



1. EXISTING LINE MARKING TO BE REINSTATED WHERE AFFECTED BY ASPHALT WORKS
2. TO BE READ IN CONJUNCTION WITH LANDSCAPE PLANS BY FHFA
3. PLANE EXISTING ASPHALT SURFACE AND INSTALL 30mm SIZE 10 TYPE H WEARING COURSE ASPHALT AS SHOWN
4. ALL DIMENSIONS SHOWN ARE MEASURED FROM THE LIP OF KERB
5. JOINT BETWEEN EXISTING WEARING COURSE AND NEW WEARING COURSE SHALL NOT BE ON WHEEL PATH
6. CRACK SEAL TO BE APPLIED ALONG THE JOINT BETWEEN EXISTING AND NEW WEARING COURSES
7. REINFORCED CROSS FALL AND LEVELS ARE TO BE MAINTAINED

LEGEND

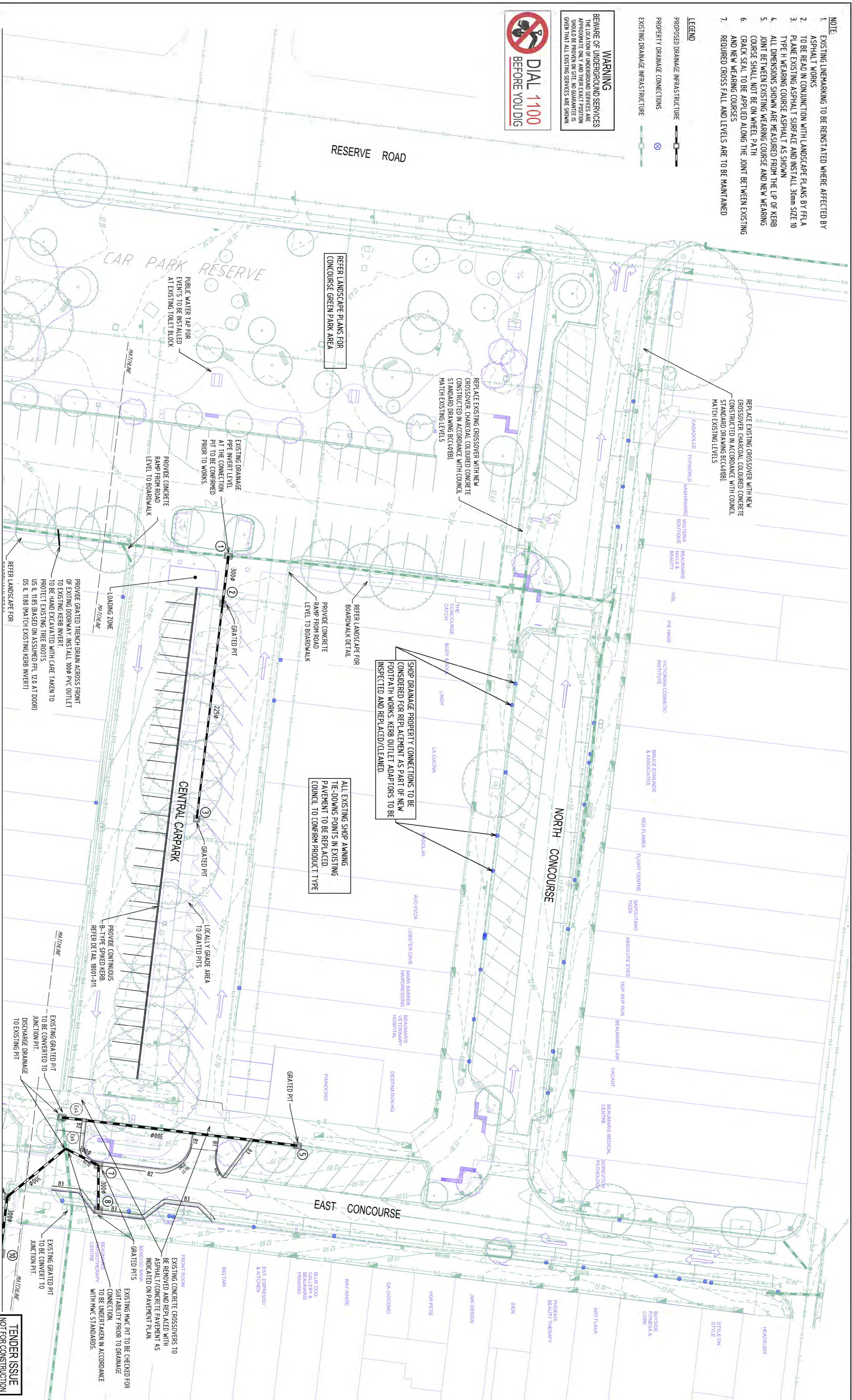
### PROPOSED DRAINAGE INFRASTRUCTURE

## PROPERTY DRAINAGE CONNECTIONS

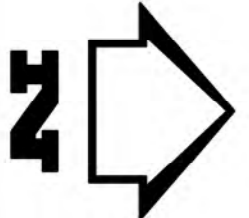
## EXISTING DRAINAGE INFRASTRUCTURE

## WARNING

**BWARE OF UNDERGROUND SERVICES**  
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



ROW	DESCRIPTION	CHECKED	APPROVED	DRAFTED	DATE
4	TENDER ADDENDUM - CONCRETE CROSSOVERS	JM	NP	MD	28.11.2018
3	ISSUED FOR TENDER - VZ	JM	NP	MD	21.11.2018
2	ISSUED FOR TENDER	JM	NP	MD	16.11.2018
1	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JM	-	MD / VN	12.11.2018
0	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JM	-	MD	18.10.2018



