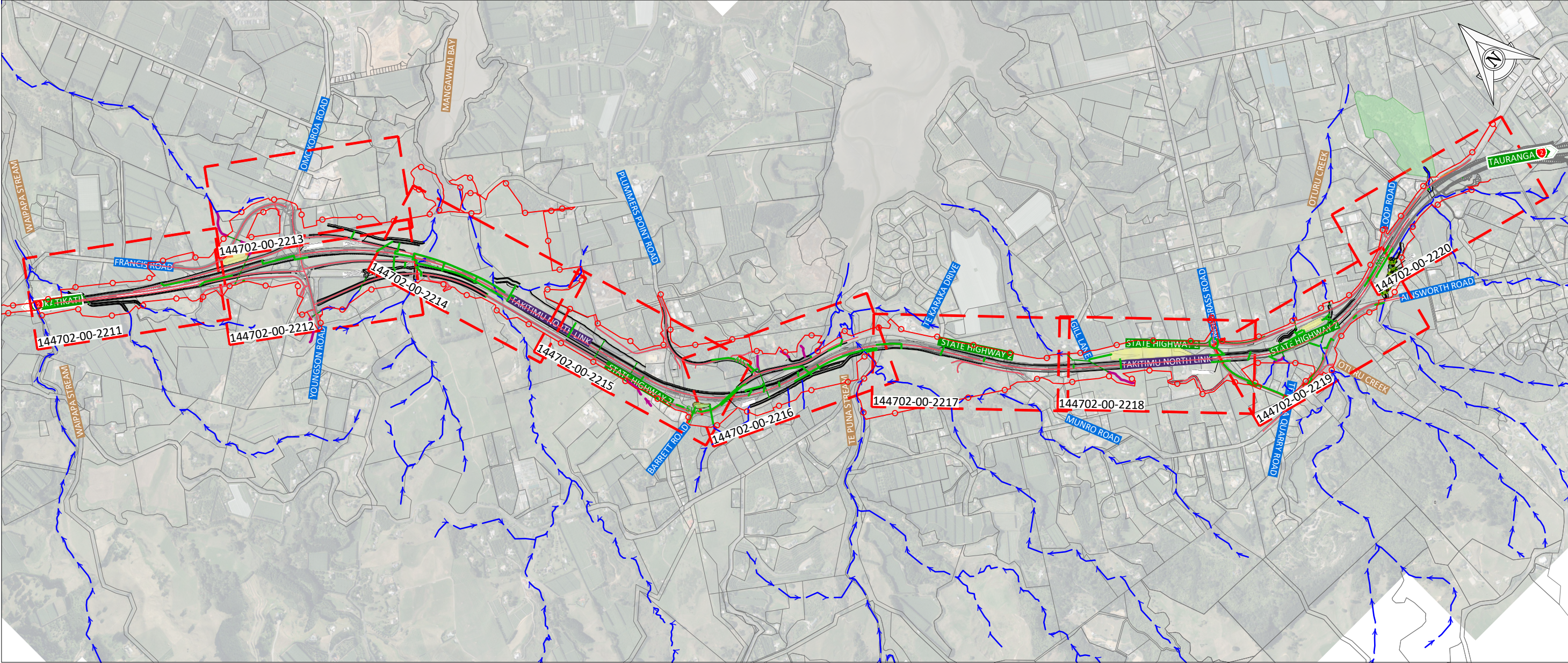


100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

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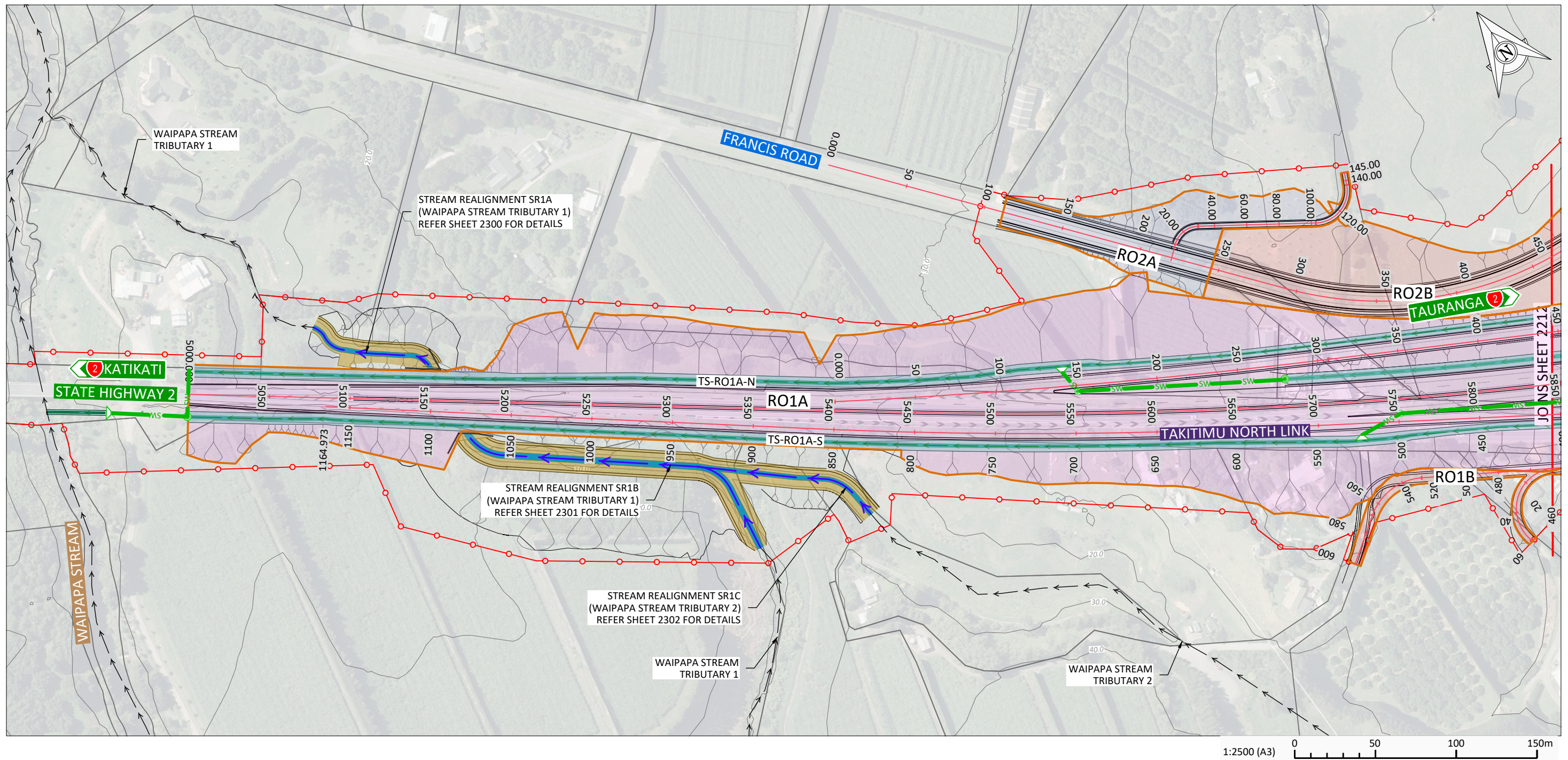
G	30.07.2025	FTAA APPLICATION	SAP	EV	EV	DESIGNED	CHECKED
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	PK	EV
F	27.02.2025	UPDATE AFTER TNL-1 WESTERN TIE-IN RE-DESIGN	GK	EV	EV	DRAWN	APPROVED
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	WT	EV
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV		
B	15.11.2023	RESPONSE TO PEER REVIEW	JRL	EV			
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	WT	EV	SB	mx model version:	
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR		



