

WETLAND HYDROLOGY TO BE RESTORED
(NATURAL REGENERATION APPROACH).
9Ha TO BE RESTORED

PAIAKA ROAD

INSET - SHOWING TO THE NORTH WEST OF KOPUTAROA RD (NTS)

LEGEND	
GENERAL	RESTORATION* (BEYOND PROJECT EARTHWORKS)
EXISTING PROPERTY BOUNDARY	LOW VEGETATION
TEMPORARY WORKS AREA	TALL SCREEN PLANTING
PROPOSED DESIGNATION BOUNDARY	RE-ESTABLISHED TALL FOREST
EXISTING STREAM	WETLAND
SPOIL SITE	RE-VEGETATED SCARP
SHARED USE PATH	RIPARIAN MARGIN
PROPERTY ACCESS	WET FOREST PLANTING
ROCK REVETMENT	ENRICHMENT PLANTING
TREES*	REHABILITATION* (OVER PROJECT EARTHWORKS)
TREE AVENUES	GRASS
TREE STANDS AT INTERSECTIONS	LOW VEGETATION
ECOLOGY MITIGATION AND OFFSETTING	TALL SCREEN PLANTING
TERRESTRIAL OFFSETTING SITES	RE-ESTABLISHED TALL FOREST
WETLAND OFFSETTING SITES	SWALE PLANTING (NOTE: SWALE SHOWN DIAGRAMMATICALLY. SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
TERRESTRIAL BUFFER PLANTING	NATURALISED STORMWATER POND
RIPARIAN / FRESHWATER OFFSETTING SITES (AREAS TO BE CONFIRMED)	MATERIAL SUPPLY SITES
RIPARIAN / FRESHWATER - MITIGATION PLANTING (AREAS TO BE CONFIRMED)	* TO ADDRESS LANDSCAPE, VISUAL AND NATURAL CHARACTER EFFECTS

OFFSET + RESTORATION PLANTING IS SUBJECT TO LANDOWNER APPROVAL BEYOND THE PROPOSED DESIGNATION

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE	BY	CHECKED	APP
G	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	13.10.23	MN	GL	JE
F	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	30.06.23	MN	GL	PP
E	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	21.12.22	BH	JP	JP
D	VARIOUS UPDATES - ISSUED FOR RMA CONSENT	10.10.22	MH	JP	JP
C	QUEEN STREET AND ACCOMMODATION WORKS ADDED. LEGEND UPDATED	21.09.22	MH	JP	JP
B	ISSUED FOR RMA CONSENT	19.08.22	SS	JP	JP
A	ISSUED FOR CONSENT - DRAFT	20.04.22	SS	GL	JP

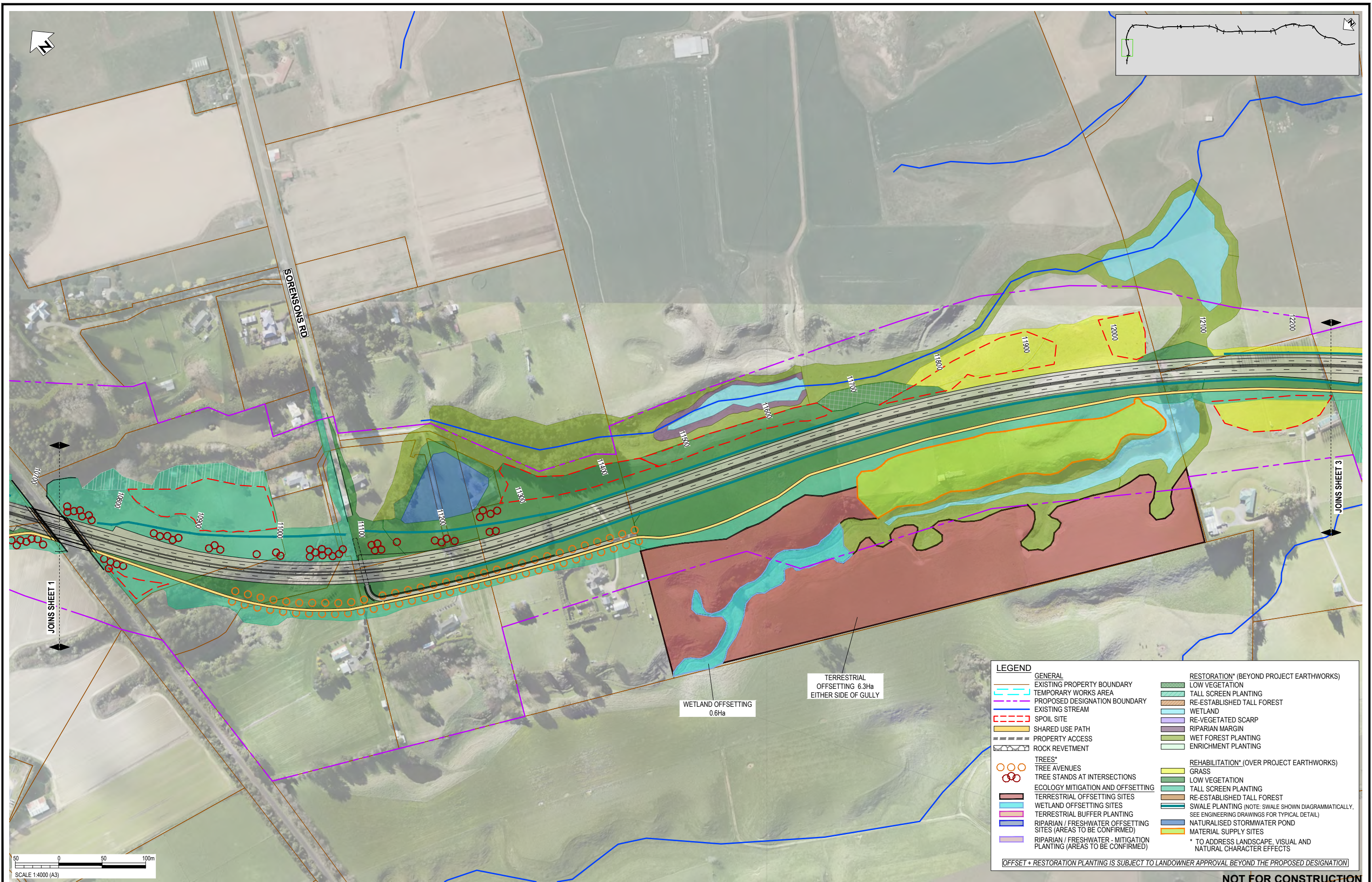
DATE	BY	DESCRIPTION
13.04.22	Sophie Fisher	DESIGNED
13.04.22	Sophie Fisher	DRAWN
19.04.22	Steve Sutton	CAD REVIEW
19.04.22	Lisa Rimmer	DESIGN CHECK
19.04.22	Gavin Lister	DESIGN REVIEW
13.10.23	Jon England	APPROVED

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
SHEET 1

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C1000
Rev.	G



LEGEND	
GENERAL	RESTORATION* (BEYOND PROJECT EARTHWORKS)
EXISTING PROPERTY BOUNDARY	LOW VEGETATION
TEMPORARY WORKS AREA	TALL SCREEN PLANTING
PROPOSED DESIGNATION BOUNDARY	RE-ESTABLISHED TALL FOREST
EXISTING STREAM	WETLAND
SPOIL SITE	RE-VEGETATED SCARP
SHARED USE PATH	RIPARIAN MARGIN
PROPERTY ACCESS	WET FOREST PLANTING
ROCK REVETMENT	ENRICHMENT PLANTING
TREES*	REHABILITATION* (OVER PROJECT EARTHWORKS)
TREE AVENUES	GRASS
TREE STANDS AT INTERSECTIONS	LOW VEGETATION
ECOLOGY MITIGATION AND OFFSETTING	TALL SCREEN PLANTING
TERRESTRIAL OFFSETTING SITES	RE-ESTABLISHED TALL FOREST
WETLAND OFFSETTING SITES	SWALE PLANTING (NOTE: SWALE SHOWN DIAGRAMMATICALLY. SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
TERRESTRIAL BUFFER PLANTING	NATURALISED STORMWATER POND
RIPARIAN / FRESHWATER OFFSETTING SITES (AREAS TO BE CONFIRMED)	MATERIAL SUPPLY SITES
RIPARIAN / FRESHWATER - MITIGATION PLANTING (AREAS TO BE CONFIRMED)	* TO ADDRESS LANDSCAPE, VISUAL AND NATURAL CHARACTER EFFECTS

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F	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
E	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
D	VARIOUS UPDATES - ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22
C	QUEEN STREET AND ACCOMMODATION WORKS ADDED. LEGEND UPDATED	MH	JP	JP	21.09.22
B	ISSUED FOR RMA CONSENT	SS	JP	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	GL	JP	20.04.22

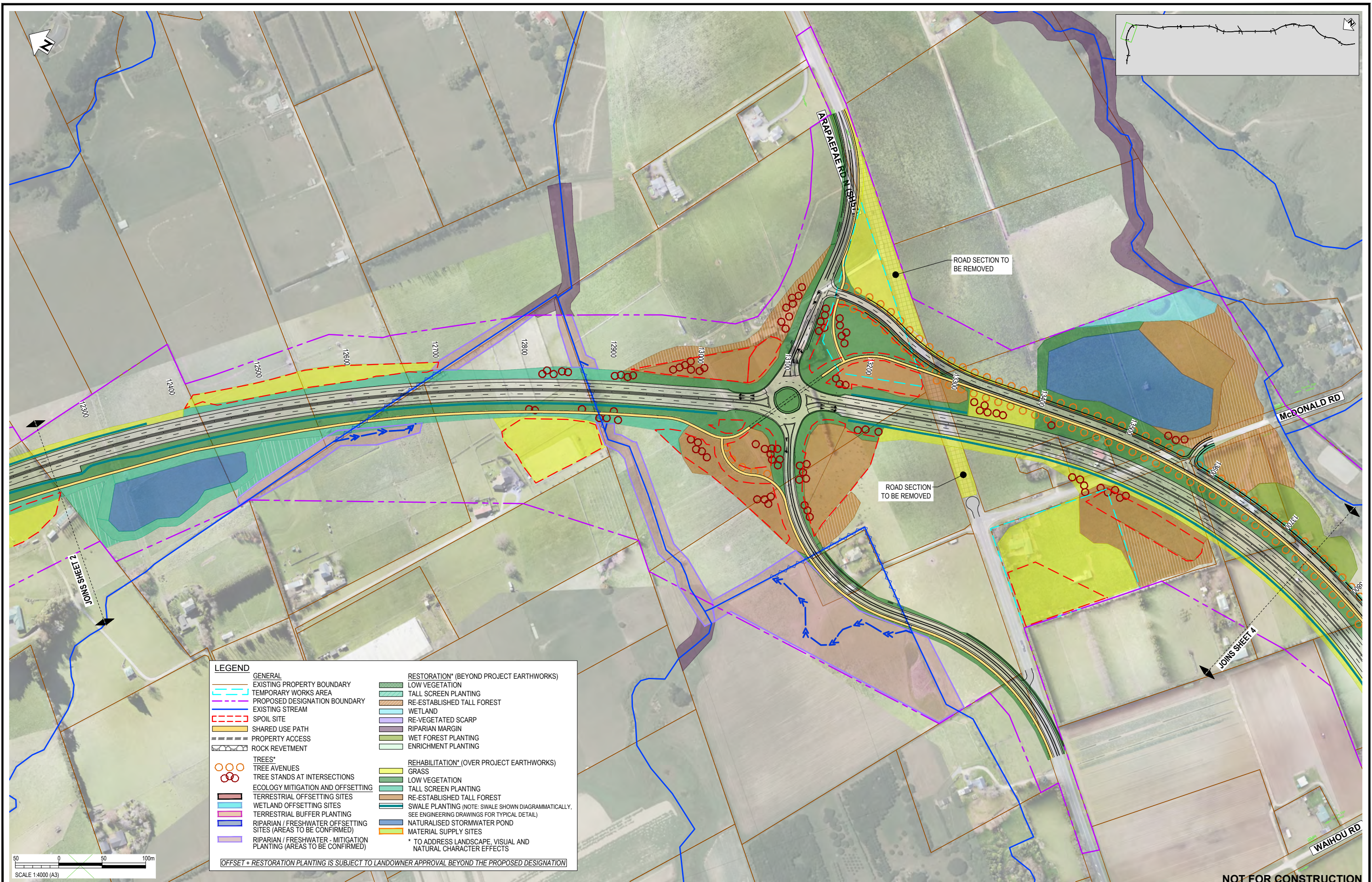
SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED
	Sophie Fisher	Sophie Fisher	Steve Sutton	Lisa Rimmer	Gavin Lister	Jon England

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
SHEET 2

Status Stamp
FOR CONSENT
Date Stamp: 13.10.23
Scale: 1 : 4000 (A3)
Drawing No: 310203848-01-700-C1001
Rev: G



LEGEND	
—	GENERAL EXISTING PROPERTY BOUNDARY
—	TEMPORARY WORKS AREA
—	PROPOSED DESIGNATION BOUNDARY
—	EXISTING STREAM
---	SPOIL SITE
---	SHARED USE PATH
---	PROPERTY ACCESS
---	ROCK REVETMENT
○ ○ ○ ○	TREES*
○ ○ ○ ○	TREE AVENUES
○ ○ ○ ○	TREE STANDS AT INTERSECTIONS
■	ECOLOGY MITIGATION AND OFFSETTING
■	TERRESTRIAL OFFSETTING SITES
■	WETLAND OFFSETTING SITES
■	TERRESTRIAL BUFFER PLANTING
■	RIPARIAN / FRESHWATER OFFSETTING SITES (AREAS TO BE CONFIRMED)
■	RIPARIAN / FRESHWATER - MITIGATION PLANTING (AREAS TO BE CONFIRMED)
■	RESTORATION* (BEYOND PROJECT EARTHWORKS)
■	LOW VEGETATION
■	TALL SCREEN PLANTING
■	RE-ESTABLISHED TALL FOREST
■	WETLAND
■	RE-VEGETATED SCARP
■	RIPARIAN MARGIN
■	WET FOREST PLANTING
■	ENRICHMENT PLANTING
■	REHABILITATION* (OVER PROJECT EARTHWORKS)
■	GRASS
■	LOW VEGETATION
■	TALL SCREEN PLANTING
■	RE-ESTABLISHED TALL FOREST
■	SWALE PLANTING (NOTE: SWALE SHOWN DIAGRAMMATICALLY. SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
■	NATURALISED STORMWATER POND
■	MATERIAL SUPPLY SITES
* TO ADDRESS LANDSCAPE, VISUAL AND NATURAL CHARACTER EFFECTS	

OFFSET + RESTORATION PLANTING IS SUBJECT TO LANDOWNER APPROVAL BEYOND THE PROPOSED DESIGNATION



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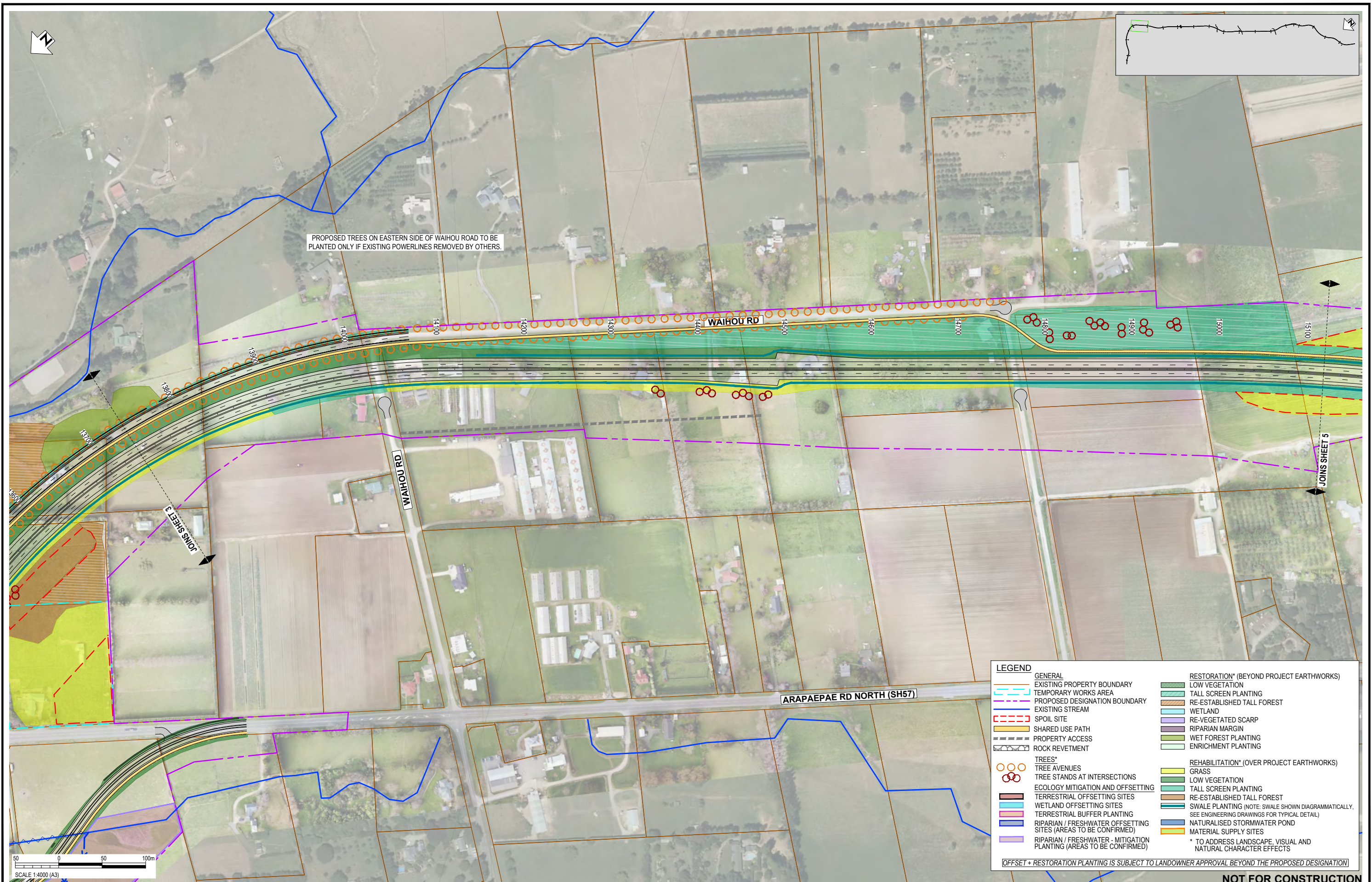
SURVEYED	DATE	BY
DESIGNED	13.04.22	Sophie Fisher
DRAWN	13.04.22	Sophie Fisher
CAD REVIEW	19.04.22	Steve Sutton
DESIGN CHECK	19.04.22	Lisa Rimmer
DESIGN REVIEW	19.04.22	Gavin Lister
APPROVED	13.10.23	Jon England



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PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
SHEET 3

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Drawing No.	310203848-01-700-C1002
Rev.	G



LEGEND	
GENERAL	RESTORATION* (BEYOND PROJECT EARTHWORKS)
EXISTING PROPERTY BOUNDARY	LOW VEGETATION
TEMPORARY WORKS AREA	TALL SCREEN PLANTING
PROPOSED DESIGNATION BOUNDARY	RE-ESTABLISHED TALL FOREST
EXISTING STREAM	WETLAND
SPOIL SITE	RE-VEGETATED SCARP
SHARED USE PATH	RIPARIAN MARGIN
PROPERTY ACCESS	WET FOREST PLANTING
ROCK REVETMENT	ENRICHMENT PLANTING
TREES*	REHABILITATION* (OVER PROJECT EARTHWORKS)
TREE AVENUES	GRASS
TREE STANDS AT INTERSECTIONS	LOW VEGETATION
ECOLOGY MITIGATION AND OFFSETTING	TALL SCREEN PLANTING
TERRESTRIAL OFFSETTING SITES	RE-ESTABLISHED TALL FOREST
WETLAND OFFSETTING SITES	SWALE PLANTING (NOTE: SWALE SHOWN DIAGRAMMATICALLY. SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
TERRESTRIAL BUFFER PLANTING	NATURALISED STORMWATER POND
RIPARIAN / FRESHWATER OFFSETTING SITES (AREAS TO BE CONFIRMED)	MATERIAL SUPPLY SITES
RIPARIAN / FRESHWATER - MITIGATION PLANTING (AREAS TO BE CONFIRMED)	* TO ADDRESS LANDSCAPE, VISUAL AND NATURAL CHARACTER EFFECTS

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E	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
D	VARIOUS UPDATES - ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22
C	QUEEN STREET AND ACCOMMODATION WORKS ADDED. LEGEND UPDATED	MH	JP	JP	21.09.22
B	ISSUED FOR RMA CONSENT	SS	JP	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	GL	JP	20.04.22

