



LOCATION PLAN

GENERAL NOTES:

1. THESE DRAWINGS, WHERE APPLICABLE ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL OR ENGINEERING PLANS, CONTRACT AND SPECIFICATIONS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY.
2. DIMENSIONS SHALL NOT BE SCALED FROM THE DRAWINGS. DIMENSIONS SHALL BE CHECKED ON-SITE BEFORE PROCEEDING WITH THE WORK.
3. WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT CURRENT AUSTRALIAN STANDARDS INCLUDING ALL AMENDMENTS AND LGAT-IPWEA APPROVED STANDARD DRAWINGS EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
4. ALL PROPRIETARY ITEMS ARE TO BE INSTALLED AND FIXED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND INSTRUCTIONS.
5. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH CODE OF PRACTICE-SAFE WORKS AUSTRALIA REQUIREMENTS AND OCCUPATIONAL HEALTH AND SAFETY ACT REGULATIONS.
6. SERVICES SHOWN ON THESE DRAWINGS HAVE BEEN EXTRACTED FROM HOBART CITY COUNCIL GIS SYSTEM AND DBYD PLAN. THE POSITION OF EXISTING SERVICES IS APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING SERVICES AND ANY DAMAGE CAUSED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSES.
7. CONFIRM ALL LEVELS ON-SITE PRIOR TO THE COMMENCEMENT OF WORKS.
8. ANY DEPARTURES FROM THE DESIGN DRAWINGS ARE TO BE AT THE WRITTEN APPROVAL OF THE SUPERINTENDENT'S REP.
9. WHERE REQUIRED THE CONTRACTOR SHALL PREPARE AN ELECTRONIC (DWG) FORMAT "AS CONSTRUCTED" DRAWINGS TO THE SATISFACTION OF THE SUPERINTENDENT'S REP SHOWING THE AS INSTALLED LOCATION OF ALL ABOVE AND BELOW GROUND WORKS.

DRAWING REGISTER:

DWG. NO.	DWG. TITLE	REV. NO.
A001	COVER PAGE	B
L-10	LANDSCAPE WORKS - LANDSCAPE PLAN	B
L-20	LANDSCAPE WORKS - LEVELS PLAN	A
L-30	LANDSCAPE WORKS - PLANTING PLAN	A
L-40	LANDSCAPE WORKS - MATERIALS SCHEDULE	A
A002	SITE PLAN	A
A101	DEMOLITION PLAN	A
A201	ARCHITECTURE WORKS - SHELTER PLAN, SECTION & ELEVATION	A
A202	ARCHITECTURE WORKS - SHELTER PERSPECTIVE	A
A203	ARCHITECTURE WORKS - BUS STOP & TOILET PLANS & SECTIONS	B
A204	ARCHITECTURE WORKS - BUS STOP & TOILET ELEVATIONS	A
A205	ARCHITECTURE WORKS - BUS STOP & TOILET PERSPECTIVE 1	A
A206	ARCHITECTURE WORKS - BUS STOP & TOILET PERSPECTIVE 2	A
C201	CIVIL WORKS - GENERAL ARRANGEMENT PLAN	D
C202	CIVIL WORKS - SUMMERLEAS/STEPHENSON INTERSECTION	D
C203	CIVIL WORKS - FERN GLADE CAR PARK	D
C301	CIVIL WORKS - 20 YEAR RAIN EVENT CALCS AND FLOW PATHS	A
C501	CIVIL WORKS - FOOTPATH SECTIONS	A
C901	CIVIL WORKS - COACH TURN PATH	A

REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	FOR DEVELOPMENT APPROVAL	20.03.18



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PROJECT DESCRIPTION FERN TREE PARK VISITOR NODE MASTER PLAN IMPLEMENTATION	DRAWN AO	RFS NUMBER RFS17-0109
DRAWING TITLE COVER PAGE	CHECKED MS	FILE NO F160509_Fern Tree Shelter & Bus Stop.dwg
CLIENT GREG MILNE - BUSHLAND AND RESERVES GROUP	DISCIPLINE A	SHEET SIZE A3
DATE 20/03/18	SHEET NUMBER A001	REVISION B
SCALE NTS		

GENERAL NOTES:

- Existing stacked stone walls to be salvaged and reconstructed in locations as shown on plan.
- Existing Rhododendron spp. and Dicksonia spp. to be retained except where shown to be relocated on site.
- Proposed plant species will be native and local to the Hobart region wherever possible.

IMPACTS ON TREE ROOTS:

Potential impacts of cut, fill and construction works on tree roots to be ameliorated by employing tree protection strategies. Specific strategies will be determined in accordance with consulting arborist in design development and construction stages. Refer Attached Tree Inclined Report by Jerry Romanski: "Fern Tree Park Trees: Development Impact Assessment".



- CHICANES TO SLOW CYCLES ON FIRE TRAIL
- 5 X LARGE BOULDERS TO PLAYGROUND PERIMETER
- LOW FENCE (1000mm HIGH) TO BOUNDARY OF DECK
- 900mm HIGH DECK WALL WITH ROCK CLIMBING FIXTURES
- RAISED TIMBER DECK CONSTRUCTED AROUND EXISTING TREES. ANTI-SLIP DECKING STRIPS TO BE INSTALLED IN HIGH TRAFFIC AREAS. FOOTINGS TO BE INSTALLED IN LOCATIONS DETERMINED BY ARBORIST.
- BOULDER WALLS (MAX HEIGHT 900mm)
- TIMBER PLATFORM WITH ROCK CLIMBING FIXTURES. ANTI-SLIP DECKING STRIPS TO BE INSTALLED.
- EXISTING RHODODENDRON GARDEN - TO BE RETAINED
- STEPPING STONES OVER DRY CREEKBED
- TIMBER BRIDGE OVER EXPOSED TREE ROOTS
- ANTI-SLIP DECKING STRIPS TO BE INSTALLED
- BOULDER WALL (MAX HEIGHT 900mm)
- CRUSHED GRAVEL SEATING AREA TO SIDE OF TRACK WITH PICNIC TABLE, SMALL TREES AND BOULDERS
- NEW CRUSHED GRAVEL ACCESS PATH (1000mm)
- NEW LIGHTWEIGHT STEEL STAIRS TO UPPER TRACK
- BOULDERS TO BE PLACED UNDERNEATH (11 risers and 10 treads)
- NEW PICNIC SHELTER (REFER ARCHITECTURAL PLAN)
- REMOVE AND RELOCATE 5 X FERN TREES TO BEHIND NEW PICNIC SHELTER
- GRASS MOUND INFORMAL SEATING (800mm HEIGHT) TO SIDE OF BUILDING
- PLACEMENT OF CHICANES TO SLOW BICYCLE RIDERS
- SMALL ACCESS PATH TO PICNIC AREA (800mm width)
- CRUSHED GRAVEL SEATING AREA ADJACENT TO TRACK
- NEW BENCH SEAT (DESIGN TBD)
- RETAIN EXISTING STONE WALL - ADD INTERPRETIVE PANELS
- RETAIN EXISTING STAIRS ACCESS TO PIPELINE TRACK
- NEW PLANTING AND 1000 HIGH CORTEN FENCE BEHIND EXISTING STONE WALL

2 X CHILDPROOF PLAYGROUND GATES
 REMOVE 3 X UNHEALTHY TREES
 1 x Pomaderis aspera
 2 x Bedfordia salicina
 SALVAGED TIMBER LOG

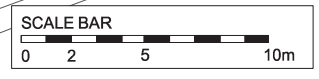
NEW STEPS TO ROAD FROM CHURCH GROUNDS (12 risers, 11 treads)
 REMOVE EXISTING STONE SHED. PLANT IN PLACE SHADE TOLERANT SHRUBS AND GROUNDCOVER (SPECIES TO MATCH THOSE IN EXISTING GARDEN BED)
 EXISTING PATH

- EXISTING GRAVEL FIRE TRAIL (TO BE RESURFACED)
- LOW SHRUBS AND GROUNDCOVERS
- SHADE-TOLERANT GROUNDCOVER PLANTING
- PERMEABLE CONCRETE PAVING PICNIC AREA
- NEW EXPOSED AGGREGATE PATHWAY (1200m WIDTH)
- NEW CORTEN FENCE (1000 HIGH) SIMILAR IN DESIGN TO FENCING USED ON TWIN BRIDGES ON PIPELINE TRAIL.
- SANDPIT TO BASE OF ROCK WALL
- REMOVED TREES
- RETAIN AND IMPROVE CONCRETE FOOTPATH (REFER CIVIL ENGINEERING SPEC)
- CLIMBING ROPES OVER BOULDER WALL
- SMALL TIMBER SEAT IN SANDPIT
- EXPOSED AGGREGATE CONCRETE STAIRS
- NEW EUCALYPT TREE IN BARK MULCH
- 200 WIDTH CONCRETE CHANNEL SURROUNDED BY "DRY CREEKBED" PLAY FEATURE: PLACE GRAVEL, BOULDERS AND PLANTS IN BARK MULCH BASE TO LOCATIONS SHOWN.
- "RAINGARDEN" PLANTING AROUND END POINT OF CONCRETE CHANNEL. INCLUDE OVERFLOW PIT TO CONNECT THROUGH WALL TO PIT IN FOOTPATH.
- EXPOSED AGGREGATE PATH (1200mm - 1500mm WIDTH)
- 1m PLANTING BARRIER BETWEEN FOOTPATH AND HUON ROAD
- SMALL (< 1m) SHADE TOLERANT SHRUBS
- TIMBER SEATING TO EDGE OF PLAY AREA
- ROPE CLIMB/TIMBER STUMP PLAY FEATURE IN BARK MULCH
- 2 X PARK BENCHES AND SMALL TIMBER/CONCRETE "CHESS" TABLE ON PERMEABLE PAVING
- SMALL (<1m) ORNAMENTAL SHRUBS TO SIDE OF STAIRS

- PERMEABLE PAVING APRON (1000mm WIDE)
- EXPOSED AGGREGATE CONCRETE ENTRY STAIRS TO PARK (8x 160mm RISERS, 7 x 350mm TREADS)
- NEW PARK SIGNAGE TO BE AFFIXED TO RECONSTRUCTED STONE WALL
- NEW EXPOSED AGGREGATE CONCRETE STAIRS (6 x 160mm RISERS, 5 x 350mm TREADS)
- NEW CORTEN FENCE (1000 HIGH) SIMILAR IN DESIGN TO FENCING USED ON TWIN BRIDGES ON PIPELINE TRAIL.
- EXPOSED AGGREGATE PATH (2000mm width)
- SANDSTONE SETT PAVING APRON (1000mm WIDE)

SURFACES LEGEND

- BOULDER WALL
- EXPOSED AGGREGATE PATH
- CONCRETE PATH
- SANDSTONE SETT FEATURE
- CRUSHED GRAVEL PATH
- BARK MULCH
- GARDEN BED
- GRASS
- EXTENT OF WORKS
- TIMBER DECK OR BRIDGE
- CORTEN STEEL FENCE
- FEATURE BOULDER(S)
- EXISTING STONE RETAINING WALL
- NEW RETAINING WALL
- EXISTING TREE
- PROPOSED TREE OR SHRUB
- TREE - TO BE REMOVED



DATE	AMENDMENTS	REV

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Project
FERN TREE PARK REDEVELOPMENT

Sheet Title
L-10 LANDSCAPE PLAN (FOR DEVELOPMENT APPROVAL)

ORIGINAL DRG. SIZE A1			
Drawn	ESS/EH	Date	18.06.18
Approved	JD	Scale	1:150 @ A1 1:300 @ A3
Project No.	17-31	Drawing No.	L-10



GENERAL NOTES:

- Existing stacked stone walls to be salvaged and rebuilt to locations shown on plan.
- Existing Rhododendron spp. and Dicksonia spp. to be retained except where shown to be relocated on site.
- Proposed plant species will be native and local to the Hobart region wherever possible.

IMPACTS ON TREE ROOTS:

Potential impacts of cut, fill and construction works on tree roots to be ameliorated by employing tree protection strategies. Specific strategies will be determined in accordance with consulting arborist in design development and construction stages. Refer Attached Tree Inclined Report by Jerry Romanski: "Fern Tree Park Trees: Development Impact Assessment".

