
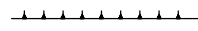








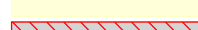
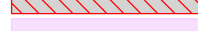




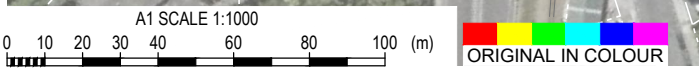
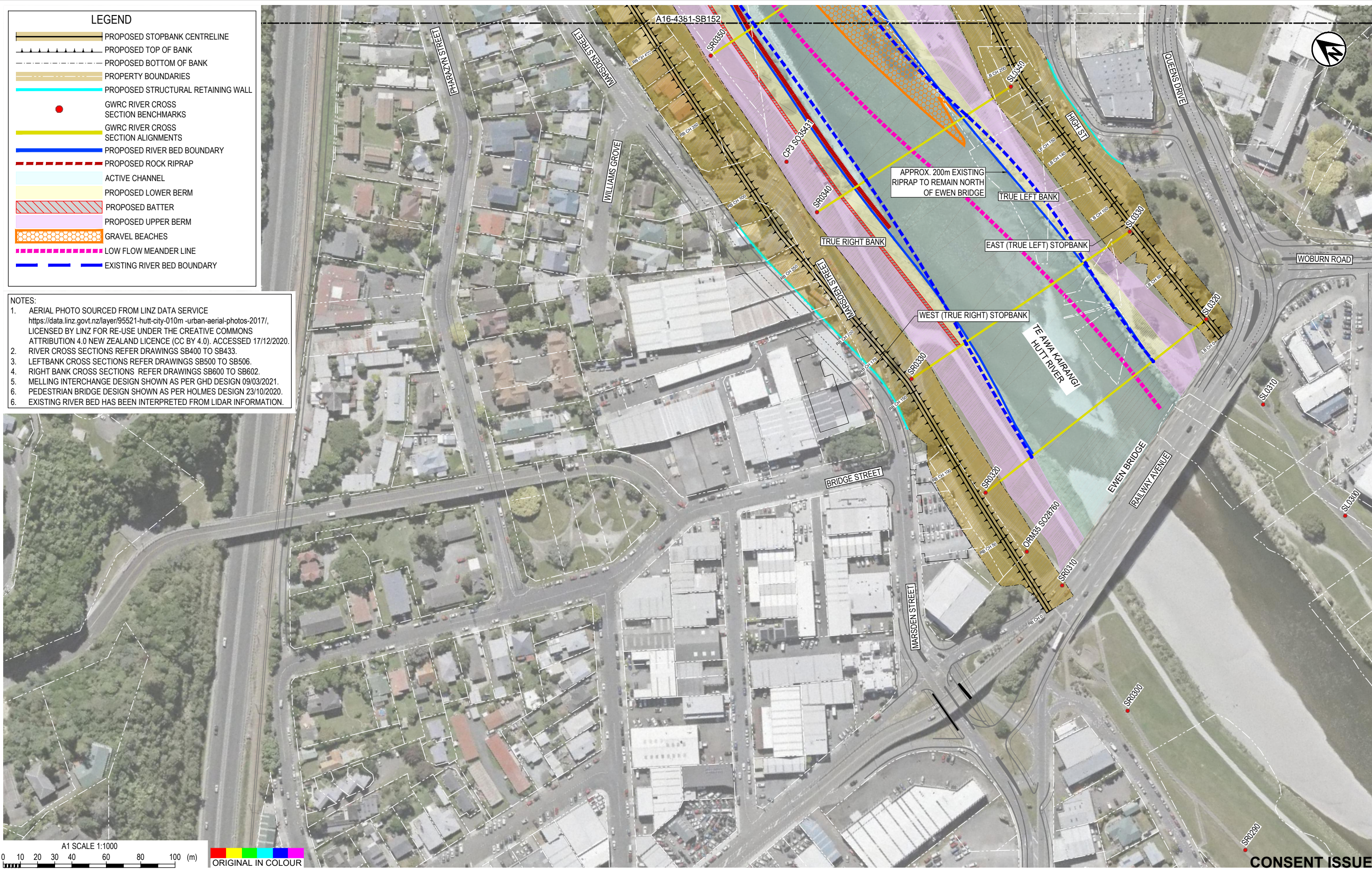


**LEGEND**

-  PROPOSED STOPBANK CENTRELINE
-  PROPOSED TOP OF BANK
-  PROPOSED BOTTOM OF BANK
-  PROPERTY BOUNDARIES
-  PROPOSED STRUCTURAL RETAINING WALL
-  GWRC RIVER CROSS SECTION BENCHMARKS
-  GWRC RIVER CROSS SECTION ALIGNMENTS
-  PROPOSED RIVER BED BOUNDARY
-  PROPOSED ROCK RIPRAP
-  ACTIVE CHANNEL
-  PROPOSED LOWER BERM
-  PROPOSED BATTER
-  PROPOSED UPPER BERM
-  GRAVEL BEACHES
-  LOW FLOW MEANDER LINE
-  EXISTING RIVER BED BOUNDARY

- NOTES:**
1. AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE  
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  2. RIVER CROSS SECTIONS REFER DRAWINGS SB400 TO SB433.
  3. LEFTBANK CROSS SECTIONS REFER DRAWINGS SB500 TO SB506.
  4. RIGHT BANK CROSS SECTIONS REFER DRAWINGS SB600 TO SB602.
  5. MELLING INTERCHANGE DESIGN SHOWN AS PER GHD DESIGN 09/03/2021.
  6. PEDESTRIAN BRIDGE DESIGN SHOWN AS PER HOLMES DESIGN 23/10/2020.
  6. EXISTING RIVER BED HAS BEEN INTERPRETED FROM LIDAR INFORMATION.



