualitative criteria

COMPANY CAPACITY

The Common Ground construction team has just finished our latest Asphalt pump tracks in Wangaratta, Victoria and Dongara, Western Australia. We are now delivering four 150-200sqm pump track in Western Australia and a 500sqm Pump Track in Omeo Victoria due for completion in November. We have limited existing commitments for our construction team from October 2020 and this project suits our requirements.

We have the ability if required, to split our construction teams into multiple separate teams (up to 4 teams) all working independently, however, do not anticipate this will be necessary with our current schedule of work for the second half of 2020.

Our design team is available to undertake consultation and design immediately and could take possession of the site for construction as early as September 2020, subject to consultation and design. We anticipate a 7 week build period leaving contingency in the project timeline.

In order to resource the project successfully Common Ground will ensure all staff are closely located to the site for the duration of the project.

As pump tracks require specialist construction methods, which are only possessed by an experienced and skilled personnel, our team is accustomed to travel throughout Australia to service these kind of jobs. We typically rent accommodation close to the site to maximise work and minimise travel. In the case of this project it will be close to home for our team which they will enjoy.

We are able to schedule this project considering our existing projects and resource capability.

Design and Construct Pump Track at Hollylea Reserve, Denmark

COMMON GROUND

Qualitative criteria

METHODOLOGY

COMMON GROUND

Qualitative criteria

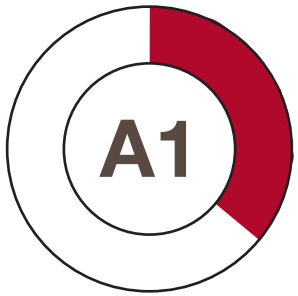
METHODOLOGY

Overall Methodology

In order to meet the project brief, Common Ground propose a detailed project methodology. The project team will work with the client to ensure timely completion of all project deliverables in accordance with industry best practice and in line with the requirements of the project brief. The following pages provide a summary and detail on our proposed project methodology and the major stages involved.

Our Methodology is broken into three major sections including Consultation, Design and Construction

Design Methodology



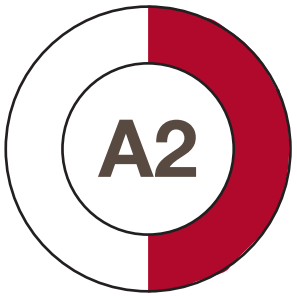
CONCEPT DESIGN REVIEW

KEY OUTPUTS:

Identified issues for clarification on site

Identified physical constraints, impacts, access points and alignment options

concept plan drawing review and recommendations



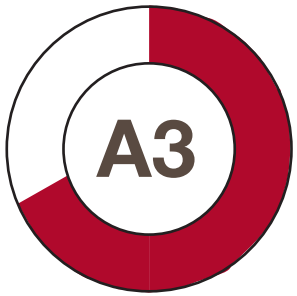
DESIGN DEVELOPMENT & DETAILED DESIGN

KEY OUTPUTS:

Detailed drawings including layouts, details, drainage details, individual features and sections

Refined estimate of probable costs for construction and maintenance

Approval to proceed to construction specifications

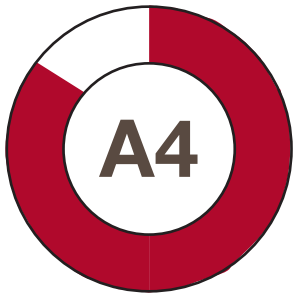


CONSTRUCTION SPECIFICATIONS

KEY OUTPUTS:

Schedule of materials & construction techniques

Resourcing plan and definitive construction timeline



PROCUREMENT

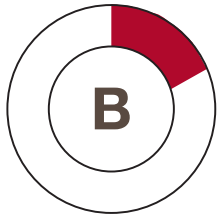
KEY OUTPUTS:

Formally established definitive trail lines flagged on site, including alignments and locations of all features and drainage elements

