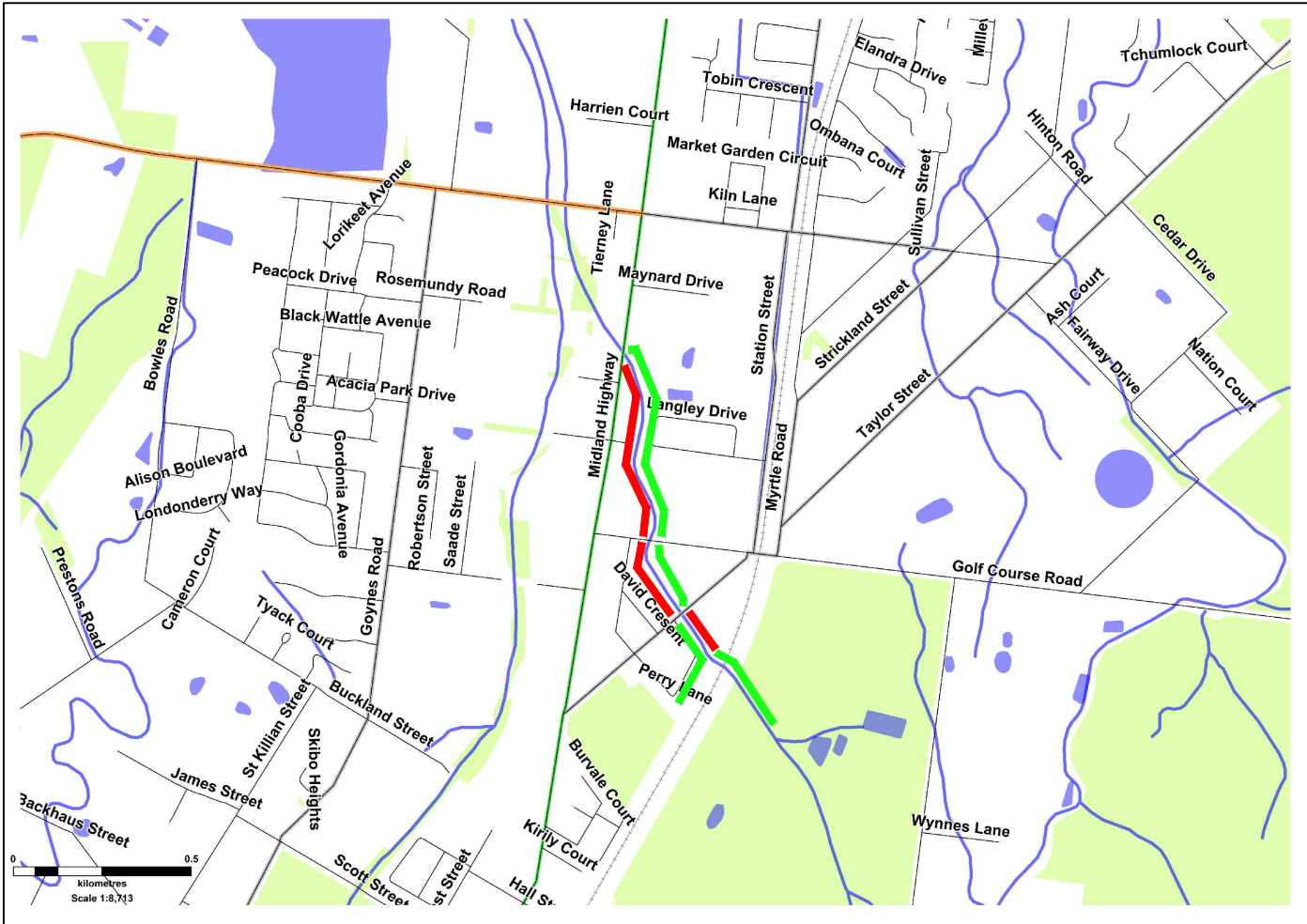


GB4548 RACECOURSE CREEK, ASCOT

1% AEP Flood containment upgrades

June 2020



LOCALITY PLAN

DOCUMENT CONTROL				
SHEET No.	SHEET DESC.	13/8/2020	xx/xx/xx	xx/xx/xx
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	A		
2	GENERAL NOTES	A		
3	PLAN VIEW	A		
4	PLAN VIEW	A		
5	PLAN VIEW	A		
7	PLAN VIEW	A		
8	LONG SECTIONS	A		
9	LONG SECTIONS	A		
10	LONG SECTIONS	A		
11	CROSS SECTIONS	A		
12	CROSS SECTIONS	A		
13	CROSS SECTIONS	A		
14	CROSS SECTIONS	A		
15	CROSS SECTIONS	A		



PROJECT EXTENTS

PROJECT PLANNING REQUIREMENTS				AMENDMENTS			
Item	Required	Comments	Contractor	Revision	Description	Approved by	Date
Vegetation	Yes	Underway		-	-	-	-
RRV	Yes	-					
CMA	Yes	Underway					
Planning Permit	Yes	Underway					
Land Acquisition	Yes	Underway					
CHMP	Yes	-					
Other	Yes	VicTrack underway					

CITY OF GREATER BENDIGO



RACECOURSE CREEK
ASCOT
FLOOD CONTAINMENT WORKS

COVER PAGE

Survey	H. Whytock	June 19
Design	N. Sartori	Oct 19
Checked	A. Smith	Nov 19
Approved by	B. Martini	Jan 20
Scale: -	Revision: A	
Original sheet size: A3	File:	
Sheet: 1 OF 10	Reference: GB4548	

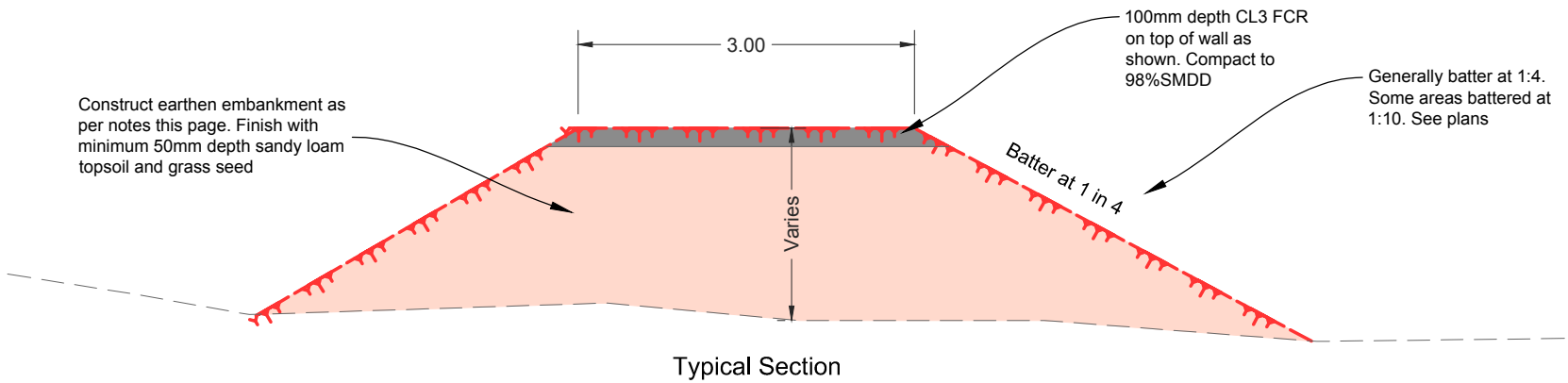
PRELIMINARY DESIGN
DRAFT 1

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI

DAM WALL / EARTHEN EMBANKMENT NOTES

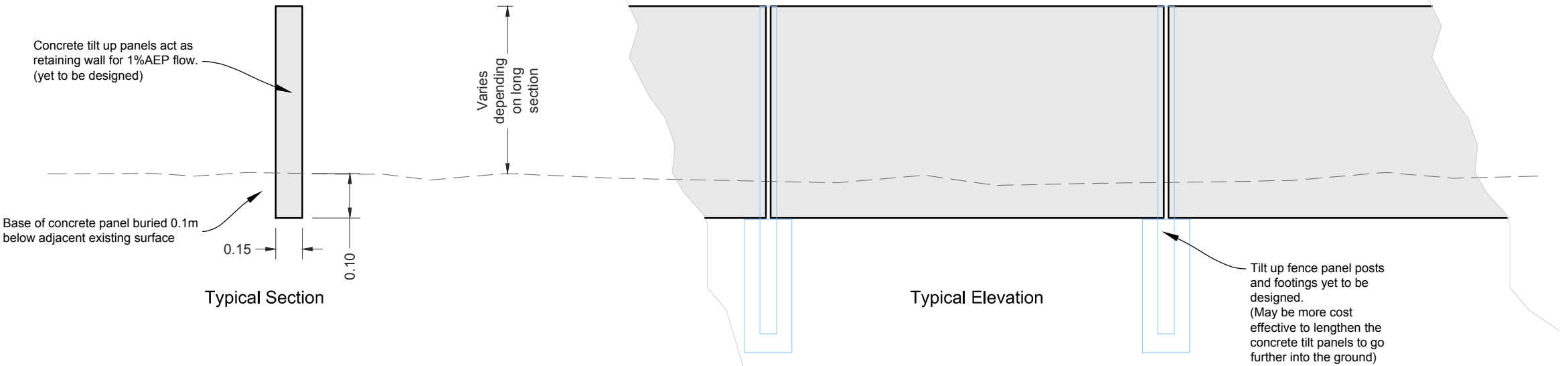
1. The existing surface under the wall structure shall be excavated to a depth of 150mm prior to construction. Unless noted otherwise, the spoil shall be stored onsite, and spread evenly over the finished wall construction.
2. Fill to be used in construction of the wall shall be approved by the superintendents representative prior to importing to site, and shall have the following properties:
 - A consistent mix of sand, gravel and clay
 - >30% clay content
 - Mix is to be non dispersive
 - Free of any organic material or contaminants
3. Unless noted otherwise, the wall construction shall be undertaken as follows:
 - Fill material shall be within -1% to +3% of Optimum Moisture Content during compaction
 - Fill shall be placed and compacted in 200mm layers to 98% Standard Maximum Dry Density
 - Unless approved otherwise by the Superintendents representative, a vibrating pad foot roller shall be used to undertake compaction and bonding between fill layers
 - In situ testing of the walls compaction and moisture content shall be undertaken as outlined for Type C material in Vicroads earthworks Specification 204: section 204.14 (c), and table 204.142.
4. The Contractor is responsible for ensuring that all imported fill material, including topsoil, satisfies the description for clean fill material in EPA bulletin publication No. 448 (Sep 95) and subsequent revisions. The Contractor shall provide verification including test certificates to the Superintendent's Representative.
5. Any pipe intrusions through the wall are to be rubber ring jointed