**CONSENT ISSUE**

C	DESIGN FREEZE 2 - MELLING UPDATE	RHTA	LOHA	09/04/21		
D	DESIGN FREEZE 2 - RESOURCE CONSENT	IARA	LOHA	07/05/21		
E	DF2 - RESOURCE CONSENT AMENDMENTS	RHTA	LOHA	18/05/21		
F	DF2 - RIPRAP AMENDMENTS	DSW	LOHA	15/06/21		
G	CONSENT ISSUE	DFL	LOHA	BSS 28/07/21		
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date

**RiverLink**

**Isthmus.**   

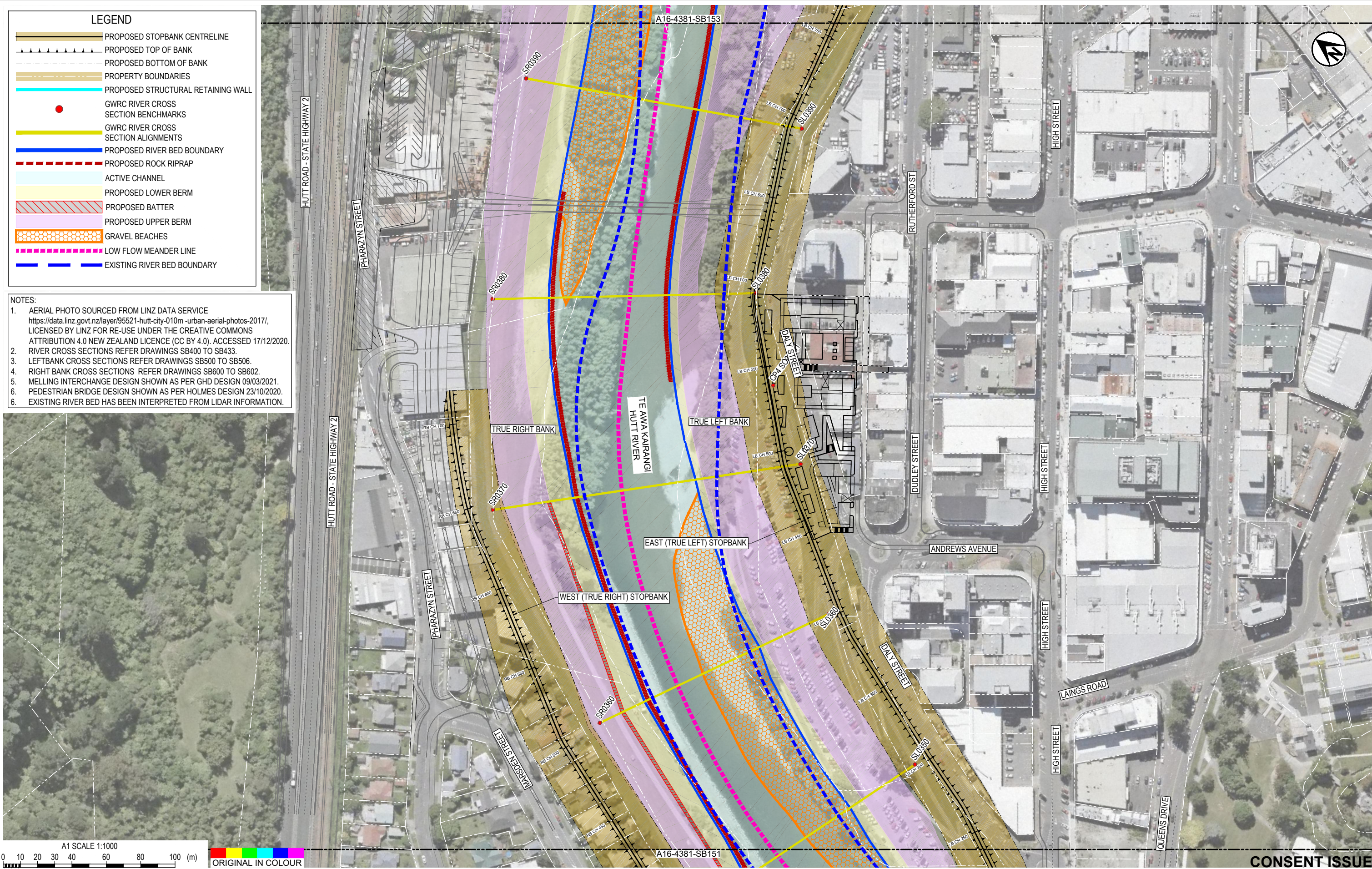
**DO NOT SCALE**

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Drawn	BRMA	Designed	TXH
Drafting Check	RBS	Design Check	LOHA
Approved	BRUCE SYMMANS		
Date	28/07/21		
Scale	1:1000		

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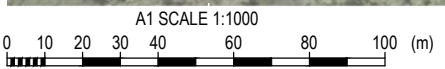
Client	<b>RIVERLINK</b>
Project	<b>RIVERLINK</b>
Title	<b>STOPBANK LAYOUT PLAN AND RIVERWORKS SHEET 1 OF 8</b>
Original Size	A1
Drawing No:	<b>A16-4381-SB151</b>
Rev:	<b>G</b>



**LEGEND**

- PROPOSED STOPBANK CENTRELINE
- PROPOSED TOP OF BANK
- PROPOSED BOTTOM OF BANK
- PROPERTY BOUNDARIES
- PROPOSED STRUCTURAL RETAINING WALL
- GWRC RIVER CROSS SECTION BENCHMARKS
- GWRC RIVER CROSS SECTION ALIGNMENTS
- PROPOSED RIVER BED BOUNDARY
- PROPOSED ROCK RIPRAP
- ACTIVE CHANNEL
- PROPOSED LOWER BERM
- PROPOSED BATTER
- PROPOSED UPPER BERM
- GRAVEL BEACHES
- LOW FLOW MEANDER LINE
- EXISTING RIVER BED BOUNDARY

- NOTES:**
1. AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE  
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  2. RIVER CROSS SECTIONS REFER DRAWINGS SB400 TO SB433.
  3. LEFTBANK CROSS SECTIONS REFER DRAWINGS SB500 TO SB506.
  4. RIGHT BANK CROSS SECTIONS REFER DRAWINGS SB600 TO SB602.
  5. MELLING INTERCHANGE DESIGN SHOWN AS PER GHD DESIGN 09/03/2021.
  6. PEDESTRIAN BRIDGE DESIGN SHOWN AS PER HOLMES DESIGN 23/10/2020.
  6. EXISTING RIVER BED HAS BEEN INTERPRETED FROM LIDAR INFORMATION.



