

LEGEND :

- | | | | |
|---------------------------|-----------------------------------|-------------------------|-----------------------|
| CONSENT AREA | GWRC ASSETS : Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Sewer |
| Stream (Approx. location) | Hydrology Tower | Cycle Track | Groyne Boulder |
| GWRC River Cross-sections | SS Manhole | Debris Arrestor | Timber Retaining Wall |
| Inanga Spawning | SW Manhole | Debris Fence | Weir |
| NRWQN | Gates | Groyne Timber | HUTT RIVER TRAIL |
| GWRC River Survey Marks | | | |
| RSoE Sites (2014) | | | |



NOTE : REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION

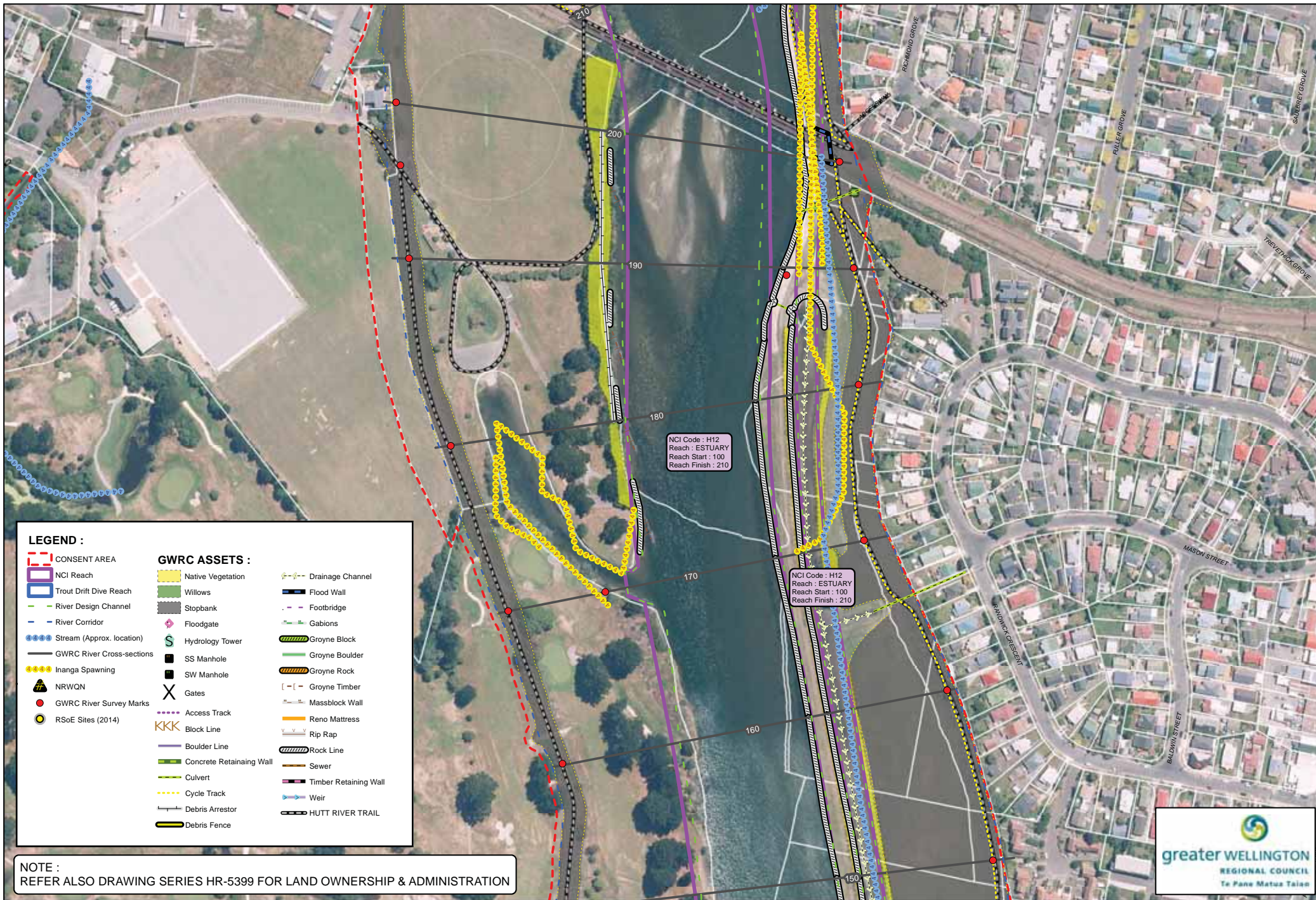
0 25 50 100 Meters
A3 Scale : 1:2,500

HUTT RIVER - CONSENT AREA - Map 1a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road Including Te Mome Stream at Hutt Mouth)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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DWG No. **HR-5407 / 1**



0 25 50 100 Meters
A3 Scale : 1:2,500

HUTT RIVER - CONSENT AREA - Map 2a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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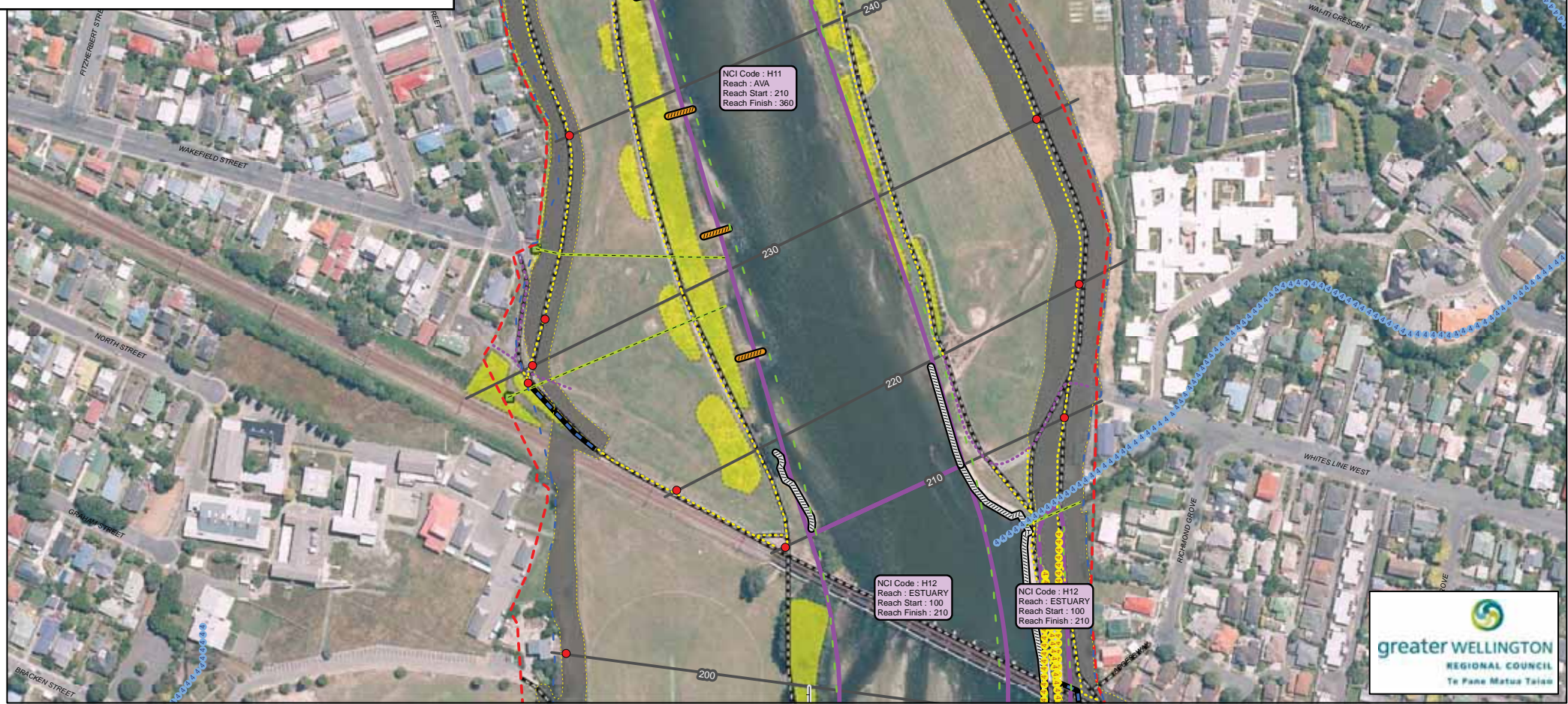
DWG No. **HR-5407 / 2**



LEGEND :

- | | | |
|---------------------------|-------------------------|-----------------------|
| CONSENT AREA | GWRC ASSETS : | Drainage Channel |
| NCI Reach | Native Vegetation | Flood Wall |
| Trout Drift Dive Reach | Willows | Footbridge |
| River Design Channel | Stopbank | Gabions |
| River Corridor | Floodgate | Groyne Block |
| Stream (Approx. location) | Hydrology Tower | Groyne Boulder |
| GWRC River Cross-sections | SS Manhole | Groyne Rock |
| Inanga Spawning | SW Manhole | Groyne Timber |
| NRWQ | Gates | Massblock Wall |
| GWRC River Survey Marks | Access Track | Reno Mattress |
| RSoE Sites (2014) | Block Line | Rip Rap |
| | Boulder Line | Rock Line |
| | Concrete Retaining Wall | Sewer |
| | Culvert | Timber Retaining Wall |
| | Cycle Track | Weir |
| | Debris Restorer | HUTT RIVER TRAIL |
| | Debris Fence | |

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



0 25 50 100 Meters
A3 Scale : 1:2,500

HUTT RIVER - CONSENT AREA - Map 3a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

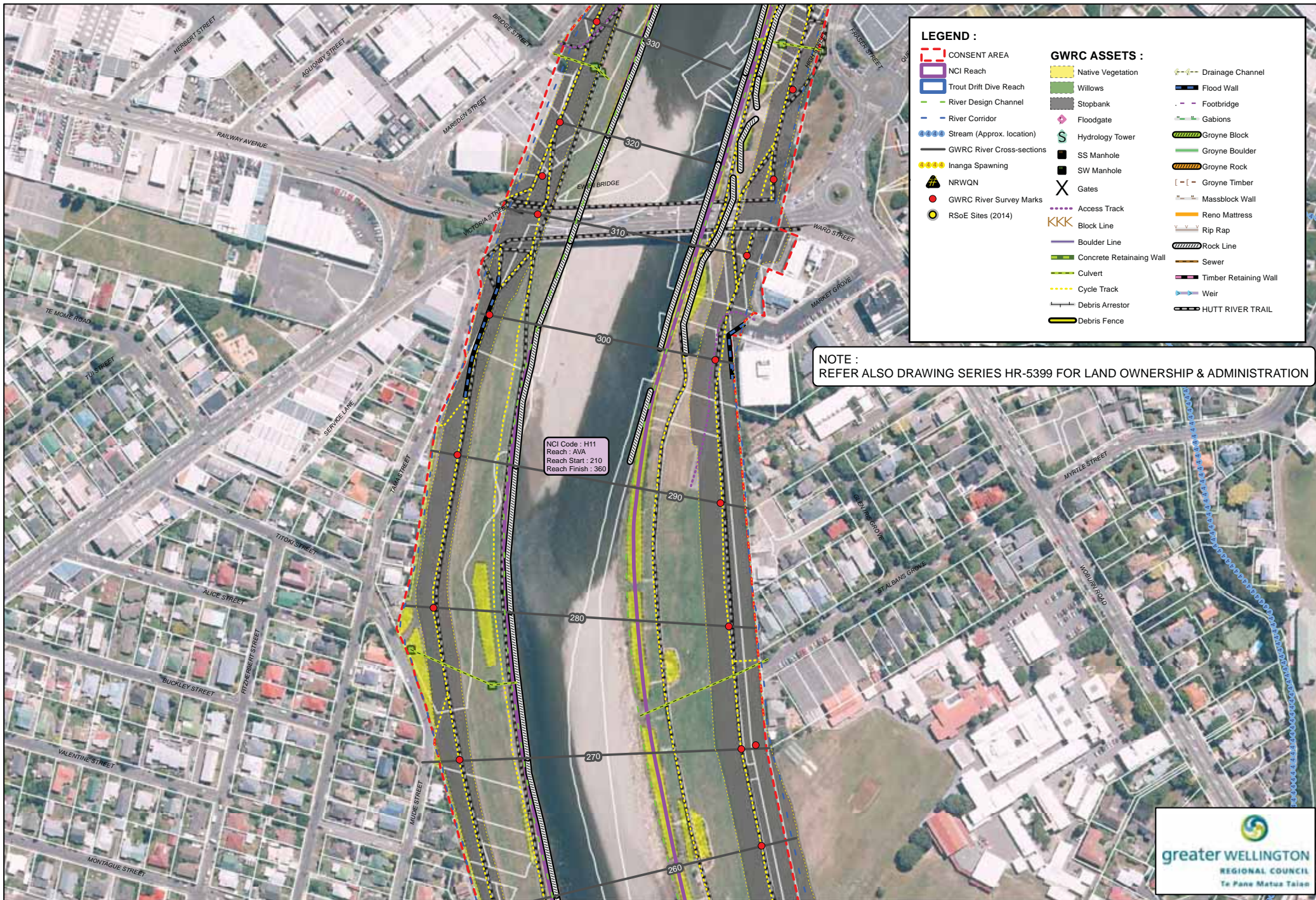
Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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LEGEND :

CONSENT AREA	Native Vegetation	Drainage Channel
NCI Reach	Willows	Flood Wall
Trout Drift Dive Reach	Stopbank	Footbridge
River Design Channel	Floodgate	Gabions
River Corridor	Hydrology Tower	Groyne Block
Stream (Approx. location)	SS Manhole	Groyne Boulder
GWRC River Cross-sections	SW Manhole	Groyne Rock
Inanga Spawning	Gates	Groyne Timber
NRWQN	Access Track	Massblock Wall
GWRC River Survey Marks	Block Line	Reno Mattress
RSoE Sites (2014)	Boulder Line	Rip Rap
	Concrete Retaining Wall	Rock Line
	Culvert	Sewer
	Cycle Track	Timber Retaining Wall
	Debris Arrestor	Weir
	Debris Fence	HUTT RIVER TRAIL

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION

NCI Code : H11
Reach : AVA
Reach Start : 210
Reach Finish : 360



0 25 50 100 Meters
A3 Scale 1:2,500

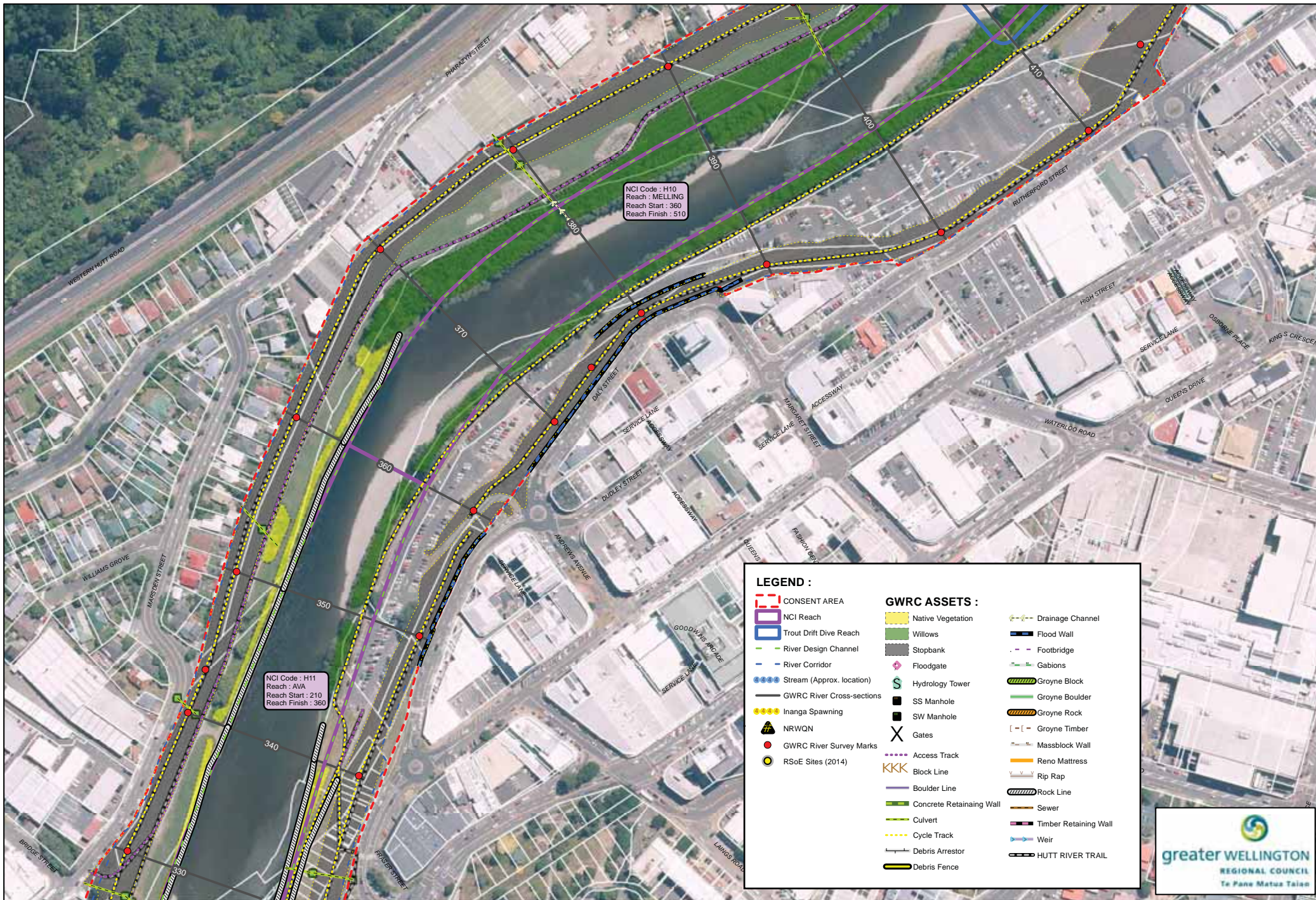
HUTT RIVER - CONSENT AREA - Map 4a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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0 25 50 100 Meters
A3 Scale : 1:2,500

HUTT RIVER - CONSENT AREA - Map 5a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

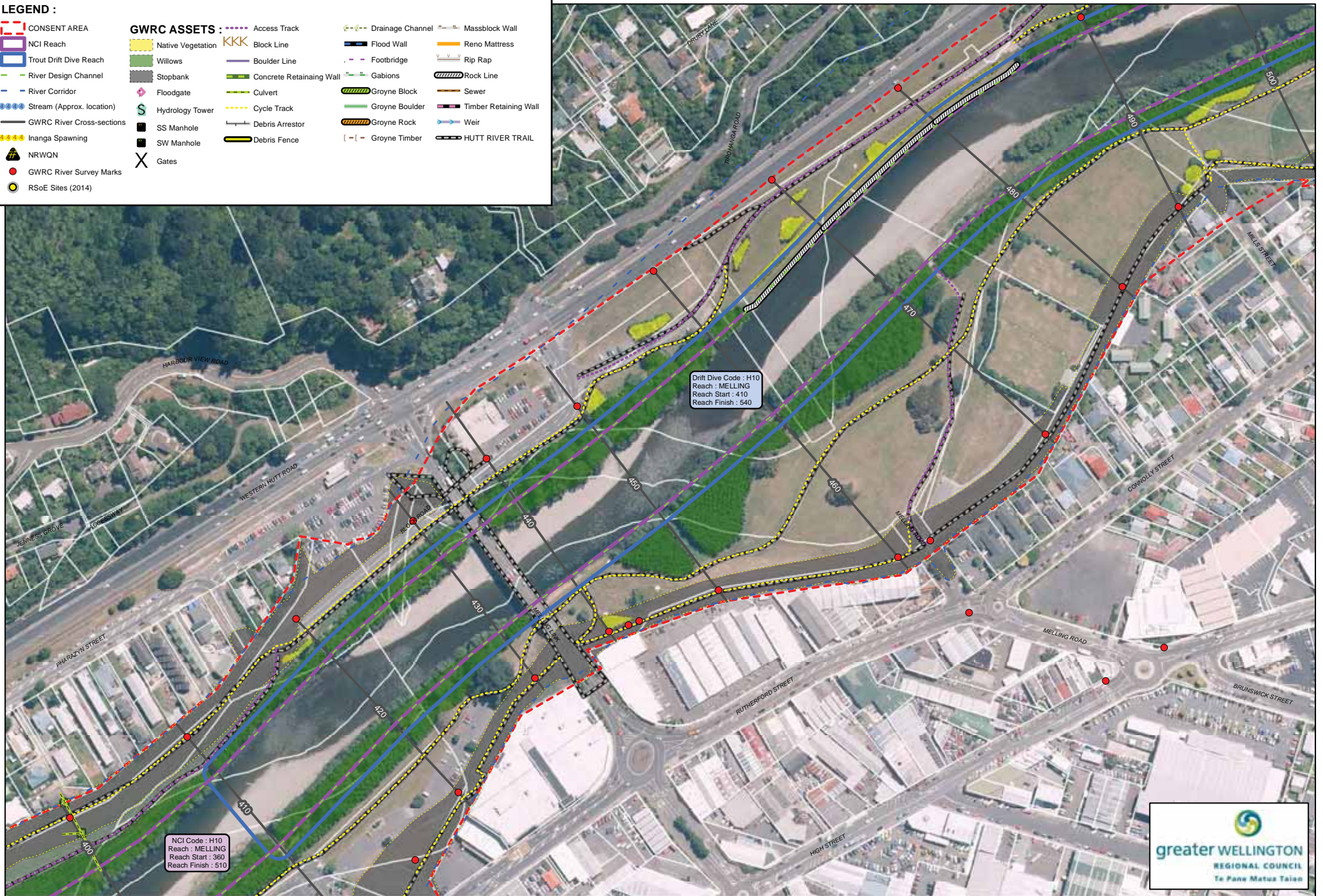
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DWG No. **HR-5407 / 5**