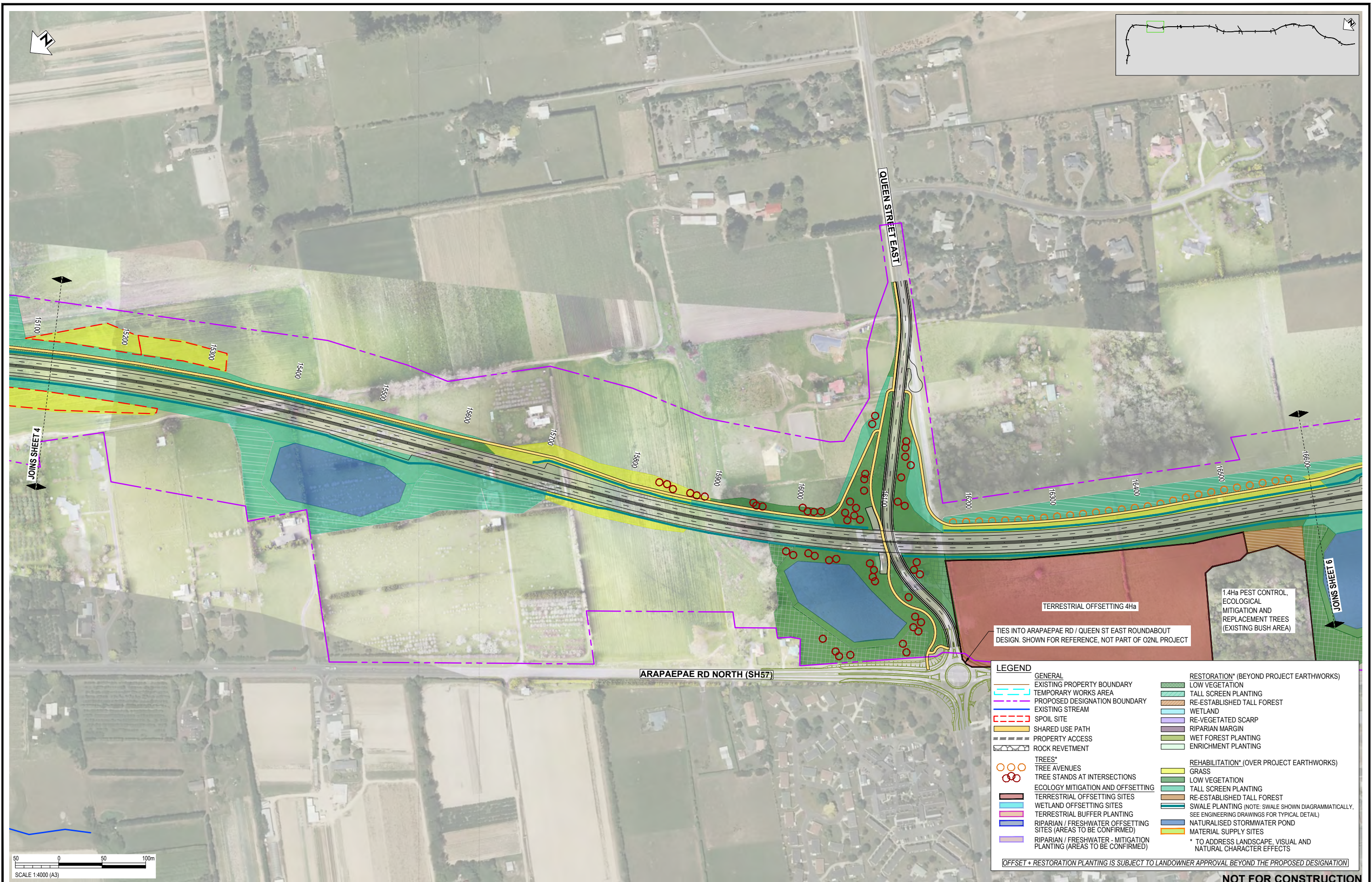
SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED
	Sophie Fisher	Sophie Fisher	Steve Sutton	Lisa Rimmer	Gavin Lister	Jon England



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PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
SHEET 4

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C1003
Rev.	G



LEGEND	
GENERAL	RESTORATION* (BEYOND PROJECT EARTHWORKS)
EXISTING PROPERTY BOUNDARY	LOW VEGETATION
TEMPORARY WORKS AREA	TALL SCREEN PLANTING
PROPOSED DESIGNATION BOUNDARY	RE-ESTABLISHED TALL FOREST
EXISTING STREAM	WETLAND
SPOIL SITE	RE-VEGETATED SCARP
SHARED USE PATH	RIPIARIAN MARGIN
PROPERTY ACCESS	WET FOREST PLANTING
ROCK REVETMENT	ENRICHMENT PLANTING
TREES*	REHABILITATION* (OVER PROJECT EARTHWORKS)
TREE AVENUES	GRASS
TREE STANDS AT INTERSECTIONS	LOW VEGETATION
ECOLOGY MITIGATION AND OFFSETTING	TALL SCREEN PLANTING
TERRESTRIAL OFFSETTING SITES	RE-ESTABLISHED TALL FOREST
WETLAND OFFSETTING SITES	SWALE PLANTING (NOTE: SWALE SHOWN DIAGMATICALLY. SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
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RIPIARIAN / FRESHWATER OFFSETTING SITES (AREAS TO BE CONFIRMED)	MATERIAL SUPPLY SITES
RIPIARIAN / FRESHWATER - MITIGATION PLANTING (AREAS TO BE CONFIRMED)	

* TO ADDRESS LANDSCAPE, VISUAL AND NATURAL CHARACTER EFFECTS

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E	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
D	VARIOUS UPDATES - ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22
C	QUEEN STREET AND ACCOMMODATION WORKS ADDED. LEGEND UPDATED	MH	JP	JP	21.09.22
B	ISSUED FOR RMA CONSENT	SS	JP	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	GL	JP	20.04.22

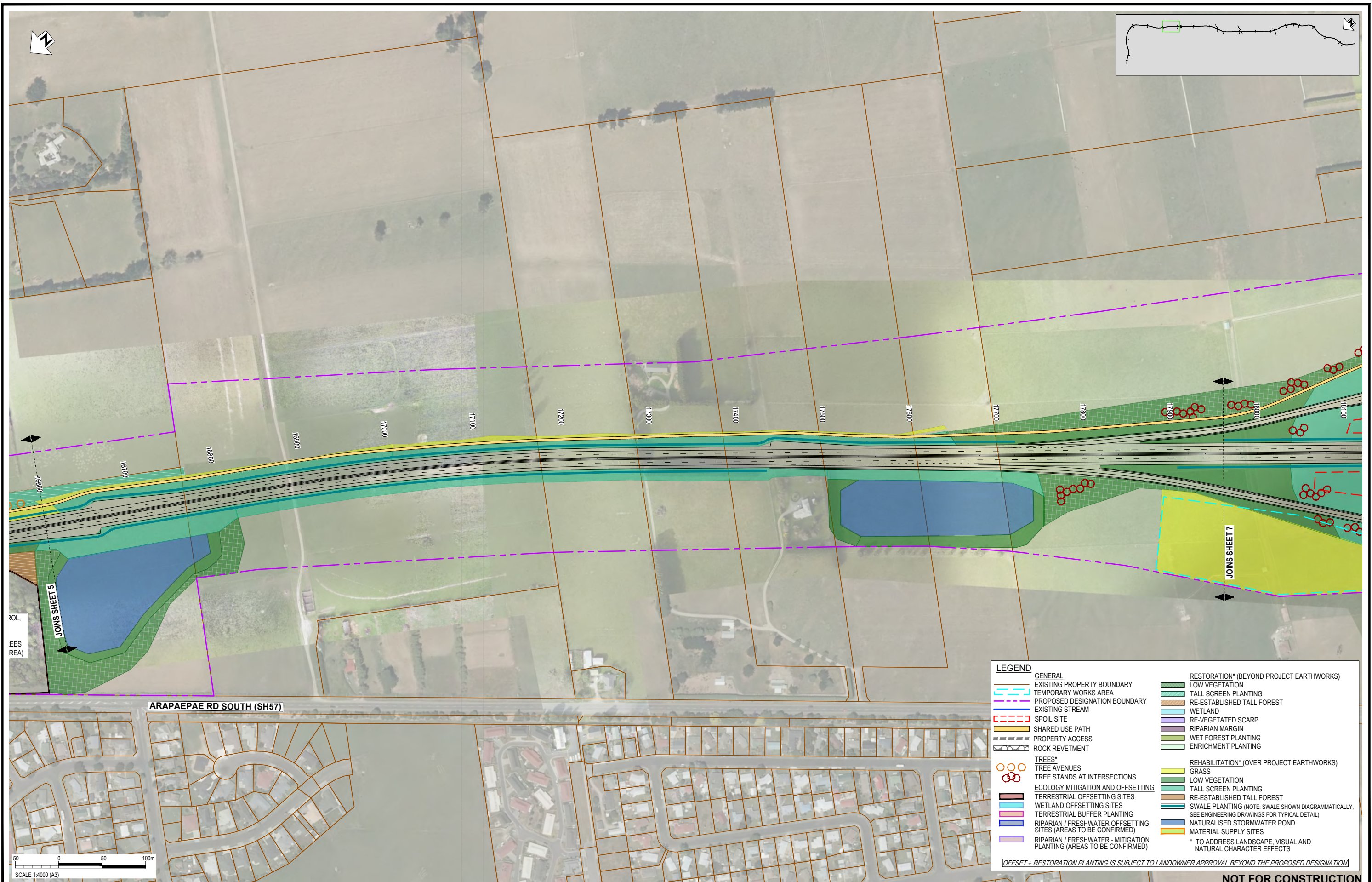
SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED
	Sophie Fisher	Sophie Fisher	Steve Sutton	Lisa Rimmer	Gavin Lister	Jon England

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
SHEET 5

FOR CONSENT	
Status Stamp	13.10.23
Date Stamp	13.10.23
Scale: 1 : 4000 (A3)	
Drawing No. 310203848-01-700-C1004	Rev. G



LEGEND	
GENERAL	RESTORATION* (BEYOND PROJECT EARTHWORKS)
EXISTING PROPERTY BOUNDARY	LOW VEGETATION
TEMPORARY WORKS AREA	TALL SCREEN PLANTING
PROPOSED DESIGNATION BOUNDARY	RE-ESTABLISHED TALL FOREST
EXISTING STREAM	WETLAND
SPOIL SITE	RE-VEGETATED SCARP
SHARED USE PATH	RIPARIAN MARGIN
PROPERTY ACCESS	WET FOREST PLANTING
ROCK REVETMENT	ENRICHMENT PLANTING
TREES*	REHABILITATION* (OVER PROJECT EARTHWORKS)
TREE AVENUES	GRASS
TREE STANDS AT INTERSECTIONS	LOW VEGETATION
ECOLOGY MITIGATION AND OFFSETTING	TALL SCREEN PLANTING
TERRESTRIAL OFFSETTING SITES	RE-ESTABLISHED TALL FOREST
WETLAND OFFSETTING SITES	SWALE PLANTING (NOTE: SWALE SHOWN DIAGRAMMATICALLY. SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
TERRESTRIAL BUFFER PLANTING	NATURALISED STORMWATER POND
RIPARIAN / FRESHWATER OFFSETTING SITES (AREAS TO BE CONFIRMED)	MATERIAL SUPPLY SITES
RIPARIAN / FRESHWATER - MITIGATION PLANTING (AREAS TO BE CONFIRMED)	* TO ADDRESS LANDSCAPE, VISUAL AND NATURAL CHARACTER EFFECTS

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H	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
G	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
F	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
E	EAST-WEST ARTERIAL DESIGN REMOVED	MH	JP	JP	18.10.22
D	VARIOUS UPDATES - ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22
C	QUEEN STREET AND ACCOMMODATION WORKS ADDED. LEGEND UPDATED	MH	JP	JP	21.09.22
B	ISSUED FOR RMA CONSENT	SS	JP	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	GL	JP	20.04.22

SURVEYED		
DESIGNED	Sophie Fisher	13.04.22
DRAWN	Sophie Fisher	13.04.22
CAD REVIEW	Steve Sutton	19.04.22
DESIGN CHECK	Lisa Rimmer	19.04.22
DESIGN REVIEW	Gavin Lister	19.04.22
APPROVED	Jon England	13.10.23

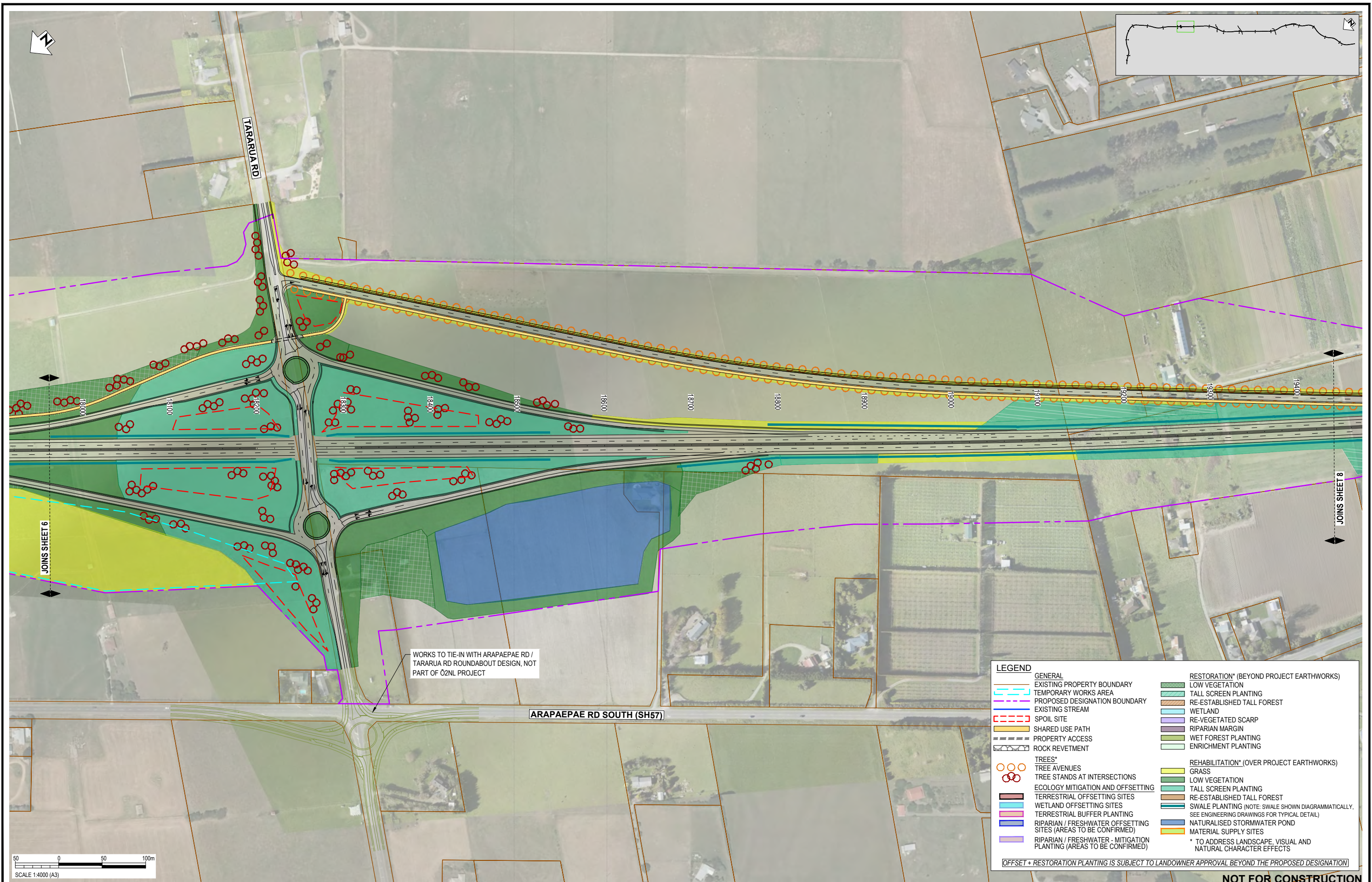
Client:




WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
SHEET 6

FOR CONSENT	
Status Stamp	13.10.23
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C1005
Rev.	H



REV	DESCRIPTION	DRN	CHK	APP	DATE
G	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
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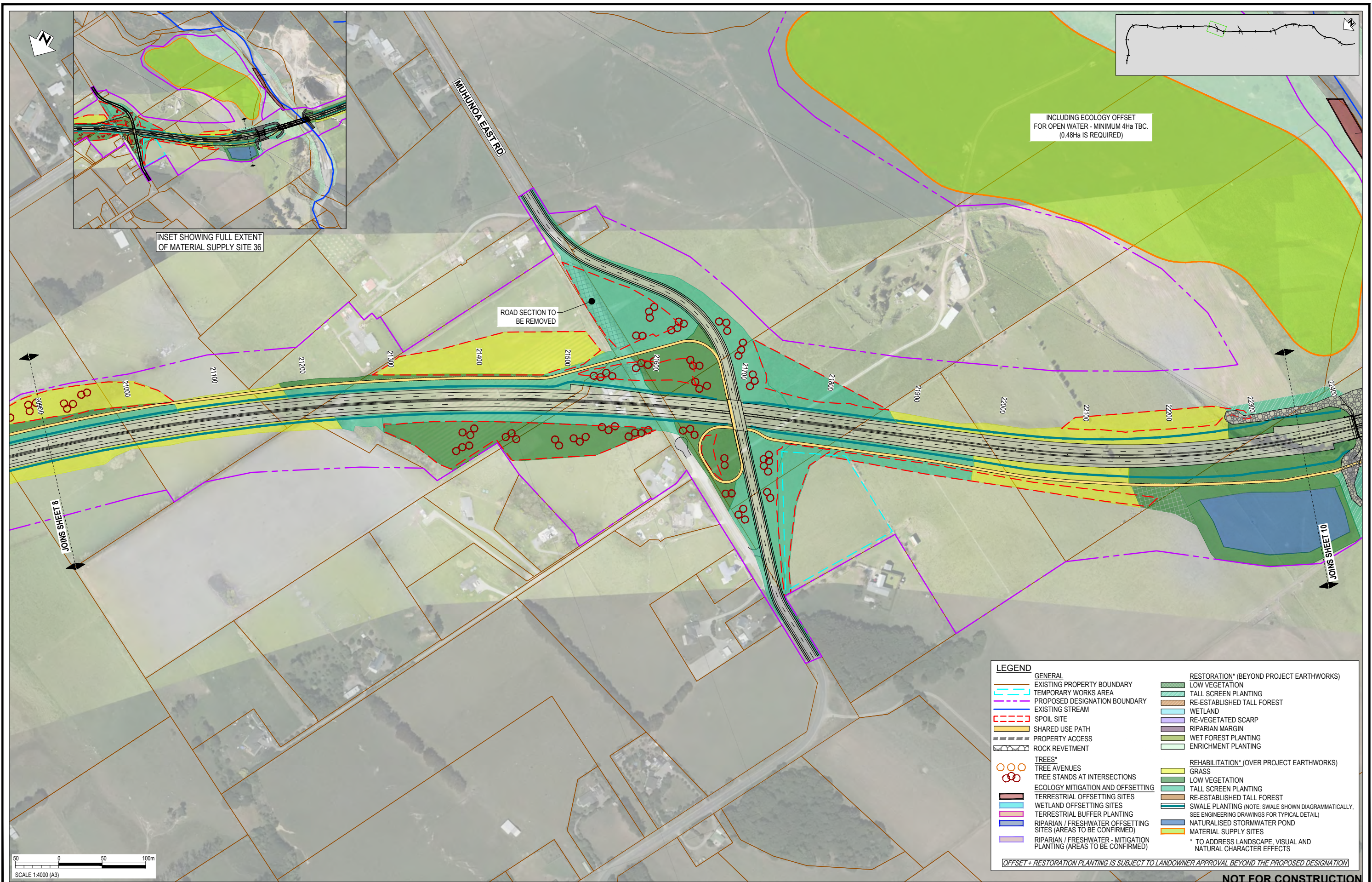
SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED	PROF REGISTRATION:
	Sophie Fisher	Sophie Fisher	Steve Sutton	Lisa Rimmer	Gavin Lister	Jon England	

Client:

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PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
SHEET 7

Status Stamp	FOR CONSENT
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Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C1006
Rev.	G



INCLUDING ECOLOGY OFFSET
FOR OPEN WATER - MINIMUM 4Ha TBC.
(0.48Ha IS REQUIRED)