DETAIL: Earthen Embankmenrt



Typical Section

DETAIL: Retaining wall fence



Typical Section

Typical Elevation

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

RACECOURSE CREEK
ASCOT
FLOOD CONTAINMENT WORKS

GENERAL NOTES

Survey	H. Whytock	June 19
Design	N. Sartori	Oct 19
Checked	A.Smith	Nov 19
Approved by	B.Martini	Jan 20
Scale: -	Revision : A	
Original sheet size: A3	File :	
Sheet: 2 OF 10	Reference: GB4548	

PRELIMINARY DESIGN
DRAFT 1

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI



 FCR top of Earthen Embankment

 Grassed batters of Earthen Embankment

 Concrete retaining wall

 Raise existing endwall

 Tree to be assessed and removed (unconfirmed)

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

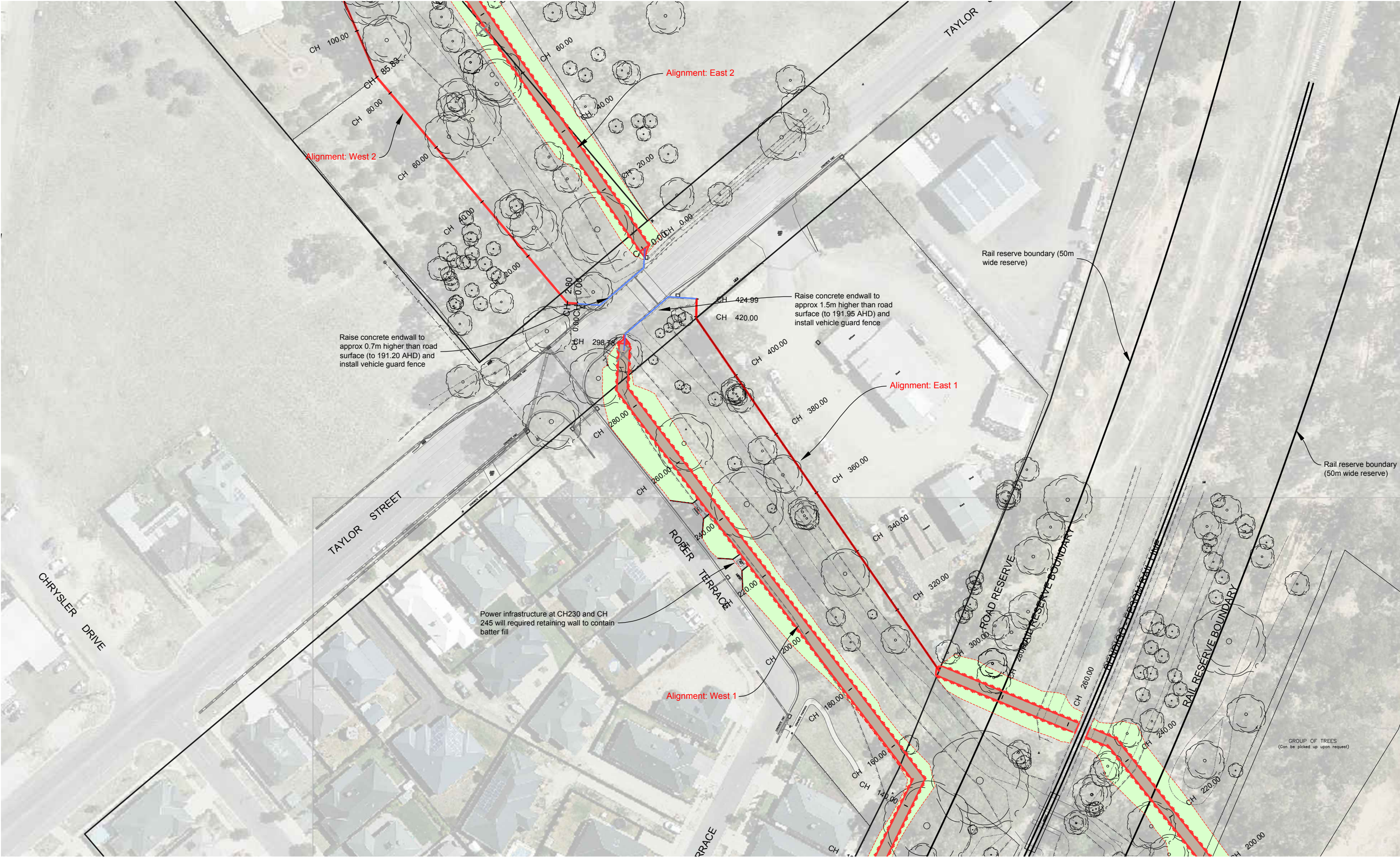
RACECOURSE CREEK
ASCOT
FLOOD CONTAINMENT WORKS

PLAN VIEW

Survey	H. Whytock	June 19
Design	N. Sartori	Oct 19
Checked	A. Smith	Nov 19
Approved by	B. Martini	Jan 20
Scale:	1:1000 (A3)	Revision : A
Original sheet size:	A3	File :
Sheet:	3 OF 10	Reference: GB4548

PRELIMINARY DESIGN
DRAFT 1

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI





FCR top of Earthen Embankment



Grassed batters of Earthen Embankment



Concrete retaining wall



Raise existing endwall



Tree to be assessed and removed (unconfirmed)

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

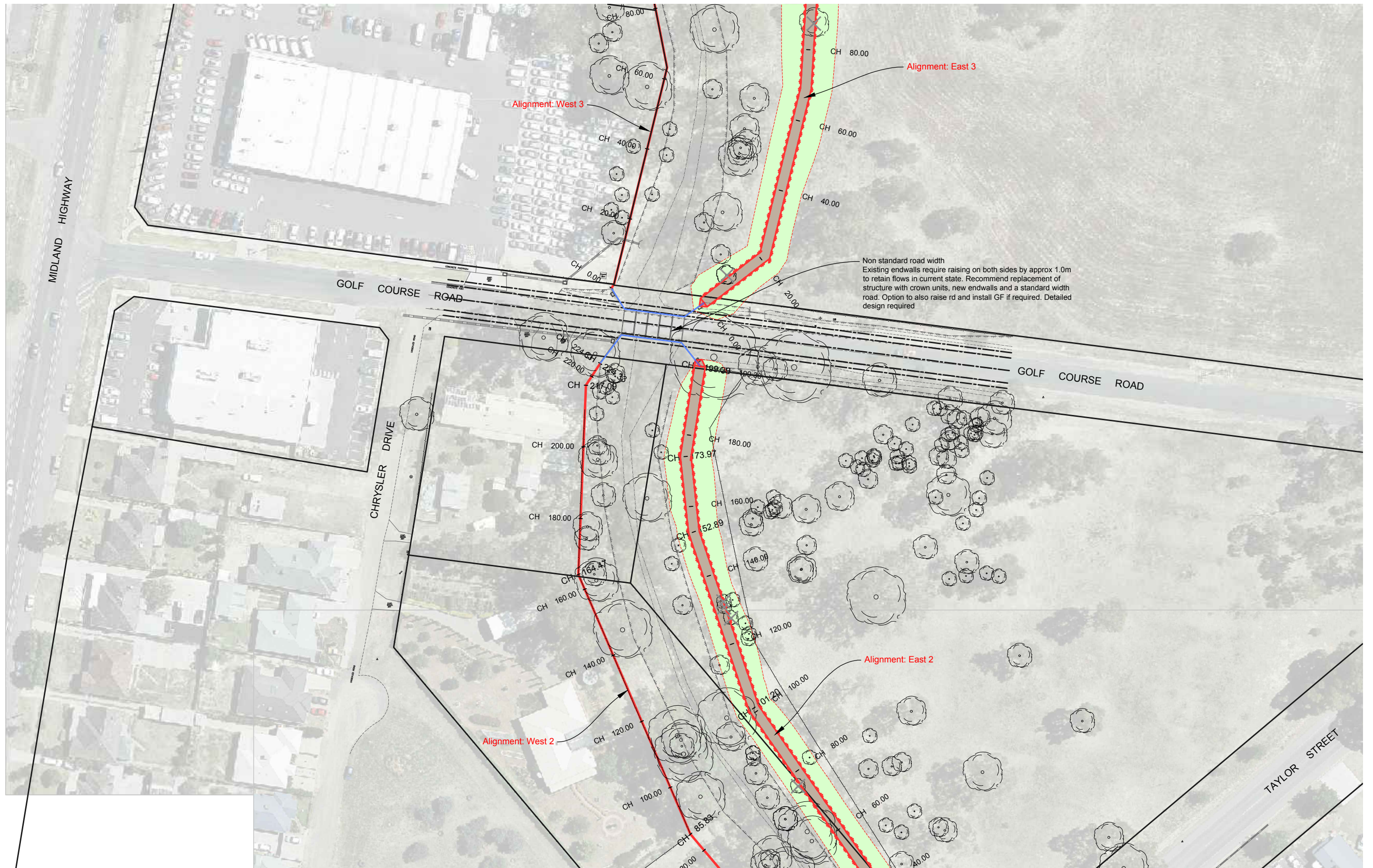
RACECOURSE CREEK
ASCOT
FLOOD CONTAINMENT WORKS

PLAN VIEW

Survey	H. Whytock	June 19
Design	N. Sartori	Oct 19
Checked	A. Smith	Nov 19
Approved by	B. Martini	Jan 20
Scale: 1:1000 (A3)	Revision : A	
Original sheet size: A3	File :	
Sheet: 4 OF 10	Reference: GB4548	

PRELIMINARY DESIGN
DRAFT 1

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI



FCR top of Earthen Embankment



Grassed batters of Earthen Embankment



Concrete retaining wall

Raise existing endwall

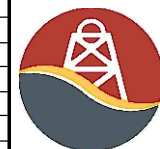


Tree to be assessed and removed (unconfirmed)