LEGEND :

- | | | | |
|---------------------------|----------------------------|-------------------------|-----------------------|
| CONSENT AREA | GWRC ASSETS : Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Sewer |
| Stream (Approx. location) | Hydrology Tower | Cycle Track | Groyne Boulder |
| GWRC River Cross-sections | SS Manhole | Groyne Rock | Timber Retaining Wall |
| Inanga Spawning | SW Manhole | Debris Arrestor | Weir |
| NRWQN | Gates | Debris Fence | HUTT RIVER TRAIL |
| GWRC River Survey Marks | | Groyne Timber | |
| RSoE Sites (2014) | | | |



0 25 50 100 Meters
A3 Scale : 1:2,500

HUTT RIVER - CONSENT AREA - Map 6a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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NCI Code : H9
Reach : AVALON
Reach Start : 510
Reach Finish : 850

LEGEND :

CONSENT AREA	GWRC ASSETS :	Access Track	Drainage Channel	Massblock Wall
NCI Reach	Native Vegetation	Block Line	Flood Wall	Reno Mattress
Trout Drift Dive Reach	Willows	Boulder Line	Footbridge	Rip Rap
River Design Channel	Stopbank	Concrete Retaining Wall	Gabions	Rock Line
River Corridor	Floodgate	Culvert	Groyne Block	Sewer
Stream (Approx. location)	Hydrology Tower	Cycle Track	Groyne Boulder	Timber Retaining Wall
GWRC River Cross-sections	SS Manhole	Debris Arrestor	Groyne Rock	Weir
Inanga Spawning	SW Manhole	Debris Fence	Groyne Timber	HUTU RIVER TRAIL
NRWQ	Gates			
GWRC River Survey Marks				
RSoE Sites (2014)				

0 25 50 100 Meters
A3 Scale : 1:2,500

HUTU RIVER - CONSENT AREA - Map 8a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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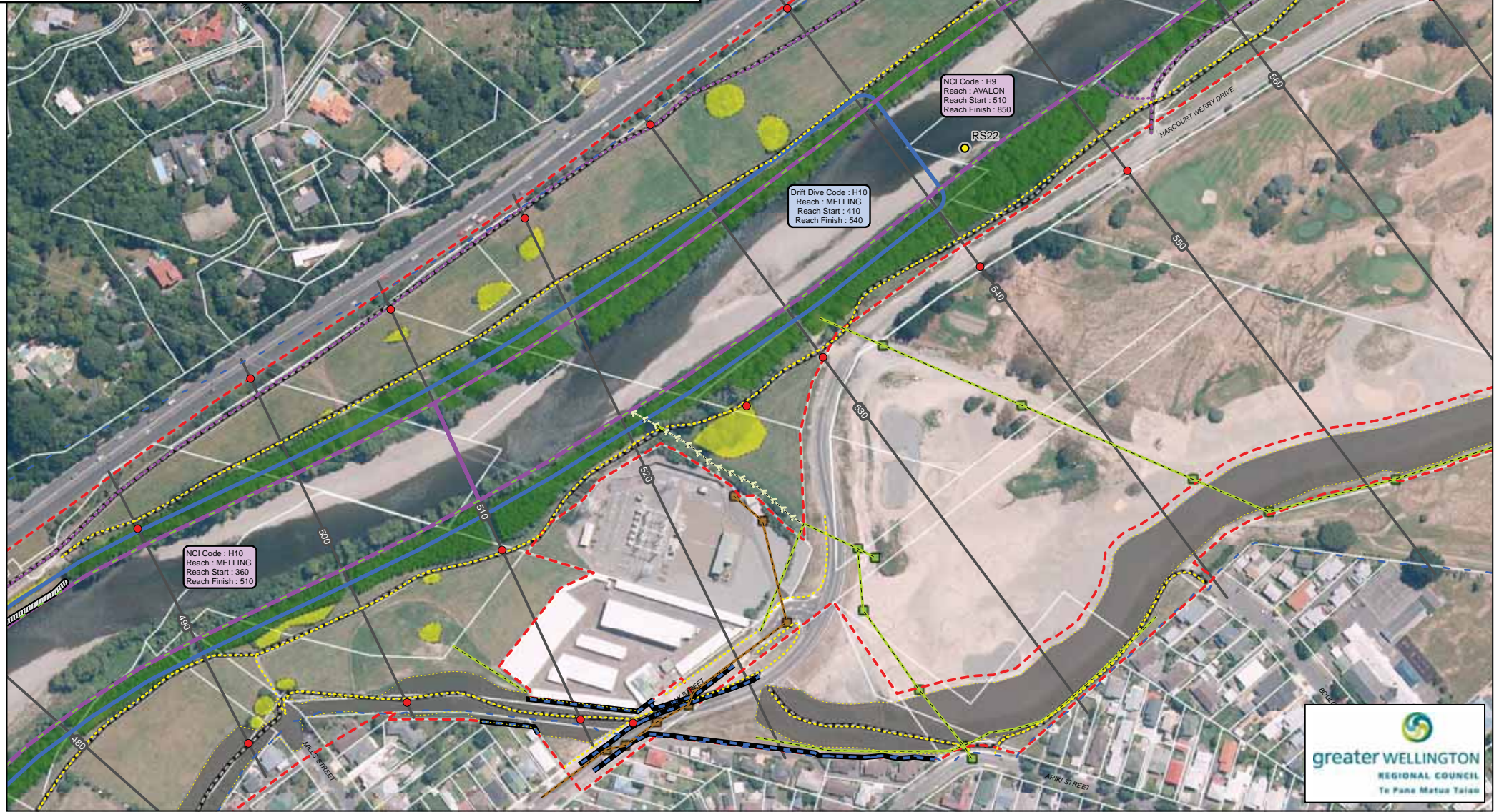


DWG No. **HR-5407 / 8**

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File ref : Hutu Application Area March 2014 - Sheet 8a.mxd

LEGEND :

CONSENT AREA	Access Track	Drainage Channel	Massblock Wall
NCI Reach	Native Vegetation	Flood Wall	Reno Mattress
Trout Drift Dive Reach	Willows	Block Line	Rip Rap
GWRC River Cross-sections	Boulder Line	Footbridge	Rock Line
River Buffer Zone	Concrete Retaining Wall	Gabions	Sewer
River Design Channel	Stopbank	Groyne Block	Timber Retaining Wall
Stream (Approx. location)	Floodgate	Cycle Track	Weir
Inanga Spawning	Hydrology Tower	Debris Arrestor	
GWRC River Survey Marks	SS Manhole	Debris Fence	
RSoE Sites (2014)	SW Manhole	Groyne Rock	
	Gates	Groyne Timber	



0 25 50 100 Meters
A3 Scale 1:2,500

HUTU RIVER - CONSENT AREA - Map 7a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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NCI Code: H9
Reach: AVALON
Reach Start: 510
Reach Finish: 850

LEGEND :

CONSENT AREA	Access Track	Drainage Channel	Massblock Wall
NCI Reach	Native Vegetation	Flood Wall	Reno Mattress
Trout Drift Dive Reach	Willows	Footbridge	Rip Rap
River Design Channel	Stopbank	Gabions	Rock Line
River Corridor	Floodgate	Groyne Block	Sewer
Stream (Approx. location)	Hydrology Tower	Groyne Boulder	Timber Retaining Wall
GWRC River Cross-sections	SS Manhole	Groyne Rock	Weir
Inanga Spawning	SW Manhole	Debris Fence	HUTT RIVER TRAIL
NRWQN	Gates	Groyne Timber	
GWRC River Survey Marks			
RSoE Sites (2014)			

0 25 50 100 Meters
A3 Scale 1:2,500

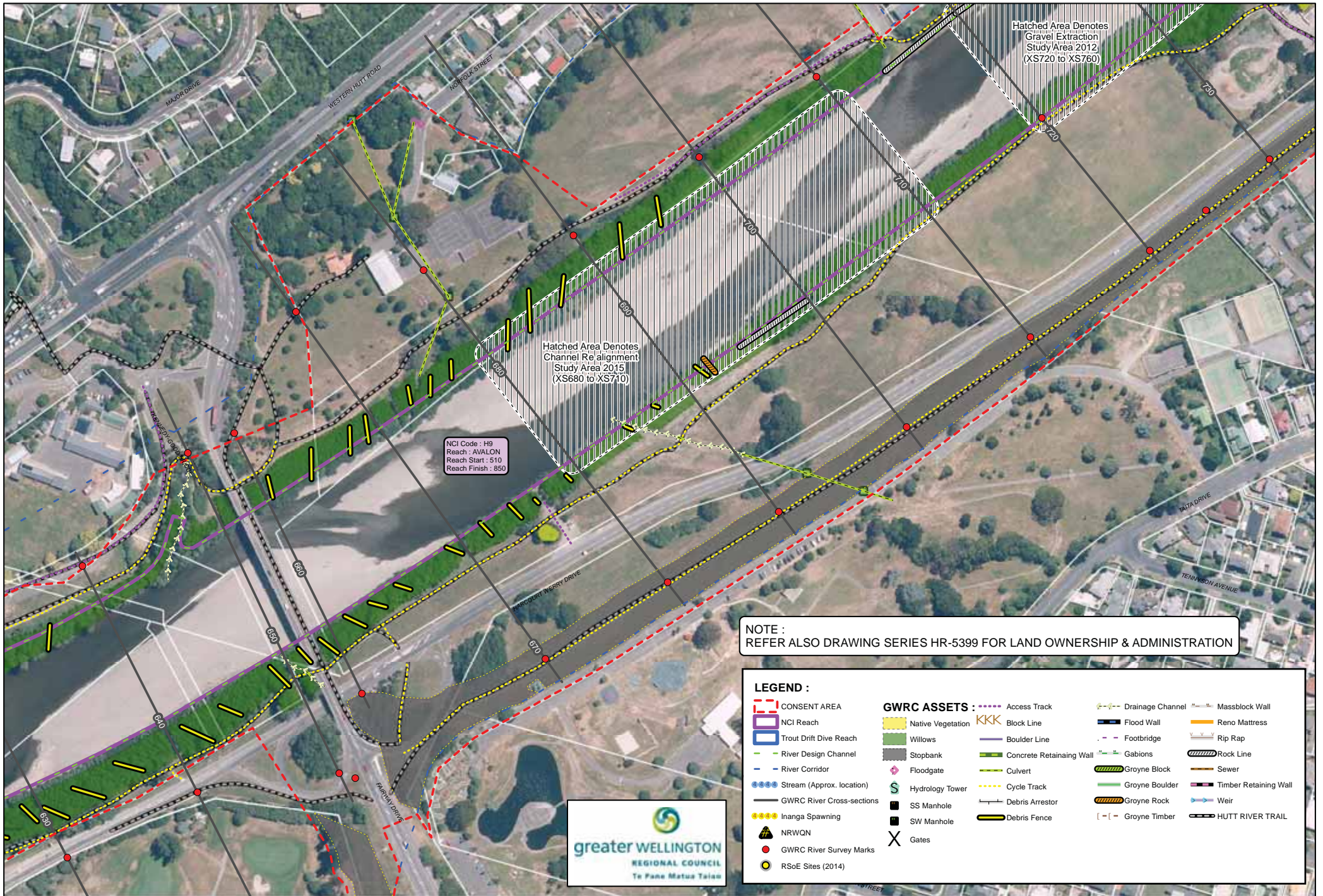
HUTT RIVER - CONSENT AREA - Map 9a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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DWG No. **HR-5407 / 9**

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Hatched Area Denotes
Gravel Extraction
Study Area 2012
(XS720 to XS760)

Hatched Area Denotes
Channel Re-alignment
Study Area 2015
(XS680 to XS710)

NCI Code : H9
Reach : AVALON
Reach Start : 510
Reach Finish : 850

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION

LEGEND :

[Red dashed line] CONSENT AREA	[Green hatched] Native Vegetation	[Purple dashed] Access Track	[Green dashed] Drainage Channel	[Black dashed] Massblock Wall
[Purple dashed] NCI Reach	[Green solid] Willows	[Blue dashed] Block Line	[Black solid] Flood Wall	[Yellow dashed] Reno Mattress
[Blue dashed] Trout Drift Dive Reach	[Grey solid] Stopbank	[Green dashed] Boulder Line	[Black dashed] Footbridge	[Black dashed] Rip Rap
[Green dashed] River Design Channel	[Pink solid] Floodgate	[Green dashed] Concrete Retaining Wall	[Black dashed] Gabions	[Black dashed] Rock Line
[Blue dashed] River Corridor	[Green circle with blue dots] Stream (Approx. location)	[Green dashed] Culvert	[Black dashed] Groyne Block	[Black dashed] Sewer
[Blue dashed] Stream	[Green circle with blue dots] Inanga Spawning	[Green dashed] Cycle Track	[Green dashed] Groyne Boulder	[Black dashed] Timber Retaining Wall
[Black dashed] GWRC River Cross-sections	[Black square] NRWQN	[Black dashed] SS Manhole	[Black dashed] Groyne Rock	[Black dashed] Weir
[Black dashed] GWRC River Survey Marks	[Black square] GWRC River Survey Marks	[Black square] SW Manhole	[Black dashed] Debris Fence	[Black dashed] HUTT RIVER TRAIL
[Black circle] RSoE Sites (2014)	[Black circle] RSoE Sites (2014)	[Black X] Gates		

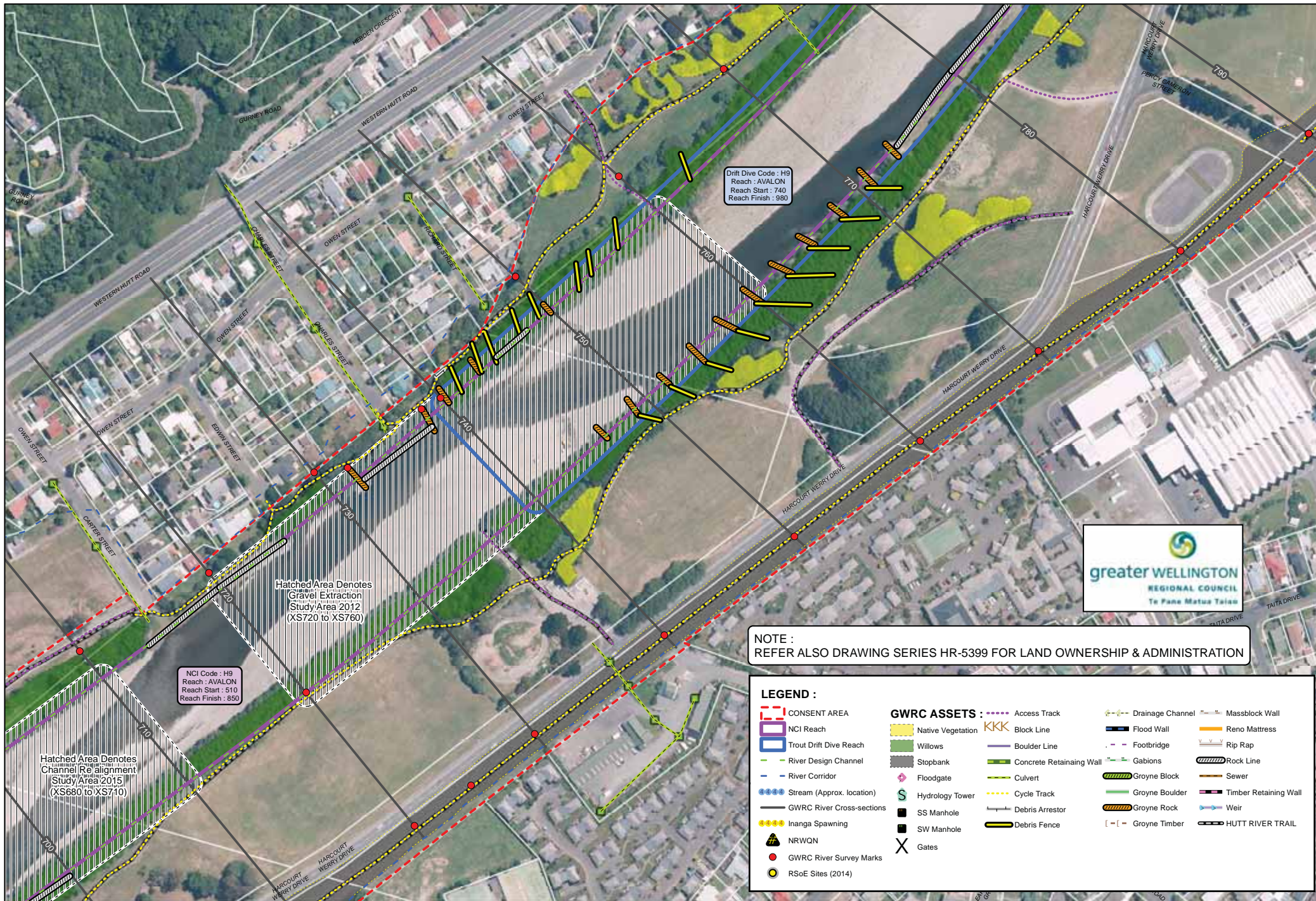


0 25 50 100 Meters
A3 Scale 1:2,500

HUTT RIVER - CONSENT AREA - Map 10a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

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Aerial Photo : GWRC 2013
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Drift Dive Code : H9
 Reach : AVALON
 Reach Start : 740
 Reach Finish : 890

NCI Code : H9
 Reach : AVALON
 Reach Start : 510
 Reach Finish : 850

Hatched Area Denotes
 Gravel Extraction
 Study Area 2012
 (XS720 to XS760)

Hatched Area Denotes
 Channel Re-alignment
 Study Area 2015
 (XS680 to XS710)

NOTE :
 REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION

LEGEND :	
CONSENT AREA	Access Track
NCI Reach	Native Vegetation
Trout Drift Dive Reach	Willows
River Design Channel	Stopbank
River Corridor	Floodgate
Stream (Approx. location)	Hydrology Tower
GWRC River Cross-sections	SS Manhole
Inanga Spawning	SW Manhole
NRWQ	Gates
GWRC River Survey Marks	Debris Arrestor
RSoE Sites (2014)	Debris Fence
Block Line	Boulder Line
Concrete Retaining Wall	Culvert
Cycle Track	Groyne Block
Flood Wall	Groyne Boulder
Footbridge	Groyne Rock
Gabions	Groyne Timber
Massblock Wall	HUTT RIVER TRAIL
Reno Mattress	
Rip Rap	
Rock Line	
Sewer	
Timber Retaining Wall	
Weir	

0 25 50 100 Meters
 A3 Scale : 1:2,500

HUTU RIVER - CONSENT AREA - Map 11a
 GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
 Aerial Photo : GWRC 2013