**CONSENT ISSUE**

B	DESIGN FREEZE 2 - DRAFT	DSW	LOHA	12/03/21		
C	DESIGN FREEZE 2 - MELLING UPDATE	RHTA	LOHA	09/04/21		
D	DESIGN FREEZE 2 - RESOURCE CONSENT	IARA	LOHA	07/05/21		
E	DF2 - RESOURCE CONSENT AMENDMENTS	RHTA	LOHA	18/05/21		
F	CONSENT ISSUE	DFL	LOHA	BSS 28/07/21		
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date

**RiverLink**

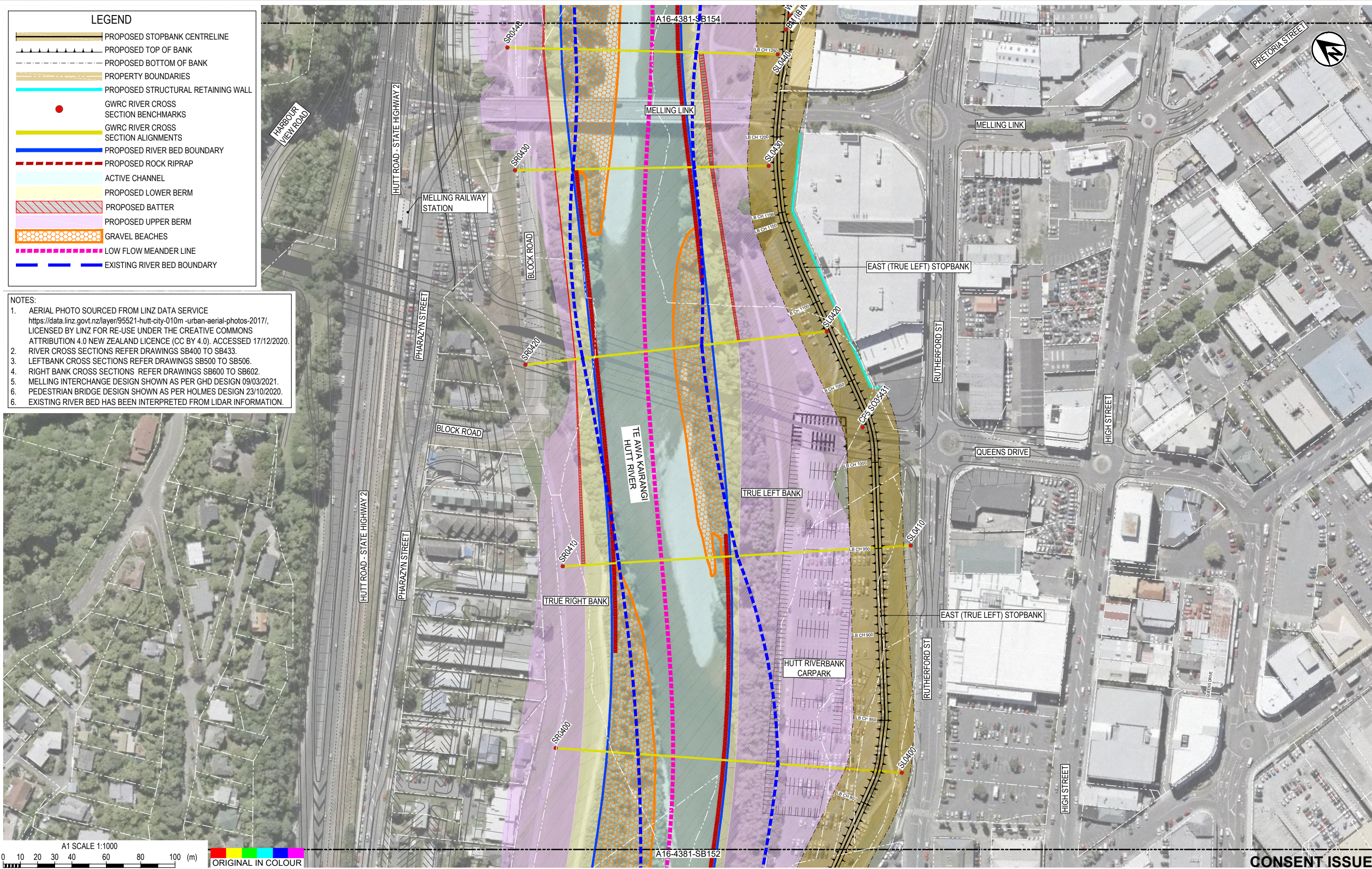
**Isthmus.** **Tonkin+Taylor** **GHD** **Holmes**

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Drawn	BRMA	Designed	TXH
Drafting Check	RBS	Design Check	LOHA
Approved	BRUCE SYMMANS		
Date	28/07/21		
Scale	1:1000		

Client	<b>RIVERLINK</b>
Project	<b>RIVERLINK</b>
Title	<b>STOPBANK LAYOUT PLAN AND RIVERWORKS SHEET 2 OF 8</b>
Original Size	A1
Drawing No:	<b>A16-4381-SB152</b>
Rev:	F



- LEGEND**
- PROPOSED STOPBANK CENTRELINE
  - PROPOSED TOP OF BANK
  - PROPOSED BOTTOM OF BANK
  - PROPERTY BOUNDARIES
  - PROPOSED STRUCTURAL RETAINING WALL
  - GWRC RIVER CROSS SECTION BENCHMARKS
  - GWRC RIVER CROSS SECTION ALIGNMENTS
  - PROPOSED RIVER BED BOUNDARY
  - PROPOSED ROCK RIPRAP
  - ACTIVE CHANNEL
  - PROPOSED LOWER BERM
  - PROPOSED BATTER
  - PROPOSED UPPER BERM
  - GRAVEL BEACHES
  - LOW FLOW MEANDER LINE
  - EXISTING RIVER BED BOUNDARY
- NOTES:**
1. AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE  
<https://data.linz.govt.nz/layer/95521-hutt-city-010m-urban-aerial-photos-2017/>,  
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  2. RIVER CROSS SECTIONS REFER DRAWINGS SB400 TO SB433.
  3. LEFTBANK CROSS SECTIONS REFER DRAWINGS SB500 TO SB506.
  4. RIGHT BANK CROSS SECTIONS REFER DRAWINGS SB600 TO SB602.
  5. MELLING INTERCHANGE DESIGN SHOWN AS PER HOLMES DESIGN 09/03/2021.
  6. PEDESTRIAN BRIDGE DESIGN SHOWN AS PER HOLMES DESIGN 23/10/2020.
  6. EXISTING RIVER BED HAS BEEN INTERPRETED FROM LIDAR INFORMATION.