AMENDMENTS

Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO



RACECOURSE CREEK ASCOT FLOOD CONTAINMENT WORKS

PLAN VIEW

Survey	H. Whytock	June 19
Design	N. Sartori	Oct 19
Checked	A. Smith	Nov 19
Approved by	B. Martini	Jan 20
Scale: 1:1000 (A3)	Revision : A	
Original sheet size: A3	File :	
Sheet:	Reference:	
5 OF 10	GB4548	

**PRELIMINARY DESIGN
DRAFT 1**

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI





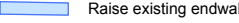
FCR top of Earthen Embankment



Grassed batters of Earthen Embankment



Concrete retaining wall



Raise existing endwall



Tree to be assessed and removed (unconfirmed)

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

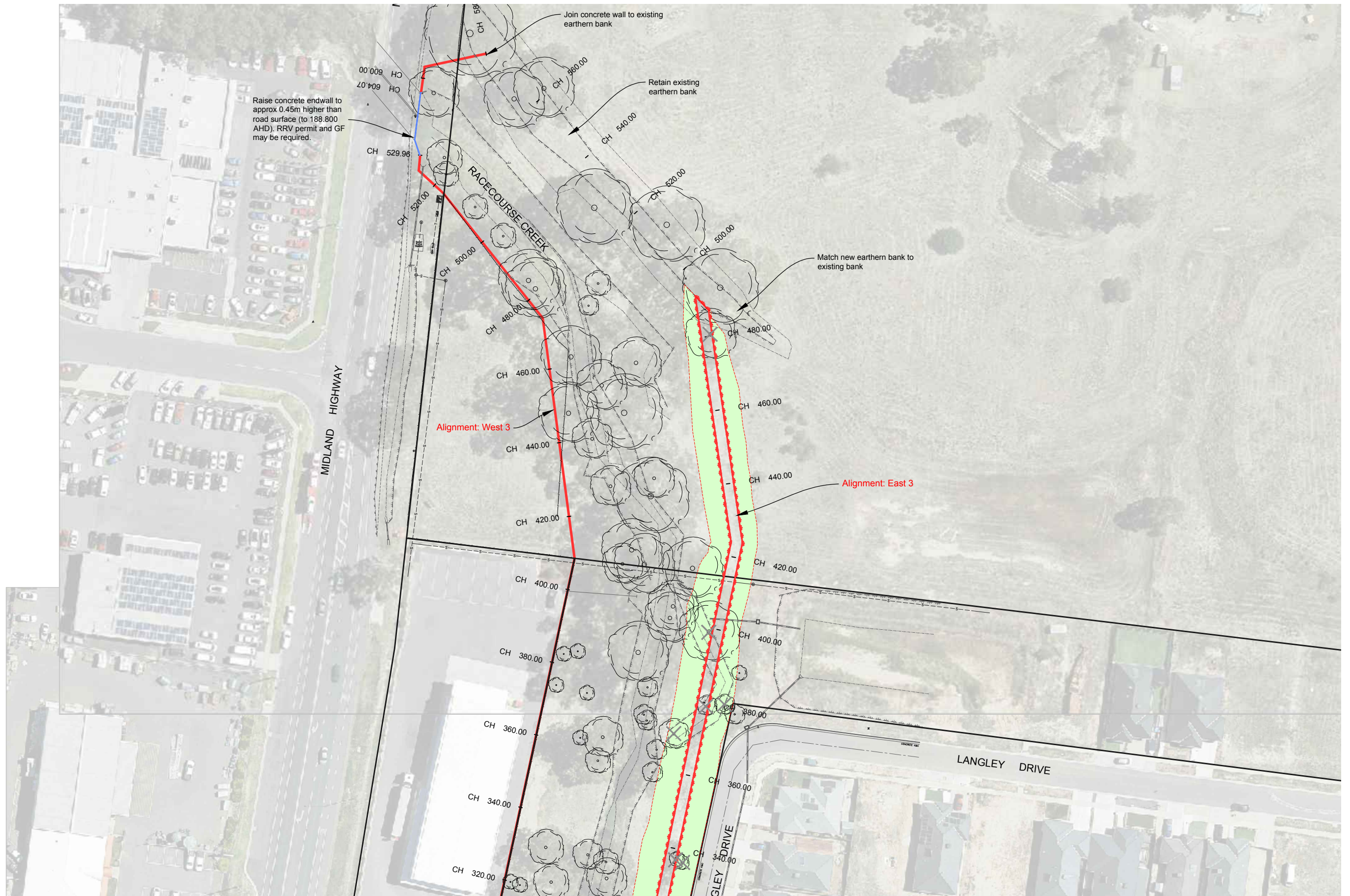
RACECOURSE CREEK
ASCOT
FLOOD CONTAINMENT WORKS

PLAN VIEW

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Design	N. Sartori	Oct 19
Checked	A. Smith	Nov 19
Approved by	B. Martini	Jan 20
Scale: 1:1000 (A3)	Revision : A	
Original sheet size: A3	File :	
Sheet: 6 OF 10	Reference: GB4548	

PRELIMINARY DESIGN
DRAFT 1

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI



FCR top of Earthen Embankment



Grassed batters of Earthen Embankment



Concrete retaining wall

Raise existing endwall

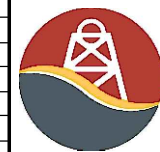


Tree to be assessed and removed (unconfirmed)

AMENDMENTS

Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO



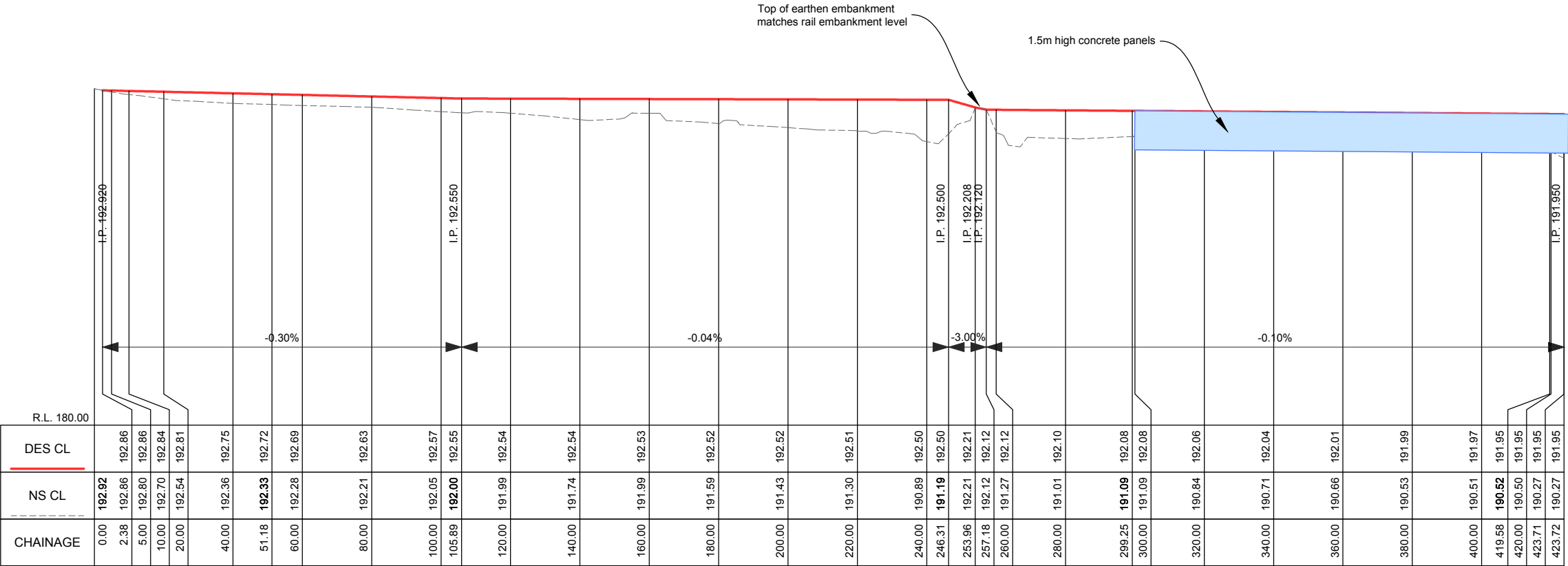
RACECOURSE CREEK ASCOT FLOOD CONTAINMENT WORKS

PLAN VIEW

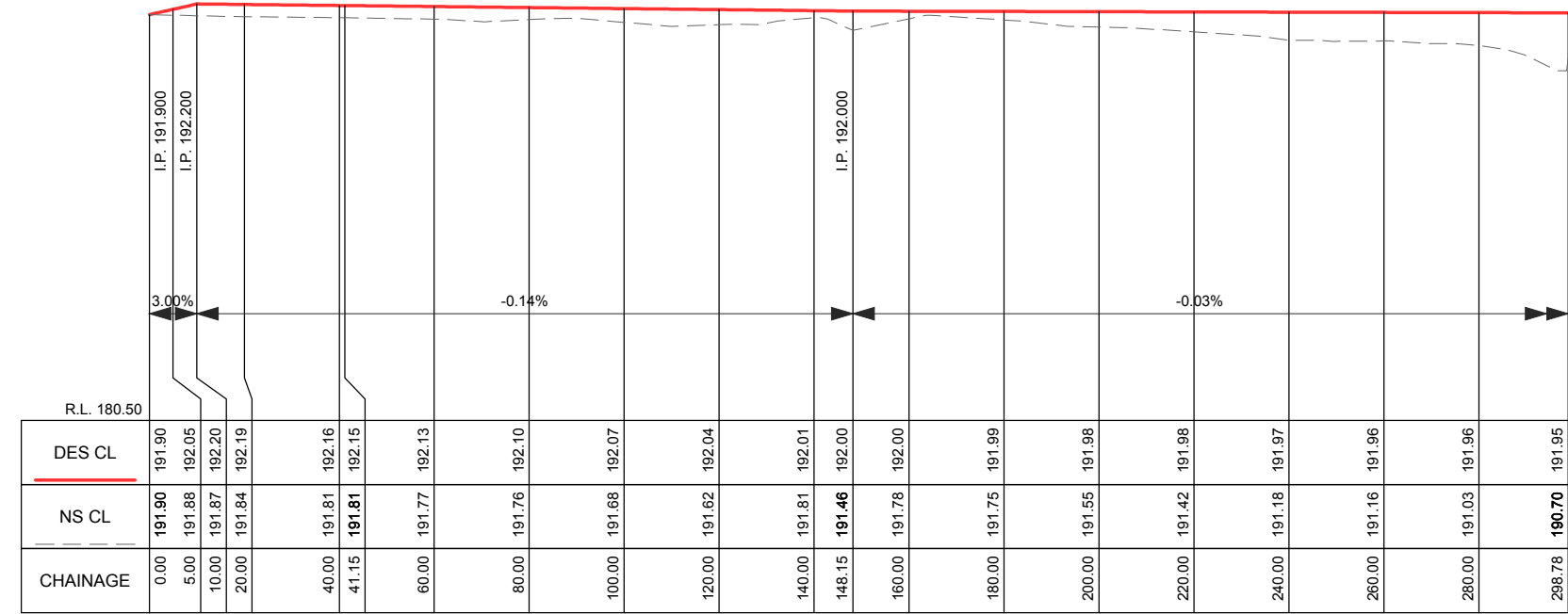
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Checked	A. Smith	Nov 19
Approved by	B. Martini	Jan 20
Scale: 1:1000 (A3)	Revision: A	
Original sheet size: A3	File:	
Sheet: 7 OF 10	Reference: GB4548	

