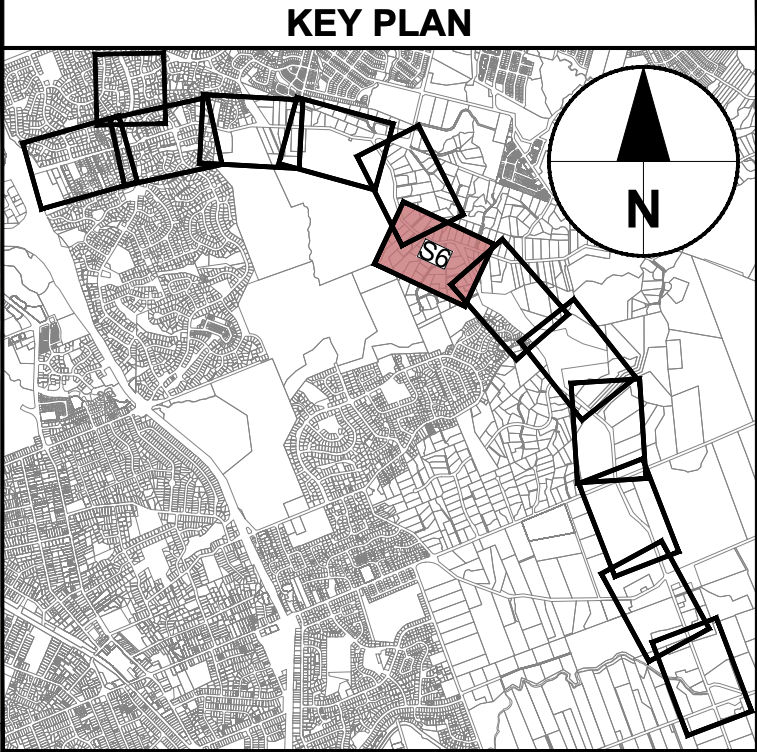
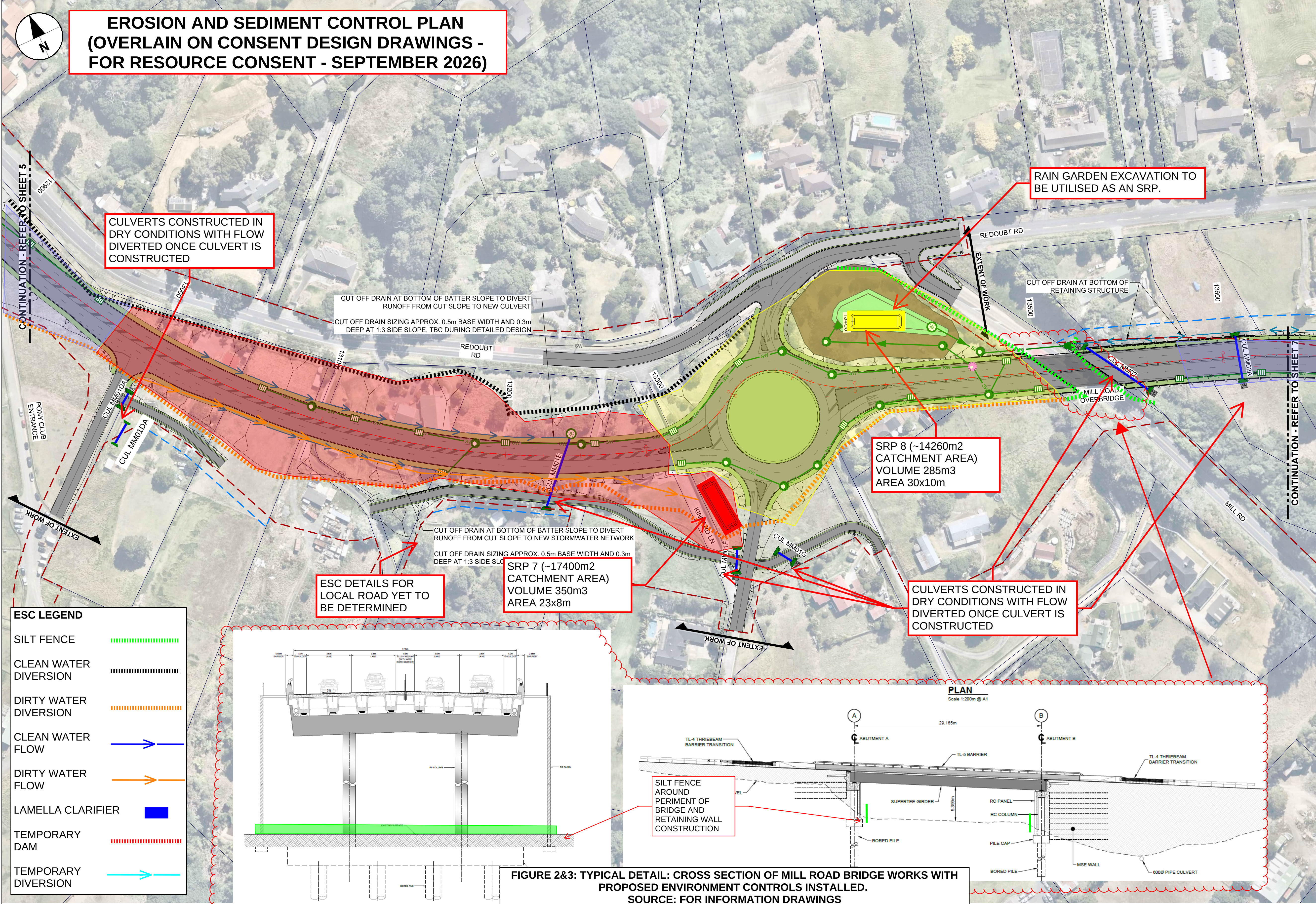