PLOT INFO: JARROD WILSON @ 7:18 PM ON November 21, 2018

PGA REF:	18001
DESIGN BY:	J WILSON / V NAHAR
SURVEY BY:	PGA
APPROVED FOR CONSTRUCTION BY:	-
APPROVED DATE:	-

**P&G**  
Parotissen Grant & Associates Pty. Ltd.  
Consulting Engineers & Surveyors

AN 53 123 888 326

Suite 10, 131 Bulleen Road, Balwyn North, Victoria 3104  
Phone: (03) 8686 8400  
Fax: (03) 8686 8401  
Email: [parog@pgrau.com.au](mailto:parog@pgrau.com.au)

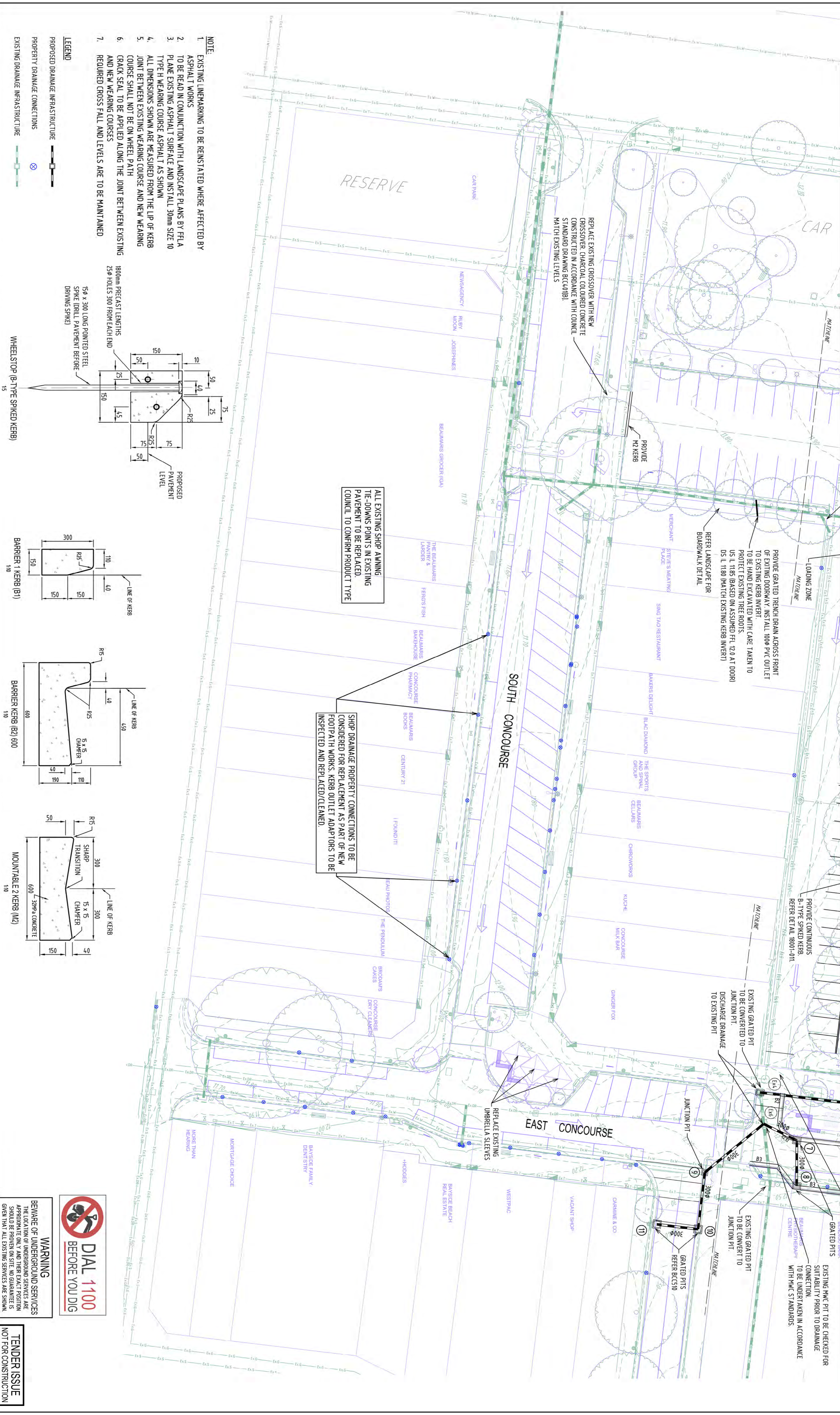
Residential: (03) 8686 5022  
Web: [www.pgrau.com.au](http://www.pgrau.com.au)

 **P&G**  
900  
Queensland  
F&S



BEAUMARIS CONCOURSE CAR PARK & STREETSCAPE WORKS BAYSIDE CITY COUNCIL LAYOUT PLAN- SHEET 1 of 2		SCALE @ A1	1:250	DRAWING No.:	18001 - 010	REV	4
FPA							