**PRELIMINARY DESIGN
DRAFT 1**

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI



East 1 - LONGITUDINAL SECTION CH 0.000 To 423.709
SCALES: H 1:1500 V 1:200 (A3)



West 1 - LONGITUDINAL SECTION CH 0.000 To 298.780
SCALES: H 1:1500 V 1:200 (A3)

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

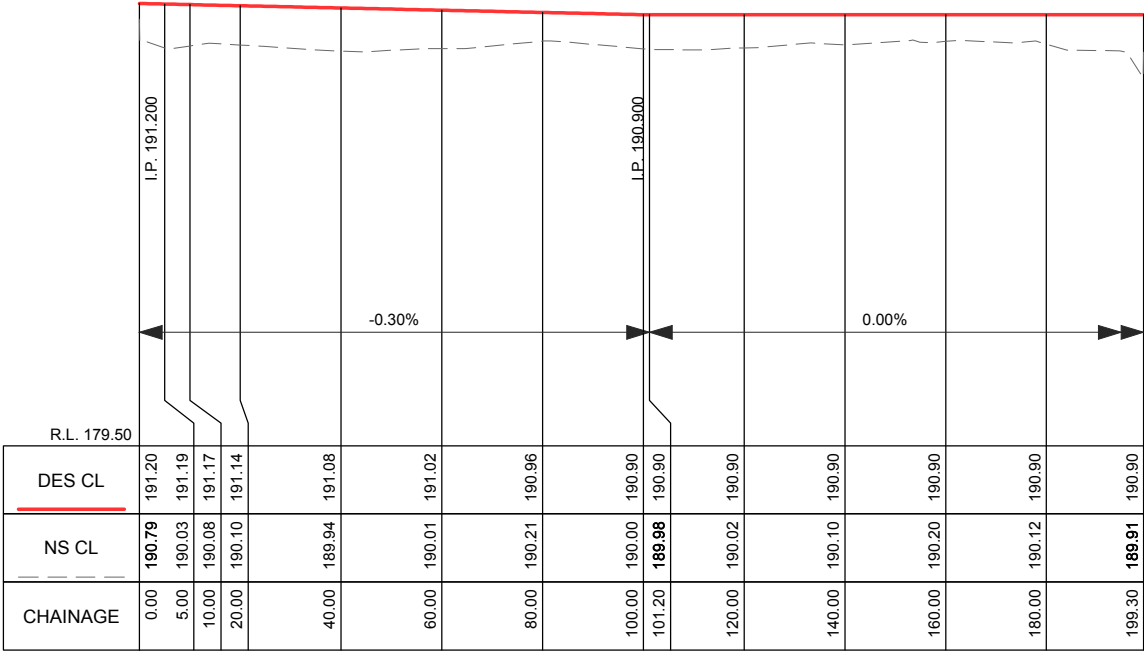
RACECOURSE CREEK
ASCOT
FLOOD CONTAINMENT WORKS

LONG SECTIONS

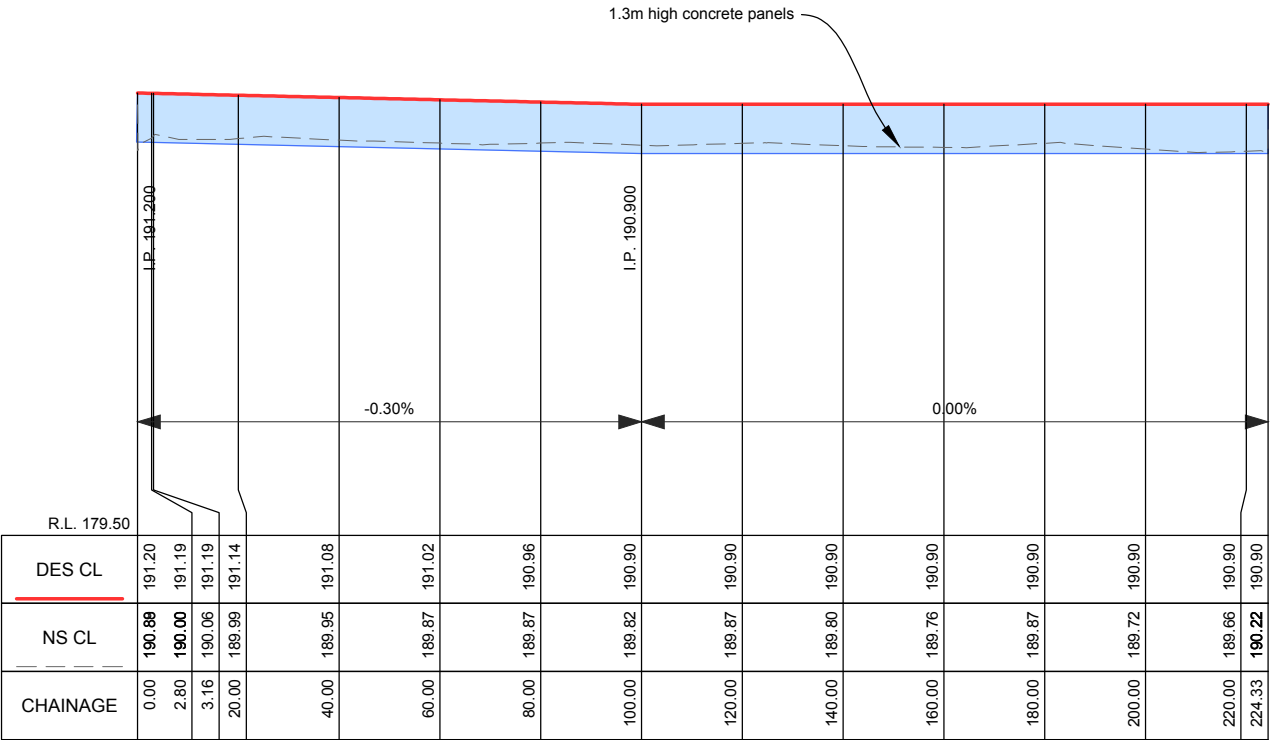
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Scale: -	Revision : A	
Original sheet size: A3	File :	
Sheet: 8 OF 10	Reference: GB4548	

PRELIMINARY DESIGN
DRAFT 1

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI



East 2 - LONGITUDINAL SECTION CH 0.000 To 199.301
SCALES: H 1:1500 V 1:200 (A3)



West 2 - LONGITUDINAL SECTION CH 0.000 To 224.327
SCALES: H 1:1500 V 1:200 (A3)

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

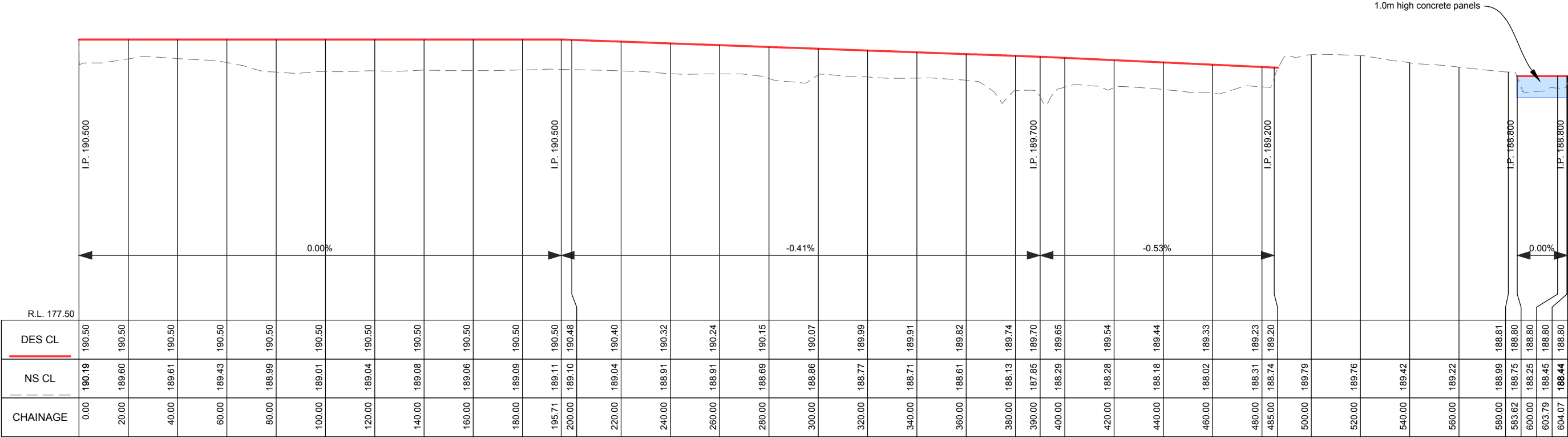
RACECOURSE CREEK
ASCOT
FLOOD CONTAINMENT WORKS