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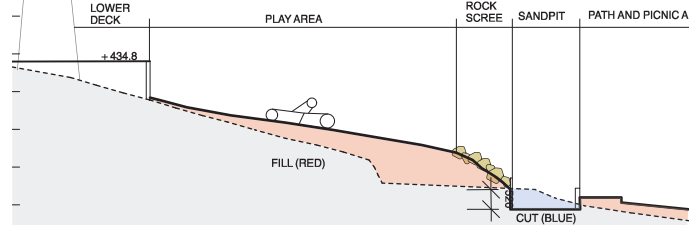
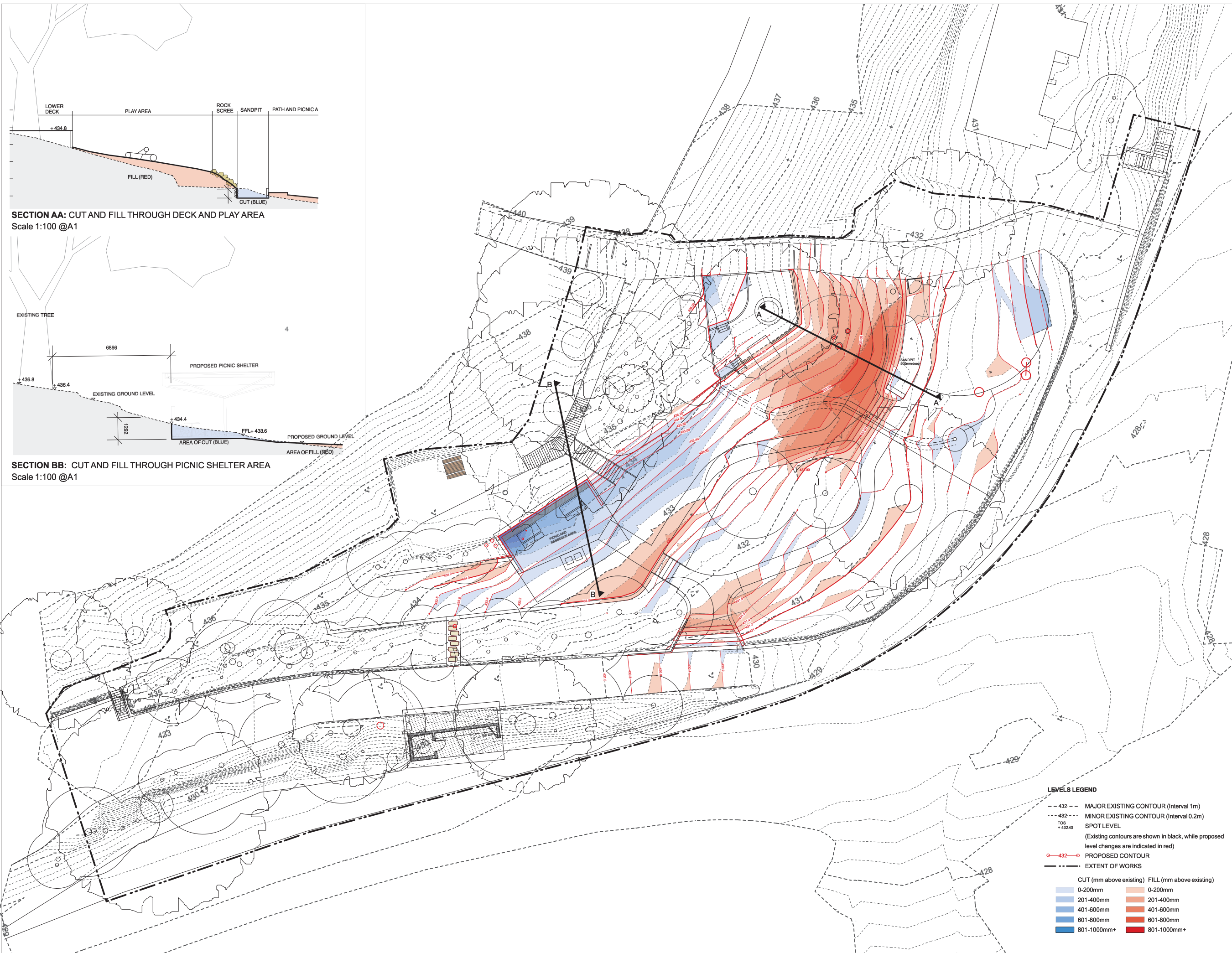
Project
FERN TREE PARK REDEVELOPMENT

Sheet Title
**L-20 LEVELS PLAN
 (FOR DEVELOPMENT APPROVAL)**

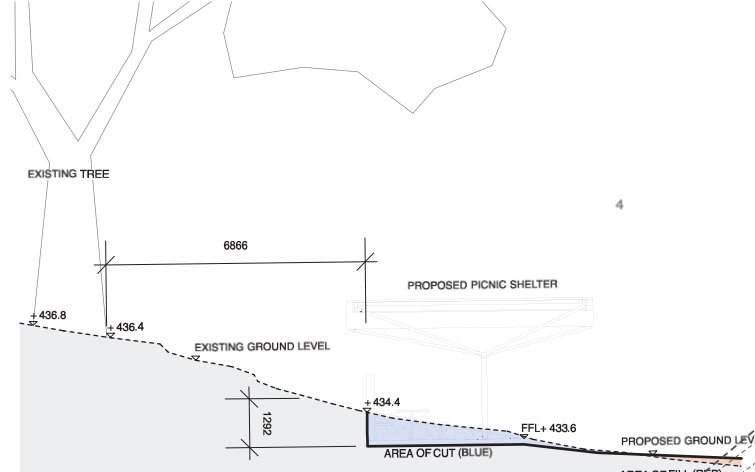
ORIGINAL DRG. SIZE: A1

Scale	Drawn	Date
1:150 @ A1	ESS/EH	18.06.18
1:300 @ A3	JD	
Project No	Drawing No	
17-31	L-20	

- LEVELS LEGEND**
- - 432 - - MAJOR EXISTING CONTOUR (Interval 1m)
 - - - 432 - - MINOR EXISTING CONTOUR (Interval 0.2m)
 - TOS
+ 432.40 SPOT LEVEL
(Existing contours are shown in black, while proposed level changes are indicated in red)
 - 432 ○ PROPOSED CONTOUR
 - - - - - EXTENT OF WORKS



SECTION AA: CUT AND FILL THROUGH DECK AND PLAY AREA
Scale 1:100 @A1



SECTION BB: CUT AND FILL THROUGH PICNIC SHELTER AREA
Scale 1:100 @A1

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Project
FERN TREE PARK REDEVELOPMENT

Sheet Title
CUT AND FILL DIAGRAM / SECTIONS (FOR DEVELOPMENT APPROVAL)

ORIGINAL DRG. SIZE: A1

Drawn ESS/EH	Date 18.06.18
Approved JD	Scale 1:150 @ A1 1:300 @ A3
Project No. 17-31	Drawing No. L-21

LEVELS LEGEND

- 432 --- MAJOR EXISTING CONTOUR (Interval 1m)
- 432 --- MINOR EXISTING CONTOUR (Interval 0.2m)
- SPOT LEVEL
(Existing contours are shown in black, while proposed level changes are indicated in red)
- 432 --- PROPOSED CONTOUR
- EXTENT OF WORKS

CUT (mm above existing)	FILL (mm above existing)
0-200mm	0-200mm
201-400mm	201-400mm
401-600mm	401-600mm
601-800mm	601-800mm
801-1000mm+	801-1000mm+



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Project
FERN TREE PARK REDEVELOPMENT

Sheet Title
L-30 PLANTING PLAN (FOR DEVELOPMENT APPROVAL)

ORIGINAL DRG. SIZE: A1

PLANTING LEGEND

- EXISTING TREE OR FERN - TO BE RETAINED
- EXISTING TREE OR FERN - TO BE REMOVED
- NEW OR TRANSPLANTED TREE
- NEW MEDIUM SHRUB (1-2m height)
- NEW SMALL SHRUB (<1m height)
- GROUNDCOVER PLANTING
- EXTENT OF WORKS

Scale	Drawn	Date
1:150 @ A1	ESS/EH	18.06.18
1:300 @ A3	JD	
Project No	Drawing No	
17-31	L-30	

FERNTREE PARK - LANDSCAPE MATERIALS PALETTE

PATHS AND PAVING



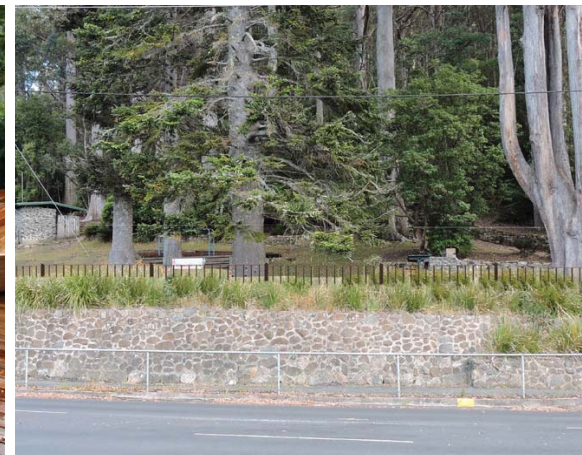
Sandstone cobblestones Cobblestone apron Exposed ag. path - Hanson Imagecrete 'Derwent' Permeable concrete paving Crushed limestone gravel path Stone steps Timber bridge

TIMBER DECK



Spotted Gum Timber Decking around existing tree

FENCING



Corten fencing (900mm high)

PARK FURNITURE (as per Wellington Park Design Manual)



Picnic table



BBQ

NATURE PLAY ELEMENTS



Boulder Rope Climb (max height 1.5m)



Timber stumps and salvaged logs



Timber 'rockclimb' feature to deck



Dry creekbed - local stone and native wetland plants

NOTE: All materials and construction to adhere to Wellington Trust Design and Infrastructure Manual

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Project
FERN TREE PARK REDEVELOPMENT

Sheet Title
**L-40 MATERIALS SCHEDULE
 (FOR DEVELOPMENT APPROVAL)**

ORIGINAL DRG. SIZE: A1

	Drawn ESS/EH	Date 18.06.18
Approved JD	Scale 1:150 @ A1 1:300 @ A3	Drawing No. L-40
Project No. 17-31	Drawing No. L-40	



NEW BLACKWATER STORAGE TANKS
2x5000l (7 DAY STORAGE @ PEAK
TIME)
HIGH LEVEL ALARM SYSTEM @ 400l
WITH 2500l BACKUP (2.5 DAYS)

NEW BUS STOP & TOILET UNDER
PARKS & CITY AMENITY
DIVISION MANAGEMENT WHEN
CONSTRUCTED, DETAIL REFER TO
DWG. NO. A203 - A206

NEW STORMWATER CONNECTION INTO
NEW KERB & GUTTER

CONNECT TO EXISTING COUNCIL
STORMWATER SPOON TRAIN

CIVIL DETAIL REFER TO DWG.
NO. C201 - C203

EXTEND EXISTING SPOON DRAIN INTO
NEW GRATED DRAIN INTO NEW
GUTTER.
REFER TO CIVIL DRAWINGS FOR
DETAIL


LANDSCAPE DETAIL REFER TO
DWG. NO. L-10 - L-40

NEW SHELTER DETAIL REFER TO
DWG. NO. A201 - A202

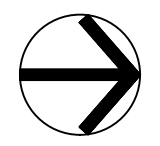
CONNECT INTO EXISTING
STORMWATER DRAIN

EXTEND EXISTING SPOON DRAIN INTO
NEW GRATED DRAIN DISCHARGE INTO
NEW GUTTER.
REFER TO CIVIL DRAWINGS FOR
DETAIL

REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	FOR DEVELOPMENT APPROVAL	20.03.18
B	STORMWATER INFORMATION ADDED	



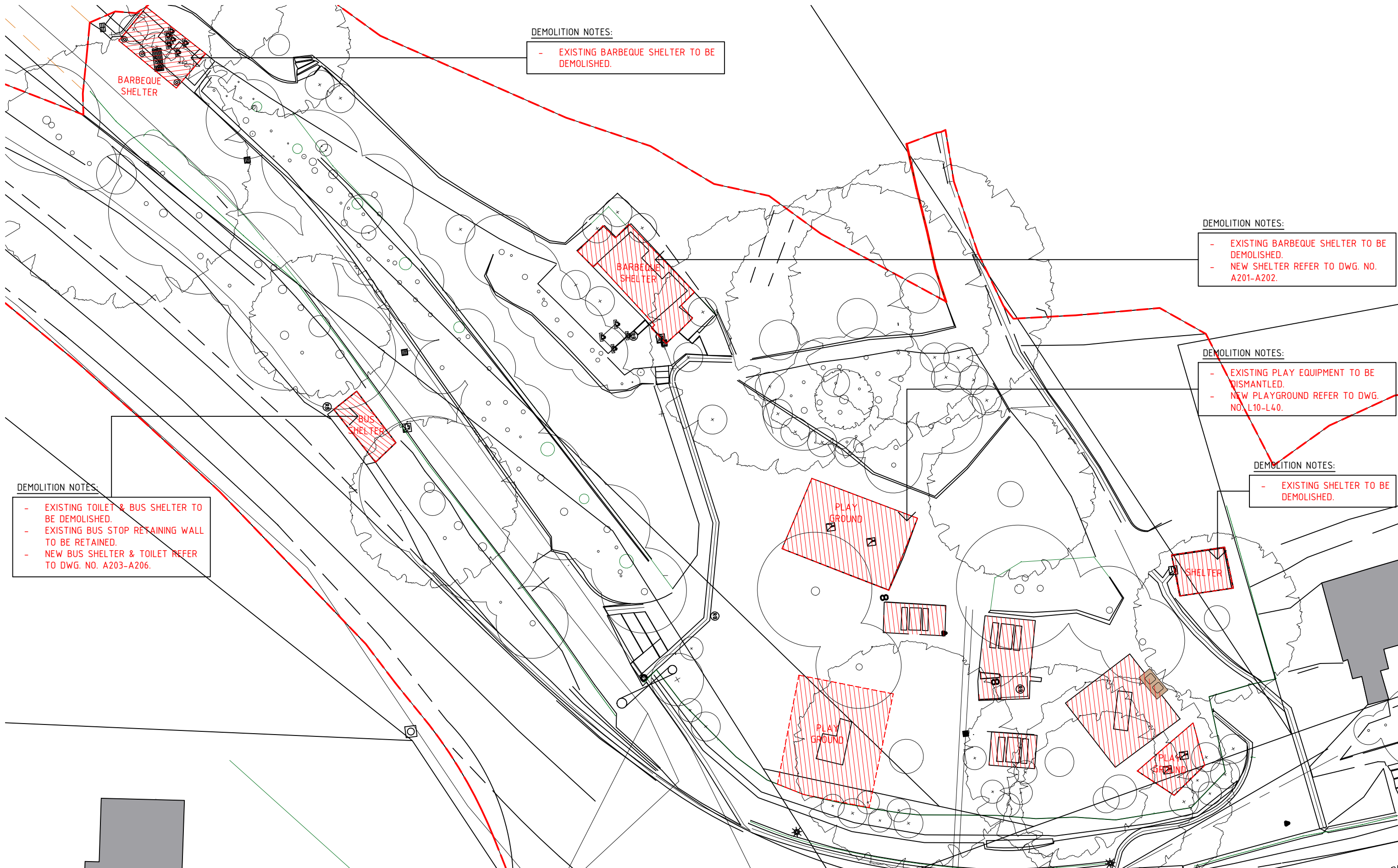
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FERN TREE PARK VISITOR NODE MASTER PLAN IMPLEMENTATION
 DRAWING TITLE
ARCHITECTURE WORKS - SITE PLAN
 CLIENT
GREG MILNE - BUSHLAND AND RESERVES GROUP

DRAWN	RFS NUMBER
AO	RFS17-0109
CHECKED	File0509_Fern Tree Shelter & Bus Stop.dwg
MS	
DISCIPLINE	SHEET SIZE
A	A3
SHEET NUMBER	REVISION
A002	B

DATE 20/03/18
 SCALE 1:250



DEMOLITION NOTES:
 - EXISTING BARBEQUE SHELTER TO BE DEMOLISHED.