INSET SHOWING FULL EXTENT
OF MATERIAL SUPPLY SITE 36

ROAD SECTION TO
BE REMOVED

JOINS SHEET 8

JOINS SHEET 10

LEGEND	
GENERAL	RESTORATION* (BEYOND PROJECT EARTHWORKS)
EXISTING PROPERTY BOUNDARY	LOW VEGETATION
TEMPORARY WORKS AREA	TALL SCREEN PLANTING
PROPOSED DESIGNATION BOUNDARY	RE-ESTABLISHED TALL FOREST
EXISTING STREAM	WETLAND
SPOIL SITE	RE-VEGETATED SCARP
SHARED USE PATH	RIPARIAN MARGIN
PROPERTY ACCESS	WET FOREST PLANTING
ROCK REVETMENT	ENRICHMENT PLANTING
TREES*	REHABILITATION* (OVER PROJECT EARTHWORKS)
TREE AVENUES	GRASS
TREE STANDS AT INTERSECTIONS	LOW VEGETATION
ECOLOGY MITIGATION AND OFFSETTING	TALL SCREEN PLANTING
TERRESTRIAL OFFSETTING SITES	RE-ESTABLISHED TALL FOREST
WETLAND OFFSETTING SITES	SWALE PLANTING (NOTE: SWALE SHOWN DIAGRAMMATICALLY. SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
TERRESTRIAL BUFFER PLANTING	NATURALISED STORMWATER POND
RIPARIAN / FRESHWATER OFFSETTING SITES (AREAS TO BE CONFIRMED)	MATERIAL SUPPLY SITES
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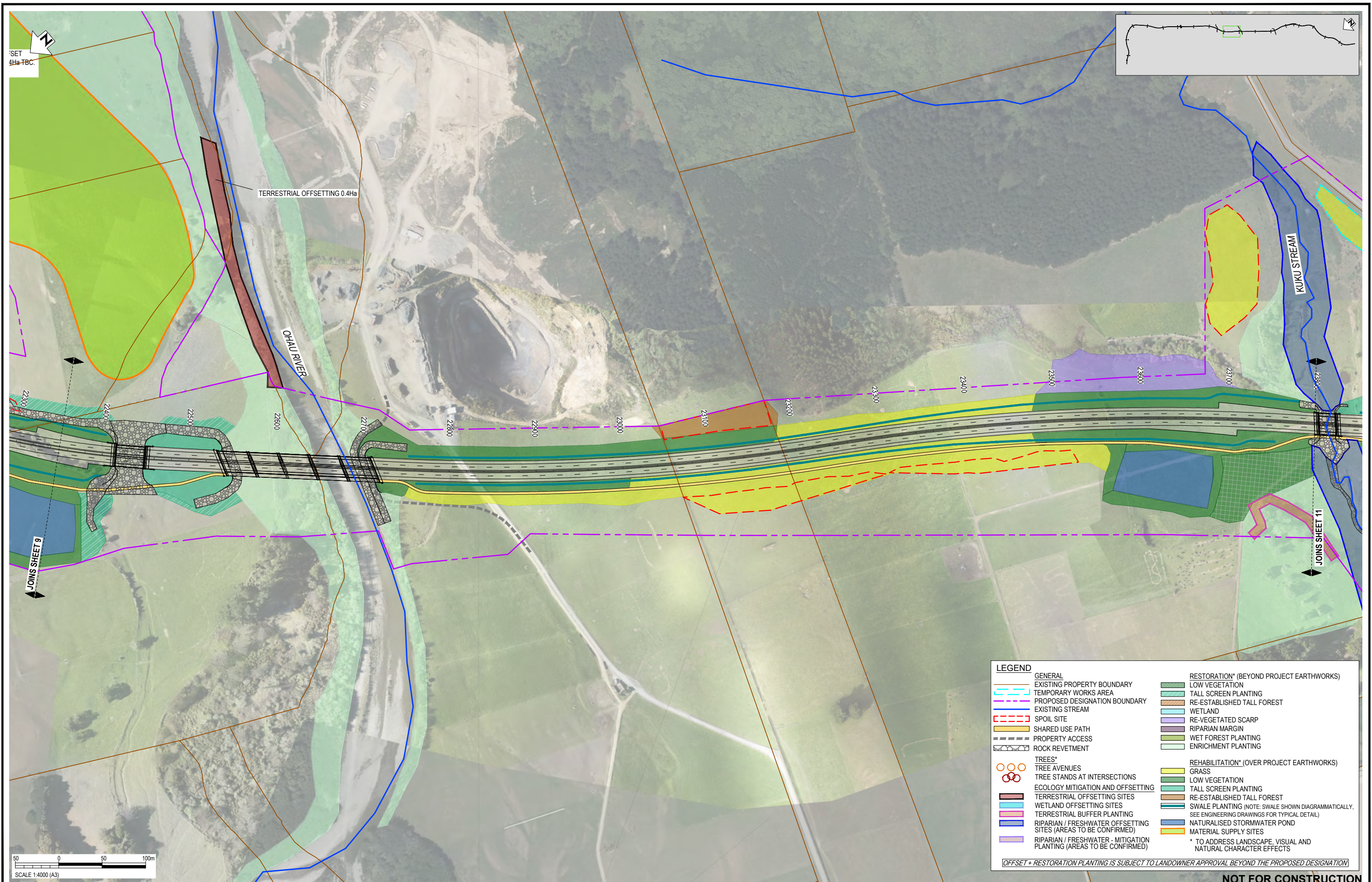
STATUS	NAME	DATE
SURVEYED		
DESIGNED	Sophie Fisher	13.04.22
DRAWN	Sophie Fisher	13.04.22
CAD REVIEW	Steve Sutton	19.04.22
DESIGN CHECK	Lisa Rimmer	19.04.22
DESIGN REVIEW	Gavin Lister	19.04.22
APPROVED	Jon England	13.10.23
PROF REGISTRATION:		



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PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
SHEET 9

Status Stamp	FOR CONSENT
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Drawing No.	310203848-01-700-C1008
Rev.	G



REV	DESCRIPTION	DRN	CHK	APP	DATE
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C	QUEEN STREET AND ACCOMMODATION WORKS ADDED. LEGEND UPDATED	MH	JP	JP	21.09.22
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APPROVED	Jon England	13.10.23
PROF REGISTRATION:		

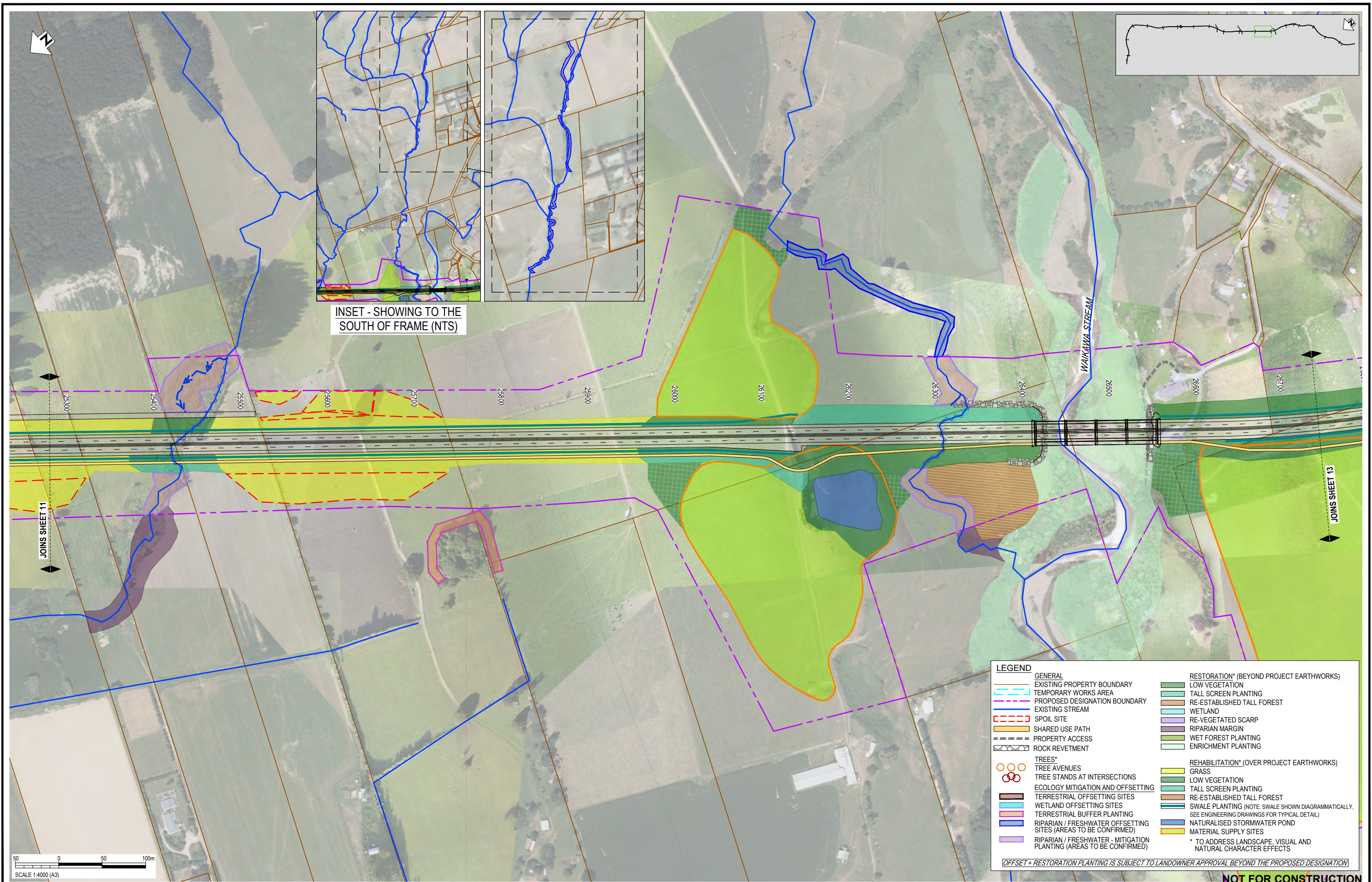
Client:




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PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
 SHEET 10

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C1009
Rev.	G



INSET - SHOWING TO THE SOUTH OF FRAME (NTS)

LEGEND	
GENERAL	RESTORATION* (BEYOND PROJECT EARTHWORKS)
EXISTING PROPERTY BOUNDARY	LOW VEGETATION
TEMPORARY WORKS AREA	TALL SCREEN PLANTING
PROPOSED DESIGNATION BOUNDARY	RE-ESTABLISHED TALL FOREST
EXISTING STREAM	WETLAND
SPOIL SITE	RE-VEGETATED SCARP
SHARED USE PATH	RIPARIAN MARGIN
PROPERTY ACCESS	WET FOREST PLANTING
ROCK REVETMENT	ENRICHMENT PLANTING
TREES*	REHABILITATION* (OVER PROJECT EARTHWORKS)
TREE AVENUES	GRASS
TREE STANDS AT INTERSECTIONS	LOW VEGETATION
ECOLOGY MITIGATION AND OFFSETTING	TALL SCREEN PLANTING
TERRESTRIAL OFFSETTING SITES	RE-ESTABLISHED TALL FOREST
WETLAND OFFSETTING SITES	SWALE PLANTING (NOTE: SWALE SHOWN DIAGRAMMATICALLY. SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
TERRESTRIAL BUFFER PLANTING	NATURALISED STORMWATER POND
RIPARIAN / FRESHWATER OFFSETTING SITES (AREAS TO BE CONFIRMED)	MATERIAL SUPPLY SITES
RIPARIAN / FRESHWATER - MITIGATION PLANTING (AREAS TO BE CONFIRMED)	* TO ADDRESS LANDSCAPE, VISUAL AND NATURAL CHARACTER EFFECTS

OFFSET + RESTORATION PLANTING IS SUBJECT TO LANDOWNER APPROVAL BEYOND THE PROPOSED DESIGNATION

NOT FOR CONSTRUCTION

REV	REVISIONS	DRN	CHK	APP	DATE
G	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
F	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
E	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
D	VARIOUS UPDATES - ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22
C	QUEEN STREET AND ACCOMMODATION WORKS ADDED. LEGEND UPDATED	MH	JP	JP	21.09.22
B	ISSUED FOR RMA CONSENT	SS	JP	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	GL	JP	20.04.22

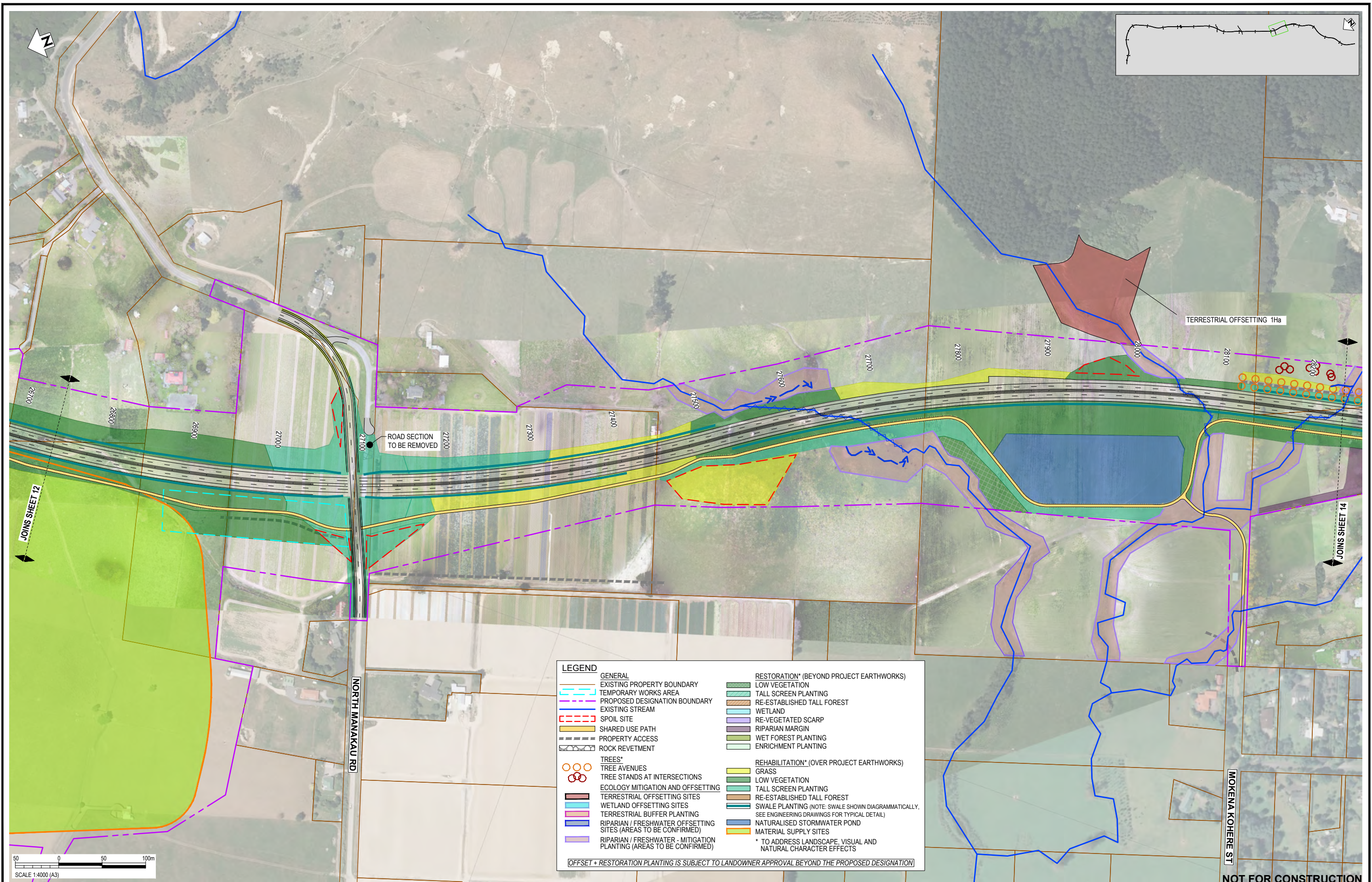
SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED
	Sophie Fisher	Sophie Fisher	Steve Sutton	Lisa Rimmer	Gavin Lister	Jon England



WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
SHEET 12

FOR CONSENT	
Status Stamp	13.10.23
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C1011
Rev.	G



LEGEND	
GENERAL	RESTORATION* (BEYOND PROJECT EARTHWORKS)
EXISTING PROPERTY BOUNDARY	LOW VEGETATION
TEMPORARY WORKS AREA	TALL SCREEN PLANTING
PROPOSED DESIGNATION BOUNDARY	RE-ESTABLISHED TALL FOREST
EXISTING STREAM	WETLAND
SPOIL SITE	RE-VEGETATED SCARP
SHARED USE PATH	RIPARIAN MARGIN
PROPERTY ACCESS	WET FOREST PLANTING
ROCK REVETMENT	ENRICHMENT PLANTING
TREES*	REHABILITATION* (OVER PROJECT EARTHWORKS)
TREE AVENUES	GRASS
TREE STANDS AT INTERSECTIONS	LOW VEGETATION
ECOLOGY MITIGATION AND OFFSETTING	TALL SCREEN PLANTING
TERRESTRIAL OFFSETTING SITES	RE-ESTABLISHED TALL FOREST
WETLAND OFFSETTING SITES	SWALE PLANTING (NOTE: SWALE SHOWN DIAGRAMMATICALLY. SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
TERRESTRIAL BUFFER PLANTING	NATURALISED STORMWATER POND
RIPARIAN / FRESHWATER OFFSETTING SITES (AREAS TO BE CONFIRMED)	MATERIAL SUPPLY SITES
RIPARIAN / FRESHWATER - MITIGATION PLANTING (AREAS TO BE CONFIRMED)	

* TO ADDRESS LANDSCAPE, VISUAL AND NATURAL CHARACTER EFFECTS

OFFSET + RESTORATION PLANTING IS SUBJECT TO LANDOWNER APPROVAL BEYOND THE PROPOSED DESIGNATION

REV	DESCRIPTION	DRN	CHK	APP	DATE
G	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
F	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
E	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
D	VARIOUS UPDATES - ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22
C	QUEEN STREET AND ACCOMMODATION WORKS ADDED. LEGEND UPDATED	MH	JP	JP	21.09.22
B	ISSUED FOR RMA CONSENT	SS	JP	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	GL	JP	20.04.22

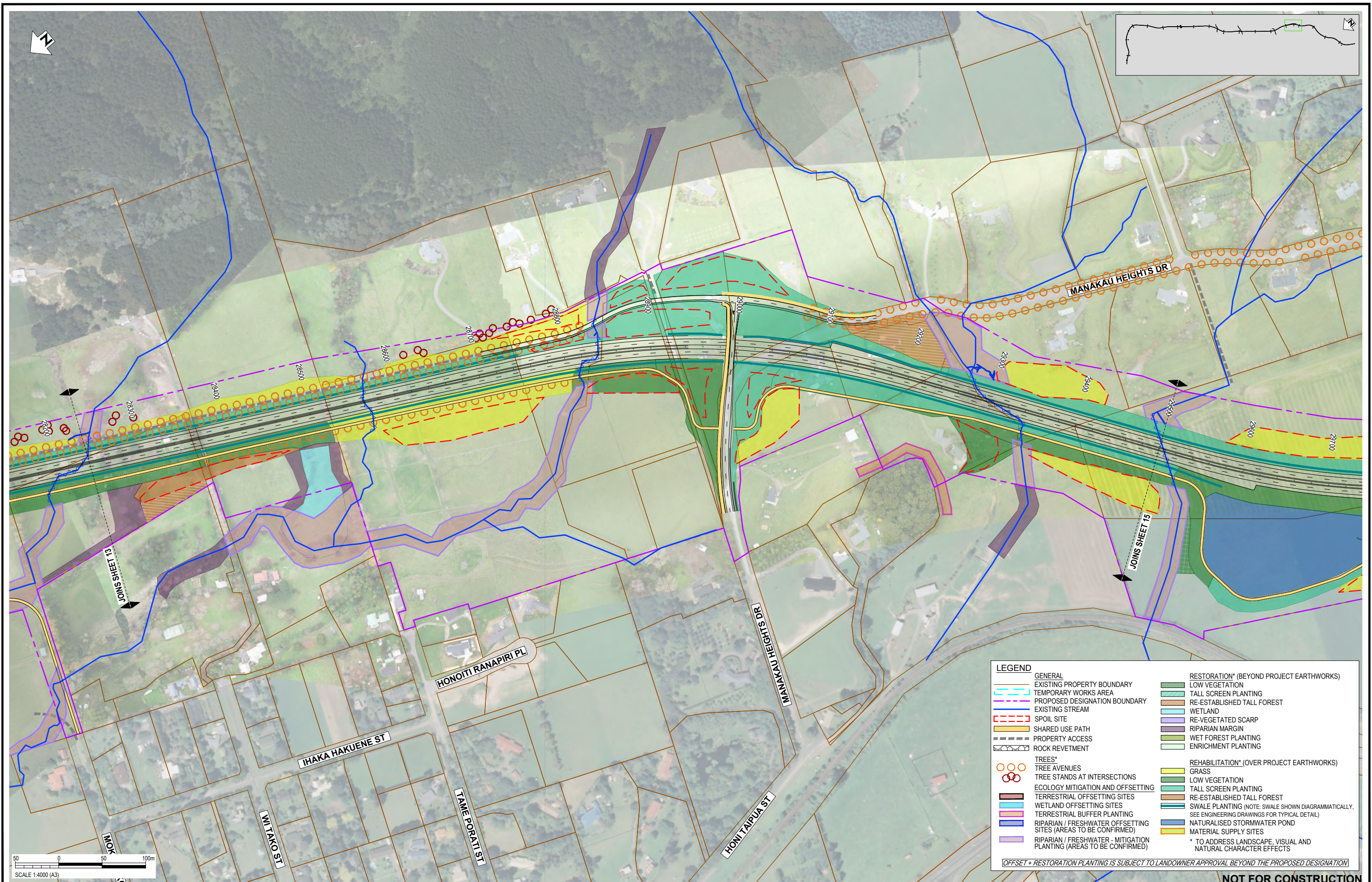
SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED
	Sophie Fisher	Sophie Fisher	Steve Sutton	Lisa Rimmer	Avin Lister	Jon England

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
SHEET 13

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C1012
Rev.	G



LEGEND	
GENERAL	RESTORATION* (BEYOND PROJECT EARTHWORKS)
EXISTING PROPERTY BOUNDARY	LOW VEGETATION
TEMPORARY WORKS AREA	TALL SCREEN PLANTING
PROPOSED DESIGNATION BOUNDARY	RE-ESTABLISHED TALL FOREST
EXISTING STREAM	WETLAND
SPOIL SITE	RE-VEGETATED SCARP
SHARED USE PATH	RIPARIAN MARGIN
PROPERTY ACCESS	WET FOREST PLANTING
ROCK REVETMENT	ENRICHMENT PLANTING
TREES*	REHABILITATION* (OVER PROJECT EARTHWORKS)
TREE AVENUES	GRASS
TREE STANDS AT INTERSECTIONS	LOW VEGETATION
ECOLOGY MITIGATION AND OFFSETTING	TALL SCREEN PLANTING
TERRESTRIAL OFFSETTING SITES	RE-ESTABLISHED TALL FOREST
WETLAND OFFSETTING SITES	SWALE PLANTING (NOTE: SWALE SHOWN DIAGRAMMATICALLY. SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
TERRESTRIAL BUFFER PLANTING	NATURALISED STORMWATER POND
RIPARIAN / FRESHWATER OFFSETTING SITES (AREAS TO BE CONFIRMED)	MATERIAL SUPPLY SITES
RIPARIAN / FRESHWATER - MITIGATION PLANTING (AREAS TO BE CONFIRMED)	* TO ADDRESS LANDSCAPE, VISUAL AND NATURAL CHARACTER EFFECTS