LONG SECTIONS

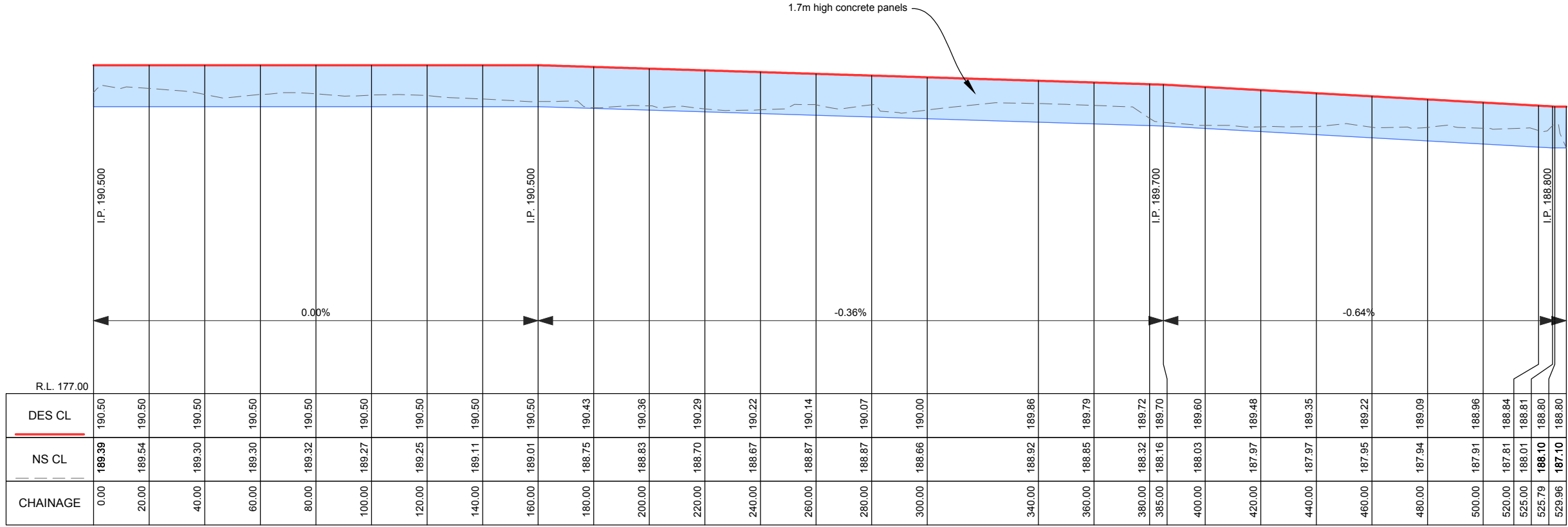
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Checked	A.Smith	Nov 19
Approved by	B.Martini	Jan 20
Scale: -	Revision : A	
Original sheet size: A3	File :	
Sheet: 9 OF 10	Reference: GB4548	

PRELIMINARY DESIGN
DRAFT 1

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI



East 3 - LONGITUDINAL SECTION CH 0.000 To 604.068
SCALES: H 1:1750 V 1:200 (A3)



West 3 - LONGITUDINAL SECTION CH 0.000 To 529.964
SCALES: H 1:1750 V 1:200 (A3)

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

RACECOURSE CREEK
ASCOT
FLOOD CONTAINMENT WORKS

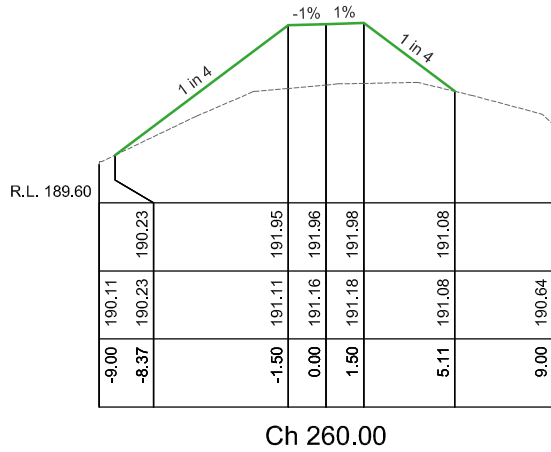
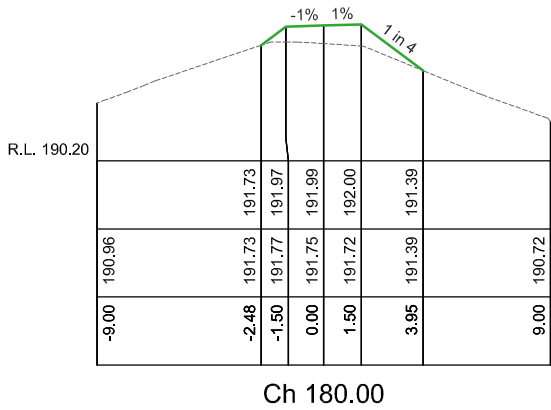
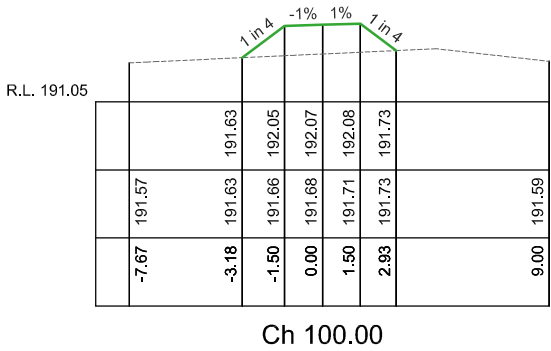
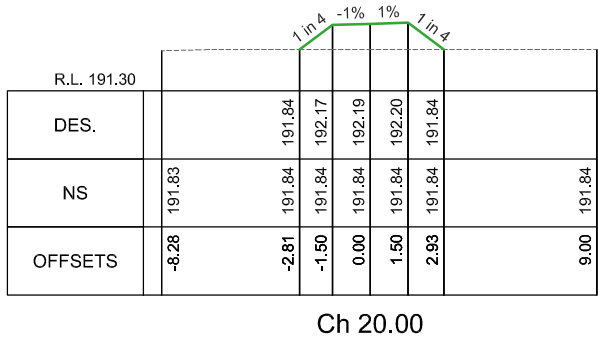
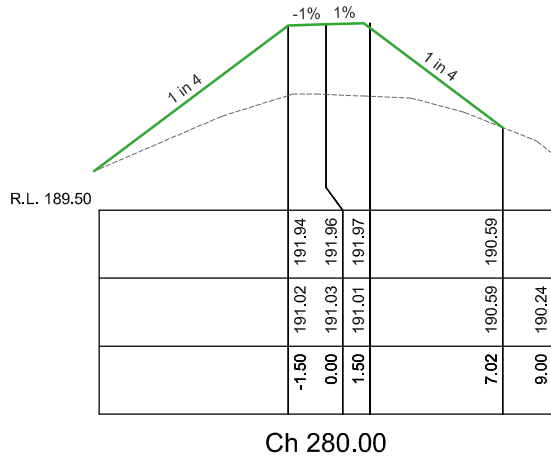
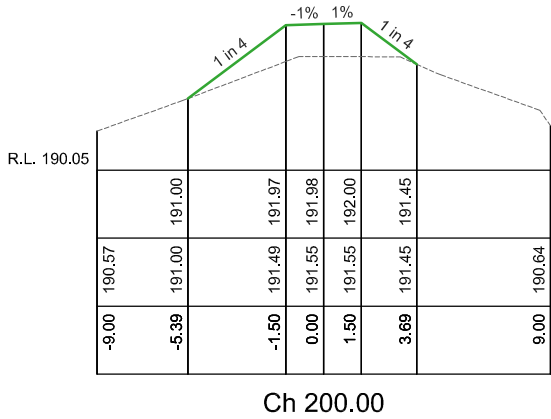
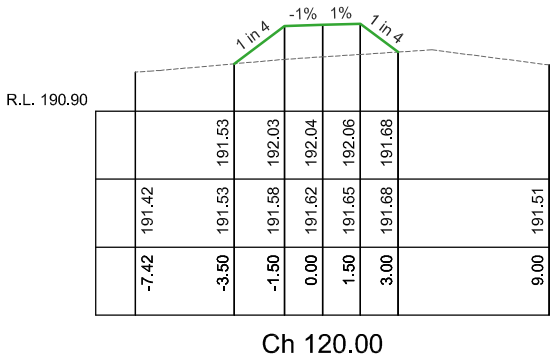
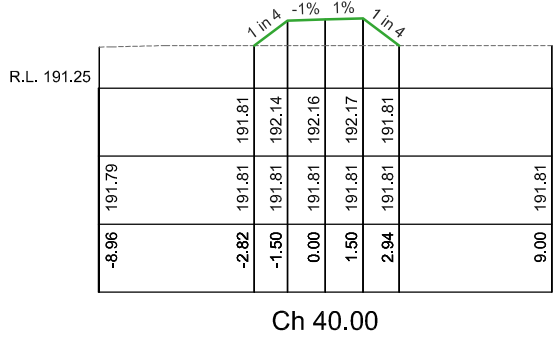
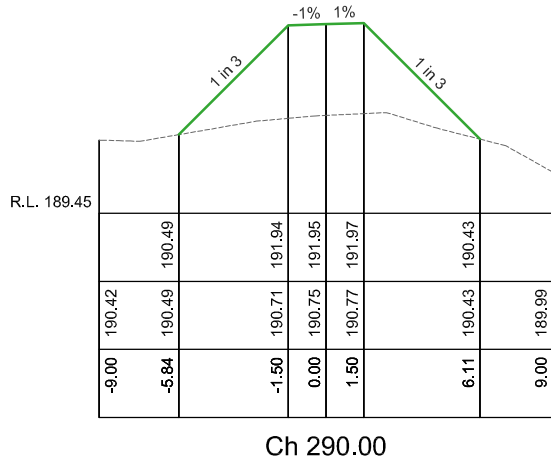
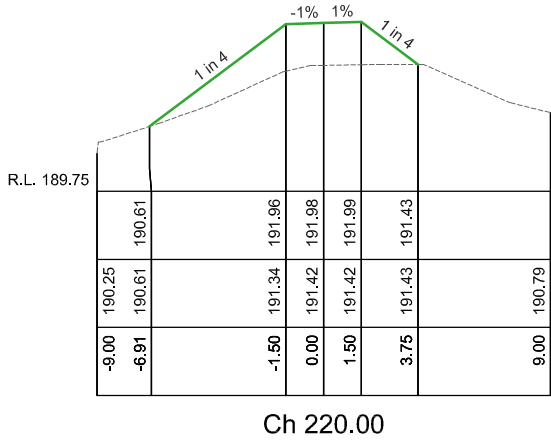
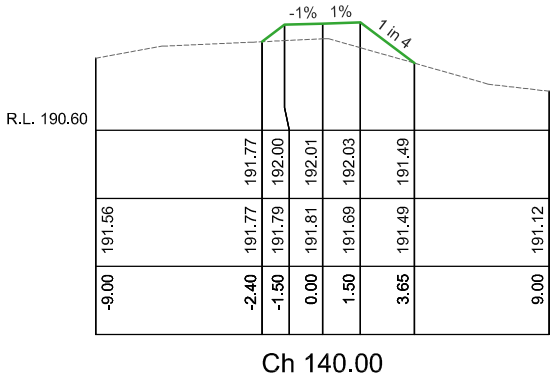
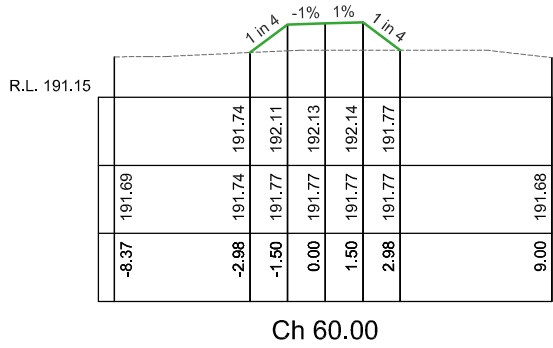
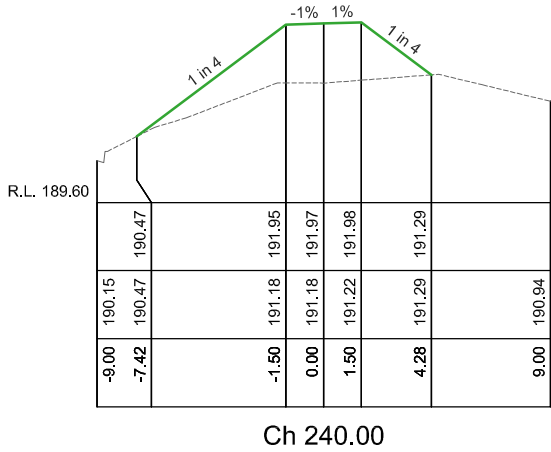
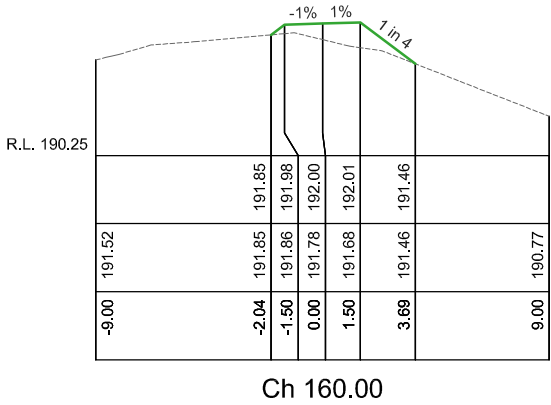
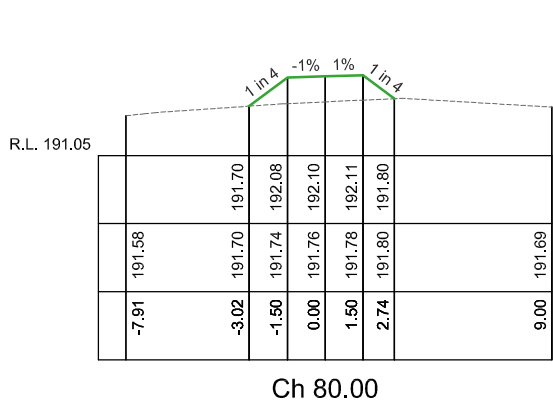
LONG SECTIONS