Site set out with surveyor

Qualitative criteria

METHODOLOGY

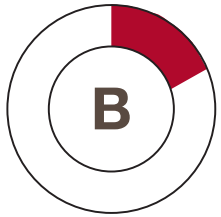


STAGE	TASK	RESOURCES
STAGE 1 - CONCEPT REVIEW		
This stage will involve the review of the preliminary concept, based on initial discussions of client requirements only. It is intended as a guide for the level of development proposed and will be refined with invovlement and input from Council.		
Concept	Review site scale and topography, facility purpose and target user groups. Determine appropriate features. Recommend construction materials and finish. Describe target users strategic locations of key features Describe proposed user flow and interaction.	LF, DW
STAGE 2 - DESIGN DEVELOPMENT		
This stage will involve the development of the design from the preliminary concept proposed. It will involve integration with the existing facility and incorporation of accurate site survey information. The concept will identify broad opportunities and site constraints. Major considerations of the plan will include intended recreation use in the general area, mitigating potential conflict with other users, visitor safety, and expected demand on facilities. The concept will inform a plan for the placement of the track within the area, as well as other infrastructure requirements.		
Desktop Review	Incorporate site survey information into initial concept to identify potential changes and points for clarification on site. Review environmental protection requirements, particularly in relation to the lake close to the track, and determine suitable risk mitigation measures to ensure the construction and use of the facility do not negatively impact on this environment.	DW, DB
On Ground Review	Perform detailed on ground review of site to identify opportunities and constraints that may influence the concept design. While the site has been assessed in preparing the initial concept, this site assessment will provide more detailed information regarding the site topography, key issues that may affect sustainable development of the site and integration with the new facilities. Identify other activities occurring and associated management considerations. Review accessibility of the site to bike, public transport and private vehicle. Assess existing or planned infrastructure, such as car parks, toilet facilities, and signage.	DW, DB
Consultation and Reviews	Consult with Client regarding identified alignments, illustrating potential options, locations of key features, key decisions taken and recommendations to progress. Modify concept to meet the needs of stakeholders prior to advancing to detailed design.	DW

COMMON GROUND

Qualitative criteria

METHODOLOGY



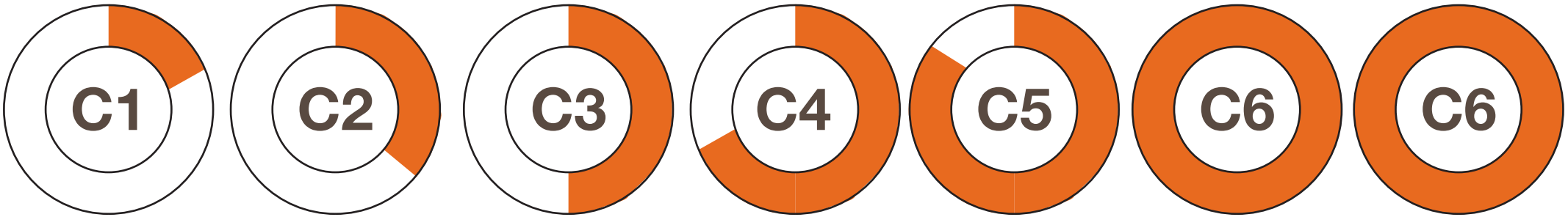
STAGE	TASK	RESOURCES
Design Development documentation	Incorporate consultation feedback, and confirm track configuration, start point, difficulty classification, alignment, locations of features, construction materials and direction of flow.	DW, CF
Client Approval	Upon client approval, proceed to Detailed Design	
STAGE 3 - DETAILED DESIGN		
This stage will involve confirmation of track and feature details, ensuring the track is built fit for purpose, is low maintenance and is sustainable.		
Detailed Design Documentation	Define feature type, dimensions, materials of construction. Prepare drawings, including maps and plans of overall track and individual sections, signage plan if required, schedule of materials and surfaces, construction techniques, drainage features, constructed technical features and structures, imported material requirements and sources, trail finish and clean-up requirements, environmental requirements, structural certification if required. Civil drainage design	DB, CF
STAGE 4 - CONSTRUCTION SPECIFICATIONS		
Construction Specifications	Prepare construction specifications, including schedule of materials and surfaces, construction techniques, drainage features (as per civil drainage), constructed technical features and structures (if required), trail finish and clean-up requirements. The construction techniques will determine the level of resourcing, and identify any specific machinery, skills and qualifications required for the works. This will inform the project schedule, which will be confirmed following detailed design approval.	CF, LF
Approvals	Apply and obtain Statutory Approvals	

