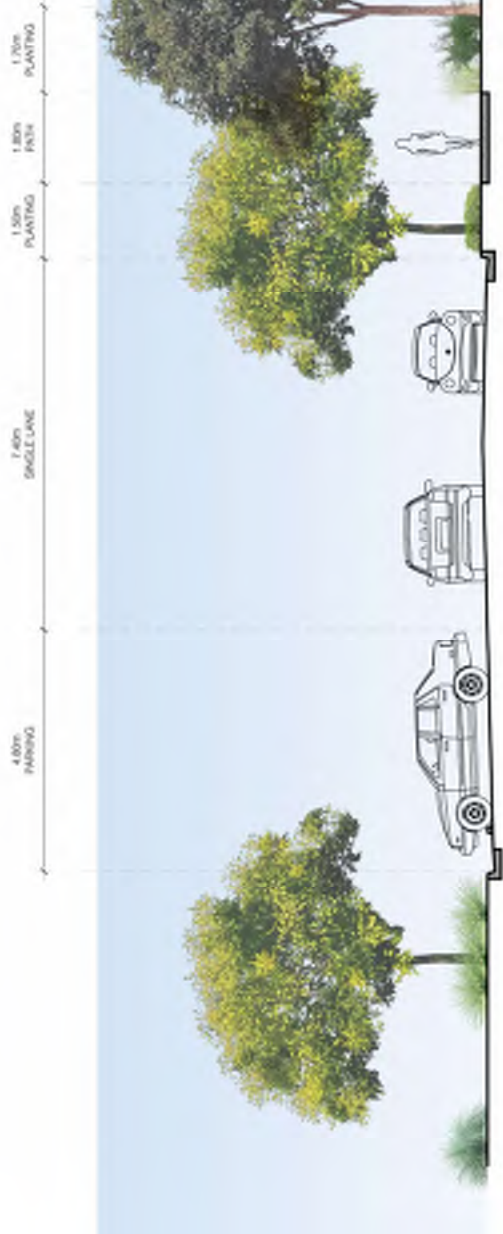
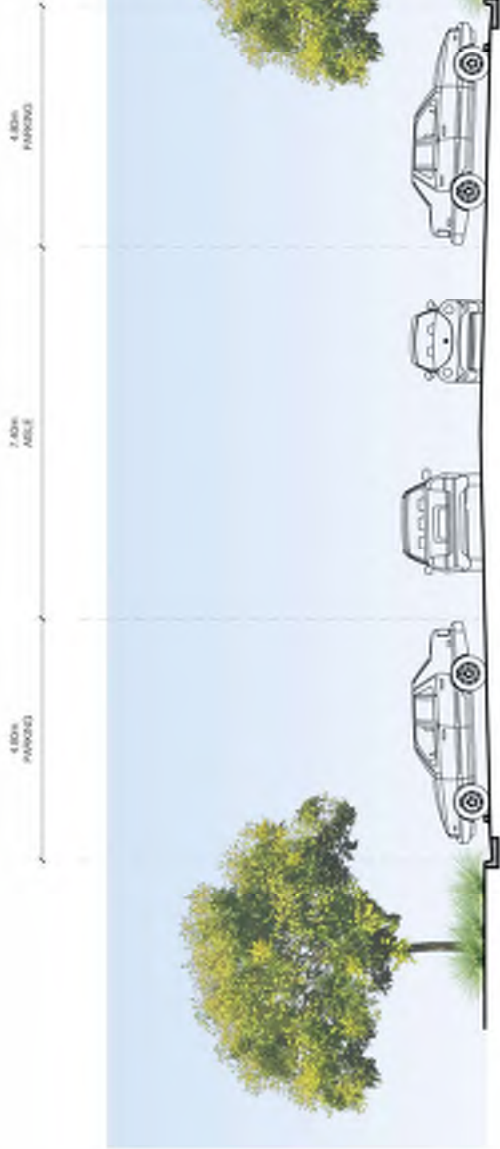


TYPICAL CAR PARK SECTIONS



TYPICAL ON STREET PARKING MODULE TYPE A



TYPICAL OFF STREET PARKING MODULE TYPE B



SCALE AS SHOWN (B1)
DRAWING DC-19 (C)
PROJECT 19009
DATE 26-05-2022

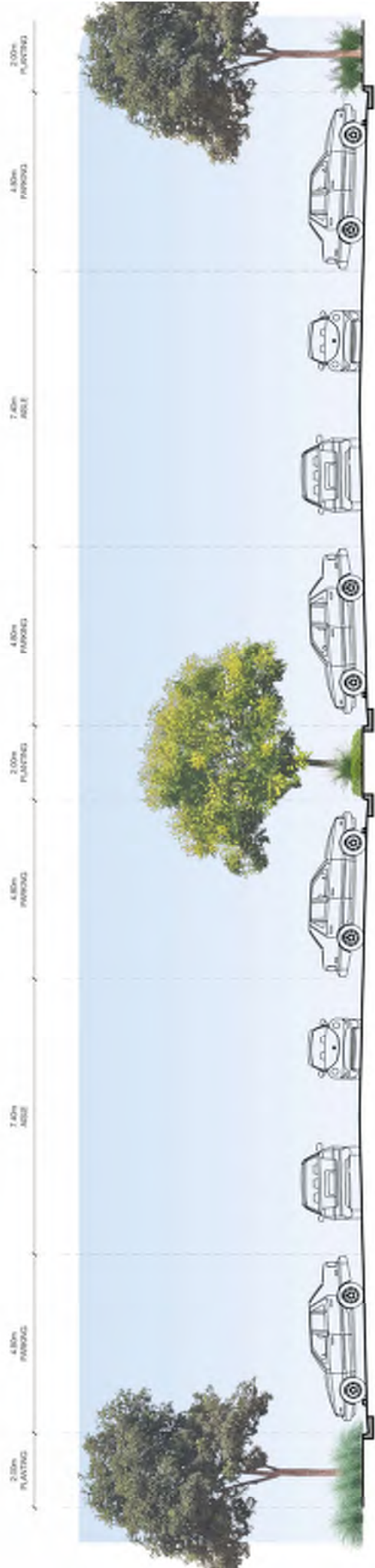
CLIENT:
TOOWOOMBA REGION

CONSULTANTS:
GHD

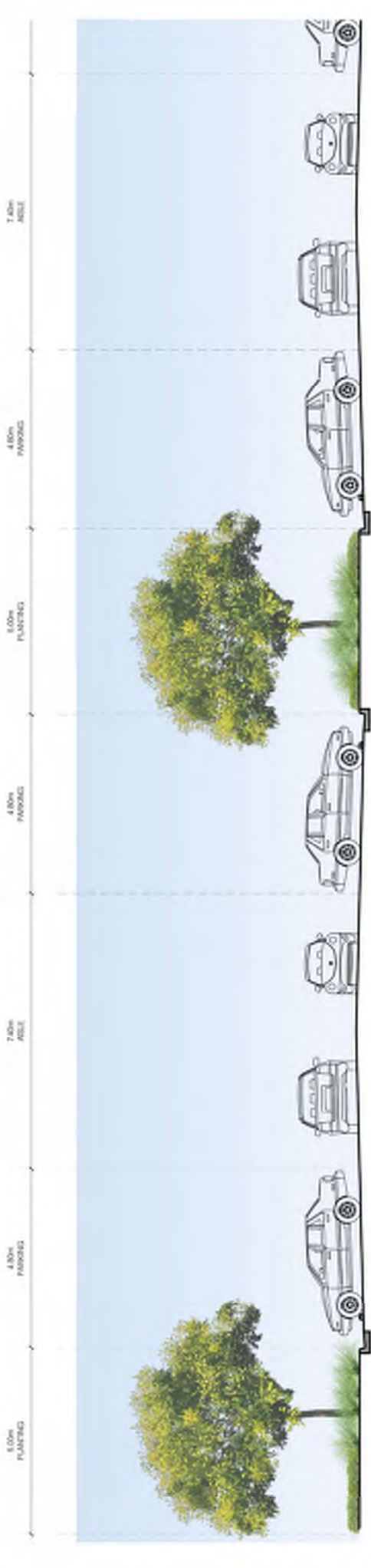
LEAD CONSULTANT:
OTUM SPORT + LEISURE

Open Architecture studio

TYPICAL CAR PARK SECTIONS



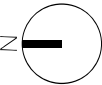
TYPICAL OFF STREET PARKING MODULE TYPE C



TYPICAL OFF STREET PARKING MODULE TYPE D

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SCALE AS SHOWN (M)
DRAWING DC-20 (C)
PROJECT 19009
DATE 26-05-2022

CLIENT:
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CONSULTANTS:

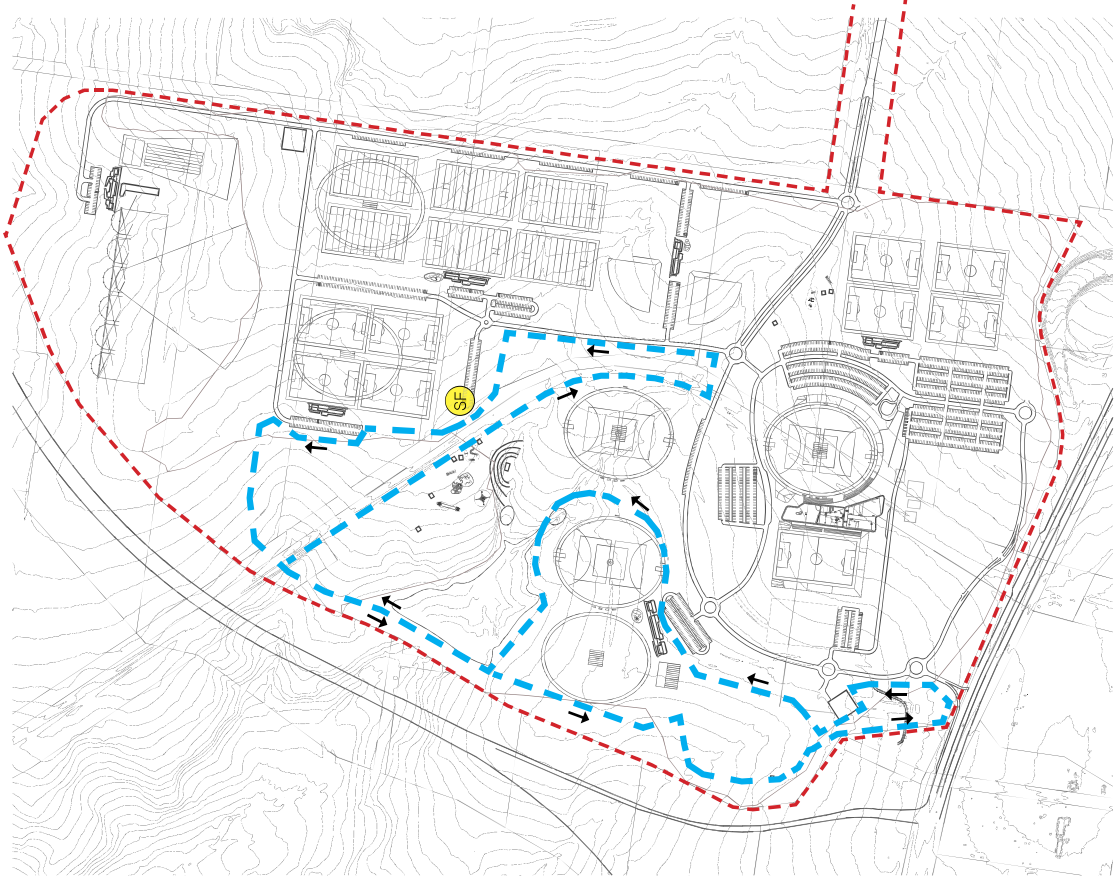


LEAD CONSULTANT:
OTUM SPORT + LEISURE
Architecture studio

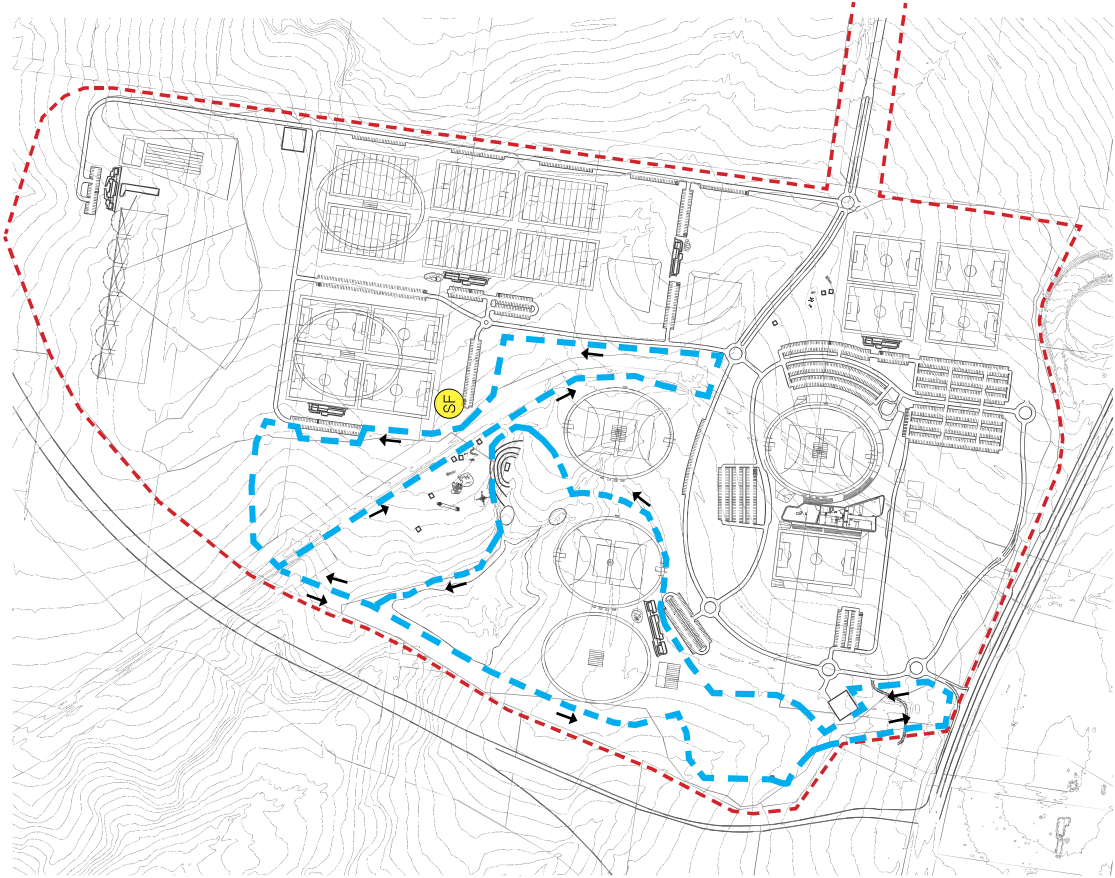
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5KM PARK RUN OPTIONS

- PARK RUN ROUTE
- SF START & FINISH LOCATION (PARKING CLOSE BY)

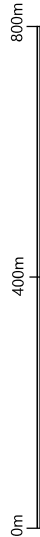


OPTION 01

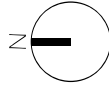


OPTION 02

SCALE
1:4000 @ A1
1:8000 @ A3



LEGEND
--- Site Boundary



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SCALE AS SHOWN @ A1
 DRAWING DC-21 (0)
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 CONSULTANTS: **GHD**

LEAD CONSULTANT: **OTUM SPORT LESLIE**
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PLANT SCHEDULE - STREET TREES

ROAD TYPE A

Botanical Name	Common Name	Native/ Exotic
STREET TREES - ROAD TYPE A		
Agathis robusta	Kauri Pine	N
Araucaria cunninghamii	Hoop Pine	N
Brachychiton populneus	Brush Box	N
Lophostemon confertus	Bull Bay Magnolia	N
Magnolia grandiflora	Tupelo	E
Nyssa sylvatica	Opuntia	E
Pyrus betulaeifolia 'Southworth Dancer'	Ornamental Pear - Southworth Dancer	E
Quercus palustris	Pin Oak	E
Quercus robur	English Oak	E
Quercus rubra	Red Oak	E
Ulmus parvifolia	Chinese Elm	E

ROAD TYPE B

TO CREATE A CONTINUATION OF THE AVENUE INTO A BOULEVARD WITH A CENTRAL ROW OF TREES, THAT ANNOUNCES THAT "YOU HAVE ARRIVED"

Botanical Name	Common Name	Native/ Exotic
STREET TREES - ROAD TYPE B		
Acacia pendula	Weeping Myall	N
Acer buergerianum	Tritent Maple	E
Araucaria cunninghamii	Hoop Pine	N
Brachychiton populneus	Ivory Curl Tree	N
Cupaniopsis anacardioides	Blue Berry Ash	N
Elaeocarpus reticulatus	Willow	N
Geijera parviflora	Cropea Myrtle	E
Lagostroemia indica	Brush Box	N
Lophostemon confertus	Tupelo	E
Nyssa sylvatica	Pistachio	E
Pinus chinensis	Purple Plum	E
Pinus densata	Pyrus Redspire	E
Pyrus nivalis	Pyrus Nivalis	E
Quercus coccinea	Red Cedar	N
Ulmus parvifolia	Chinese Elm	E

ROAD TYPE C

TO CREATE A LESS FORMAL AVENUE OF SHADE TREES THAT DEFINE THE ROAD, ON STREET PARKING AND PROVIDE COMFORT FOR PEDESTRIAN AND CYCLE USERS

Botanical Name	Common Name	Native/ Exotic
STREET TREES - ROAD TYPE C		
Acer buergerianum	Tritent Maple	E
Brachychiton populneus	Ivory Curl Tree	N
Callistemon salignus	Willow Bottlebrush	N
Callistemon viminalis	Weeping Bottlebrush	N
Geijera parviflora	Willow	N
Lagostroemia indica	Cropea Myrtle	E
Magnolia grandiflora	Bull Bay Magnolia	E
Nyssa sylvatica	Tupelo	E
Pinus chinensis	Pistachio	E
Pinus densata	Purple Plum	E
Pyrus Redspire	Pyrus Redspire	E
Pyrus nivalis	Pyrus Nivalis	E
Ulmus parvifolia	Chinese Elm	E

ROAD TYPE D

TO CREATE A SHADY AVENUE OF TREES THAT CAN BLEND WITH ADJOINING SCREEN BUFFER PLANTING

Botanical Name	Common Name	Native/ Exotic
STREET TREES - ROAD TYPE D		
Brachychiton australis	Broad Leaved Bottle Tree	N
Brachychiton bidwillii	Dwarf Red Bottle Tree	N
Brachychiton discolor	Leuca Bark Tree	N
Brachychiton populneus	Black Kurrajong Tree	N
Buckinghamia celissima	Ivory Curl Tree	N
Callistemon salignus	Willow Bottlebrush	N
Callistemon viminalis	Weeping Bottlebrush	N
Casuarina cunninghamiana	River She-oak	N
Cupaniopsis anacardioides	Tucker	N
Eucalyptus argophloea	Scrub Tuckeroo	N
Ficus hillei	Chinchilla White Gum (Not near Paths)	N
Ficus rubiginosa	Hill's Fig (Not near Paths and Roads)	N
Geijera parviflora	Scrub Fig (Not near Paths and Roads)	N
Lophostemon confertus	Willow	N
Ulmus parvifolia	Brush Box	N