Survey	H. Whytock	June 19
Design	N. Sartori	Oct 19
Checked	A.Smith	Nov 19
Approved by	B.Martini	Jan 20
Scale: -	Revision : A	
Original sheet size: A3	File :	
Sheet: 10 OF 10	Reference: GB4548	

PRELIMINARY DESIGN
DRAFT 1

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI

WEST 1 CROSS SECTIONS



SCALES: H 1:300 V 1:100 (A3)

- Private land to be acquired
- Top of existing creek banks and 30m offset lines
- Existing title boundaries (Not yet Re-established by title surveyor)
- Existing fencelines

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

RACECOURSE CREEK
ASCOT
FLOOD CONTAINMENT WORKS

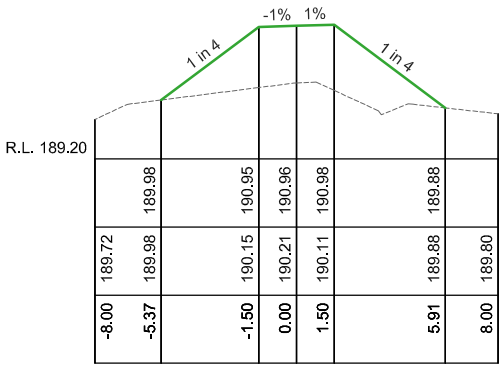
WEST 1 CROSS SECTIONS

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Checked	A.Smith	Nov 19
Approved by	B.Martini	Jan 20
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Sheet:	Reference:	
3 OF 10	GB4548	

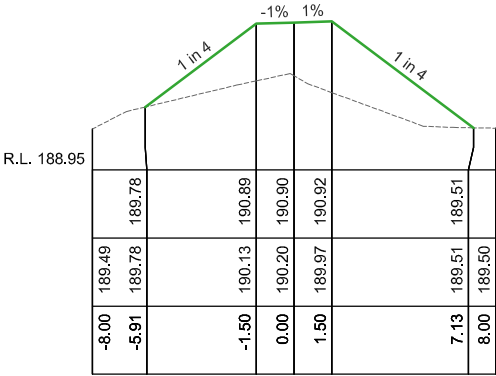
PRELIMINARY DESIGN
DRAFT 1

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI

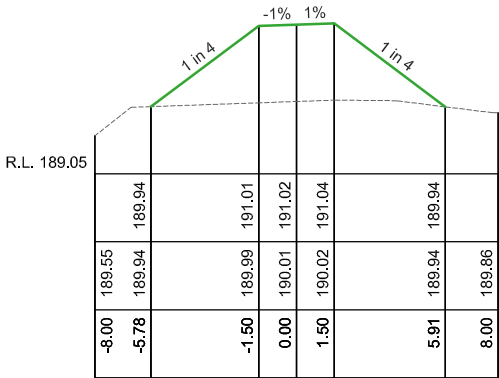
EAST 2 CROSS SECTIONS



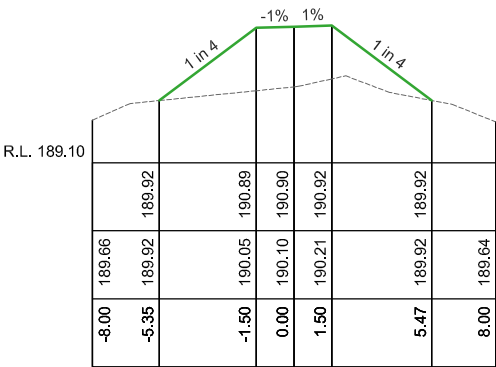
Ch 80.00



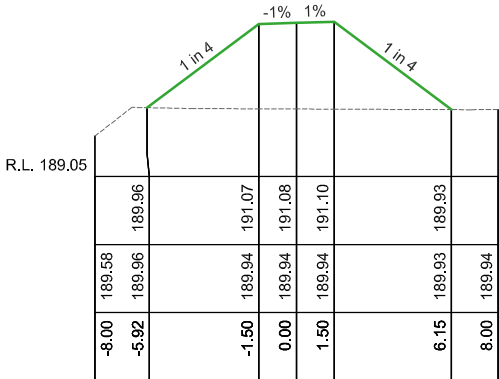
Ch 160.00



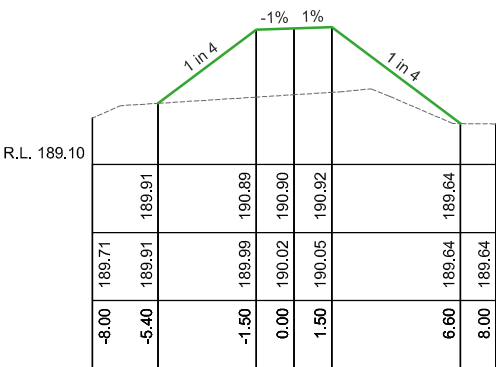
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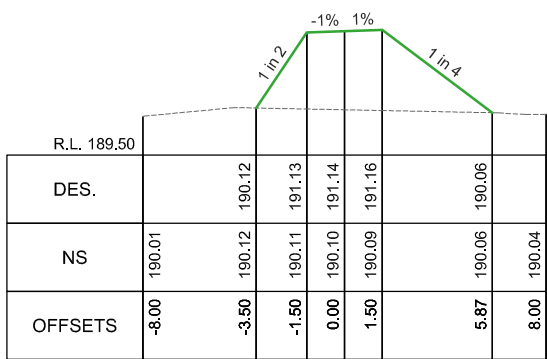
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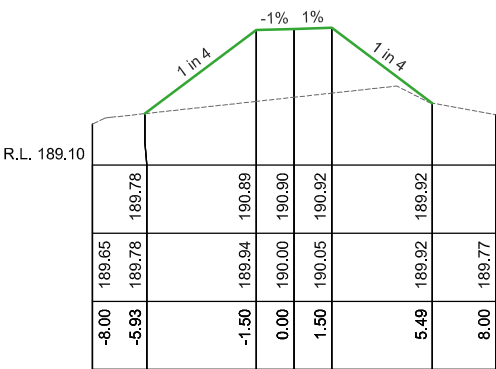
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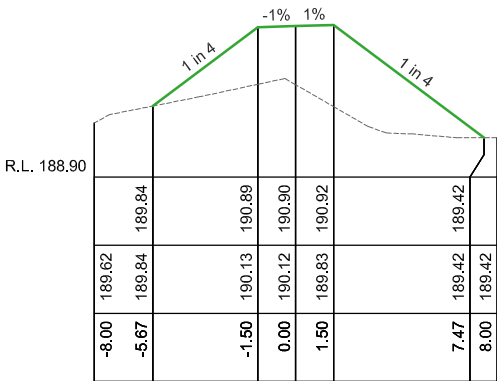
Ch 120.00