COMMON GROUND

Construction Methodology

Qualitative criteria

METHODOLOGY



ESTABLISHMENT

KEY OUTPUTS:

Kickoff Meeting

Inductions

Site Establishment

Procure Materials

SITE PREPARATION

KEY OUTPUTS:

Document structures and trees

Demolition

Survey

Clear, grub and strip site

Excavation of site

Proof rolling and compaction

Earth Raft installation

DRAINAGE

KEY OUTPUTS:

Excavate trenches

Install and compact bedding

Install pits, pipes and headwalls

Backfill

Protect

BASE COURSE

KEY OUTPUTS:

Survey setout points

Install Base Course

Compaction

Testing

PRIMER & ASPHALT

KEY OUTPUTS:

Clean base course

Install primer

Install Asphalt

Heat and seal joins

LANDSCAPING

KEY OUTPUTS:

Install works

Install softworks

Turf all impacted areas

Assist with installation of signage and artwork

FINISHING & DEFECTS LIABILITY PERIOD

KEY OUTPUTS:

Practical Completion

Punch list

Clean Site

Demobilise

As constructed Drawings

26 Week maintenance period

12 month defect liability period

COMMON GROUND

Qualitative criteria

METHODOLOGY

Detailed Construction Methodology

Common Ground have the required technical capabilities to undertake all stages of pump track and play space development and achieve high quality outcomes. The following pages detail our proposed project methodology.

STAGE	TASK	RESOURCES

STAGE 1 - ESTABLISHMENT

It is expected that the client has undertaken necessary community engagement activities to allow procurement and construction works to commence immediately following site handover.

- Project kick off meeting and inductions
- Adopt program of works
- Implement mitigation strategies and processes as required.
- Establish site fencing, lay down area and staff facilities as required.
- Install site safety notices and documentation
- Mobilise construction team to site and site familiarisation activities, including hygiene plans, inductions, site layout, safety and communications protocols, construction standards.
- Apply environmental protection measures as per Environmental Management Plan.
- Source and test appropriate materials.
- Identify appropriate lay down areas for materials and equipment
- Purchase materials, mobilise machinery and equipment

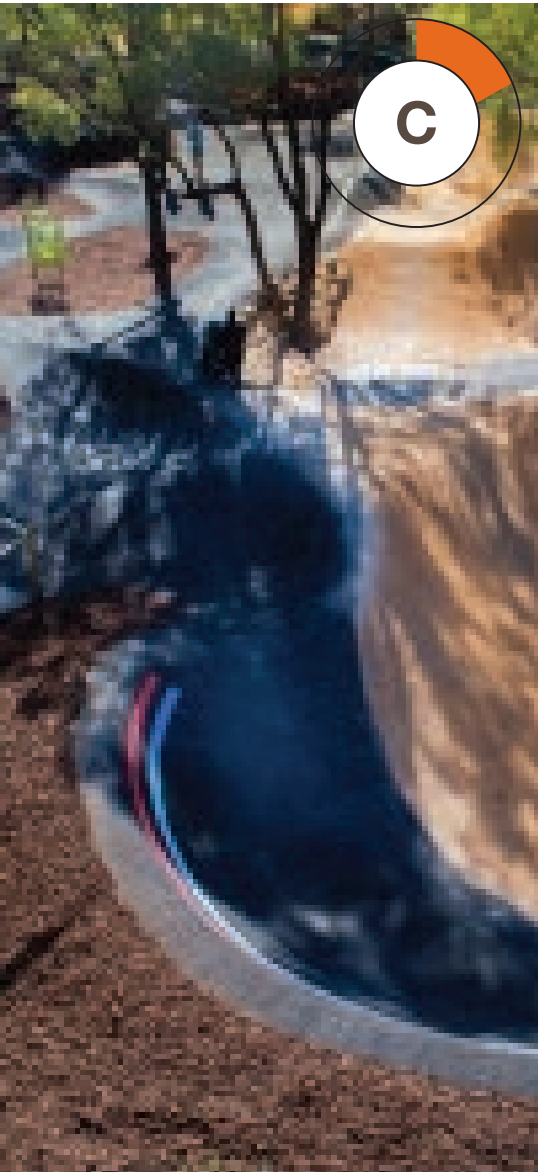
STAGE 2 - SITE PREPARATION & BULK EARTHWORKS