**FOR CONTINUATION REFER TO 18001-010**



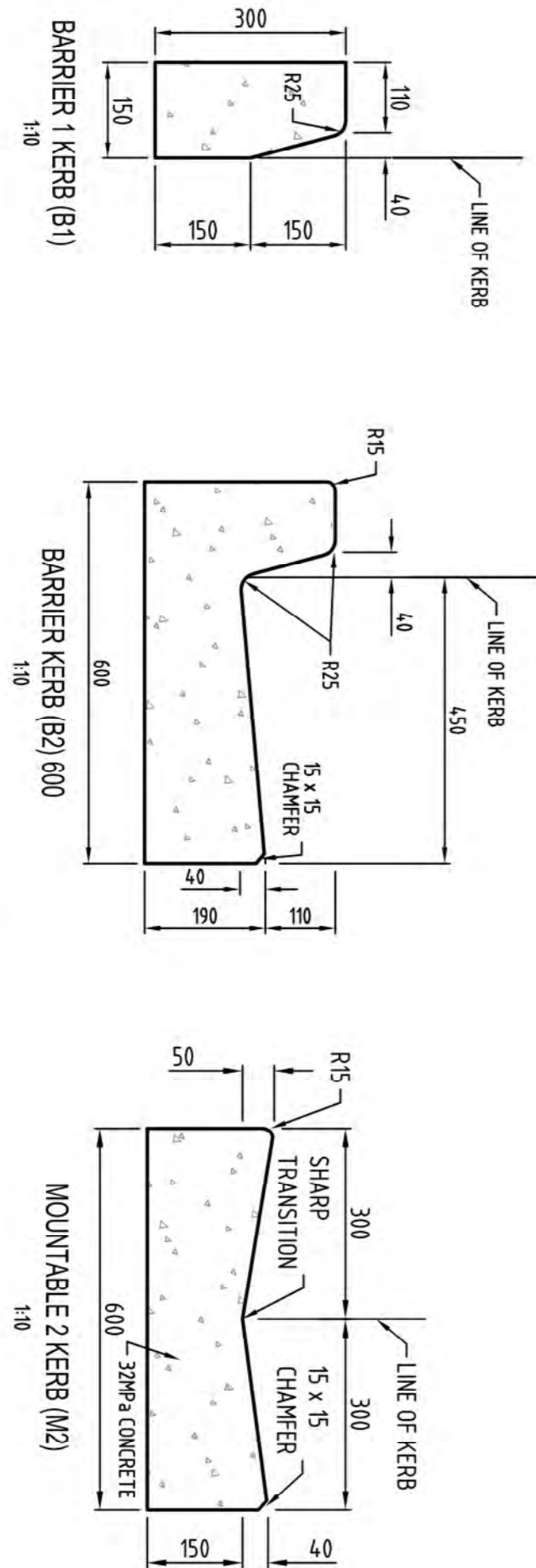
**NOTE:** EXISTING IRRADIATION DATA TO BE REEVALUATED IN ORDER TO SELECTED DATA

1. EXISTING UNDERPAVING TO BE REINFORCED WHERE APPLIED BY ASPHALT WORKS
2. TO BE READ IN CONJUNCTION WITH LANDSCAPE PLANS BY FIELD PLANE WEARING ASPHALT SURFACE AND INST ALL 30mm SIZE 10 TYPE H WEARING COURSE ASPHALT AS SHOWN
4. ALL DIMENSIONS SHOWN ARE MEASURED FROM THE TOP OF KERB
5. JOINT BETWEEN EXISTING WEARING COURSE AND NEW WEARING COURSE SHALL NOT BE ON WHEEL PATH
6. CRACK SEAL TO BE APPLIED ALONG THE JOINT BETWEEN EXISTING AND NEW WEARING COURSES
7. REQUIRED CROSS FALL AND LEVELS ARE TO BE MAINTAINED

### LEGEND

- | PROPOSED DRAINAGE INFRASTRUCTURE  | PROPERTY DRAINAGE CONNECTIONS   | EXISTING DRAINAGE INFRASTRUCTURE  |
|---|---|---|
|  |  |  |

WHEELSTOP (B-TYPE SPIKED KERB)  
1:5



**WARNING**  
BEWARE OF UNDERGROUND SERVICES  
THE LOCATION OF UNDERGROUND SERVICES ARE  
APPROXIMATE ONLY AND THEIR EXACT POSITION  
SHOULD BE PROVEN ON SITE. NO GUARANTEE IS  
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

**TENDER ISSUE  
NOT FOR CONSTRUCTION**

REV	DESCRIPTION	CHECKED	APPROVED	DRAWN/ETD	DATE
4	TENDER ADDENDUM - CONCRETE CROSSOVERS	JW	NKP	MD	28.11.2008
3	ISSUED FOR TENDER - V2	JW	NKP	MD	21.11.2008
2	ISSUED FOR TENDER - NOT FOR CONSTRUCTION	JW	NKP	MD	16.11.2008
1	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JW	-	MD / VN	12.11.2008
0	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JW	-	MD	18.10.2008

PGA REF:	18001
DESIGN BY:	J WILSON / V MAHAR
SURVEY BY:	PGA
APPROVED FOR CONSTRUCTION BY:	
APPROVED DATE:	-

**Paroissien Grant & Associates Pty. Ltd.**  
**Consulting Engineers & Surveyors**

ABN 53 123 888 326

Suite 10, 137, Ballinger Road, Balwyn North, VIC 3104  
 Phone: (03) 9858 9640  
 Web: www.pga.net.au  
 Email: paro@pga.net.au