DEMOLITION NOTES:
 - EXISTING BARBEQUE SHELTER TO BE DEMOLISHED.
 - NEW SHELTER REFER TO DWG. NO. A201-A202.

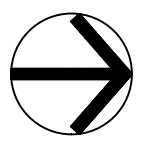
DEMOLITION NOTES:
 - EXISTING PLAY EQUIPMENT TO BE DISMANTLED.
 - NEW PLAYGROUND REFER TO DWG. NO. L10-L40.

DEMOLITION NOTES:
 - EXISTING SHELTER TO BE DEMOLISHED.

DEMOLITION NOTES:
 - EXISTING TOILET & BUS SHELTER TO BE DEMOLISHED.
 - EXISTING BUS STOP RETAINING WALL TO BE RETAINED.
 - NEW BUS SHELTER & TOILET REFER TO DWG. NO. A203-A206.

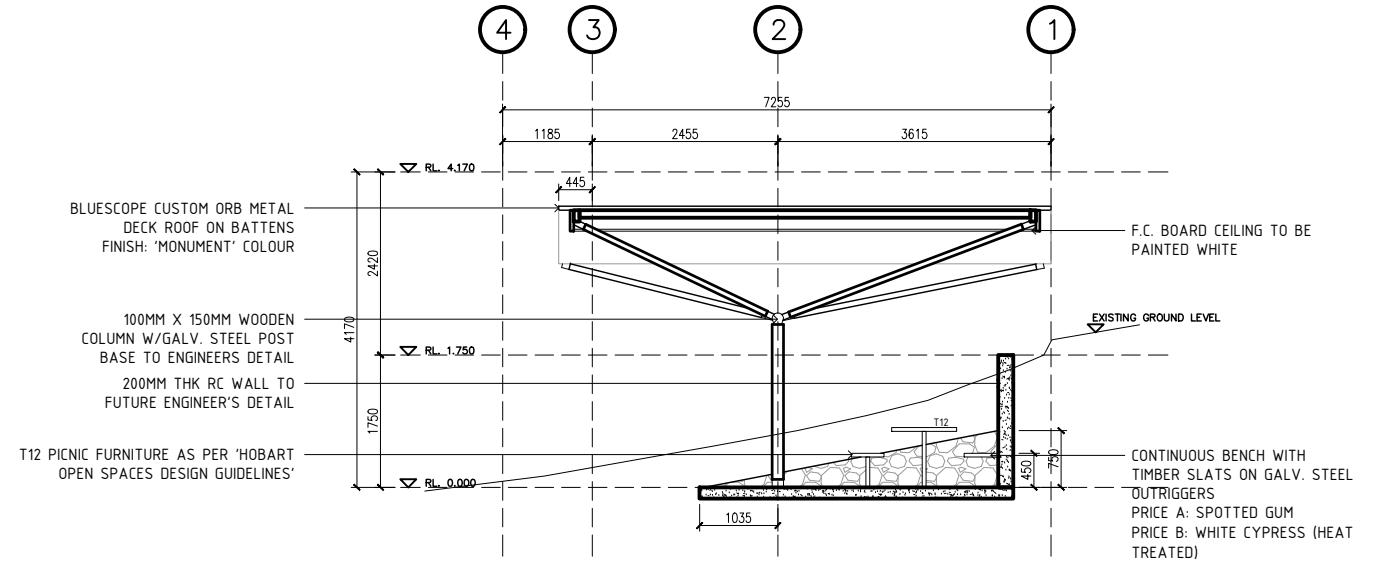
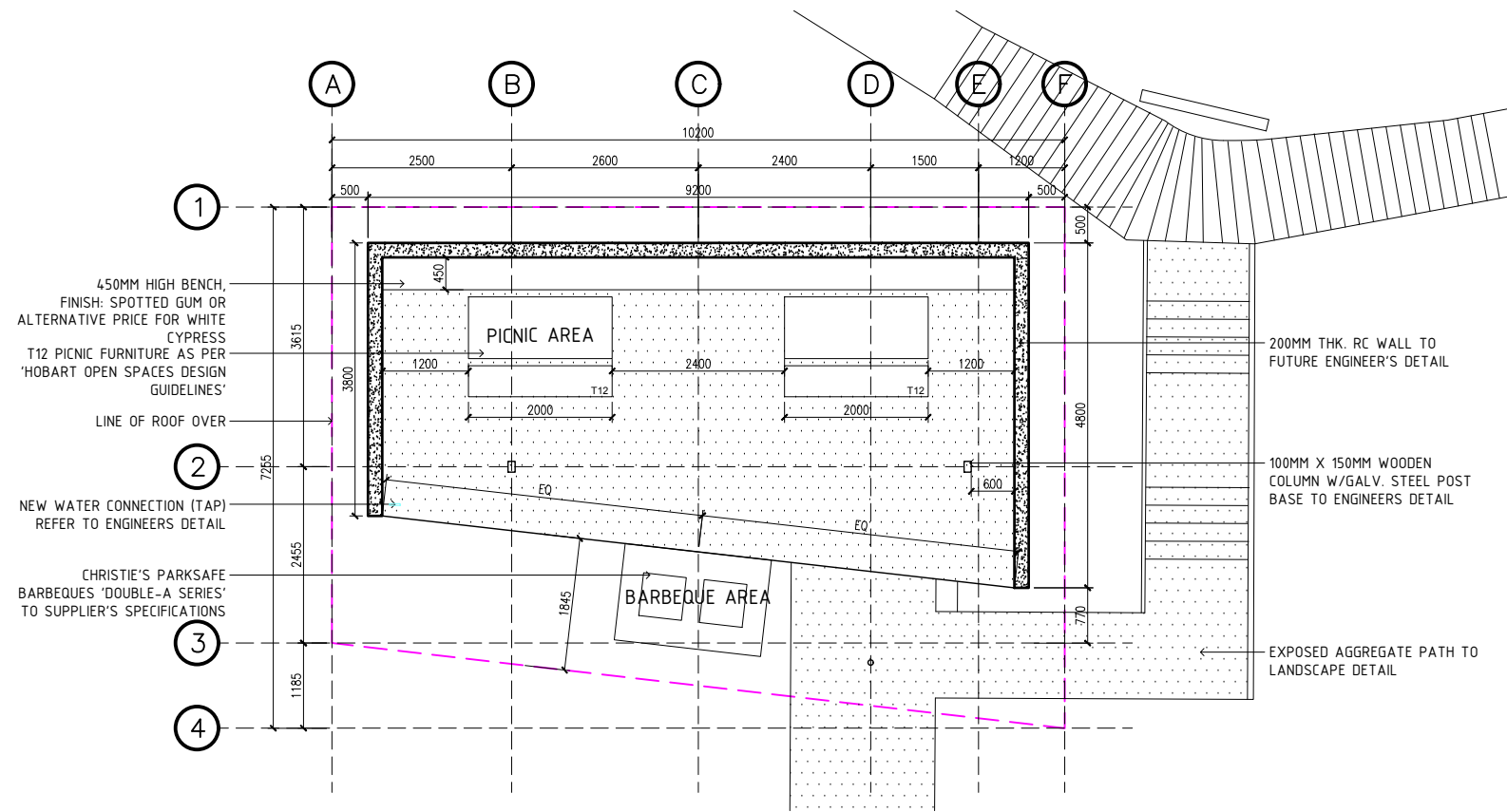
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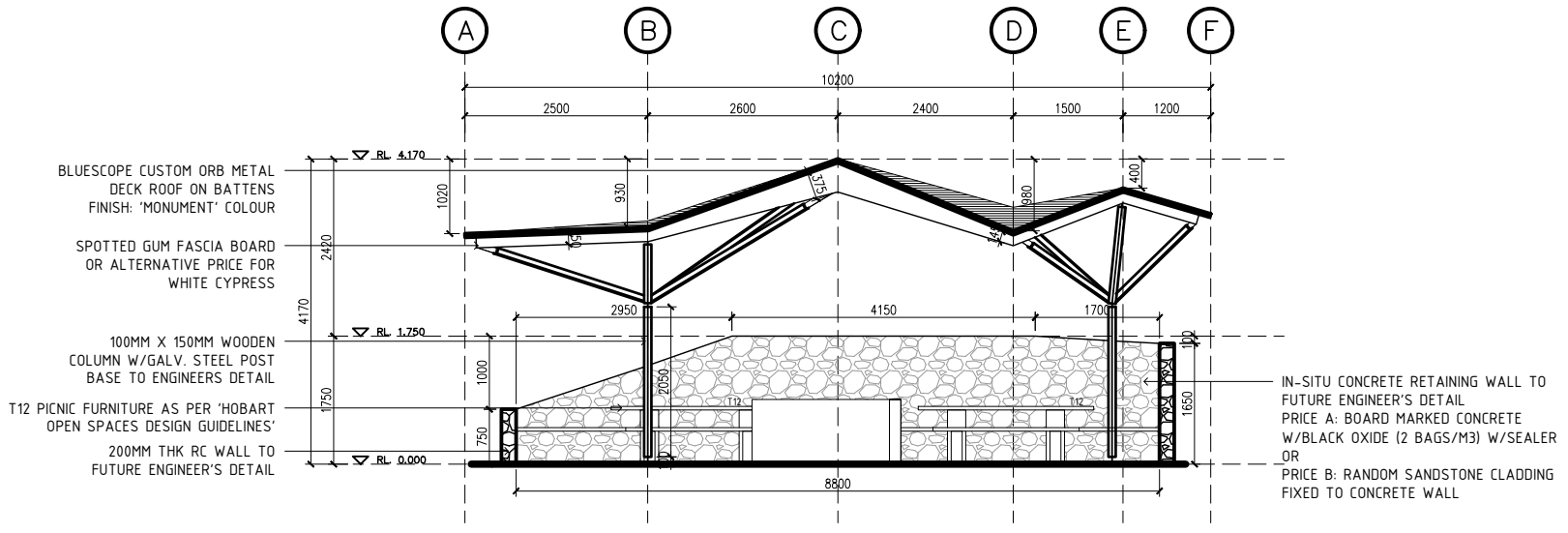
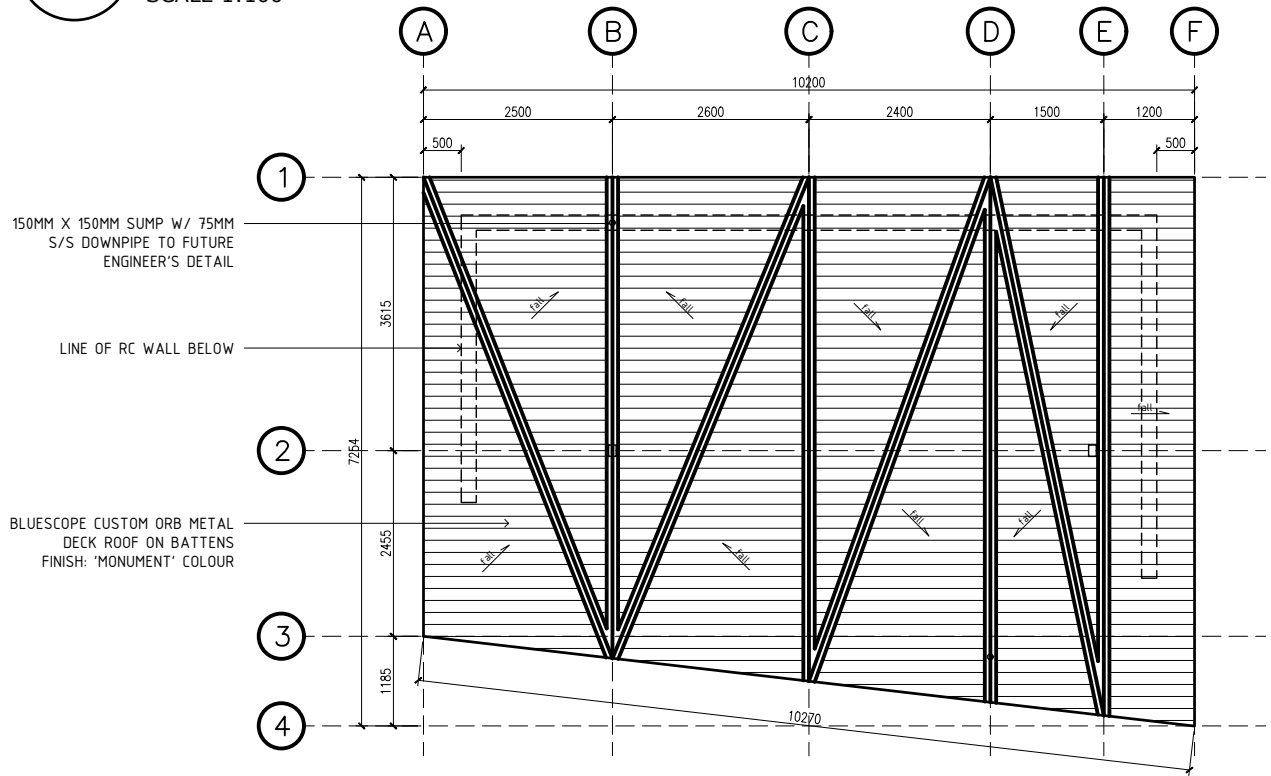
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DISCIPLINE	SHEET SIZE
A	A3
DATE	SHEET NUMBER
20/03/18	A101
SCALE	REVISION
1:250	A