REV	REVISIONS	DRN	CHK	APP	DATE
G	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
F	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
E	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
D	VARIOUS UPDATES - ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22
C	QUEEN STREET AND ACCOMMODATION WORKS ADDED. LEGEND UPDATED	MH	JP	JP	21.09.22
B	ISSUED FOR RMA CONSENT	SS	JP	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	GL	JP	20.04.22

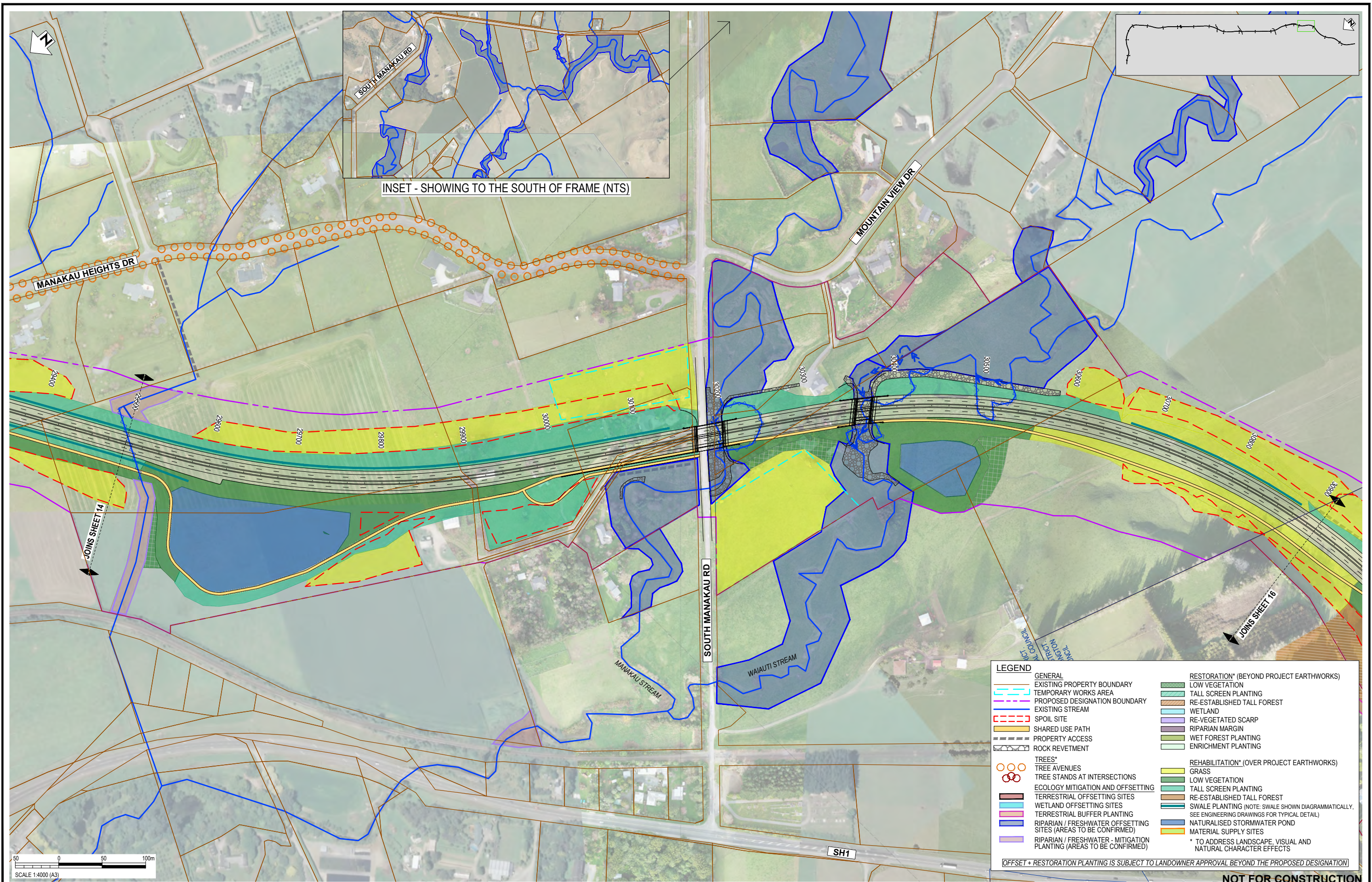
SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED
	Sophie Fisher	Sophie Fisher	Steve Sutton	Lisa Rimmer	Gavin Lister	Jon England
	13.04.22	13.04.22	19.04.22	19.04.22	19.04.22	13.10.23

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
SHEET 14

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C1013
Rev.	G



INSET - SHOWING TO THE SOUTH OF FRAME (NTS)

LEGEND	
GENERAL	RESTORATION* (BEYOND PROJECT EARTHWORKS)
EXISTING PROPERTY BOUNDARY	LOW VEGETATION
TEMPORARY WORKS AREA	TALL SCREEN PLANTING
PROPOSED DESIGNATION BOUNDARY	RE-ESTABLISHED TALL FOREST
EXISTING STREAM	WETLAND
SPOIL SITE	RE-VEGETATED SCARP
SHARED USE PATH	RIPARIAN MARGIN
PROPERTY ACCESS	WET FOREST PLANTING
ROCK REVETMENT	ENRICHMENT PLANTING
TREES*	REHABILITATION* (OVER PROJECT EARTHWORKS)
TREE AVENUES	GRASS
TREE STANDS AT INTERSECTIONS	LOW VEGETATION
ECOLOGY MITIGATION AND OFFSETTING	TALL SCREEN PLANTING
TERRESTRIAL OFFSETTING SITES	RE-ESTABLISHED TALL FOREST
WETLAND OFFSETTING SITES	SWALE PLANTING (NOTE: SWALE SHOWN DIAGRAMMATICALLY. SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
TERRESTRIAL BUFFER PLANTING	NATURALISED STORMWATER POND
RIPARIAN / FRESHWATER OFFSETTING SITES (AREAS TO BE CONFIRMED)	MATERIAL SUPPLY SITES
RIPARIAN / FRESHWATER - MITIGATION PLANTING (AREAS TO BE CONFIRMED)	* TO ADDRESS LANDSCAPE, VISUAL AND NATURAL CHARACTER EFFECTS

OFFSET + RESTORATION PLANTING IS SUBJECT TO LANDOWNER APPROVAL BEYOND THE PROPOSED DESIGNATION

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DRN	CHK	APP	DATE
G	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
F	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
E	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
D	VARIOUS UPDATES - ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22
C	QUEEN STREET AND ACCOMMODATION WORKS ADDED. LEGEND UPDATED	MH	JP	JP	21.09.22
B	ISSUED FOR RMA CONSENT	SS	JP	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	GL	JP	20.04.22

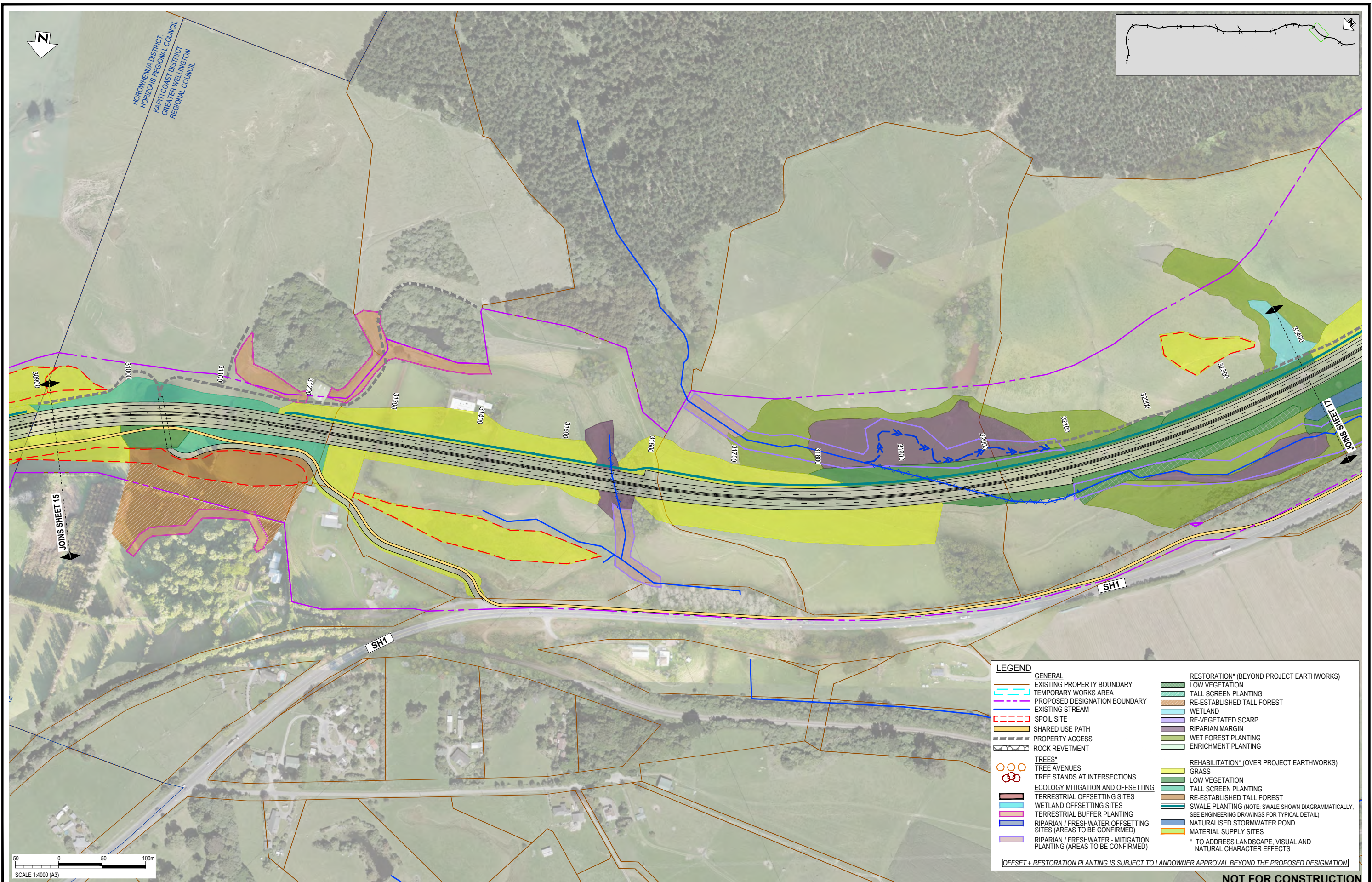
SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED
	Sophie Fisher	Sophie Fisher	Steve Sutton	Lisa Rammer	Gavin Lister	Jon England

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
SHEET 15

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C1014
Rev.	G



REV	DESCRIPTION	DRN	CHK	APP	DATE
G	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
F	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
E	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
D	VARIOUS UPDATES - ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22
C	QUEEN STREET AND ACCOMMODATION WORKS ADDED. LEGEND UPDATED	MH	JP	JP	21.09.22
B	ISSUED FOR RMA CONSENT	SS	JP	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	GL	JP	20.04.22

SURVEYED	DATE
DESIGNED	Sophie Fisher 13.04.22
DRAWN	Sophie Fisher 13.04.22
CAD REVIEW	Steve Sutton 19.04.22
DESIGN CHECK	Lisa Rimmer 19.04.22
DESIGN REVIEW	Gavin Lister 19.04.22
APPROVED	Jon England 13.10.23

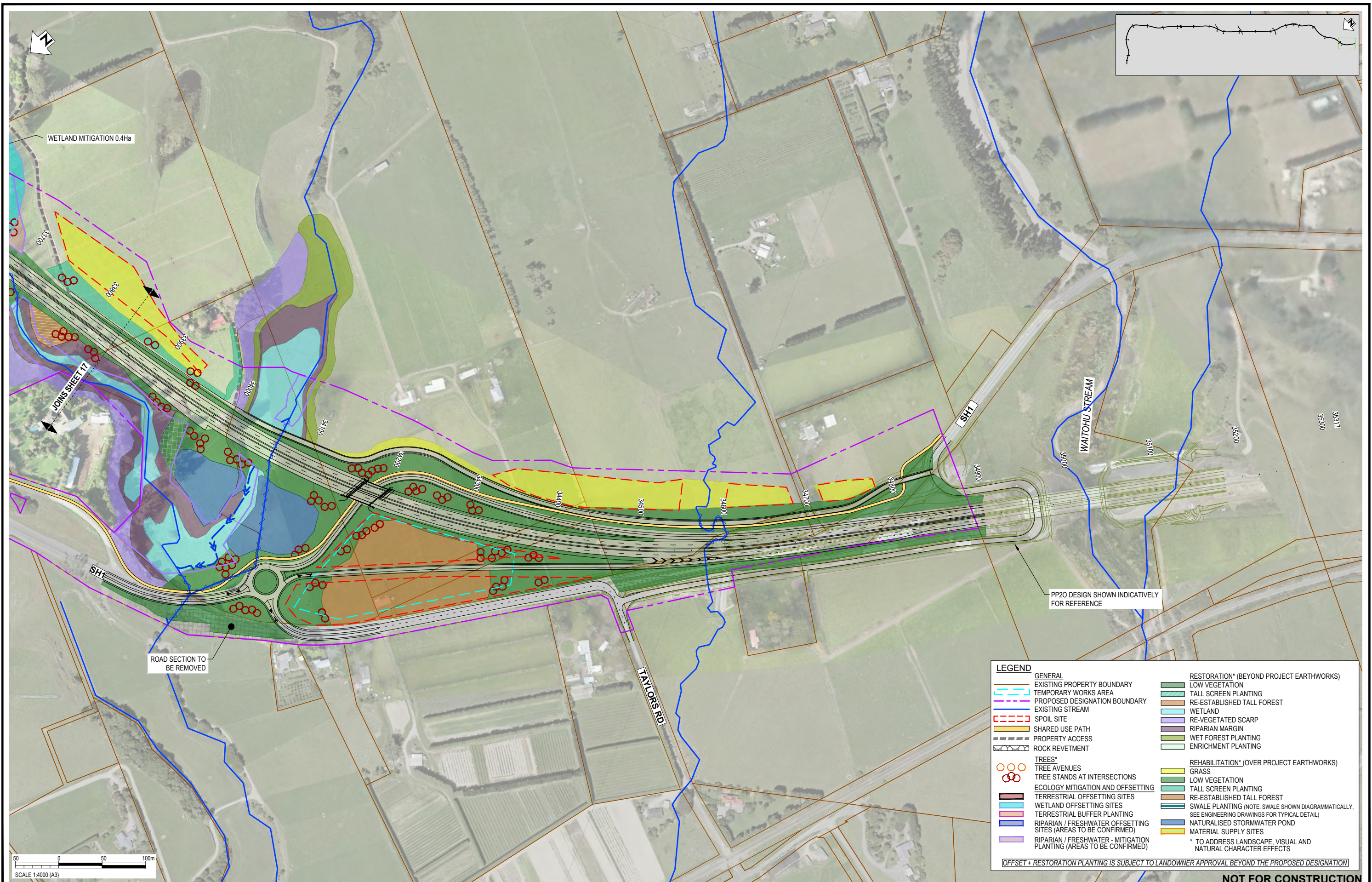
Client:




WAKA KOTAHI
 OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
 SHEET 16

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C1015
Rev.	G



LEGEND	
GENERAL	RESTORATION* (BEYOND PROJECT EARTHWORKS)
EXISTING PROPERTY BOUNDARY	LOW VEGETATION
TEMPORARY WORKS AREA	TALL SCREEN PLANTING
PROPOSED DESIGNATION BOUNDARY	RE-ESTABLISHED TALL FOREST
EXISTING STREAM	WETLAND
SPOIL SITE	RE-VEGETATED SCARP
SHARED USE PATH	RIPARIAN MARGIN
PROPERTY ACCESS	WET FOREST PLANTING
ROCK REVETMENT	ENRICHMENT PLANTING
TREES*	REHABILITATION* (OVER PROJECT EARTHWORKS)
TREE AVENUES	GRASS
TREE STANDS AT INTERSECTIONS	LOW VEGETATION
ECOLOGY MITIGATION AND OFFSETTING	TALL SCREEN PLANTING
TERRESTRIAL OFFSETTING SITES	RE-ESTABLISHED TALL FOREST
WETLAND OFFSETTING SITES	SWALE PLANTING (NOTE: SWALE SHOWN DIAGRAMMATICALLY. SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
TERRESTRIAL BUFFER PLANTING	NATURALISED STORMWATER POND
RIPARIAN / FRESHWATER OFFSETTING SITES (AREAS TO BE CONFIRMED)	MATERIAL SUPPLY SITES
RIPARIAN / FRESHWATER - MITIGATION PLANTING (AREAS TO BE CONFIRMED)	* TO ADDRESS LANDSCAPE, VISUAL AND NATURAL CHARACTER EFFECTS

OFFSET + RESTORATION PLANTING IS SUBJECT TO LANDOWNER APPROVAL BEYOND THE PROPOSED DESIGNATION

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DRN	CHK	APP	DATE
G	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
F	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
E	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
D	VARIOUS UPDATES - ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22
C	QUEEN STREET AND ACCOMMODATION WORKS ADDED. LEGEND UPDATED	MH	JP	JP	21.09.22
B	ISSUED FOR RMA CONSENT	SS	JP	JP	19.08.22
A	ISSUED FOR CONSENT - DRAFT	SS	GL	JP	20.04.22

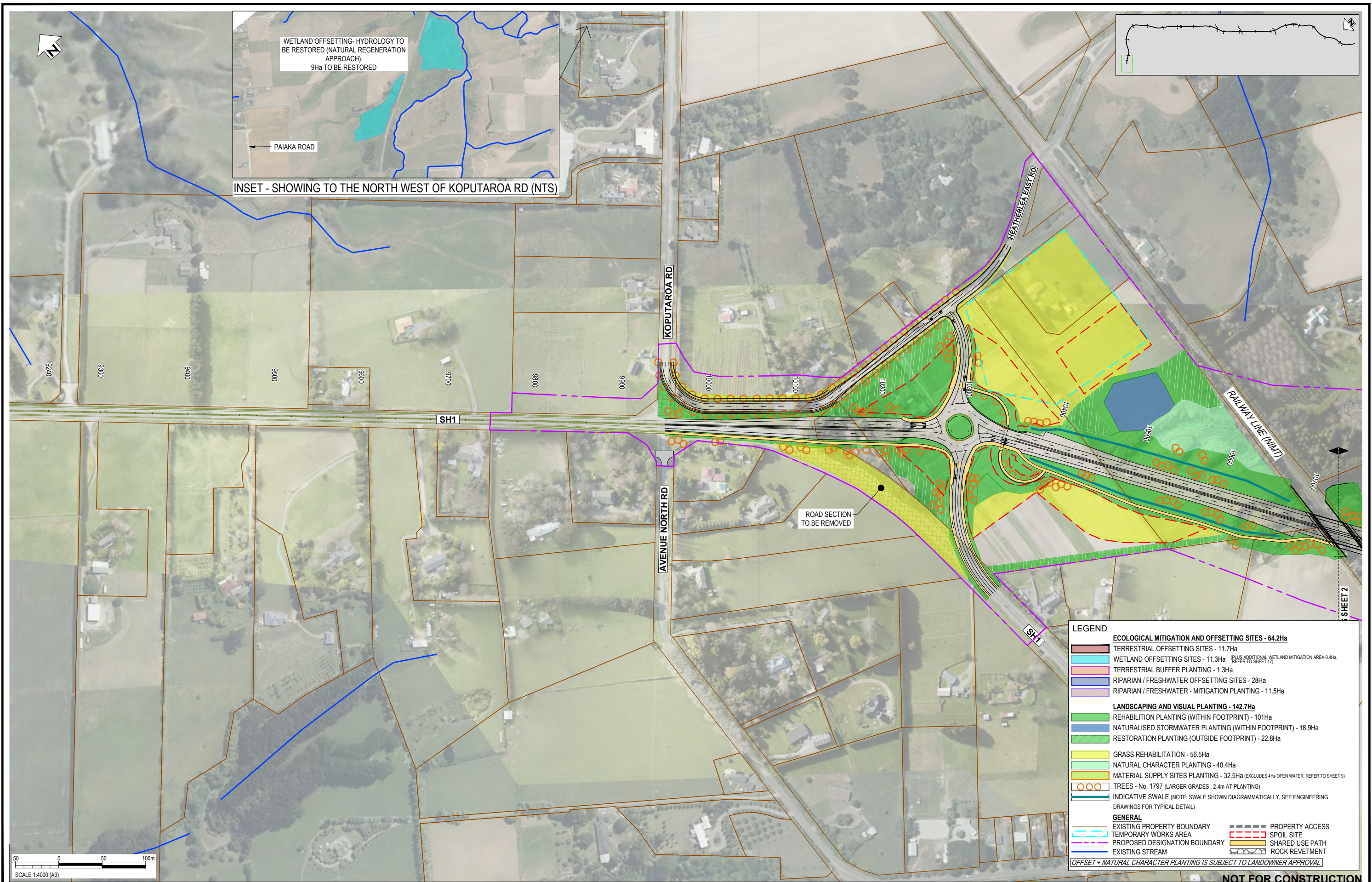
STATUS	NAME	DATE
SURVEYED		
DESIGNED	Sophie Fisher	13.04.22
DRAWN	Sophie Fisher	13.04.22
CAD REVIEW	Steve Sutton	19.04.22
DESIGN CHECK	Lisa Rimmer	19.04.22
DESIGN REVIEW	Gavin Lister	19.04.22
APPROVED	Jon England	13.10.23
PROF REGISTRATION:		