- Periodic inspections as documented
- Document site and adjacent structures existing condition
- HOLD POINT
- Document trees to be retained
- HOLD POINT
- Identify and protect existing services
- Demolition to Materials Classes Table
- Site survey to document extend of excavation
- Clearing, Grubbing and Stripping of all organic material and top soil
- Excavation to documented levels including **earth raft to extent of pump track**
- Hold Point
- Treatment of unsuitable material
- Wet and Proof Roll subgrade with padfoot roller
- Hold Point
- Fill to documented levels with maximum 200mm compacted lifts
- Hold Point

COMMON GROUND

Qualitative criteria

METHODOLOGY



STAGE	TASK	RESOURCES

STAGE 3 - DRAINAGE & ELECTRICAL

- Periodic inspections as documented
- Site survey to document drainage locations
- Excavated trench and install pipe bedding and electrical/service conduits
- Compact bedding to appropriate level
- Install elecrical, stormwater pits, headwalls and pipes to invert levels as documented
- Test drainage flow
- Hold Point – Inspection of Pipe Joints
- As constructed documentation of all invert levels and pit and pipe locations
- Backfill trench with appropriate fill and compact
- Flag and protect pits

STAGE 4 - BASE COURSE

- Periodic inspections as documented
- Site survey to document all pump track setout points
- Install specified base course as documented with maximum 200mm lifts and to a minimum 300mm thickness and documented compaction
- Compact using padfoot roller and articulated padfoot trench roller
- Machine and hand shape base course to match documented levels
- Cut back berms and roller shapes to desired shapes and levels
- Plate compaction of final basecourse shape including all near vertical surfaces
- Test Ride
- As Constructed survey of Base Course
- Hold Point
- Undertake Compaction testing of base course
- Hold Point
- Batter all edges with fill material as documented and to 1 in 4 where possible

STAGE 5 - PRIMER & ASPHALT

- Periodic inspections as documented
- Sweep track of loose stones dust and dirt
- Cover and protect completed and surrounding surfaces
- Hold Point
- Install primer seal
- Spread Install bluemetal chip
- Hand lay asphalt as specified and spread to documented thickness using flexible guides on complex shapes
- Use edge guides on curved surfaces to get a neat and clean finish
- Hand tamp and roll asphalt into place
- Mechanical compaction of asphalt using pedestrian roller and plate compactors
- Tamp all asphalt edges to have neat and even finish
- Heat and roughen any cold joints to provide seamless joins

COMMON GROUND

Qualitative criteria

METHODOLOGY

STAGE	TASK	RESOURCES

STAGE 6 - LANDSCAPING, CONCRETE WORKS & LIGHTING

- Setout and place concrete and retaining walls
- Setout and assemble lighting
- Test lighting
- Setout and assist with installation of signage and artwork
- Setout and install all lanscape including softwork and hardwork
- Excavate planting holes
- Setout and plant all trees and planting materialInstall turf cells and mulch
- Install bollards
- Spread topsoil and lay turf

STAGE 7 - FINISHING & DEFECTS LIABILITY PERIOD

- Undertake final site walk and document defect punch list
- Install line marking and painted surfaces
- Install signage
- Remove all waste material from site
- Rake and prepare all exposed surfaces ready for landscaping
- Demobilise all equipment and storage
- Remove site fencing
- Submit final as constructed documentation
- Undertake 26 week maintanace period
- Enter defect liability period
- Inspect and repair defects in first 12 months.