A1 SCALE 1:1000  
 0 10 20 30 40 60 80 100 (m)  
 ORIGINAL IN COLOUR

B	DESIGN FREEZE 2 - DRAFT	DSW	LOHA	12/03/21
C	DESIGN FREEZE 2 - MELLING UPDATE	RHTA	LOHA	09/04/21
D	DESIGN FREEZE 2 - RESOURCE CONSENT	IARA	LOHA	07/05/21
E	DF2 - RESOURCE CONSENT AMENDMENTS	RHTA	LOHA	18/05/21
F	CONSENT ISSUE	DFL	LOHA	BSS 28/07/21

No Revision Note: \* indicates signatures on original issue of drawing or last revision of drawing Drawn Checked Approved Date


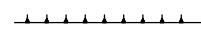
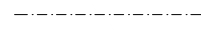















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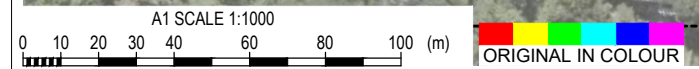
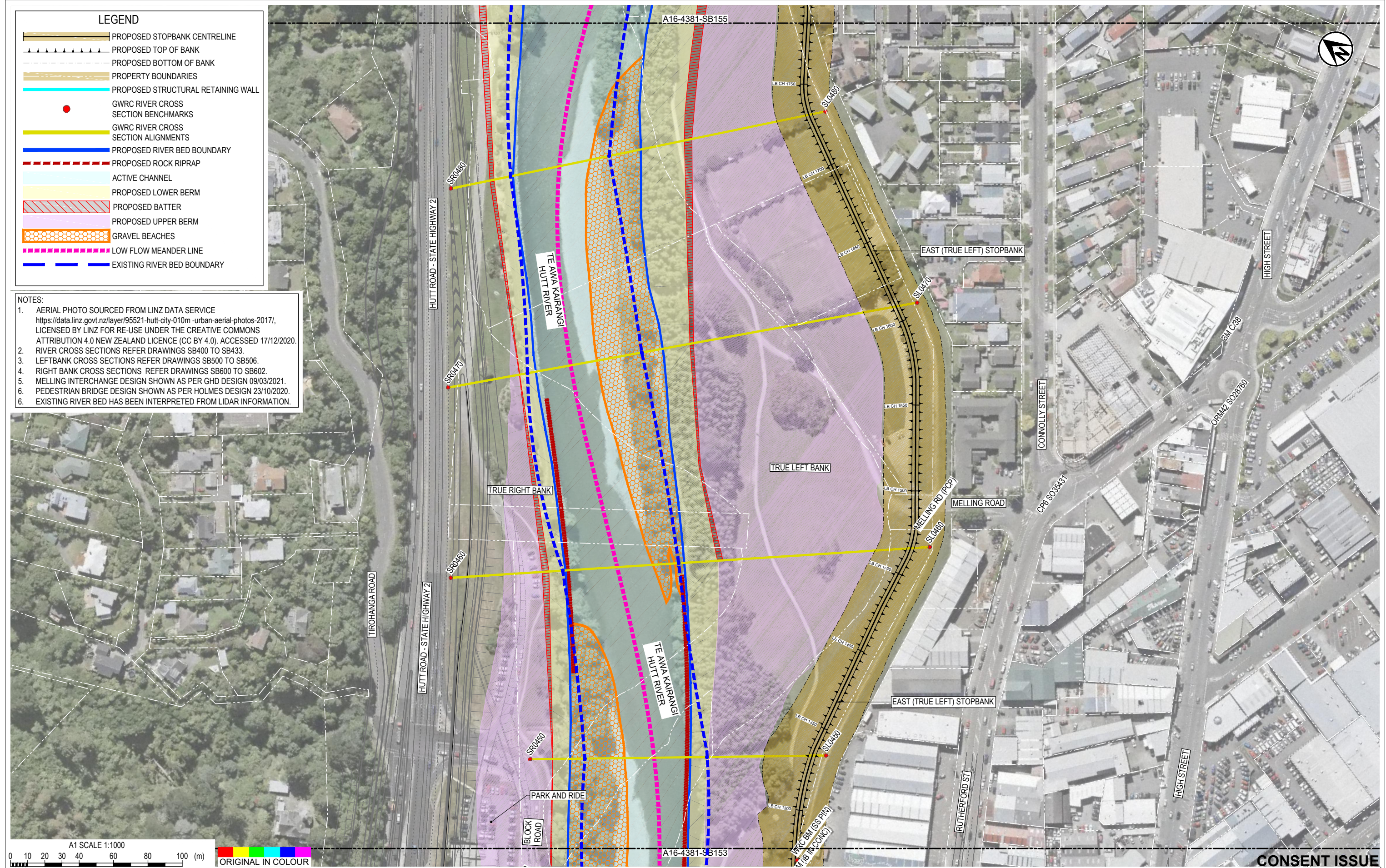
Drawn	BRMA	Designed	TXH
Drafting Check	RBS	Design Check	LOHA
Approved	BRUCE SYMMANS		
Date	28/07/21		
Scale	1:1000		

Client	RIVERLINK		
Project	RIVERLINK		
Title	STOPBANK LAYOUT PLAN AND RIVERWORKS SHEET 3 OF 8		
Original Size	A1	Drawing No:	A16-4381-SB153
Rev:	F		

**LEGEND**

-  PROPOSED STOPBANK CENTRELINE
-  PROPOSED TOP OF BANK
-  PROPOSED BOTTOM OF BANK
-  PROPERTY BOUNDARIES
-  PROPOSED STRUCTURAL RETAINING WALL
-  GWRC RIVER CROSS SECTION BENCHMARKS
-  GWRC RIVER CROSS SECTION ALIGNMENTS
-  PROPOSED RIVER BED BOUNDARY
-  PROPOSED ROCK RIPRAP
-  ACTIVE CHANNEL
-  PROPOSED LOWER BERM
-  PROPOSED BATTER
-  PROPOSED UPPER BERM
-  GRAVEL BEACHES
-  LOW FLOW MEANDER LINE
-  EXISTING RIVER BED BOUNDARY

- NOTES:**
1. AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE  
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  2. RIVER CROSS SECTIONS REFER DRAWINGS SB400 TO SB433.
  3. LEFTBANK CROSS SECTIONS REFER DRAWINGS SB500 TO SB506.
  4. RIGHT BANK CROSS SECTIONS REFER DRAWINGS SB600 TO SB602.
  5. MELLING INTERCHANGE DESIGN SHOWN AS PER GHD DESIGN 09/03/2021.
  6. PEDESTRIAN BRIDGE DESIGN SHOWN AS PER HOLMES DESIGN 23/10/2020.
  6. EXISTING RIVER BED HAS BEEN INTERPRETED FROM LIDAR INFORMATION.