ROAD TYPE E

TO CREATE AN INFORMAL GROUPING OF BUSH STYLE TREE PLANTINGS THAT BLEND WITH ADJACENT SCREEN PLANTING

Botanical Name	Common Name	Native/ Exotic
STREET TREES - ROAD TYPE E		
Brachychiton australis	Broad Leaved Bottle Tree	N
Brachychiton bidwillii	Dwarf Red Bottle Tree	N
Brachychiton discolor	Leuca Bark Tree	N
Buckinghamia celissima	Ivory Curl Tree	N
Callistemon salignus	Willow Bottlebrush	N
Callistemon viminalis	Weeping Bottlebrush	N
Corymbia citrifolia	Spotted Gum	N
Cupaniopsis anacardioides	Tucker	N
Fremontia mitchellii	False Sandalwood	N
Eucalyptus melliodora	Yellow Box	N
Eucalyptus sideroxylon	Red Ironbark	N
Eucalyptus tereticornis	Forest Red Gum	N
Geijera robusta	Silky Oak	N
Lophostemon confertus	Brush Box	N
Pinus ciliata	Red Cedar	N
Xanthostemon chrysanthus	Golden Penda	N

ROAD TYPE F

TO OFFER A VIBRANT AVENUE OF TREES AS AN ENTRY TO THE PREMIER HUB THAT HELP TO DEFINE THE ROAD WITHIN A BROADER AREA OF CAR PARKING

Botanical Name	Common Name	Native/ Exotic
STREET TREES - ROAD TYPE F		
Acer buergerianum	Tritent Maple	E
Agathis robusta	Kauri Pine	N
Araucaria cunninghamii	Hoop Pine	N
Araucaria heterophylla	Norfolk Island Pine	N
Cupaniopsis anacardioides	Tucker	N
Lagostroemia indica	Cropea Myrtle	E
Lophostemon confertus	Brush Box	N
Nyssa sylvatica	Tupelo	E
Pinus chinensis	Pistachio	E
Pinus densata	Purple Plum	E
Pyrus Redspire	Pyrus Redspire	E
Pyrus nivalis	Pyrus Nivalis	E
Rhododaphne rhodantha	Deep Yellow Wood	N
Stenocarpus sinuatus	Fire Wheel Tree	N
Ulmus parvifolia	Chinese Elm	E



Araucaria cunninghamia



Lophostemon confertus



Callistemon viminalis



Cupaniopsis anacardioides



Stenocarpus sinuatus



Agathis robusta



Eucalyptus tereticornis



Xanthostemon chrysanthus

TOOWOOMBA REGION SPORTS PRECINCT

2020 MASTER PLAN

PO BOX 1640, Buddina, QLD 4575

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CONSULTANTS: GHD

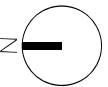
LEAD CONSULTANT: OPEN ARCHITECTURE studio

SCALE: AS SHOWN @ 1:1000

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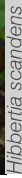
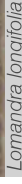
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Botanical Name	Common Name	Native/Exotic
TREES		
<i>Agave flexuosa</i>	Weeping Peppermint	N
<i>Albizia leonensis</i>	Thready-barked She-oak	N
<i>Allocasuarina littoralis</i>	Black She-oak	N
<i>Allocasuarina luernsmithii</i>	Bull Oak	N
<i>Allocasuarina torulosa</i>	Forest She-oak	N
<i>Avicennia cunninghamii</i>	Hoop Pine	N
<i>Aurantiacaea rhombifolia</i>	Golden Hollywood	N
<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	N
<i>Brachychiton australis</i>	Broad Leaved Bottle Tree	N
<i>Brachychiton bidwillii</i>	Dwarf Red Bottle Tree	N
<i>Brachychiton discolor</i>	Lace Bark Tree	N
<i>Callitris baleyii</i>	Bailey's Cypress Pine	N
<i>Callitris glaucochylla</i>	White Cypress	N
<i>Casuarina cunninghamiana</i>	River She-oak	N
<i>Cupanopsis anacardioides</i>	Tuckeroo	N
<i>Cupanopsis parvifolia</i>	Scrub Tuckeroo	N
<i>Eucalyptus argophylla</i>	Chinchilla White Gum	N
<i>Eucalyptus bakeri</i>	Baker's Mallee	N
<i>Eucalyptus calycogona</i>	Red Mallee	N
<i>Eucalyptus meliodora</i>	Yellow Box	N
<i>Eucalyptus organophylla</i>	Mountain Coolibah	N
<i>Ficus macrophylla</i>	Moreton Bay Fig	N
<i>Ficus rubiginosa</i>	Scrub Fig	N
<i>Flindersia australis</i>	Crows Ash	N
<i>Flindersia vanilloxylla</i>	Yellow Wood	N
<i>Gelliera parviflora</i>	Wilga	N
<i>Gelliera salicifolia</i>	Brush Wilga	N
<i>Grevillea robusta</i>	Silky Oak	N
<i>Harpulia pendula</i>	Tullwood	N
<i>Lophospermum confertus</i>	Brush Box	N
<i>Melaleuca quercina</i>	Oakey Bottlebrush	N
<i>Platanus argusifolium</i>	Gummy Gumby	N
<i>Platanus moribolium</i>	Diamond Leaf Pittosporum	N
<i>Proscoparia rhodanthema</i>	Deep Yellow Wood	N
<i>Trochodendron</i>	Chinese Tallow Tree	E

Botanical Name	Common Name	Native Exotic
SHRUBS		
<i>Acronia smithii</i> 'Allyn Magic'	Lily Pilly	N
<i>Albizia nummularia</i>	Old Man Saltbush	N
<i>Baccharis virgata</i>	Twiggy Heath Myrtle	E
<i>Banksia spinulosa</i>	Golden Candlesticks	N
<i>Callistemon 'Little John'</i>	Little John Callistemon	N
<i>Callistemon 'Captain Cook'</i>	Captain Cook Callistemon	N
<i>Corylinia rubra</i>	Red-Fruited Palm Lily	N
<i>Dodonaea triquetra</i>	Native Hop	N
<i>Dodonaea excelsa</i>	Gymea Lily	N
<i>Doryanthes palmeri</i>	Giant Spear Lily	N
<i>Eremophila bignoniiflora</i>	Dogwood	N
<i>Eremophila mitchellii</i>	False Sandalwood	N
<i>Grevillea 'Honey Gem'</i>	Honey Gem Grevillea	N
<i>Grevillea 'Superb'</i>	Superb Grevillea	N
<i>Meibomia lanifolia</i>	Snow In Summer	N
<i>Meibomia australis</i>	Brush Cherry	N
<i>Syzygium 'Cascade'</i>	Cascade Syzygium	N
<i>Syzygium 'Tiny Tree'</i>	Tiny Tree	N
<i>Syzygium 'Resilience'</i>	Resilience	N
GRASSING COVERS / CREEPERS		
<i>Carex appressa</i>	Tall Sedge	N
<i>Casuarina parvica</i> 'Cushil II'	Cousin II	N
<i>Cinnum pedunculatum</i>	Swamp Lily	N
<i>Dianella caerulea</i>	Flax Lily	N
<i>Eremophila debilis</i>	Winter Apple	N
<i>Hibbertia scandens</i>	Twining Gumee Flower	N
<i>Lomandra 'Evergreen Baby'</i>	Evergreen Baby	N
<i>Lomandra longifolia</i>	Spiny-headed Matrush	N
<i>Lomandra 'Shara'</i>	Shara Matrush	N
<i>Trachospermum jasminoides</i>	Chinese Star Jasmine	E
<i>Trachospermum tricolor</i>	Variegated Chinese Star Jasmine	E
<i>Tillandsia</i>	Society Garlic	E

Botanical Name	Common Name	Native/Exotic
FEATURE TREES		
<i>Agave robusta</i>	Kauri Pine	N
<i>Albizia curninghamii</i>	Hoop Pine	N
<i>Alcornoquea heterophylla</i>	Norfolk Island Pine	N
<i>Brachonia acerifolia</i>	Illawarra Flame Tree	N
<i>Brachychiton rupestris</i>	Queensland Bottle Tree	N
<i>Eucalyptus argophloea</i>	Chinchilla White Gum	N
<i>Eucalyptus argophloea</i>	Mountain Coolbarr	N
<i>Geliera saicicola</i>	Bush Wilga	N
<i>Magnolia grandiflora</i>	Bull Bay Magnolia	E
<i>Psittacia chinensis</i>	Pistachio	E
<i>Quercus acutissima</i>	Sawtooth Oak	E
<i>Quercus dentata</i>	Korean Oak	E
<i>Quercus robur</i>	English Oak	E
<i>Quercus rubra</i>	Red Oak	E

Botanical Name	Common Name
WET AND FRINGE PLANTING	
TREES ON BANKS	
<i>Casuarina cunninghamiana</i>	River She-oak
<i>Casuarina glauca</i>	Swamp She-oak
<i>Ficus rubiginosa</i>	Scrub Fig
<i>Lophostemon suaveolens</i>	Swamp Box
<i>Melaleuca viridatis</i>	Weeping Bottlebrush
SHRUBS ON BANKS	
<i>Banksia robur</i>	Swamp Banksia
<i>Blechnum</i> spp.	Water Ferns
<i>Corythaeus rubra</i>	Red-fruited Palm Lily
<i>Grevillea</i> sp	All Cultivars
<i>Hovea acutifolia</i>	Hovea
WET AND FRINGE PLANTING	
GROUNDCOVERS / GRASSES / CREEPERS ON BANKS	
<i>Carex appressa</i>	Tall Sedge
<i>Cissus antarctica</i>	Water Vine
<i>Dianella caerulea</i>	Flax Lily
<i>Ficinia cernua</i>	Nodding Club Rush
<i>Ficinia nodosa</i>	Knobby Club Rush
<i>Gahnia aspera</i>	Saw Sedge
<i>Gahnia sieberiana</i>	Red-fruit Saw Sedge
<i>Hibbertia scandens</i>	Twining Guinea Flower
<i>Lomandra hostia</i>	Creek Mak-tush
<i>Lomandra longifolia</i>	Mak-tush
<i>Trachospermum lasiocarpum</i>	Chinese Star-Jasmine
<i>Trachospermum tricolor</i>	Variegated Chinese Star-Jasmine




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DATE: 26-05-2022

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MATERIALS & FINISHES PALETTE

SHELTERS



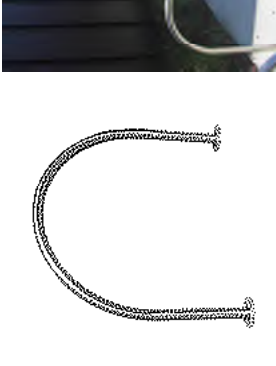
PUBLIC AMENITIES



OUTDOOR GYM



BIKE RACKS



BENCHES



BBQ



BINS



WATER REFILL STATION



OUTDOOR GYM



BOLLARDS & VEHICLE BARRIERS



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PROJECT: 19009
DATE: 26-05-2022

CLIENT: **TOOWOOMBA REGION**
CONSULTANTS: **GHD**

LEAD CONSULTANT: **OPEN ARCHITECTURE studio**

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TURF SWALES



PLANTED SWALES



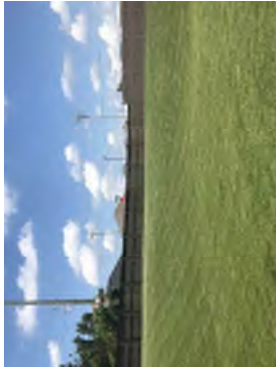
STORMWATER TREATMENT (VEGETATED SEDIMENT POND)



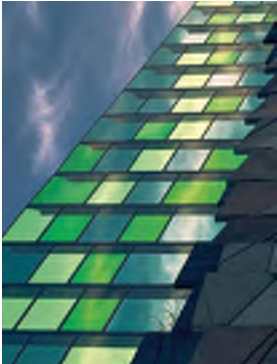
NATURAL AMPHITHEATRE



AMPHITHEATRE STAGE



ACOUSTIC ATTENUATION



SHARED USE PATHS



RECREATION TRAILS

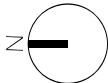


PREMIER HUB PAVING



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LEAD CONSULTANT:
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SIGNAGE AND WAYFINDING MATERIALS & STYLE



RAMMED EARTH STRUCTURES



CORTEN STEEL

HARDWOOD TIMBER



ENTRY SIGNAGE FEATURES



SITE WIDE WAYFINDING



TRAIL & RECREATION WAYFINDING

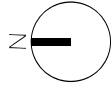


SPORTS FACILITY SIGNAGE



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CONSULTANTS:



LEAD CONSULTANT:
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PLAYGROUND FACILITIES - DISTRICT
TODDLER PLAY SPACE



JUNIOR PLAY SPACE

SLIDE ON MOUND

ADVENTURE PLAY



ALL ABILITIES PLAY



CABLEWAY

NATURE PLAY



PLAYGROUND FACILITIES BRIEF

TYPE	DISTRICT	COMPONENT	SPECIFICATION
		TREES	PLACED ON NORTHERN AND WESTERN SIDE OF PLAYGROUND FOR NATURAL SHADE
		PARK ACTIVITY ENTRY SIGN	POSITIONED IN CLEAR VIEW FOR USERS TO READ
		BICYCLE STANDS	MINIMUM 4 STANDS (8 BIKES)
		SHADE SAILS	OPTIONAL 4 NATURAL SHADE IS PREFERRED. CONSIDER SACRIFICIAL SHADE SAIL TO BE REMOVED ONCE NATURAL SHADE IS ESTABLISHED.
		DRINKING FOUNTAINS	ACCESSIBLE WITH BOTTLE FILLER
		PUBLIC AMENITIES (TOILETS)	PROVIDE MINIMUM OF 4
		PICNIC SHELTERS WITH ELECTRIC BBQ	LOCATE BINS AT EACH SHELTER AND PICNIC TABLE SETTING AT EACH ADDITIONAL BENCH SEATS AROUND PARK.
		BINS & SEATS	MIX OF RUBBER AND TAKURA ENGINEERED MULCH
		SOFT FALL SURFACING	ALL ABILITIES USAGE
		PLAYGROUND EQUIPMENT	SWINGS - TO FACE NORTH-SOUTH
			FIRE POLES
			CAROUSEL
			SLIDES - TO FACE SOUTH
			LARGE PLAY STRUCTURE
			CLIMBING NETS
			DRY CREEK BED (NATURAL WATER PLAY)
			CABLEWAY (FLYING FOX)
			MUSIC & SENSORY PLAY
			NATURAL ELEMENTS
			TUNNELS
			ADVENTURE PLAY EQUIPMENT

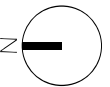
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PLAYGROUND FACILITIES - LOCAL
ALL ABILITIES PLAY



CLIMBING ADVENTURE



SLIDE ON MOUND



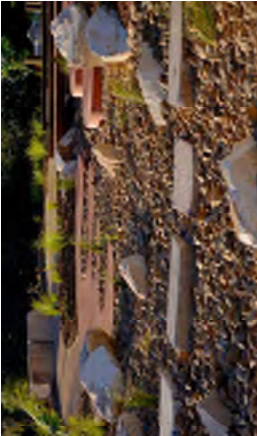
PLAYGROUND FACILITIES - SMALL CLUB FACILITY PLAY SPACE



TODDLER FACILITIES



NATURE PLAY COMPONENTS



PLAYGROUND FACILITIES BRIEF

TYPE	COMPONENT	SPECIFICATION
LOCAL	TREES	PLACED ON NORTHERN AND WESTERN SIDE OF PLAYGROUND FOR NATURAL SHADE
	SAFETY FENCING AND GATES (Where Required)	INSTALLED AROUND PERIMETER OF PLAY SPACE
	PARK ACTIVITY ENTRY SIGN	POSITIONED IN CLEAR VIEW FOR USERS TO READ
	BICYCLE STANDS	CYCLE PARKING AVAILABLE AT SOCCER PRECINCT
	SHADE SAILS	OPTIONAL AS NATURAL SHADE IS PREFERRED, CONSIDER SACRIFICIAL SHADE SAIL TO BE REMOVED ONCE NATURAL SHADE IS ESTABLISHED.
	DRINKING FOUNTAIN	OPTIONAL BUT CLOSE TO SOCCER PRECINCT
	MINIMUM 1x BEN & 2x SEATS	OPTION FOR SHADE STRUCTURE WITH PICNIC TABLE WITH IN FENCED PLAYSPACE. SEAT PAD TO INCLUDE SPACE FOR A WHEELCHAIR / PRAM BESIDE SEAT
	SOFT FALL SURFACING	SAND / BARK / TAKURA ENGINEERED MULCH
	ALL ABILITIES USAGE	SELECTIVE ITEMS TO PROVIDE ALL-ABILITIES
	PLAYGROUND EQUIPMENT	BASKET SWINGS - TO FACE NORTH-SOUTH
		EMBANKMENT SLIDE - TO FACE SOUTH
		SMALL PLAY STRUCTURE
		SMALL CLIMBING NETS / WALLS
		SPINNER / CAROUSEL (ALL-ABILITIES)
		TUNNEL
		BALANCE BEAMS
		NATURAL PLAY ELEMENTS
		SENSOR PLAY / MUSIC PLAY
TYPE	COMPONENT	SPECIFICATION
SMALL CLUB FACILITY PLAY SPACE	TREES	PLACED ON NORTHERN AND WESTERN SIDE OF PLAYGROUND FOR NATURAL SHADE
	SAFETY FENCING AND GATES (Where Required)	INSTALLED AROUND PERIMETER OF PLAY SPACE
	PARK ACTIVITY ENTRY SIGN	POSITIONED IN CLEAR VIEW FOR USERS TO READ
	BICYCLE STANDS	NONE
	SHADE SAILS	OPTIONAL AS NATURAL SHADE IS PREFERRED, CONSIDER SACRIFICIAL SHADE SAIL TO BE REMOVED ONCE NATURAL SHADE IS ESTABLISHED.
	DRINKING FOUNTAIN	NONE
	BENS AND SEATS	NO BEN - BENCH SEAT ONLY ORIENTATED TO ALSO APPROPRIATE ADJACENT SPORT ACTIVITIES
	SOFT FALL SURFACING	SAND / BARK / TAKURA ENGINEERED MULCH
	PLAYGROUND EQUIPMENT	TODDLER SWING - FACING NORTH / SOUTH
		SPRING TOY
		POSSIBLE FOR A SMALL PLAY STRUCTURE
		BALANCE BEAMS
		NATURAL PLAY ELEMENTS