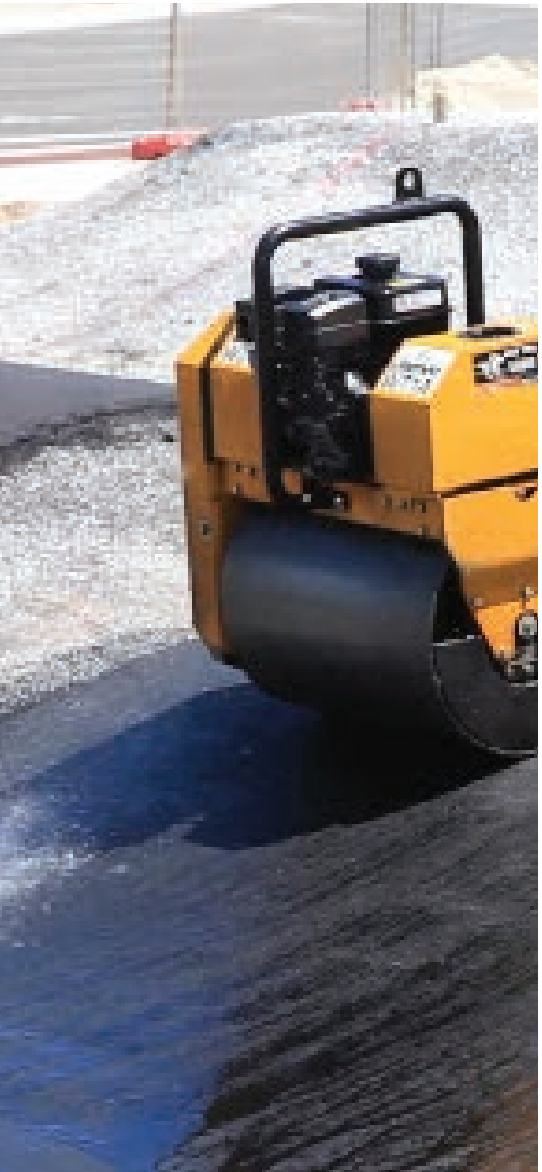
Keeping a pump track in excellent condition is essential to keeping the local community and users happy, and limiting management risk. Many of our clients have never maintained a pump track before, and this can be a daunting prospect. To assist with the handover process, on completion of every new pump track project, Common Ground provides clients with a comprehensive maintenance manual. The manual details inspections, maintenance and reporting requirements to ensure the new facility achieves its optimum service life, and to maintain warranty conditions. After the construction of your pump track, we don't just walk away. Common Ground is dedicated to achieving high quality, sustainable facilities and we are keen to hear how the track is performing. We are always available to discuss condition, performance and any concerns, even years after the project is complete. Key to the longevity of pump tracks is identifying issues early and applying the appropriate remedy. This will reduce maintenance requirements and costs.

Fence removal	Fences will be removed after turf establishment

COMMON GROUND

Qualitative criteria

METHODOLOGY



CONTRACT MANAGEMENT & DELIVERY

The Project Manager will monitor progress of the project and resolution of any issues experienced. Periodic progress reporting will provide a summary of Contractor performance in relation to safety, significant works, schedule and budget. The Project Manager will ensure a high standard of communications with the client and other project stakeholders at all times. The project manager will be the central point of contact for the project should technical or site personnel be temporarily unavailable.

Project management and delivery tasks that will are proposed to be undertaken regularly include:

Task	Key actions	Frequency	Responsible	Reference document/s
Meetings				
Initial project meeting	Kick off project	Once	Project Manager and Project Director	Contract
Regular meetings with project management team	Attendance at meetings	As required	Project Manager and / or Project Director	Contract
Site pre-start meetings	Conduct meetings All site staff sign-on	Daily 7am	Project Director	
Coordination with Superintendent (as required by Hold Points)	Coordination meeting with Superintendent if required to review hold points and to propose/ discuss or agree changes	As required (weekly as a minimum)	Project Director	Project management plan Construction management plan
Monitoring				
Client project update	Walk through of trail completed and planned progress for upcoming period	Weekly (every Friday)	Project Manager Project Director	
Maintenance and management of the project issues and risk register	Enter issues, risks, controls and resolutions into register Monitor and proactively resolve issues Report status to Superintendent	Weekly (every Tuesday)	Project Manager	Project management plan
Contract administration, including notices and claims (e.g. variations, extensions of time)	Issue notices (verbal and written) Discuss or agree particulars with Superintendent	As required	Project Director, Project Manager	Project management plan
Liaison with other contractors on site	Agree a communications protocol with other contractors, including verbal and written communications	As required (weekly as a minimum)	Project Director	Communications protocol