SCALE @ A1

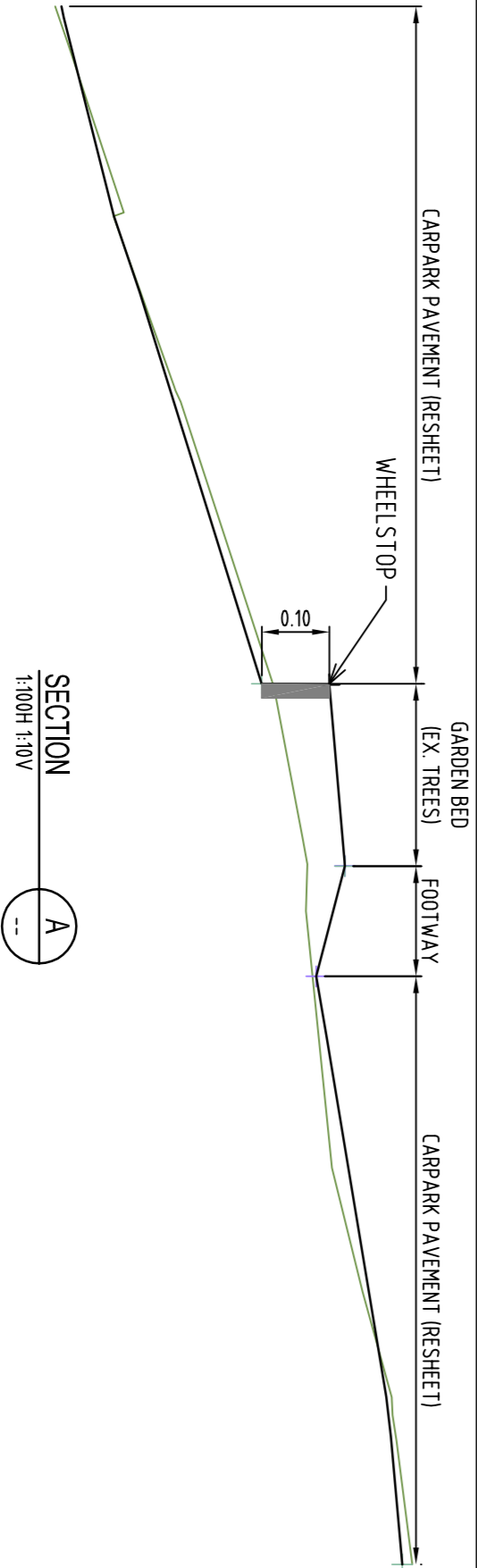
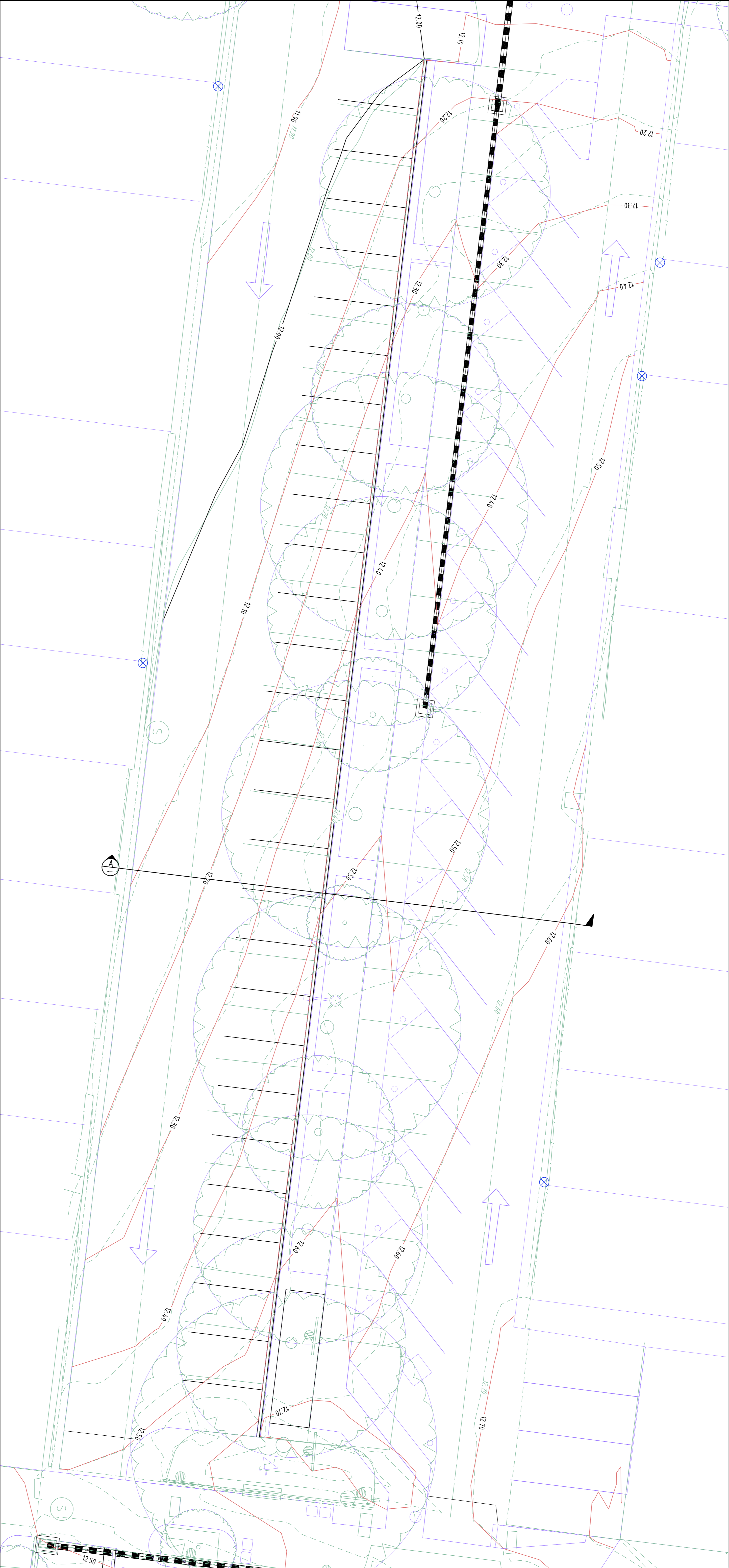
1:250