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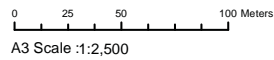
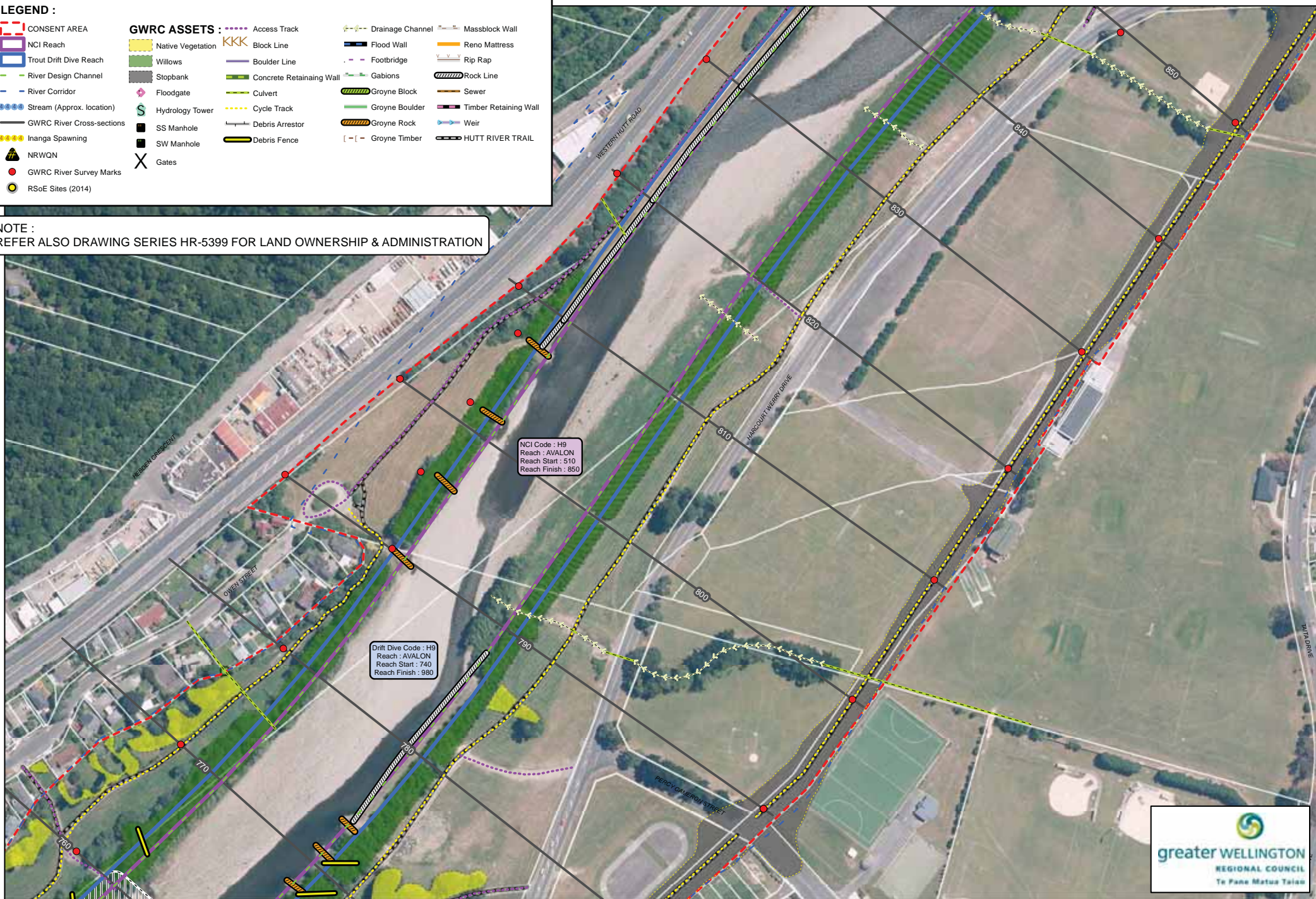
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LEGEND :

CONSENT AREA	GWRC ASSETS : Access Track	Drainage Channel	Massblock Wall
NCI Reach	Native Vegetation	Block Line	Reno Mattress
Trout Drift Dive Reach	Willows	Boulder Line	Rip Rap
River Design Channel	Stopbank	Concrete Retaining Wall	Rock Line
River Corridor	Floodgate	Culvert	Sewer
Stream (Approx. location)	Hydrology Tower	Cycle Track	Timber Retaining Wall
GWRC River Cross-sections	SS Manhole	Debris Arrestor	Weir
Inanga Spawning	SW Manhole	Debris Fence	HUTT RIVER TRAIL
NRWQ	Gates	Groyne Timber	
GWRC River Survey Marks			
RSoE Sites (2014)			

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



HUTT RIVER - CONSENT AREA - Map 12a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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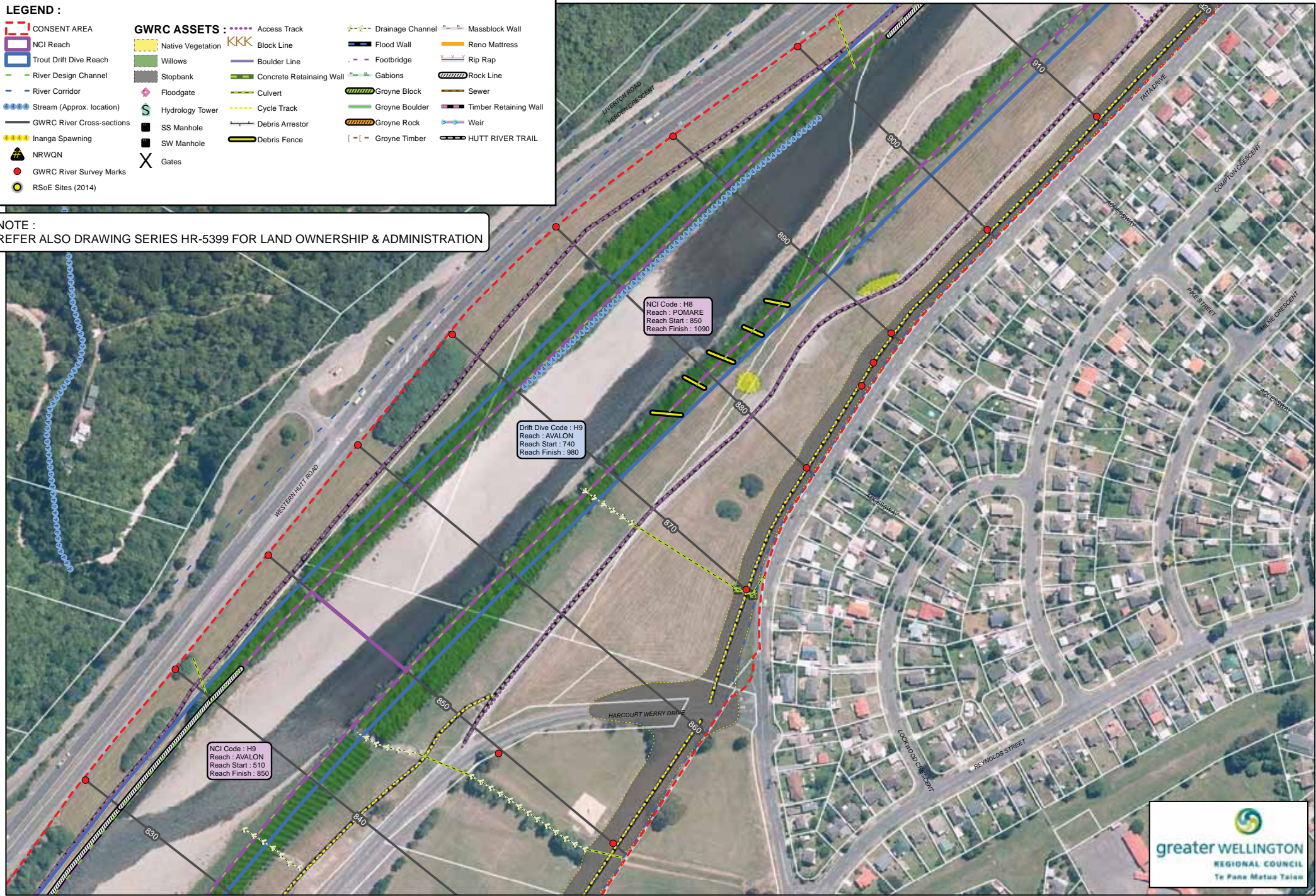
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File ref : Hutt Application Area March 2014 - Sheet 12a.mxd

LEGEND :	
	CONSENT AREA
	NCI Reach
	Trout Drift Dive Reach
	River Design Channel
	River Corridor
	Stream (Approx. location)
	GWRC River Cross-sections
	Inanga Spawning
	NRWQN
	GWRC River Survey Marks
	RSoE Sites (2014)
	Native Vegetation
	Willows
	Stopbank
	Floodgate
	Hydrology Tower
	SS Manhole
	SW Manhole
	Gates
	Access Track
	Block Line
	Boulder Line
	Concrete Retaining Wall
	Culvert
	Cycle Track
	Debris Arrestor
	Debris Fence
	Drainage Channel
	Flood Wall
	Footbridge
	Gabions
	Groyne Block
	Groyne Boulder
	Groyne Rock
	Groyne Timber
	Massblock Wall
	Reno Mattress
	Rip Rap
	Rock Line
	Sewer
	Timber Retaining Wall
	Weir
	HUTT RIVER TRAIL

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



0 25 50 100 Meters
A3 Scale :1:2,500

HUTU RIVER - CONSENT AREA - Map 13a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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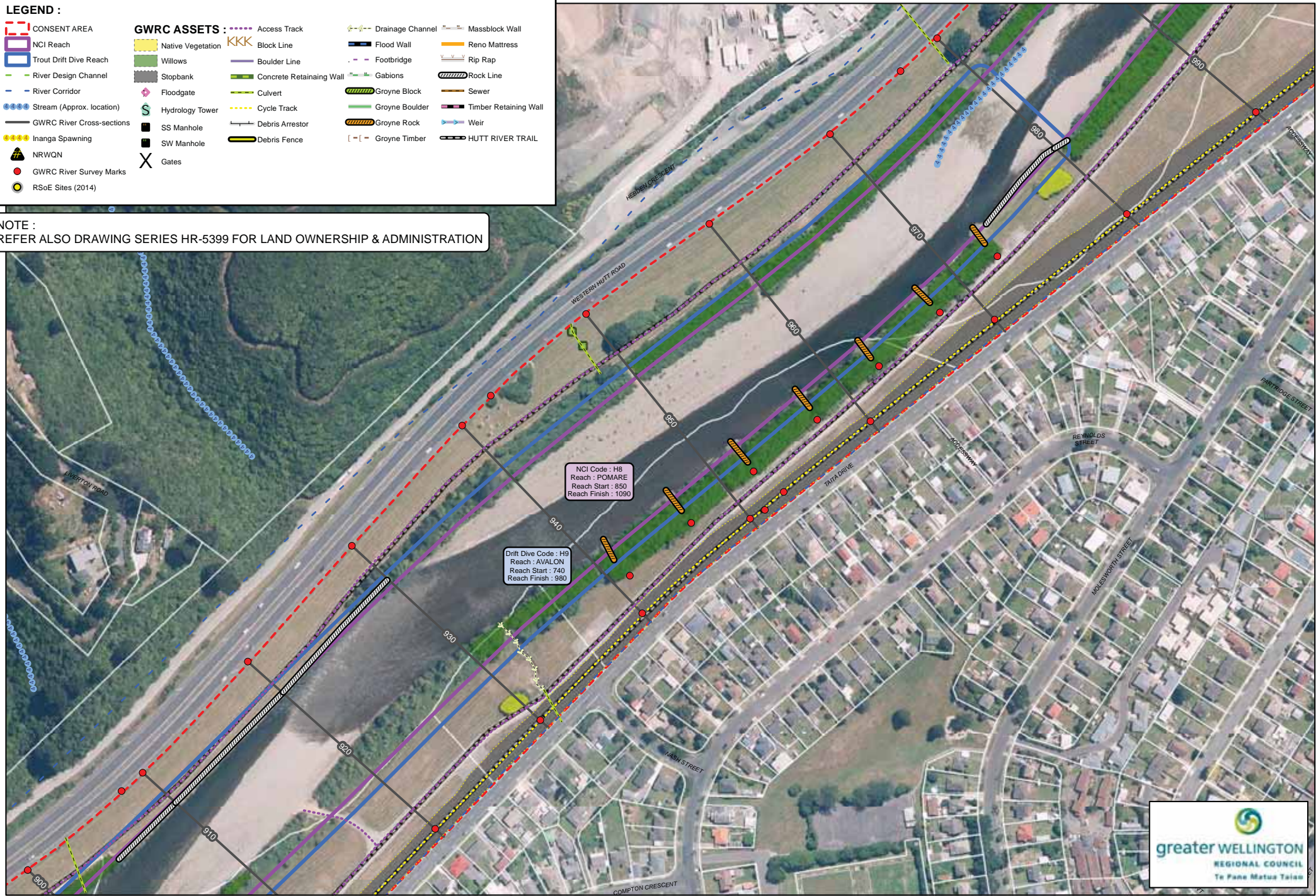
DWG No. **HR-5407 / 13**

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LEGEND :

CONSENT AREA	GWRC ASSETS :	Access Track	Drainage Channel	Massblock Wall
NCI Reach	Native Vegetation	Block Line	Flood Wall	Reno Mattress
Trout Drift Dive Reach	Willows	Boulder Line	Footbridge	Rip Rap
River Design Channel	Stopbank	Concrete Retaining Wall	Gabions	Rock Line
River Corridor	Floodgate	Culvert	Groyne Block	Sewer
Stream (Approx. location)	Hydrology Tower	Cycle Track	Groyne Boulder	Timber Retaining Wall
GWRC River Cross-sections	SS Manhole	Debris Arrestor	Groyne Rock	Weir
Inanga Spawning	SW Manhole	Debris Fence	Groyne Timber	HUTT RIVER TRAIL
NRWQN	Gates			
GWRC River Survey Marks				
RSoE Sites (2014)				

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



0 25 50 100 Meters
A3 Scale 1:2,500

HUTT RIVER - CONSENT AREA - Map 14a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

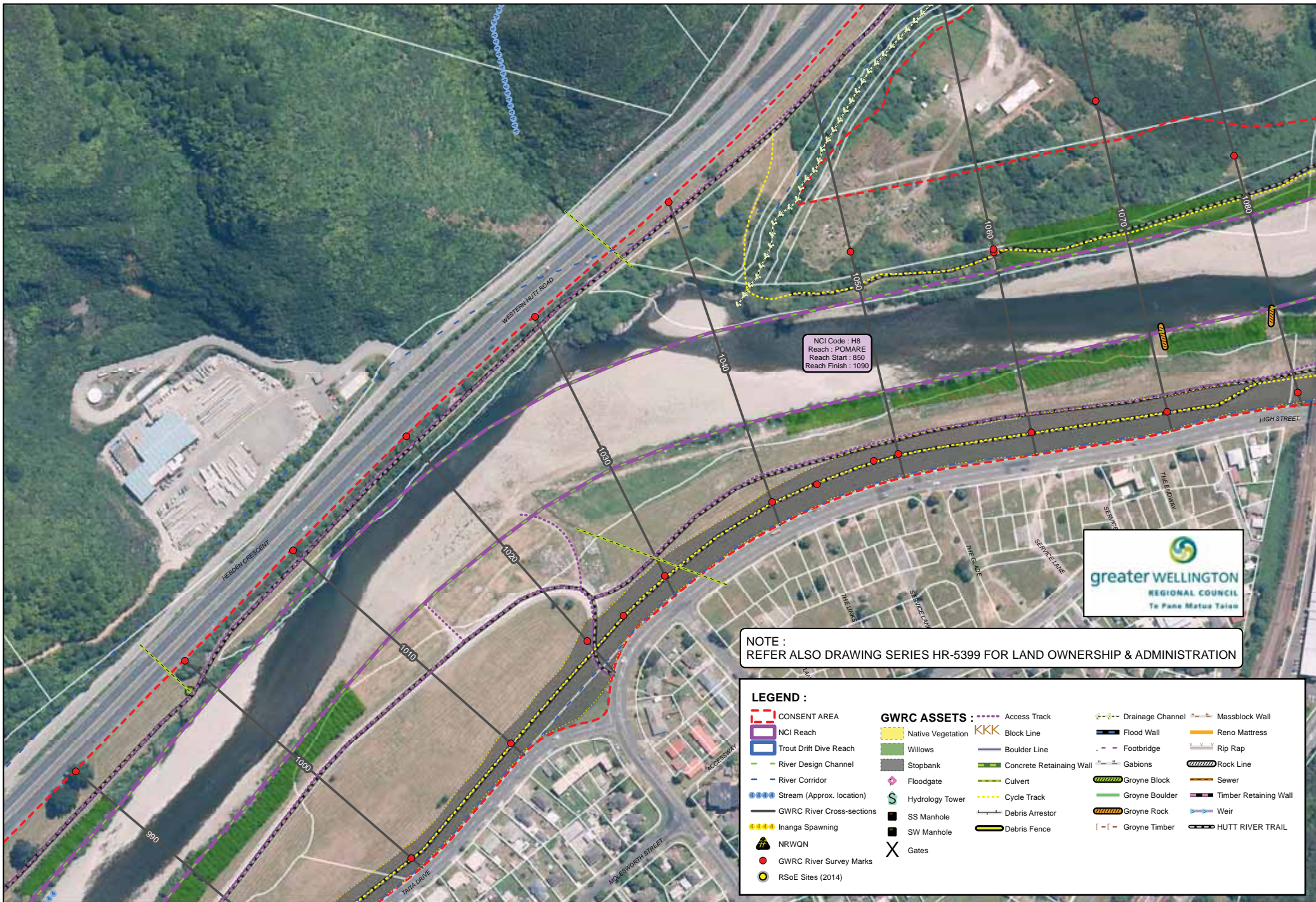
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File ref : Hutt Application Area March 2014 - Sheet 14a.mxd





NCI Code : H8
 Reach : POMARE
 Reach Start : 850
 Reach Finish : 1090



NOTE :
 REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION

LEGEND :	
[Red dashed line]	CONSENT AREA
[Purple dashed line]	NCI Reach
[Blue dashed line]	Trout Drift Dive Reach
[Green dashed line]	River Design Channel
[Blue dashed line]	River Corridor
[Blue dashed line]	Stream (Approx. location)
[Black dashed line]	GWRC River Cross-sections
[Yellow dashed line]	Inanga Spawning
[Black triangle]	NRWQN
[Red dot]	GWRC River Survey Marks
[Yellow dot]	RS&E Sites (2014)
[Green dashed line]	Native Vegetation
[Green dashed line]	Willows
[Black dashed line]	Stopbank
[Black diamond]	Floodgate
[S symbol]	Hydrology Tower
[Black square]	SS Manhole
[Black square]	SW Manhole
[X symbol]	Gates
[Purple dashed line]	Access Track
[Black dashed line]	Block Line
[Purple dashed line]	Boulder Line
[Green dashed line]	Concrete Retaining Wall
[Green dashed line]	Culvert
[Yellow dashed line]	Cycle Track
[Black dashed line]	Debris Arrestor
[Black dashed line]	Debris Fence
[Green dashed line]	Drainage Channel
[Black dashed line]	Flood Wall
[Purple dashed line]	Footbridge
[Green dashed line]	Gabions
[Green dashed line]	Groyne Block
[Green dashed line]	Groyne Boulder
[Green dashed line]	Groyne Rock
[Green dashed line]	Groyne Timber
[Black dashed line]	Massblock Wall
[Yellow dashed line]	Reno Mattress
[Black dashed line]	Rip Rap
[Black dashed line]	Rock Line
[Black dashed line]	Sewer
[Black dashed line]	Timber Retaining Wall
[Black dashed line]	Weir
[Black dashed line]	HUTU RIVER TRAIL

0 25 50 100 Meters
 A3 Scale :1:2,500

HUTU RIVER - CONSENT AREA - Map 15a
 GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

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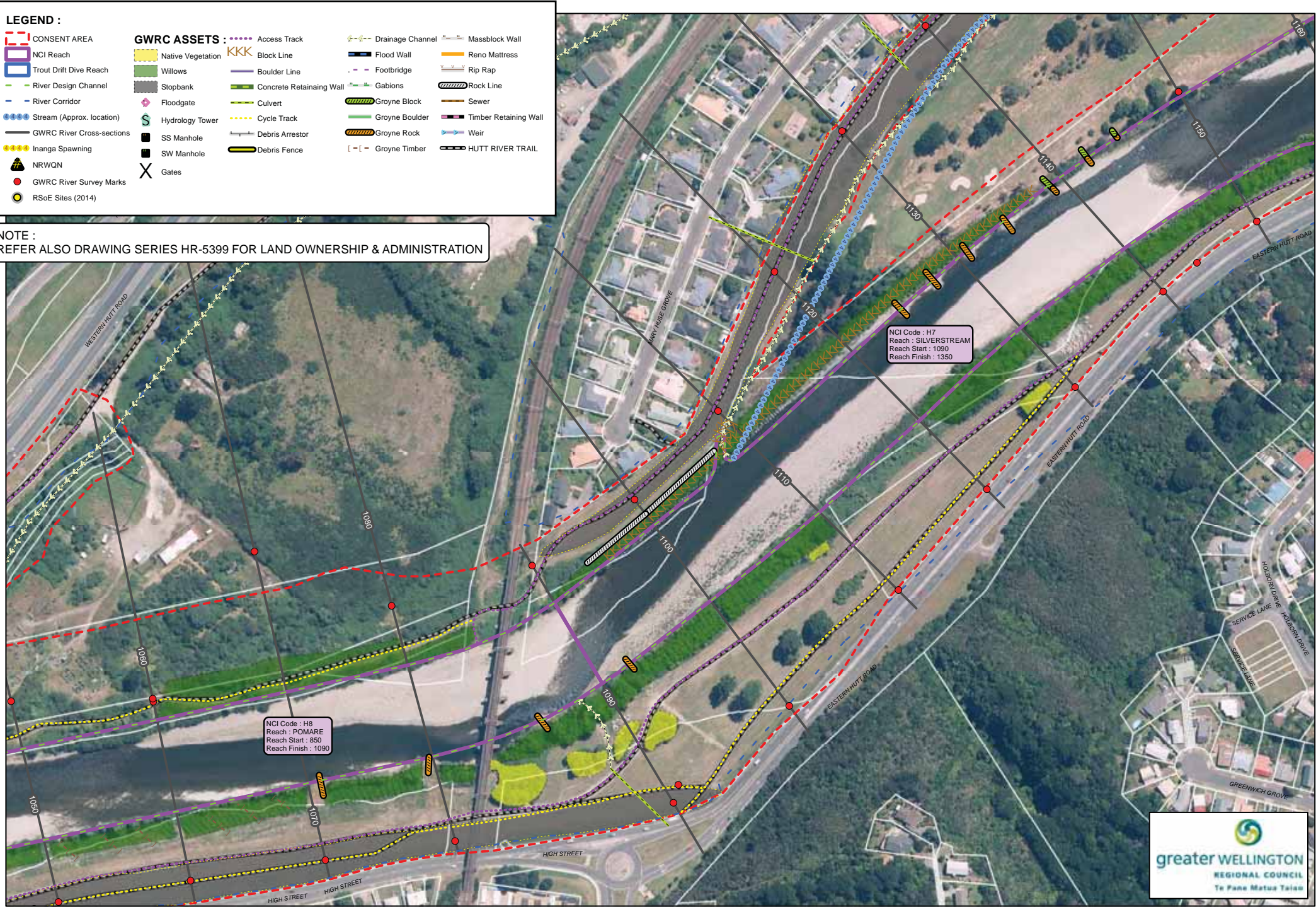
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File ref : Hutu Application Area March 2014 - Sheet 15a.mxd