Qualitative criteria

METHODOLOGY

CONTRACT MANAGEMENT & DELIVERY

Assistance facilitating media and stakeholder enquiries, visits and inspections	Induct and escort visitors on site	As per agreed schedule of inspections	Project Director	Schedule of inspections
Reporting				
Cost tracking and forecasting	Prepare and submit progress reports internally Provide information to Superintendent upon request	Weekly (every Tuesday)	Project Manager	Project management plan
Schedule tracking and forecasting	Prepare and submit progress reports to Superintendent	Weekly (every Tuesday)	Project Manager	Project management plan
Weekly progress reports	Prepare and submit progress reports to Superintendent	Weekly (every Tuesday)	Project Manager	Project management plan Communications protocol
Progress claims	Assess and submit verified progress claim to Superintendent for payment Submit invoice for payment	Monthly (first Tuesday following end of month)	Project Manager	Project management plan

COMMON GROUND

Corporate Social Responsibility

Social

Common Ground Trails are a socially responsible organisation and are committed to a range of ethical practices. Most important to is the bridging of the gap in female participation and employment in our industry. We are proud to one of the only trails businesses in Australia that has a high representation of females sand are very proud that the average salary of our female employees is higher than our male employees.

We acknowledge our work towards reconciliation for aboriginal Australians is lacking and is something we need to focus on into the future. We have enjoyed excellent working relationships with traditional owners on projects we have worked closely with them on.

We have employed and trained a number of young people and given them strong career paths into trails development but acknowledge we can do more for disadvantaged groups.

Environment

Common Ground is an environmentally conscious and responsible business. Our core ethos is about getting people outdoors and to become more environmentally responsible themselves. Our core mission is;

- Develop the best trail
- Cause no unnecessary harm
- Use trails to conserve and create stewards for the environment

We are currently working with experts to develop a sustainability policy which will outline a range of policies and procedures so all staff are minimising energy use and waste.

At present we offset travel through a 3rd party provider and where possible minimise emissions by limiting travel and energy use. We use local suppliers to provide all goods and services and where possible use recycled materials or materials which are recyclable or have low embodied energy.

Our construction methodologies are far more sympathetic than most civil companies as we always hand clear bush before constructing trails as opposed to using mulching heads which leave little opportunity for escape routes.

We have been exclusively using recycled road base for our pump tracks across Australia for the last 2 years, and are about to trial our first recycled asphalt on a pump track in Victoria. We are aiming to construct 100% recycled pump tracks in 2021.