PROJECT
TAKITIMU NORTH LINK STAGE 2

DRAWING
STORMWATER MANAGEMENT
KEYPLAN

STATUS PRELIMINARY	
DATE 03.03.2021	SCALE (ORIGINAL SIZE A3) 1:20000
DRAWING NUMBER 144702-00-2210	REVISION G



CATCHMENT AREA	
ID CODE	TOTAL AREA (ha)
RO1A	9.25
RO1B	0.88
RO2A	0.63
RO2B	1.57

KEY: BOUNDARIES	
	LEGAL BOUNDARIES
	PROPOSED DESIGNATION BOUNDARY

KEY: STORMWATER MANAGEMENT	
	CATCHMENT BOUNDARIES
	PROPOSED STORMWATER PIPE
	PROPOSED CATCHPIT
	PROPOSED MANHOLE
	PROPOSED SCRUFFY DOME
	PROPOSED OUTLET
	STREAM REALIGNMENT
	PROPOSED OPEN DRAIN/SWALES
	PROPOSED TREATMENT WETLAND
	PROPOSED ATTENUATION DEVICE
	PROPOSED ATTENUATION AND TREATMENT WETLAND

F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	JRL/GK	EV
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	JRL	EV
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	JRL	EV
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV	JRL	EV
B	15.11.2023	RESPONSE TO PEER REVIEW	JRL	EV	EV	JRL	EV
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	WT	EV	CM	JRL	EV
DATE		ISSUE/REVISION DETAIL	BY	CHK	APPR	mx model version:	

CLIENT

TAKITIMU NORTH LINK STAGE 2

DRAWING

STORMWATER MANAGEMENT PLANS
GENERAL ARRANGEMENT,
WETLANDS, SWALES & PIPE NETWORKS
SHEET 1 OF 10

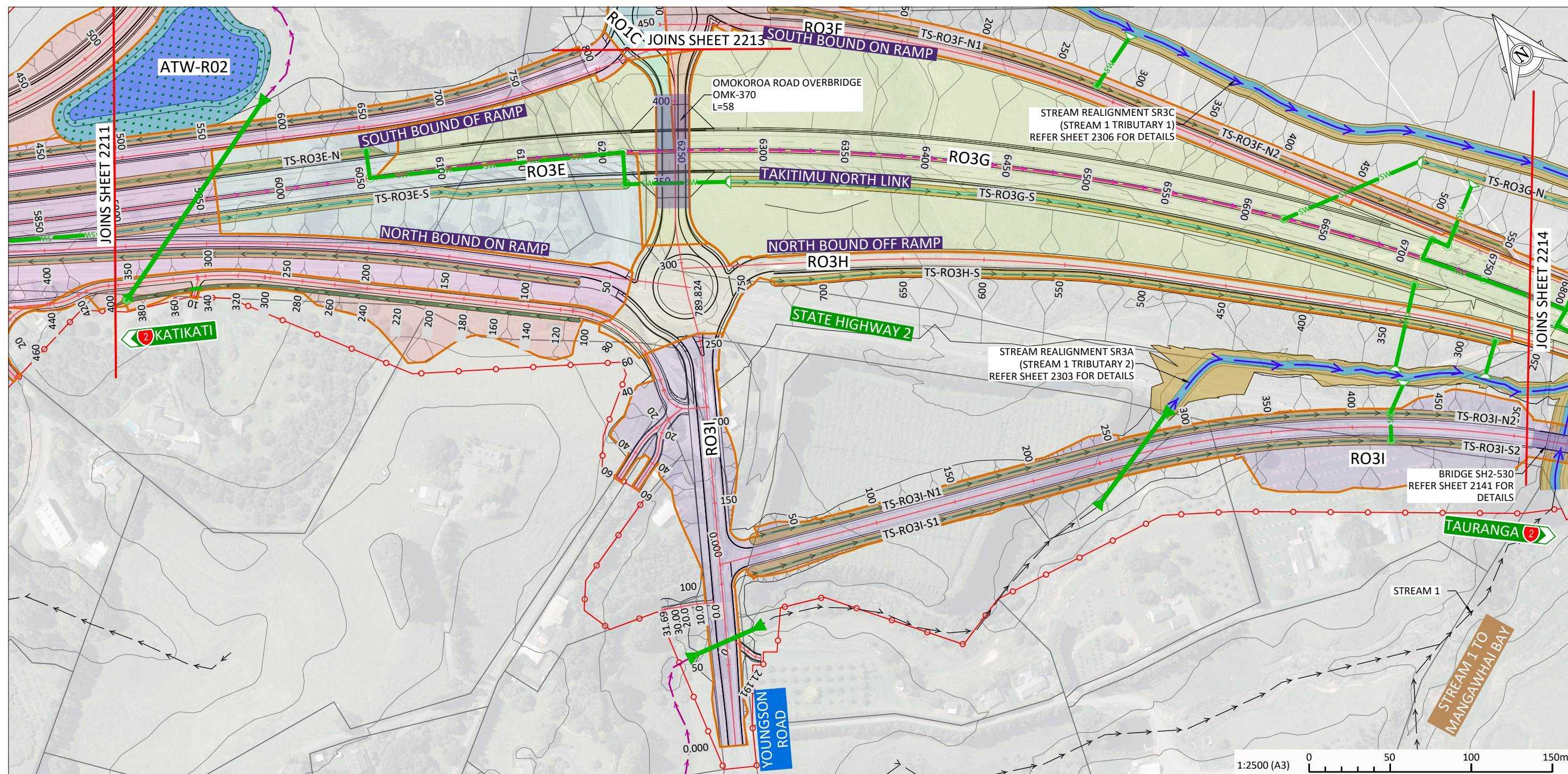
STATUS

PRELIMINARY

DATE 03.02.2022

DRAWING NUMBER 144702-00-2211

REVISION F



CATCHMENT AREA

ID CODE	TOTAL AREA (ha)
RO1A	8.5
RO1C	0.27
RO3E	1.52
RO3F	1.24
RO3G	6.46
RO3H	1.2
RO3I	2.66

KEY: BOUNDARIES

- LEGAL BOUNDARIES
- PROPOSED DESIGNATION BOUNDARY

KEY: STORMWATER MANAGEMENT

- CATCHMENT BOUNDARIES
- PROPOSED STORMWATER PIPE
- PROPOSED CATCHPIT
- PROPOSED MANHOLE
- PROPOSED SCRUFFY DOME
- PROPOSED OUTLET
- STREAM REALIGNMENT
- PROPOSED OPEN DRAIN/SWALES
- PROPOSED TREATMENT WETLAND
- PROPOSED ATTENUATION DEVICE
- PROPOSED ATTENUATION AND TREATMENT WETLAND

F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	DESIGNED	CHECKED
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	JL/GK	EV
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	DRAWN	APPROVED
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV	JRL	EV
B	15.11.2023	RESPONSE TO PEER REVIEW	JRL	EV			
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	WT	EV		mx model version:	
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR		