**BEAUMARIS CONCOURSE**  
**CAR PARK & STREETSCAPE WORKS**  
 BAYSIDE CITY COUNCIL

LAYOUT PLAN- SHEET 2 OF 2

FWA  
 Drawing No: 18001 - 011

REV	4
-----	---



REV	DESCRIPTION	CHECKED	APPROVED	DRAWN	DATE
0	TRIGGER APPROVAL	JW	NGP	MD	29/11/2018

02.557.51012.5

SCALE: 1:250 @ A1

1:500 @ A3

PCGA REF: 18001

DESIGN BY: J. WILSON / V. NAHAR

SURVEY BY: PCGA

APPROVED FOR CONSTRUCTION BY: -

APPROVED DATE: -

Parosisten Grant & Associates Pty. Ltd.

Consulting Engineers & Surveyors

ABN 53 123 888 326

Suite 10, 131 Bulleen Road, Bulleen North, Victoria 3104

Phone: (03) 9859 5400

Facsimile: (03) 9859 5022

Email: pga@pgpa.net.au

Web: www.pgpa.net.au

BSI ISO 9001 Quality Management FS521077

BEAUMARIS CONCOURSE

CAR PARK & STREETSCAPE WORKS

BAVSHIRE CITY COUNCIL

CENTRAL CARPARK GRADING PLAN & DETAILS

SCALE @ A1: 1:100

DRAWING NO.: 18001 - 150

REV: 0

- NOTE:
- EXISTING LINEMARKING TO BE REINSTATED WHERE AFFECTED BY ASPHALT WORKS
  - TO BE READ IN CONJUNCTION WITH LANDSCAPE PLANS BY FFLA
  - PLANE EXISTING ASPHALT SURFACE AND INSTALL 30mm SIZE 10 TYPE H WEARING COURSE ASPHALT AS SHOWN
  - ALL DIMENSIONS SHOWN ARE MEASURED FROM THE LIP OF KERB
  - JOINT BETWEEN EXISTING WEARING COURSE AND NEW WEARING COURSE SHALL NOT BE ON WHEEL PATH
  - CRACK SEAL TO BE APPLIED ALONG THE JOINT BETWEEN EXISTING AND NEW WEARING COURSES
  - REQUIRED CROSS FALL AND LEVELS ARE TO BE MAINTAINED

LEGEND

- PROPOSED DRAINAGE INFRASTRUCTURE
- PROPERTY DRAINAGE CONNECTIONS
- EXISTING DRAINAGE INFRASTRUCTURE

30mm COMPACTED DEPTH OF 10mm N.S. TYPE H (320) ASPHALT

TACK COAT

EXISTING PAVEMENT

ASPHALT RESHEET

SHOWN THUS

NOTE:

ALL ASPHALT AND CRUSHED ROCK MATERIALS AND CONSTRUCTION PROCEDURES SHALL COMPLY IN ALL RESPECTS WITH THE RELEVANT VICROADS SPECIFICATIONS

30mm COMPACTED DEPTH OF 10mm N.S. TYPE H (320) ASPHALT

TACK COAT

REPLACE EXISTING ASPHALT

ASPHALT PAVEMENT REPLACEMENT

NOTE:

EXISTING PROFILE TO BE ASSESSED BY COUNCIL SITE INSPECTOR

ALL ASPHALT AND CRUSHED ROCK MATERIALS AND CONSTRUCTION PROCEDURES SHALL COMPLY IN ALL RESPECTS WITH THE RELEVANT VICROADS SPECIFICATIONS

30mm DEPTH SIZE 10 ASPHALT TYPE L (320 BITUMEN)

75mm MINIMUM COMPACTED DEPTH CLASS 2, 20mm NCR

98% MOD COMPACTION

COMPACTED SUBGRADE TO BE APPROVED BY COUNCIL SITE INSPECTOR

- NOTE:
- DETAIL TO BE READ IN CONJUNCTION WITH COUNCIL STANDARD DRAWING BCC201 REVAL
  - ASPHALT PAVING TO CONFORM WITH BAYSIDE CITY COUNCIL TECHNICAL NOTES ITEM PA.02
  - REFER LANDSCAPE SPECIFICATION FOR FURTHER DETAILS
- PEDESTRIAN ASPHALT PAVEMENT COMPOSITION