LEGEND :	
	CONSENT AREA
	NCI Reach
	Trout Drift Dive Reach
	River Design Channel
	River Corridor
	Stream (Approx. location)
	GWRC River Cross-sections
	Inanga Spawning
	NRWQN
	GWRC River Survey Marks
	RSO Sites (2014)
	Native Vegetation
	Willows
	Stopbank
	Floodgate
	Hydrology Tower
	SS Manhole
	SW Manhole
	Gates
	Access Track
	Block Line
	Boulder Line
	Concrete Retaining Wall
	Culvert
	Cycle Track
	Debris Arrestor
	Debris Fence
	Drainage Channel
	Flood Wall
	Footbridge
	Gabions
	Groyne Block
	Groyne Boulder
	Groyne Rock
	Groyne Timber
	Massblock Wall
	Reno Mattress
	Rip Rap
	Rock Line
	Sewer
	Timber Retaining Wall
	Weir
	HUTT RIVER TRAIL

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



0 25 50 100 Meters
A3 Scale :1:2,500

HUTT RIVER - CONSENT AREA - Map 16a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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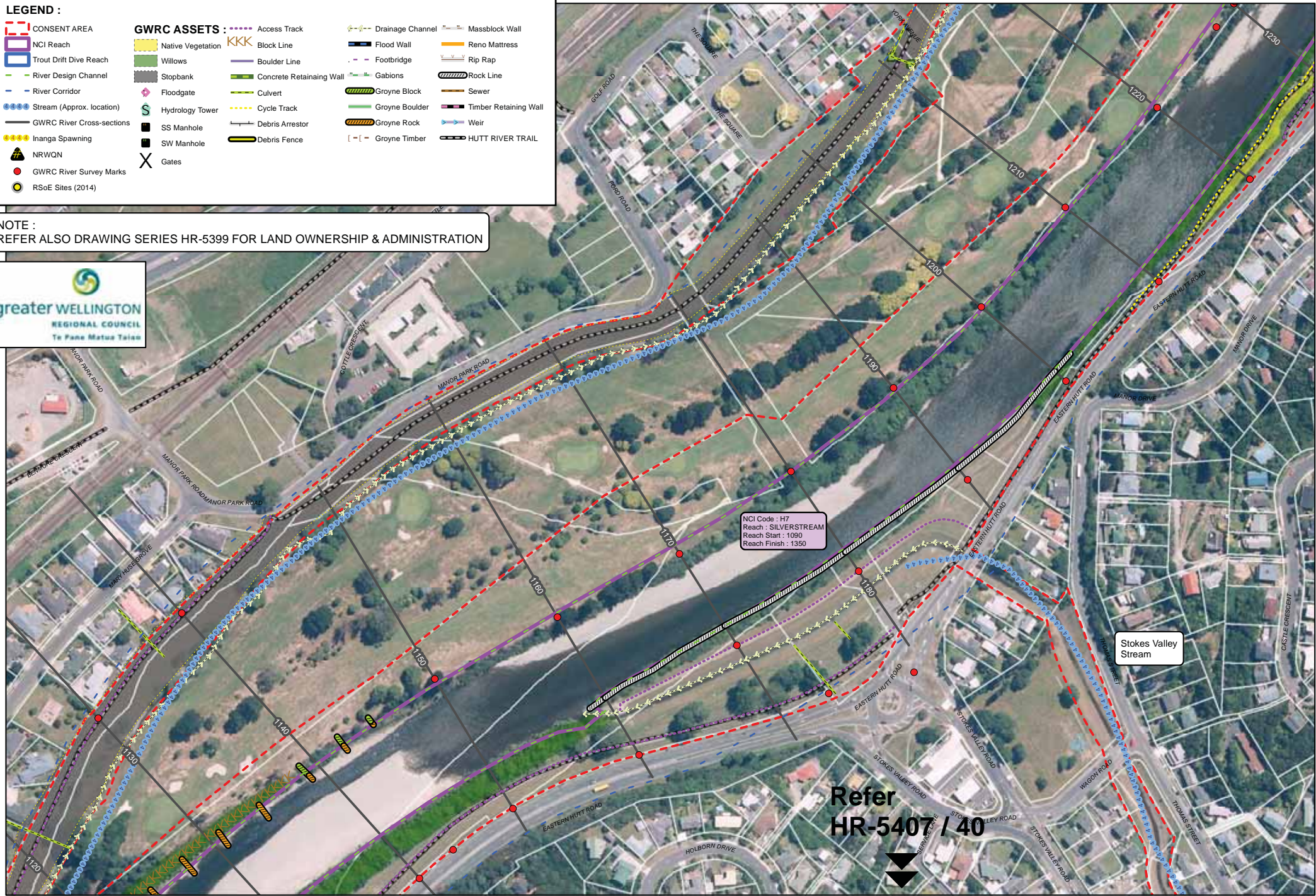


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LEGEND :	
	CONSENT AREA
	NCI Reach
	Trout Drift Dive Reach
	River Design Channel
	River Corridor
	Stream (Approx. location)
	GWRC River Cross-sections
	Inanga Spawning
	NRWQN
	GWRC River Survey Marks
	RSoE Sites (2014)
	Native Vegetation
	Willows
	Stopbank
	Floodgate
	Hydrology Tower
	SS Manhole
	SW Manhole
	Gates
	Access Track
	Block Line
	Boulder Line
	Concrete Retaining Wall
	Culvert
	Cycle Track
	Debris Arrestor
	Debris Fence
	Drainage Channel
	Flood Wall
	Footbridge
	Gabions
	Groyne Block
	Groyne Boulder
	Groyne Rock
	Groyne Timber
	Massblock Wall
	Reno Mattress
	Rip Rap
	Rock Line
	Sewer
	Timber Retaining Wall
	Weir
	HUTT RIVER TRAIL

NOTE :
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Refer
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HUTU RIVER - CONSENT AREA - Map 17a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Aerial Road including Stokes valley Stream)

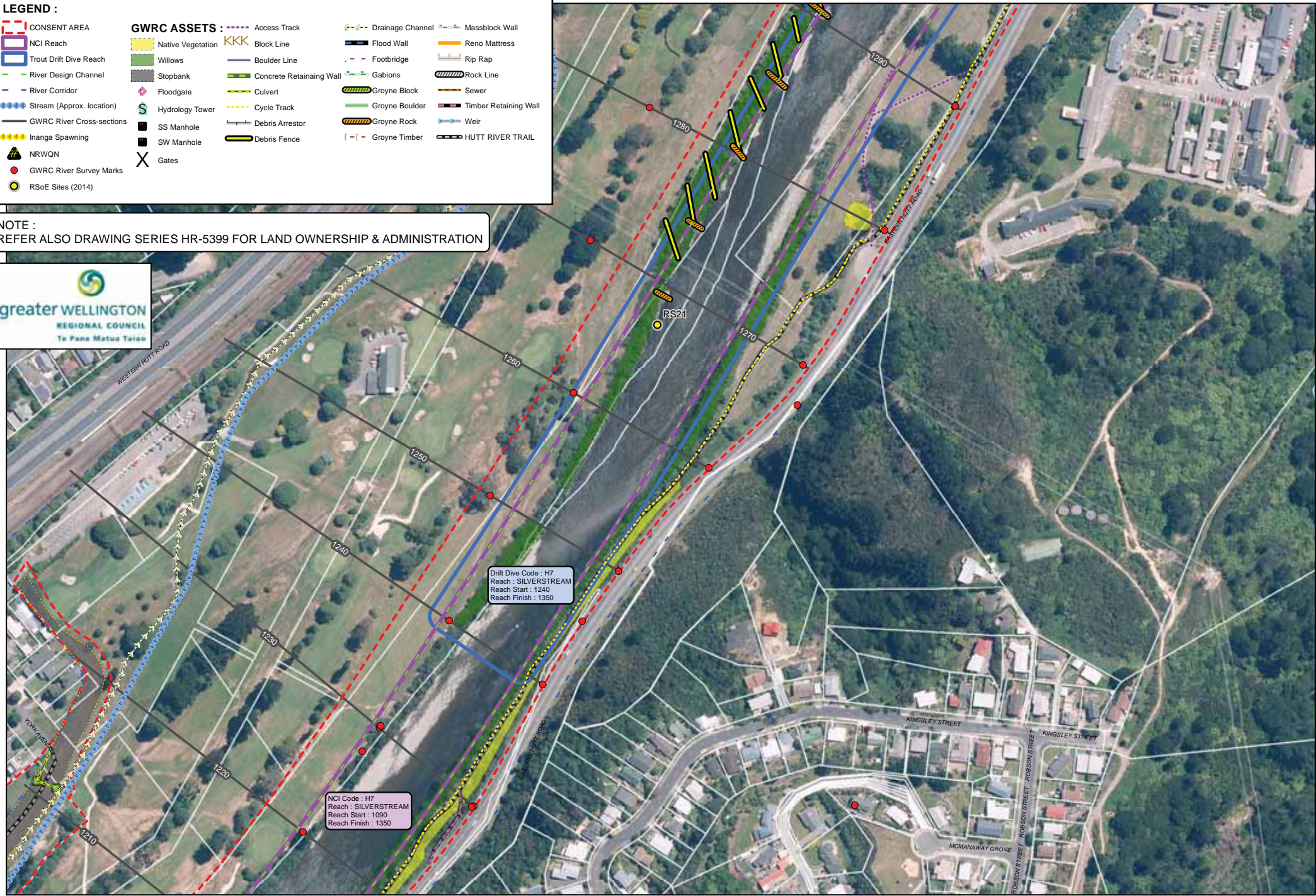
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LEGEND :

- | | | | |
|---------------------------|----------------------------|-------------------------|-----------------------|
| CONSENT AREA | GWRC ASSETS : Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Sewer |
| Stream (Approx. location) | Hydrology Tower | Cycle Track | Groyne Boulder |
| GWRC River Cross-sections | SS Manhole | Debris Arrestor | Groyne Rock |
| Inanga Spawning | SW Manhole | Debris Fence | Timber Retaining Wall |
| NRWQN | Gates | Groyne Timber | Weir |
| GWRC River Survey Marks | | HUTT RIVER TRAIL | |
| RSoE Sites (2014) | | | |

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



0 25 50 100 Meters
A3 Scale 1:2,500

HUTT RIVER - CONSENT AREA - Map 18a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

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Aerial Photo : GWRC 2013

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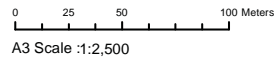
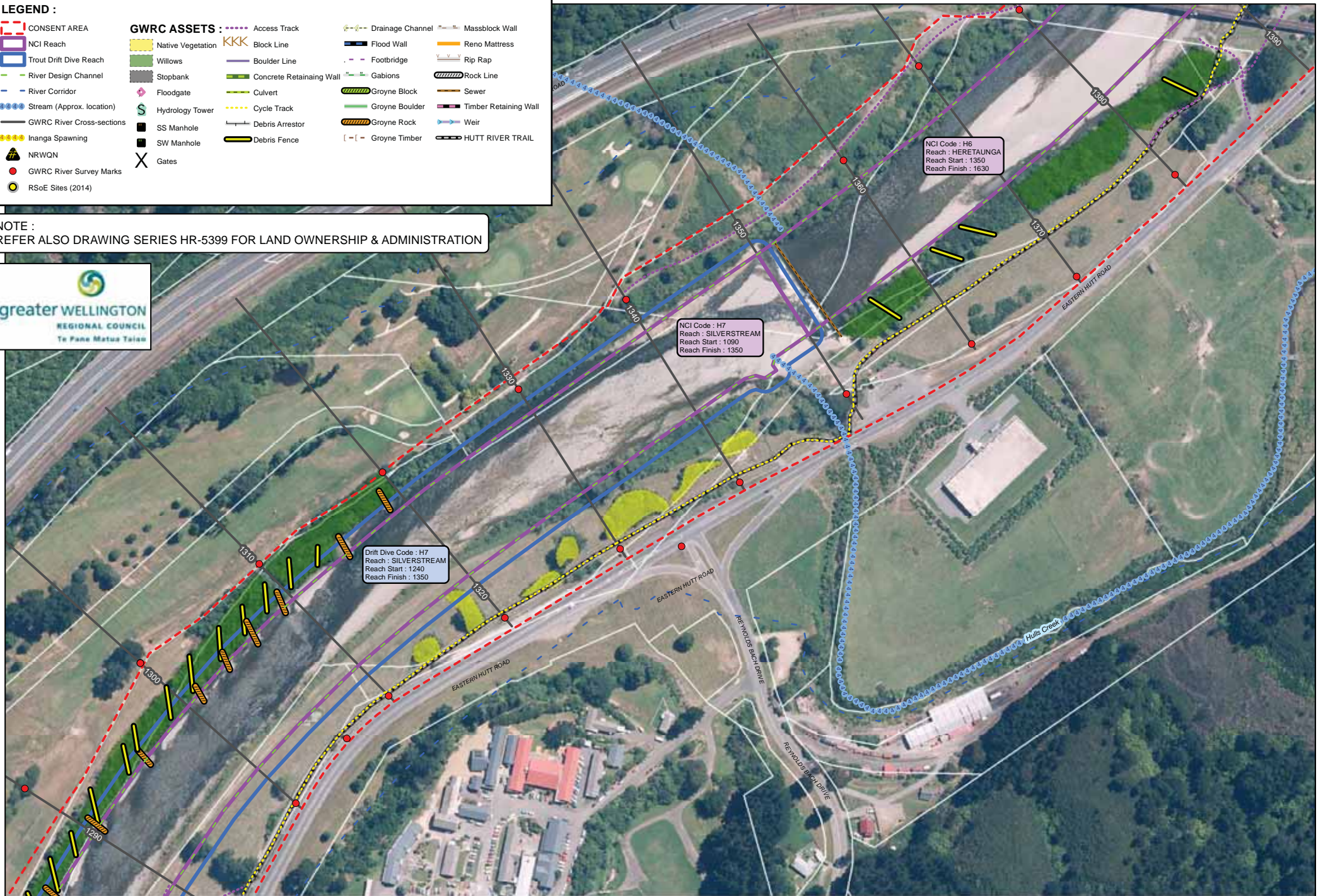
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LEGEND :

CONSENT AREA	GWRC ASSETS :	Access Track	Drainage Channel	Massblock Wall
NCI Reach	Native Vegetation	Block Line	Flood Wall	Reno Mattress
Trout Drift Dive Reach	Willows	Boulder Line	Footbridge	Rip Rap
River Design Channel	Stopbank	Concrete Retaining Wall	Gabions	Rock Line
River Corridor	Floodgate	Culvert	Groyne Block	Sewer
Stream (Approx. location)	Hydrology Tower	Cycle Track	Groyne Boulder	Timber Retaining Wall
GWRC River Cross-sections	SS Manhole	Debris Arrestor	Groyne Rock	Weir
Inanga Spawning	SW Manhole	Debris Fence	Groyne Timber	HUTT RIVER TRAIL
NRWQN	Gates			
GWRC River Survey Marks				
RSoE Sites (2014)				

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



HUTT RIVER - CONSENT AREA - Map 19a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

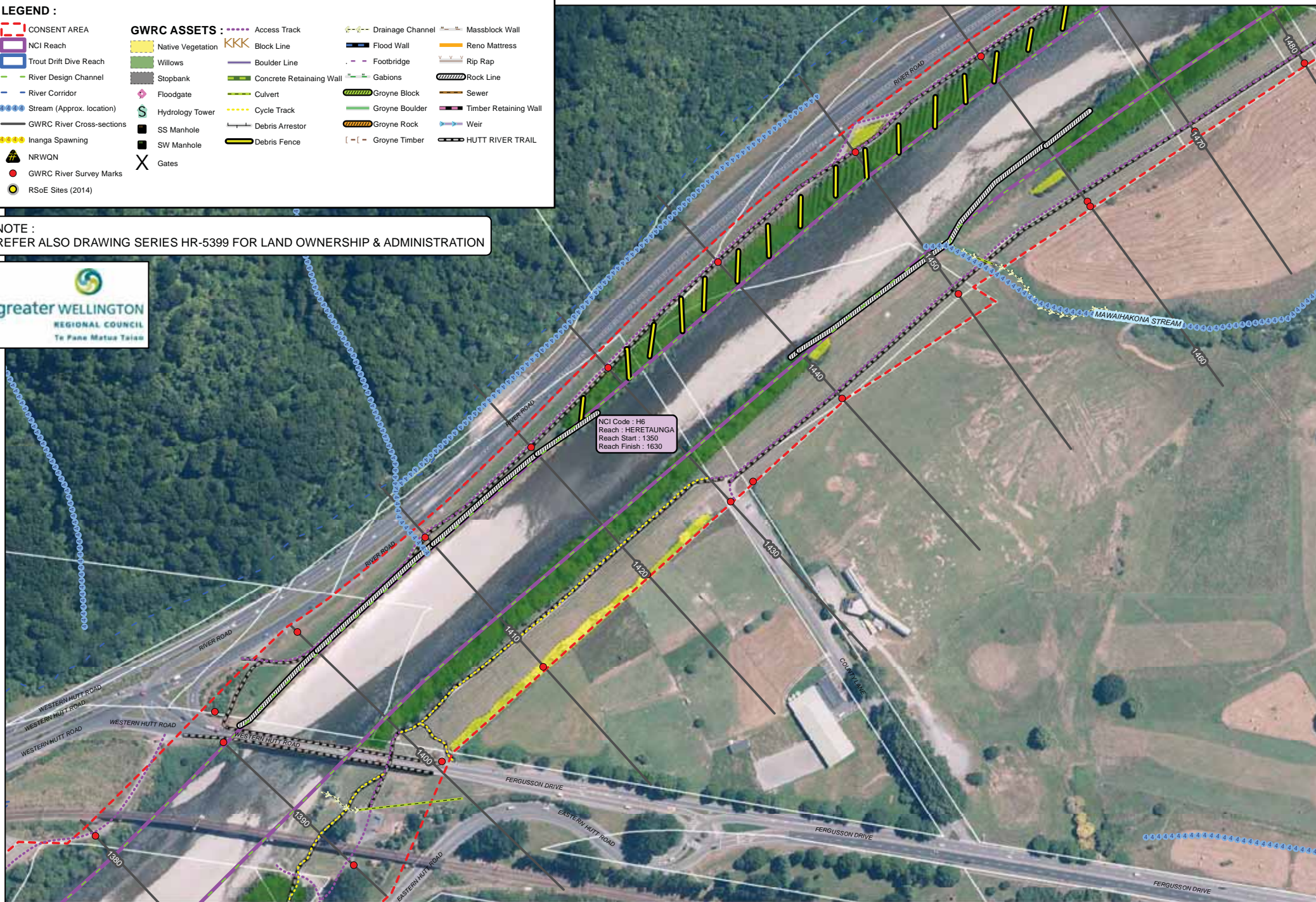
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DWG No. **HR-5407 / 19**

LEGEND :

- | | | | |
|---------------------------|-----------------------------------|-------------------------|-----------------------|
| CONSENT AREA | GWRC ASSETS : Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Sewer |
| Stream (Approx. location) | Hydrology Tower | Cycle Track | Timber Retaining Wall |
| GWRC River Cross-sections | SS Manhole | Debris Arrestor | Weir |
| Inanga Spawning | SW Manhole | Debris Fence | HUTT RIVER TRAIL |
| NRWQN | Gates | Groyne Timber | |
| GWRC River Survey Marks | | | |
| RSoE Sites (2014) | | | |