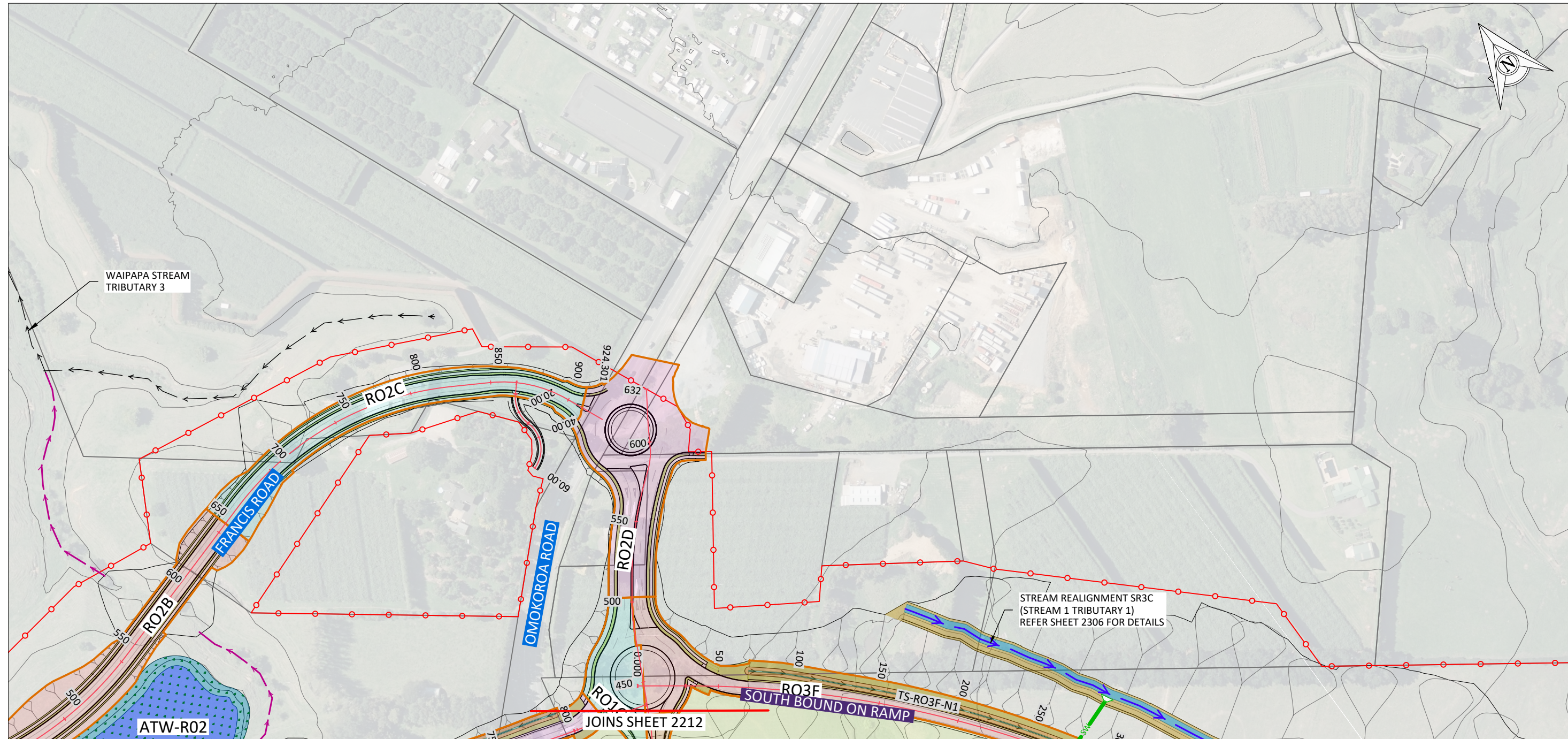
PROJECT
TAKITIMU NORTH LINK STAGE 2DRAWING
STORMWATER MANAGEMENT PLANS
GENERAL ARRANGEMENT,
WETLANDS, SWALES & PIPE NETWORKS
SHEET 2 OF 10STATUS
PRELIMINARY
DATE
03.02.2022
SCALE (ORIGINAL SIZE A3)
AS SHOWN
DRAWING NUMBER
144702-00-2212
REVISION
F

100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

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C:\226\stakeholder\10.7.120\A1\44702 - Takitimu North Link Stage 2_5090\03 Drawings\00144702-00-2213.dwg 30/7/2025 3:15 pm spm1 Plotted: 30 Jul 2025 3:15 pm



1:2500 (A3) 0 50 100 150m

CATCHMENT AREA	
ID CODE	TOTAL AREA (ha)
RO1C	0.27
RO2B	1.57
RO2C	0.52
RO2D	0.66
RO3F	1.24

KEY: BOUNDARIES

- LEGAL BOUNDARIES
- PROPOSED DESIGNATION BOUNDARY

KEY: STORMWATER MANAGEMENT

- CATCHMENT BOUNDARIES
- PROPOSED STORMWATER PIPE
- PROPOSED CATCHPIT
- PROPOSED MANHOLE
- PROPOSED SCRUFFY DOME
- PROPOSED OUTLET
- STREAM REALIGNMENT
- PROPOSED OPEN DRAIN/SWALES
- PROPOSED TREATMENT WETLAND
- PROPOSED ATTENUATION DEVICE
- PROPOSED ATTENUATION AND TREATMENT WETLAND

F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	DESIGNED	CHECKED
E	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	JL/GK	EV
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	DRAWN	APPROVED
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV	WT/JRL	EV
B	15.11.2023	RESPONSE TO PEER REVIEW	JRL	EV		mx model version:	
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	WT	EV			
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR		