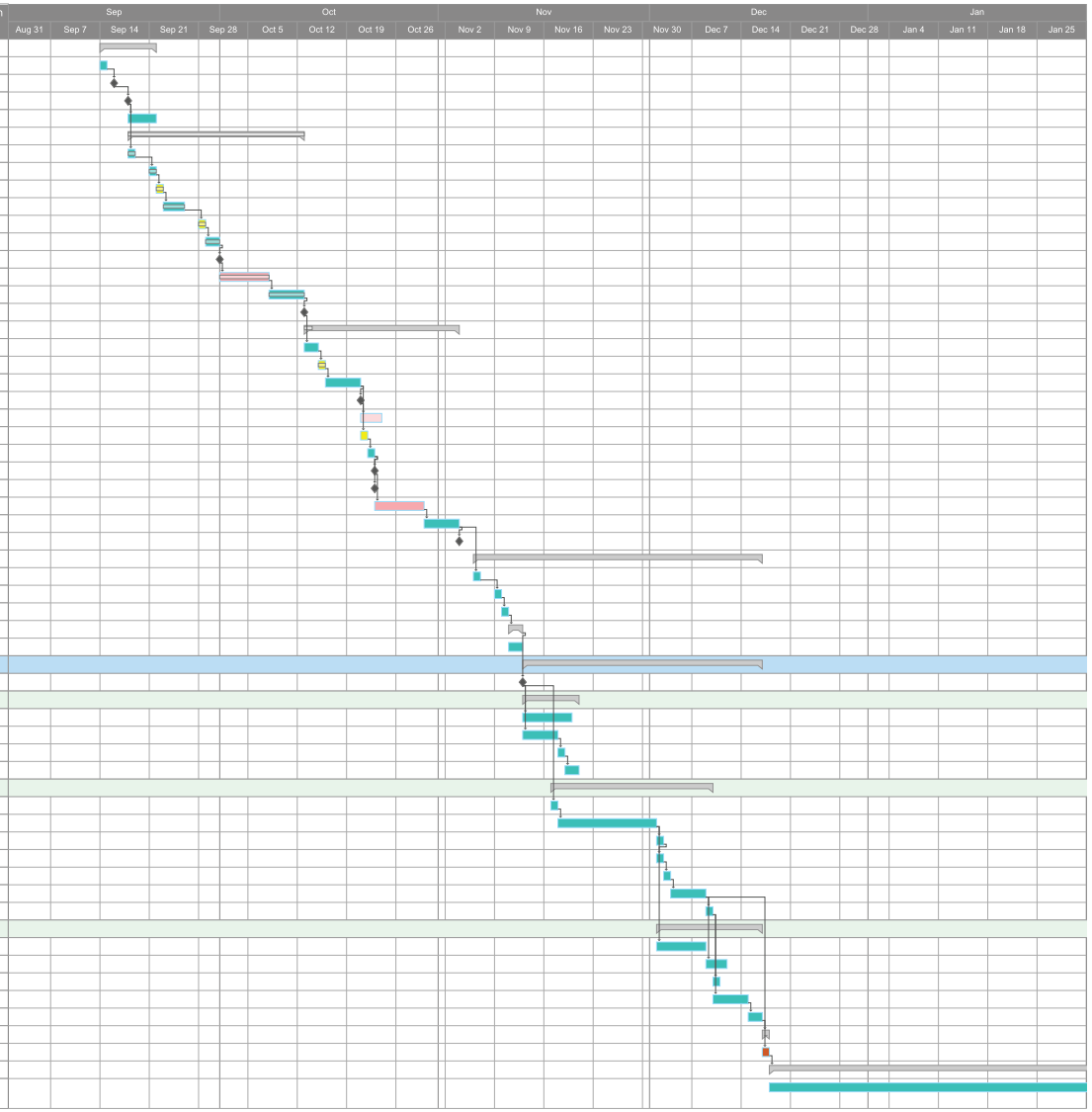
COMMON GROUND

Methodology - Project Schedule

Common Ground are available to start on this project immediately. The below timeline provides a summary of the major milestones and availability to schedule meetings within the delivery period stipulated in the Brief. The project timeline includes working week days only.

Refer Attachment for a detailed A3 version of the project schedule.