**CONSENT ISSUE**

B	DESIGN FREEZE 2 - DRAFT	DSW	LOHA	12/03/21
C	DESIGN FREEZE 2 - MELLING UPDATE	RHTA	LOHA	09/04/21
D	DESIGN FREEZE 2 - RESOURCE CONSENT	IARA	LOHA	07/05/21
E	DF2 - RESOURCE CONSENT AMENDMENTS	RHTA	LOHA	18/05/21
F	CONSENT ISSUE	DFL	LOHA	BSS 28/07/21

No Revision Note: \* indicates signatures on original issue of drawing or last revision of drawing Drawn Checked Approved Date

**RiverLink**

**Isthmus.** **Tonkin+Taylor** **GHD** **Holmes**

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Drawn	BRMA	Designed	TXH
Drafting Check	RBS	Design Check	LOHA
Approved	BRUCE SYMMANS		
Date	28/07/21		
Scale	1:1000		

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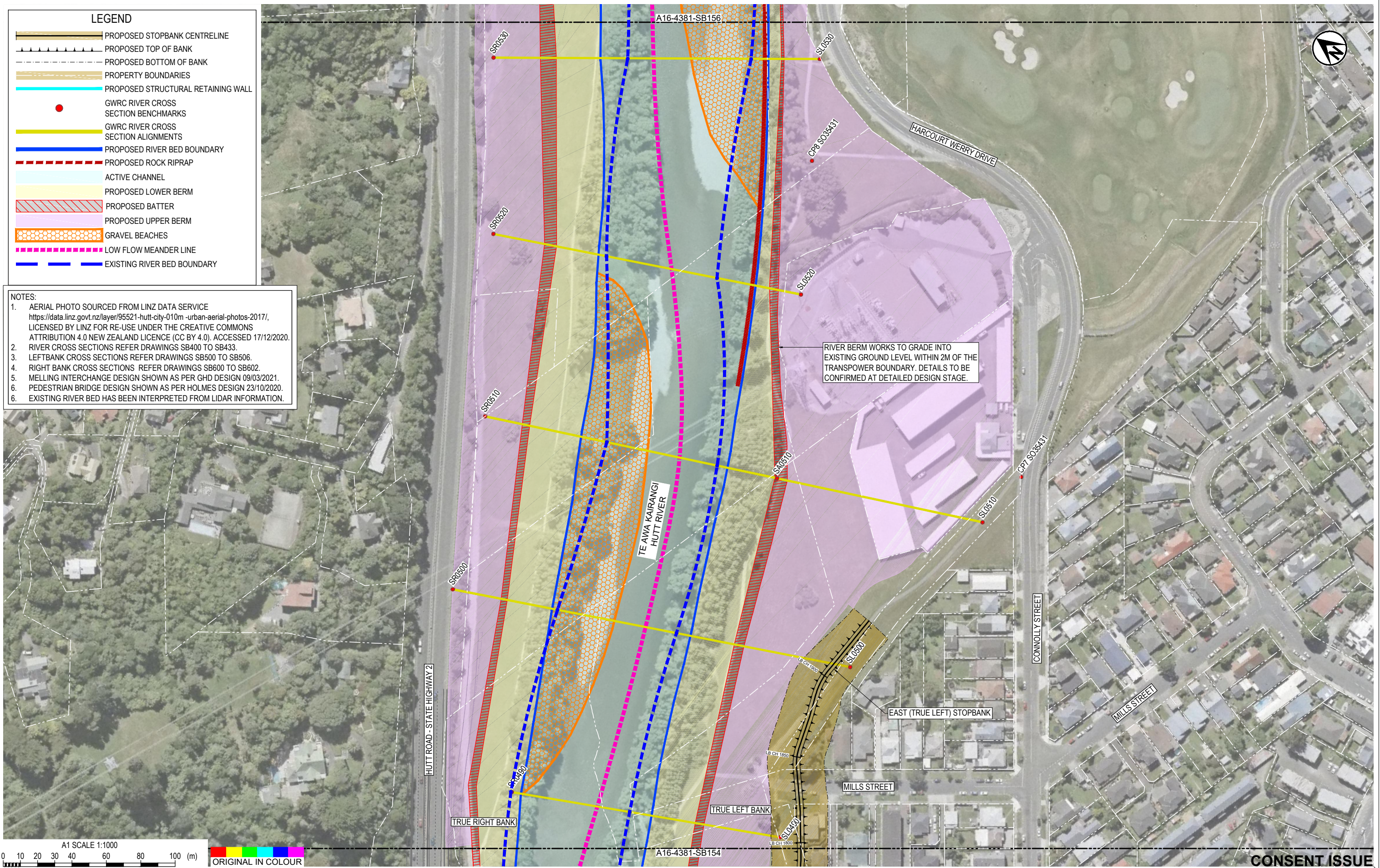
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Project	<b>RIVERLINK</b>
Title	<b>STOPBANK LAYOUT PLAN AND RIVERWORKS SHEET 4 OF 8</b>
Original Size	<b>A1</b>
Drawing No:	<b>A16-4381-SB154</b>
Rev:	<b>F</b>

**LEGEND**

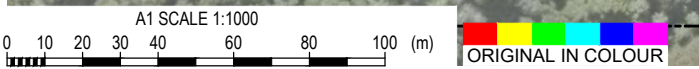
- PROPOSED STOPBANK CENTRELINE
- PROPOSED TOP OF BANK
- PROPOSED BOTTOM OF BANK
- PROPERTY BOUNDARIES
- PROPOSED STRUCTURAL RETAINING WALL
- GWRC RIVER CROSS SECTION BENCHMARKS
- GWRC RIVER CROSS SECTION ALIGNMENTS
- PROPOSED RIVER BED BOUNDARY
- PROPOSED ROCK RIPRAP
- ACTIVE CHANNEL
- PROPOSED LOWER BERM
- PROPOSED BATTER
- PROPOSED UPPER BERM
- GRAVEL BEACHES
- LOW FLOW MEANDER LINE
- EXISTING RIVER BED BOUNDARY

**NOTES:**

1. AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE  
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2. RIVER CROSS SECTIONS REFER DRAWINGS SB400 TO SB433.
3. LEFTBANK CROSS SECTIONS REFER DRAWINGS SB500 TO SB506.
4. RIGHT BANK CROSS SECTIONS REFER DRAWINGS SB600 TO SB602.
5. MELLING INTERCHANGE DESIGN SHOWN AS PER GHD DESIGN 09/03/2021.
6. PEDESTRIAN BRIDGE DESIGN SHOWN AS PER HOLMES DESIGN 23/10/2020.
6. EXISTING RIVER BED HAS BEEN INTERPRETED FROM LIDAR INFORMATION.



RIVER BERM WORKS TO GRADE INTO EXISTING GROUND LEVEL WITHIN 2M OF THE TRANSPOWER BOUNDARY. DETAILS TO BE CONFIRMED AT DETAILED DESIGN STAGE.