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: INDICATIVE TYPOLOGY
SHEET 18

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C1017
Rev.	G



WETLAND OFFSETTING- HYDROLOGY TO BE RESTORED (NATURAL REGENERATION APPROACH).
9Ha TO BE RESTORED

PAIAKA ROAD

INSET - SHOWING TO THE NORTH WEST OF KOPUTAROA RD (NTS)

LEGEND	
ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha	
	TERRESTRIAL OFFSETTING SITES - 11.7Ha
	WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA-0.4Ha REFER TO SHEET 11)
	TERRESTRIAL BUFFER PLANTING - 1.3Ha
	RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
	RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha
LANDSCAPING AND VISUAL PLANTING - 142.7Ha	
	REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
	NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
	RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
	GRASS REHABILITATION - 56.5Ha
	NATURAL CHARACTER PLANTING - 40.4Ha
	MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
	TREES - No. 1797 (LARGER GRADES, 2.4m AT PLANTING)
	INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
GENERAL	
	EXISTING PROPERTY BOUNDARY
	TEMPORARY WORKS AREA
	PROPOSED DESIGNATION BOUNDARY
	EXISTING STREAM
	PROPERTY ACCESS
	SPOIL SITE
	SHARED USE PATH
	ROCK REVETMENT
OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL	

SCALE 1:4000 (A3)

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DRN	CHK	APP	DATE
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22

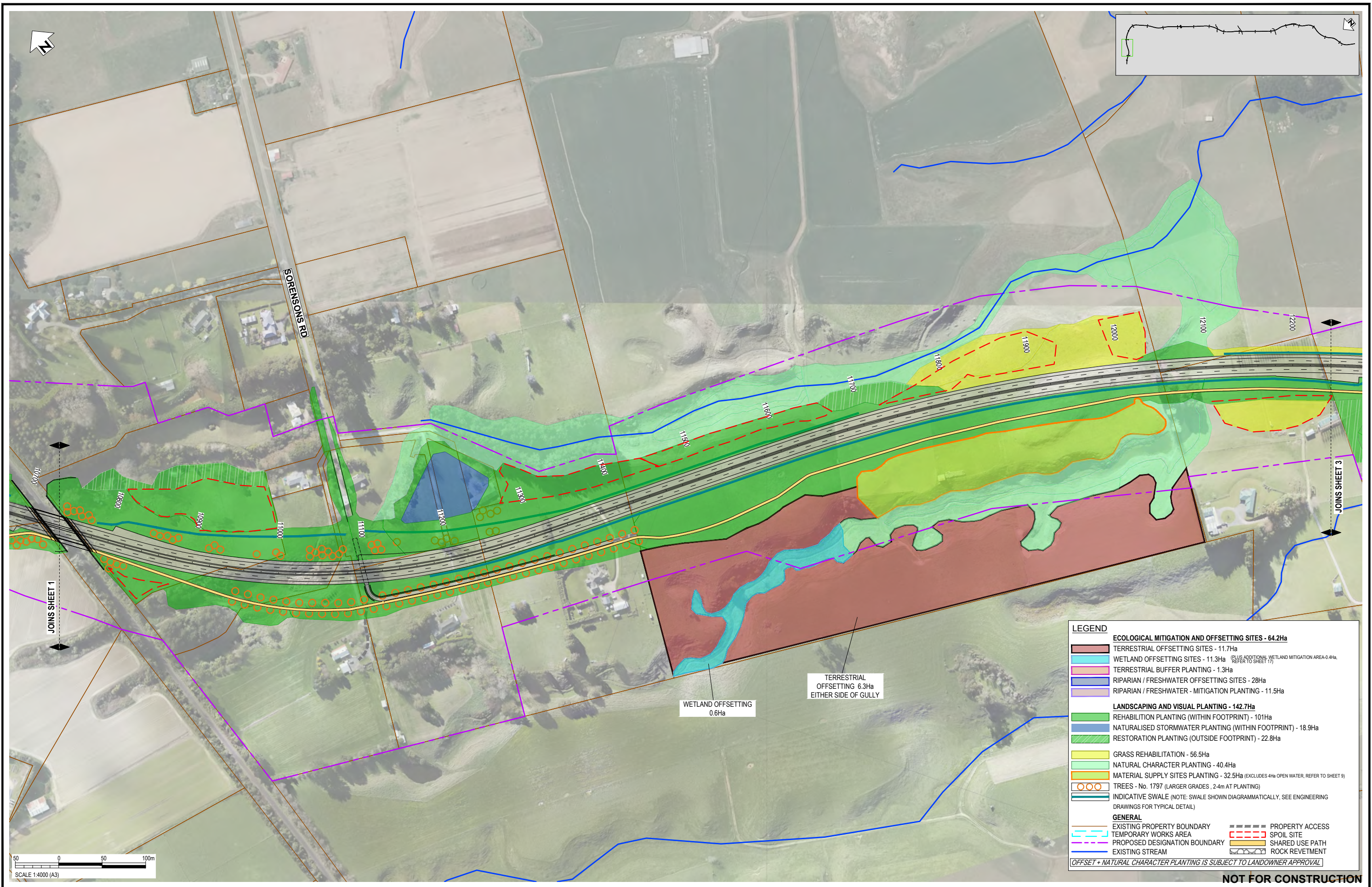
STATUS	NAME	DATE
SURVEYED		
DESIGNED	Sophie Fisher	13.04.22
DRAWN	Sophie Fisher	13.04.22
CAD REVIEW	Matt Hopkins	10.10.22
DESIGN CHECK	Lisa Rimmer	10.10.22
DESIGN REVIEW	Gavin Lister	10.10.22
APPROVED	Jon England	13.10.23

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 1

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C2000
Rev.	D



LEGEND	
ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha	
[Red Box]	TERRESTRIAL OFFSETTING SITES - 11.7Ha
[Light Blue Box]	WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA-0.4Ha REFER TO SHEET 1)
[Pink Box]	TERRESTRIAL BUFFER PLANTING - 1.3Ha
[Blue Box]	RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
[Purple Box]	RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha
LANDSCAPING AND VISUAL PLANTING - 142.7Ha	
[Green Box]	REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
[Light Green Box]	NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
[Dark Green Box]	RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
[Yellow Box]	GRASS REHABILITATION - 56.5Ha
[Light Green Box]	NATURAL CHARACTER PLANTING - 40.4Ha
[Orange Box]	MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
[Orange Circles]	TREES - No. 1797 (LARGER GRADES, 2.4m AT PLANTING)
[Blue Line]	INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
GENERAL	
[Dashed Blue Line]	EXISTING PROPERTY BOUNDARY
[Dashed Red Line]	TEMPORARY WORKS AREA
[Dashed Purple Line]	PROPOSED DESIGNATION BOUNDARY
[Blue Line]	EXISTING STREAM
[Dashed Red Line]	PROPERTY ACCESS
[Dashed Yellow Line]	SPOIL SITE
[Dashed Orange Line]	SHARED USE PATH
[Dashed Blue Line]	ROCK REVETMENT
OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL	

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DRN	CHK	APP	DATE
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22

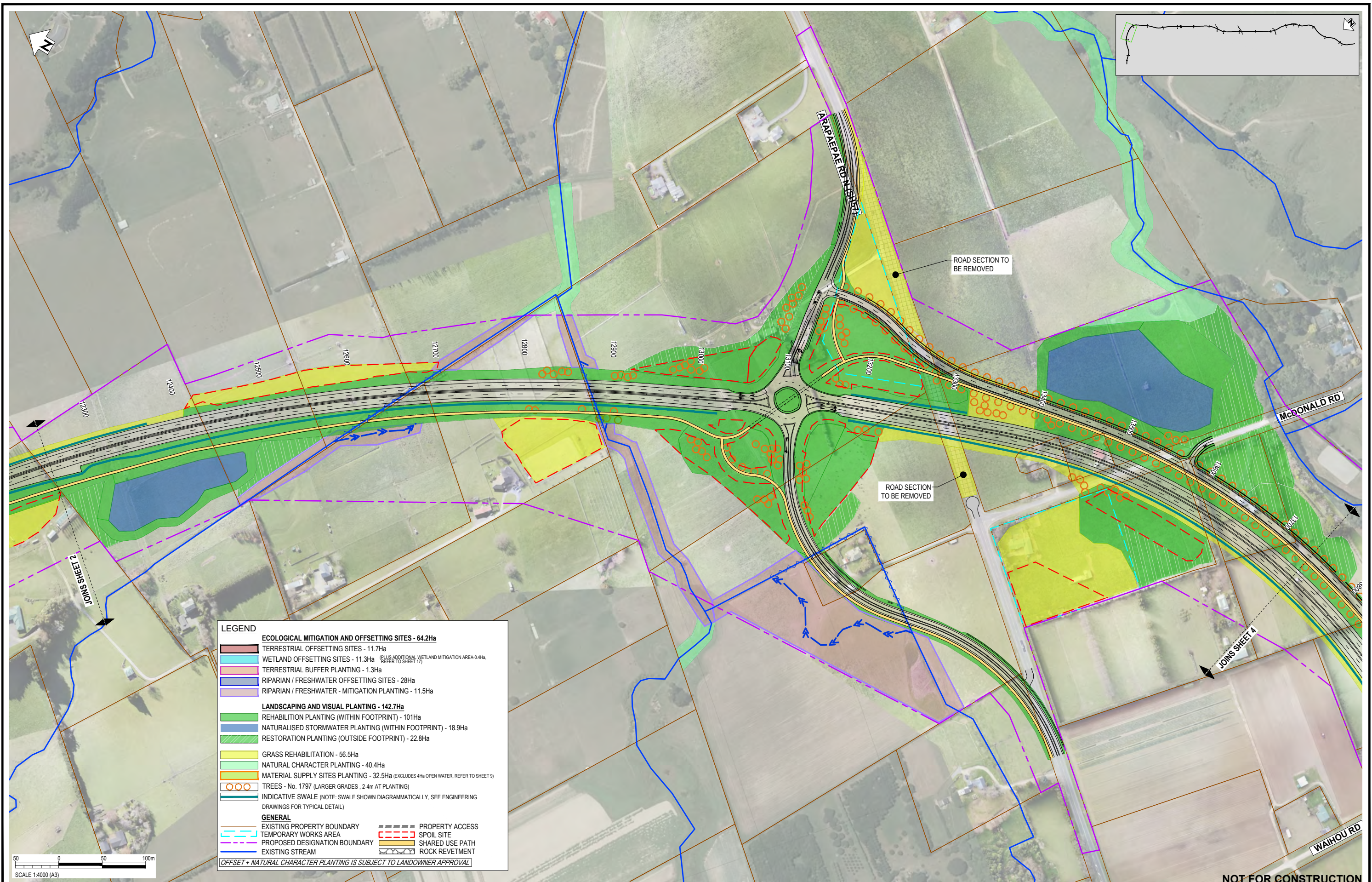
STATUS	NAME	DATE
SURVEYED		
DESIGNED	Sophie Fisher	13.04.22
DRAWN	Sophie Fisher	13.04.22
CAD REVIEW	Matt Hopkins	10.10.22
DESIGN CHECK	Lisa Rimmer	10.10.22
DESIGN REVIEW	Gavin Lister	10.10.22
APPROVED	Jon England	13.10.23

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 2

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C2001
Rev.	D



LEGEND

ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha

- TERRESTRIAL OFFSETTING SITES - 11.7Ha
- WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA 0.4Ha, REFER TO SHEET 17)
- TERRESTRIAL BUFFER PLANTING - 1.3Ha
- RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
- RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha

LANDSCAPING AND VISUAL PLANTING - 142.7Ha

- REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
- NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
- RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
- GRASS REHABILITATION - 56.5Ha
- NATURAL CHARACTER PLANTING - 40.4Ha
- MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
- TREES - No. 1797 (LARGER GRADES - 2.4m AT PLANTING)
- INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)

GENERAL

- EXISTING PROPERTY BOUNDARY
- TEMPORARY WORKS AREA
- PROPOSED DESIGNATION BOUNDARY
- EXISTING STREAM
- PROPERTY ACCESS
- SPOIL SITE
- SHARED USE PATH
- ROCK REVETMENT

OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL

REV	DESCRIPTION	DRN	CHK	APP	DATE
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22

DATE	BY	DESCRIPTION
13.04.22	Sophie Fisher	DESIGNED
13.04.22	Sophie Fisher	DRAWN
10.10.22	Matt Hopkins	CAD REVIEW
10.10.22	Lisa Rimmer	DESIGN CHECK
10.10.22	Gavin Lister	DESIGN REVIEW
13.10.23	Jon England	APPROVED

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 3

Status Stamp: **FOR CONSENT**

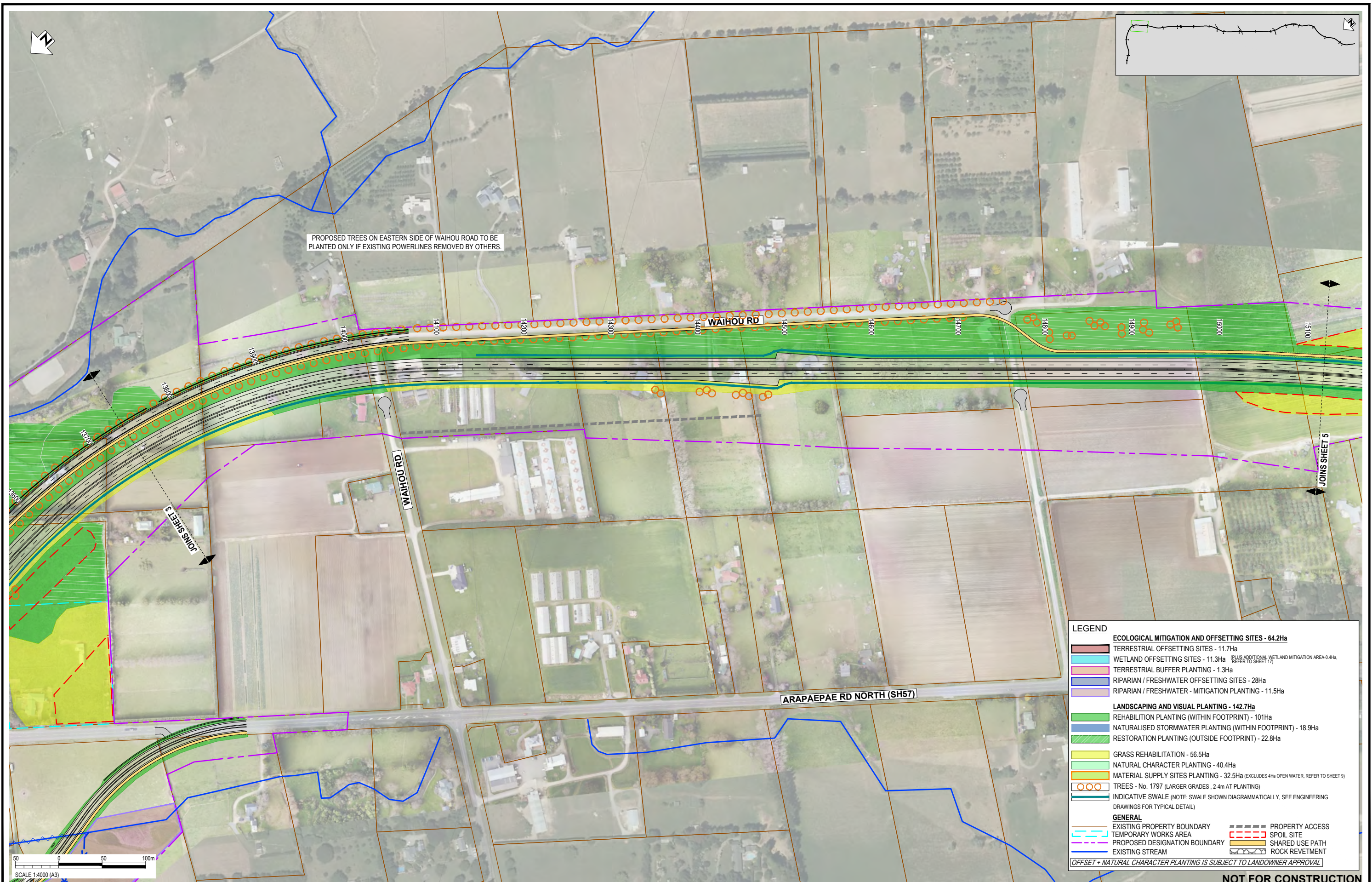
Date Stamp: **13.10.23**

Scale: 1 : 4000 (A3)

Drawing No: 310203848-01-700-C2002

Rev: **D**

pw:\stancap-pw.bentley.com\stancap-pw-01\Documents\New Zealand Clients\NZTA (Waka Kotahi NZ Transport Agency)\310203848 - Otaki to North of Levin DBC01 - O2NL1700 - Planting\310203848-01-700-C2002



PROPOSED TREES ON EASTERN SIDE OF WAIHOU ROAD TO BE PLANTED ONLY IF EXISTING POWERLINES REMOVED BY OTHERS.

LEGEND	
ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha	
[Red Box]	TERRESTRIAL OFFSETTING SITES - 11.7Ha
[Blue Box]	WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA-0.4Ha REFER TO SHEET 11)
[Green Box]	TERRESTRIAL BUFFER PLANTING - 1.3Ha
[Yellow Box]	RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
[Purple Box]	RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha
LANDSCAPING AND VISUAL PLANTING - 142.7Ha	
[Light Green Box]	REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
[Light Blue Box]	NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
[Light Yellow Box]	RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
[Yellow Box]	GRASS REHABILITATION - 56.5Ha
[Light Green Box]	NATURAL CHARACTER PLANTING - 40.4Ha
[Orange Box]	MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
[Orange Circles]	TREES - No. 1797 (LARGER GRADES - 2.4m AT PLANTING)
[Dashed Line]	INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
GENERAL	
[Red Dashed Line]	EXISTING PROPERTY BOUNDARY
[Blue Dashed Line]	TEMPORARY WORKS AREA
[Purple Dashed Line]	PROPOSED DESIGNATION BOUNDARY
[Blue Line]	EXISTING STREAM
[Red Dashed Line]	PROPERTY ACCESS
[Yellow Box]	SPOIL SITE
[Orange Box]	SHARED USE PATH
[Grey Box]	ROCK REVETMENT
OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL	

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN	CHK	APP
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	13.10.23	MN	GL	JE
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	30.06.23	MN	GL	PP
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	21.12.22	BH	JP	JP
A	ISSUED FOR RMA CONSENT	10.10.22	MH	JP	JP

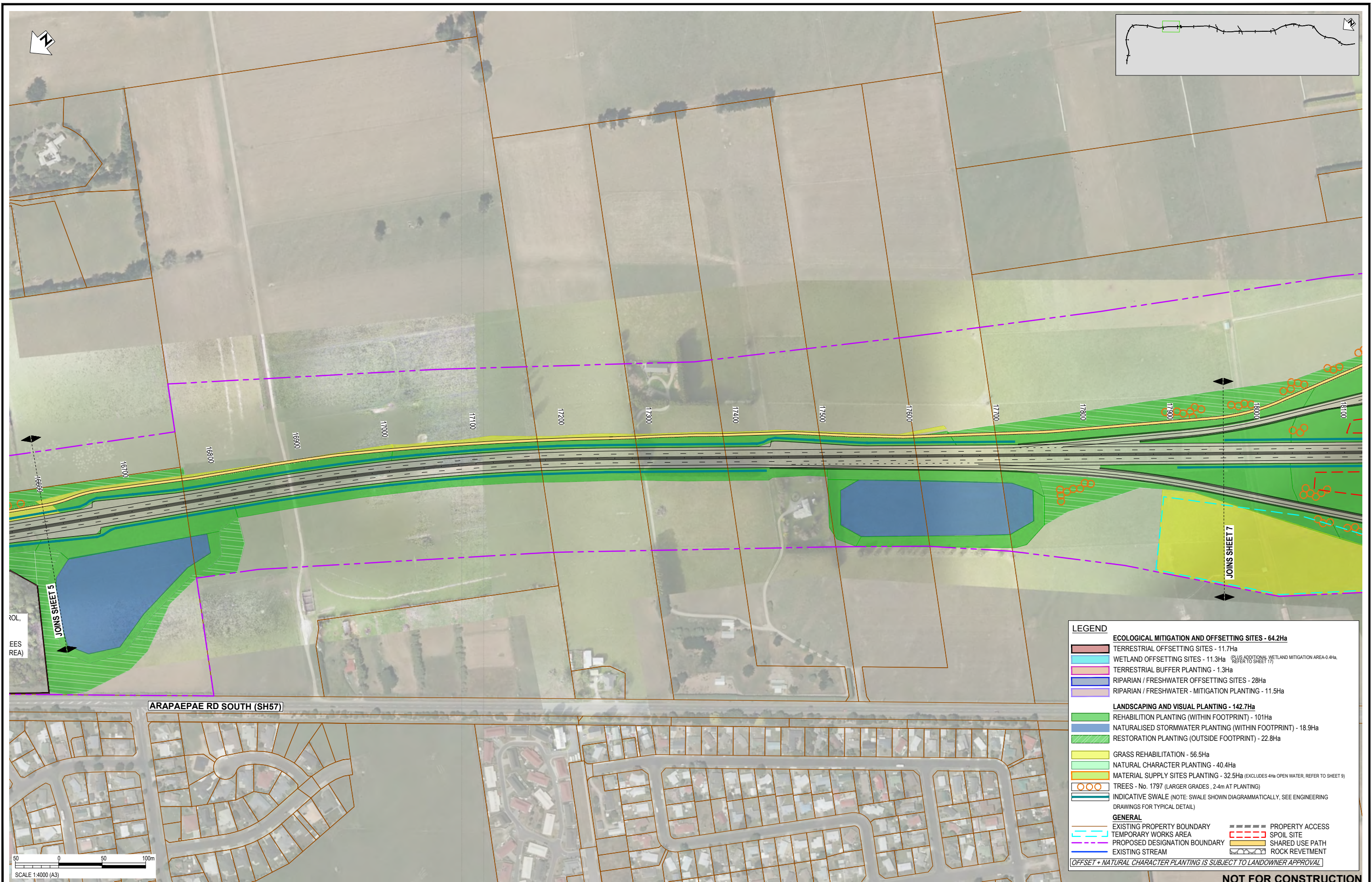
STAGE	NAME	DATE
SURVEYED		
DESIGNED	Sophie Fisher	13.04.22
DRAWN	Sophie Fisher	13.04.22
CAD REVIEW	Matt Hopkins	10.10.22
DESIGN CHECK	Lisa Rimmer	10.10.22
DESIGN REVIEW	Garvin Lister	10.10.22
APPROVED	Jon England	13.10.23