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2020 MASTER PLAN

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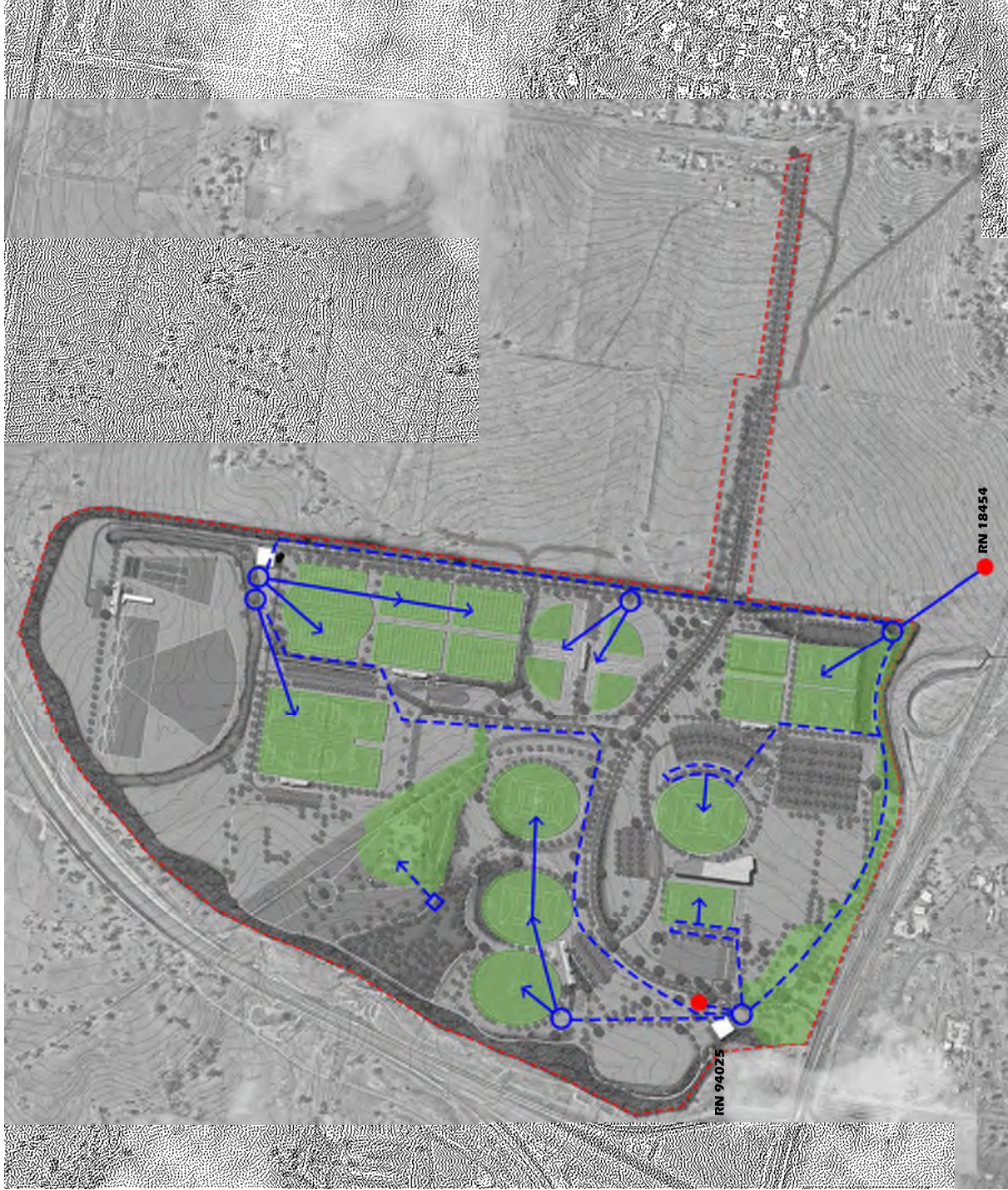
CLIENT: TOOWOOMBA REGION CONSULTANTS: GHD

SCALE: AS SHOWN (8M)
DRAWING DC29 (C)
PROJECT: 19009
DATE: 26-05-2022

LEAD CONSULTANT: OPEN architecture studio

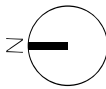
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LEGEND

- BORE (Local Water Aquifer)
- WATER STORAGE (ABOVE GROUND TANK)
- - - MAINLINE/WATER RETICULATION CIRCUIT
- AREAS TO BE IRRIGATED
- ➔ AREAS TO BE IRRIGATED
- - - WATER STORAGE (BELOW GROUND TANK)



SCALE AS SHOWN ON
DRAWING DC32 [Q]
PROJECT 19009
DATE 26-05-2022

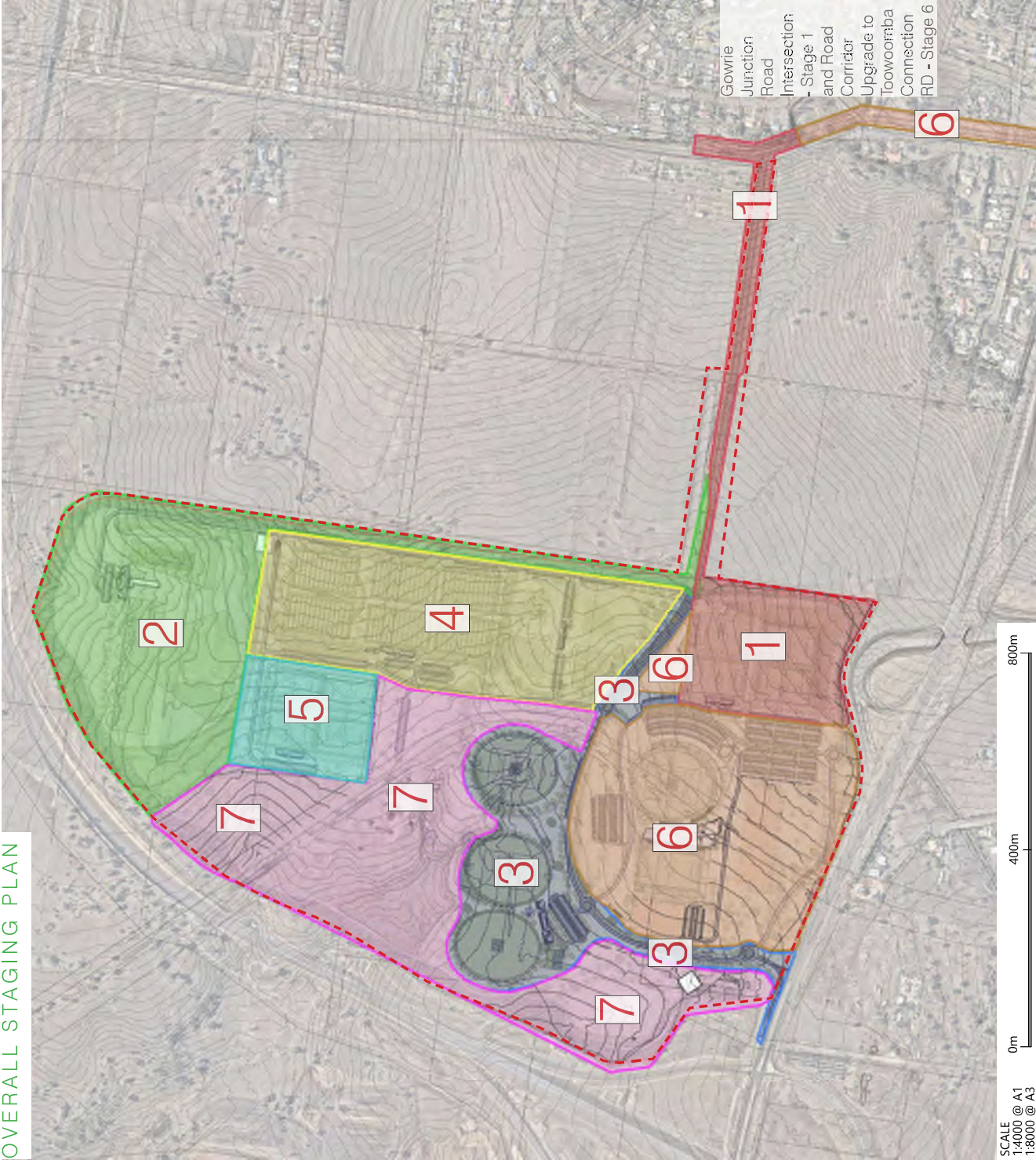




LEGEND

- SEWERAGE PUMPING STATION (SPS)
- — — — — RISING MAIN - MANHOLE AT CHANGE OF DIRECTION
- — — — — EXISTING PRESSURE MAIN
- POTENTIAL CONNECTION OF NEW RISING MAIN TO EXISTING MAIN
- POSSIBLE RISING PIPE TO GRAVITY CONNECTION
- SEWERAGE CONNECTION POINT (TOILETS)
- GRAVITY SEWER MAIN WITH MANHOLE CONNECTIONS
- SEPTIC CONNECTION WITH EFFLUENT DISPOSAL AREA

- Stage 1
Southern rectangular fields, clubhouse, parking, access road boulevard to be south side only leading to Gowrie Junction Road intersection. Existing shooting club and archery to remain.
- Stage 2
Relocation of shooting club and archery, indoor range, shared clubhouse, parking and access road. Construct roundabout and northern side of boulevard road. Provide access to Toowoomba Connection Rd.
- Stage 3
Ovals, practice nets, clubhouse, parking and road access.
- Stage 4
Diamond Fields, rectangular fields, shared fields, clubhouses, parking and access roads.
- Stage 5
Northern rectangular fields, clubhouse and parking.
- Stage 6
Premier Hub, premier oval, premier rectangular field, parking and access roads. Local park and playground north of southern soccer fields and construct north side of boulevard road.
Potential upgrade to Gowrie Junction Road to Toowoomba Connection Road.
Include Entry Parkland, Southern and Northern Setdown areas and overflow parking areas
- Stage 7
District Park and facilities including parking, access, playground and stormwater treatment channels.

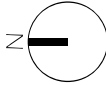


SCALE
1:4000 @ A1
1:8000 @ A3

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SCALE AS SHOWN @ A1
DRAWING DC34 [0]
PROJECT 19009
DATE 26-05-2022

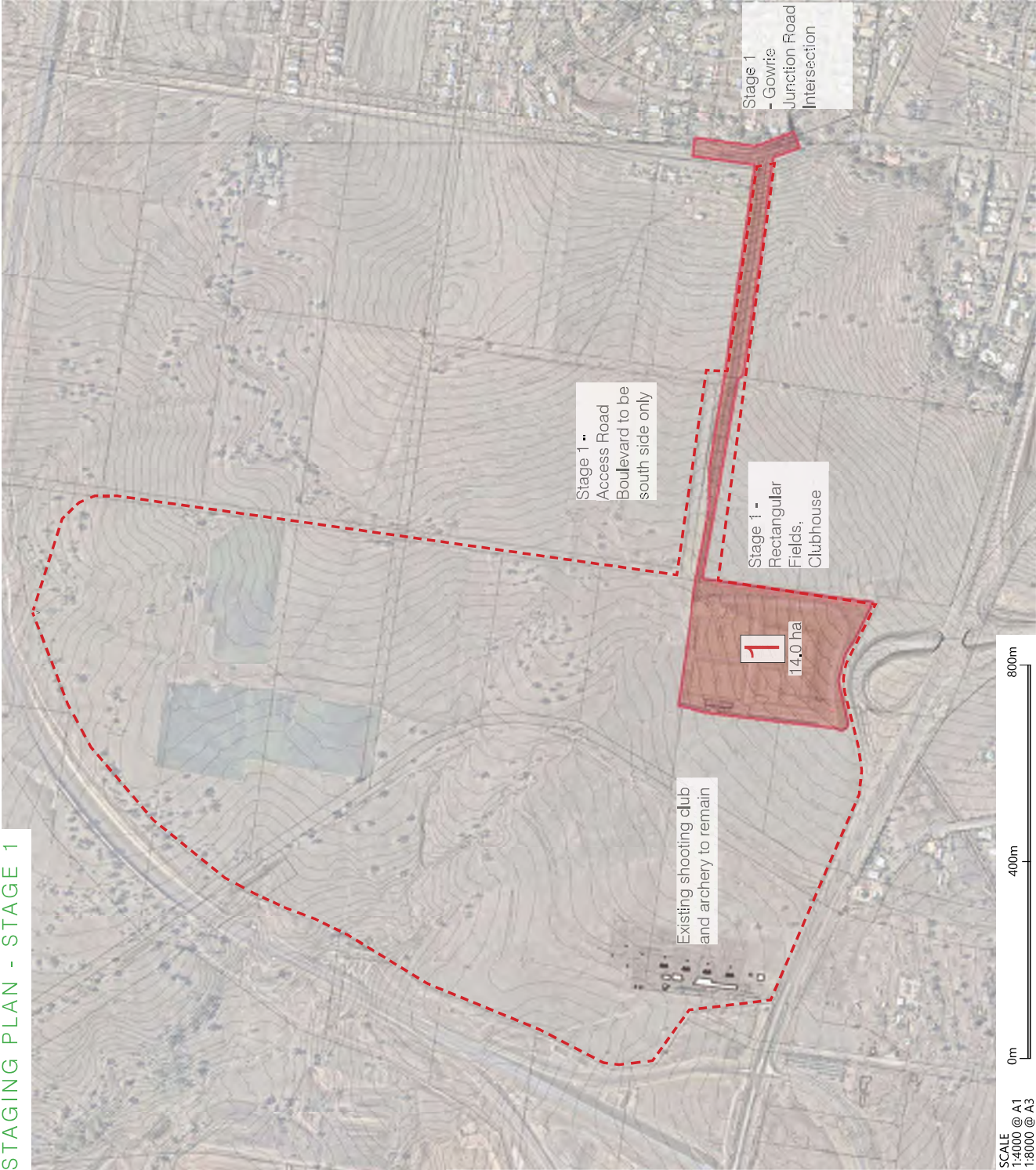
CLIENT:



LEAD CONSULTANT:



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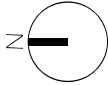


SCALE
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1:8000 @ A3

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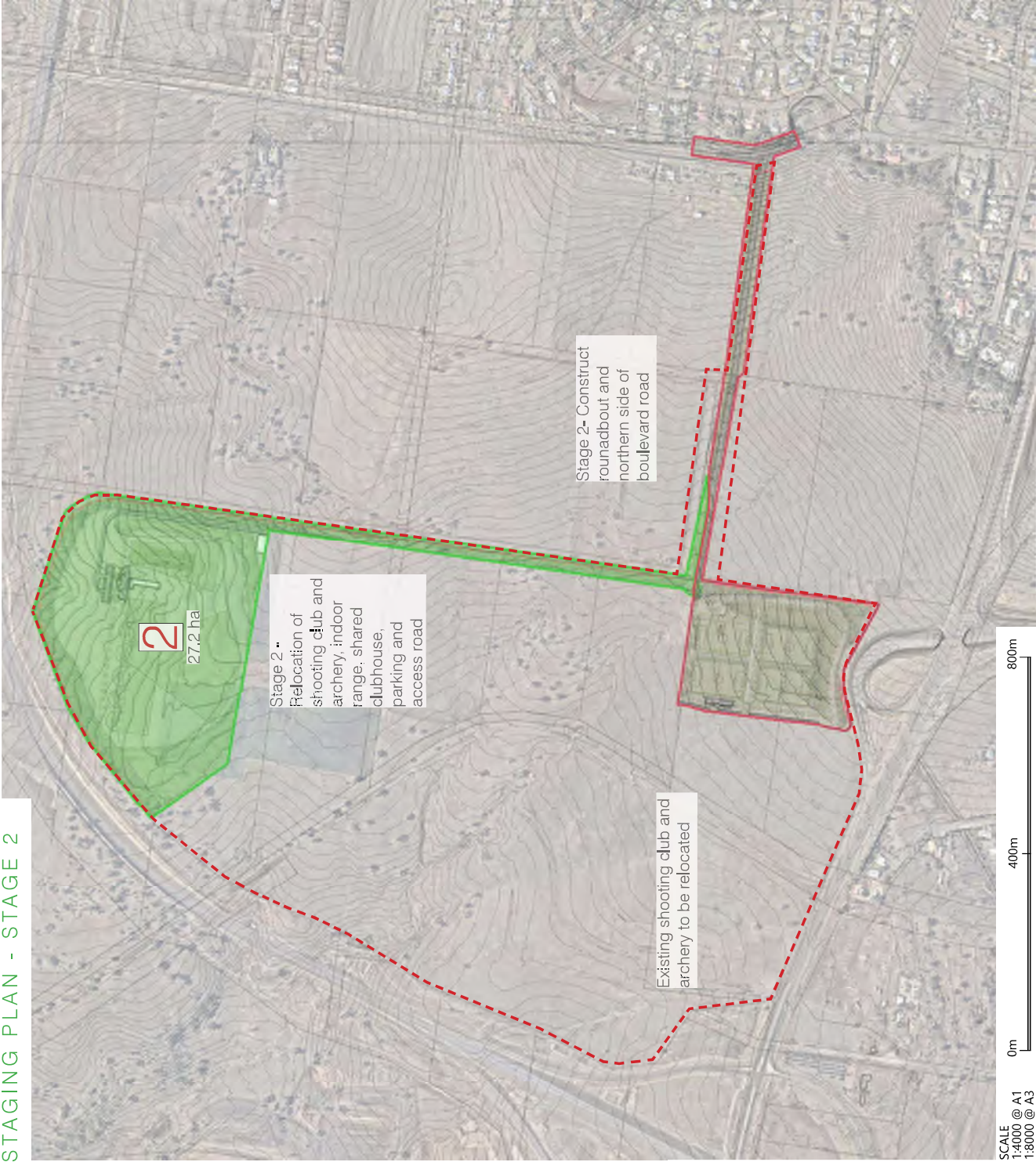
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DRAWING DC35 (D)
PROJECT 19009
DATE 26-05-2022

CLIENT:
TOOWOOMBA
REGION
CONSULTANTS:



LEAD CONSULTANT:



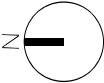


SCALE
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1:8000 @ A3

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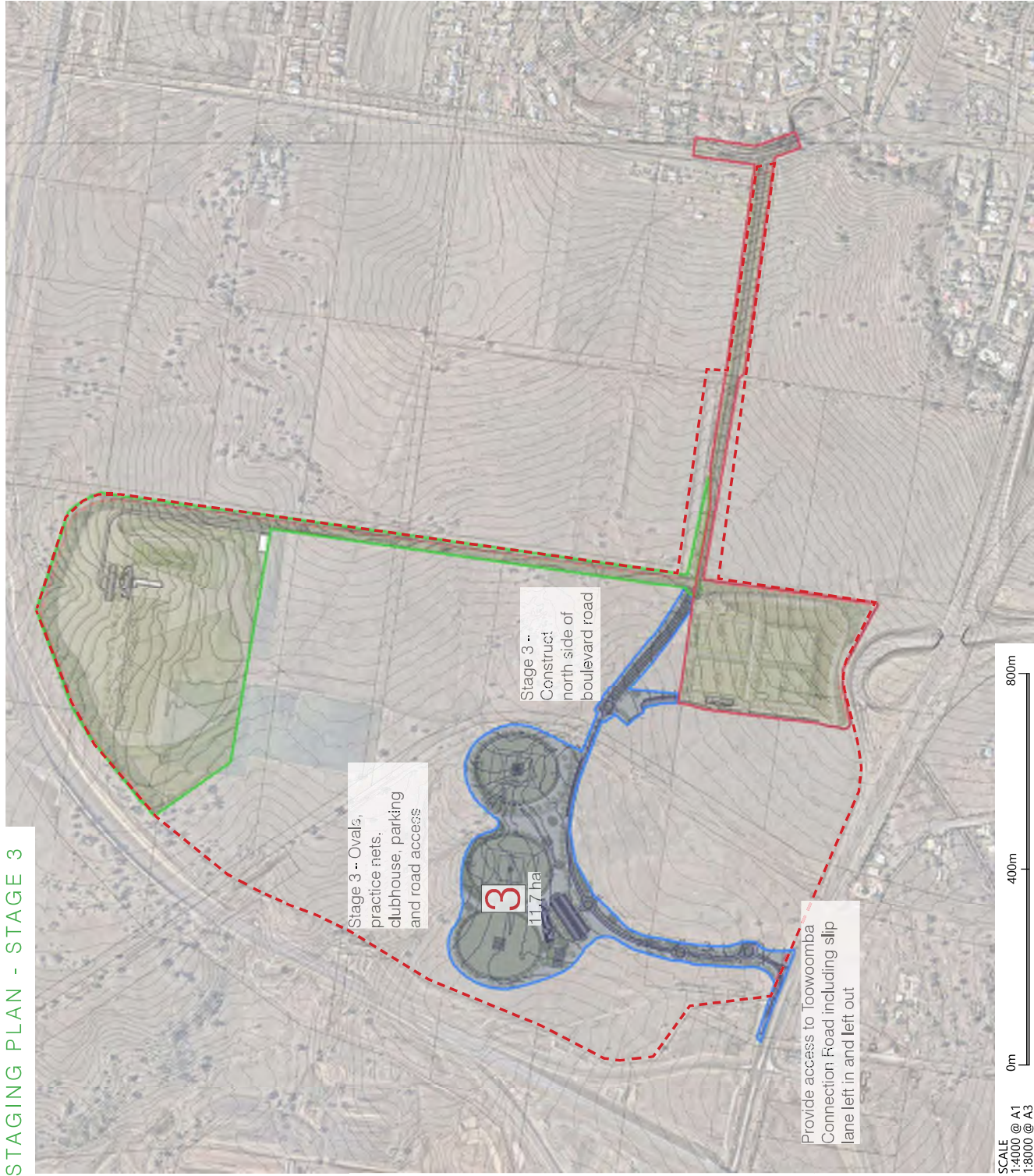