PROJECT
TAKITIMU NORTH LINK STAGE 2

DRAWING
STORMWATER MANAGEMENT PLANS
GENERAL ARRANGEMENT,
WETLANDS, SWALES & PIPE NETWORKS
SHEET 3 OF 10

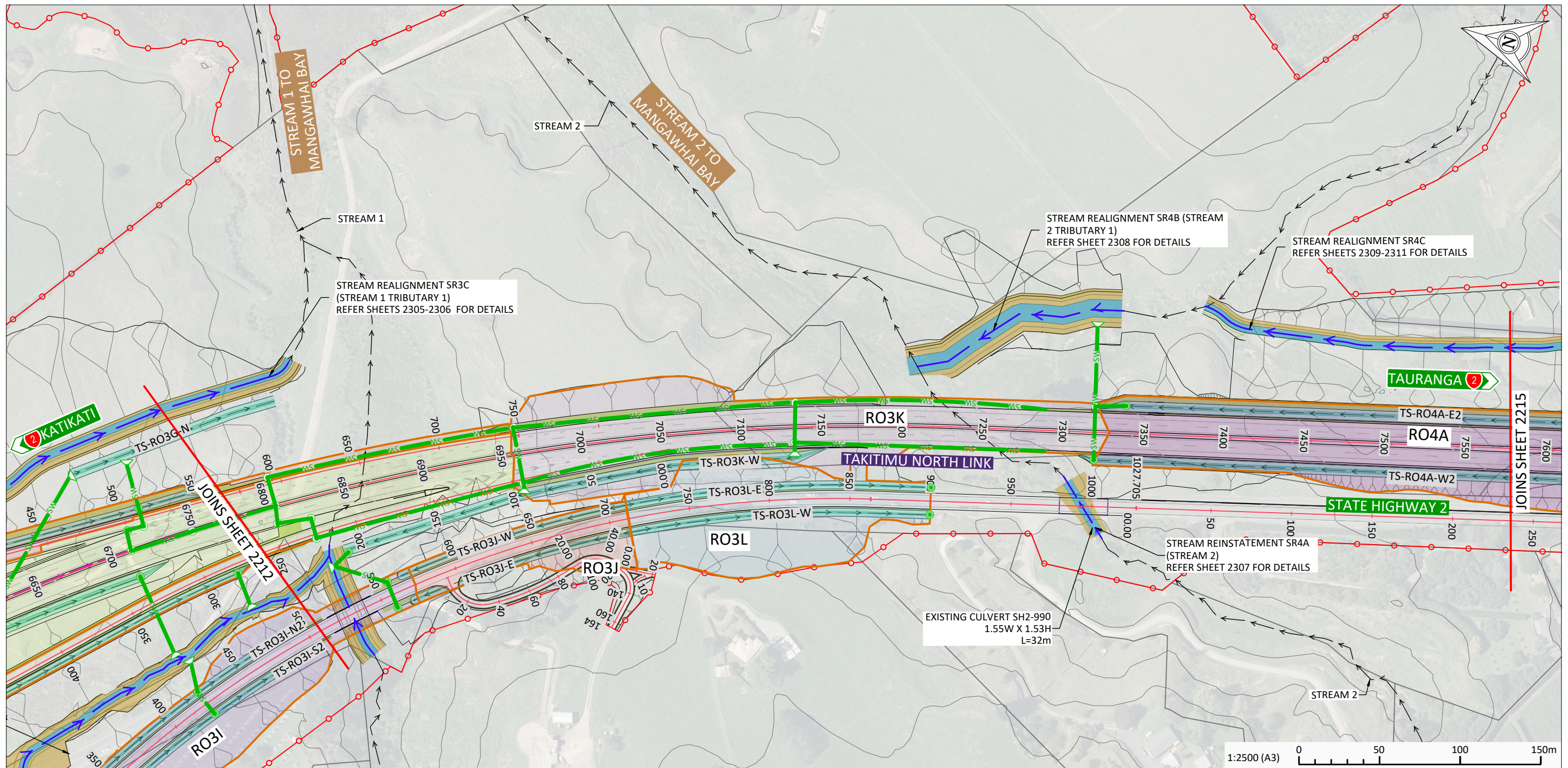
STATUS PRELIMINARY	
DATE 03.02.2022	SCALE (ORIGINAL SIZE A3) AS SHOWN
DRAWING NUMBER 144702-00-2213	REVISION F

100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

0

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CATCHMENT AREA	
ID CODE	TOTAL AREA (ha)
RO3I	2.7
RO3J	0.41
RO3K	1.7
RO3L	1.02
RO4A	4.5

KEY: BOUNDARIES	
	LEGAL BOUNDARIES
	PROPOSED DESIGNATION BOUNDARY

KEY: STORMWATER MANAGEMENT	
	CATCHMENT BOUNDARIES
	PROPOSED STORMWATER PIPE
	PROPOSED CATCHPIT
	PROPOSED MANHOLE
	PROPOSED SCRUFFY DOME
	PROPOSED OUTLET
	STREAM REALIGNMENT
	PROPOSED OPEN DRAIN/SWALES
	PROPOSED TREATMENT WETLAND
	PROPOSED ATTENUATION DEVICE
	PROPOSED ATTENUATION AND TREATMENT WETLAND

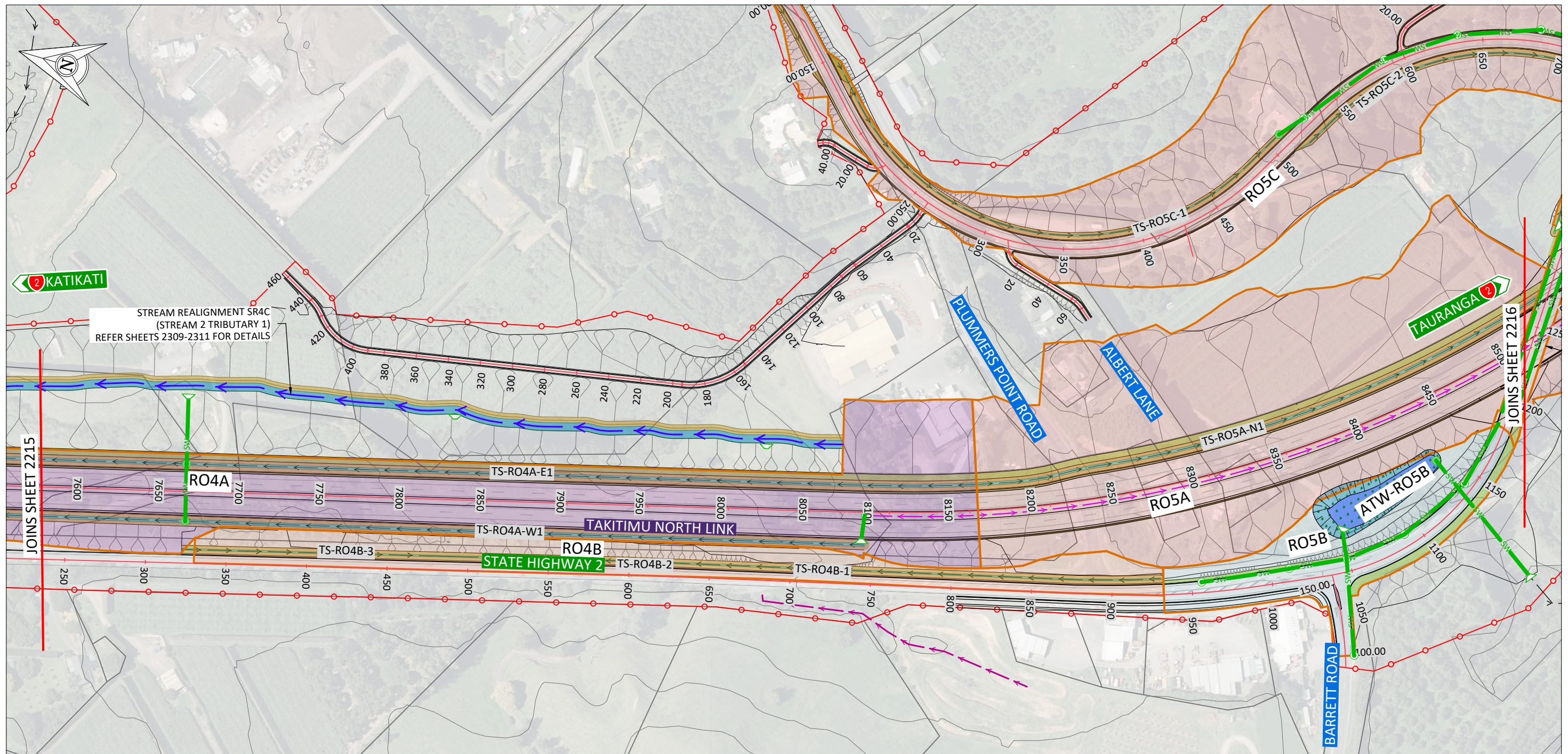
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F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	DRAWN	WT/JRL	APPROVED
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV			EV
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV			
B	15.11.2023	RESPONSE TO PEER REVIEW	JRL	EV				
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	WT	EV				
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR	mx model version:		