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



0 25 50 100 Meters
A3 Scale : 1:2,500

HUTT RIVER - CONSENT AREA - Map 20a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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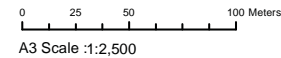
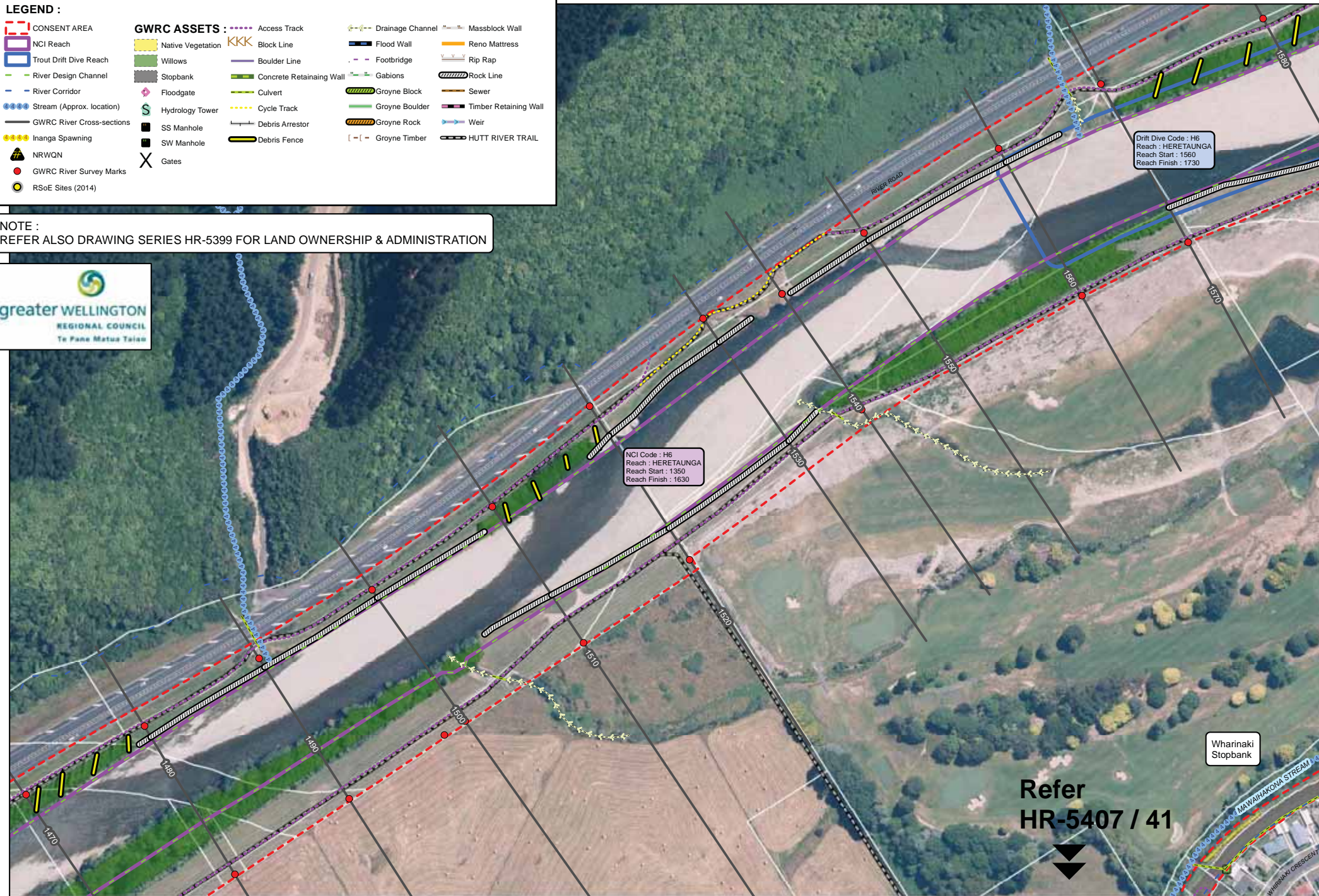
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LEGEND :

- | | | | |
|---------------------------|-----------------------------------|-------------------------|------------------|
| CONSENT AREA | GWRC ASSETS : Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Groyne Block |
| Stream (Approx. location) | Hydrology Tower | Cycle Track | Groyne Boulder |
| GWRC River Cross-sections | SS Manhole | Debris Arrestor | Groyne Rock |
| Inanga Spawning | SW Manhole | Debris Fence | HUTT RIVER TRAIL |
| NRWQN | Gates | | |
| GWRC River Survey Marks | | | |
| RSoE Sites (2014) | | | |

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



HUTT RIVER - CONSENT AREA - Map 21a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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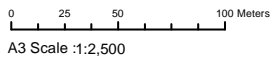
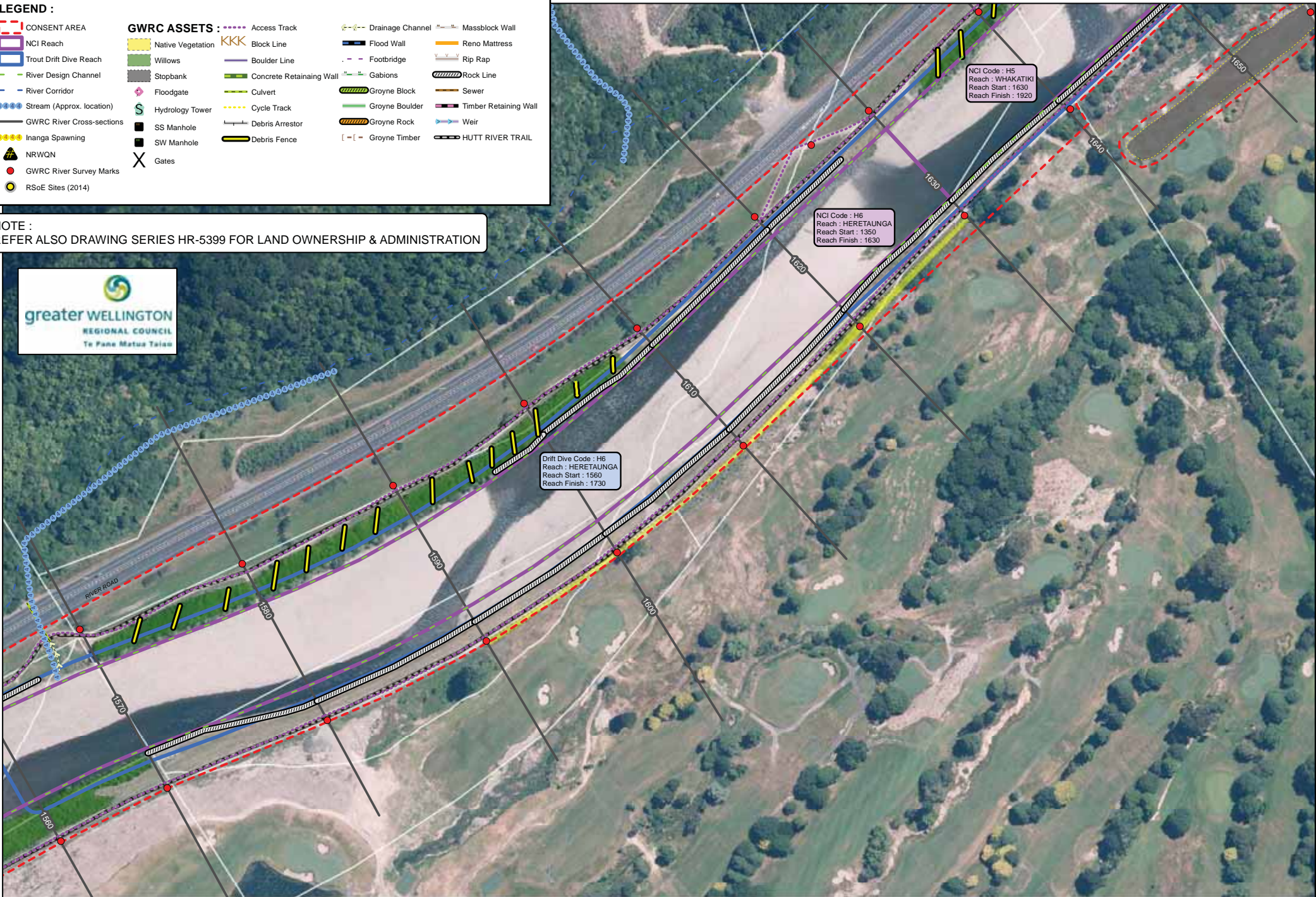
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LEGEND :

- | | | | |
|---------------------------|-----------------------------------|-------------------------|-----------------------|
| CONSENT AREA | GWRC ASSETS : Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Sewer |
| Stream (Approx. location) | Hydrology Tower | Cycle Track | Groyne Boulder |
| GWRC River Cross-sections | SS Manhole | Groyne Rock | Timber Retaining Wall |
| Inanga Spawning | SW Manhole | Debris Arrestor | Weir |
| NRWQN | Gates | Debris Fence | HUTT RIVER TRAIL |
| GWRC River Survey Marks | | Groyne Timber | |
| RSoE Sites (2014) | | | |

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



HUTT RIVER - CONSENT AREA - Map 22a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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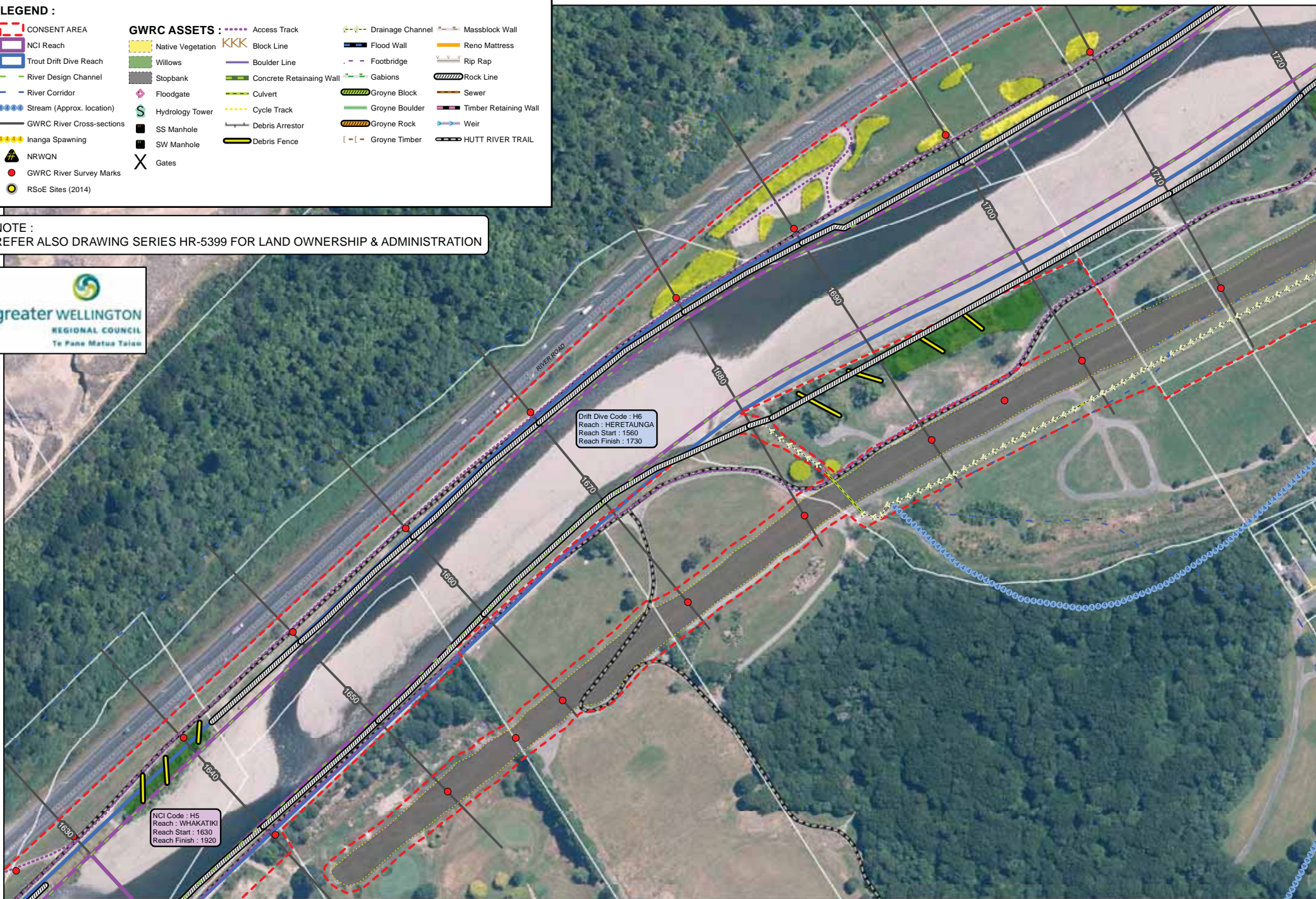
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LEGEND :

- | | | | |
|---------------------------|-------------------|-------------------------|-----------------------|
| CONSENT AREA | Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Sewer |
| Stream (Approx. location) | Hydrology Tower | Cycle Track | Groyne Block |
| GWRC River Cross-sections | SS Manhole | Debris Arrestor | Groyne Boulder |
| Inanga Spawning | SW Manhole | Debris Fence | Groyne Rock |
| NRWQN | Gates | Groyne Timber | Timber Retaining Wall |
| GWRC River Survey Marks | | HUTT RIVER TRAIL | Weir |
| RSoE Sites (2014) | | | |

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



0 25 50 100 Meters
A3 Scale 1:2,500

HUTT RIVER - CONSENT AREA - Map 23a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

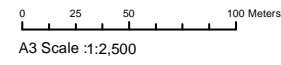
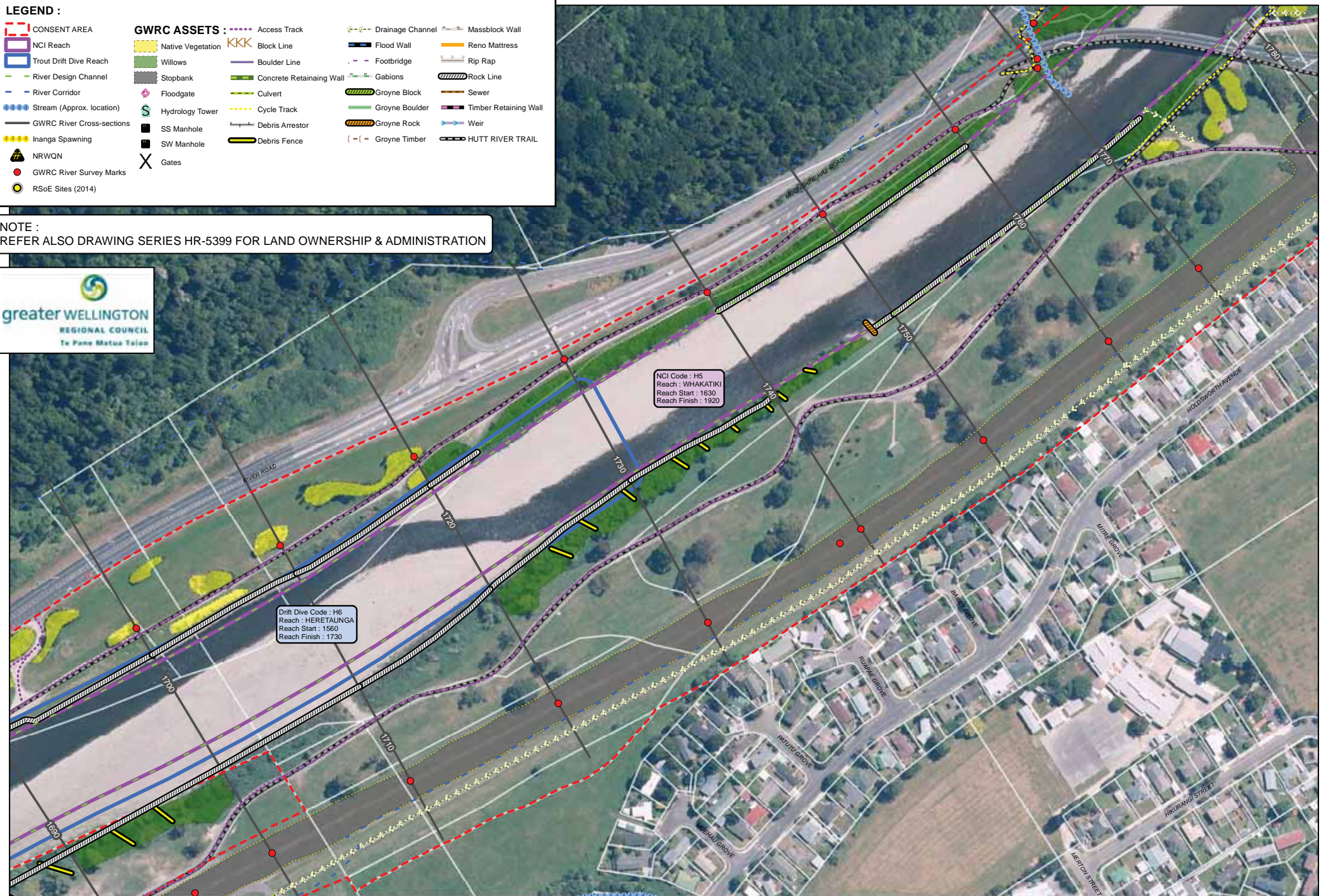
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DWG No. **HR-5407 / 23**

LEGEND :

- | | | | |
|---------------------------|-------------------|-------------------------|------------------|
| CONSENT AREA | Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Groyne Block |
| Stream (Approx. location) | Hydrology Tower | Cycle Track | Groyne Boulder |
| GWRC River Cross-sections | SS Manhole | Debris Arrestor | Groyne Rock |
| Inanga Spawning | SW Manhole | Debris Fence | Groyne Timber |
| NRWQN | Gates | | HUTT RIVER TRAIL |
| GWRC River Survey Marks | | | |
| RSoE Sites (2014) | | | |

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



HUTT RIVER - CONSENT AREA - Map 24a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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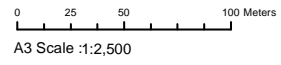
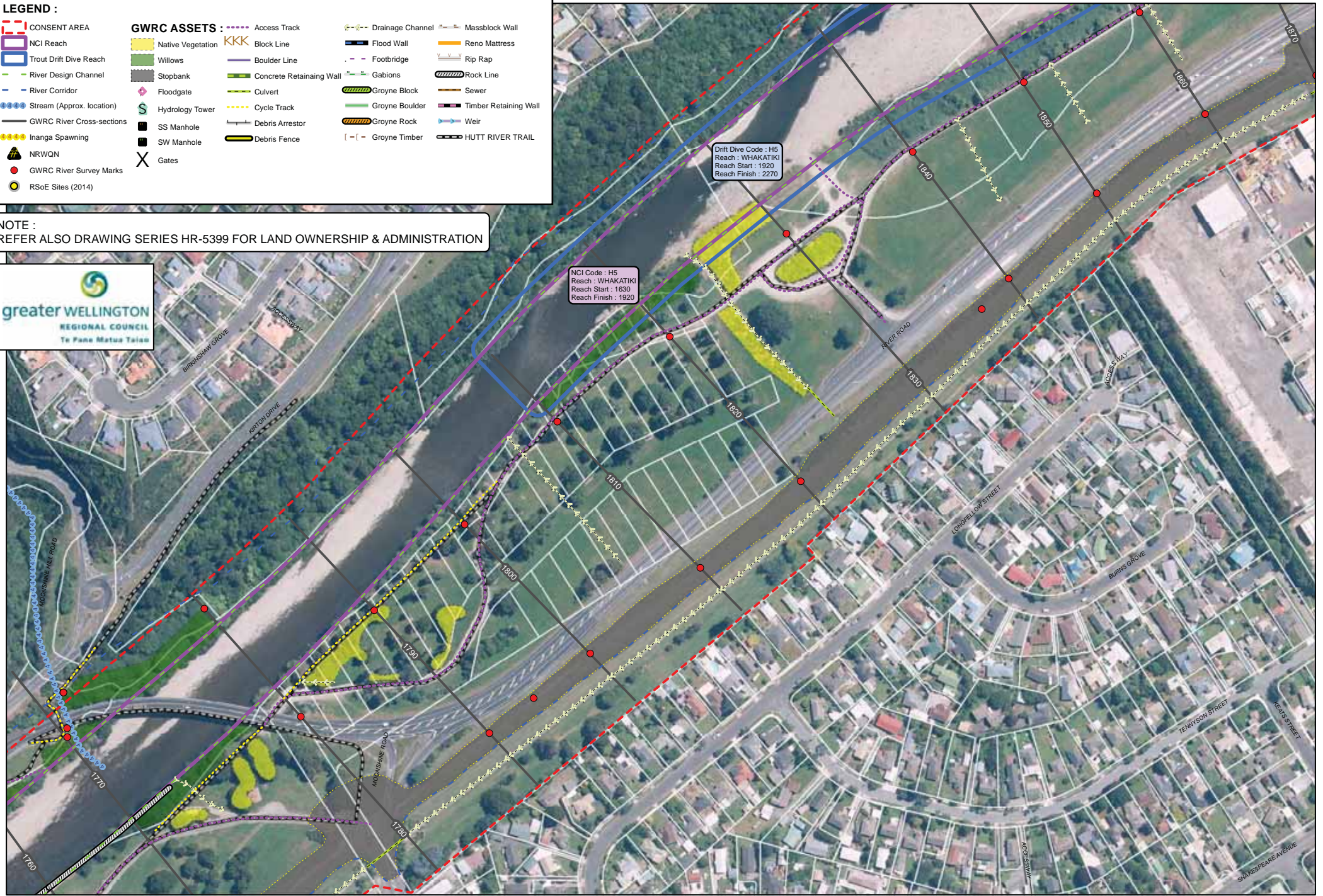
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LEGEND :