SHOWN THUS

150mm DEPTH 32MPa CONCRETE WITH SLAB2 MESH TOP, 45mm COVER AS SPECIFIED

150mm MINIMUM COMPACTED DEPTH CLASS 2, 20mm NCR

98% MOD COMPACTION

COMPACTED SUBGRADE TO 95% STANDARD WITH MINIMUM GRB OF 5%

- NOTE:
- DETAIL TO BE READ IN CONJUNCTION WITH COUNCIL STANDARD DRAWING BCC201 REVAL
  - JOINING IN ACCORDANCE WITH COUNCIL STANDARDS.
  - FINISH DETAILS AND REQUIREMENTS
- TRAFFICABLE CONCRETE PAVEMENT COMPOSITION

SHOWN THUS

75mm DEPTH 25MPa CONCRETE

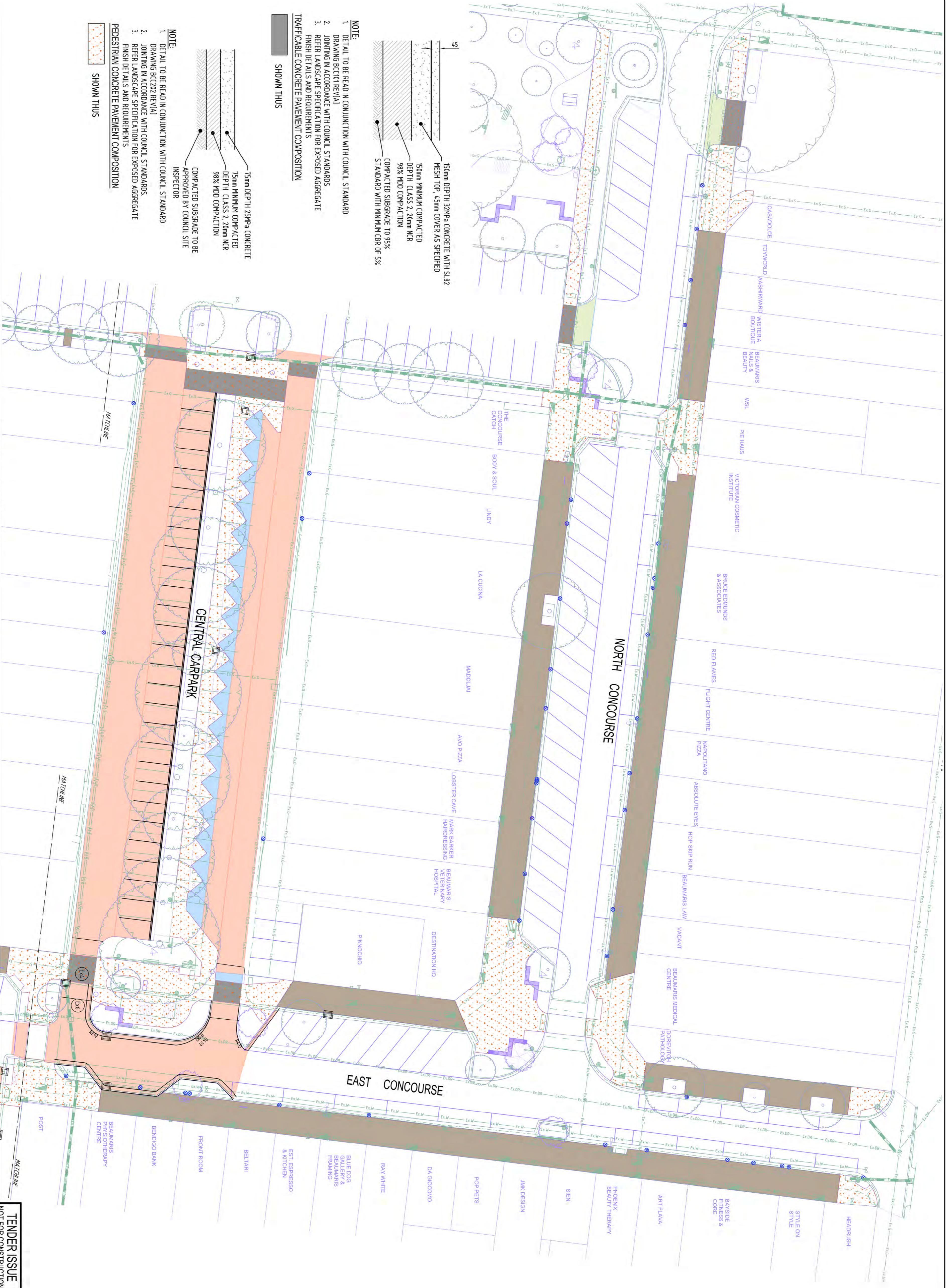
75mm MINIMUM COMPACTED DEPTH CLASS 2, 20mm NCR

98% MOD COMPACTION

COMPACTED SUBGRADE TO BE APPROVED BY COUNCIL SITE INSPECTOR

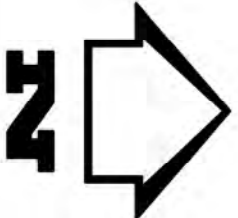
- NOTE:
- DETAIL TO BE READ IN CONJUNCTION WITH COUNCIL STANDARD DRAWING BCC202 REVAL
  - JOINING IN ACCORDANCE WITH COUNCIL STANDARDS.
  - REFER LANDSCAPE SPECIFICATION FOR EXPOSED AGGREGATE
- FINISH DETAILS AND REQUIREMENTS
- PEDESTRIAN CONCRETE PAVEMENT COMPOSITION

SHOWN THUS



FOR CONTINUATION REFER TO 18001-201

REV	DESCRIPTION	ORDERED	APPROVED	DRAWN	DATE
1	ISSUED FOR TENDER - V2	JM	NP	MD	28.11.2008
2	ISSUED FOR TENDER - V2	JM	NP	MD	21.11.2008
3	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JM	NP	MD	12.11.2008