TAKITIMU NORTH LINK STAGE 2

STORMWATER MANAGEMENT PLANS
GENERAL ARRANGEMENT,
WETLANDS, SWALES & PIPE NETWORKS
SHEET 4 OF 10

STATUS		PRELIMINARY	
DATE	03.02.2022	SCALE (ORIGINAL SIZE A3)	AS SHOWN
DRAWING NUMBER	144702-00-2214	REVISION	F



1:2500 (A3) 0 50 100 150m

CATCHMENT AREA	
ID CODE	TOTAL AREA (ha)
RO4A	4.5
RO4B	1.2
RO5A	8.6
RO5B	1.07
RO5C	3.44

KEY: BOUNDARIES	
	LEGAL BOUNDARIES
	PROPOSED DESIGNATION BOUNDARY

KEY: STORMWATER MANAGEMENT	
	CATCHMENT BOUNDARIES
	PROPOSED STORMWATER PIPE
	PROPOSED CATCHPIT
	PROPOSED MANHOLE
	PROPOSED SCRUFFY DOME
	PROPOSED OUTLET
	STREAM REALIGNMENT
	PROPOSED OPEN DRAIN/SWALES
	PROPOSED TREATMENT WETLAND
	PROPOSED ATTENUATION DEVICE
	PROPOSED ATTENUATION AND TREATMENT WETLAND

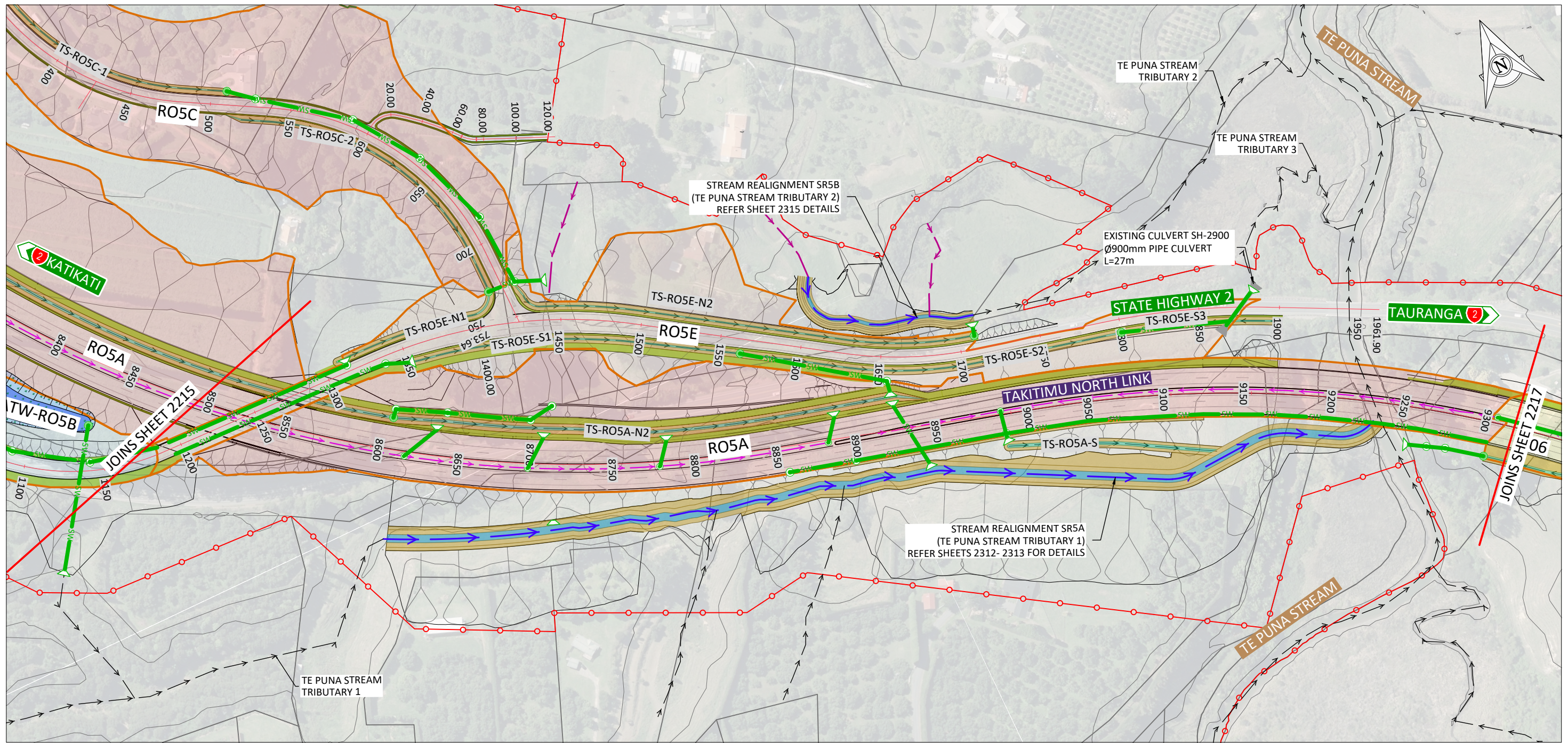
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F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	DRAWN	WT/JRL	APPROVED	EV
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV				
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV				
B	15.11.2023	RESPONSE TO PEER REVIEW	JRL	EV					
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	WT	EV					
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR	mx model version:			



PROJECT
TAKITIMU NORTH LINK STAGE 2

DRAWING
STORMWATER MANAGEMENT PLANS
GENERAL ARRANGEMENT,
WETLANDS, SWALES & PIPE NETWORKS
SHEET 5 OF 10

STATUS PRELIMINARY	
DATE 03.02.2022	SCALE (ORIGINAL SIZE A3) AS SHOWN
DRAWING NUMBER 144702-00-2215	REVISION F



1:2500 (A3) 0 50 100 150m

CATCHMENT AREA	
ID CODE	TOTAL AREA (ha)
RO5A	8.6
RO5C	3.44
RO5E	2.5

KEY: BOUNDARIES	
	LEGAL BOUNDARIES
	PROPOSED DESIGNATION BOUNDARY

KEY: STORMWATER MANAGEMENT	
	CATCHMENT BOUNDARIES
	PROPOSED STORMWATER PIPE
	PROPOSED CATCHPIT
	PROPOSED MANHOLE
	PROPOSED SCRUFFY DOME
	PROPOSED OUTLET
	STREAM REALIGNMENT
	PROPOSED OPEN DRAIN/SWALES
	PROPOSED TREATMENT WETLAND
	PROPOSED ATTENUATION DEVICE
	PROPOSED ATTENUATION AND TREATMENT WETLAND

F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	JL/GK	EV
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	DRAWN	EV
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	WT/JRL	APPROVED
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV		EV
B	15.11.2023	RESPONSE TO PEER REVIEW	JRL	EV			
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	WT	EV			
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR		