- | | | | |
|---------------------------|----------------------------|-------------------------|-----------------------|
| CONSENT AREA | GWRC ASSETS : Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Flood Wall | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Sewer |
| Stream (Approx. location) | Hydrology Tower | Cycle Track | Timber Retaining Wall |
| GWRC River Cross-sections | SS Manhole | Groyne Boulder | Weir |
| Inanga Spawning | SW Manhole | Groyne Rock | Weir |
| NRWQN | Debris Arrestor | Debris Fence | HUTT RIVER TRAIL |
| GWRC River Survey Marks | Gates | | |
| RSoE Sites (2014) | | | |

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



HUTT RIVER - CONSENT AREA - Map 25a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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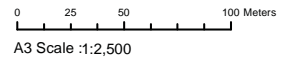
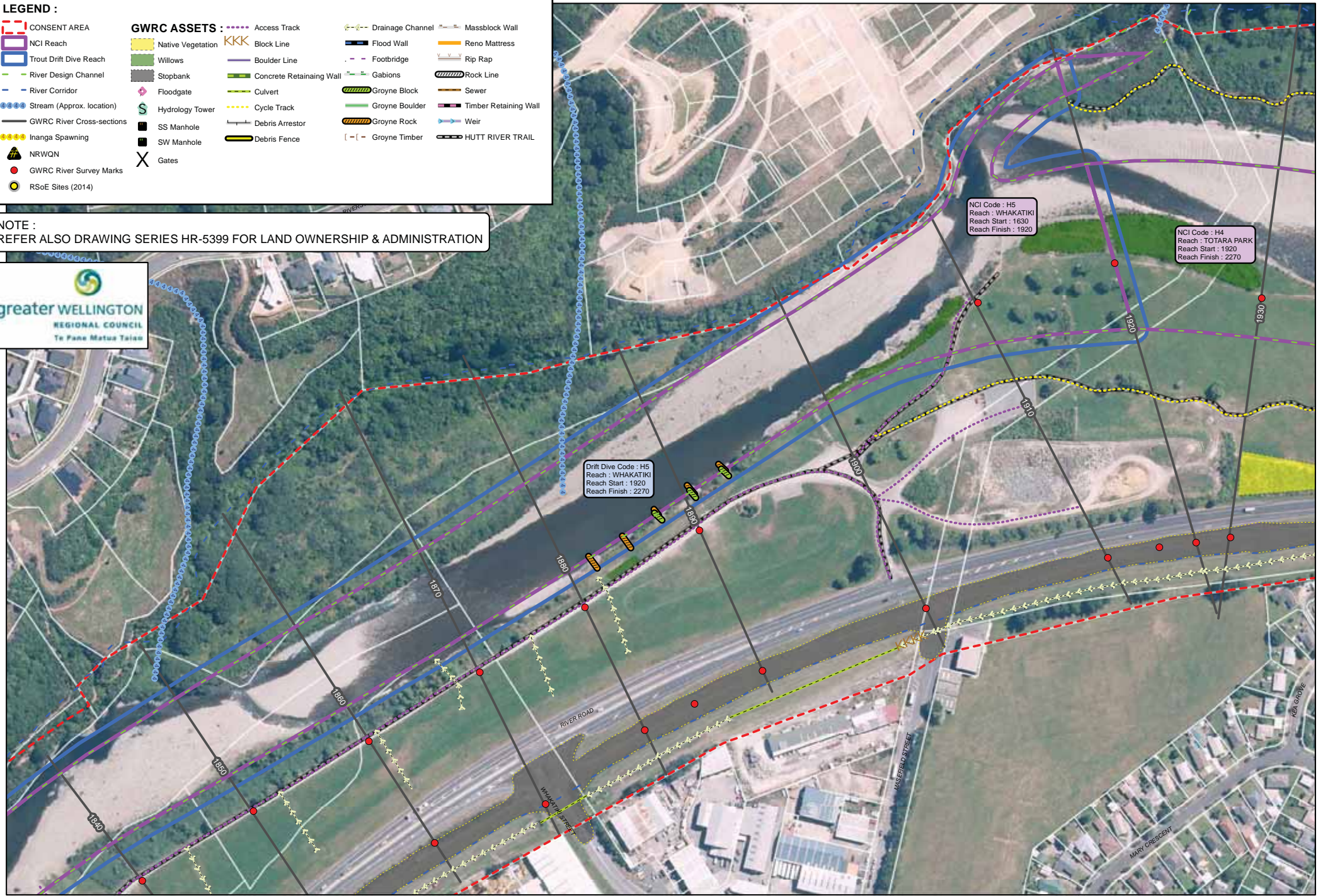
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LEGEND :

- | | | | |
|---------------------------|-----------------------------------|-------------------------|-----------------------|
| CONSENT AREA | GWRC ASSETS : Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Sewer |
| Stream (Approx. location) | Hydrology Tower | Groyne Block | Timber Retaining Wall |
| GWRC River Cross-sections | SS Manhole | Groyne Boulder | Weir |
| Inanga Spawning | SW Manhole | Groyne Rock | Weir |
| NRWQN | Gates | Groyne Timber | HUTT RIVER TRAIL |
| GWRC River Survey Marks | | | |
| RSoE Sites (2014) | | | |

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



HUTT RIVER - CONSENT AREA - Map 26a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

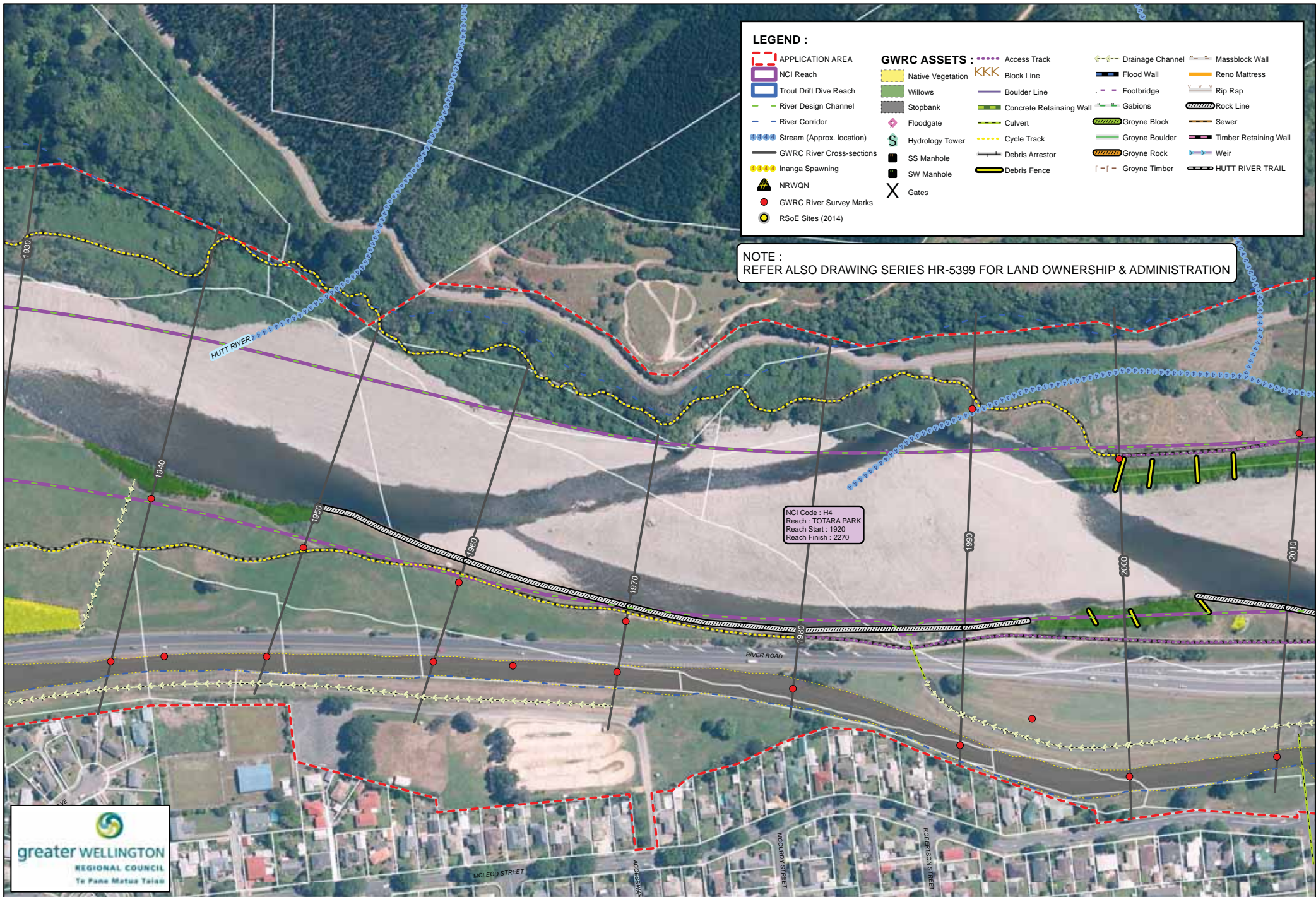
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LEGEND :

APPLICATION AREA	Native Vegetation	Access Track	Drainage Channel	Massblock Wall
NCI Reach	Willows	Block Line	Flood Wall	Reno Mattress
Trout Drift Dive Reach	Stopbank	Boulder Line	Footbridge	Rip Rap
River Design Channel	Floodgate	Concrete Retaining Wall	Gabions	Rock Line
River Corridor	Hydrology Tower	Culvert	Groyne Block	Sewer
Stream (Approx. location)	SS Manhole	Cycle Track	Groyne Boulder	Timber Retaining Wall
GWRC River Cross-sections	SW Manhole	Debris Arrestor	Groyne Rock	Weir
Inanga Spawning	Gates	Debris Fence	Groyne Timber	HUTT RIVER TRAIL
NRWQN				
GWRC River Survey Marks				
RSoE Sites (2014)				

NOTE :
 REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION

NCI Code : H4
 Reach : TOTARA PARK
 Reach Start : 1920
 Reach Finish : 2270



0 25 50 100 Meters
 A3 Scale 1:2,500

HUTU RIVER - APPLICATION AREA - Map 27a
 GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
 Aerial Photo : GWRC 2013



DWG No. **HR-5407 / 27**

LEGEND :

- | | | | |
|---------------------------|----------------------------|-------------------------|-----------------------|
| CONSENT AREA | GWRC ASSETS : Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Sewer |
| Stream (Approx. location) | Hydrology Tower | Groyne Block | Timber Retaining Wall |
| GWRC River Cross-sections | SS Manhole | Groyne Boulder | Weir |
| Inanga Spawning | SW Manhole | Groyne Rock | Debris Arrestor |
| NRWQN | Gates | Debris Fence | HUTT RIVER TRAIL |
| GWRC River Survey Marks | | Groyne Timber | |
| RSoE Sites (2014) | | | |



NCI Code : H4
 Reach : TOTARA PARK
 Reach Start : 1920
 Reach Finish : 2270

NOTE :
 REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION

0 25 50 100 Meters
 A3 Scale 1:2,500

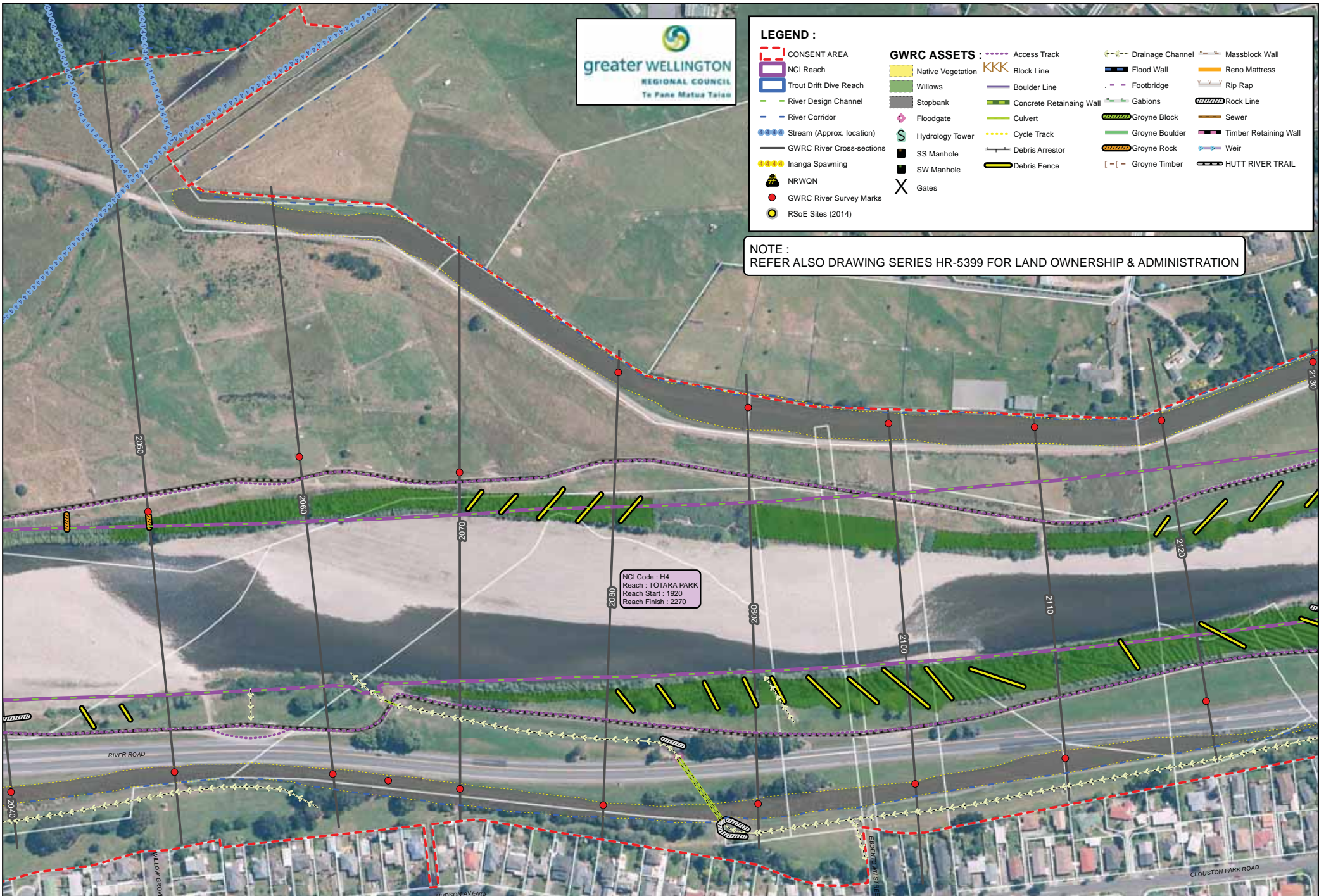
HUTT RIVER - CONSENT AREA - Map 28a
 GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
 Aerial Photo : GWRC 2013

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LEGEND :

CONSENT AREA	NCI Reach	Trout Drift Dive Reach	River Design Channel	River Corridor	Stream (Approx. location)	GWRC River Cross-sections	Inanga Spawning	NRWQ	GWRC River Survey Marks	RSoE Sites (2014)																					
Native Vegetation	Willows	Stopbank	Floodgate	Hydrology Tower	SS Manhole	SW Manhole	Gates	Access Track	Block Line	Boulder Line	Concrete Retaining Wall	Culvert	Cycle Track	Debris Arrestor	Debris Fence	Drainage Channel	Flood Wall	Footbridge	Gabions	Groyne Block	Groyne Boulder	Groyne Rock	Groyne Timber	Massblock Wall	Reno Mattress	Rip Rap	Rock Line	Sewer	Timber Retaining Wall	Weir	HUTU RIVER TRAIL

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION

NCI Code : H4
Reach : TOTARA PARK
Reach Start : 1920
Reach Finish : 2270

0 25 50 100 Meters
A3 Scale 1:2,500

HUTU RIVER - CONSENT AREA - Map 29a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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DWG No. **HR-5407 / 29**

LEGEND :

- | | | | |
|---------------------------|-----------------------------------|-------------------------|------------------|
| CONSENT AREA | GWRC ASSETS : Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Sewer |
| Stream (Approx. location) | Hydrology Tower | Cycle Track | Groyne Boulder |
| GWRC River Cross-sections | SS Manhole | Debris Arrestor | Groyne Rock |
| Inanga Spawning | SW Manhole | Debris Fence | Groyne Timber |
| NRWQ | Gates | | HUTT RIVER TRAIL |
| GWRC River Survey Marks | | | |
| RSoE Sites (2014) | | | |



NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



0 25 50 100 Meters
A3 Scale : 1:2,500

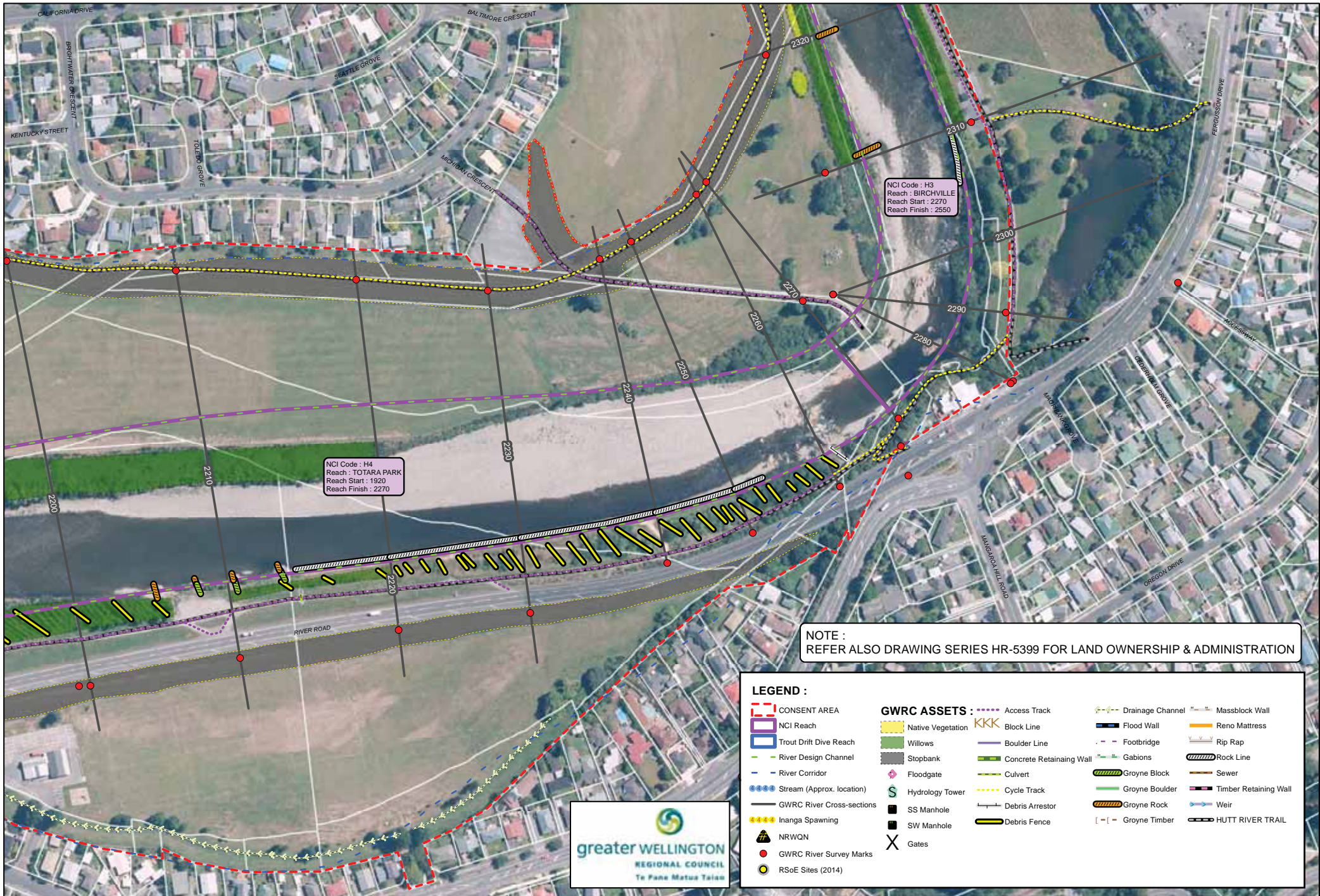
HUTT RIVER - CONSENT AREA - Map 30a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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File ref : Hutt Application Area March 2014 - Sheet 30a.mxd