SCALE AS SHOWN @ A1
DRAWING DC-36 [D]
PROJECT 19009
DATE 26-05-2022

CLIENT:
TOOWOOMBA REGION
CONSULTANTS:



LEAD CONSULTANT:
OPEN architecture studio

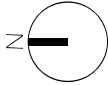


SCALE
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TOOWOOMBA REGION SPORTS PRECINCT

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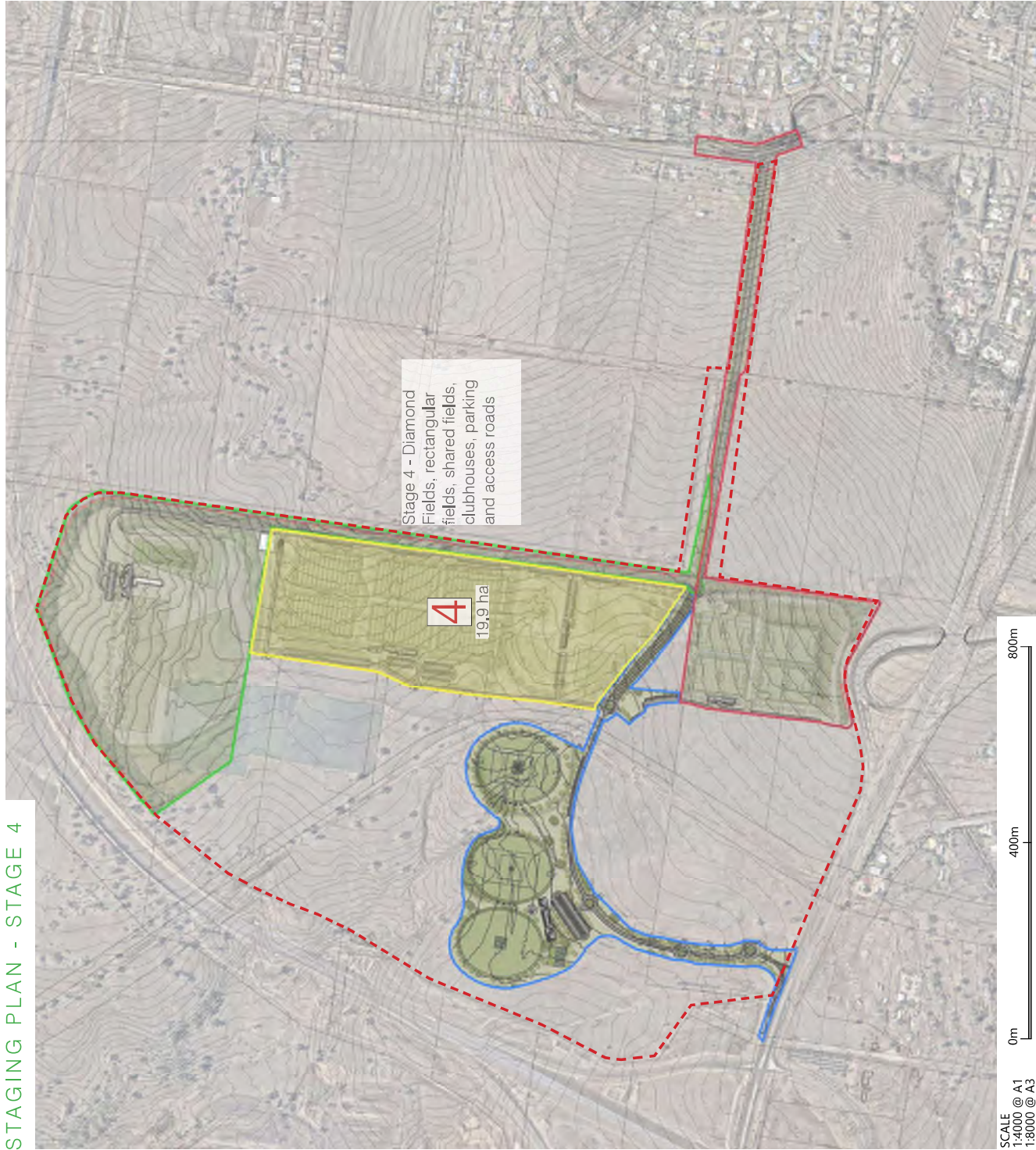
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SCALE AS SHOWN @ A1
DRAWING DC37 (C)
PROJECT 19009
DATE 26-05-2022

CLIENT:
TOOWOOMBA REGION
CONSULTANTS:
GHD

LEAD CONSULTANT:
OTUM SPORT LEISURE
Open Architecture studio

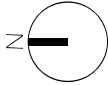


SCALE
1:4000 @ A1
1:8000 @ A3

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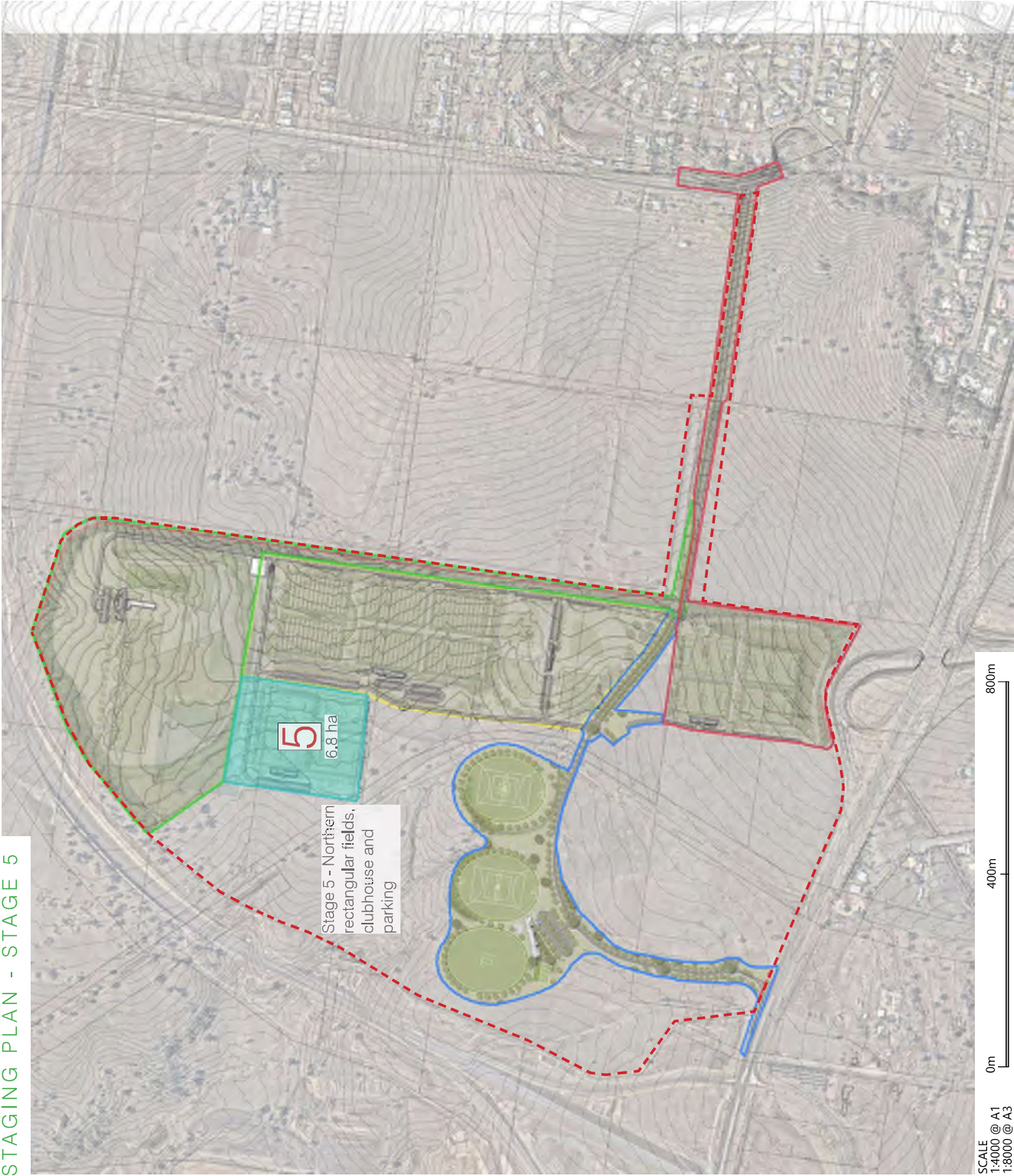
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DRAWING DC-38 (C)
PROJECT 19009
DATE 26-05-2022

CLIENT:



LEAD CONSULTANT:



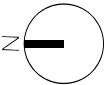


SCALE
1:4000 @ A1
1:8000 @ A3

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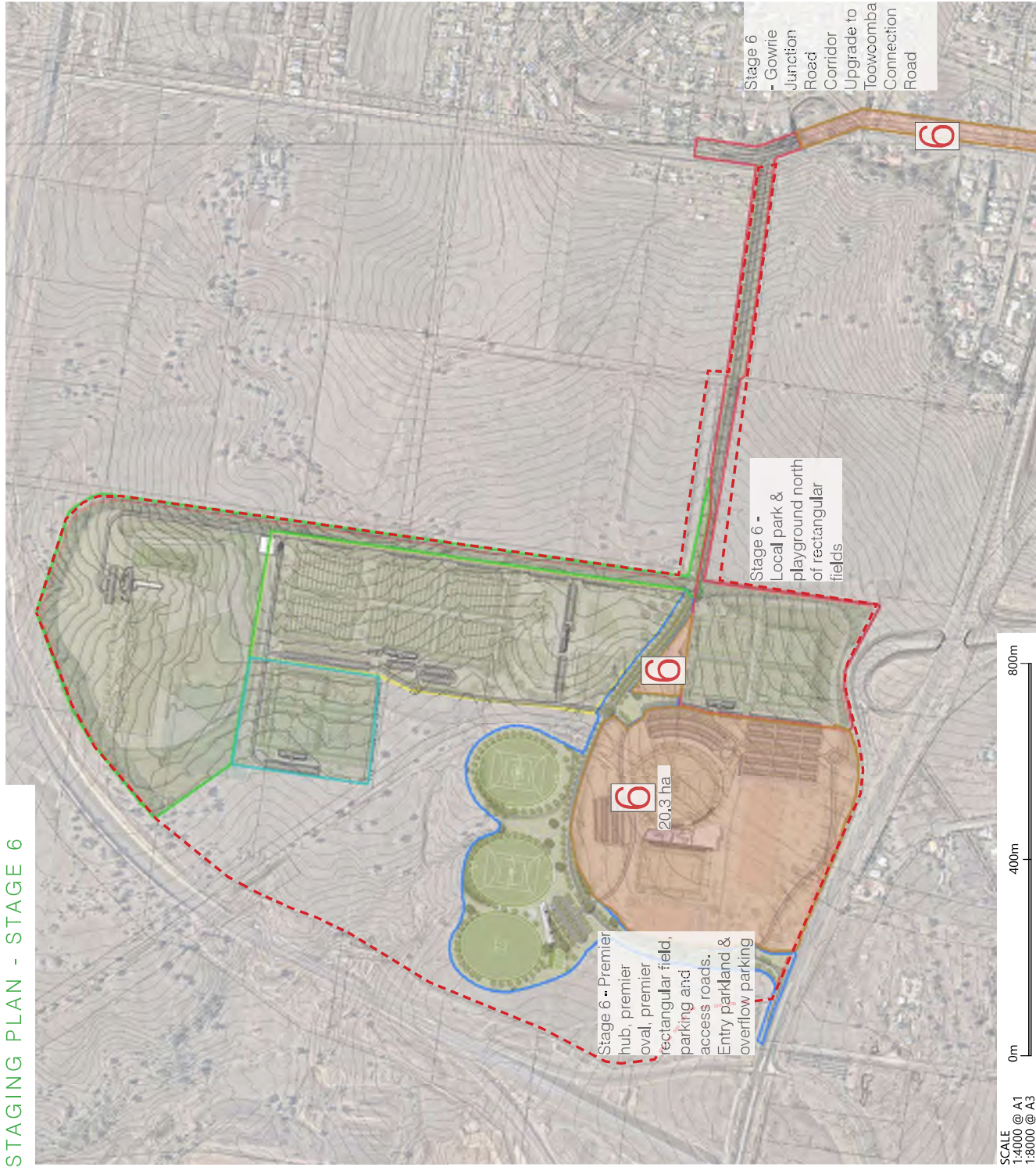
SCALE AS SHOWN @ A1
DRAWING DC39 (C)
PROJECT 19009
DATE 26-05-2022

CLIENT: **TOOWOOMBA REGION**

CONSULTANTS: **GHD**

LEAD CONSULTANT: **OTUM SPORT LEISURE**

Open Architecture studio

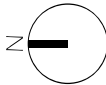


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SCALE AS SHOWN @ A1
DRAWING DC-40 [C]
PROJECT 19009
DATE 26-05-2022

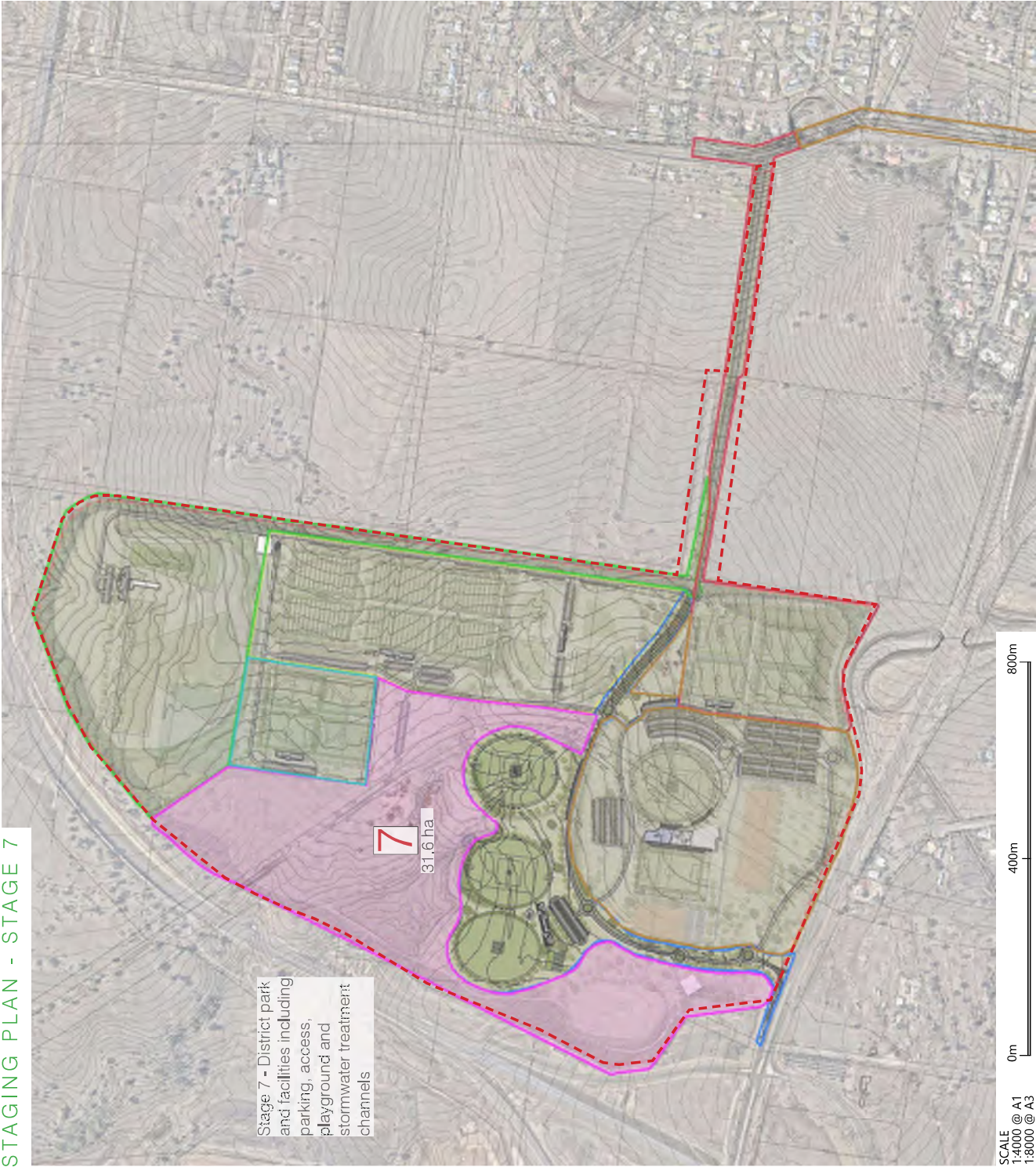


CLIENT: **TOOWOOMBA REGION**

CONSULTANTS: **GHD**

LEAD CONSULTANT: **OTUM** SPORTS LEISURE

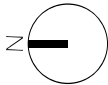
Open Architecture studio



SCALE
1:4000 @ A1
1:8000 @ A3

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SCALE AS SHOWN @ A1
DRAWING DC-41 (C)
PROJECT 19009
DATE 26-05-2022

CLIENT:
TOOWOOMBA REGION
CONSULTANTS:
GHD

LEAD CONSULTANT:
OTUM SPORT & LEISURE
Open architecture studio

STAGE 1 PLAN - WEST

- 1 Rectangular Principal Field
- 2 Rectangular Fields x 3
- 3 Rectangular Field Precinct Clubhouse
- 4 Turf Embankment Max 1:4 Slope
- 5 Car Park - Nom 140 Spaces plus 4 PWD
- 6 Stage 1 of Main Boulevard - South Carriageway only (Two way traffic)
- 7 On-Road Cycle Lane Exit Path to Off-Road Path
- 8 Shared Path
- 9 Improved Dry Creek Channel
- 10 Temporary Overflow Car Park - Nom 60 Spaces
- 11 Drainage Culvert Under New Road
- 12 Existing Pressure Sewer
- 13 Planted Screen Buffers
- 14 Access from Gowrie Junction Road - Joins DC-43
- 15 Shade Tree Planting
- 16 Existing Drainage Lines



SCALE
1:1000 @ A1
1:2000 @ A3

0m 100m 200m

LEGEND
--- Site Boundary

Draft Issue Note:

Levels shown are preliminary design and refinement with earthworks model is to be undertaken. Levels may change in order to balance the earthworks.