01 Floor Plan
SCALE 1:100

03 Section 01
SCALE 1:100



02 Roof Layout
SCALE 1:100

04 Street Elevation
SCALE 1:100

REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	FOR DEVELOPMENT APPROVAL	20.03.18

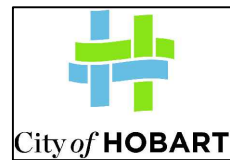


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CLIENT GREG MILNE - BUSHLAND AND RESERVES GROUP		DISCIPLINE A	SHEET SIZE A3
DATE 20/03/18		SHEET NUMBER A201	
SCALE 1:100		REVISION A	

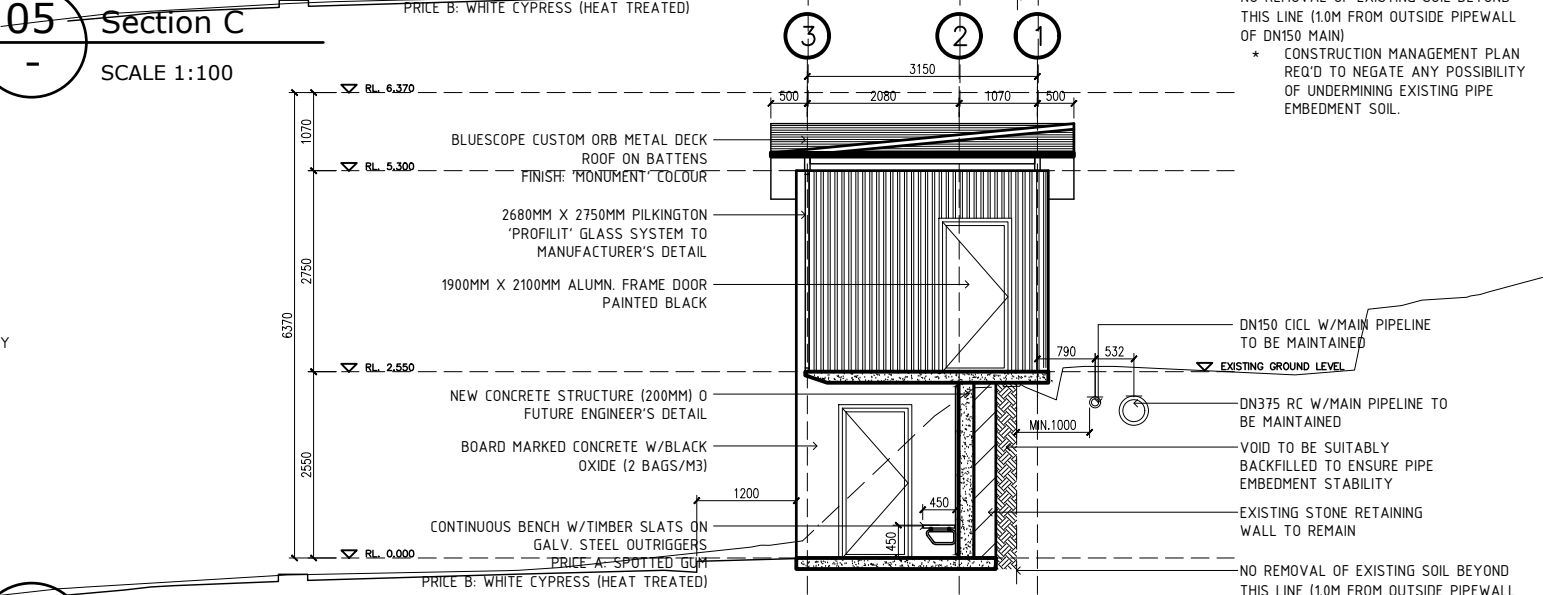
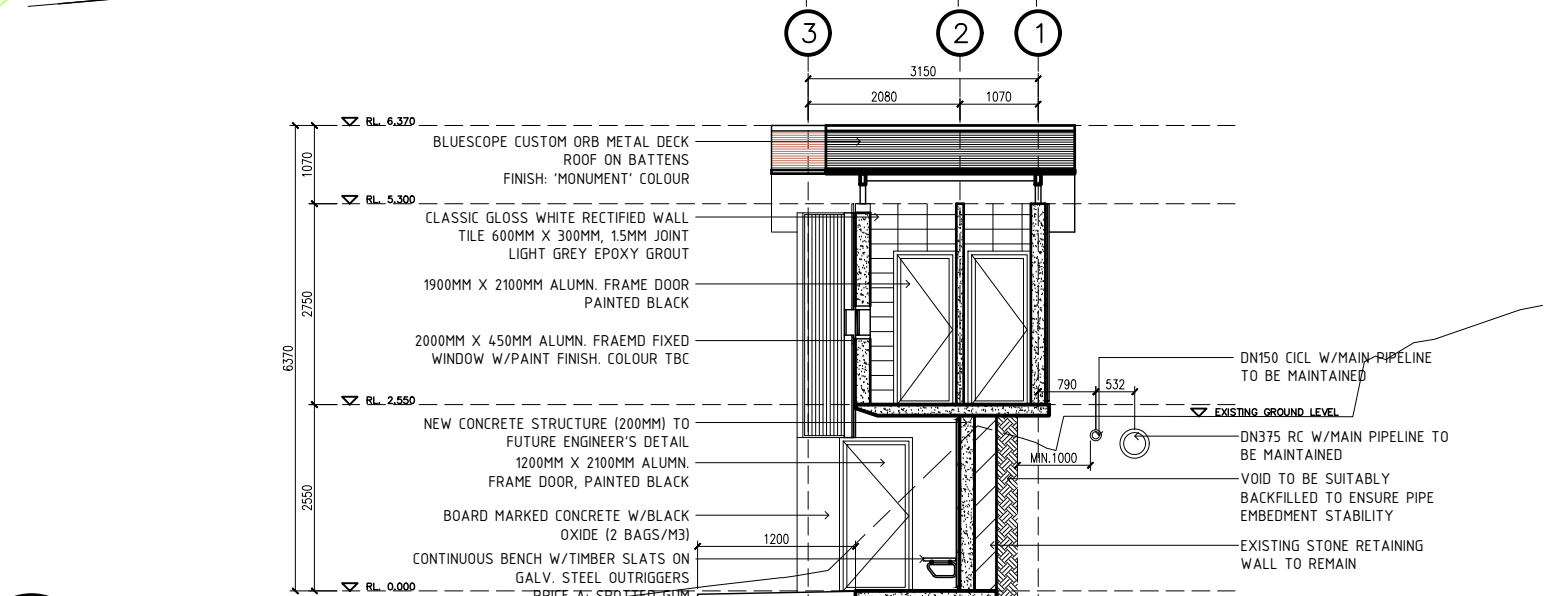
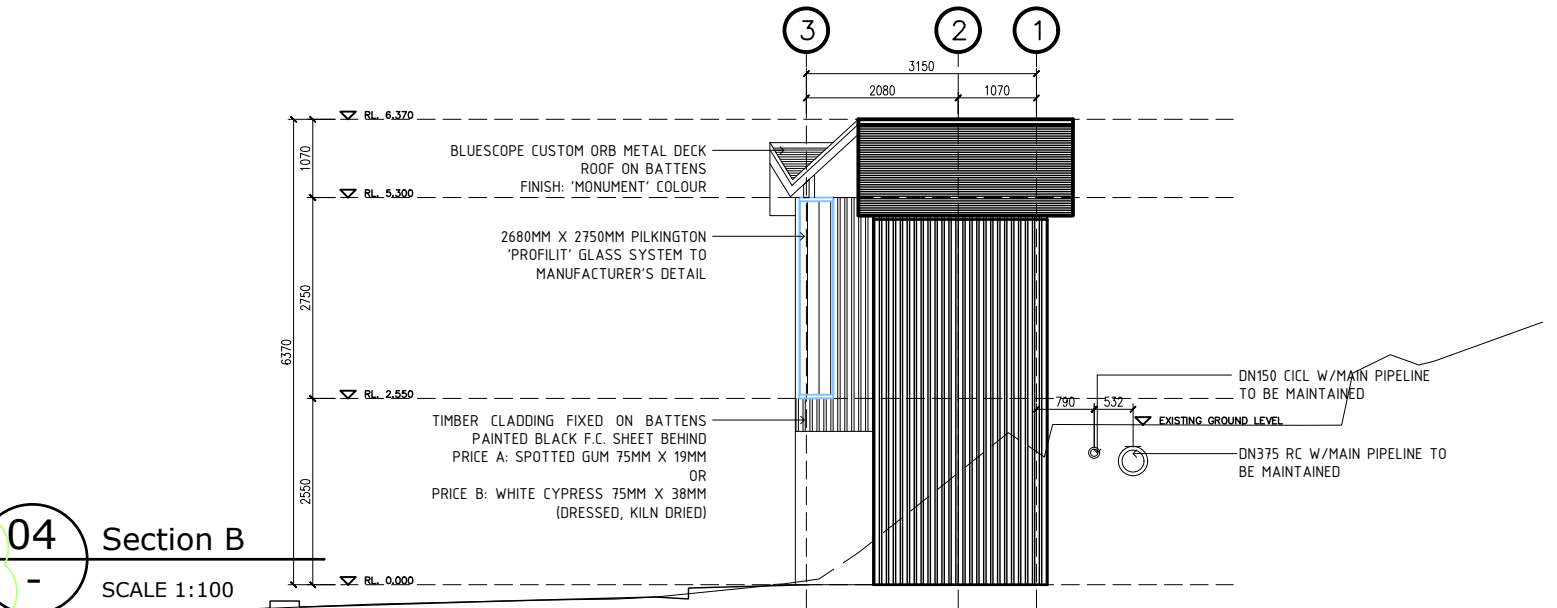
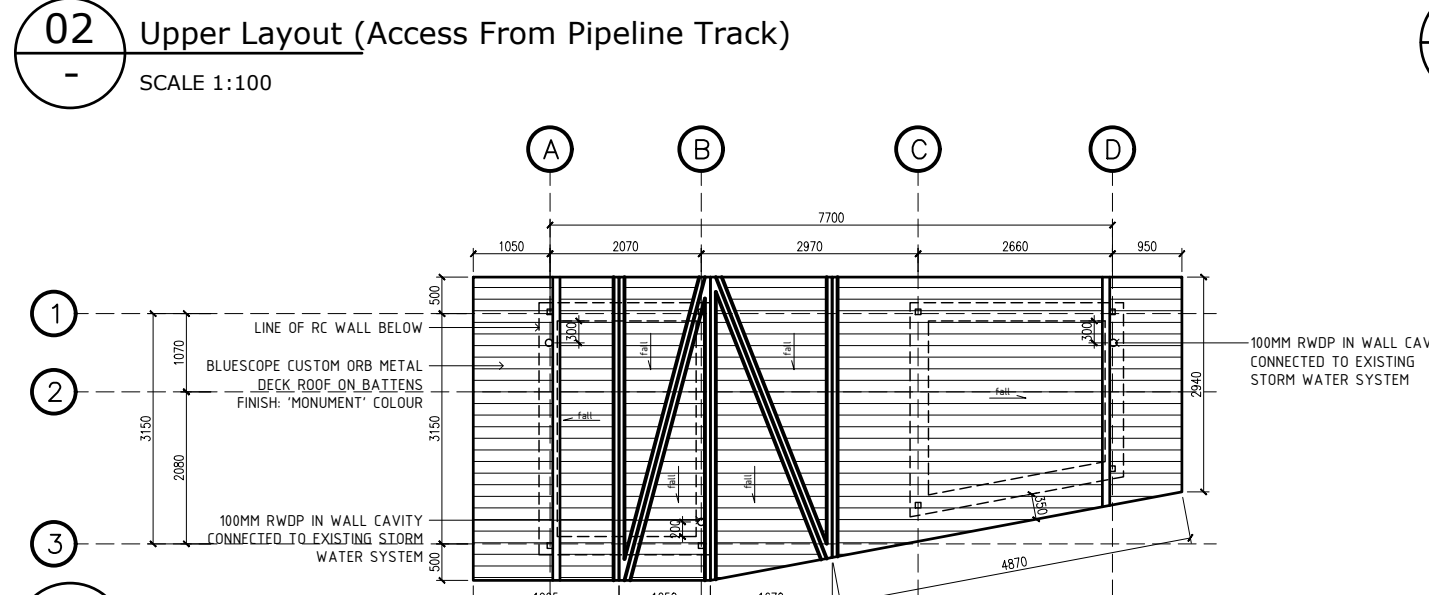
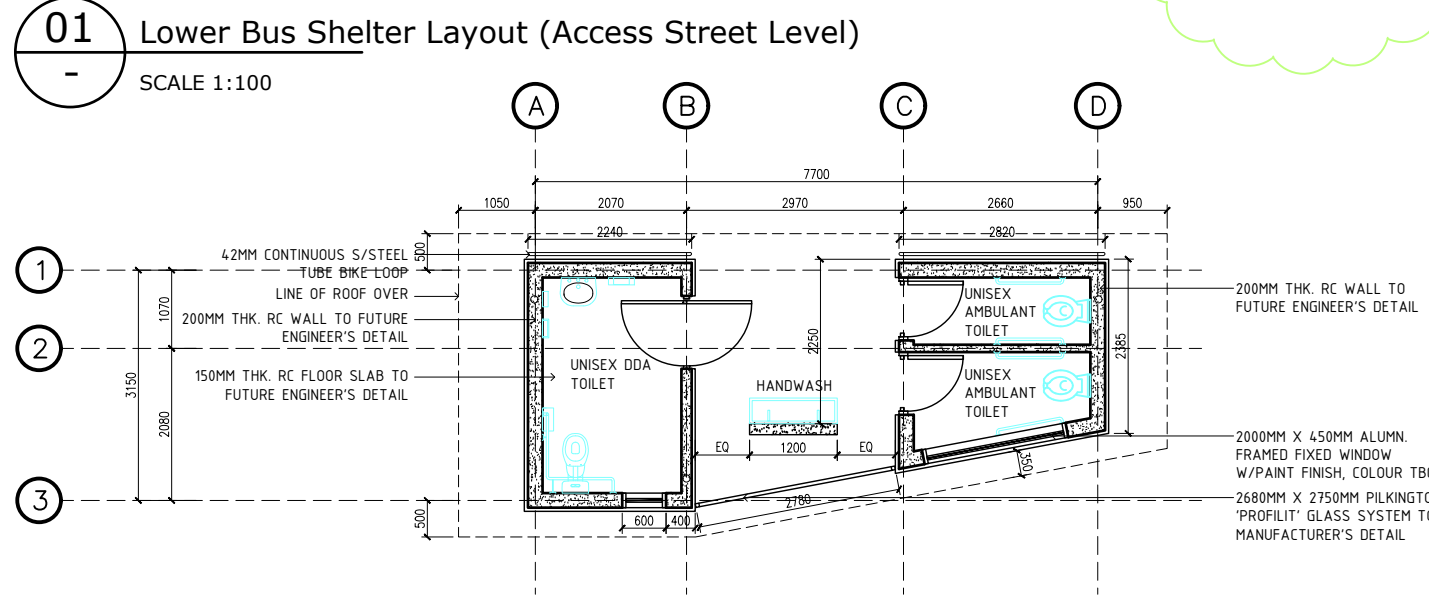
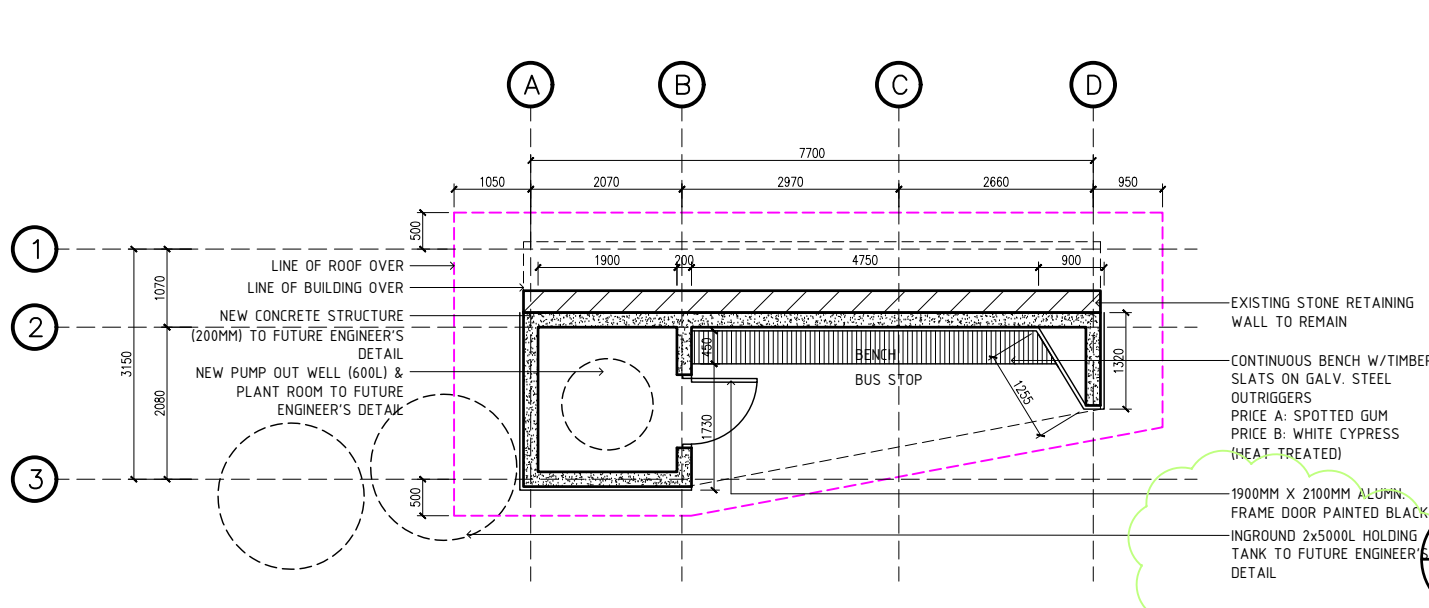


REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	FOR DEVELOPMENT APPROVAL	20.03.18



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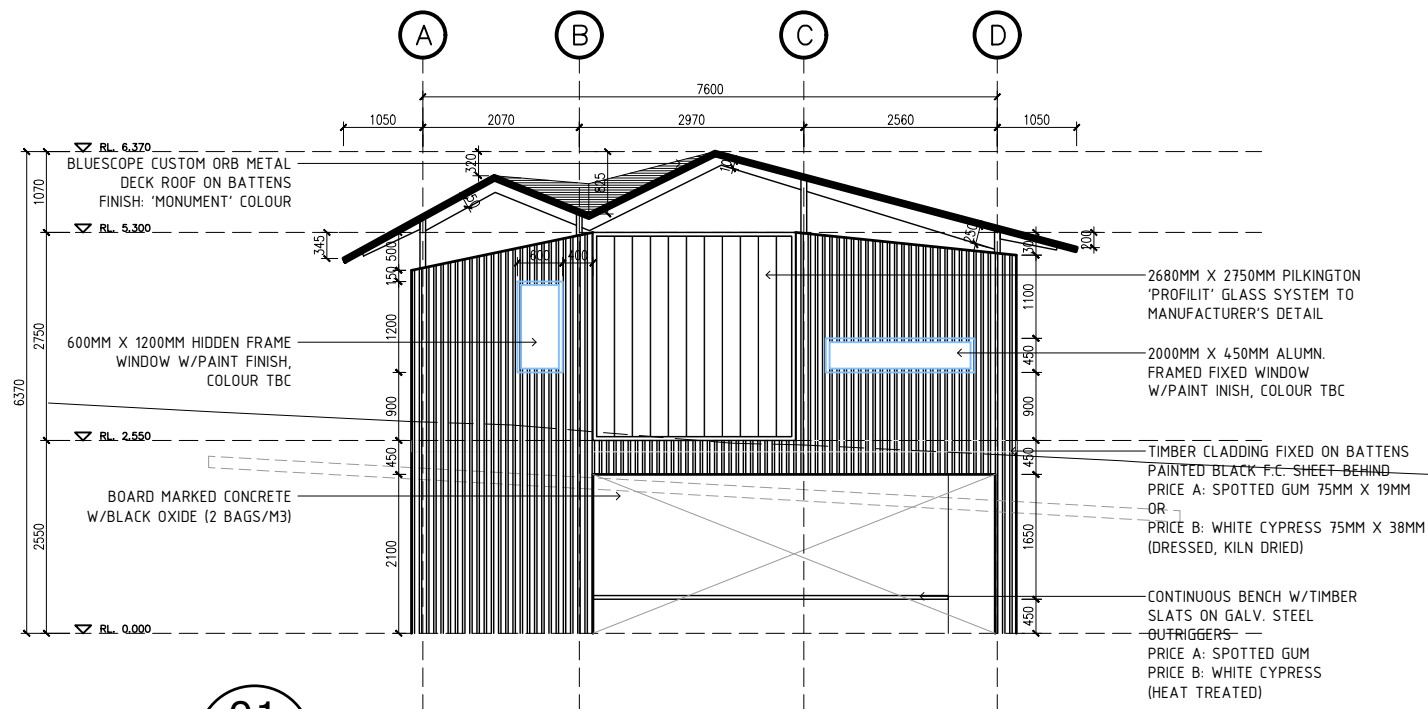
PROJECT DESCRIPTION		DRAWN	RFS NUMBER
FERN TREE PARK VISITOR NODE MASTER PLAN IMPLEMENTATION		A0	RFS17-0109
DRAWING TITLE		CHECKED	FILE
ARCHITECTURE WORKS - SHELTER PERSPECTIVE		MS	H0509_Fern Tree Shelter & Bus Stop.dwg
CLIENT		DISCIPLINE	SHEET SIZE
GREG MILNE - BUSHLAND AND RESERVES GROUP		A	A3
DATE	SHEET NUMBER	REVISION	
20/03/18	A202	A	
SCALE			
NTS			



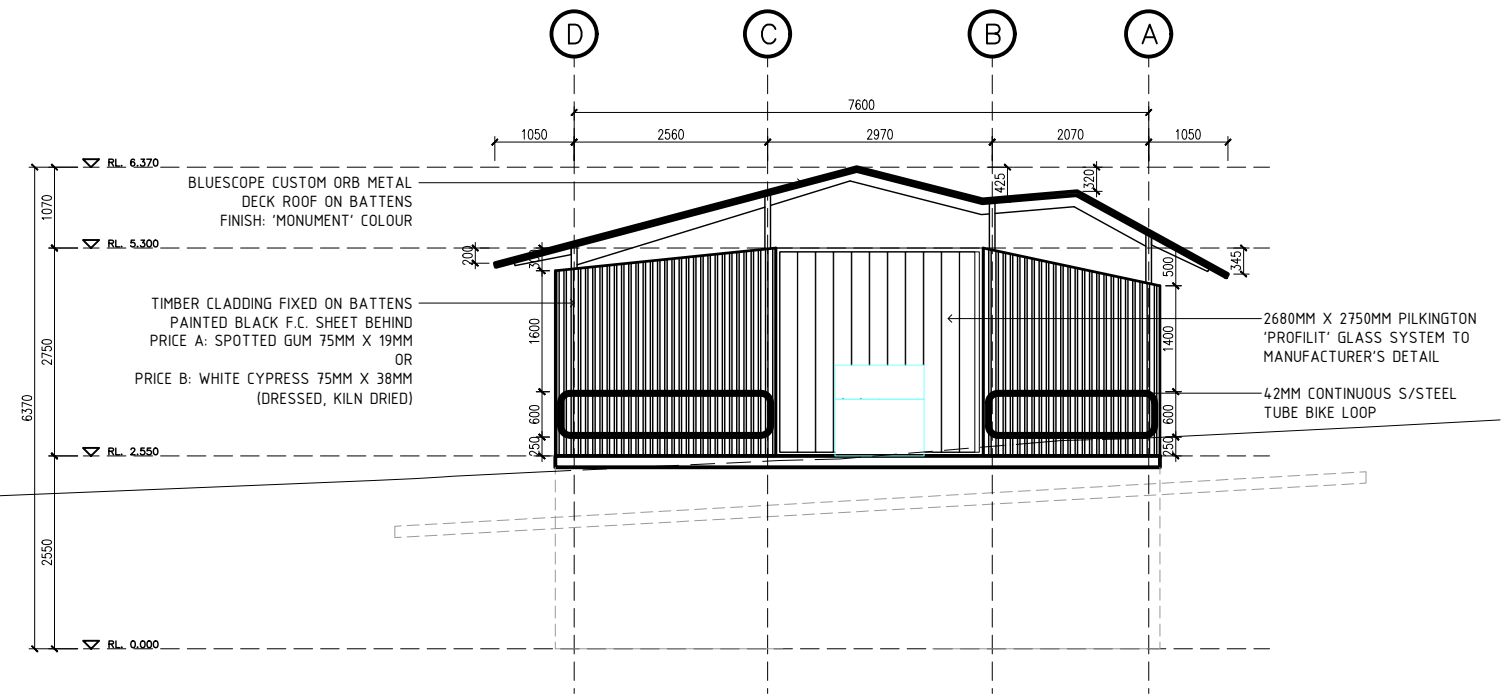
REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	FOR DEVELOPMENT APPROVAL	20/03/18
B	HOLDING TANK SIZE ADJUSTED	



PROJECT DESCRIPTION		DRAWN	RFS NUMBER
FERN TREE PARK VISITOR NODE MASTER PLAN IMPLEMENTATION		A0	RFS17-0109
DRAWING TITLE		CHECKED	FILE
ARCHITECTURE WORKS - BUS STOP & TOILET PLANS & SECTIONS		MS	180509_Fern Tree Shelter & Bus Stop.dwg
CLIENT		DISCIPLINE	SHEET SIZE
GREG MILNE - BUSHLAND AND RESERVES GROUP		A	A3
DATE		SHEET NUMBER	REVISION
20/03/18		A203	B
SCALE			
1:100			



01 Street Elevation
-
SCALE 1:100



02 Pipeline Track Elevation
-
SCALE 1:100

REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	FOR DEVELOPMENT APPROVAL	20.03.18



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PROJECT DESCRIPTION		DRAWN	RFS NUMBER
FERN TREE PARK VISITOR NODE MASTER PLAN IMPLEMENTATION		A0	RFS17-0109
DRAWING TITLE		CHECKED	FILE
ARCHITECTURE WORKS - BUS STOP & TOILET ELEVATIONS		MS	180509_Fern Tree Shelter & Bus Stop.dwg
CLIENT		DISCIPLINE	SHEET SIZE
GREG MILNE - BUSHLAND AND RESERVES GROUP		A	A3
DATE		SHEET NUMBER	REVISION
20/03/18		A204	A
SCALE		1:100	



REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	FOR DEVELOPMENT APPROVAL	20.03.18



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PROJECT DESCRIPTION		DRAWN	RFS NUMBER
FERN TREE PARK VISITOR NODE MASTER PLAN IMPLEMENTATION		AO	RFS17-0109
DRAWING TITLE		CHECKED	FILE
ARCHITECTURE WORKS - BUS STOP & TOILET PERSPECTIVE 1		MS	180509_Fern Tree Shelter & Bus Stop.dwg
CLIENT		DISCIPLINE	SHEET SIZE
GREG MILNE - BUSHLAND AND RESERVES GROUP		A	A3
DATE		SHEET NUMBER	REVISION
20/03/18		A205	A
SCALE		NTS	

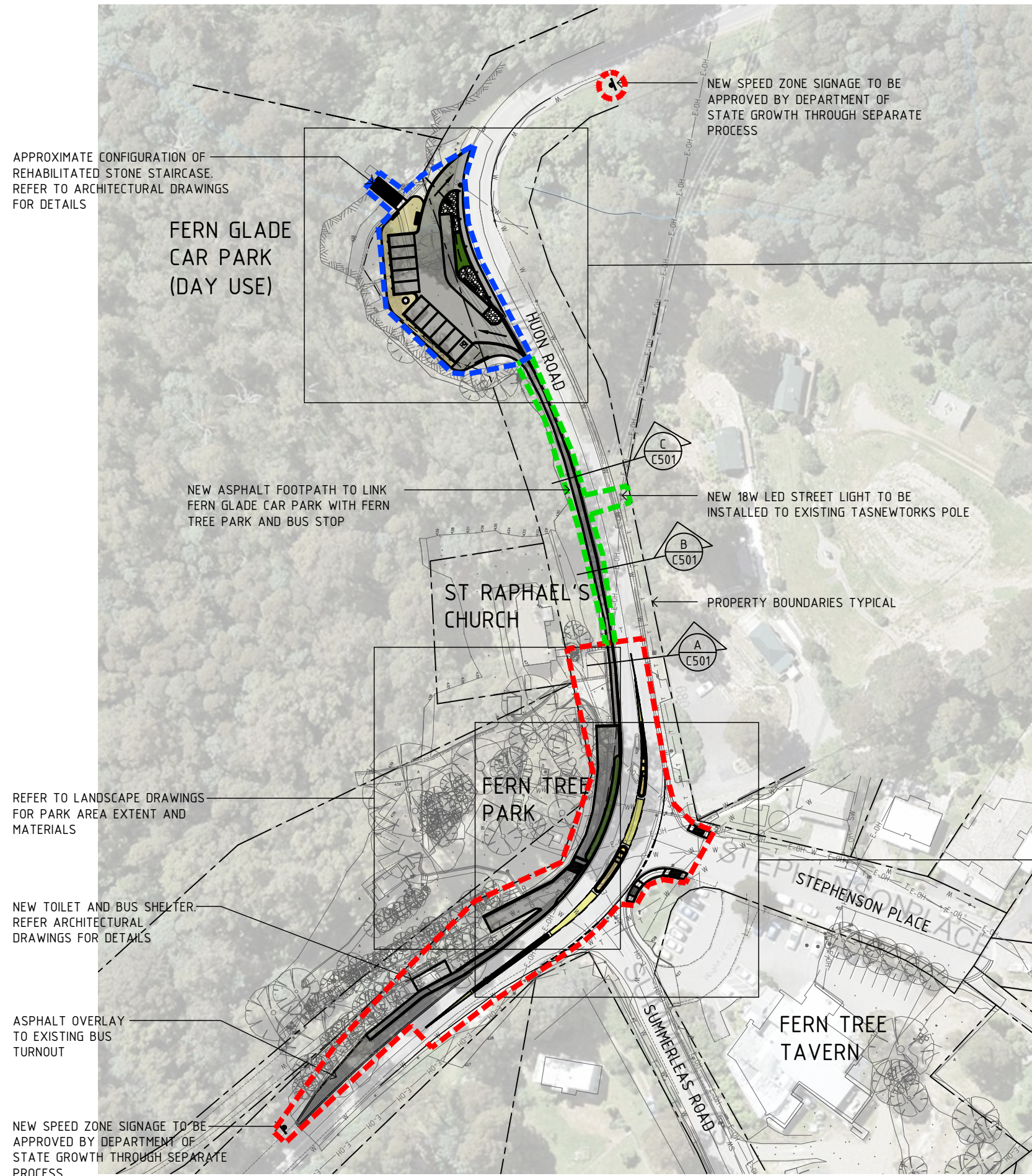


REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	FOR DEVELOPMENT APPROVAL	20.03.18



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FERN TREE PARK VISITOR NODE MASTER PLAN IMPLEMENTATION		A0	RFS17-0109
DRAWING TITLE		CHECKED	FILE
ARCHITECTURE WORKS - BUS STOP & TOILET PERSPECTIVE 2		MS	180509_Fern Tree Shelter & Bus Stop.dwg
CLIENT	DATE	DISCIPLINE	SHEET SIZE
GREG MILNE - BUSHLAND AND RESERVES GROUP	20/03/18	A	A3
	SCALE	SHEET NUMBER	REVISION
	1:100	A206	A



CIVIL NOTES:

1. LIGHT GREY LINES REPRESENT EXISTING CONDITIONS. DARK BLACK LINES AND HATCHING REPRESENT THE EXTENT OF NEW CIVIL WORKS. FOR NEW ARCHITECTURAL AND LANDSCAPE WORK REFER TO THE ARCHITECTURAL AND LANDSCAPE DRAWING PACKAGES RESPECTIVELY
2. NEW AND UPGRADED FOOTPATHS WITHIN THE ROAD RESERVATION WILL BE CONSTRUCTED IN GENERAL ACCORDANCE WITH TASMANIAN STANDARD DRAWING TSD-R11-v1 AND TO THE SATISFACTION OF THE DIRECTOR CITY INFRASTRUCTURE
3. NEW KERB AND GUTTER AND VEHICULAR CROSSINGS WITHIN THE ROAD RESERVATION WILL BE CONSTRUCTED IN GENERAL ACCORDANCE WITH TASMANIAN STANDARD DRAWING TSD-R14-v1 AND TO THE SATISFACTION OF THE DIRECTOR CITY INFRASTRUCTURE
4. NEW VEE CHANNEL VEHICULAR CROSSING TO BE CONSTRUCTED IN ACCORDANCE WITH TASMANIAN STANDARD DRAWING TSD-R14-v1 AND TO THE SATISFACTION OF THE DIRECTOR CITY INFRASTRUCTURE
5. ALL NEW KERB RAMPS WILL BE CONSTRUCTED IN ACCORDANCE WITH TASMANIAN STANDARD DRAWING TSD-R18-v1 AND TO THE SATISFACTION OF THE DIRECTOR CITY INFRASTRUCTURE
6. ALL NEW MEDIAN ISLANDS WILL BE DESIGNED AND CONSTRUCTED IN GENERAL ACCORDANCE WITH TASMANIAN STANDARD DRAWING TSD-R20-v1 AND TO THE SATISFACTION OF THE DIRECTOR CITY INFRASTRUCTURE

CIVIL MATERIAL NOTES:

1. NEW CONCRETE KERBS TO BE TYPE KC KERB WITH 10mm SPRAY SEAL FROM THE LIP TO THE INVERT
2. NEW ASPHALT FOOTPATHS TO BE 1200mm MINIMUM WIDTH AND BE FINISHED WITH A CONTINUOUS STEEL EDGE TO THE BACK OF THE FOOTPATH

CIVIL WORKS CONSTRUCTION STAGING LEGEND:

- - - - - STAGE 1. WORKS DIRECTLY ASSOCIATED WITH THE FERN TREE PARK ENTRANCE AND SPEED ZONE SIGNAGE
- - - - - STAGE 2. WORKS DIRECTLY ASSOCIATED WITH THE FERN GLADE CAR PARK UPGRADE
- - - - - STAGE 3. CONSTRUCTION OF THE FOOTPATH CONNECTING FERN TREE PARK AND FERN GLADE CAR PARK INCLUDING NEW STREET LIGHT

CIVIL WORKS SCOPE

Scale 1:1000

REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	FOR QUANTITY SURVEYOR	02.03.18
B	DA SUBMISSION	28.03.18
C	DA SUBMISSION	08.05.18
D	DA ADDITIONAL INFORMATION REQUEST	29.05.18

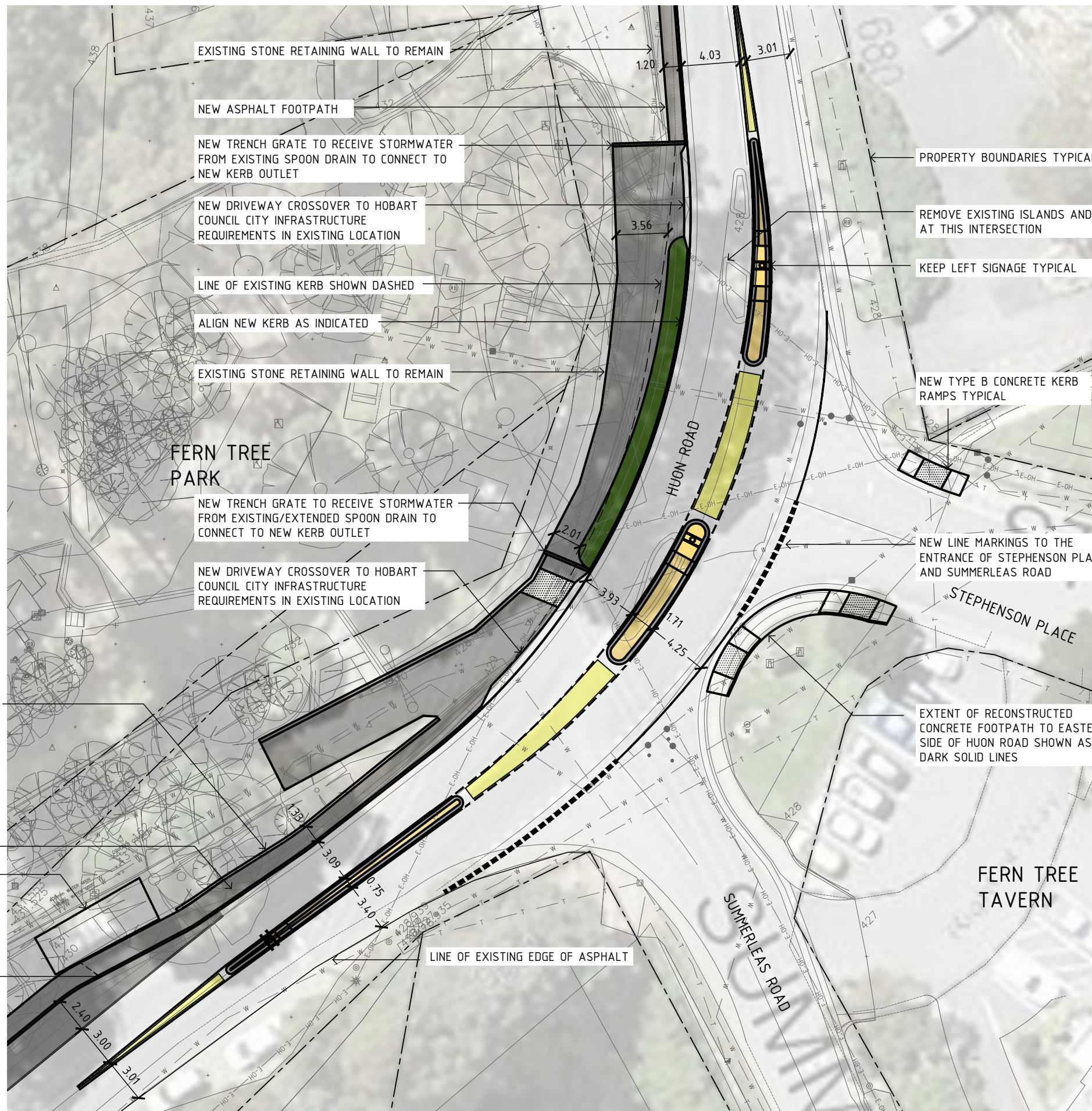


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PROJECT DESCRIPTION FERN TREE PARK VISITOR NODE MASTER PLAN IMPLEMENTATION		DRAWN RU	RFS NUMBER RFS17-0109
DRAWING TITLE CIVIL WORKS - GENERAL ARRANGEMENT PLAN		CHECKED GPT	FILE 17-0109_FERN_TREE_WD.dwg
CLIENT GREG MILNE - BUSHLAND AND RESERVES GROUP		DISCIPLINE C	SHEET SIZE A3
DATE 29/05/18		SHEET NUMBER C201	
SCALE 1:1000		REVISION D	



LEGEND:

-  NEW ASPHALT SURFACE
-  NEW UNSEALED WALKWAY WITH GRAVEL GLUE AND STEEL EDGING TO CLIFF SIDE
-  NEW LANDSCAPE BED TO BE GROUND COVERS TO MATCH NEW PLANTING AT TOP OF ADJACENT RETAINING WALL
-  NEW EXPOSED AGGREGATE CONCRETE (COLOUR TO MATCH NEW PICNIC AREA IN FERN TREE PARK)
-  NEW COLOURED CONCRETE PARTIALLY RAISED AND PARTIALLY FLUSH MEDIAN ISLANDS
-  NEW CALCIUM BAUXITE PAINTED MEDIAN

NOTES:

1. A LIGHTING DESIGN WILL BE CONDUCTED DURING DETAILED DESIGN TO ENSURE NEW MEDIAN ISLANDS WILL BE LIT TO AUSTRALIAN STANDARDS