**CONSENT ISSUE**

C	DESIGN FREEZE 2 - MELLING UPDATE	RHTA	LOHA	09/04/21
D	DESIGN FREEZE 2 - RESOURCE CONSENT	IARA	LOHA	07/05/21
E	DF2 - RESOURCE CONSENT AMENDMENTS	RHTA	LOHA	18/05/21
F	DF2 - TRANSPOWER AMENDMENTS	DSW	LOHA	15/06/21
G	CONSENT ISSUE	DFL	LOHA	BSS 28/07/21
No	Revision	Note:	* indicates signatures on original issue of drawing or last revision of drawing	
Drawn	Checked	Approved	Date	



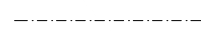

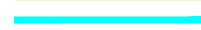











**RiverLink**  
 Isthmus. Tonkin+Taylor GHD Holmes

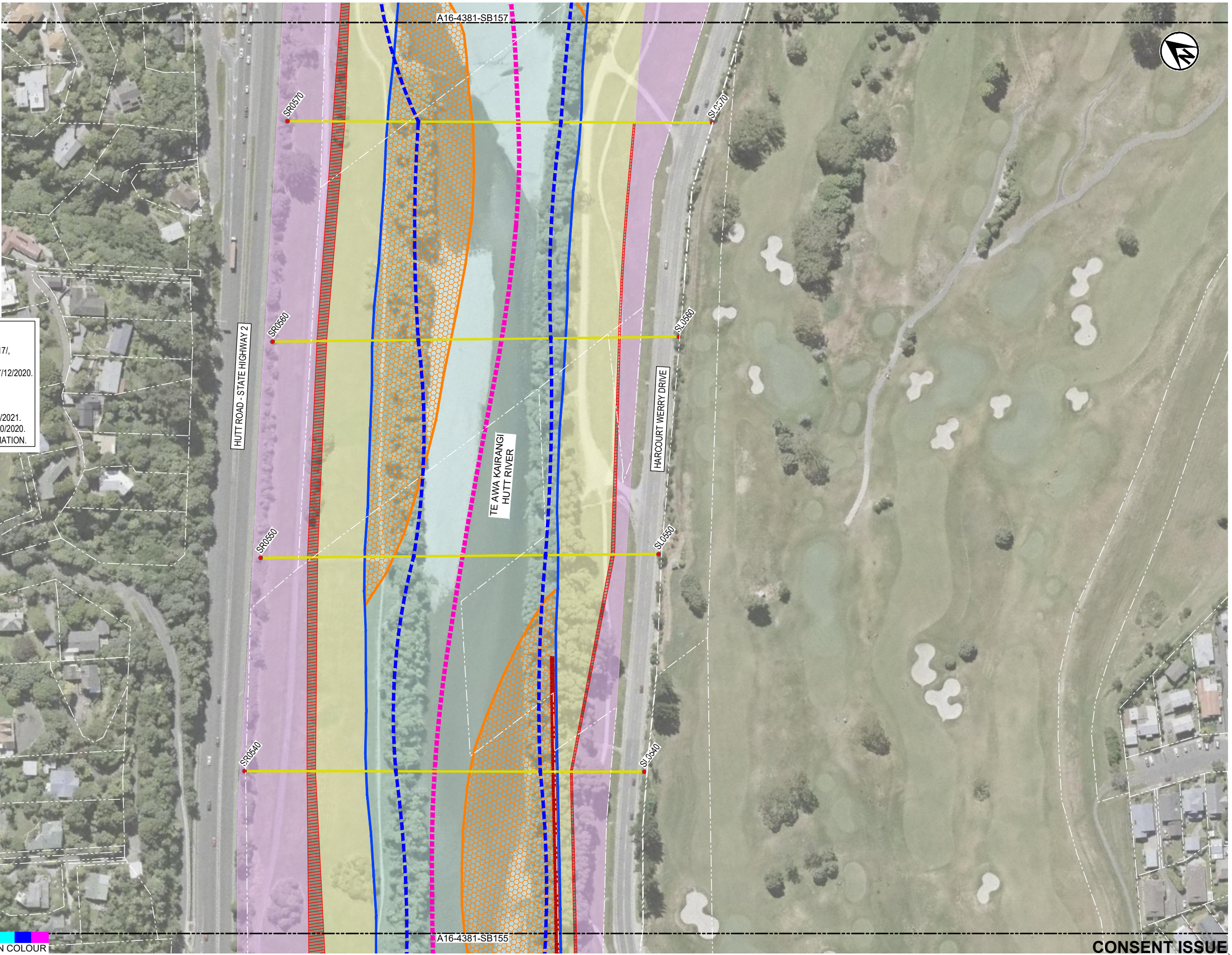
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Drawn	BRMA	Designed	TXH
Drafting Check	RBS	Design Check	LOHA
Approved	BRUCE SYMMANS		
Date	28/07/21		
Scale	1:1000		

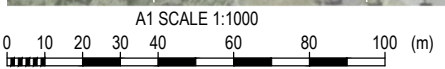
Client	<b>RIVERLINK</b>
Project	<b>RIVERLINK</b>
Title	<b>STOPBANK LAYOUT PLAN AND RIVERWORKS SHEET 5 OF 8</b>
Original Size	A1
Drawing No:	<b>A16-4381-SB155</b>
Rev:	<b>G</b>

**LEGEND**

-  PROPOSED STOPBANK CENTRELINE
-  PROPOSED TOP OF BANK
-  PROPOSED BOTTOM OF BANK
-  PROPERTY BOUNDARIES
-  PROPOSED STRUCTURAL RETAINING WALL
-  GWRC RIVER CROSS SECTION BENCHMARKS
-  GWRC RIVER CROSS SECTION ALIGNMENTS
-  PROPOSED RIVER BED BOUNDARY
-  PROPOSED ROCK RIPRAP
-  ACTIVE CHANNEL
-  PROPOSED LOWER BERM
-  PROPOSED BATTER
-  PROPOSED UPPER BERM
-  GRAVEL BEACHES
-  LOW FLOW MEANDER LINE
-  EXISTING RIVER BED BOUNDARY



- NOTES:**
1. AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE  
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  2. RIVER CROSS SECTIONS REFER DRAWINGS SB400 TO SB433.
  3. LEFTBANK CROSS SECTIONS REFER DRAWINGS SB500 TO SB506.
  4. RIGHT BANK CROSS SECTIONS REFER DRAWINGS SB600 TO SB602.
  5. MELLING INTERCHANGE DESIGN SHOWN AS PER GHD DESIGN 09/03/2021.
  6. PEDESTRIAN BRIDGE DESIGN SHOWN AS PER HOLMES DESIGN 23/10/2020.
  6. EXISTING RIVER BED HAS BEEN INTERPRETED FROM LIDAR INFORMATION.