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LEGEND :	
	CONSENT AREA
	NCI Reach
	Trout Drift Dive Reach
	River Design Channel
	River Corridor
	Stream (Approx. location)
	GWRC River Cross-sections
	Inanga Spawning
	NRWQN
	GWRC River Survey Marks
	RSoE Sites (2014)
	Native Vegetation
	Willows
	Stopbank
	Floodgate
	Hydrology Tower
	SS Manhole
	SW Manhole
	Gates
	Access Track
	Block Line
	Boulder Line
	Concrete Retaining Wall
	Culvert
	Cycle Track
	Debris Arrestor
	Debris Fence
	Drainage Channel
	Flood Wall
	Footbridge
	Gabions
	Groyne Block
	Groyne Boulder
	Groyne Rock
	Groyne Timber
	Massblock Wall
	Reno Mattress
	Rip Rap
	Rock Line
	Sewer
	Timber Retaining Wall
	Weir
	HUTT RIVER TRAIL



0 25 50 100 Meters
 A3 Scale 1:2,500

HUTT RIVER - CONSENT AREA - Map 31a
 GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

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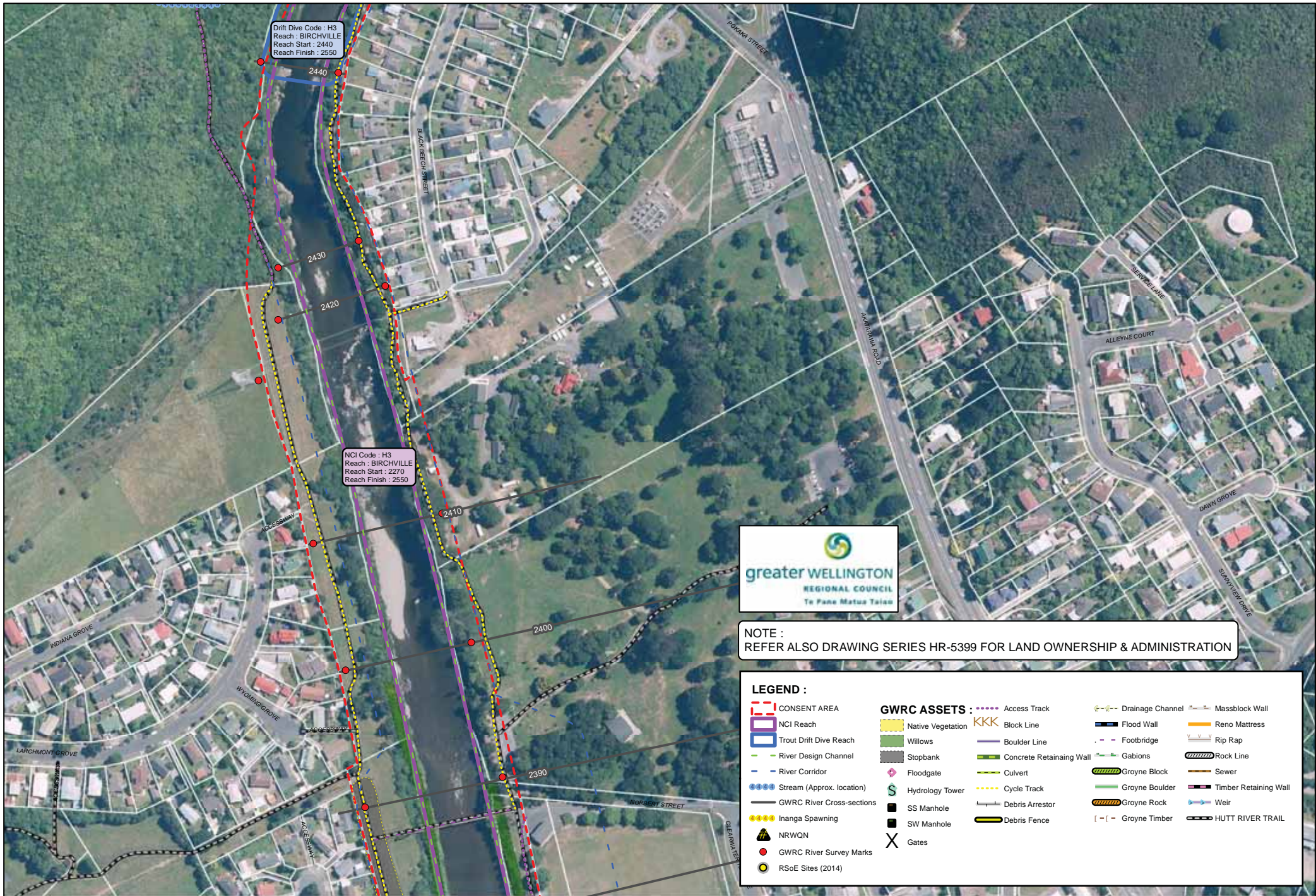
0 25 50 100 Meters
A3 Scale 1:2,500

HUTT RIVER - CONSENT AREA - Map 32a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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NOTE :
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LEGEND :

[Red dashed line] CONSENT AREA	[Green dashed line] Access Track	[Blue dashed line] Drainage Channel	[Black dashed line] Massblock Wall
[Purple dashed line] NCI Reach	[Yellow dashed line] Native Vegetation	[Blue dashed line] Flood Wall	[Orange dashed line] Reno Mattress
[Blue dashed line] Trout Drift Dive Reach	[Green dashed line] Willows	[Black dashed line] Block Line	[White dashed line] Rip Rap
[Green dashed line] River Design Channel	[Grey dashed line] Stopbank	[Blue dashed line] Boulder Line	[Black dashed line] Rock Line
[Blue dashed line] River Corridor	[Pink dashed line] Floodgate	[Green dashed line] Concrete Retaining Wall	[Black dashed line] Sewer
[Blue dashed line] Stream (Approx. location)	[Green dashed line] Hydrology Tower	[Green dashed line] Culvert	[Black dashed line] Timber Retaining Wall
[Black dashed line] GWRC River Cross-sections	[Black dashed line] SS Manhole	[Yellow dashed line] Cycle Track	[Black dashed line] Weir
[Yellow dashed line] Inanga Spawning	[Black dashed line] SW Manhole	[Black dashed line] Debris Arrestor	[Black dashed line] HUTU RIVER TRAIL
[Yellow triangle] NRWQN	[Black dashed line] Gates	[Black dashed line] Debris Fence	
[Red dot] GWRC River Survey Marks			
[Yellow circle] RSoE Sites (2014)			

0 25 50 100 Meters
 A3 Scale 1:2,500

HUTU RIVER - CONSENT AREA - Map 33a
 GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
 Aerial Photo : GWRC 2013

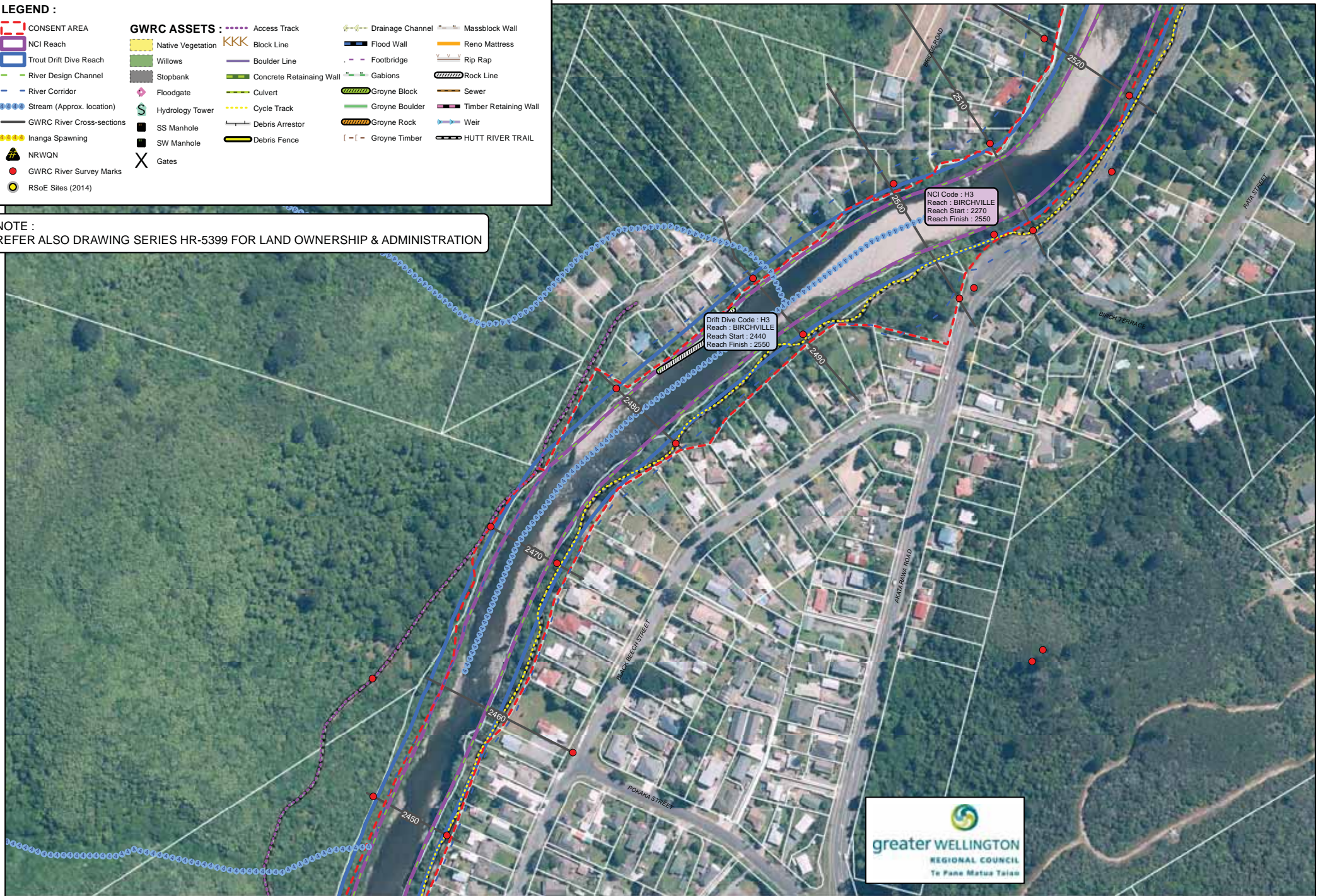
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DWG No. **HR-5407 / 33**

LEGEND :

- | | | | |
|---------------------------|-----------------------------------|-------------------------|------------------|
| CONSENT AREA | GWRC ASSETS : Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Groyne Block |
| Stream (Approx. location) | Hydrology Tower | Cycle Track | Groyne Boulder |
| GWRC River Cross-sections | SS Manhole | Debris Arrestor | Groyne Rock |
| Inanga Spawning | SW Manhole | Debris Fence | Groyne Timber |
| NRWQN | Gates | | HUTT RIVER TRAIL |
| GWRC River Survey Marks | | | |
| RSoE Sites (2014) | | | |

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



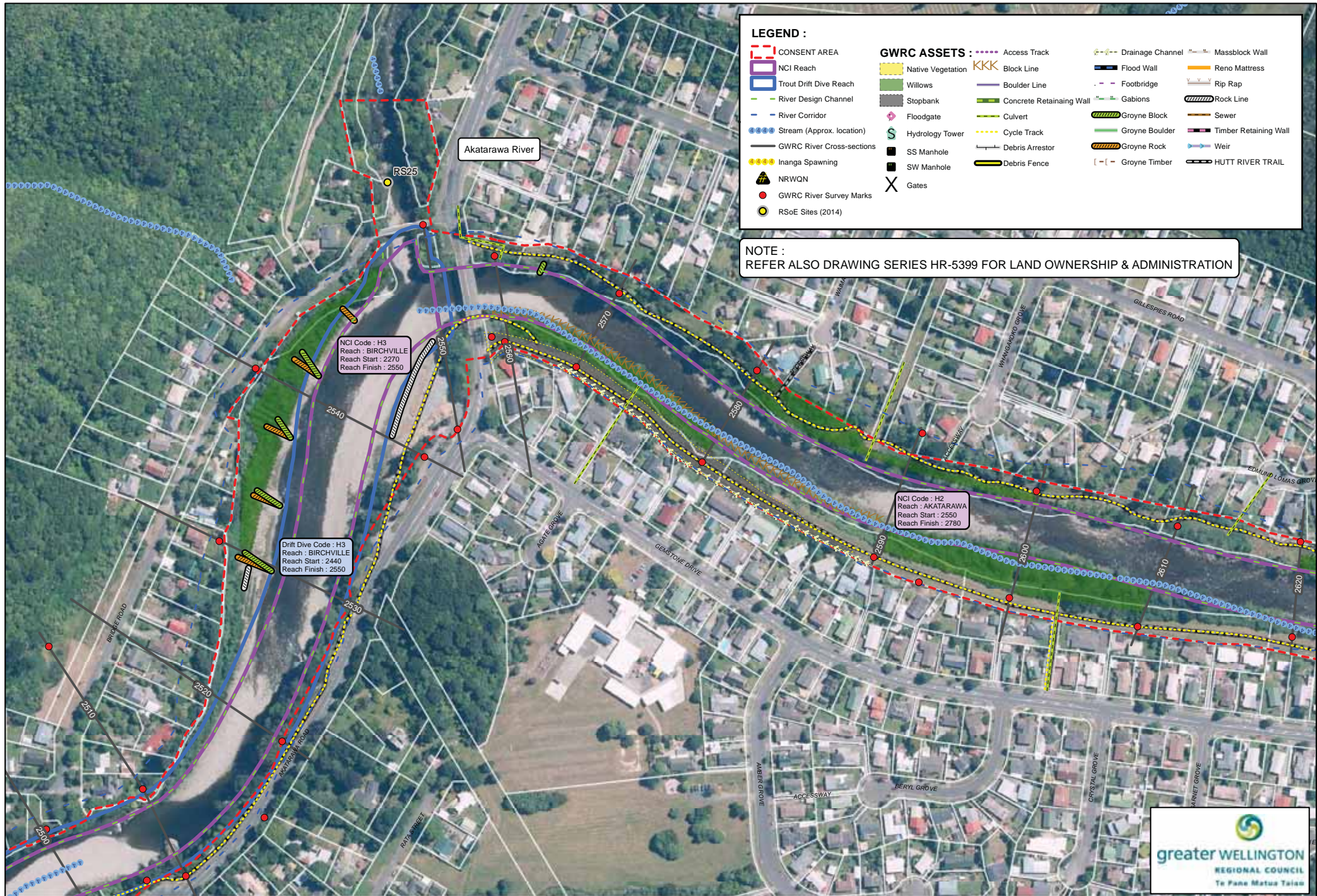
0 25 50 100 Meters
A3 Scale 1:2,500

HUTT RIVER - CONSENT AREA - Map 34a
GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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LEGEND :

CONSENT AREA	Native Vegetation	Access Track	Drainage Channel	Massblock Wall
NCI Reach	Willows	Block Line	Flood Wall	Reno Mattress
Trout Drift Dive Reach	Stopbank	Boulder Line	Footbridge	Rip Rap
River Design Channel	Concrete Retaining Wall	Culvert	Gabions	Rock Line
River Corridor	Floodgate	Cycle Track	Groyne Block	Sewer
Stream (Approx. location)	Hydrology Tower	Debris Arrestor	Groyne Boulder	Timber Retaining Wall
GWRC River Cross-sections	SS Manhole	Debris Fence	Groyne Rock	Weir
Inanga Spawning	SW Manhole	Gates	Groyne Timber	HUTT RIVER TRAIL
NRWQN	GWRC River Survey Marks			
RSoE Sites (2014)				

NOTE :
 REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION

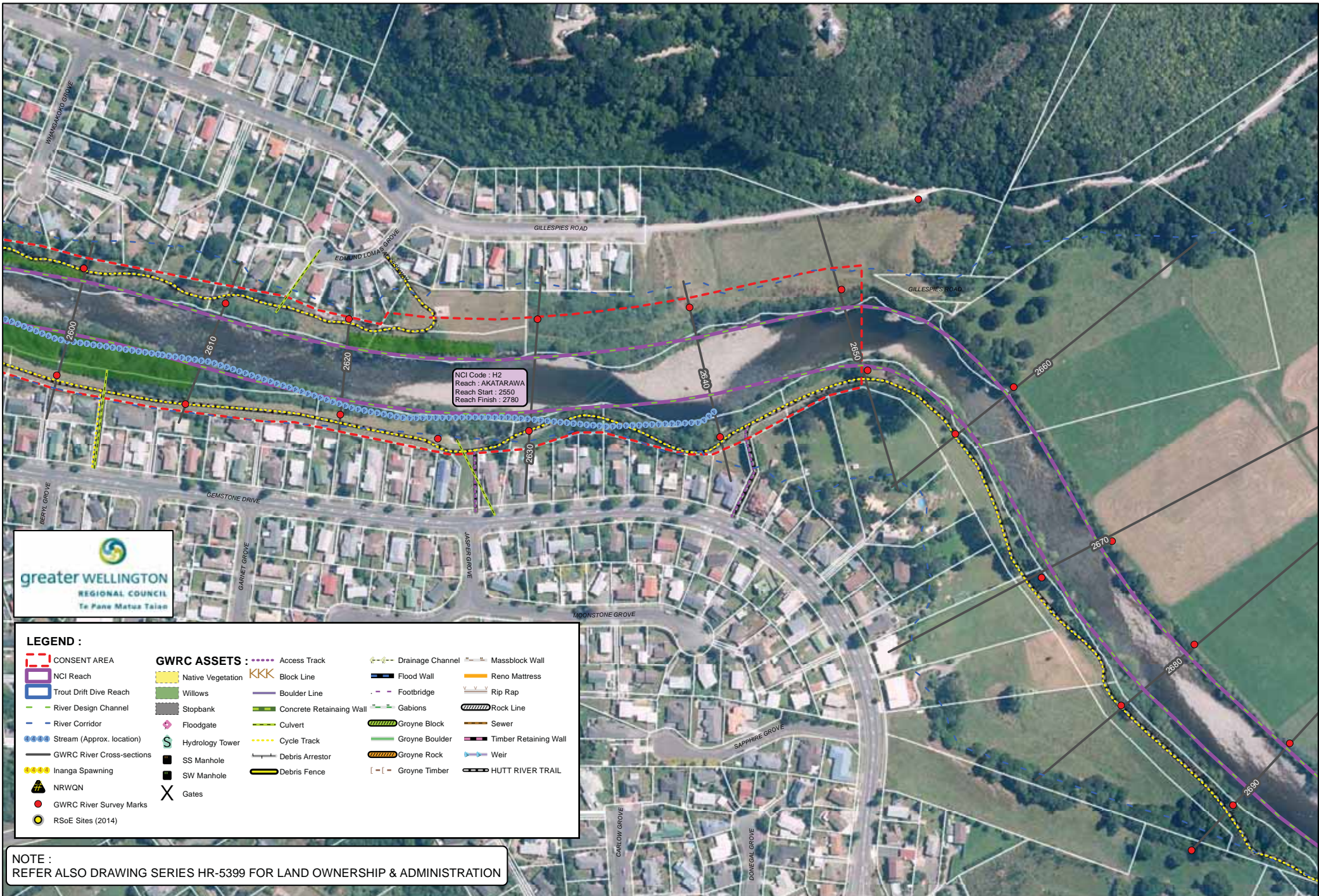
0 25 50 100 Meters
 A3 Scale : 1:2,500

HUTT RIVER - CONSENT AREA - Map 35a
 GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road Including Akatarawa River)

Drawn : P.Cook, Date Plotted : 7 July 2015
 Aerial Photo : GWRRC 2013
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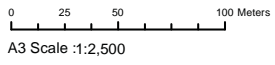




LEGEND :

[Red dashed line] CONSENT AREA	[Purple line] GWRC ASSETS : Access Track	[Blue dashed line] Drainage Channel	[Grey rectangle] Massblock Wall
[Purple line] NCI Reach	[Yellow dashed line] Native Vegetation	[Blue rectangle] Flood Wall	[Orange rectangle] Reno Mattress
[Blue dashed line] Trout Drift Dive Reach	[Green rectangle] Willows	[Blue dashed line] Footbridge	[White rectangle] Rip Rap
[Green dashed line] River Design Channel	[Grey rectangle] Stopbank	[Green rectangle] Gabions	[Black rectangle] Rock Line
[Blue dashed line] River Corridor	[Pink diamond] Floodgate	[Green rectangle] Concrete Retaining Wall	[Black rectangle] Sewer
[Blue dashed line] Stream (Approx. location)	[Green circle] Hydrology Tower	[Green rectangle] Culvert	[Black rectangle] Timber Retaining Wall
[Black dashed line] GWRC River Cross-sections	[Black square] SS Manhole	[Green rectangle] Groyne Block	[Black rectangle] Debris Arrestor
[Yellow dashed line] Inanga Spawning	[Black square] SW Manhole	[Green rectangle] Groyne Boulder	[Black rectangle] Weir
[Red triangle] NRWQ	[Black X] Gates	[Green rectangle] Groyne Rock	[Black rectangle] HUTU RIVER TRAIL
[Red circle] GWRC River Survey Marks		[Green rectangle] Groyne Timber	
[Yellow circle] RSoE Sites (2014)			

NOTE :
 REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



HUTU RIVER - CONSENT AREA - Map 36a
 GWRC Asset, Fish & Ecological Information (River Mouth to Gillespies Road)