EXTEND EXISTING STONE RETAINING WALL AS INDICATED. MAX HEIGHT ABOVE FOOTPATH SURFACE TO BE NO GREATER THAN 500mm. TO BE CONSTRUCTED TO THE SATISFACTION OF THE DIRECTOR CITY INFRASTRUCTURE

NEW ASPHALT FOOTPATH
FOR NEW TOILET BLOCK AND BUS SHELTER REFER TO ARCHITECTURAL DRAWINGS

NEW STORMWATER KERB OUTLET

REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	FOR QUANTITY SURVEYOR	02.03.18
B	DA SUBMISSION	28.03.18
C	DA SUBMISSION	08.05.18
D	DA ADDITIONAL INFORMATION REQUEST	29.05.18



City of HOBART

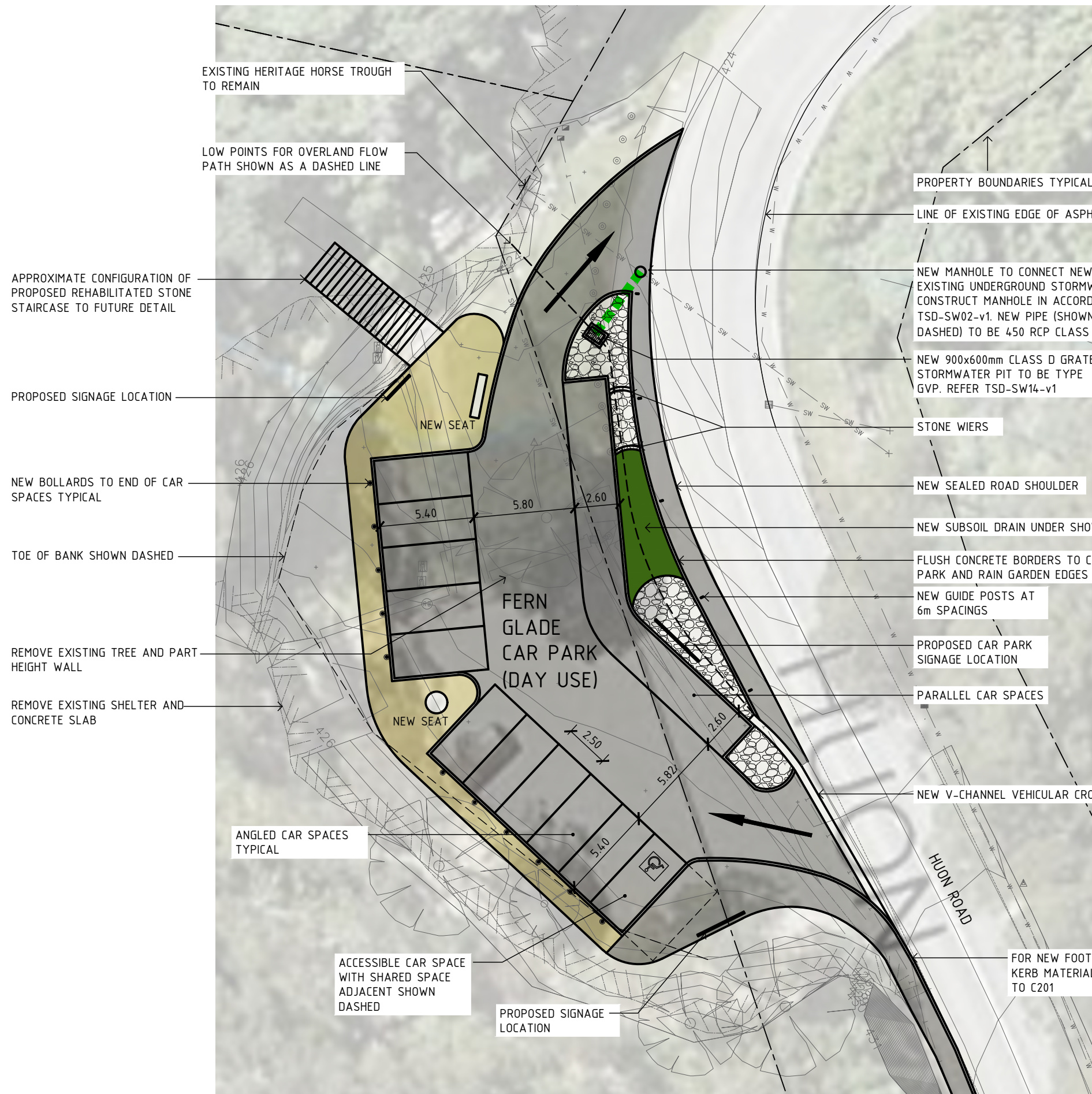
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PROJECT DESCRIPTION FERN TREE PARK VISITOR NODE MASTER PLAN IMPLEMENTATION		DRAWN RU	RFS NUMBER RFS17-0109
DRAWING TITLE CIVIL WORKS - SUMMERLEAS/ STEPHENSON INTERSECTION		CHECKED GPT	FILE 17-0109_FERN_TREE_WD.dwg
CLIENT GREG MILNE - BUSHLAND AND RESERVES GROUP		DISCIPLINE C	SHEET SIZE A3
DATE 29/05/18		SHEET NUMBER C202	
SCALE 1:300		REVISION D	

SUMMERLEAS/ STEPHENSON INTERSECTION

Scale 1:300



- LEGEND:**
- NEW ASPHALT FOOTPATH AND CAR PARK SURFACE. CAR PARK ASPHALT AREA = 415m². EXISTING CAR PARK HAS 11 CAR SPACES. RE-SURFACED CAR PARK WILL HAVE 16 CAR SPACES (5 ADDITIONAL)
 - NEW UNSEALED WALKWAY WITH GRAVEL GLUE AND STEEL EDGING TO CLIFF SIDE
 - NEW LANDSCAPE SWALE TO BE GROUND COVER PLANTS NO HIGHER THAN 700mm
 - FIXED ROCK SWALE TO ACT AS DIFFUSER FOR FLOWING STORMWATER

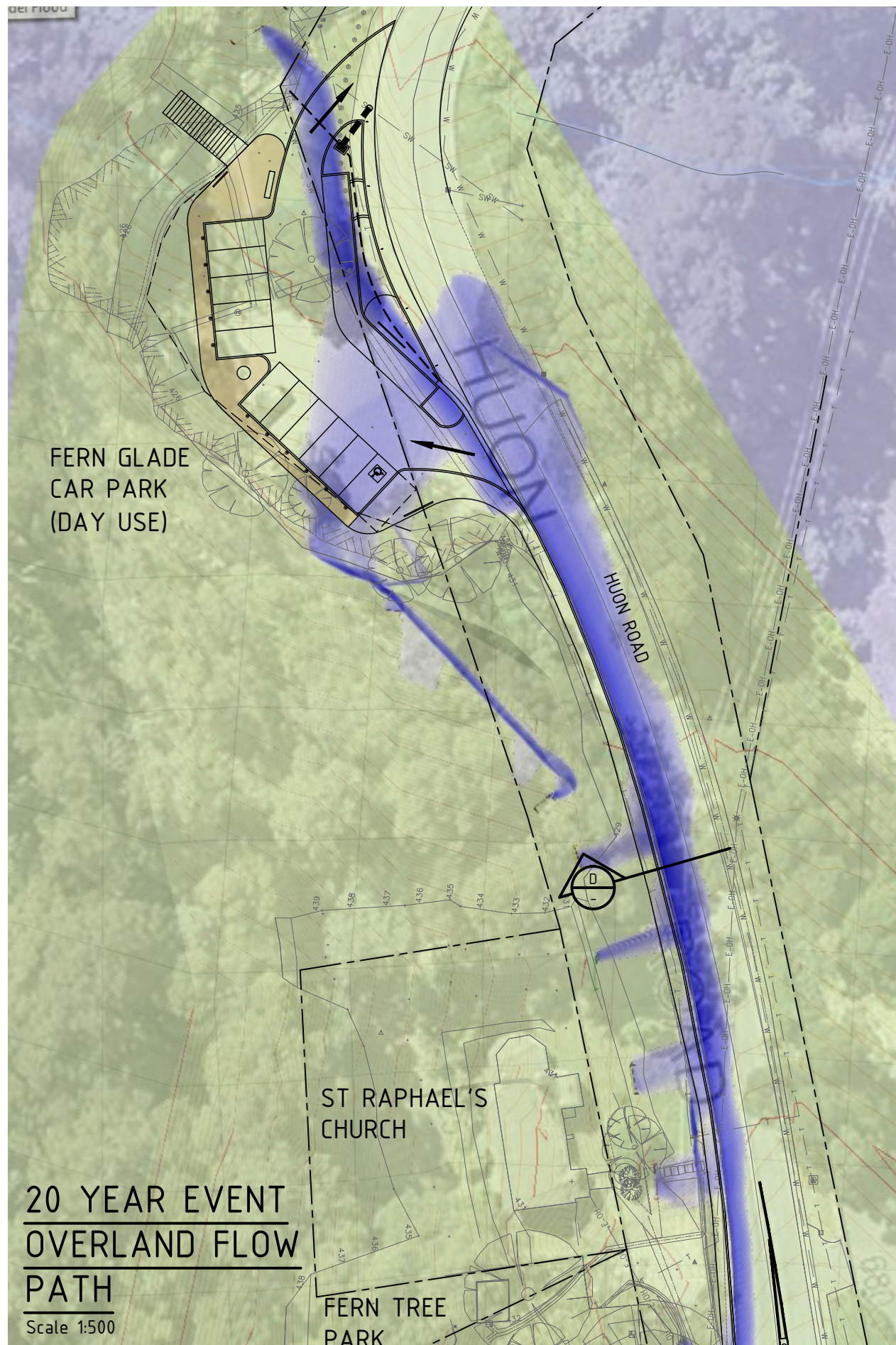
FERN GLADE CAR PARK (DAY USE)

Scale 1:250

REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	FOR QUANTITY SURVEYOR	02.03.18
B	DA SUBMISSION	28.03.18
C	DA SUBMISSION	08.05.18
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PROJECT DESCRIPTION		DRAWN	RFS NUMBER
FERN TREE PARK VISITOR NODE MASTER PLAN IMPLEMENTATION		RU	RFS17-0109
DRAWING TITLE		CHECKED	FILE
CIVIL WORKS - FERN GLADE CAR PARK		GPT	17-0109_FERN_TREE_WD.dwg
CLIENT		DISCIPLINE	SHEET SIZE
GREG MILNE - BUSHLAND AND RESERVES GROUP		C	A3
DATE		SHEET NUMBER	REVISION
29/05/18		C203	D
SCALE			
1:250			



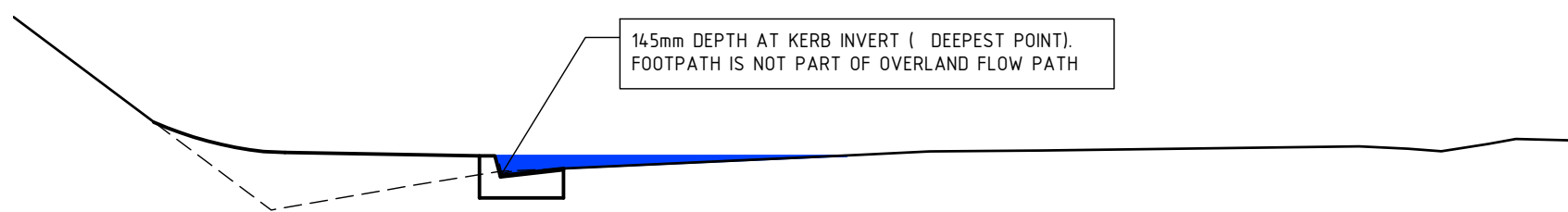
CATCHMENT AREA

Scale NA

CATCHMENT CHARACTERISTICS								
CATCHMENT	CATCHMENT AREA	TRAVEL DISTANCE	AVERAGE SLOPE	RUNOFF COEFFICIENT	OVERLAND FLOW TIME	RECCURENCE INTERVAL	RAINFALL INTENSITY	TOTAL CATCHMENT DISCHARGE FLOW
	A_c (ha)	L (m)	S_c (%)	C	t_c (min) $t_c = 92.7L(A_c^{-1} S_c^{-1/2})$ [Bransby Williams formula NAASRA (1996)]	(ARI)	I_c (mm/hr)	Q_c (m ³ /s) $Q_c = CA_c I_c / 36$ [Rational formula NAASRA (1996)]
Area 2	5.700000	370	3.700	0.5	14.0	1	21.2	0.168
						2	28.7	0.227
						5	40.8	0.323
						10	49.3	0.390
						20	61	0.483
						50	77	0.610
						100	91	0.720