PG&A REF:	18001
DESIGN BY:	J. WILSON / V. MAHAR
SURVEY BY:	PGA
APPROVED FOR CONSTRUCTION BY:	
APPROVED DATE:	

**PGA** Paroissien Grant & Associates Pty. Ltd.  
Consulting Engineers & Surveyors  
ABN 63 123 888 326  
Suite 10, 131 Balleen Road, Bayside North, Victoria 3104  
Phone: (03) 9859 6400 Facsimile: (03) 9859 5022  
Email: info@pga.net.au Web: www.pga.net.au



**BEAUMARIS CONCOURSE**  
CAR PARK & STREETSCAPE WORKS  
BAYSIDE CITY COUNCIL  
PAVEMENT PLAN - SHEET 1 OF 2  
FLA  
DRAWN NO. 18001 - 200  
REV. 3

TENDER ISSUE  
NOT FOR CONSTRUCTION

**LEGEND**

PROPOSED DRAINAGE INFRASTRUCTURE

PROPERTY DRAINAGE CONNECTIONS

EXISTING DRAINAGE INFRASTRUCTURE

SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT TO PROVIDE 200mm OVERLAP TO PROVIDE WATERTIGHT SEAL OVER JOIN BETWEEN NEW AND EXISTING PAVEMENTS

ASPHALT RESHEET

EXISTING SURFACE

500

SAWCUT AND REMOVE EXISTING ASPHALT 50mm FROM FACE OF CURB TO ALLOW SMOOTH MATCH OF LEVELS


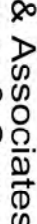
1:10

REV	DESCRIPTION	CHECKED	APPROVED	DRAWN	DATE
3	TENDER ADDENDUM - PAYMENT DETAILS	JM	NGP	MD	28.11.2008
2	ISSUED FOR TENDER - VZ	JM	NGP	MD	21.11.2008
1	ISSUED FOR TENDER	JM	NGP	MD	16.12.2008
0	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JM	-	MD	12.12.2008



1:100

PGA REF:	18001
DESIGN BY:	J WILSON / V NAHAR
SURVEY BY:	PGA
APPROVED FOR CONSTRUCTION BY:	-
APPROVED DATE:	-

 <p><b>PGA</b> Paroissien Grant &amp; Associates Pty. Ltd. Consulting Engineers &amp; Surveyors</p> <p>AN 53 123 888 326</p> <p>Suite 10, 131 Bulleen Road, Baulwyn North, Victoria 3104 Phone: 03 9522 5022 Email: <a href="mailto:paro@pga.net.au">paro@pga.net.au</a> Web: <a href="http://www.pga.net.au">www.pga.net.au</a></p> 	<p><b>BEAUMARIS CONCOURSE</b> CAR PARK &amp; STREETScape WORKS BAYSIDE CITY COUNCIL</p> <p>PAVEMENT PLAN - SHEET 2 OF 2 &amp; MISCELLANEOUS DETAILS</p> <p>FF1A</p>
<p>SCALE @ A1</p> <p><b>1:250</b></p>	<p>DRAWING No. <b>18001 - 201</b></p>
<p>REV</p>	<p>DATE</p>