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SCALE AS SHOWN (B1)
DRAWING DC-42 (D)
PROJECT 19009
DATE 26-05-2022

CLIENT:
TOOWOOMBA REGION
CONSULTANTS:
GHD

LEAD CONSULTANT:
OPEN ARCHITECTURE STUDIO

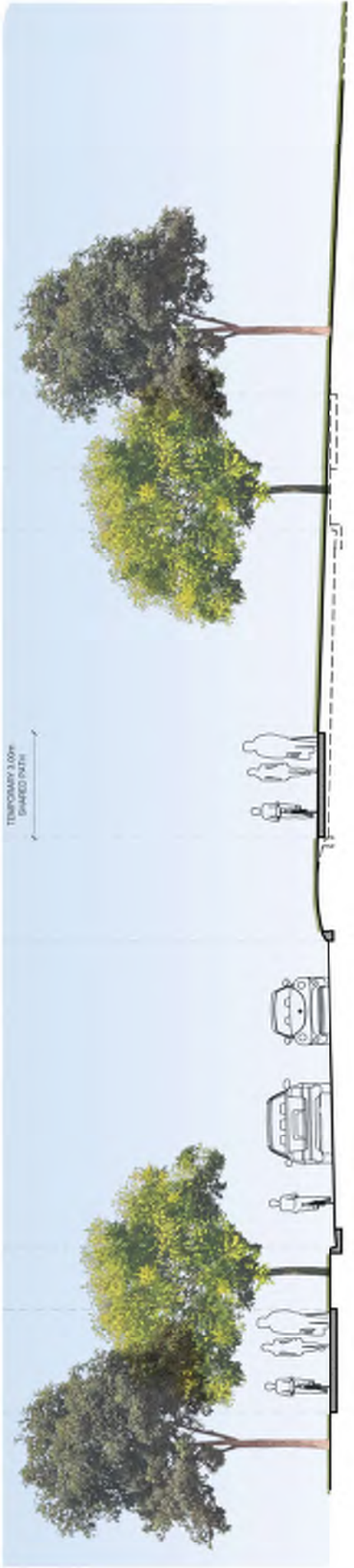
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STAGE 1 PLAN - EAST

- 1 New Road Intersection - Stage 1 (no signals)
- 2 Entry Signage Structure
- 3 Entry Road - Constructed to Final Design with On-Road Cycle Lanes
- 4 Planted Embankment Max 1:2 Slope
- 5 Rock Boulder Retaining Wall in Places to Avoid Embankment Extending Beyond the Boundary
- 6 Shared Path
- 7 Pedestrian Path
- 8 Improved Dry Creek Channel
- 9 Drainage Culvert Under New Road
- 10 Existing Pressure Sewer
- 11 Access to Sports Precinct - Joins DC-42
- 12 Shade Tree Planting
- 13 Existing Drainage Lines



SECTION S1-1 THROUGH STAGE 1 BOULEVARD



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SCALE AS SHOWN @ A1
DRAWING DC-43 (C)
PROJECT 19009
DATE 26-05-2022

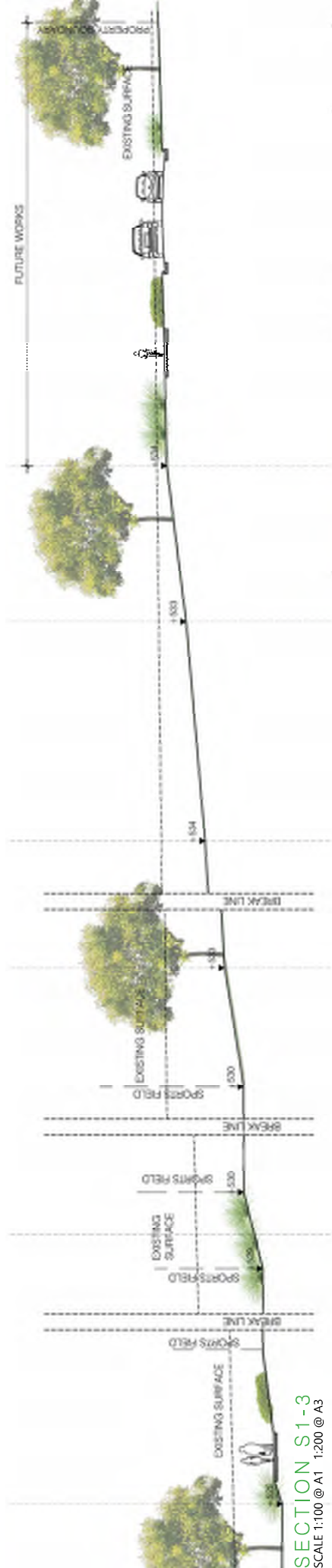
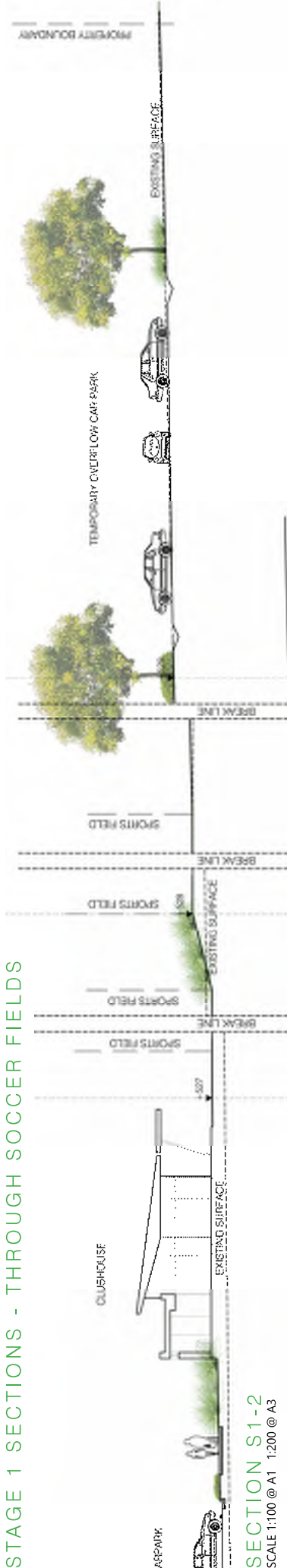
CLIENT:
TOOWOOMBA
REGION
CONSULTANTS:



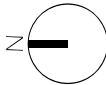
LEAD CONSULTANT:



STAGE 1 SECTIONS - THROUGH SOCCER FIELDS



SCALE 1:100 @ A1 1:200 @ A3



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SCALE: AS SHOWN @ A1
DRAWING DC44 (C)
PROJECT 19009
DATE 26/05/2022

CLIENT: TOOWOOMBA REGION
CONSULTANTS: GHD

LEAD CONSULTANT: OTUM
OPEN architecture studio

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Appendix B: Operational Hours and Vehicle Movements

Event Type	No. Events/Annum	No. Event Days/Annum	Avg. Persons Per Event Day	Total Persons Per Event Year	Avg. Vehicles Per Event Day	Total Vehicles Per Event Year
Regular Community Events	50	52	500	26000	200	10400
Major Events	13	16	1500	24000	600	9600
One Off Events	4	7	3000	21000	1200	8400
Sport / Fitness Events	24	48	700	33600	280	13440
TOTAL / AVERAGE	91	123	1425	71000	570	28400

[illegible]

Summer (October to February) - Note: Excludes Aquatic & Leisure and Adventure																			
Day	Activity	Time																People	Vehicles
		0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100		
	Ovals	0	0	0	0	0	0	0	0	0	10	90	90	70	70	40	10	380	152
	Softball/ Baseball	0	0	0	0	0	0	0	0	0	0	100	100	100	60	0	0	360	144
	Hardcourts (Netball)	0	0	0	0	0	0	0	0	0	10	80	80	80	60	0	0	310	124
	People Sub-total	18	18	15	12	18	18	18	12	9	43	434	500	471	396	240	50	2272	
	Vehicles Sub-total	7	7	6	5	7	7	7	5	4	17	174	200	188	158	96	20	909	
Friday	Athletics	18	18	12	0	0	0	0	0	0	0	0	60	90	120	90	10	538	215
	Recreation	0	0	3	12	18	18	18	12	9	3	15	15	12	9	0	0	144	58
	Premier Oval	0	0	0	0	0	0	0	0	0	0	50	85	85	85	50	440	176	
	Premier Rectangle	0	0	0	0	0	0	0	0	0	0	40	70	70	70	70	40	360	144
	Rugby League/ Union	0	0	0	0	0	0	0	90	90	10	70	70	70	70	70	10	550	220
	Soccer A	0	0	0	0	0	0	0	60	60	10	120	120	120	120	120	60	790	316
	Soccer B	0	0	0	0	0	0	0	120	120	10	240	240	240	240	240	60	1510	604
	Ovals	0	0	0	0	0	0	0	0	0	0	10	120	120	120	60	0	430	172
	Softball/ Baseball	0	0	0	0	0	0	0	0	0	0	60	130	130	130	60	0	510	204
	Hardcourts (Netball)	0	0	0	0	0	0	0	0	0	10	60	80	80	80	60	0	370	148
	People Sub-total	18	18	15	12	18	18	18	282	279	43	725	1020	1047	1044	855	230	5642	
	Vehicles Sub-total	7	7	6	5	7	7	7	113	112	17	290	408	419	418	342	92	2257	
Saturday	Athletics (Peak)	0	0	12	60	90	120	120	90	60	0	0	0	0	0	0	0	552	221
	Recreation (Peak)	2	4	20	40	56	56	56	56	56	40	20	20	4	0	0	0	430	172
	Premier Oval	0	0	10	40	90	90	90	90	90	90	90	90	90	90	40	0	990	396
	Premier Rectangle	0	0	10	40	85	85	85	85	85	85	85	85	85	85	40	0	940	376
	Rugby League/ Union	0	10	60	120	120	120	120	120	120	120	120	120	120	120	120	60	1570	628
	Soccer A	0	0	30	120	120	120	120	120	120	120	120	120	120	120	120	60	1410	564
	Soccer B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ovals	0	0	10	90	120	120	120	120	120	120	120	120	120	120	40	0	1340	536
	Softball/ Baseball (Peak)	0	10	60	80	130	130	130	130	130	130	130	130	60	0	0	0	1250	500
	Hardcourts (Netball)	0	0	10	60	80	80	80	80	80	80	80	80	80	60	0	0	770	308
	People Sub-total	2	24	222	650	891	921	921	891	861	785	765	765	659	535	300	60	9252	
	Vehicles Sub-total	1	10	89	260	356	368	368	356	344	314	306	306	264	214	120	24	3701	
Sunday	Athletics	0	0	0	18	18	12	12	12	12	12	12	6	0	0	0	0	114	46
	Recreation	2	4	20	40	56	56	56	56	56	40	20	20	4	0	0	0	430	172
	Premier Oval	0	0	10	40	90	90	90	90	90	90	90	90	90	40	0	0	900	360
	Premier Rectangle	0	0	10	40	85	85	85	85	85	85	85	85	85	40	0	0	855	342
	Rugby League/ Union	0	10	60	120	120	120	120	120	120	120	120	120	120	60	0	0	1210	484
	Soccer A	0	0	30	120	120	120	120	120	120	120	120	120	120	120	60	0	1290	516
	Soccer B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ovals	0	0	10	90	120	120	120	120	120	120	120	120	120	40	0	0	1220	488
	Softball/ Baseball	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Hardcourts (Netball)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	People Sub-total	2	14	140	468	609	603	603	603	603	587	567	561	479	180	0	0	6019	
	Vehicles Sub-total	1	6	56	187	244	241	241	241	241	235	227	224	192	72	0	0	2408	
TOTAL PER WEEK																		26001	10400
TOTAL PER ANNUM																		598023	239209

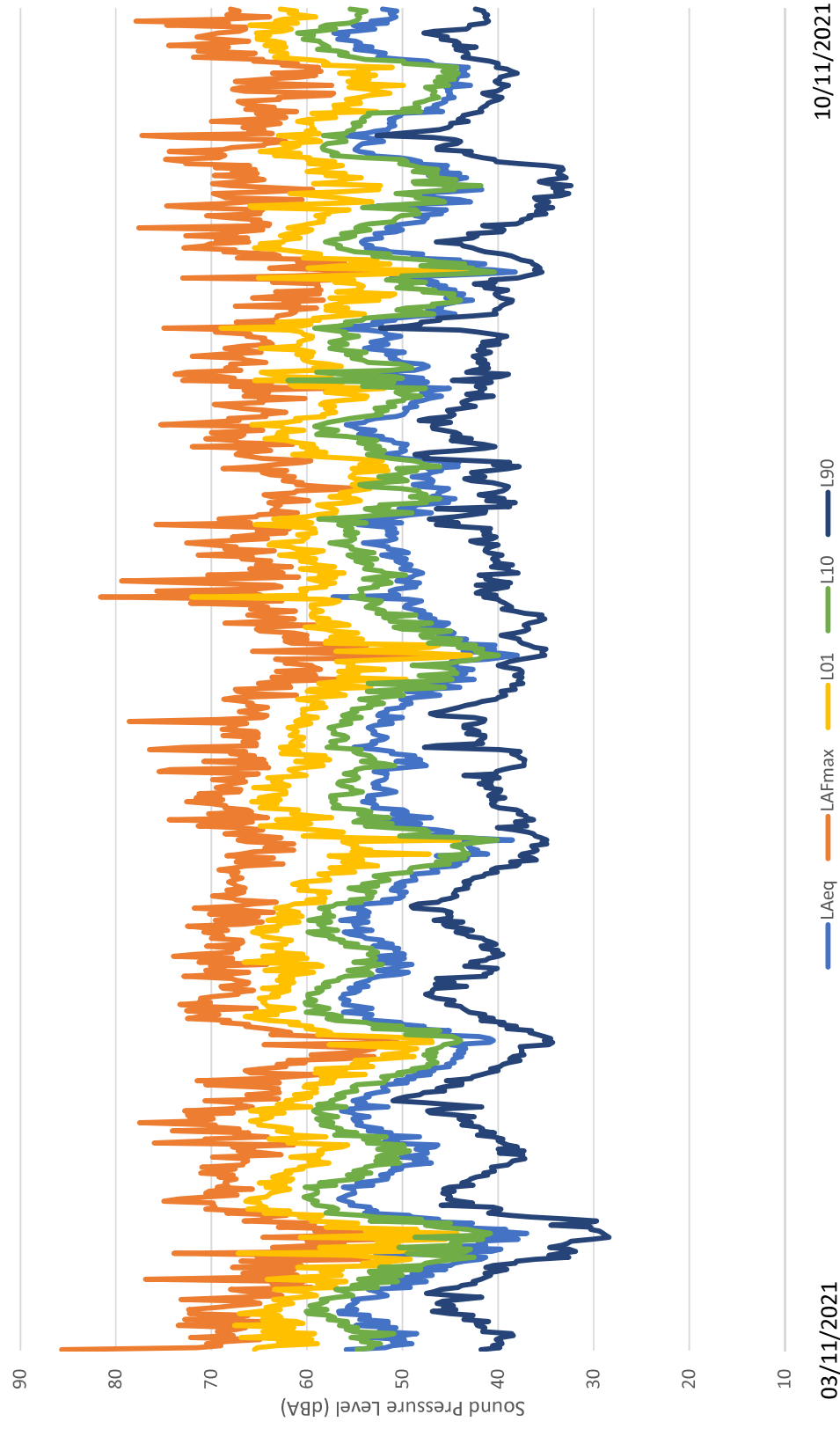
Winter (March to September) - Note: Excludes Aquatic & Leisure and Adventure																				
Day	Activity	Time															People	Vehicles		
		0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100			
Monday	Athletics	12	12	6	0	0	0	0	0	0	0	6	12	6	0	0	0	54	22	
	Recreation	0	0	2	8	12	12	12	8	6	2	8	8	6	0	0	0	84	34	
	Premier Oval	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Premier Rectangle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rugby League/ Union	0	0	0	0	0	0	0	0	0	10	120	120	120	120	120	10	620	248	
	Soccer A	0	0	0	0	0	0	0	0	0	10	100	100	100	100	100	10	520	208	
	Soccer B	0	0	0	0	0	0	0	0	0	10	100	100	100	100	90	60	500	200	
Tuesday	Ovals	0	0	0	0	0	0	0	0	0	10	120	120	90	0	0	0	0	0	
	Softball/ Baseball	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Hardcourts (Netball)	0	0	0	0	0	0	0	0	0	10	240	240	240	120	0	0	850	340	
	People Sub-total	12	12	8	8	12	12	12	8	6	52	694	700	662	530	380	40	3148		
	Vehicles Sub-total	5	5	3	3	5	5	5	3	2	21	278	280	265	212	152	16		1259	
	Athletics	12	12	6	0	0	0	0	0	0	0	6	12	6	0	0	0	54	22	
	Recreation	0	0	2	8	12	12	12	8	6	2	8	8	6	0	0	0	84	34	
Wednesday	Premier Oval	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Premier Rectangle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rugby League/ Union	0	0	0	0	0	0	0	0	0	10	120	120	120	120	120	10	620	248	
	Soccer A	0	0	0	0	0	0	0	0	0	10	100	100	100	100	100	10	520	208	
	Soccer B	0	0	0	0	0	0	0	0	0	10	100	100	100	100	100	10	520	208	
	Ovals	0	0	0	0	0	0	0	0	0	10	120	120	90	0	60	10	500	200	
	Softball/ Baseball	0	0	0	0	0	0	0	0	0	0	55	55	55	30	0	0	195	78	
Thursday	Hardcourts (Netball)	0	0	0	0	0	0	0	0	0	10	240	240	240	120	0	0	850	340	
	People Sub-total	12	12	8	8	12	12	12	8	6	52	749	755	717	560	380	40	3343		
	Vehicles Sub-total	5	5	3	3	5	5	5	3	2	21	300	302	287	224	152	16		1337	
	Athletics	12	12	6	0	0	0	0	0	0	0	6	12	6	0	0	0	54	22	
	Recreation	0	0	2	8	12	12	12	8	6	2	8	8	6	0	0	0	84	34	
	Premier Oval	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Premier Rectangle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Friday	Rugby League/ Union	0	0	0	0	0	0	0	0	180	10	120	120	120	120	120	10	980	392	
	Soccer A	0	0	0	0	0	0	0	120	120	10	100	100	100	100	100	10	760	304	
	Soccer B	0	0	0	0	0	0	0	120	120	10	100	100	100	100	100	10	760	304	
	Ovals	0	0	0	0	0	0	0	90	90	10	120	120	90	90	60	10	680	272	
	Softball/ Baseball	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Hardcourts (Netball)	0	0	0	0	0	0	0	0	0	10	240	240	240	120	0	0	850	340	
	People Sub-total	12	12	8	8	12	12	12	518	516	52	694	700	662	530	380	40	4168		
Saturday	Vehicles Sub-total	5	5	3	3	5	5	5	207	206	21	278	280	265	212	152	16		1667	
	Athletics	12	12	6	0	0	0	0	0	0	0	6	12	6	0	0	0	54	22	
	Recreation	0	0	2	8	12	12	12	8	6	2	8	8	6	0	0	0	84	34	
	Premier Oval	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	10	130	52	
	Premier Rectangle	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	10	130	52	
	Rugby League/ Union	0	0	0	0	0	0	0	0	0	10	120	120	120	120	120	10	620	248	
	Soccer A	0	0	0	0	0	0	0	0	0	10	100	100	100	100	100	10	520	208	
Soccer B	0	0	0	0	0	0	0	0	0	10	100	100	100	100	100	10	520	208		