ORIGINAL IN COLOUR

**CONSENT ISSUE**

B	DESIGN FREEZE 2 - DRAFT	DSW	LOHA	12/03/21		
C	DESIGN FREEZE 2 - MELLING UPDATE	RHTA	LOHA	09/04/21		
D	DESIGN FREEZE 2 - RESOURCE CONSENT	IARA	LOHA	07/05/21		
E	DF2 - RESOURCE CONSENT AMENDMENTS	RHTA	LOHA	18/05/21		
F	CONSENT ISSUE	DFL	LOHA	BSS 28/07/21		
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date

**RiverLink**

**Isthmus.** **Tonkin+Taylor** **GHD** **Holmes**



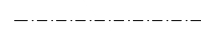

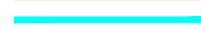











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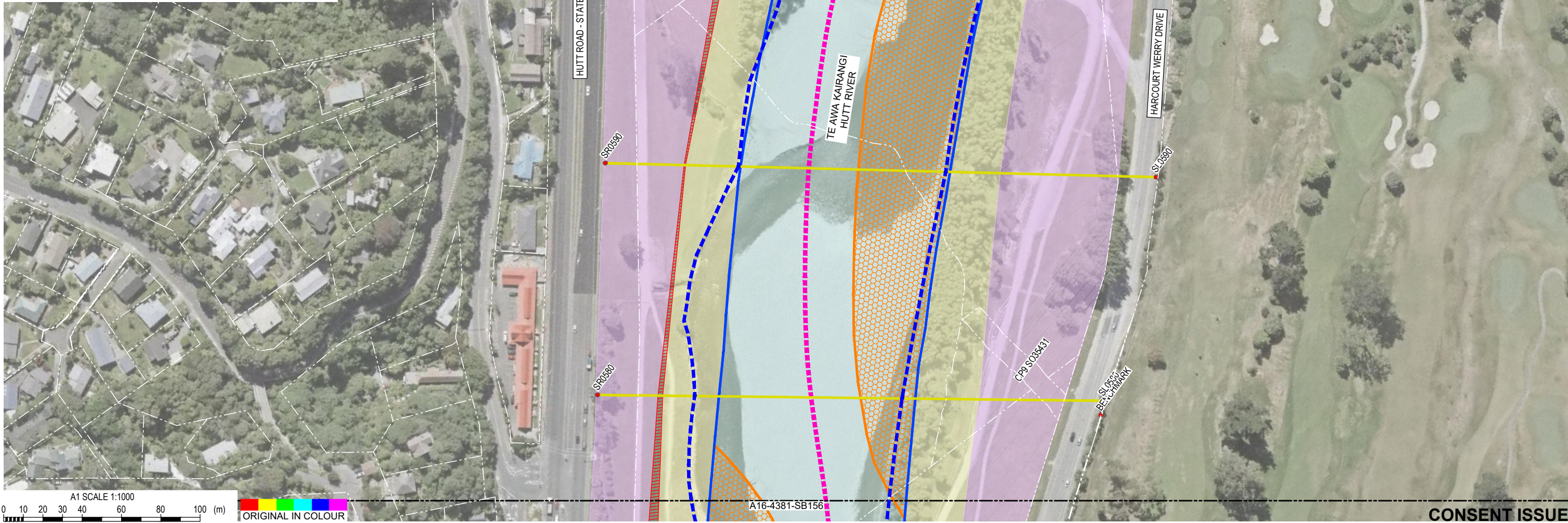
Drawn	BRMA	Designed	TXH
Drafting Check	RBS	Design Check	LOHA
Approved	BRUCE SYMMANS		
Date	28/07/21		
Scale	1:1000		

Client	<b>RIVERLINK</b>		
Project	<b>RIVERLINK</b>		
Title	<b>STOPBANK LAYOUT PLAN AND RIVERWORKS SHEET 6 OF 8</b>		
Original Size	<b>A1</b>	Drawing No:	<b>A16-4381-SB156</b>
		Rev:	<b>F</b>

**LEGEND**

-  PROPOSED STOPBANK CENTRELINE
-  PROPOSED TOP OF BANK
-  PROPOSED BOTTOM OF BANK
-  PROPERTY BOUNDARIES
-  PROPOSED STRUCTURAL RETAINING WALL
-  GWRC RIVER CROSS SECTION BENCHMARKS
-  GWRC RIVER CROSS SECTION ALIGNMENTS
-  PROPOSED RIVER BED BOUNDARY
-  PROPOSED ROCK RIPRAP
-  ACTIVE CHANNEL
-  PROPOSED LOWER BERM
-  PROPOSED BATTER
-  PROPOSED UPPER BERM
-  GRAVEL BEACHES
-  LOW FLOW MEANDER LINE
-  EXISTING RIVER BED BOUNDARY

- NOTES:**
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  3. LEFTBANK CROSS SECTIONS REFER DRAWINGS SB500 TO SB506.
  4. RIGHT BANK CROSS SECTIONS REFER DRAWINGS SB600 TO SB602.
  5. MELLING INTERCHANGE DESIGN SHOWN AS PER GHD DESIGN 09/03/2021.
  6. PEDESTRIAN BRIDGE DESIGN SHOWN AS PER HOLMES DESIGN 23/10/2020.
  6. EXISTING RIVER BED HAS BEEN INTERPRETED FROM LIDAR INFORMATION.