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 4

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C2003
Rev.	D



LEGEND	
ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha	
[Red box]	TERRESTRIAL OFFSETTING SITES - 11.7Ha
[Light blue box]	WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA-0.4Ha REFER TO SHEET 11)
[Pink box]	TERRESTRIAL BUFFER PLANTING - 1.3Ha
[Dark blue box]	RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
[Purple box]	RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha
LANDSCAPING AND VISUAL PLANTING - 142.7Ha	
[Green box]	REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
[Light green box]	NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
[Yellow-green box]	RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
[Yellow box]	GRASS REHABILITATION - 56.5Ha
[Light yellow box]	NATURAL CHARACTER PLANTING - 40.4Ha
[Orange box]	MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
[Orange circles]	TREES - No. 1797 (LARGER GRADES, 2.4m AT PLANTING)
[Blue dashed line]	INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
GENERAL	
[Blue dashed line]	EXISTING PROPERTY BOUNDARY
[Red dashed line]	TEMPORARY WORKS AREA
[Purple dashed line]	PROPOSED DESIGNATION BOUNDARY
[Blue solid line]	EXISTING STREAM
[Red dashed line]	PROPERTY ACCESS
[Yellow dashed line]	SPOIL SITE
[Orange dashed line]	SHARED USE PATH
[Grey dashed line]	ROCK REVETMENT
OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL	

REV	DESCRIPTION	DRN	CHK	APP	DATE
E	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	FP	30.06.23
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
B	EAST-WEST ARTERIAL DESIGN REMOVED	MH	JP	JP	19.10.22
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22

STATUS	NAME	DATE
SURVEYED		
DESIGNED	Sophie Fisher	13.04.22
DRAWN	Sophie Fisher	13.04.22
CAD REVIEW	Matt Hopkins	10.10.22
DESIGN CHECK	Lisa Rimmer	10.10.22
DESIGN REVIEW	Gavin Lister	10.10.22
APPROVED	Jon England	13.10.23

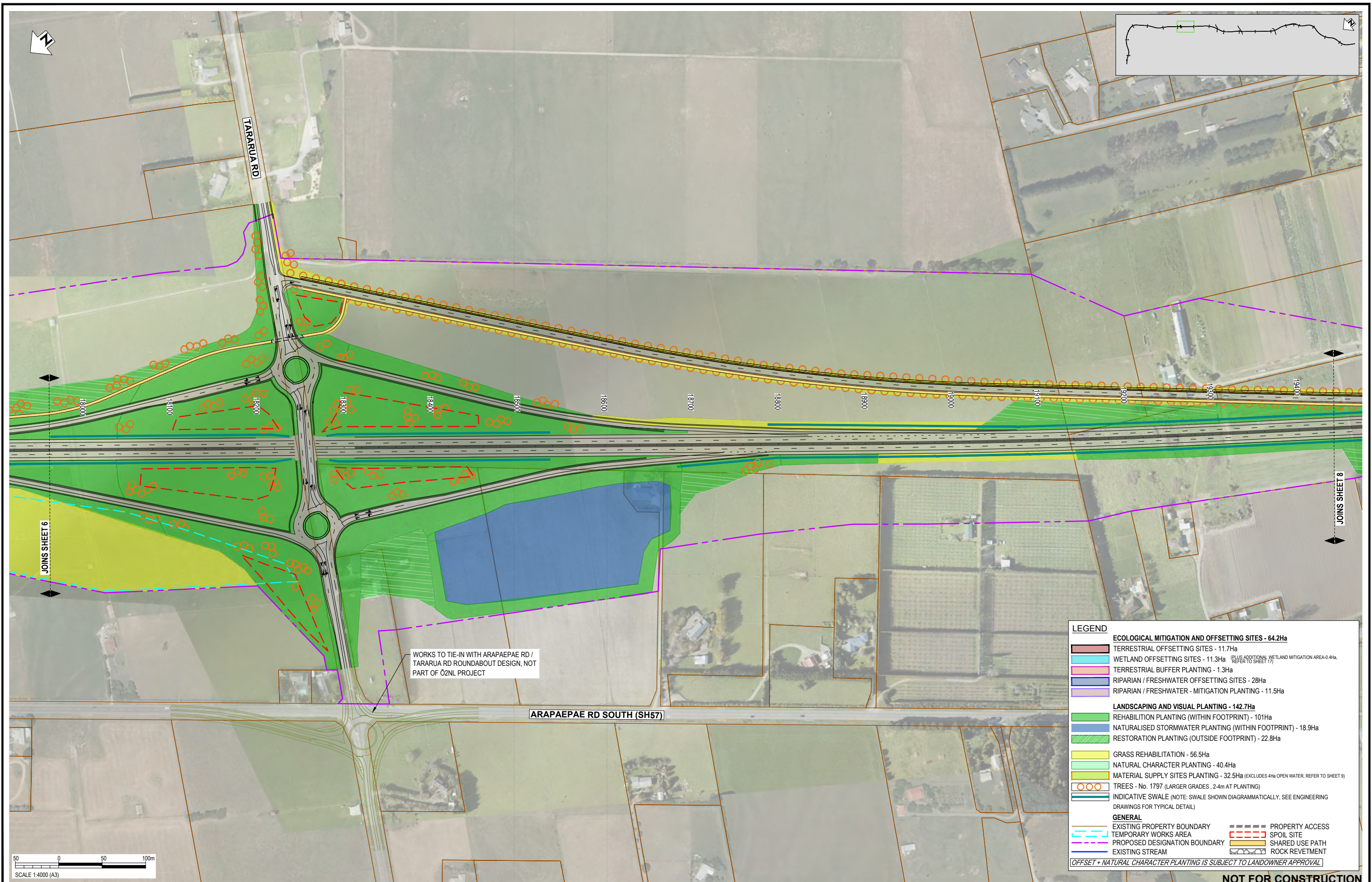
Client:




WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 6

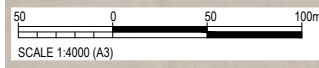
Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C2005
Rev.	E



WORKS TO TIE-IN WITH ARAPAEPAE RD / TARARUA RD ROUNDABOUT DESIGN, NOT PART OF Ō2NL PROJECT

ARAPAEPAE RD SOUTH (SH57)

LEGEND	
ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha	
[Red Box]	TERRESTRIAL OFFSETTING SITES - 11.7Ha
[Light Blue Box]	WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA-0.4Ha REFER TO SHEET 11)
[Pink Box]	TERRESTRIAL BUFFER PLANTING - 1.3Ha
[Blue Box]	RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
[Purple Box]	RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha
LANDSCAPING AND VISUAL PLANTING - 142.7Ha	
[Green Box]	REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
[Light Blue Box]	NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
[Dark Green Box]	RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
[Yellow Box]	GRASS REHABILITATION - 56.5Ha
[Light Green Box]	NATURAL CHARACTER PLANTING - 40.4Ha
[Orange Box]	MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
[Orange Circles]	TREES - No. 1797 (LARGER GRADES, 2.4m AT PLANTING)
[Blue Dashed Line]	INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
GENERAL	
[Red Dashed Line]	EXISTING PROPERTY BOUNDARY
[Blue Dashed Line]	TEMPORARY WORKS AREA
[Purple Dashed Line]	PROPOSED DESIGNATION BOUNDARY
[Blue Solid Line]	EXISTING STREAM
[Red Dashed Line]	PROPERTY ACCESS
[Red Dashed Line]	SPOIL SITE
[Yellow Dashed Line]	SHARED USE PATH
[Grey Dashed Line]	ROCK REVETMENT
OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL	



NOT FOR CONSTRUCTION

REV	DESCRIPTION	DRN	CHK	APP	DATE
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22

DATE	BY	DESCRIPTION
13.04.22	Sophie Fisher	DESIGNED
13.04.22	Sophie Fisher	DRAWN
10.10.22	Matt Hopkins	CAD REVIEW
10.10.22	Lisa Rimmer	DESIGN CHECK
10.10.22	Gavin Lister	DESIGN REVIEW
13.10.23	Jon England	APPROVED

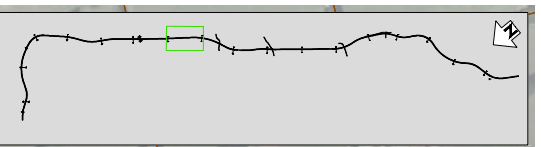
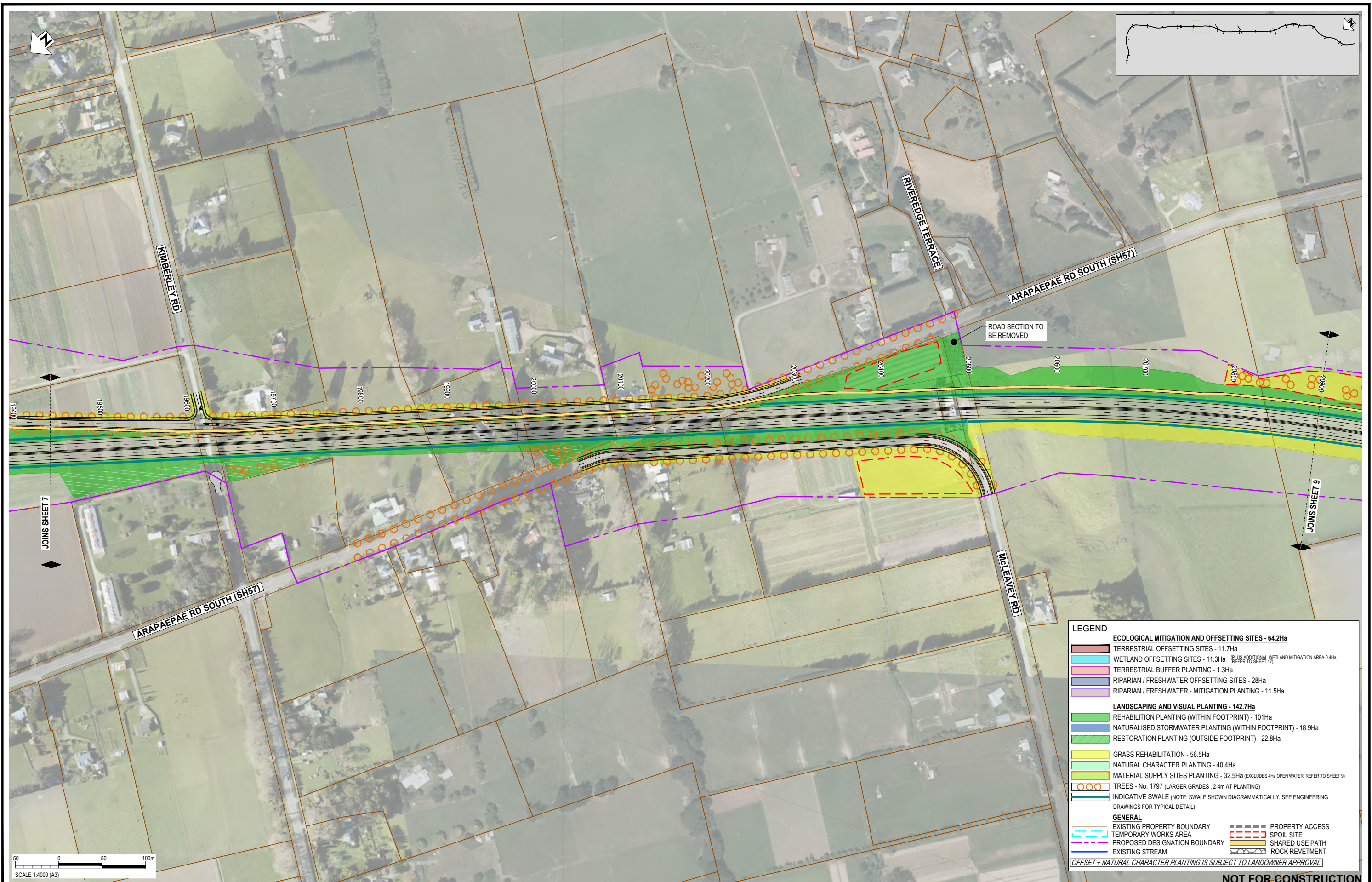
Client:




WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 7

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C2006
Rev.	D



LEGEND	
ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha	
	TERRESTRIAL OFFSETTING SITES - 11.7Ha
	WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA-0.4Ha REFER TO SHEET 11)
	TERRESTRIAL BUFFER PLANTING - 1.3Ha
	RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
	RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha
LANDSCAPING AND VISUAL PLANTING - 142.7Ha	
	REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
	NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
	RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
	GRASS REHABILITATION - 56.5Ha
	NATURAL CHARACTER PLANTING - 40.4Ha
	MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
	TREES - No. 1797 (LARGER GRADES, 2.4m AT PLANTING)
	INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
GENERAL	
	EXISTING PROPERTY BOUNDARY
	TEMPORARY WORKS AREA
	PROPOSED DESIGNATION BOUNDARY
	EXISTING STREAM
	PROPERTY ACCESS
	SPOIL SITE
	SHARED USE PATH
	ROCK REVEMENT
<i>OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL</i>	

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DRN	CHK	APP	DATE
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22

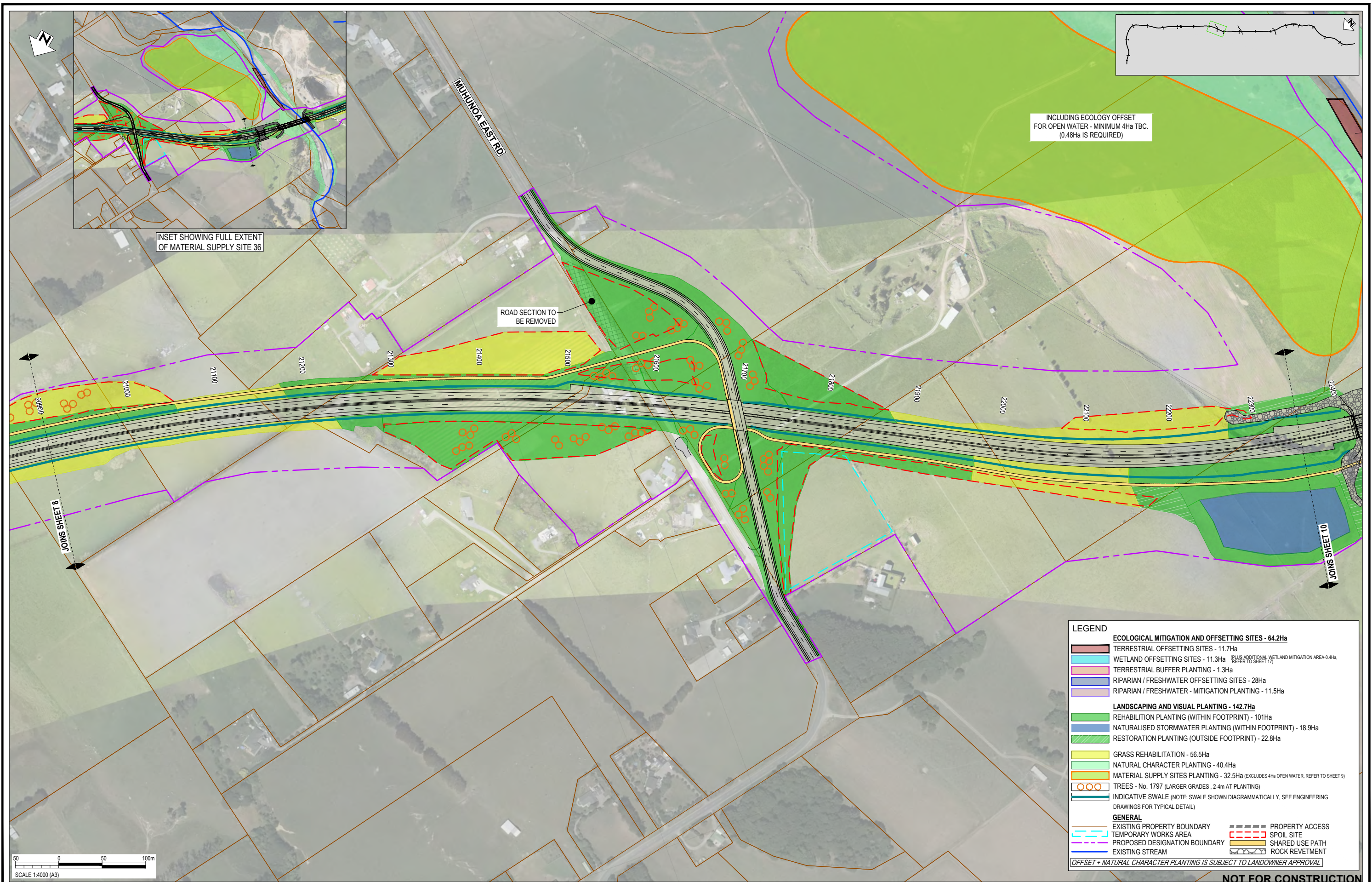
STAGE	NAME	DATE
SURVEYED		
DESIGNED	Sophie Fisher	13.04.22
DRAWN	Sophie Fisher	13.04.22
CAD REVIEW	Matt Hopkins	10.10.22
DESIGN CHECK	Lisa Rimmer	10.10.22
DESIGN REVIEW	Gavin Lister	10.10.22
APPROVED	Jon England	13.10.23

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 8

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C2007
Rev.	D



INCLUDING ECOLOGY OFFSET
FOR OPEN WATER - MINIMUM 4Ha TBC.
(0.48Ha IS REQUIRED)

INSET SHOWING FULL EXTENT
OF MATERIAL SUPPLY SITE 36

ROAD SECTION TO
BE REMOVED

JOINS SHEET 8

JOINS SHEET 10

LEGEND	
ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha	
	TERRESTRIAL OFFSETTING SITES - 11.7Ha
	WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA-0.4Ha REFER TO SHEET 11)
	TERRESTRIAL BUFFER PLANTING - 1.3Ha
	RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
	RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha
LANDSCAPING AND VISUAL PLANTING - 142.7Ha	
	REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
	NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
	RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
	GRASS REHABILITATION - 56.5Ha
	NATURAL CHARACTER PLANTING - 40.4Ha
	MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
	TREES - No. 1797 (LARGER GRADES, 2.4m AT PLANTING)
	INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
GENERAL	
	EXISTING PROPERTY BOUNDARY
	TEMPORARY WORKS AREA
	PROPOSED DESIGNATION BOUNDARY
	EXISTING STREAM
	PROPERTY ACCESS
	SPOIL SITE
	SHARED USE PATH
	ROCK REPLEVMENT
<i>OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL</i>	

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DRN	CHK	APP	DATE	PROF REGISTRATION
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23	
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23	
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22	
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22	