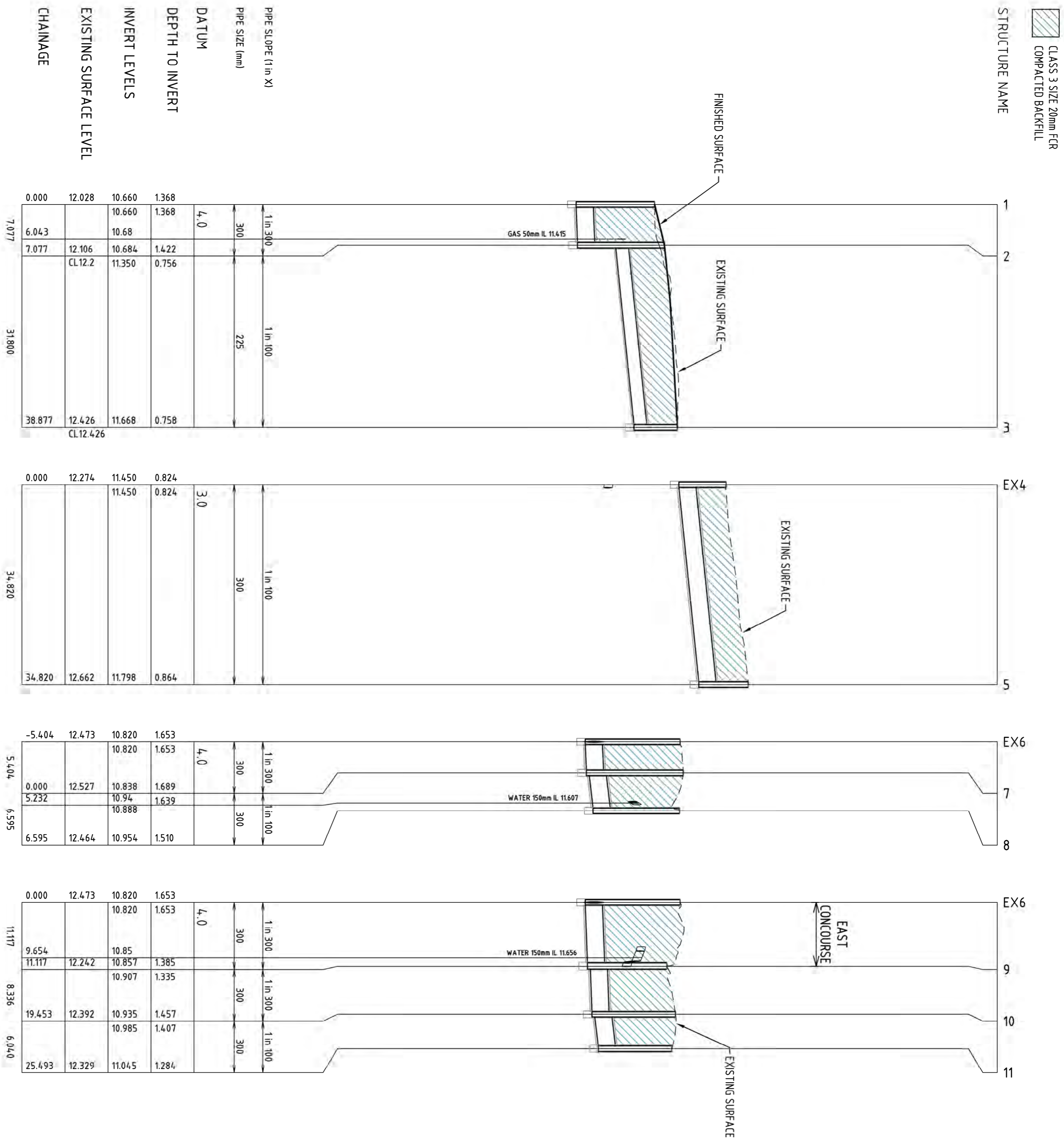
1:50

SECTION B-B

CONSTANT GRADE

190

STANDARD SCALE	1:250	PROJECT NO.	18001 - 201	SHEET	1
-------------------	-------	-------------	-------------	-------	---



PIT SCHEDULE													
PIT NAME	TYPE	EASTING	NORTHING	INTERNAL			INLET		OUTLET		PIT		REMARKS
				WD	LEN	DIA	INV/LEV	DIA	INV/LEV	SETOUT RL	DEPTH		
1	JUNCTION PIT	327316.788	5793929.187	900	900	300	10.66			12.028	1.388	REFER BCC506	
2	GRADED PIT	327323.614	5793928.942	600	600	225	11.35	300	10.684	12.2	1.516	REFER BCC506 GRATED HEEL GUARD COVER	
3	GRADED PIT	327335.387	5793924.544	600	600			225	11.668	12.224	0.758	REFER BCC506 GRATED HEEL GUARD COVER	
E4	JUNCTION PIT	327389.204	5793904.758	600	900	300	11.45			12.272	0.824	REFER BCC505	
5	GRADED PIT	327403.548	5793939.331	600	900			300	11.798	12.662	0.864	REFER BCC505	
E6	EXISTING PIT	327403.788	5793905.293			300	10.82			12.473	1.653	REFER BCC505	
7	GRADED PIT	327410.863	5793986.718	750	900	300	10.907	300	10.857	12.242	1.365	REFER BCC509	
8	GRADED PIT	327419.140	5793895.731	750	900	300	10.965	300	10.935	12.392	1.457	REFER BCC509	
9	JUNCTION PIT	327418.408	5793889.623	600	600			300	11.045	12.329	1.284	REFER BCC505	
10	GRADED PIT	327408.210	5793910.123	900	900	300	10.888		10.838	12.527	1.689	REFER BCC510	
11	GRADED PIT	327412.805	5793910.095	900	900			300	10.954	12.464	1.351	REFER BCC510	

**NOTE:**

1. XY SETOUT TO PIT CENTRE
2. SETOUT LEVEL TO PIT COVER LEVEL

REV	DESCRIPTION	DWG NO	APPROVED	DRAWN	DATE
2	TENDER ADDENDUM - PIT 2 COVER LEVEL ADJUSTED	JW	NGP	MD	29/11/2018
1	ISSUED FOR TENDER	JW	NGP	MD	16/11/2018
0	PRELIMINARY ISSUE - NOT FOR CONSTRUCTION	JW	-	MD	12/11/2018

1:500 H 0 5 10 15 20 25m

1:50 V 0 0.5 1.0 1.5 2.0 2.5m

SCALE H:1500 V:150 @ A1  
H:11000 V:1100 @ A3

PCA REF:	18001
DESIGN BY:	J WILSON / V MAHAR
SURVEY BY:	PCA
APPROVED FOR CONSTRUCTION BY:	
APPROVED DATE:	-

ABEN 53 123 888 326

**Paroissien Grant & Associates Pty. Ltd.**  
Consulting Engineers & Surveyors

Suite 10, 131 Balleran Road, Balwyn North, Victoria 3104  
Phone: 03 9479 6022  
Email: paro@pga.net.au  
Web: www.pga.net.au

ISO 9001  
Quality Management  
F5521077

**BEAUMARIS CONCOURSE**  
CAR PARK & STREETSCAPE WORKS  
BAYSIDE CITY COUNCIL

SCALE @ A1

DRAWING NO.	REV.
18001 - 300	2

**DRAINAGE LONGITUDINAL SECTIONS & PIT SCHEDULE**

**TENDER ISSUE  
NOT FOR CONSTRUCTION**