CLIENT
TAKITIMU NORTH LINK STAGE 2

DRAWING
STORMWATER MANAGEMENT PLANS
GENERAL ARRANGEMENT,
WETLANDS, SWALES & PIPE NETWORKS
SHEET 6 OF 10

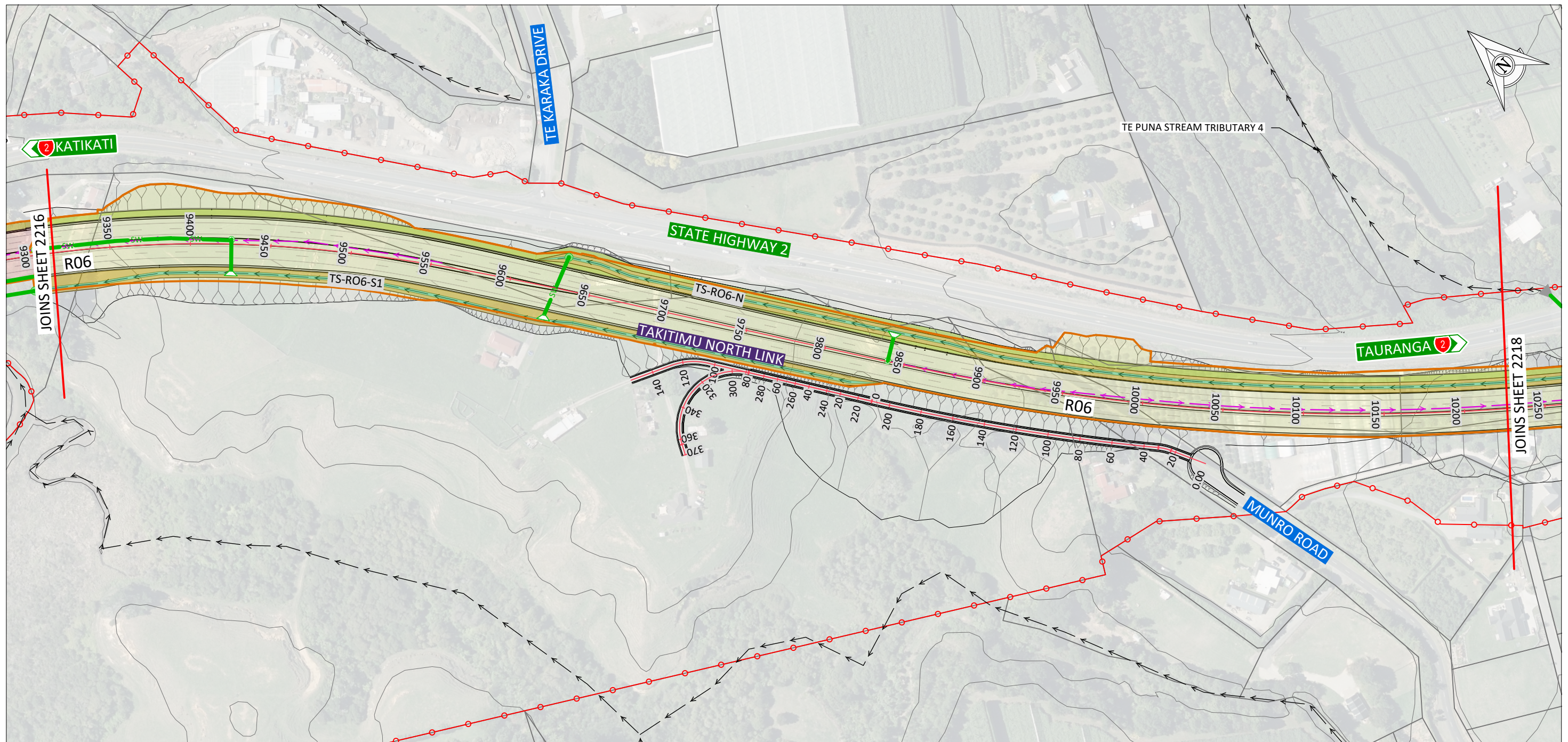
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DATE 03.02.2022	SCALE (ORIGINAL SIZE A3) AS SHOWN
DRAWING NUMBER 144702-00-2216	REVISION F

100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

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1:2500 (A3) 0 50 100 150m

CATCHMENT AREA	
ID CODE	TOTAL AREA (ha)
RO6	5.4

KEY: BOUNDARIES

- LEGAL BOUNDARIES
- PROPOSED DESIGNATION BOUNDARY

KEY: STORMWATER MANAGEMENT

- CATCHMENT BOUNDARIES
- PROPOSED STORMWATER PIPE
- PROPOSED CATCHPIT
- PROPOSED MANHOLE
- PROPOSED SCRUFFY DOME
- PROPOSED OUTLET
- STREAM REALIGNMENT
- PROPOSED OPEN DRAIN/SWALES
- PROPOSED TREATMENT WETLAND
- PROPOSED ATTENUATION DEVICE
- PROPOSED ATTENUATION AND TREATMENT WETLAND

F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	JL/GK	EV
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	DRAWN	EV
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	PK	EV
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV		
B	15.11.2023	RESPONSE TO PEER REVIEW	JRL	EV			
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	WT	EV			
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR		

DESIGNED	CHECKED
JL/GK	EV
DRAWN	EV
PK	EV
mx model version:	



PROJECT
TAKITIMU NORTH LINK STAGE 2

DRAWING
STORMWATER MANAGEMENT PLANS
GENERAL ARRANGEMENT,
WETLANDS, SWALES & PIPE NETWORKS
SHEET 7 OF 10

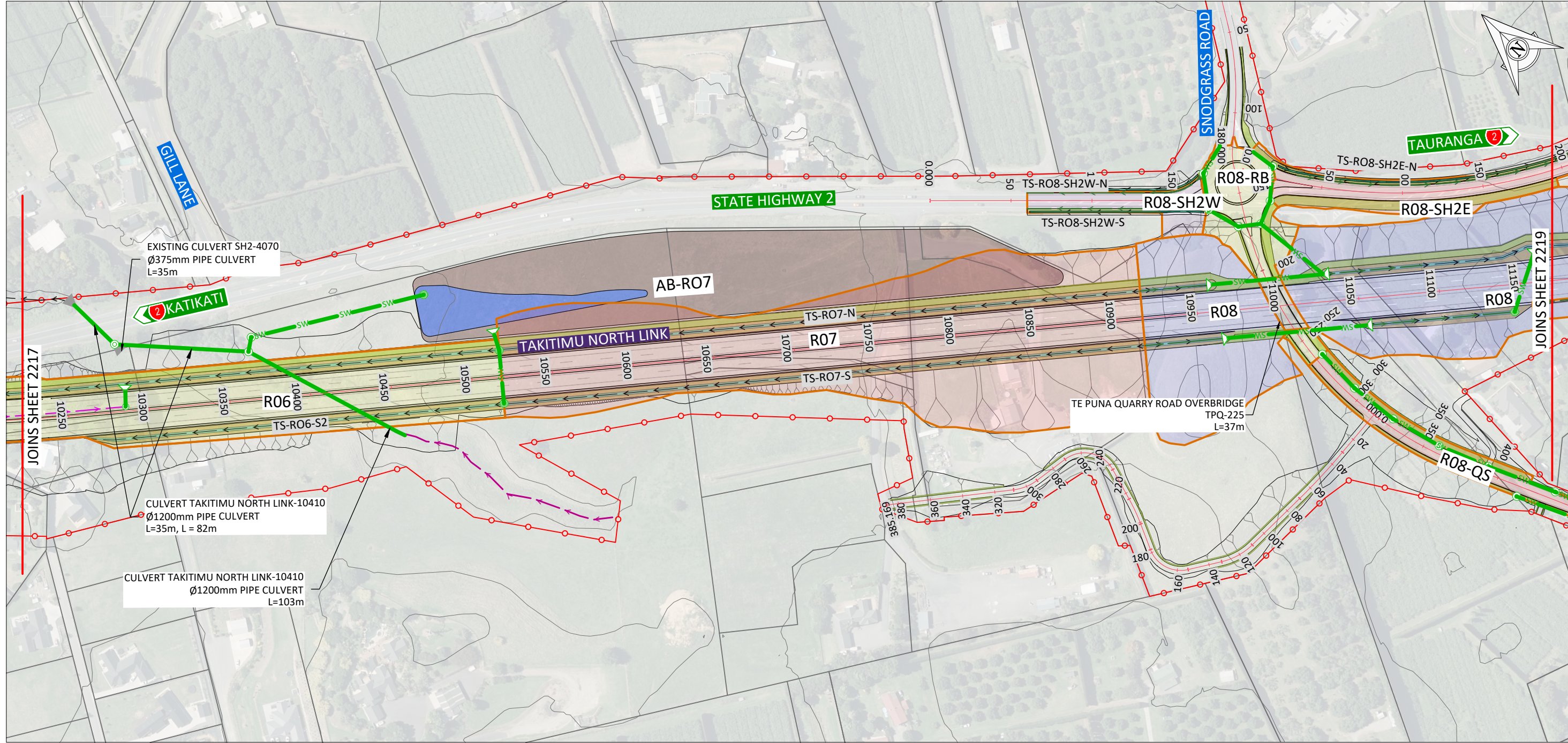
STATUS PRELIMINARY	
DATE 03.02.2022	SCALE (ORIGINAL SIZE A3) AS SHOWN
DRAWING NUMBER 144702-00-2217	REVISION F