Winter (March to September) - Note: Excludes Aquatic & Leisure and Adventure																				
Day	Activity	Time															People	Vehicles		
		0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100			
	Ovals	0	0	0	0	0	0	0	0	0	10	120	120	90	90	60	10	500	200	
	Softball/ Baseball	0	0	0	0	0	0	0	0	0	0	55	55	55	30	0	0	195	78	
	Hardcourts (Netball)	0	0	0	0	0	0	0	0	0	10	240	240	240	120	0	0	850	340	
	People Sub-total	12	12	8	8	12	12	12	8	6	52	749	815	777	620	440	60	3603		
	Vehicles Sub-total	5	5	3	3	5	5	5	3	2	21	300	326	311	248	176	24	1441		
Friday	Athletics	12	12	6	0	0	0	0	0	0	0	6	12	6	0	0	0	54	22	
	Recreation	0	0	2	8	12	12	12	8	6	2	8	8	6	0	0	0	84	34	
	Premier Oval	0	0	0	0	0	0	0	0	0	0	70	120	120	120	120	70	620	248	
	Premier Rectangle	0	0	0	0	0	0	0	0	0	0	60	105	105	105	105	60	540	216	
	Rugby League/ Union	0	0	0	0	0	0	0	180	180	10	120	120	120	120	120	10	980	392	
	Soccer A	0	0	0	0	0	0	0	120	120	10	240	240	240	240	240	60	1510	604	
	Soccer B	0	0	0	0	0	0	0	120	120	10	240	240	240	240	240	60	1510	604	
	Ovals	0	0	0	0	0	0	0	90	90	10	120	120	90	90	60	10	680	272	
	Softball/ Baseball	0	0	0	0	0	0	0	0	0	0	60	105	105	105	60	0	435	174	
	Hardcourts (Netball)	0	0	0	0	0	0	0	0	0	10	240	240	240	240	240	120	1330	532	
	People Sub-total	12	12	8	8	12	12	12	518	516	52	1164	1310	1272	1260	1185	390	7743		
	Vehicles Sub-total	5	5	3	3	5	5	5	207	206	21	466	524	509	504	474	156	3097		
Saturday	Athletics	0	0	6	12	12	6	2	2	2	2	6	12	6	0	0	0	68	27	
	Recreation	0	2	10	20	28	28	28	28	28	20	10	10	2	0	0	0	214	86	
	Premier Oval (Peak)	0	0	10	70	120	120	120	120	120	120	120	120	120	120	70	0	1350	540	
	Premier Rectangle (Peak)	0	0	10	60	105	105	105	105	105	105	105	105	105	105	60	0	1180	472	
	Rugby League/ Union (Peak)	0	10	60	360	360	360	360	270	270	270	270	270	270	270	180	60	3640	1456	
	Soccer A (Peak)	0	0	30	240	240	240	240	240	240	240	240	240	240	240	180	60	2670	1068	
	Soccer B (Peak)	0	0	30	240	240	240	240	240	240	240	240	240	240	240	180	60	2670	1068	
	Ovals (Peak)	0	0	10	120	150	150	120	80	80	80	80	80	80	80	40	0	1150	460	
	Softball/ Baseball	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Hardcourts (Netball) (Peak)	0	0	10	720	720	720	720	540	540	540	360	180	180	60	0	0	5110	2044	
	People Sub-total	0	12	176	1842	1975	1969	1935	1625	1625	1617	1431	1257	1123	935	470	60	18052		
	Vehicles Sub-total (Peak)	0	5	70	737	790	788	774	650	650	647	572	503	449	374	188	24	7221		
Sunday	Athletics	0	0	6	12	12	6	2	2	2	2	6	12	6	0	0	0	68	27	
	Recreation	0	2	10	20	28	28	28	28	28	20	10	10	2	0	0	0	214	86	
	Premier Oval	0	0	10	70	120	120	120	120	120	120	120	120	120	120	70	0	1230	492	
	Premier Rectangle	0	0	10	60	105	105	105	105	105	105	105	105	105	105	60	0	1075	430	
	Rugby League/ Union	0	10	60	360	360	360	360	270	270	270	270	180	180	60	0	0	2830	1132	
	Soccer A	0	0	30	240	240	240	240	240	240	240	240	240	180	180	60	0	2430	972	
	Soccer B	0	0	30	240	240	240	240	240	240	240	240	240	180	180	60	0	2430	972	
	Ovals	0	0	10	80	80	80	80	80	80	80	80	80	80	80	40	0	850	340	
	Softball/ Baseball	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Hardcourts (Netball)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	People Sub-total	0	12	166	1082	1185	1179	1175	1085	1085	1077	1071	987	733	290	0	0	11127		
	Vehicles Sub-total	0	5	66	433	474	472	470	434	434	431	428	395	293	116	0	0		4451	
TOTAL PER WEEK																	51184	20474		
TOTAL PER ANNUM																	1177232	470893		



Appendix C: Ambient Noise Survey Data

Time Series Data (15 minute data)
Gowrie Junction Road, Gowrie Junction
03/11/2021 - 10/11/2021





Appendix D: Stages 1 to 7 Noise Source Locations

Toowoomba Sports Precinct

Source Locations Map Layout
Revision 1
SoundPlan v8.0
Standard: ISO9613-2:1996

Scale
0 35 70 140 210 280
m



Toowoomba Sports Precinct

Source Locations Overview

Revision 1

SoundPlan v8.0
Standard: ISO9613-2:1996

Signs and symbols

- Point source
- Vehicle Movement
- ▨ Sports Field
- ▨ Clubhouse
- ▨ Car Park Lmax

Point Source Legend:

- 1: Raised Voice
- 2: Amplified Speech
- 3: Rooftop Plant
- 4: 10 x Spectators
- 5: Amphitheatre Music
- 6: Workshop Noise
- 7: Cricket Hit
- 8: 20kW Water Pump
- 9: Amenities (hand dryer etc)
- 10: Car Door Closure
- 11: Gunshot LZpeak

Scale



Toowoomba
Sports Precinct

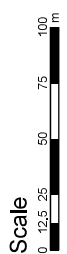
Source Locations 1
Revision 1
SoundPlan v8.0
Standard: ISO9613-2:1996

Signs and symbols

- Point source
- Vehicle Movement
- Sports Field
- Clubhouse
- Car Park Lmax
- Ground absorption
- Noise calculation area

Point Source Legend:

- 1: Raised Voice
- 2: Amplified Speech
- 3: Rooftop Plant
- 4: 10 x Spectators
- 5: Amphitheatre Music
- 6: Workshop Noise
- 7: Cricket Hit
- 8: 20kW Water Pump
- 9: Amenities (hand dryer etc)
- 10: Car Door Closure
- 11: Gunshot LZpeak



**Toowoomba
Sports Precinct**

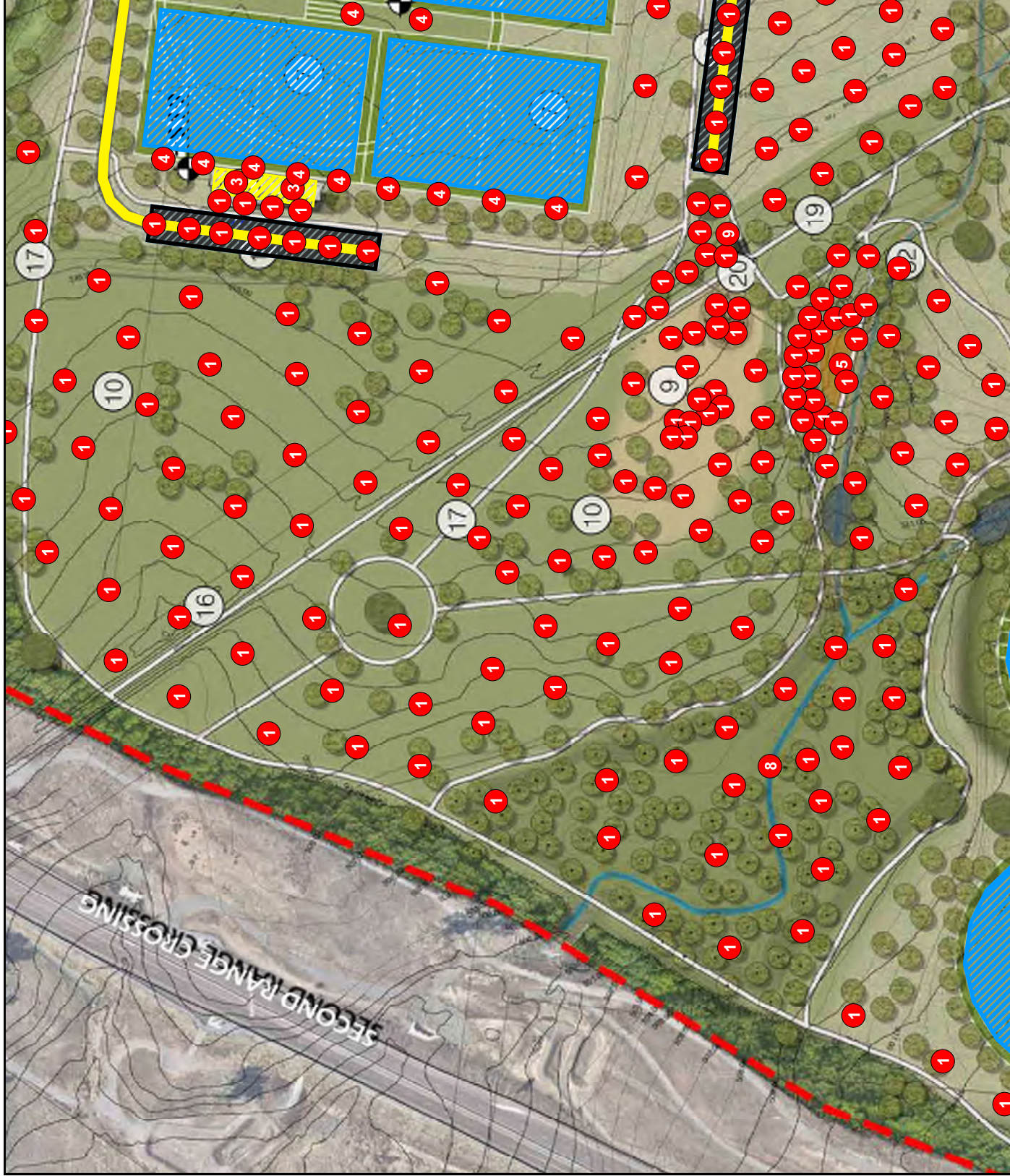
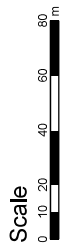
Source Locations 2
Revision 1
SoundPlan v8.0
Standard: ISO9613-2:1996

Signs and symbols

- Point source
- Vehicle Movement
- Sports Field
- Clubhouse
- Car Park Lmax

Point Source Legend:

- 1: Raised Voice
- 2: Amplified Speech
- 3: Rooftop Plant
- 4: 10 x Spectators
- 5: Amphitheatre Music
- 6: Workshop Noise
- 7: Cricket Hit
- 8: 20kW Water Pump
- 9: Amenities (hand dryer etc)
- 10: Car Door Closure



Toowoomba Sports Precinct

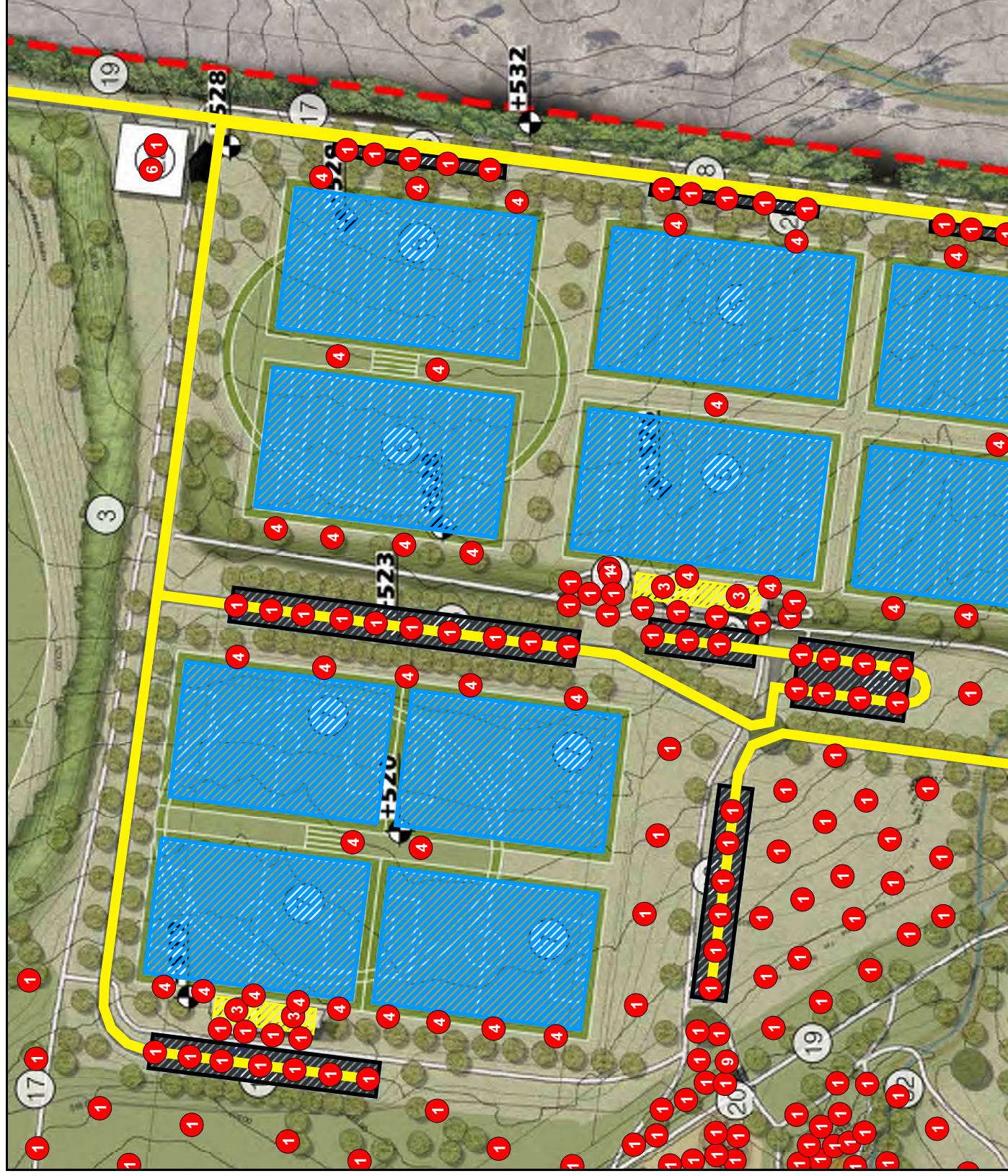
Source Locations 3
Revision 1
SoundPlan v8.0
Standard: ISO9613-2:1996

Signs and symbols

- Point source
- Vehicle Movement
- Sports Field
- Clubhouse
- Car Park Lmax

Point Source Legend:

- 1: Raised Voice
- 2: Amplified Speech
- 3: Rooftop Plant
- 4: 10 x Spectators
- 5: Amphitheatre Music
- 6: Workshop Noise
- 7: Cricket Hit
- 8: 20kW Water Pump
- 9: Amenities (hand dryer etc)
- 10: Car Door Closure



**Toowoomba
Sports Precinct**

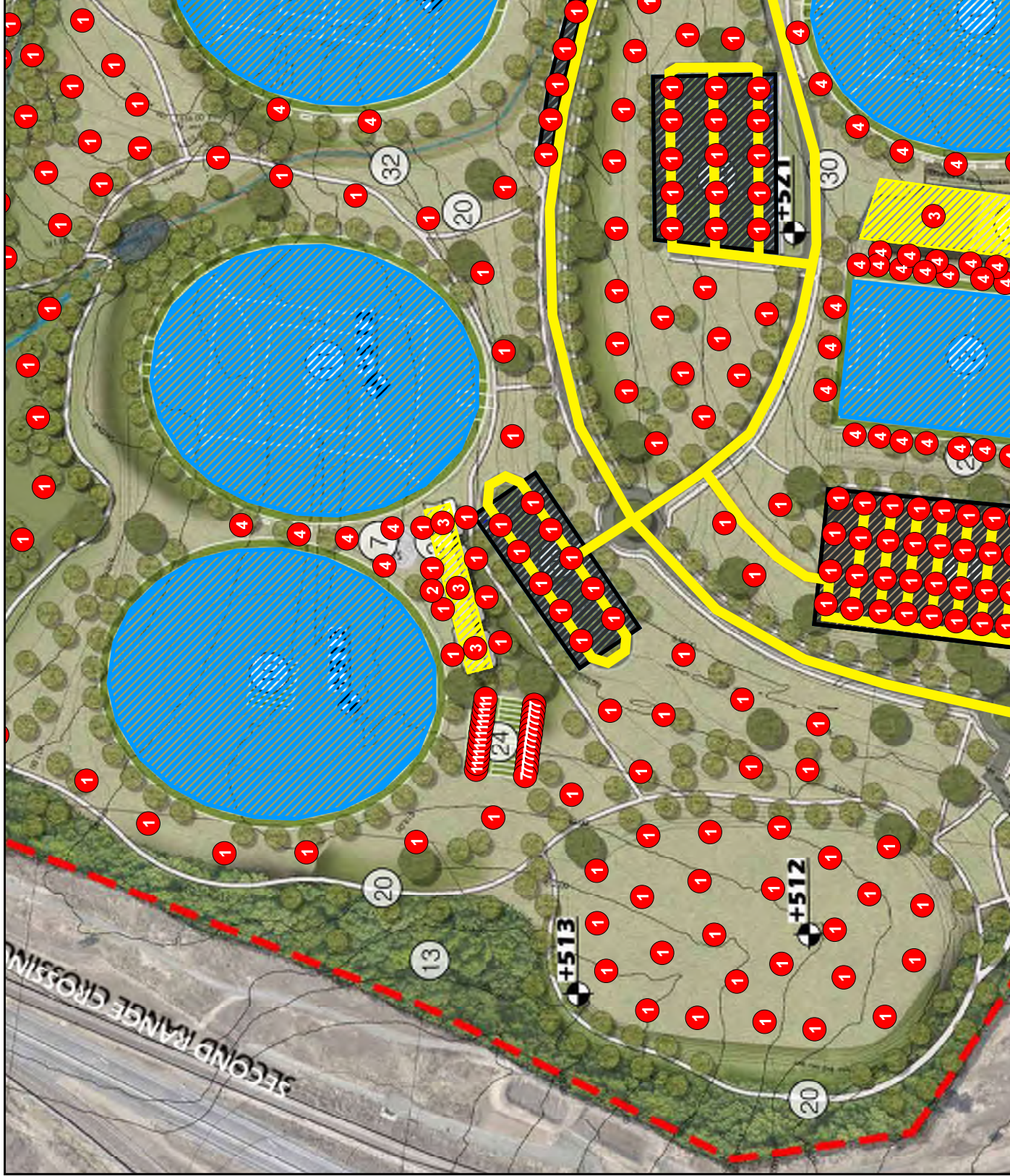
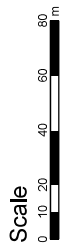
Source Locations 4
Revision 1
SoundPlan v8.0
Standard: ISO9613-2:1996

Signs and symbols

- Point source
- Vehicle Movement
- Sports Field
- Clubhouse
- Car Park Lmax

Point Source Legend:

- 1: Raised Voice
- 2: Amplified Speech
- 3: Rooftop Plant
- 4: 10 x Spectators
- 5: Amphitheatre Music
- 6: Workshop Noise
- 7: Cricket Hit
- 8: 20kW Water Pump
- 9: Amenities (hand dryer etc)
- 10: Car Door Closure