Ch 20.00



Ch 100.00



Ch 180.00

SCALES: H 1:300 V 1:100 (A3)

- Private land to be acquired
- Top of existing creek banks and 30m offset lines
- Existing title boundaries (Not yet Re-established by title surveyor)
- Existing fencelines

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

RACECOURSE CREEK
ASCOT
FLOOD CONTAINMENT WORKS

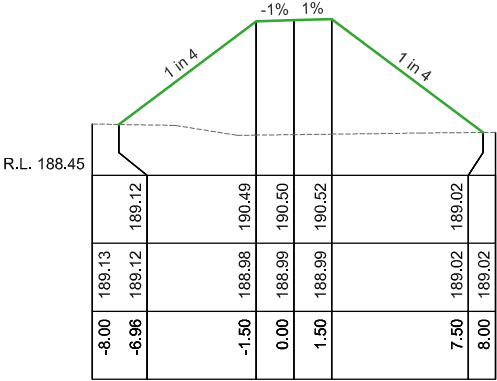
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Design	N. Sartori	Oct 19
Checked	A.Smith	Nov 19
Approved by	B.Martini	Jan 20
Scale: 1:2000 (A3)	Revision : A	
Original sheet size: A3	File :	
Sheet: 3 OF 10	Reference: GB4548	

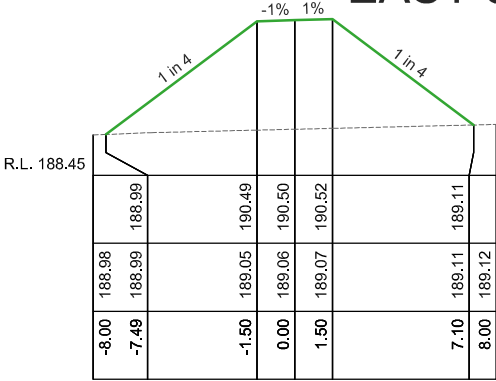
PRELIMINARY DESIGN
DRAFT 1

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI

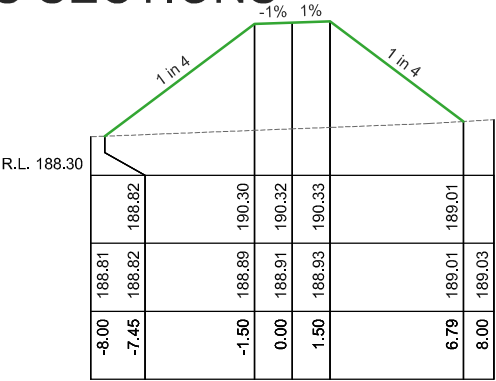
EAST 3 CROSS SECTIONS



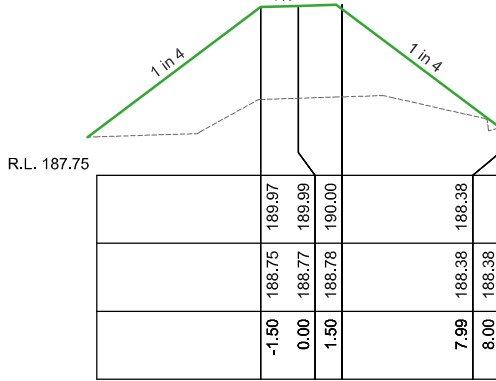
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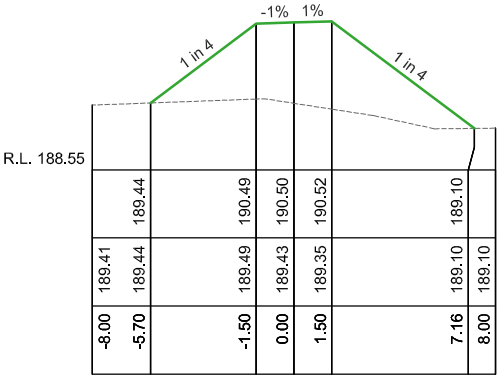
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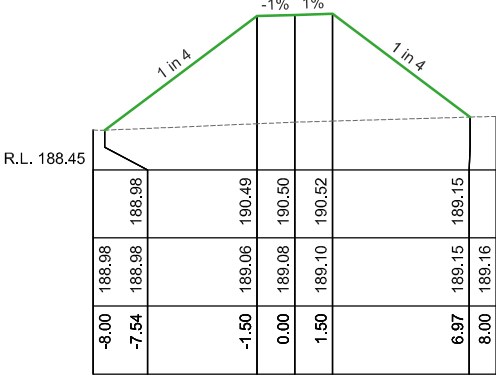
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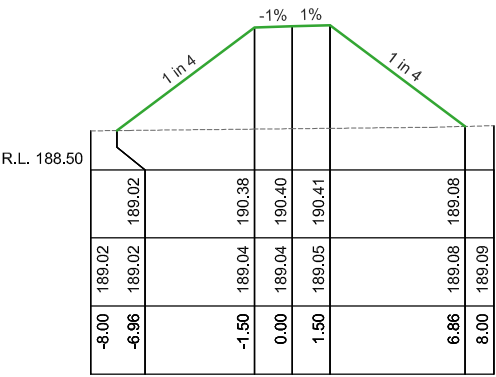
Ch 320.00



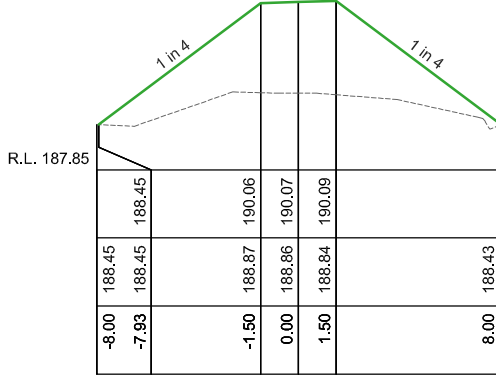
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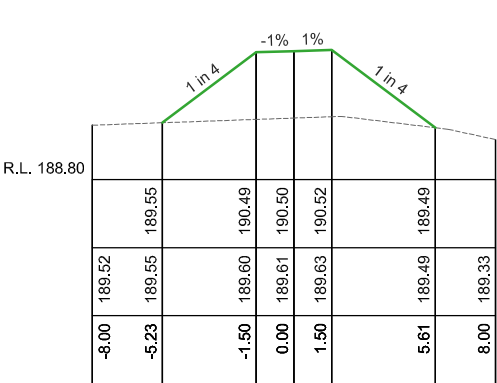
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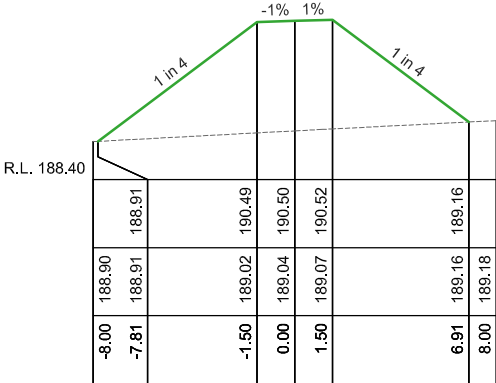
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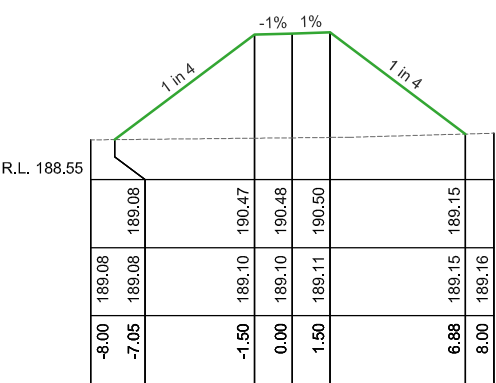
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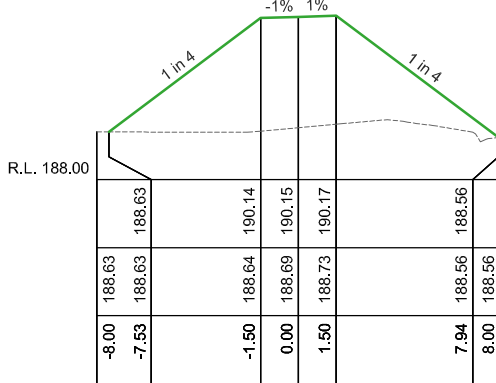
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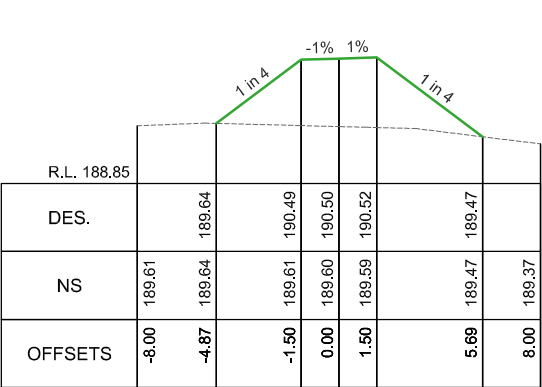
Ch 120.00



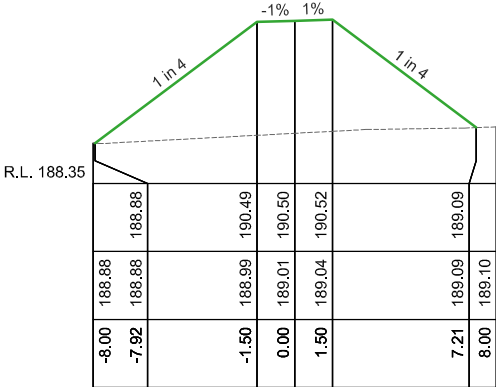
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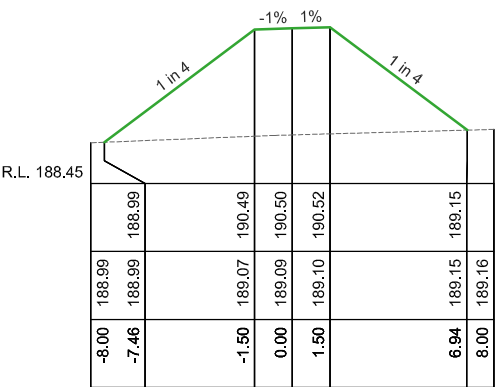
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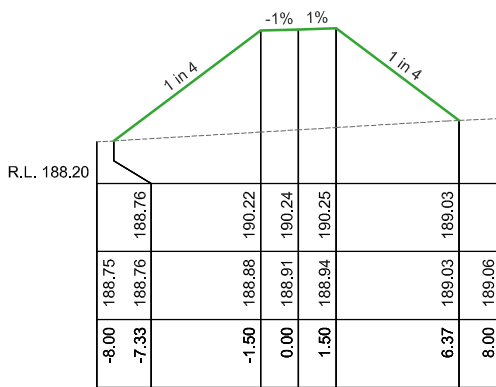
Ch 20.00