100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

0

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1:2500 (A3) 0 50 100 150m

CATCHMENT AREA	
ID CODE	TOTAL AREA (ha)
R06	5.4
R07	3.05
R08	6.0
R08-RB	0.39
R08-SH2W	0.19
R08-QS	0.28

KEY: BOUNDARIES	
	LEGAL BOUNDARIES
	PROPOSED DESIGNATION BOUNDARY

KEY: STORMWATER MANAGEMENT	
	CATCHMENT BOUNDARIES
	PROPOSED STORMWATER PIPE
	PROPOSED CATCHPIT
	PROPOSED MANHOLE
	PROPOSED SCRUFFY DOME
	PROPOSED OUTLET
	STREAM REALIGNMENT
	PROPOSED OPEN DRAIN/SWALES
	PROPOSED TREATMENT WETLAND
	PROPOSED ATTENUATION DEVICE
	PROPOSED ATTENUATION AND TREATMENT WETLAND

F	30.07.2025	FTAA APPLICATION	SAP	EV	EV	DESIGNED	CHECKED
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	JL/GK	EV
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	DRAWN	APPROVED
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV	PK	EV
B	15.11.2023	RESPONSE TO PEER REVIEW	JRL	EV			
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	WT	EV		mx model version:	
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR		



PROJECT
TAKITIMU NORTH LINK STAGE 2

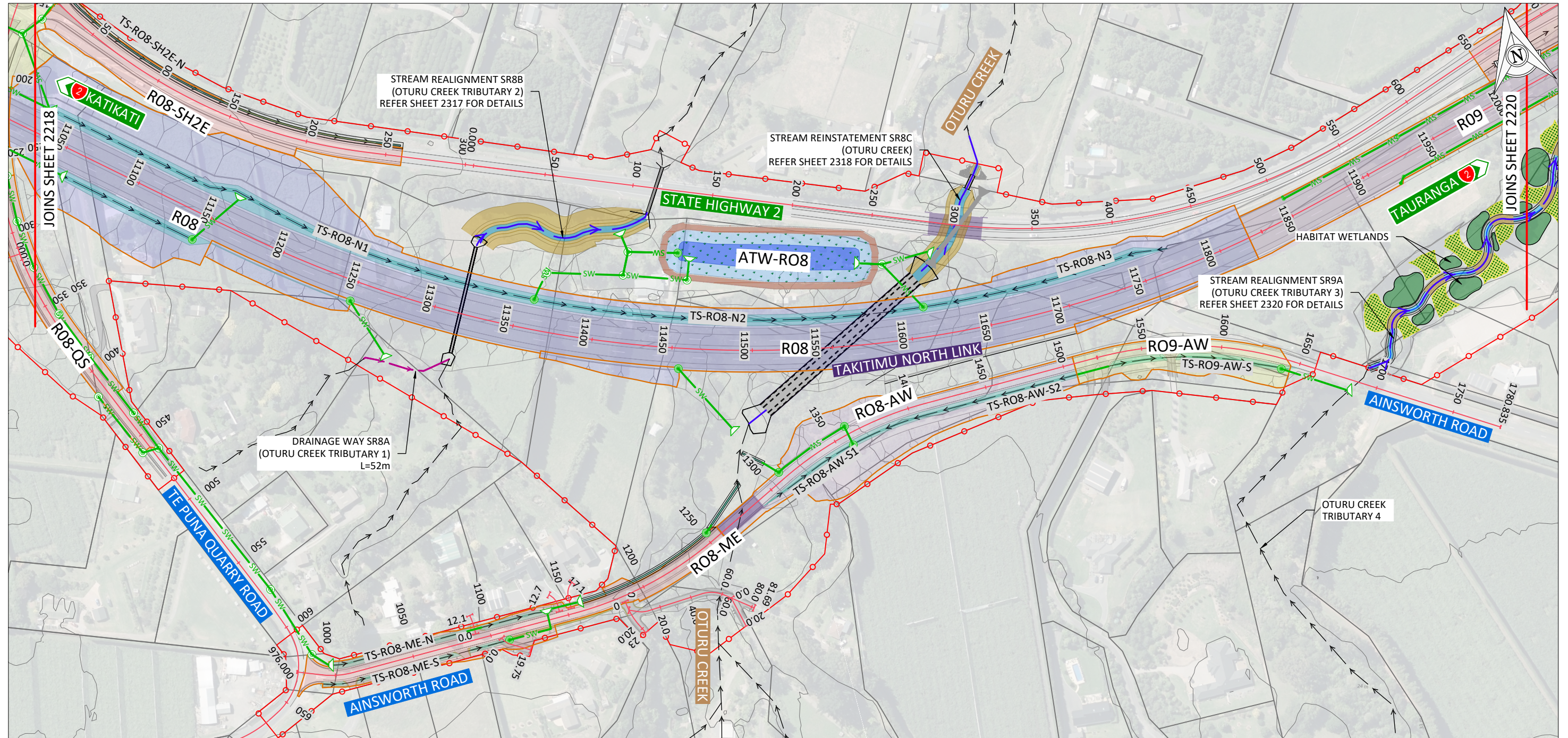
DRAWING
STORMWATER MANAGEMENT PLANS
GENERAL ARRANGEMENT,
WETLANDS, SWALES & PIPE NETWORKS
SHEET 8 OF 10

STATUS PRELIMINARY	
DATE 03.02.2022	SCALE (ORIGINAL SIZE A3) AS SHOWN
DRAWING NUMBER 144702-00-2218	REVISION F

100mm

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

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1:2500 (A3) 0 50 100 150m

CATCHMENT AREA	
ID CODE	TOTAL AREA (ha)
R08	5.5
R08-QS	0.28
R08-SH2E	0.45
R08-ME	0.44
R08-AW	0.68
R09-AW	0.28

KEY: BOUNDARIES

- LEGAL BOUNDARIES
- PROPOSED DESIGNATION BOUNDARY

KEY: STORMWATER MANAGEMENT

- CATCHMENT BOUNDARIES
- PROPOSED STORMWATER PIPE
- PROPOSED CATCHPIT
- PROPOSED MANHOLE
- PROPOSED SCRUFFY DOME
- PROPOSED OUTLET
- STREAM REALIGNMENT
- PROPOSED OPEN DRAIN/SWALES
- PROPOSED TREATMENT WETLAND
- PROPOSED ATTENUATION DEVICE
- PROPOSED ATTENUATION AND TREATMENT WETLAND