	Task Name	Predecessors	Start	Finish	Duration
1	**STAGE 1 - AWARD & CONSULTATION**		**14/09/20**	**21/09/20**	**6d**
2	Milestone: Award of Contract		14/09/20	14/09/20	1d
3	Kick off meeting & Stakeholder Consultation	2FS +1d	15/09/20	15/09/20	0
4	Submission of confirmed timeline	3FS +2d	17/09/20	17/09/20	0
5	Consultation and Workshop	4	18/09/20	21/09/20	2d
6	**STAGE 1 - DESIGN DEVELOPMENT**		**18/09/20**	**12/10/20**	**17d**
7	Review of site and project	4	18/09/20	18/09/20	1d
8	Diagramatic Site Response	7	21/09/20	21/09/20	1d
9	Internal Workshop	8	22/09/20	22/09/20	1d
10	Progress concept design to 50%	9	23/09/20	25/09/20	3d
11	Internal review of 50% design development	10	28/09/20	28/09/20	1d
12	Progress design development package to 95%	11	29/09/20	30/09/20	2d
13	Submit 95% design development package to City	12	30/09/20	30/09/20	0
14	City review period	13	01/10/20	07/10/20	1w
15	Progress concept design package to 100%	14	08/10/20	12/10/20	3d
16	Submit 100% concept design package to city	15	12/10/20	12/10/20	0
17	**STAGE 2 - DETAILED DESIGN**		**13/10/20**	**03/11/20**	**16d**
18	Progress detail design to 50%	16	13/10/20	14/10/20	2d
19	Internal review of 50% detail design	18	15/10/20	15/10/20	1d
20	Progress detail design to 90%	19	16/10/20	20/10/20	3d
21	Submit to engineer for review	20	20/10/20	20/10/20	0
22	Engineer review period	21	21/10/20	23/10/20	3d
23	Internal review of 90% detail design	20	21/10/20	21/10/20	1d
24	Progress detail design to 95%	23	22/10/20	22/10/20	1d
25	Submit 95% detail design documentation to City for review	24	22/10/20	22/10/20	0
26	Submit 95% detail design to engineer for signoff	24	22/10/20	22/10/20	0
27	City review period	25	23/10/20	29/10/20	1w
28	Progress detail design to 100%	27	30/10/20	03/11/20	3d
29	Submit 100% detail design to City	28	03/11/20	03/11/20	0
30	**STAGE 3 - PROCUREMENT AND CONSTRUCTION**		**06/11/20**	**16/12/20**	**29d**
31	Site Establishment & Site fencing	28FS +2d	06/11/20	06/11/20	1d
32	Forward works set out (Surveyor)	31	09/11/20	09/11/20	1d
33	Mobilisation of equipment	32	10/11/20	10/11/20	1d
34	Procurement and Delivery of materials	33	11/11/20	12/11/20	2d
35	Procurement and Delivery of materials		11/11/20	12/11/20	2d
36	**Construction Pump Track**		12/11/20	16/12/20	24d
37	Commencement of Construction	34	12/11/20	12/11/20	0
38	**Phase 1 - Site Works**		13/11/20	20/11/20	6d
39	Demolition & Bulk Earthworks	37	13/11/20	19/11/20	1w
40	Site Works & Services	37	13/11/20	17/11/20	3d
41	Delivery of drainage materials	40	18/11/20	18/11/20	1d
42	Drainage Installation	41	19/11/20	20/11/20	2d
43	**Phase 2 - Pump Track Build**		17/11/20	09/12/20	17d
44	Delivery of materials	37FS +2d	17/11/20	17/11/20	1d
45	Base Course Instalation	44	18/11/20	01/12/20	10d
46	Designer Inspection & Testing	45	02/12/20	02/12/20	1d
47	Modifications	46FS -1d	02/12/20	02/12/20	1d
48	Primer Installation	47	03/12/20	03/12/20	1d
49	Asphalt Installation	48	04/12/20	08/12/20	3d
50	Designer Inspection	49	09/12/20	09/12/20	1d
51	**Phase 3 - Landscaping**		02/12/20	16/12/20	11d
52	Setout and Install Concrete & Walls	45	02/12/20	08/12/20	1w
53	Install Softworks, Signage & Artwork	49	09/12/20	11/12/20	3d
54	Install Bollards & Turf Cell 7 Mulch	50	10/12/20	10/12/20	1d
55	Install Lighting	50	10/12/20	14/12/20	3d
56	Setout, Spread Topsoil & Install Turf	55	15/12/20	16/12/20	2d
57	**Practical Completion**	49	17/12/20	17/12/20	1d
58	**Client practical completion inspection**	**56**	**17/12/20**	**17/12/20**	**1d**
59	**STAGE 5 - ESTABLISHMENT & DEFECTS LIABILITY PERIOD**	**58**	**18/12/20**	**17/06/21**	**130d**
60	**Start of 26 Week Maintenance Period & Defects Liability Period**		18/12/20	17/06/21	26w



Referees

COMMON GROUND

Our referees, named below, will confirm our strengths include our willingness to work together to achieve and promote positive outcomes for pump track projects. We will always aim to exceed client expectations to get the right result. We ensure a methodical and logical approach to stakeholder consultation and community engagement. We have found this enables our clients to successfully achieve their project objectives.

PUMP TACK PROJECTS	REFEREES

Hammon Park Pump Track - Creswick Victoria

Alison Breach
Project Manager - Creswick Trails
Hepburn Shire Council
Telephone: 0428 183 930
Email address: abreach@hepburn.vic.gov.au
Value: $250k

Kingsley Pump Track

James Gilbert
Youth Outreach Worker
City of Joondalup
Telephone: 0409 885 814
Email address: james.Gilbert@joondalup.wa.gov.au
Value: $160k

Dwellingup Pump Track

Darko Bertram
Position: Project Manager
Organisation: Shire of Dwellingup
Telephone: 08 9531 7741
Email address: dpe@murray.wa.gov.au
Value: $300k