Toowoomba Sports Precinct

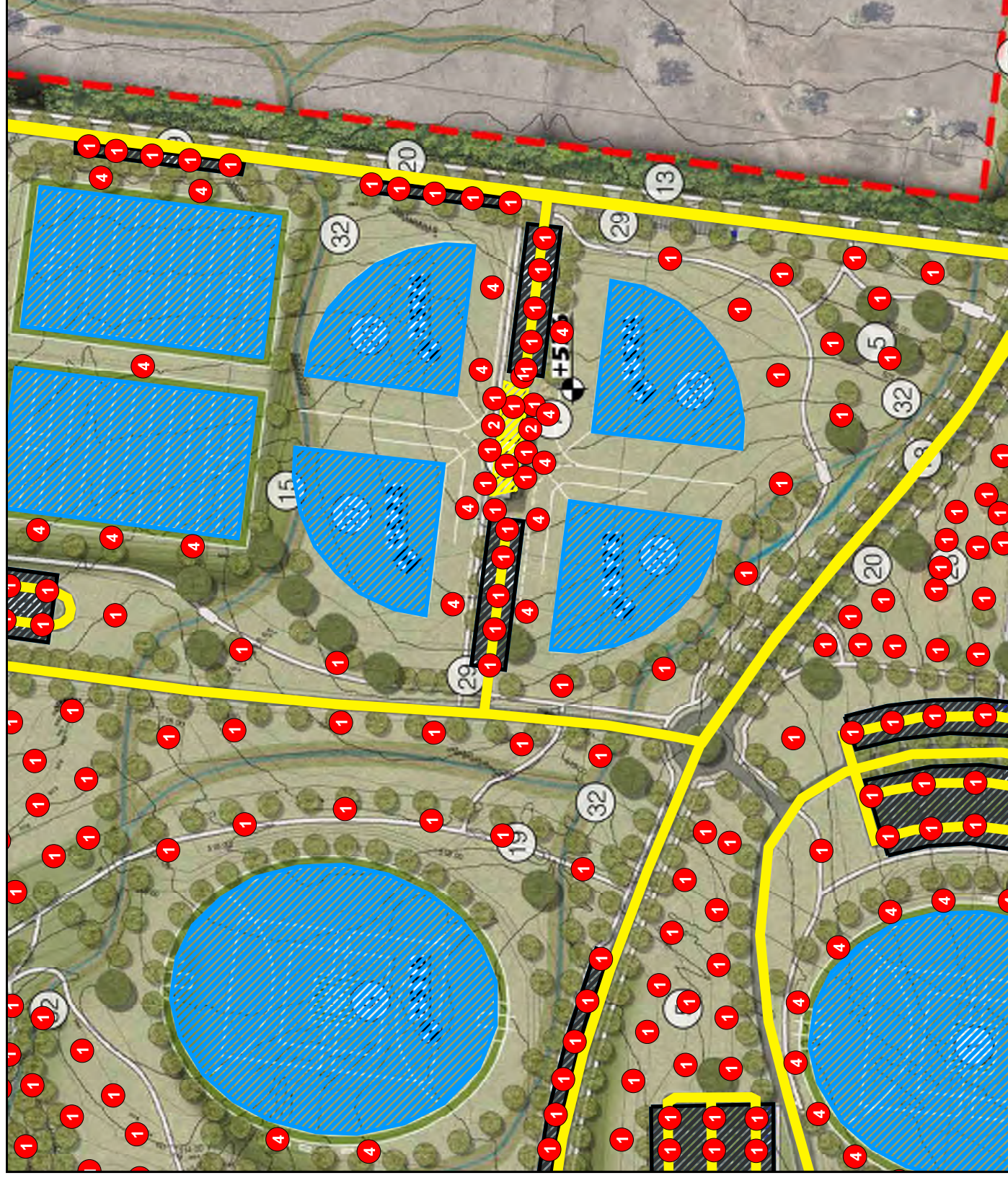
Source Locations 5
Revision 1
SoundPlan v8.0
Standard: ISO9613-2:1996

Signs and symbols

- Point source
- Vehicle Movement
- Sports Field
- Clubhouse
- Car Park Lmax

Point Source Legend:

- 1: Raised Voice
- 2: Amplified Speech
- 3: Rooftop Plant
- 4: 10 x Spectators
- 5: Amphitheatre Music
- 6: Workshop Noise
- 7: Cricket Hit
- 8: 20kW Water Pump
- 9: Amenities (hand dryer etc)
- 10: Car Door Closure



Toowoomba Sports Precinct

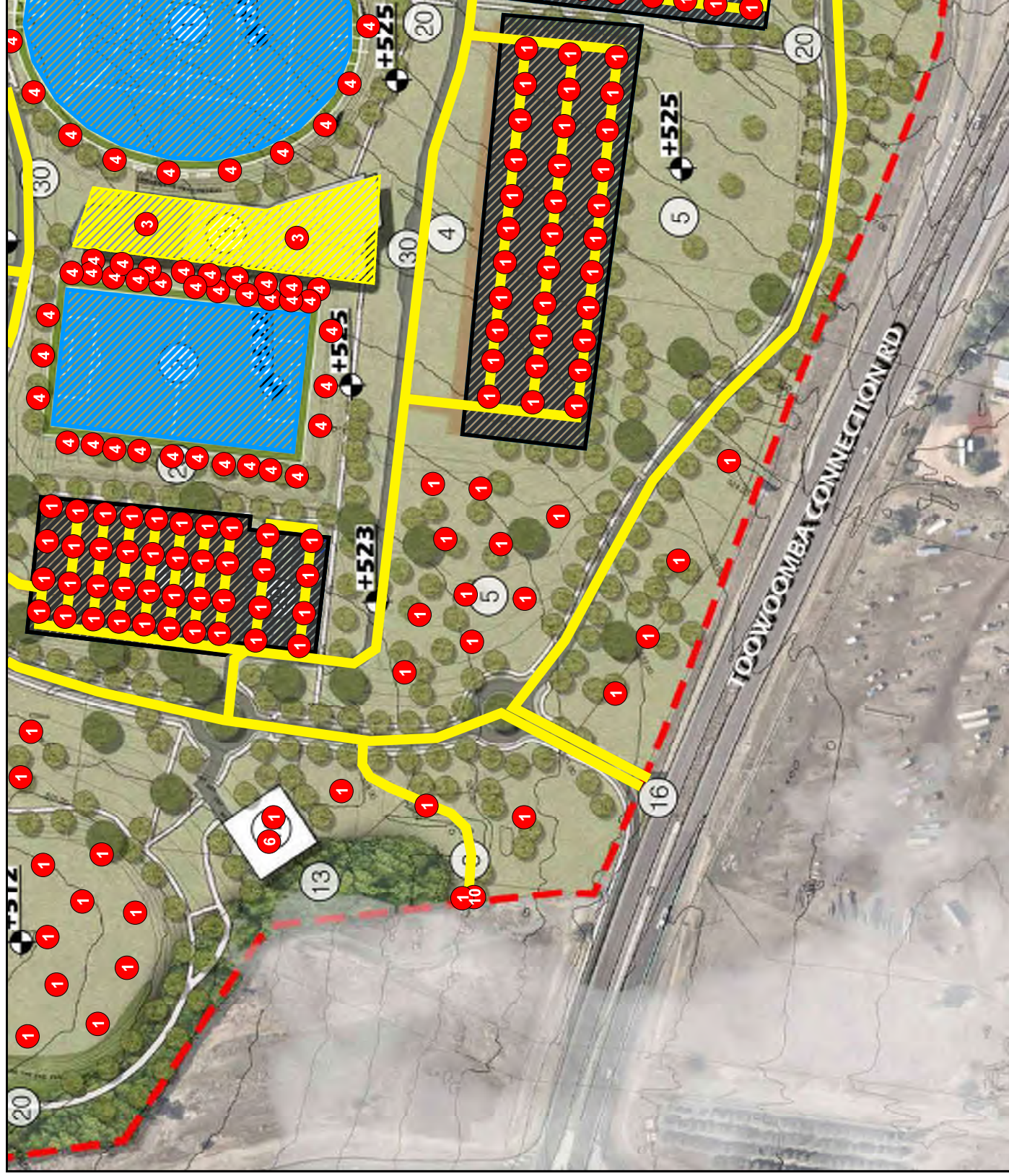
Source Locations 6
Revision 1
SoundPlan v8.0
Standard: ISO9613-2:1996

Signs and symbols

- Point source
- Vehicle Movement
- Sports Field
- Clubhouse
- Car Park Lmax

Point Source Legend:

- 1: Raised Voice
- 2: Amplified Speech
- 3: Rooftop Plant
- 4: 10 x Spectators
- 5: Amphitheatre Music
- 6: Workshop Noise
- 7: Cricket Hit
- 8: 20kW Water Pump
- 9: Amenities (hand dryer etc)
- 10: Car Door Closure



Toowoomba Sports Precinct

Source Locations 7
Revision 1
SoundPlan v8.0
Standard: ISO9613-2:1996

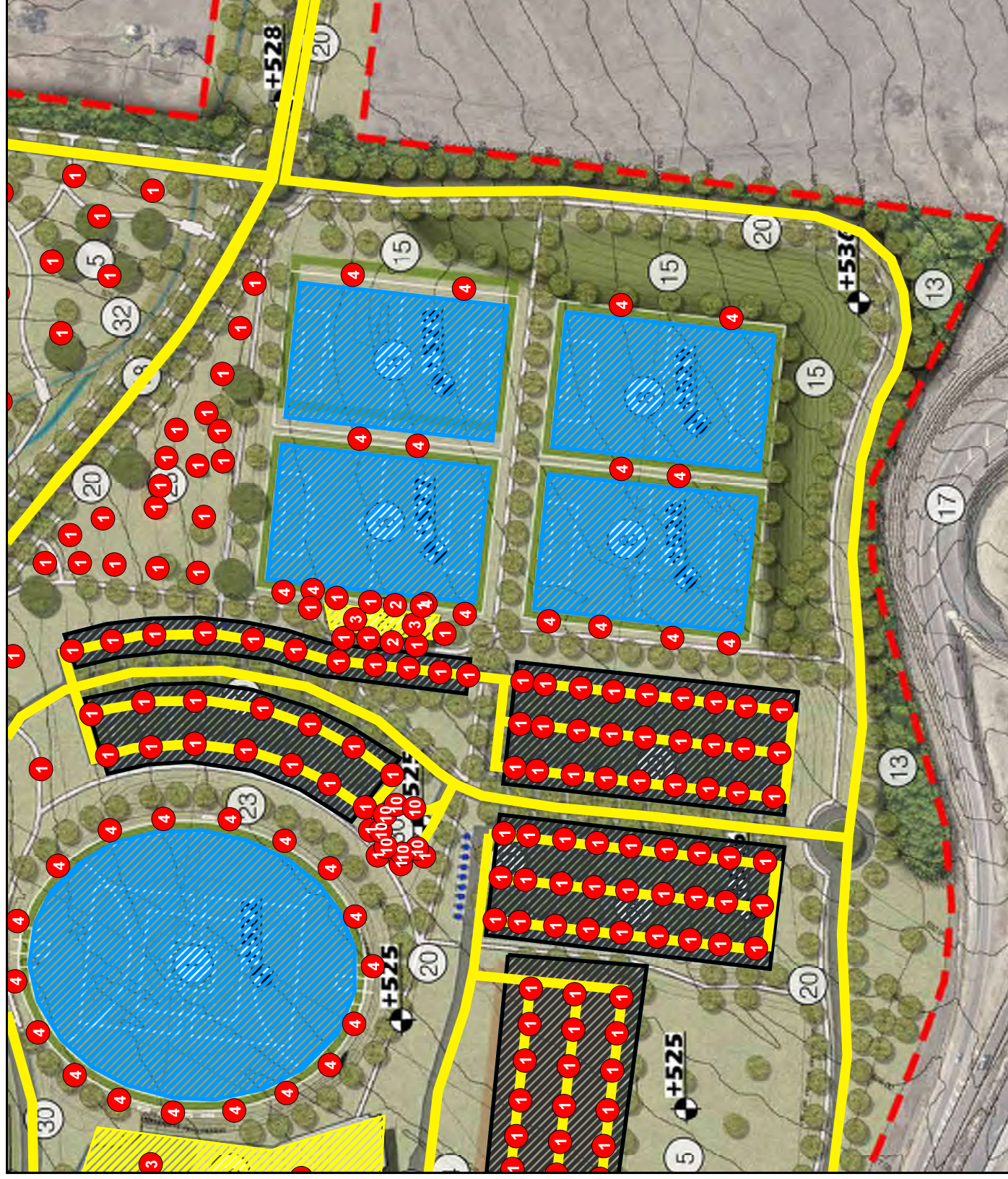
Signs and symbols

- Point source
- Vehicle Movement
- Sports Field
- Clubhouse
- Car Park Lmax

Point Source Legend:

- 1: Raised Voice
- 2: Amplified Speech
- 3: Rooftop Plant
- 4: 10 x Spectators
- 5: Amphitheatre Music
- 6: Workshop Noise
- 7: Cricket Hit
- 8: 20kW Water Pump
- 9: Amenities (hand dryer etc)
- 10: Car Door Closure

Scale



Toowoomba
Sports Precinct

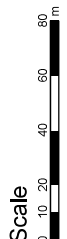
Source Locations 8
Revision 1
SoundPlan v8.0
Standard: ISO9613-2:1996

Signs and symbols

- Point source
- Vehicle Movement
- Sports Field
- Clubhouse
- Car Park Lmax

Point Source Legend:

- 1: Raised Voice
- 2: Amplified Speech
- 3: Rooftop Plant
- 4: 10 x Spectators
- 5: Amphitheatre Music
- 6: Workshop Noise
- 7: Cricket Hit
- 8: 20kW Water Pump
- 9: Amenities (hand dryer etc)
- 10: Car Door Closure



**Toowoomba
Sports Precinct**

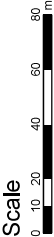
Source Locations 9
Revision 1
SoundPlan v8.0
Standard: ISO9613-2:1996

Signs and symbols

- Point source
- Vehicle Movement
- Sports Field
- Clubhouse
- Car Park Lmax

Point Source Legend:

- 1: Raised Voice
- 2: Amplified Speech
- 3: Rooftop Plant
- 4: 10 x Spectators
- 5: Amphitheatre Music
- 6: Workshop Noise
- 7: Cricket Hit
- 8: 20kW Water Pump
- 9: Amenities (hand dryer etc)
- 10: Car Door Closure





Appendix E: Stages 1 to 7 Noise Contour Diagrams

TRC Sports Precinct

Noise contours at 1.8 m

All Variable Noise Sources
Stages 1-7

SoundPlan v8.0
Standard: ISO9613-2:1996

Noise level
Leq
in dB(A)

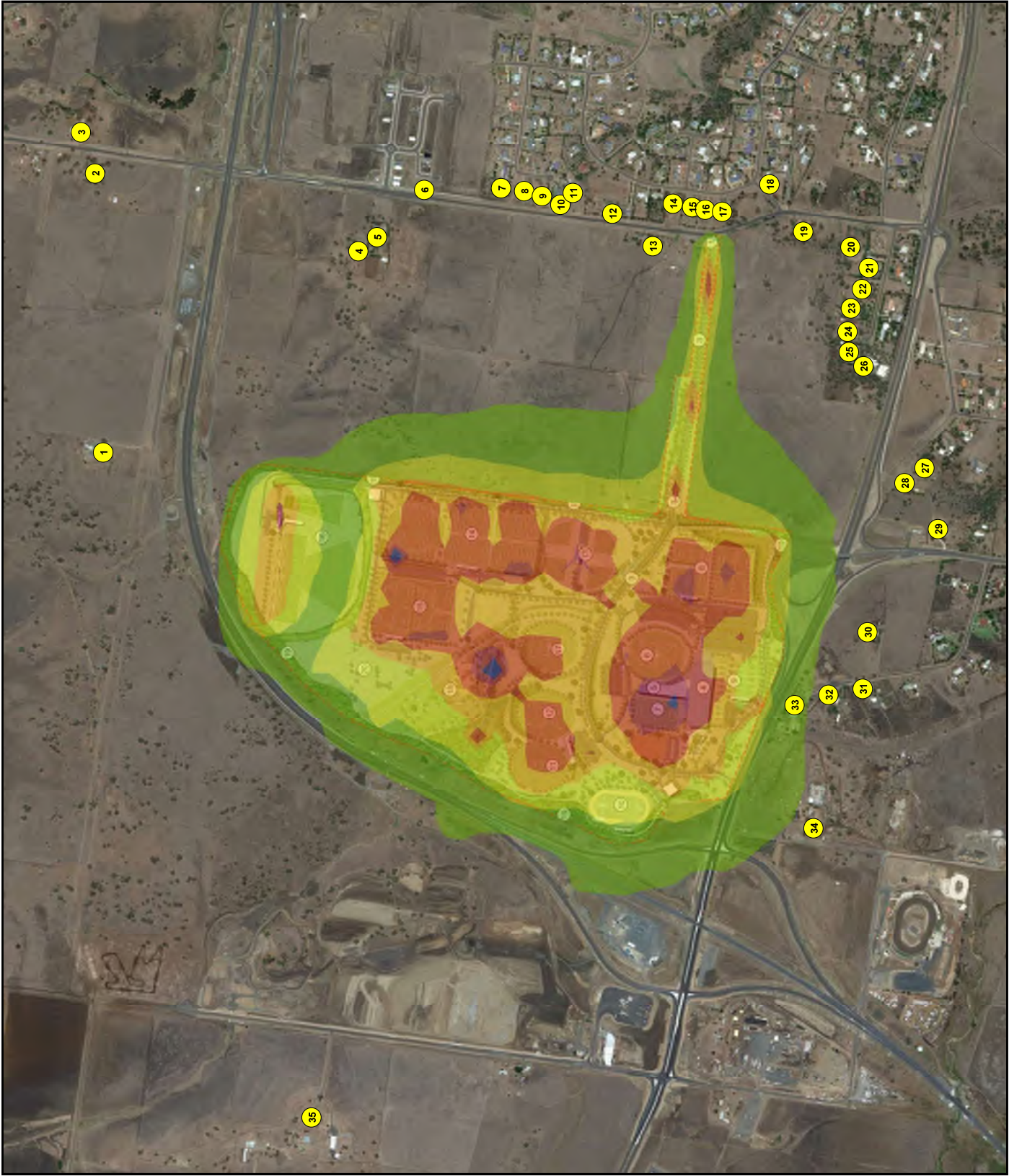


Signs and symbols

Point receiver



Scale



TRC Sports Precinct

Noise contours at 1.8 m

All Lmax Noise Sources
Stages 1-7

SoundPlan v8.0
Standard: ISO9613-2:1996

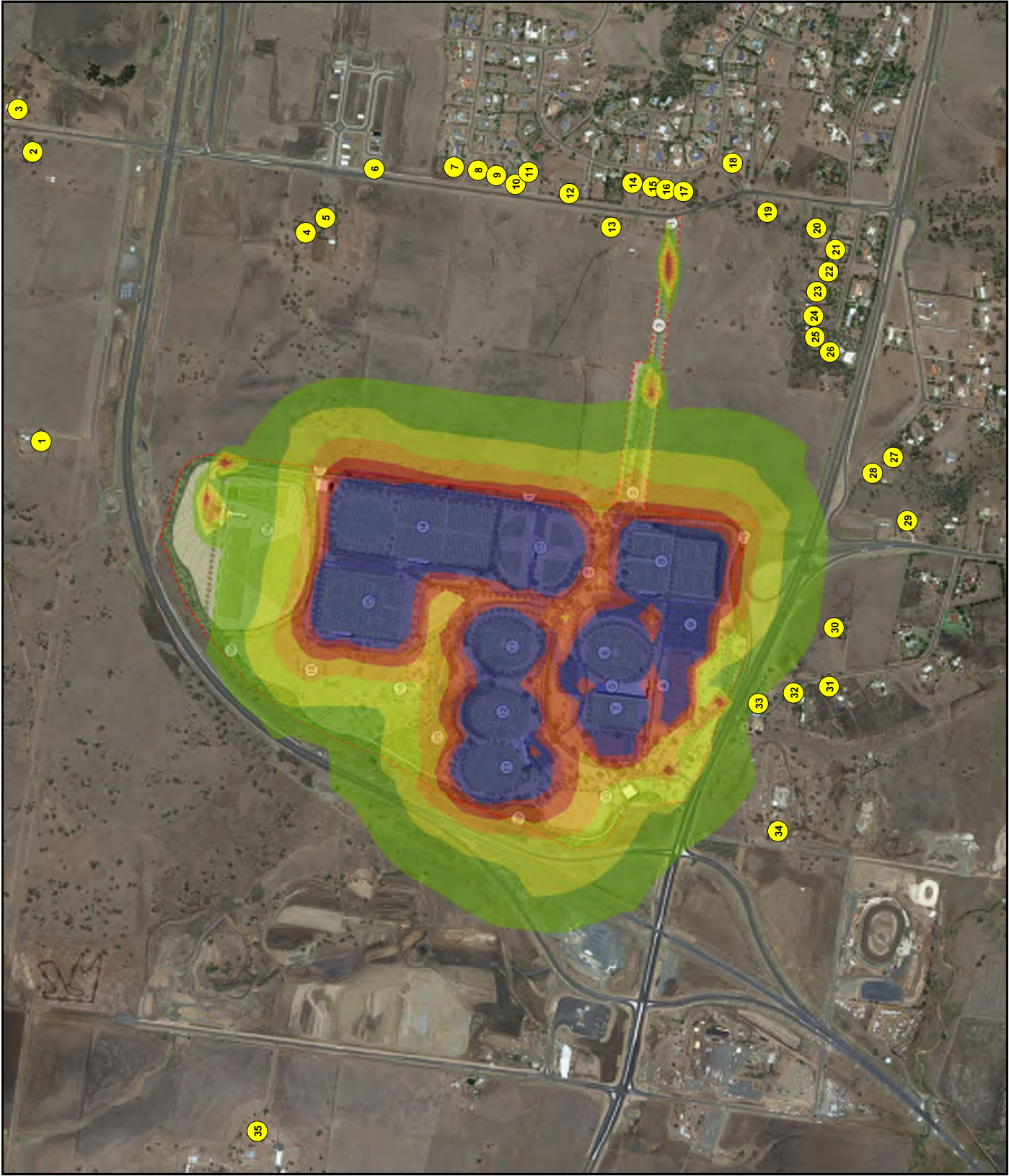
Noise level
Lmax
in dB(A)