G	30.07.2025	FTAA APPLICATION	SAP	EV	EV	DESIGNED	CHECKED
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	JRL/GK	EV
E	27.02.2025	UPDATE AFTER TNL-1 WESTERN TIE-IN RE-DESIGN	GK	EV	EV	DRAWN	APPROVED
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	JRL/WT	EV
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV	mx model version:	
B	15.11.2023	RESPONSE TO PEER REVIEW	JRL	EV			
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	WT	EV			
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR		



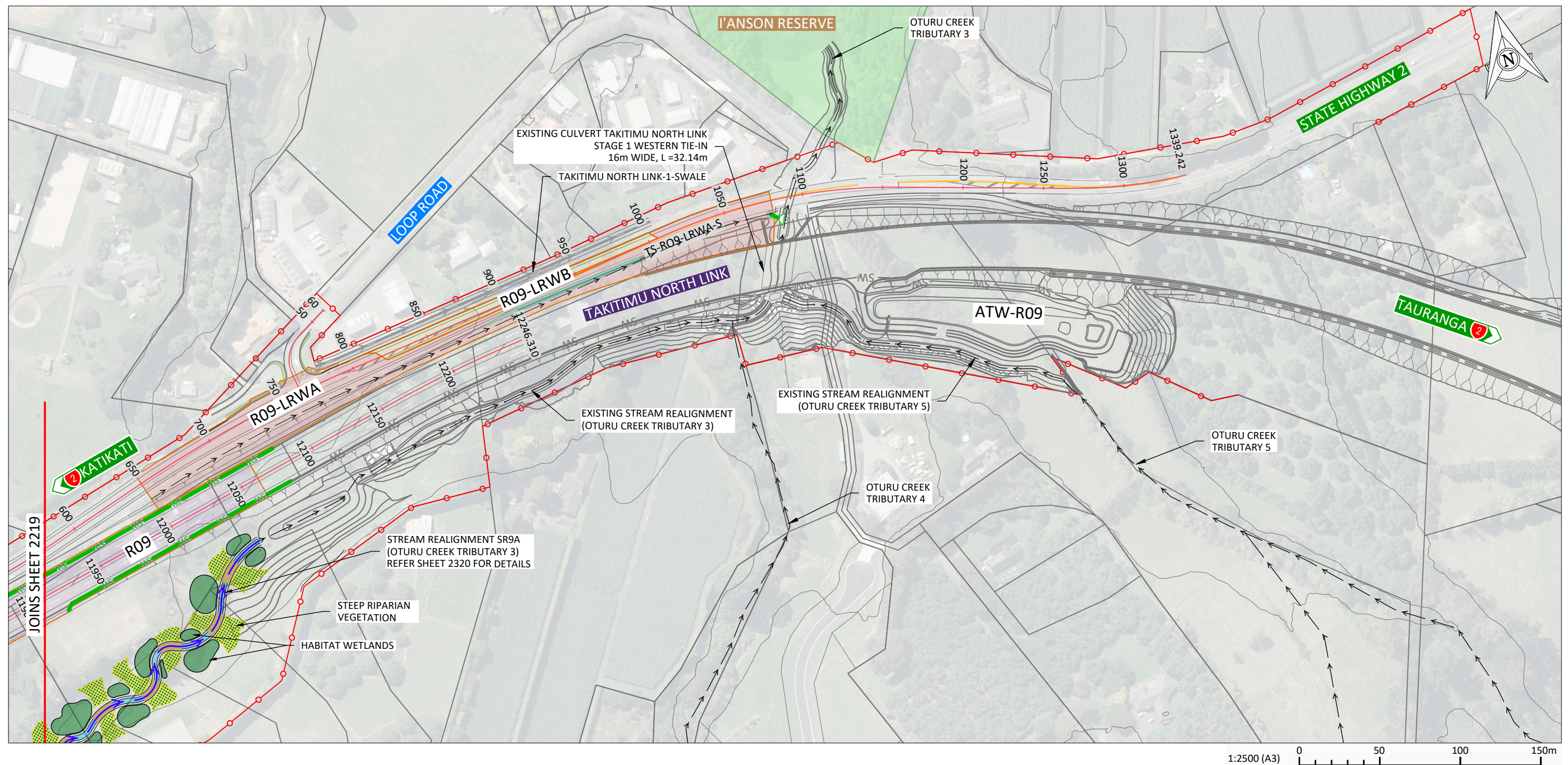
PROJECT TAKITIMU NORTH LINK STAGE 2

DRAWING
STORMWATER MANAGEMENT PLANS
GENERAL ARRANGEMENT,
WETLANDS, SWALES & PIPE NETWORKS
SHEET 9 OF 10

STATUS		PRELIMINARY	
DATE	03.02.2022	SCALE (ORIGINAL SIZE A3)	AS SHOWN
DRAWING NUMBER	144702-00-2219	REVISION	G

Version 4.0 - March 2020

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CATCHMENT AREA	
ID CODE	TOTAL AREA (ha)
R09	0.682
R09-LRWA	0.753
R09-LRWB	0.139

KEY: BOUNDARIES

- LEGAL BOUNDARIES
- PROPOSED DESIGNATION BOUNDARY

KEY: STORMWATER MANAGEMENT

- CATCHMENT BOUNDARIES
- PROPOSED STORMWATER PIPE
- PROPOSED CATCHPIT
- PROPOSED MANHOLE
- PROPOSED SCRUFFY DOME
- PROPOSED OUTLET
- STREAM REALIGNMENT
- PROPOSED OPEN DRAIN/SWALES
- PROPOSED TREATMENT WETLAND
- PROPOSED ATTENUATION DEVICE
- PROPOSED ATTENUATION AND TREATMENT WETLAND

G	30.07.2025	FTAA APPLICATION	SAP	EV	EV	DESIGNED	CHECKED
F	01.07.2025	FTAA APPLICATION - DRAFT	SAP	EV	EV	JRL/GK	EV
E	27.02.2025	UPDATE AFTER TNL-1 WESTERN TIE-IN RE-DESIGN	GK	EV	EV	DRAWN	APPROVED
D	08.11.2024	CONSENT APPLICATION UPDATE ISSUE	SAP	EV	EV	JRL/WT	EV
C	29.04.2024	CONSENT APPLICATION ISSUE	JRL	EV	EV		
B	15.11.2023	RESPONSE TO PEER REVIEW	JRL	EV			
A	01.06.2023	DRAFT SPECIMEN DESIGN ISSUE	WT	EV			
	DATE	ISSUE/REVISION DETAIL	BY	CHK	APPR	mx model version:	

PROJECT
TAKITIMU NORTH LINK STAGE 2DRAWING
STORMWATER MANAGEMENT PLANS
GENERAL ARRANGEMENT,
WETLANDS, SWALES & PIPE NETWORKS
SHEET 10 OF 10

STATUS PRELIMINARY	
DATE 03.02.2022	SCALE (ORIGINAL SIZE A3) AS SHOWN
DRAWING NUMBER 144702-00-2220	REVISION G