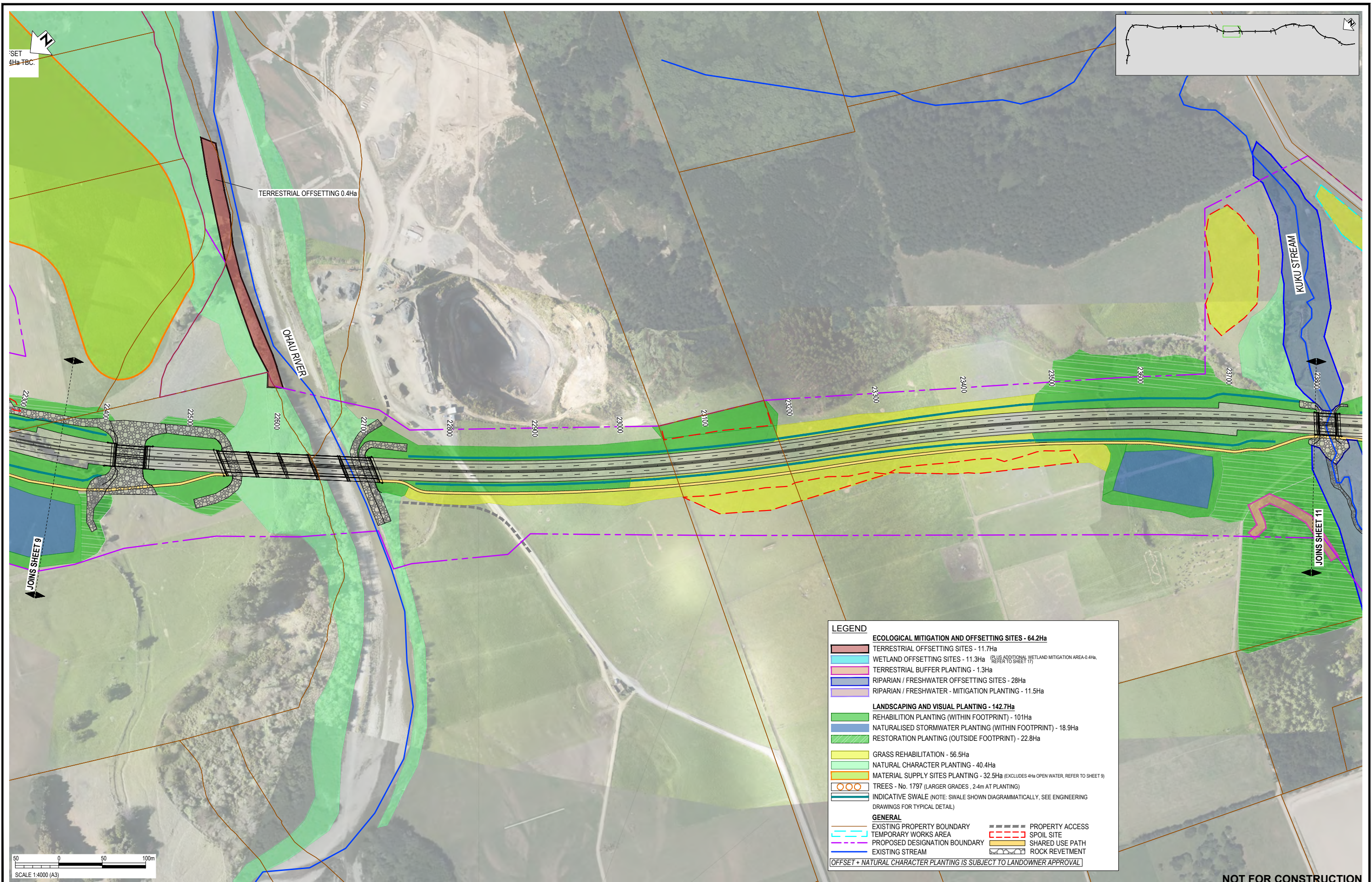
DATE	BY	DESCRIPTION
13.04.22	Sophie Fisher	DESIGNED
13.04.22	Sophie Fisher	DRAWN
10.10.22	Matt Hopkins	CAD REVIEW
10.10.22	Lisa Rimmer	DESIGN CHECK
10.10.22	Gavin Lister	DESIGN REVIEW
13.10.23	Jon England	APPROVED



WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 9

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C2008
Rev.	D



LEGEND

ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha

- TERRESTRIAL OFFSETTING SITES - 11.7Ha
- WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA 0.4Ha, REFER TO SHEET 17)
- TERRESTRIAL BUFFER PLANTING - 1.3Ha
- RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
- RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha

LANDSCAPING AND VISUAL PLANTING - 142.7Ha

- REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
- NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
- RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
- GRASS REHABILITATION - 56.5Ha
- NATURAL CHARACTER PLANTING - 40.4Ha
- MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
- TREES - No. 1797 (LARGER GRADES, 2-4m AT PLANTING)
- INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)

GENERAL

- EXISTING PROPERTY BOUNDARY
- TEMPORARY WORKS AREA
- PROPOSED DESIGNATION BOUNDARY
- EXISTING STREAM
- PROPERTY ACCESS
- SPOIL SITE
- SHARED USE PATH
- ROCK REVETMENT

OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL

REV	DESCRIPTION	DRN	CHK	APP	DATE
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22

SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED
	Sophie Fisher	Sophie Fisher	Matt Hopkins	Lisa Rimmer	Gavin Lister	Jon England
	13.04.22	13.04.22	10.10.22	10.10.22	10.10.22	13.10.23

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

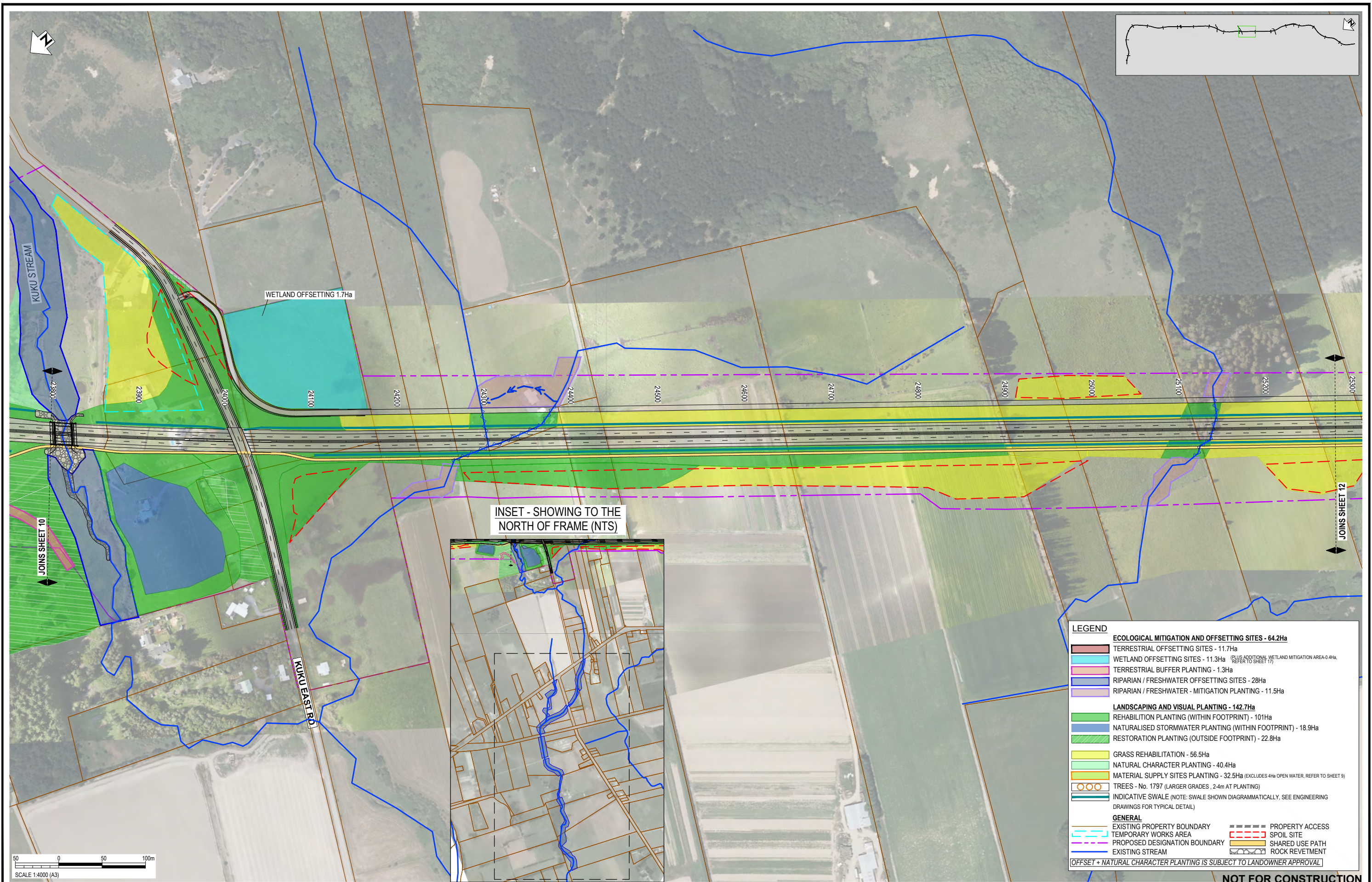
PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 10

Scale: 1 : 4000 (A3)

310203848-01-700-C2009

Rev: D

NOT FOR CONSTRUCTION



LEGEND	
ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha	
[Light Blue Box]	TERRESTRIAL OFFSETTING SITES - 11.7Ha
[Light Green Box]	WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA-0.4Ha REFER TO SHEET 11)
[Light Yellow Box]	TERRESTRIAL BUFFER PLANTING - 1.3Ha
[Light Purple Box]	RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
[Light Cyan Box]	RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha
LANDSCAPING AND VISUAL PLANTING - 142.7Ha	
[Light Green Box]	REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
[Light Blue Box]	NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
[Light Green Box]	RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
[Light Yellow Box]	GRASS REHABILITATION - 56.5Ha
[Light Green Box]	NATURAL CHARACTER PLANTING - 40.4Ha
[Light Yellow Box]	MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
[Circle with X]	TREES - No. 1797 (LARGER GRADES - 2.4m AT PLANTING)
[Dashed Line]	INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
GENERAL	
[Dashed Line]	EXISTING PROPERTY BOUNDARY
[Dotted Line]	TEMPORARY WORKS AREA
[Dashed Line]	PROPOSED DESIGNATION BOUNDARY
[Blue Line]	EXISTING STREAM
[Dashed Line]	PROPERTY ACCESS
[Dotted Line]	SPOIL SITE
[Dashed Line]	SHARED USE PATH
[Dotted Line]	ROCK REVETMENT
OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL	



REV	DESCRIPTION	DRN	CHK	APP	DATE
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22

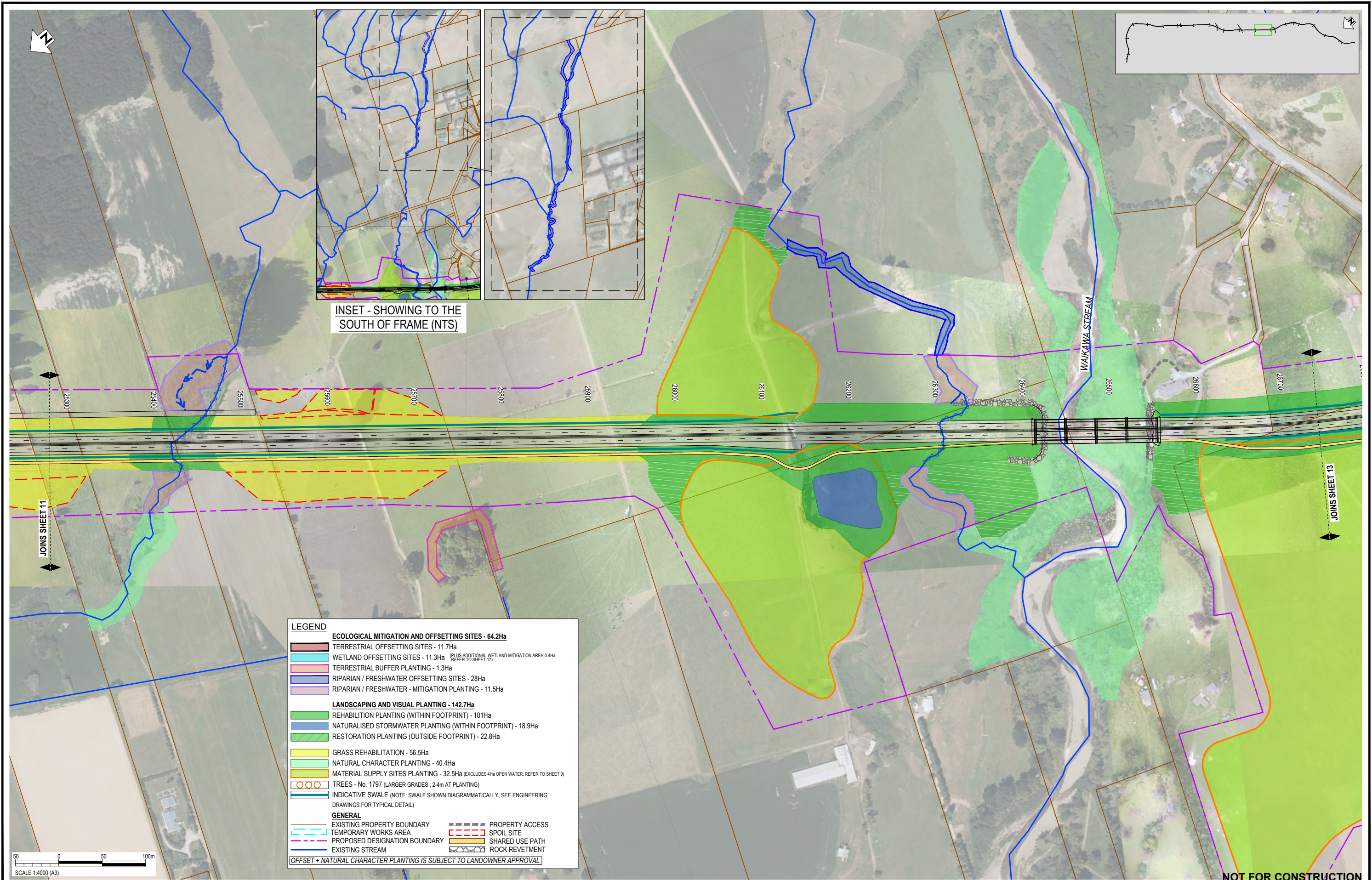
STATUS	NAME	DATE
SURVEYED		
DESIGNED	Sophie Fisher	13.04.22
DRAWN	Sophie Fisher	13.04.22
CAD REVIEW	Matt Hopkins	10.10.22
DESIGN CHECK	Lisa Rimmer	10.10.22
DESIGN REVIEW	Gavin Lister	10.10.22
APPROVED	Jon England	13.10.23

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 11

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C2010
Rev.	D



INSET - SHOWING TO THE SOUTH OF FRAME (NTS)

LEGEND

ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha

- TERRESTRIAL OFFSETTING SITES - 11.7Ha
- WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA 0.4Ha, REFER TO SHEET 17)
- TERRESTRIAL BUFFER PLANTING - 1.3Ha
- RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
- RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha

LANDSCAPING AND VISUAL PLANTING - 142.7Ha

- REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
- NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
- RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
- GRASS REHABILITATION - 56.5Ha
- NATURAL CHARACTER PLANTING - 40.4Ha
- MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
- TREES - No. 1797 (LARGER GRADES, 2.4m AT PLANTING)

INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)

GENERAL

- EXISTING PROPERTY BOUNDARY
- TEMPORARY WORKS AREA
- PROPOSED DESIGNATION BOUNDARY
- EXISTING STREAM
- PROPERTY ACCESS
- SPOIL SITE
- SHARED USE PATH
- ROCK REVETMENT

OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL



NOT FOR CONSTRUCTION

REV	REVISIONS	DRN	CHK	APP	DATE
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.22
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22

SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED
	Sophie Fisher	Sophie Fisher	Matt Hopkins	Lisa Rimmer	Gavin Lister	Jon England

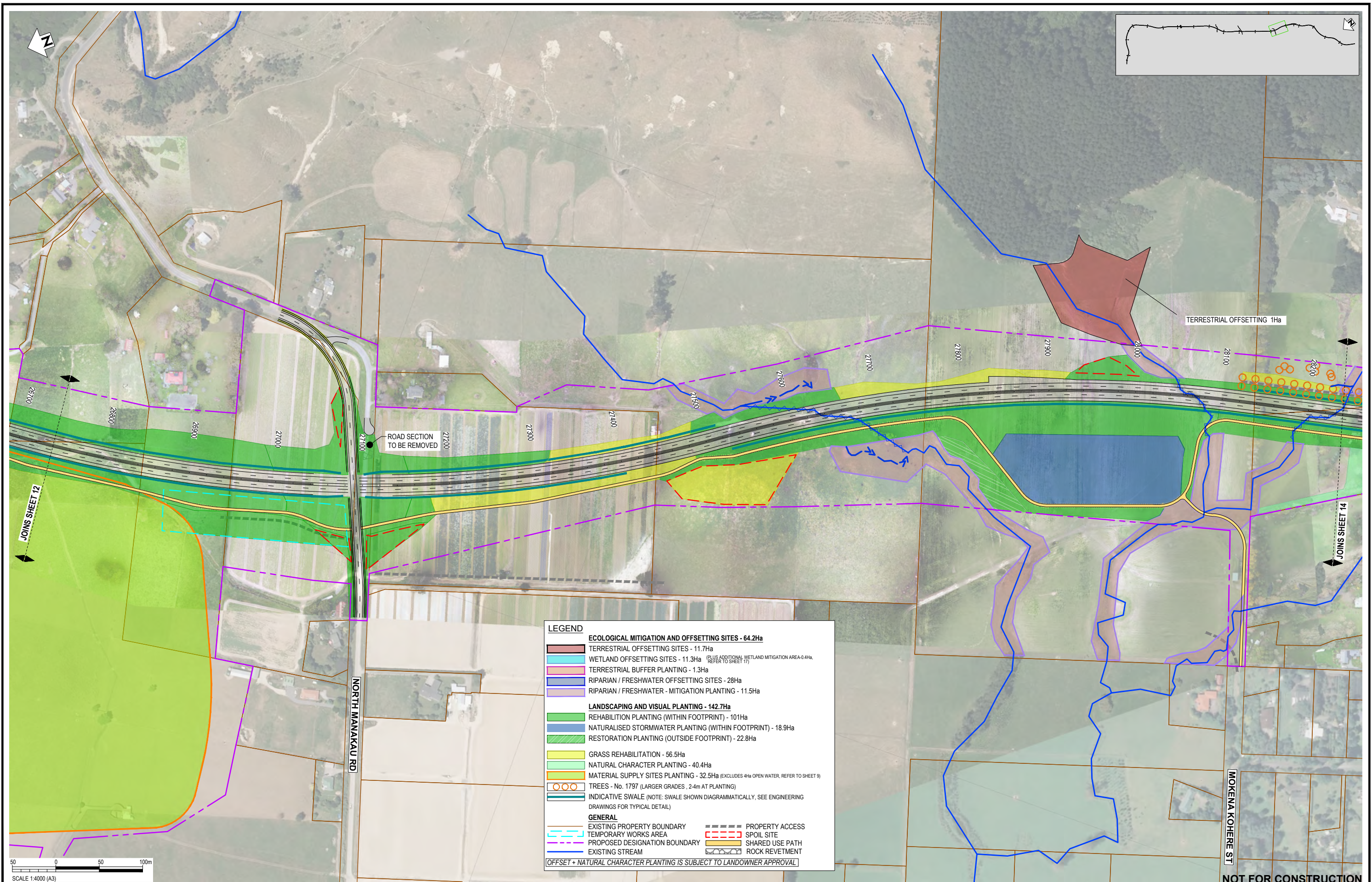
Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 12

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C2011
Rev.	D

pw:\starec-ap-pw.bentley.com\starec-ap-pw-01\Documents\New Zealand Clients\NZTA (Waka Kotahi NZ Transport Agency)\310203848 - Otaki to North of Levin DBC01 - 02NLI700 - Planting\310203848-01-700-C2011



LEGEND

ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha	
[Red Area]	TERRESTRIAL OFFSETTING SITES - 11.7Ha
[Light Blue Area]	WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA 0.4Ha, REFER TO SHEET 17)
[Pink Area]	TERRESTRIAL BUFFER PLANTING - 1.3Ha
[Blue Area]	RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
[Purple Area]	RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha
LANDSCAPING AND VISUAL PLANTING - 142.7Ha	
[Green Area]	REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
[Light Green Area]	NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
[Dark Green Area]	RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
[Yellow Area]	GRASS REHABILITATION - 56.5Ha
[Light Yellow Area]	NATURAL CHARACTER PLANTING - 40.4Ha
[Orange Area]	MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
[Orange Circles]	TREES - No. 1797 (LARGER GRADES - 2.4m AT PLANTING)
[Dashed Line]	INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
GENERAL	
[Solid Line]	EXISTING PROPERTY BOUNDARY
[Dashed Line]	TEMPORARY WORKS AREA
[Dotted Line]	PROPOSED DESIGNATION BOUNDARY
[Blue Line]	EXISTING STREAM
[Dashed Line]	PROPERTY ACCESS
[Red Area]	SPOIL SITE
[Yellow Area]	SHARED USE PATH
[Hatched Area]	ROCK REVETMENT

OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL

REV	DESCRIPTION	DRN	CHK	APP	DATE
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22

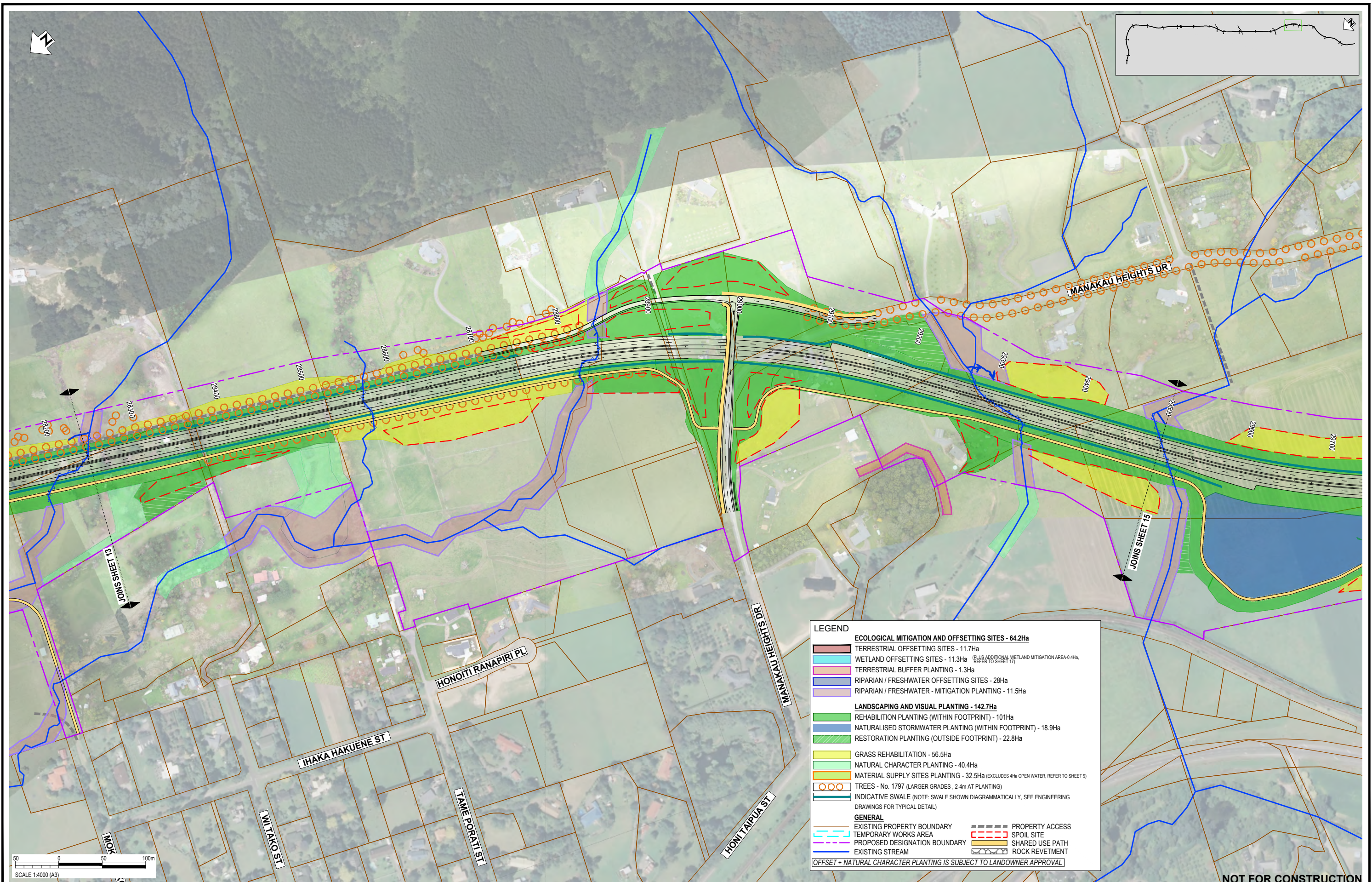
SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED
	Sophie Fisher	Sophie Fisher	Matt Hopkins	Lisa Rimmer	Gavin Lister	Jon England