Signs and symbols

● Point receiver

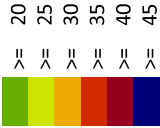
Scale



TRC Sports Precinct

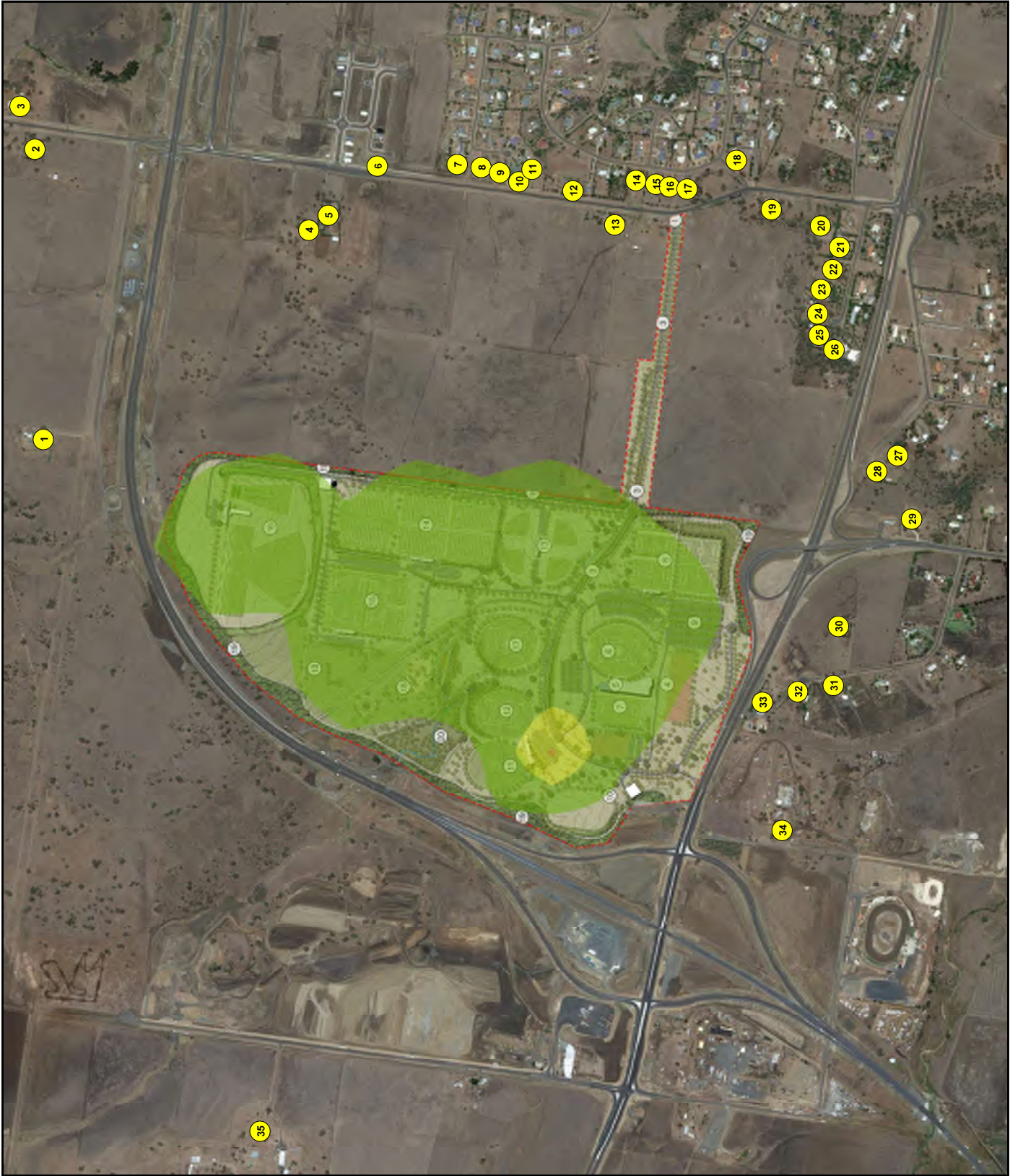
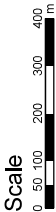
Noise contours at 1.8 m
All Continuous Noise Sources
Stages 1-7
SoundPlan v8.0
Standard: ISO9613-2:1996

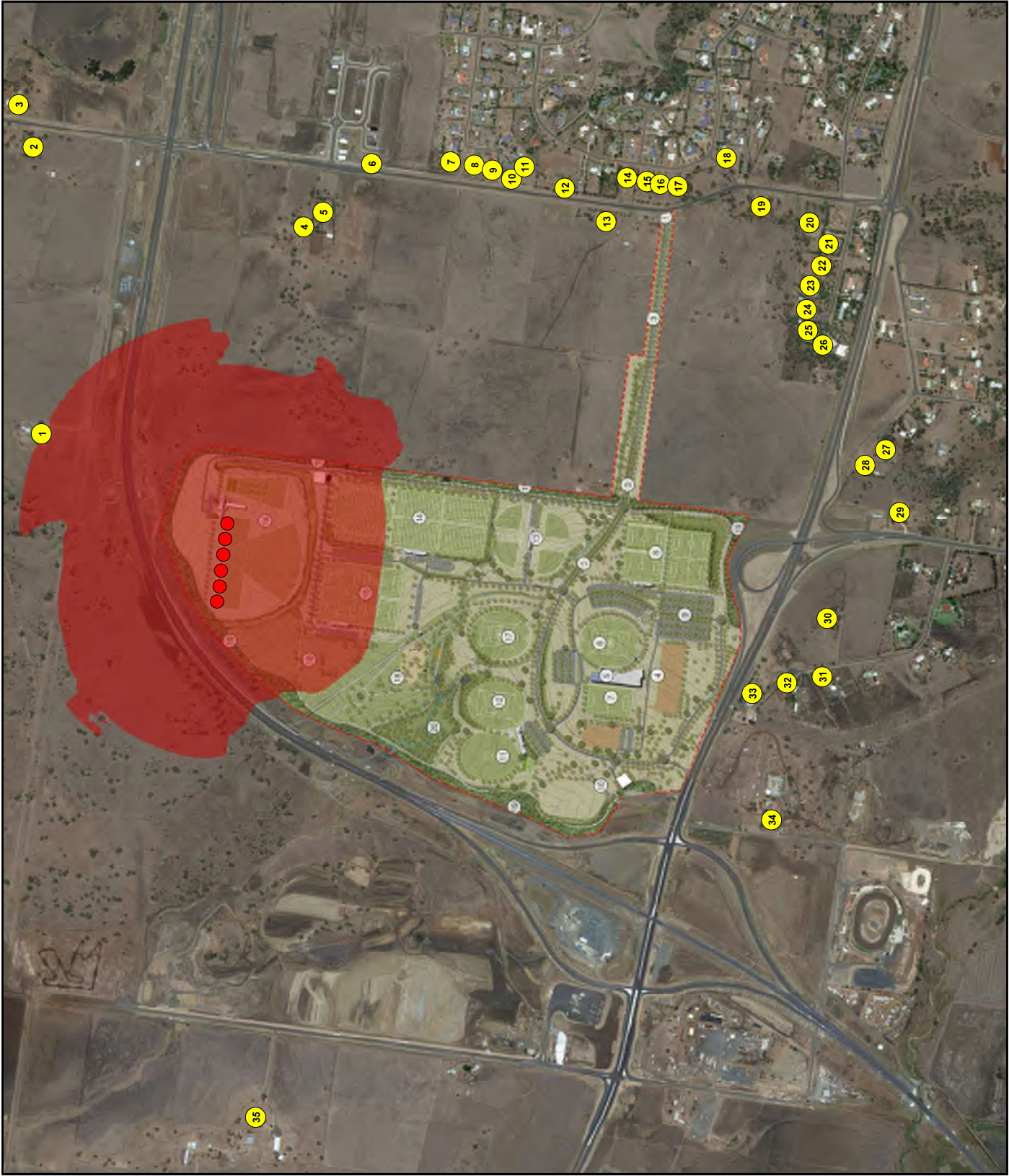
Noise level
Leq
in dB(A)



Signs and symbols

● Point receiver







TRC Sports Precinct


Noise contours at 1.8 m
Shooting Range
Source SWL 169 dBpeak
SoundPlan v8.0
Standard: ISO9613-2:1996

Noise level
Lpeak
in dB(Z)

 >= 95

Signs and symbols

-  Point receiver
-  Point source

Scale

0 50 100 200 300 400 m



Appendix F: One-off Event Noise Source Locations

Toowoomba Sports Precinct

Source Locations
One-off Event
SoundPlan v8.0
Standard: ISO9613-2:1996

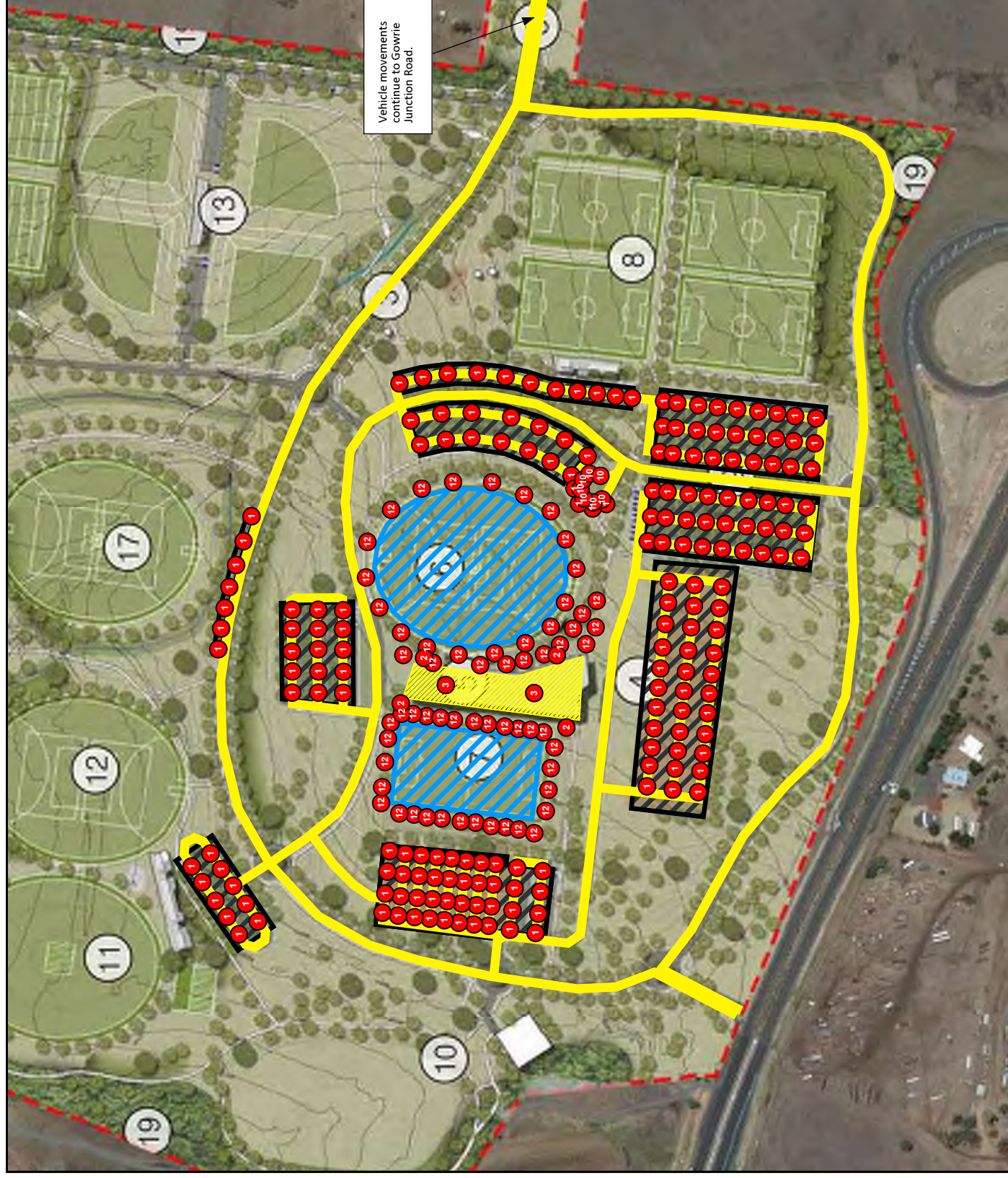
Signs and symbols

- Point source
- Vehicle Movement
- Sports Field
- Clubhouse
- Car Park Lmax

Point Source Legend:

- 1: Raised Voice
- 2: Amplified Speech
- 3: Rooftop Plant
- 10: Car Door Closure
- 12: 50 x Spectators

Scale
0 15 30 60 90 120 m





Appendix G: One-off Event Noise Contour Diagrams

TRC Sports Precinct

Noise contours at 1.8 m

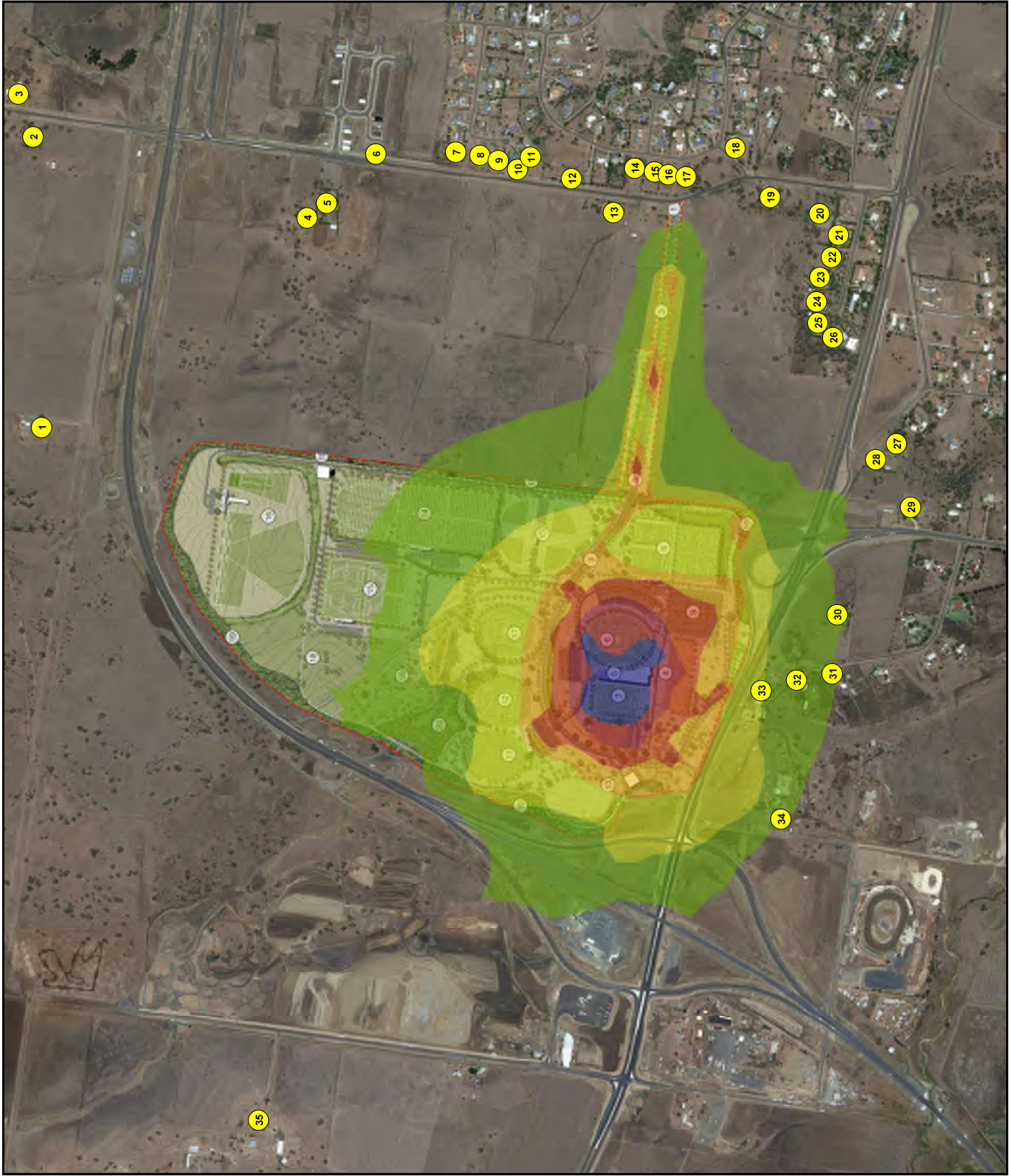
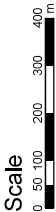
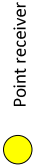
All variable noise sources
One-off Event

SoundPlan v8.0
Standard: ISO9613-2:1996

Noise level
Leq
in dB(A)



Signs and symbols



TRC Sports Precinct

Noise contours at 1.8 m
All Lmax Noise Sources
One-off Event
SoundPlan v8.0
Standard: ISO9613-2:1996

Noise level
Lmax
in dB(A)



Signs and symbols