Drawn : P.Cook, Date Plotted : 7 July 2015
 Aerial Photo : GWRC 2013

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LEGEND :

CONSENT AREA	GWRC ASSETS : Access Track	Drainage Channel	Massblock Wall
NCI Reach	Native Vegetation	Flood Wall	Reno Mattress
Trout Drift Dive Reach	Willows	Boulder Line	Rip Rap
River Design Channel	Stopbank	Concrete Retaining Wall	Rock Line
River Corridor	Floodgate	Culvert	Sewer
Stream (Approx. location)	Hydrology Tower	Cycle Track	Timber Retaining Wall
GWRC River Cross-sections	SS Manhole	Groyne Block	Weir
Inanga Spawning	SW Manhole	Groyne Boulder	Debris Fence
NRWQN	Gates	Groyne Rock	HUTT RIVER TRAIL
GWRC River Survey Marks		Groyne Timber	
RSoE Sites (2014)			

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



NCI Code : H12
Reach : ESTUARY
Reach Start : 100
Reach Finish : 210

0 25 50 100 Meters
A3 Scale : 1:2,500

HUTT RIVER - CONSENT AREA - Map 37a
GWRC Asset, Fish & Ecological Information (Te Mome Stream Mouth to Bracken Street)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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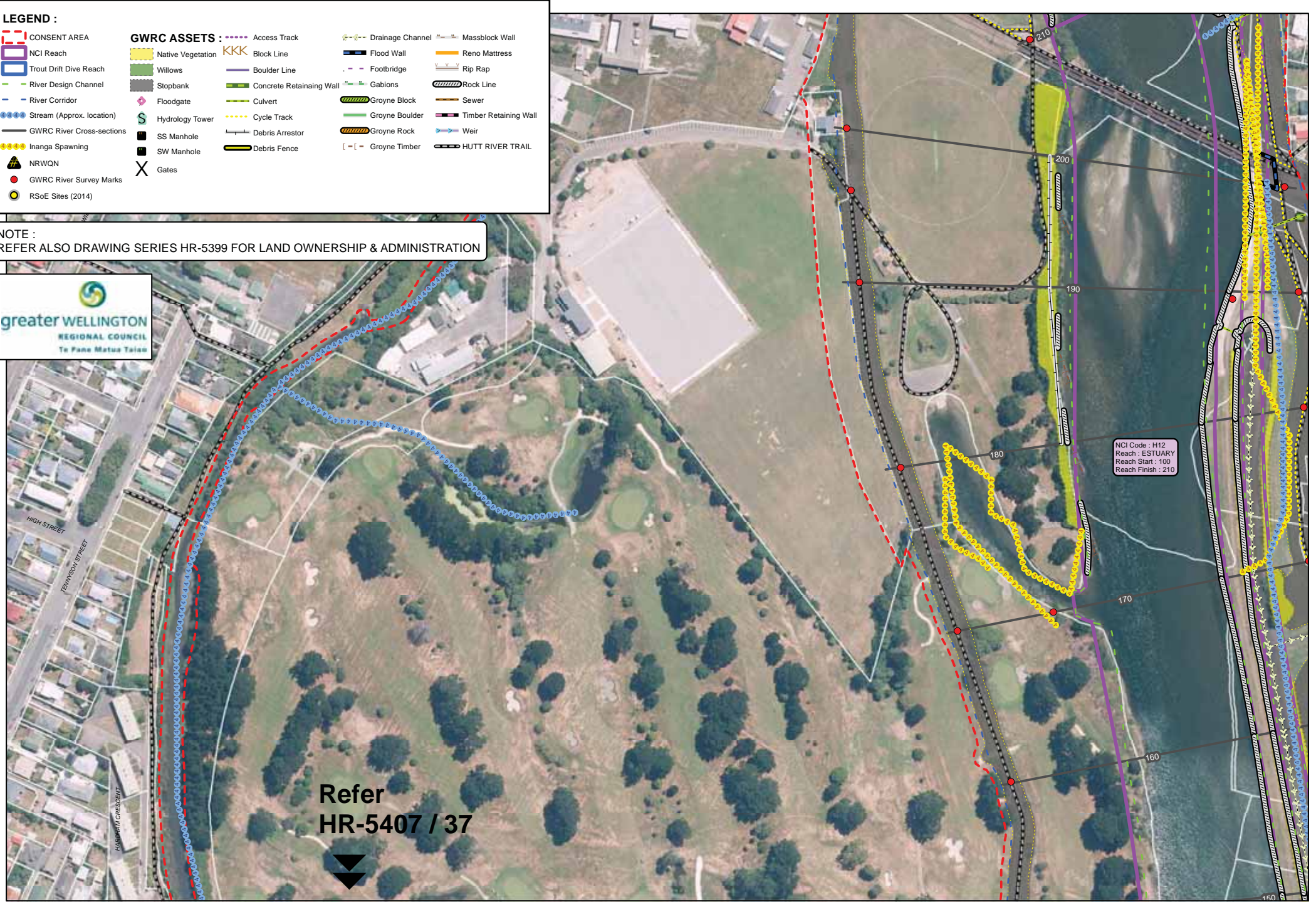
DWG No. **HR-5407 / 37**

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File ref.: Hutu Application Area March 2014 - Sheet 37a.mxd

LEGEND :

- | | | | |
|---------------------------|-----------------------------------|-------------------------|-----------------------|
| CONSENT AREA | GWRC ASSETS : Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Sewer |
| Stream (Approx. location) | Hydrology Tower | Cycle Track | Timber Retaining Wall |
| GWRC River Cross-sections | SS Manhole | Debris Arrestor | Weir |
| Inanga Spawning | SW Manhole | Debris Fence | HUTT RIVER TRAIL |
| NRWQN | Gates | Groyne Timber | |
| GWRC River Survey Marks | | Groyne Boulder | |
| RSoE Sites (2014) | | Groyne Rock | |

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



**Refer
HR-5407 / 37**

0 25 50 100 Meters
A3 Scale 1:2,500

HUTT RIVER - CONSENT AREA - Map 38a
GWRC Asset, Fish & Ecological Information (Te Mome Stream Mouth to Bracken Street)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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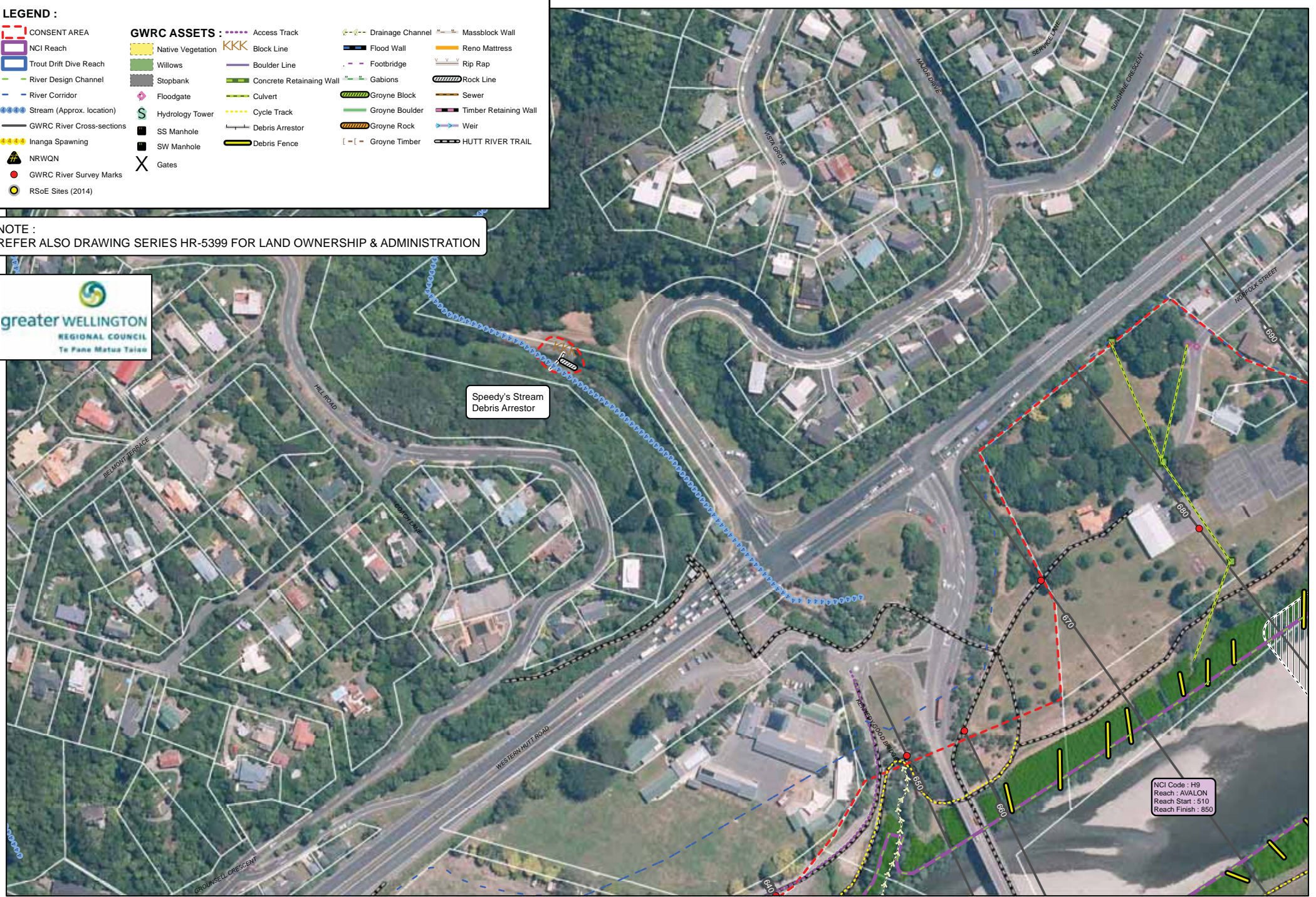
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File ref : Hutt Application Area March 2014 - Sheet 38a.mxd

LEGEND :

- | | | | |
|---------------------------|-----------------------------------|-------------------------|-----------------------|
| CONSENT AREA | GWRC ASSETS : Access Track | Drainage Channel | Massblock Wall |
| NCI Reach | Native Vegetation | Block Line | Reno Mattress |
| Trout Drift Dive Reach | Willows | Boulder Line | Rip Rap |
| River Design Channel | Stopbank | Concrete Retaining Wall | Rock Line |
| River Corridor | Floodgate | Culvert | Groyne Block |
| Stream (Approx. location) | Hydrology Tower | Cycle Track | Groyne Boulder |
| GWRC River Cross-sections | SS Manhole | Debris Arrestor | Groyne Rock |
| Inanga Spawning | SW Manhole | Debris Fence | Timber Retaining Wall |
| NRWQN | Gates | Groyne Timber | Weir |
| GWRC River Survey Marks | | HUTT RIVER TRAIL | |
| RSoE Sites (2014) | | | |

NOTE :
REFER ALSO DRAWING SERIES HR-5399 FOR LAND OWNERSHIP & ADMINISTRATION



0 15 30 60 Meters
A3 Scale : 1:2,000

HUTT RIVER - APPLICATION AREA - Map 39a
GWRC Asset, Fish & Ecological Information (Speedy's Stream Debris Arrestor)

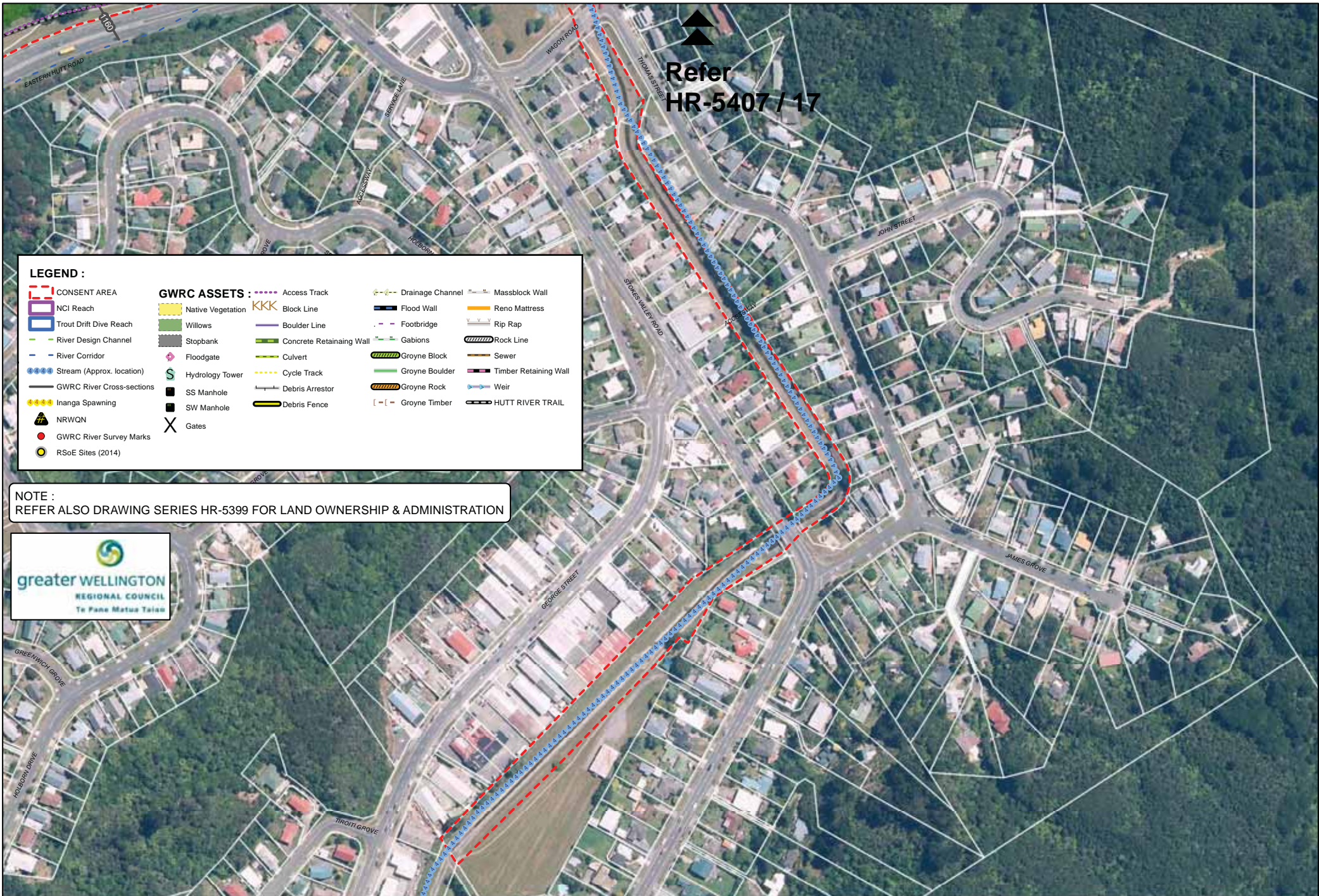
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Aerial Photo : GWRC 2013

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LEGEND :

CONSENT AREA	GWRC ASSETS : Access Track	Drainage Channel	Massblock Wall
NCI Reach	Native Vegetation	Block Line	Reno Mattress
Trout Drift Dive Reach	Willows	Boulder Line	Rip Rap
River Design Channel	Stopbank	Concrete Retaining Wall	Rock Line
River Corridor	Floodgate	Culvert	Sewer
Stream (Approx. location)	Hydrology Tower	Groyne Block	Timber Retaining Wall
GWRC River Cross-sections	SS Manhole	Groyne Boulder	Weir
Inanga Spawning	SW Manhole	Groyne Rock	HUTT RIVER TRAIL
NRWQ	Gates	Groyne Timber	
GWRC River Survey Marks		Debris Arrestor	
RSoE Sites (2014)		Debris Fence	

NOTE :
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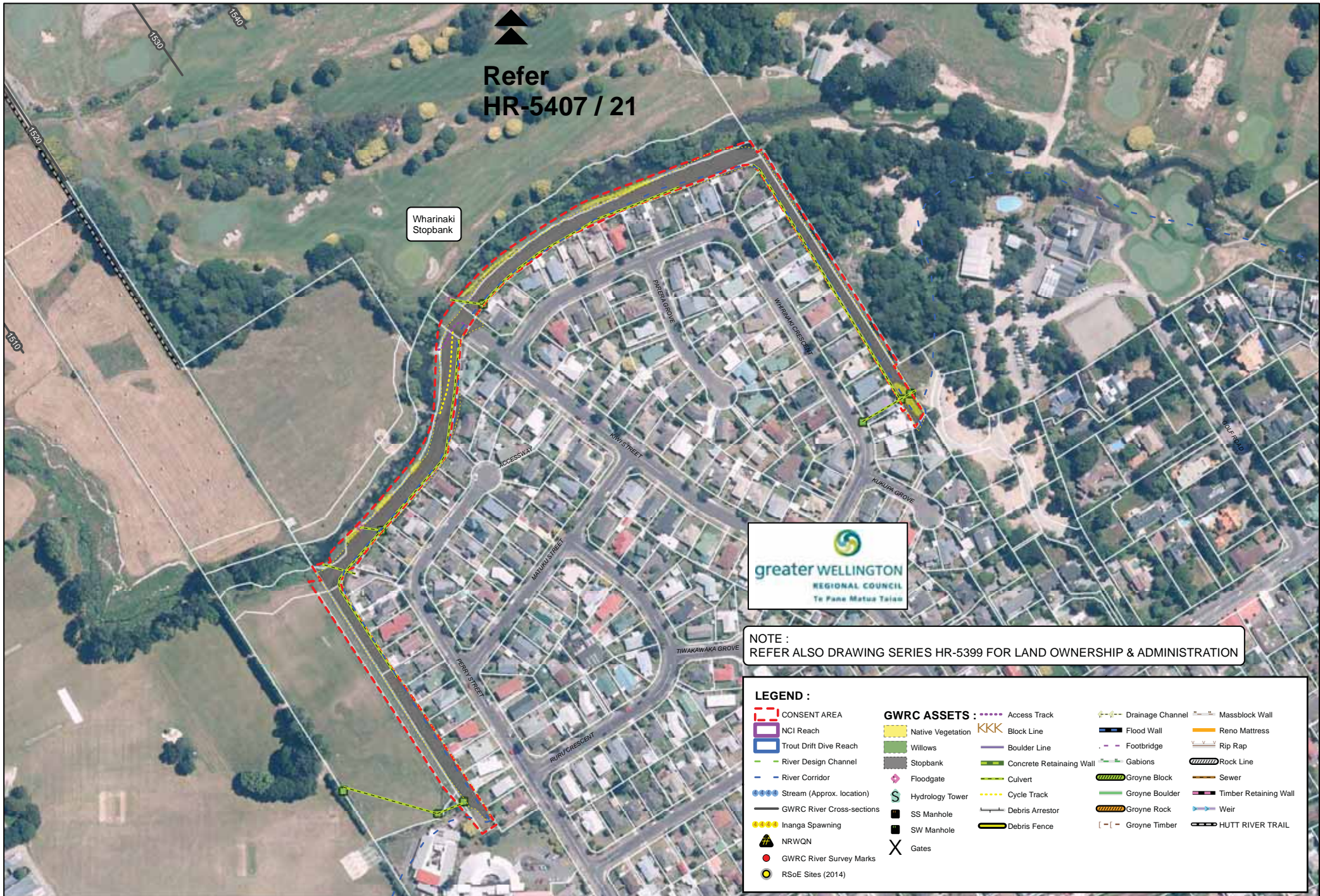
0 25 50 100 Meters
 A3 Scale :1:2,500

HUTT RIVER - CONSENT AREA - Map 40a
 GWRC Asset, Fish & Ecological Information (Mouth to Tui Glen Stream)

Drawn : P.Cook, Date Plotted : 7 July 2015
 Aerial Photo : GWRC 2013

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Refer
HR-5407 / 21

Whirinaki
Stopbank



NOTE :
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LEGEND :

CONSENT AREA	Native Vegetation	Access Track	Drainage Channel	Massblock Wall
NCI Reach	Willows	Block Line	Flood Wall	Reno Mattress
Trout Drift Dive Reach	Stopbank	Boulder Line	Footbridge	Rip Rap
River Design Channel	Floodgate	Concrete Retaining Wall	Gabions	Rock Line
River Corridor	Hydrology Tower	Culvert	Groyne Block	Sewer
Stream (Approx. location)	SS Manhole	Cycle Track	Groyne Boulder	Timber Retaining Wall
GWRC River Cross-sections	SW Manhole	Debris Arrestor	Groyne Rock	Weir
Inanga Spawning	Gates	Debris Fence	Groyne Timber	HUTT RIVER TRAIL
NRWQ				
GWRC River Survey Marks				
RSoE Sites (2014)				

0 25 50 100 Meters
A3 Scale 1:2,500

HUTT RIVER - CONSENT AREA - Map 41a
GWRC Asset, Fish & Ecological Information (Whirinaki Stopbank, Upper Hutt)

Drawn : P.Cook, Date Plotted : 7 July 2015
Aerial Photo : GWRC 2013

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