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 13

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C2012
Rev.	D



LEGEND

ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha

- TERRESTRIAL OFFSETTING SITES - 11.7Ha
- WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA 0.4Ha, REFER TO SHEET 17)
- TERRESTRIAL BUFFER PLANTING - 1.3Ha
- RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
- RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha

LANDSCAPING AND VISUAL PLANTING - 142.7Ha

- REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
- NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
- RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
- GRASS REHABILITATION - 56.5Ha
- NATURAL CHARACTER PLANTING - 40.4Ha
- MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
- TREES - No. 1797 (LARGER GRADES, 2.4m AT PLANTING)
- INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)

GENERAL

- EXISTING PROPERTY BOUNDARY
- TEMPORARY WORKS AREA
- PROPOSED DESIGNATION BOUNDARY
- EXISTING STREAM
- PROPERTY ACCESS
- SPOIL SITE
- SHARED USE PATH
- ROCK REVETMENT

OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL

REV	DESCRIPTION	DRN	CHK	APP	DATE
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22

SURVEYED	DESIGNED	DRAWN	CAD REVIEW	DESIGN CHECK	DESIGN REVIEW	APPROVED
	Sophie Fisher	Sophie Fisher	Matt Hopkins	Lisa Rimmer	Gavin Lister	Jon England
	13.04.22	13.04.22	10.10.22	10.10.22	10.10.22	13.10.23

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
 SHEET 14

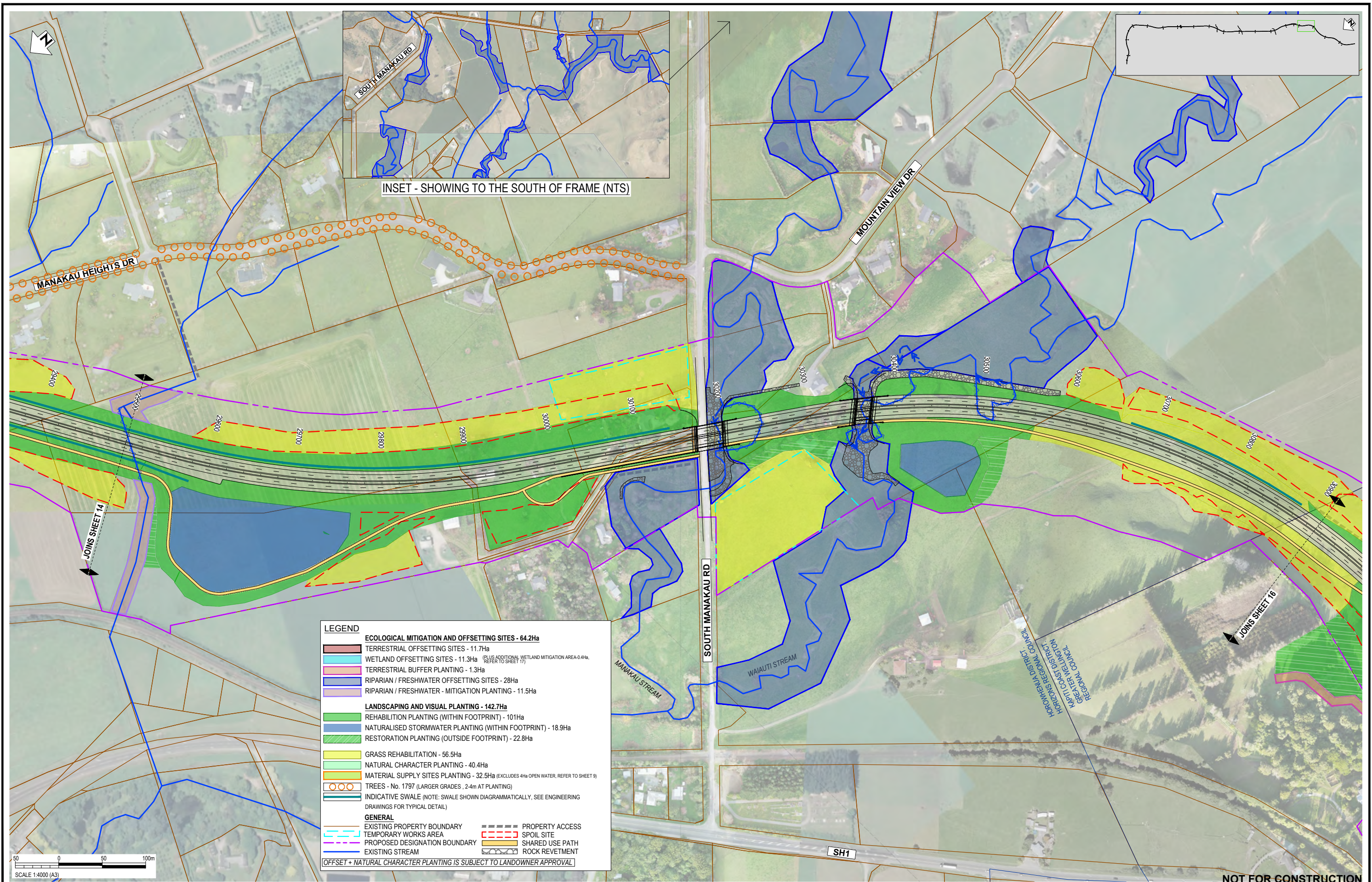
Status Stamp: **FOR CONSENT**

Date Stamp: **13.10.23**

Scale: 1:4000 (A3)

Drawing No: 310203848-01-700-C2013

Rev: **D**



LEGEND	
ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha	
[Light Blue Box]	TERRESTRIAL OFFSETTING SITES - 11.7Ha
[Light Green Box]	WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA 0.4Ha, REFER TO SHEET 17)
[Light Yellow Box]	TERRESTRIAL BUFFER PLANTING - 1.3Ha
[Light Purple Box]	RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
[Light Cyan Box]	RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha
LANDSCAPING AND VISUAL PLANTING - 142.7Ha	
[Light Green Box]	REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
[Light Blue Box]	NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
[Light Green Box]	RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
[Light Yellow Box]	GRASS REHABILITATION - 56.5Ha
[Light Green Box]	NATURAL CHARACTER PLANTING - 40.4Ha
[Light Yellow Box]	MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
[Orange Circle]	TREES - No. 1797 (LARGER GRADES, 2.4m AT PLANTING)
[Dashed Line]	INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
GENERAL	
[Dashed Line]	EXISTING PROPERTY BOUNDARY
[Dotted Line]	TEMPORARY WORKS AREA
[Dashed Line]	PROPOSED DESIGNATION BOUNDARY
[Blue Line]	EXISTING STREAM
[Dashed Line]	PROPERTY ACCESS
[Yellow Box]	SPOIL SITE
[Orange Box]	SHARED USE PATH
[Grey Box]	ROCK REVETMENT
OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL	

REV	DESCRIPTION	DATE	BY	CHK	APP
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	13.10.23	MN	GL	JE
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	30.06.23	MN	GL	PP
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	21.12.22	BH	JP	JP
A	ISSUED FOR RMA CONSENT	10.10.22	MH	JP	JP

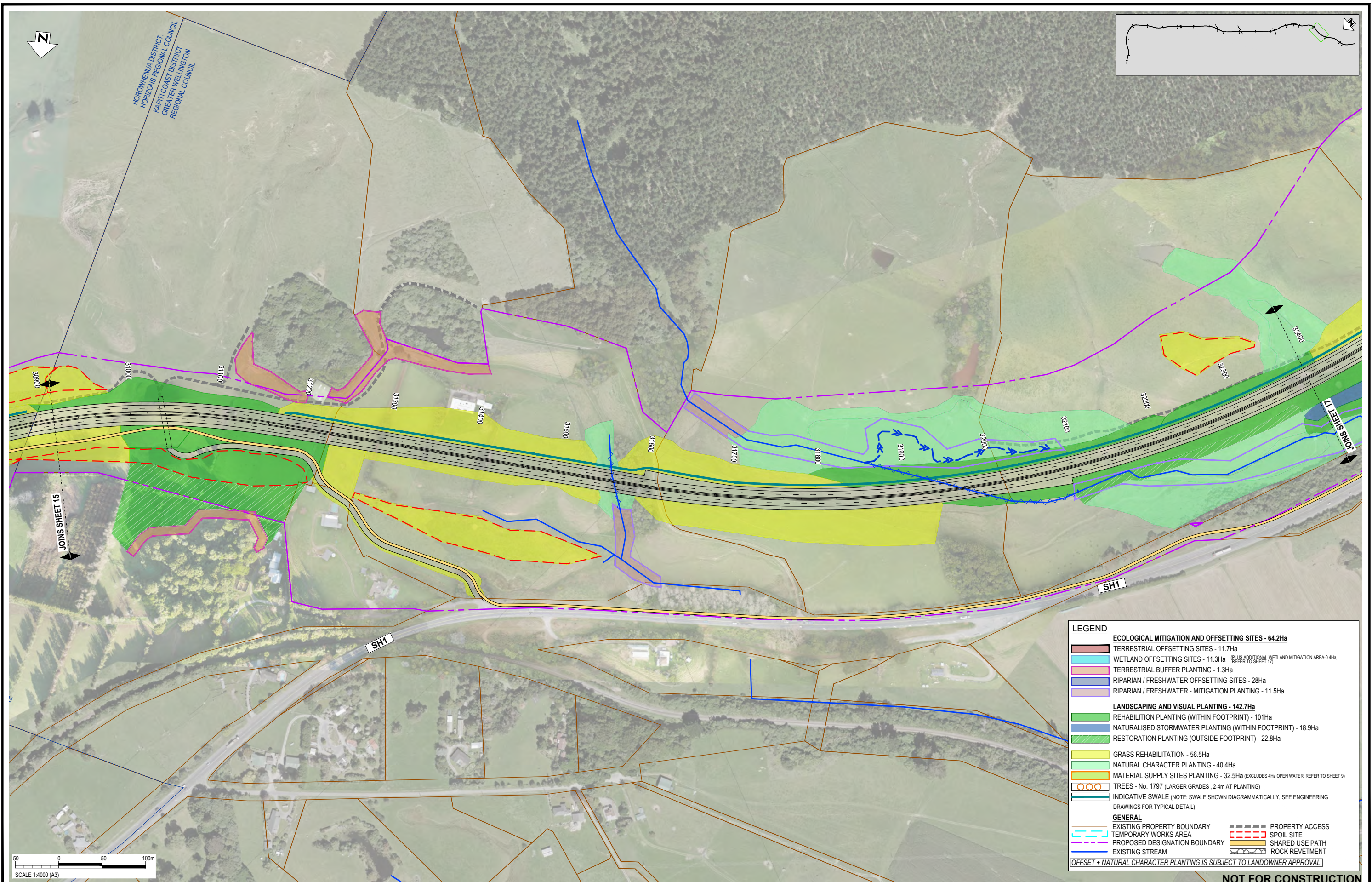
DATE	BY	DESCRIPTION
13.04.22	Sophie Fisher	DESIGNED
13.04.22	Sophie Fisher	DRAWN
10.10.22	Matt Hopkins	CAD REVIEW
10.10.22	Lisa Rimmer	DESIGN CHECK
10.10.22	Gavin Lister	DESIGN REVIEW
13.10.23	Jon England	APPROVED

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 15

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C2014
Rev.	D



LEGEND	
ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha	
	TERRESTRIAL OFFSETTING SITES - 11.7Ha
	WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA-0.4Ha REFER TO SHEET 17)
	TERRESTRIAL BUFFER PLANTING - 1.3Ha
	RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
	RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha
LANDSCAPING AND VISUAL PLANTING - 142.7Ha	
	REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
	NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
	RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
	GRASS REHABILITATION - 56.5Ha
	NATURAL CHARACTER PLANTING - 40.4Ha
	MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
	TREES - No. 1797 (LARGER GRADES, 2.4m AT PLANTING)
	INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
GENERAL	
	EXISTING PROPERTY BOUNDARY
	TEMPORARY WORKS AREA
	PROPOSED DESIGNATION BOUNDARY
	EXISTING STREAM
	PROPERTY ACCESS
	SPOIL SITE
	SHARED USE PATH
	ROCK REVETMENT
OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL	

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DRN	CHK	APP	DATE
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22

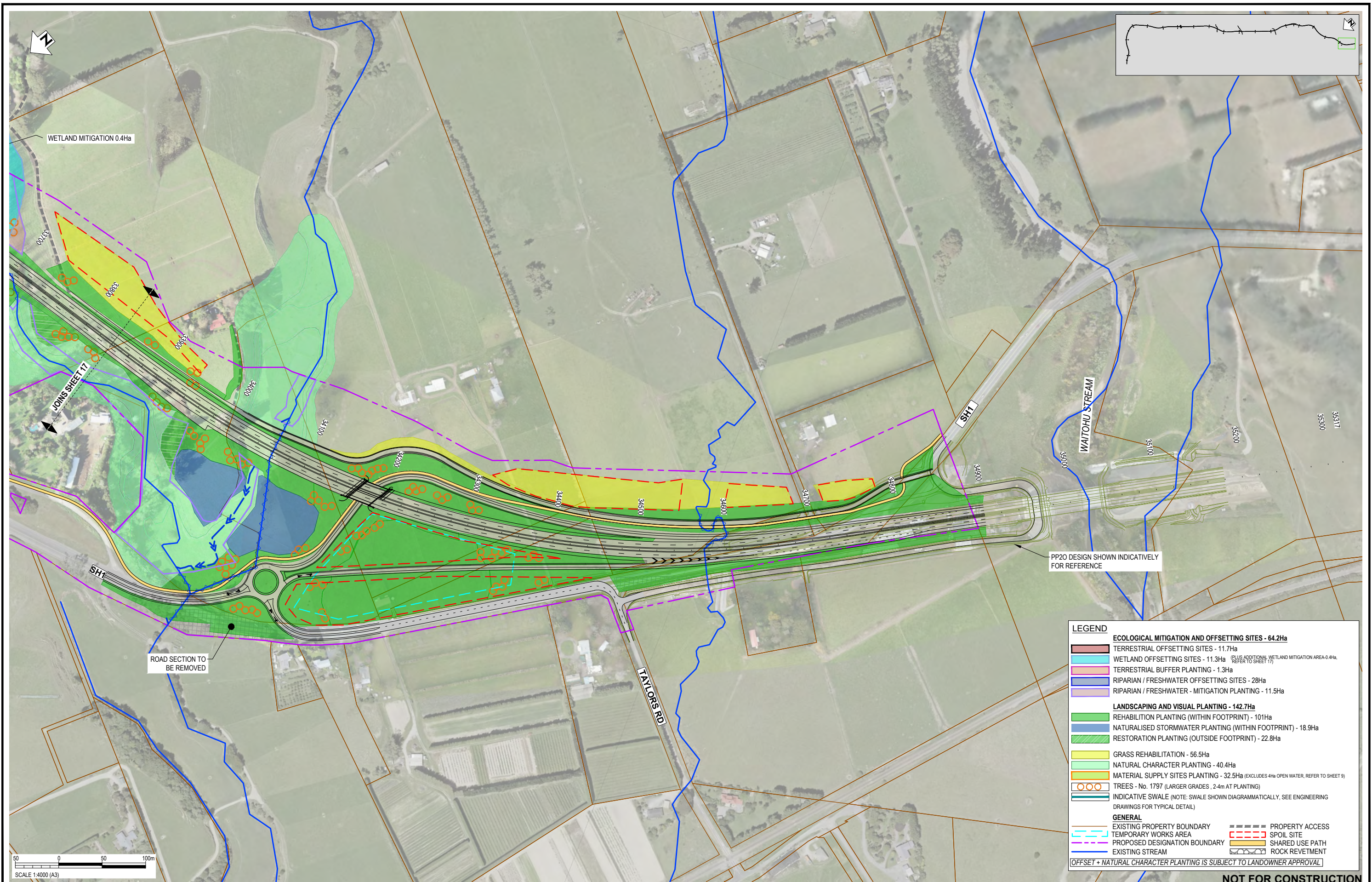
STAGE	NAME	DATE
SURVEYED		
DESIGNED	Sophie Fisher	13.04.22
DRAWN	Sophie Fisher	13.04.22
CAD REVIEW	Matt Hopkins	10.10.22
DESIGN CHECK	Lisa Rimmer	10.10.22
DESIGN REVIEW	Gavin Lister	10.10.22
APPROVED	Jon England	13.10.23

Client:

WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 16

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C2015
Rev.	D



LEGEND	
ECOLOGICAL MITIGATION AND OFFSETTING SITES - 64.2Ha	
[Red outline]	TERRESTRIAL OFFSETTING SITES - 11.7Ha
[Light blue outline]	WETLAND OFFSETTING SITES - 11.3Ha (PLUS ADDITIONAL WETLAND MITIGATION AREA-0.4Ha REFER TO SHEET 17)
[Pink outline]	TERRESTRIAL BUFFER PLANTING - 1.3Ha
[Blue outline]	RIPARIAN / FRESHWATER OFFSETTING SITES - 28Ha
[Purple outline]	RIPARIAN / FRESHWATER - MITIGATION PLANTING - 11.5Ha
LANDSCAPING AND VISUAL PLANTING - 142.7Ha	
[Light green fill]	REHABILITATION PLANTING (WITHIN FOOTPRINT) - 101Ha
[Medium green fill]	NATURALISED STORMWATER PLANTING (WITHIN FOOTPRINT) - 18.9Ha
[Dark green fill]	RESTORATION PLANTING (OUTSIDE FOOTPRINT) - 22.8Ha
[Yellow fill]	GRASS REHABILITATION - 56.5Ha
[Light green fill]	NATURAL CHARACTER PLANTING - 40.4Ha
[Orange fill]	MATERIAL SUPPLY SITES PLANTING - 32.5Ha (EXCLUDES 4Ha OPEN WATER, REFER TO SHEET 9)
[Orange circles]	TREES - No. 1797 (LARGER GRADES, 2.4m AT PLANTING)
[Blue dashed line]	INDICATIVE SWALE (NOTE: SWALE SHOWN DIAGRAMMATICALLY, SEE ENGINEERING DRAWINGS FOR TYPICAL DETAIL)
GENERAL	
[Red dashed line]	EXISTING PROPERTY BOUNDARY
[Blue dashed line]	TEMPORARY WORKS AREA
[Purple dashed line]	PROPOSED DESIGNATION BOUNDARY
[Blue solid line]	EXISTING STREAM
[Red dashed line]	PROPERTY ACCESS
[Orange dashed line]	SPOIL SITE
[Yellow dashed line]	SHARED USE PATH
[Grey dashed line]	ROCK REVETMENT
OFFSET + NATURAL CHARACTER PLANTING IS SUBJECT TO LANDOWNER APPROVAL	

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DRN	CHK	APP	DATE
D	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	JE	13.10.23
C	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	MN	GL	PP	30.06.23
B	PLANTING LEGEND AND HATCHES UPDATED - ISSUED FOR RMA CONSENT	BH	JP	JP	21.12.22
A	ISSUED FOR RMA CONSENT	MH	JP	JP	10.10.22

STATUS	NAME	DATE
SURVEYED		
DESIGNED	Sophie Fisher	13.04.22
DRAWN	Sophie Fisher	13.04.22
CAD REVIEW	Matt Hopkins	10.10.22
DESIGN CHECK	Lisa Rimmer	10.10.22
DESIGN REVIEW	Gavin Lister	10.10.22
APPROVED	Jon England	13.10.23

Client:




WAKA KOTAHI
OTAKI TO NORTH OF LEVIN PROJECT

PLANTING CONCEPT PLAN: RMA PURPOSE TYPE
SHEET 18

Status Stamp	FOR CONSENT
Date Stamp	13.10.23
Scale	1 : 4000 (A3)
Drawing No.	310203848-01-700-C2017
Rev.	D