**CONSENT ISSUE**

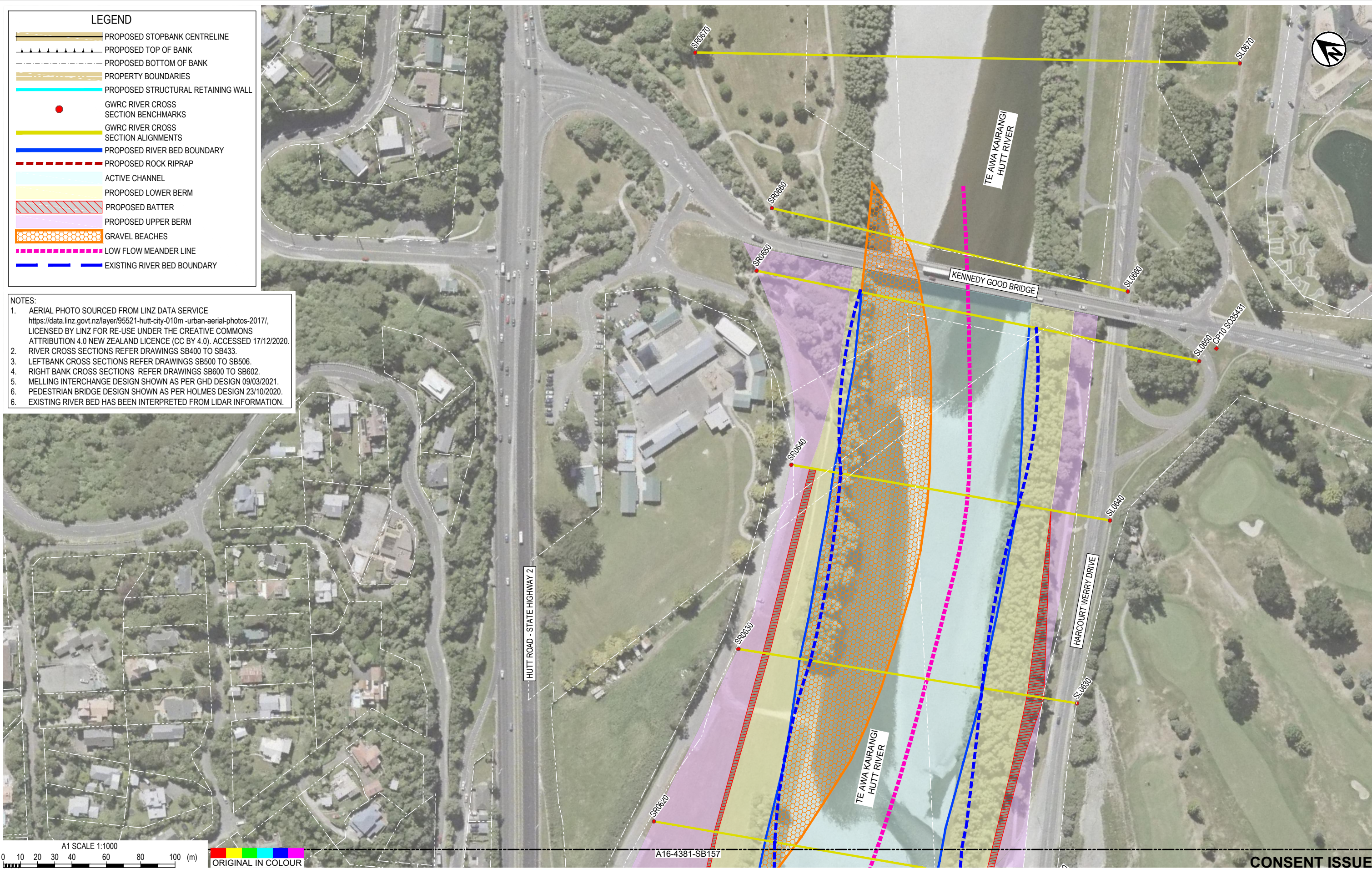
B	DESIGN FREEZE 2 - DRAFT	DSW	LOHA	12/03/21		
C	DESIGN FREEZE 2 - MELLING UPDATE	RHTA	LOHA	09/04/21		
D	DESIGN FREEZE 2 - RESOURCE CONSENT	IARA	LOHA	07/05/21		
E	DF2 - RESOURCE CONSENT AMENDMENTS	RHTA	LOHA	18/05/21		
F	CONSENT ISSUE	DFL	LOHA	BSS 28/07/21		
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date

**RiverLink**  
 Isthmus. Tonkin+Taylor GHD Holmes

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Drawn	BRMA	Designed	TXH
Drafting Check	RBS	Design Check	LOHA
Approved	BRUCE SYMMANS		
Date	28/07/21		
Scale	1:1000		

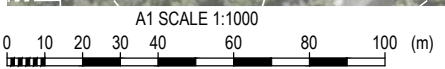
Client	<b>RIVERLINK</b>		
Project	<b>RIVERLINK</b>		
Title	<b>STOPBANK LAYOUT PLAN AND RIVERWORKS SHEET 7 OF 8</b>		
Original Size	A1	Drawing No:	<b>A16-4381-SB157</b>
		Rev:	<b>F</b>



**LEGEND**

- PROPOSED STOPBANK CENTRELINE
- PROPOSED TOP OF BANK
- PROPOSED BOTTOM OF BANK
- PROPERTY BOUNDARIES
- PROPOSED STRUCTURAL RETAINING WALL
- GWRC RIVER CROSS SECTION BENCHMARKS
- GWRC RIVER CROSS SECTION ALIGNMENTS
- PROPOSED RIVER BED BOUNDARY
- PROPOSED ROCK RIPRAP
- ACTIVE CHANNEL
- PROPOSED LOWER BERM
- PROPOSED BATTER
- PROPOSED UPPER BERM
- GRAVEL BEACHES
- LOW FLOW MEANDER LINE
- EXISTING RIVER BED BOUNDARY

- NOTES:**
1. AERIAL PHOTO SOURCED FROM LINZ DATA SERVICE  
<https://data.linz.govt.nz/layer/95521-hutt-city-010m-urban-aerial-photos-2017/>,  
 LICENSED BY LINZ FOR RE-USE UNDER THE CREATIVE COMMONS  
 ATTRIBUTION 4.0 NEW ZEALAND LICENCE (CC BY 4.0). ACCESSED 17/12/2020.
  2. RIVER CROSS SECTIONS REFER DRAWINGS SB400 TO SB433.
  3. LEFTBANK CROSS SECTIONS REFER DRAWINGS SB500 TO SB506.
  4. RIGHT BANK CROSS SECTIONS REFER DRAWINGS SB600 TO SB602.
  5. MELLING INTERCHANGE DESIGN SHOWN AS PER GHD DESIGN 09/03/2021.
  6. PEDESTRIAN BRIDGE DESIGN SHOWN AS PER HOLMES DESIGN 23/10/2020.
  6. EXISTING RIVER BED HAS BEEN INTERPRETED FROM LIDAR INFORMATION.



ORIGINAL IN COLOUR

A16-4381-SB157

**CONSENT ISSUE**

B	DESIGN FREEZE 2 - DRAFT	DSW	LOHA	12/03/21		
C	DESIGN FREEZE 2 - MELLING UPDATE	RHTA	LOHA	09/04/21		
D	DESIGN FREEZE 2 - RESOURCE CONSENT	IARA	LOHA	07/05/21		
E	DF2 - RESOURCE CONSENT AMENDMENTS	RHTA	LOHA	18/05/21		
F	CONSENT ISSUE	DFL	LOHA	BSS 28/07/21		
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date

**RiverLink**

**Isthmus.** **Tonkin+Taylor** **GHD** **Holmes**

**DO NOT SCALE**

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Drawn	BRMA	Designed	TXH
Drafting Check	RBS	Design Check	LOHA
Approved	BRUCE SYMMANS		
Date	28/07/21		
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Client	<b>RIVERLINK</b>
Project	<b>RIVERLINK</b>
Title	<b>STOPBANK LAYOUT PLAN AND RIVERWORKS</b>
	<b>SHEET 8 OF 8</b>
Original Size	A1
Drawing No:	<b>A16-4381-SB158</b>
Rev:	<b>F</b>