CALCULATIONS FOR 20 YEAR EVENT

Scale NA



SECTION D - MAXIMUM WATER DEPTH

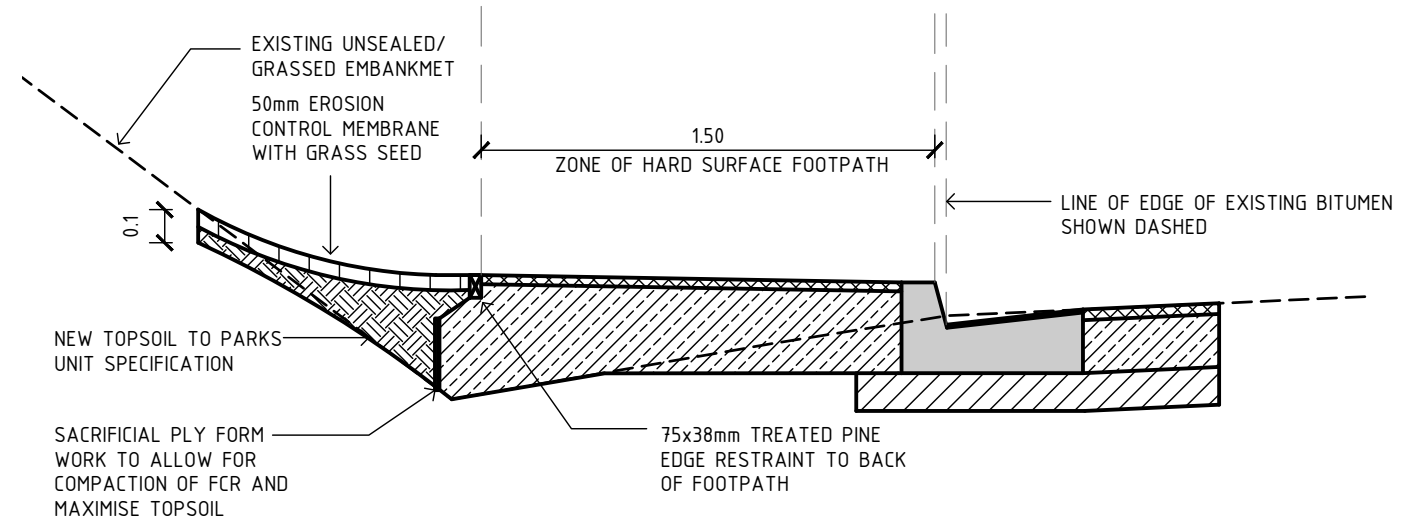
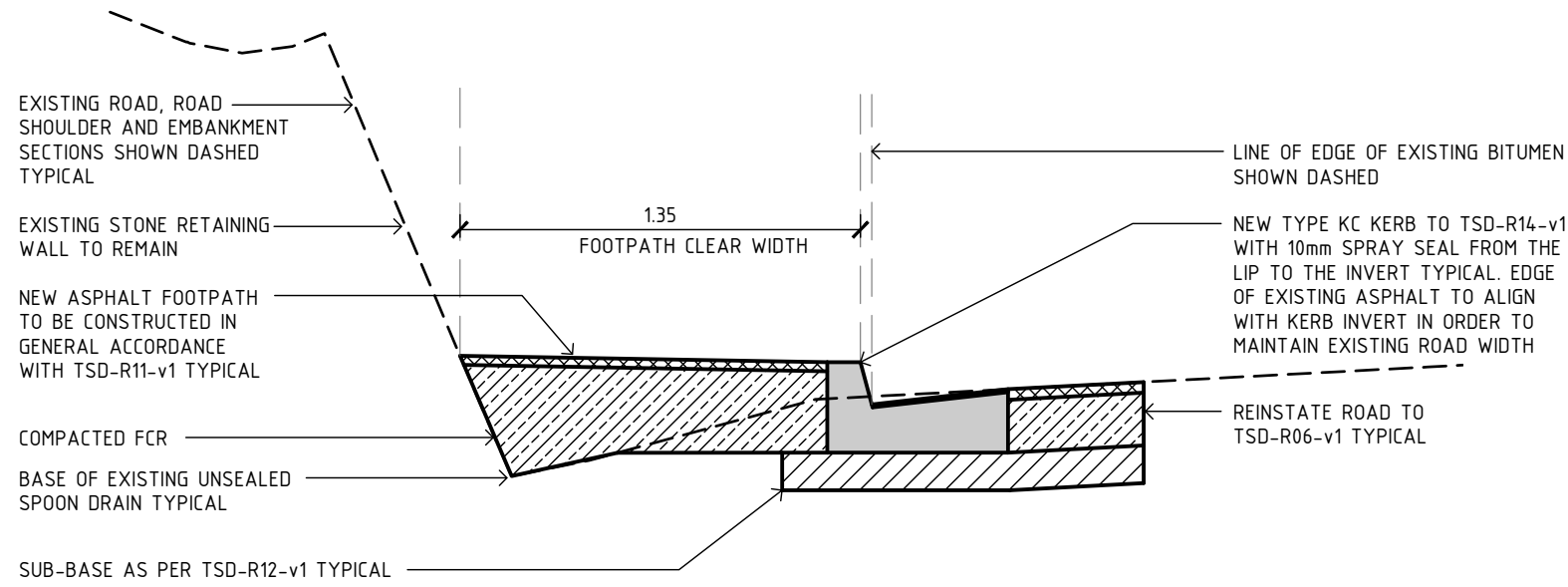
Scale 1:50

REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	DA ADDITIONAL INFORMATION REQUEST	29.05.18

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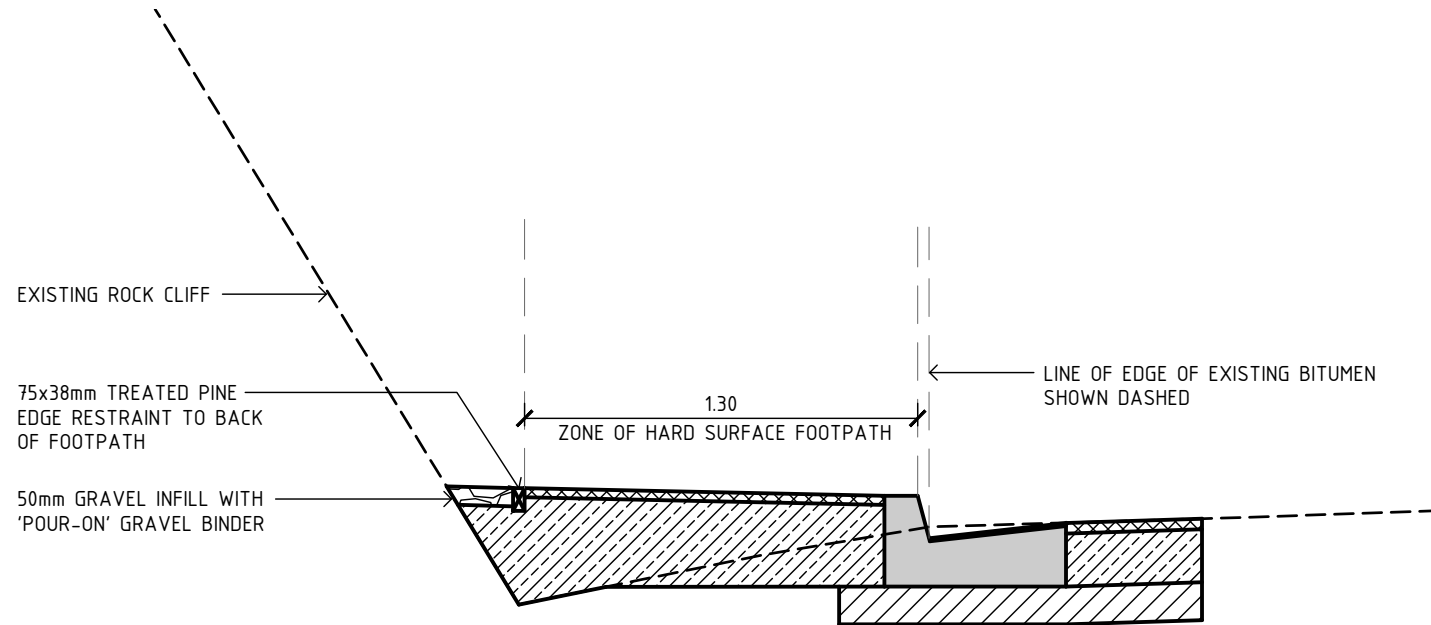


PROJECT DESCRIPTION		DRAWN	RFS NUMBER
FERN TREE PARK VISITOR NODE MASTER PLAN IMPLEMENTATION		RU	RFS17-0109
DRAWING TITLE		CHECKED	FILE
CIVIL WORKS - 20 YEAR RAIN EVENT CALCULATIONS AND FLOW PATHS		GPT	17-0109_FERN TREE_WD.dwg
CLIENT		DISCIPLINE	SHEET SIZE
GREG MILNE - BUSHLAND AND RESERVES GROUP		C	A3
DATE		SHEET NUMBER	REVISION
29/05/18		C301	A
SCALE			
1:1000			



A FOOTPATH SECTION
C201 Scale 1:25

B FOOTPATH SECTION
C201 Scale 1:25



NOTES:

- EDGE OF EXISTING ASPHALT TO ALIGN WITH NEW KERB INVERT IN ORDER TO MAINTAIN EXISTING ROAD WIDTH UNLESS SPECIFIED OTHERWISE

C FOOTPATH SECTION
C201 Scale 1:25

REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	DA ADDITIONAL INFORMATION REQUEST	25.05.18

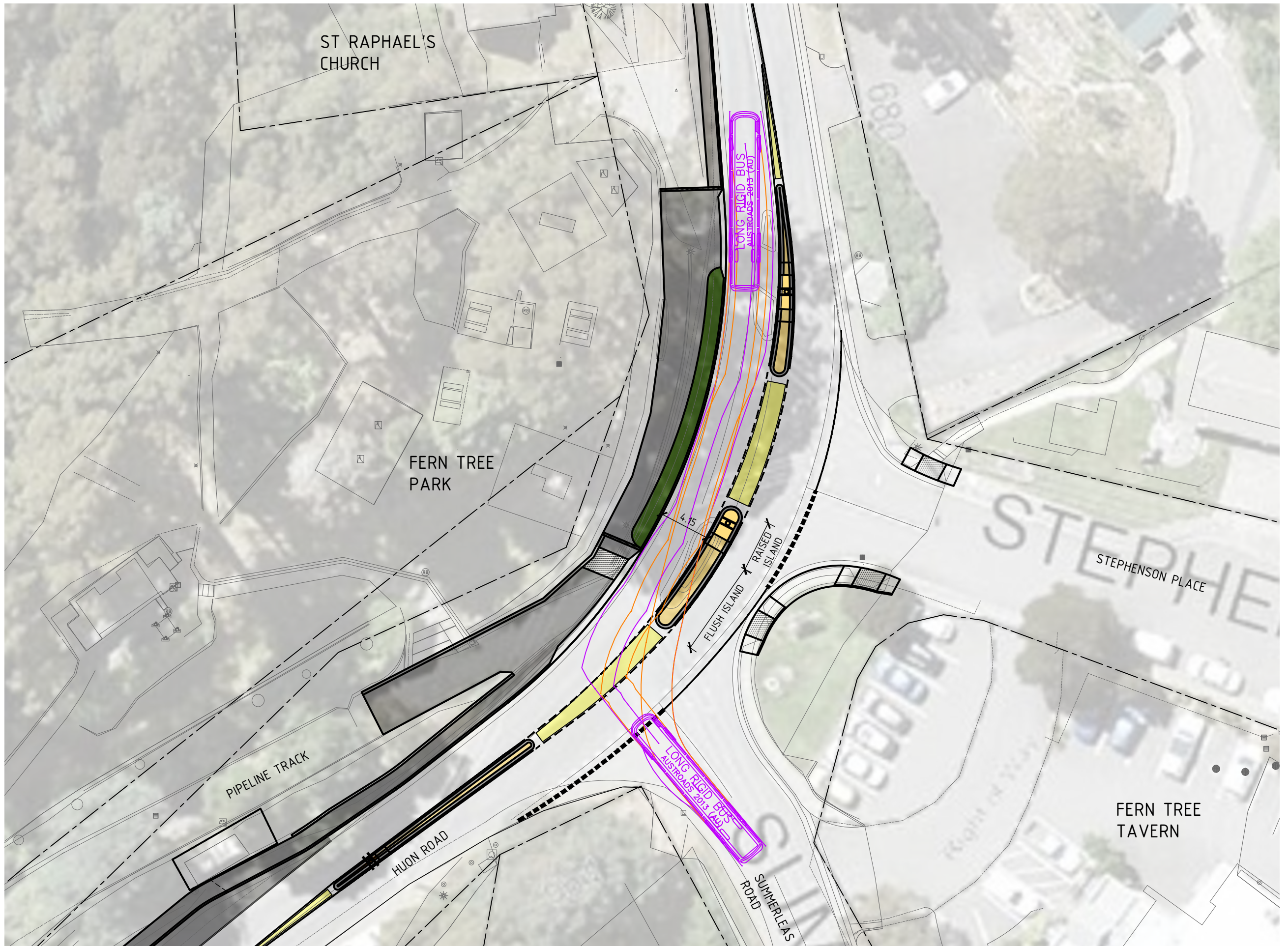


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PROJECT DESCRIPTION FERN TREE PARK VISITOR NODE MASTER PLAN IMPLEMENTATION		DRAWN RU	RFS NUMBER RFS17-0109
DRAWING TITLE CIVIL WORKS - FOOTPATH SECTIONS		CHECKED -	FILE 17-0109_FERN TREE_WD.dwg
CLIENT GREG MILNE - BUSHLAND AND RESERVES GROUP		DISCIPLINE C	SHEET SIZE A3
DATE 25/05/18		SHEET NUMBER C501	REVISION A
SCALE 1:25			



**14.5m COACH
TURNING PATH**
Scale 1:300 @ A3

REV.	REVISION/ ISSUE DESCRIPTION	DATE
A	DA ADDITIONAL INFORMATION REQUEST	25.05.18



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PROJECT DESCRIPTION		DRAWN	RFS NUMBER
FERN TREE PARK VISITOR NODE MASTER PLAN IMPLEMENTATION		RU	RFS17-0109
DRAWING TITLE		CHECKED	FILE
CIVIL WORKS - COACH TURN AROUND PATH AT THE FERN TREE TAVERN RIGHT OF WAY		DISCIPLINE	SHEET SIZE
CLIENT		C	A3
GREG MILNE - BUSHLAND AND RESERVES GROUP		DATE	REVISION
		25/05/18	A
		SCALE	SHEET NUMBER
		1:300	C901