Ch 100.00



Ch 180.00



Ch 260.00

SCALES: H 1:300 V 1:100 (A3)

- Private land to be acquired
- Top of existing creek banks and 30m offset lines
- Existing title boundaries (Not yet Re-established by title surveyor)
- Existing fencelines

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

RACECOURSE CREEK
ASCOT
FLOOD CONTAINMENT WORKS

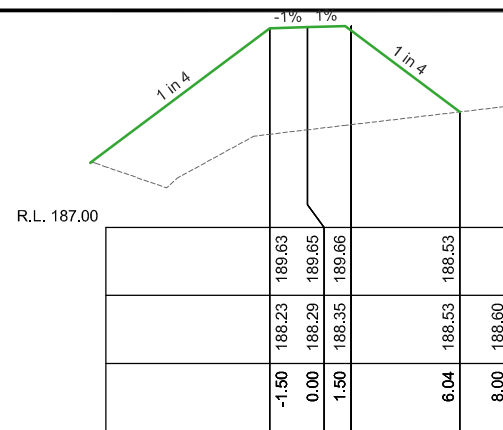
EAST 3 CROSS SECTIONS

Survey	H. Whylock	June 19
Design	N. Sartori	Oct 19
Checked	A.Smith	Nov 19
Approved by	B.Martini	Jan 20
Scale: 1:2000 (A3)	Revision : A	
Original sheet size: A3	File :	
Sheet:	Reference:	
3 OF 10	GB4548	

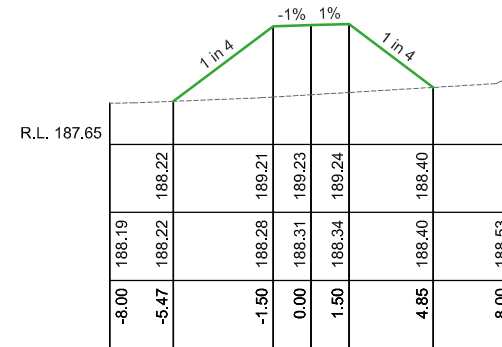
PRELIMINARY DESIGN
DRAFT 1

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI

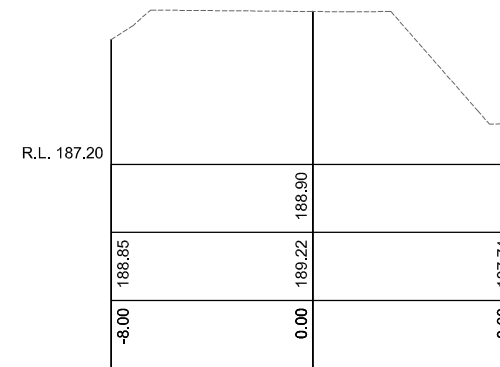
EAST 3 CROSS SECTIONS



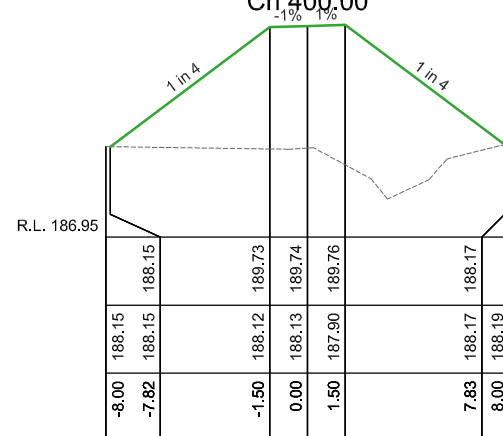
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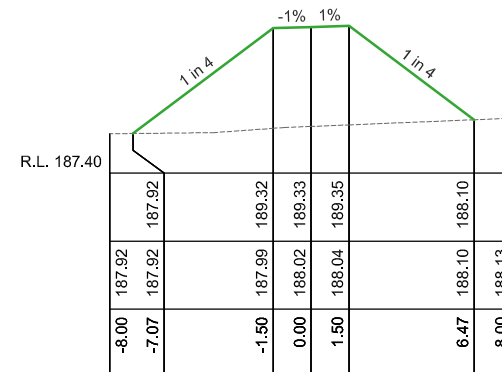
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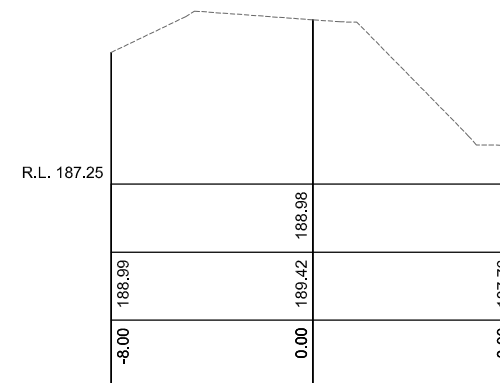
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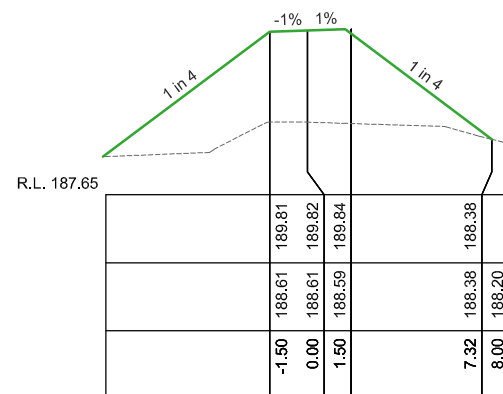
Ch 380.00



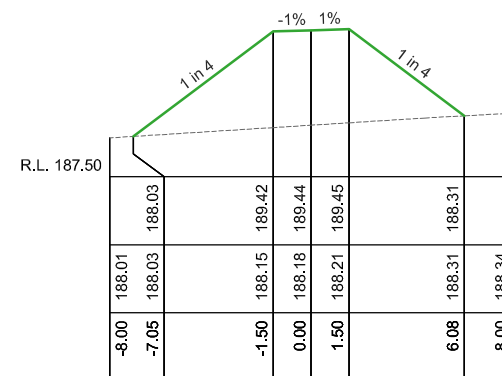
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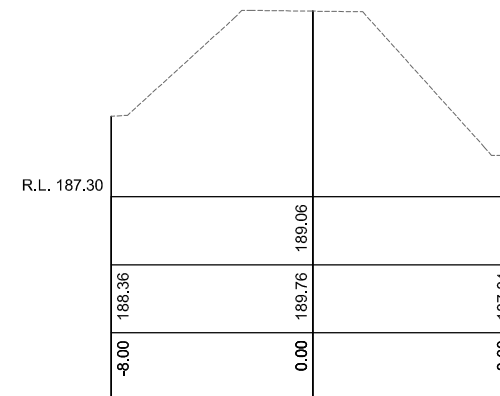
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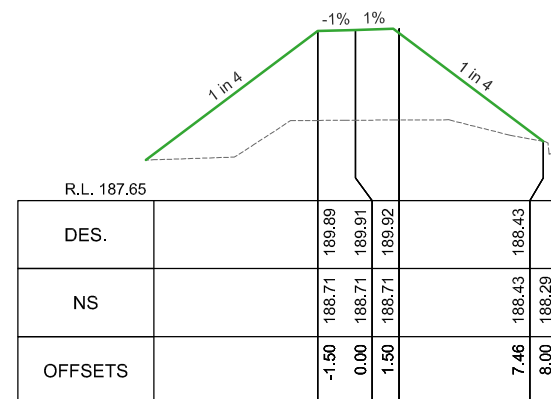
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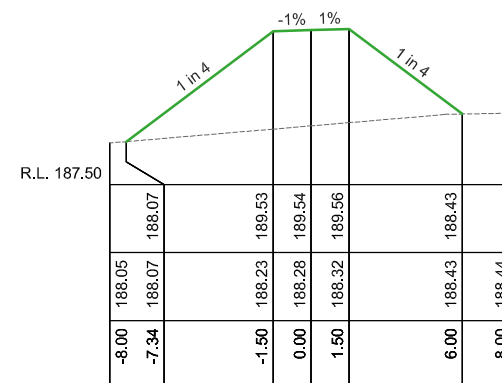
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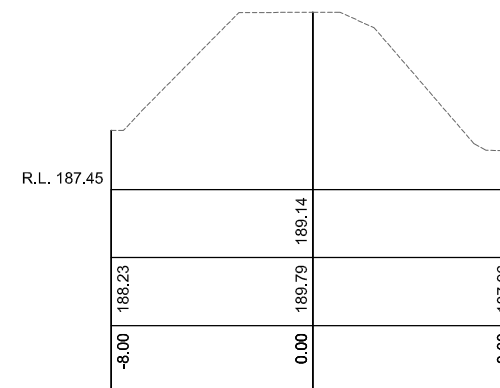
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Ch 340.00



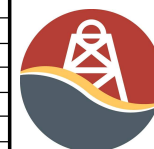
Ch 420.00



Ch 500.00

SCALES: H 1:300 V 1:100 (A3)

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[illegible]

CITY OF GREATER BENDIGO

RACECOURSE CREEK
ASCOT
FLOOD CONTAINMENT WORKS

Survey	H. Whytock	June 19
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Scale: 1:2000 (A3)		Revision : A
Original sheet size: A3		File :
Sheet: 3 OF 10	Reference: GB4548	

**PRELIMINARY DESIGN
DRAFT 1**

Plot Date: 17/04/2020
Plotted By: NATHAN SARTORI