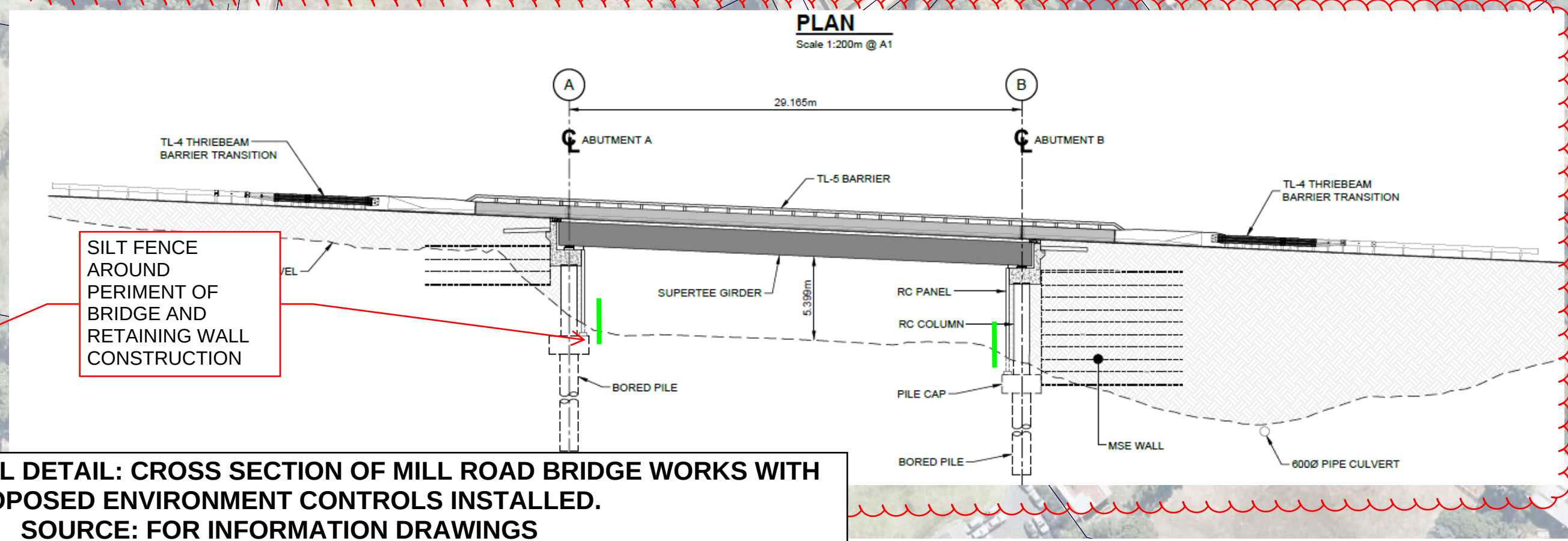
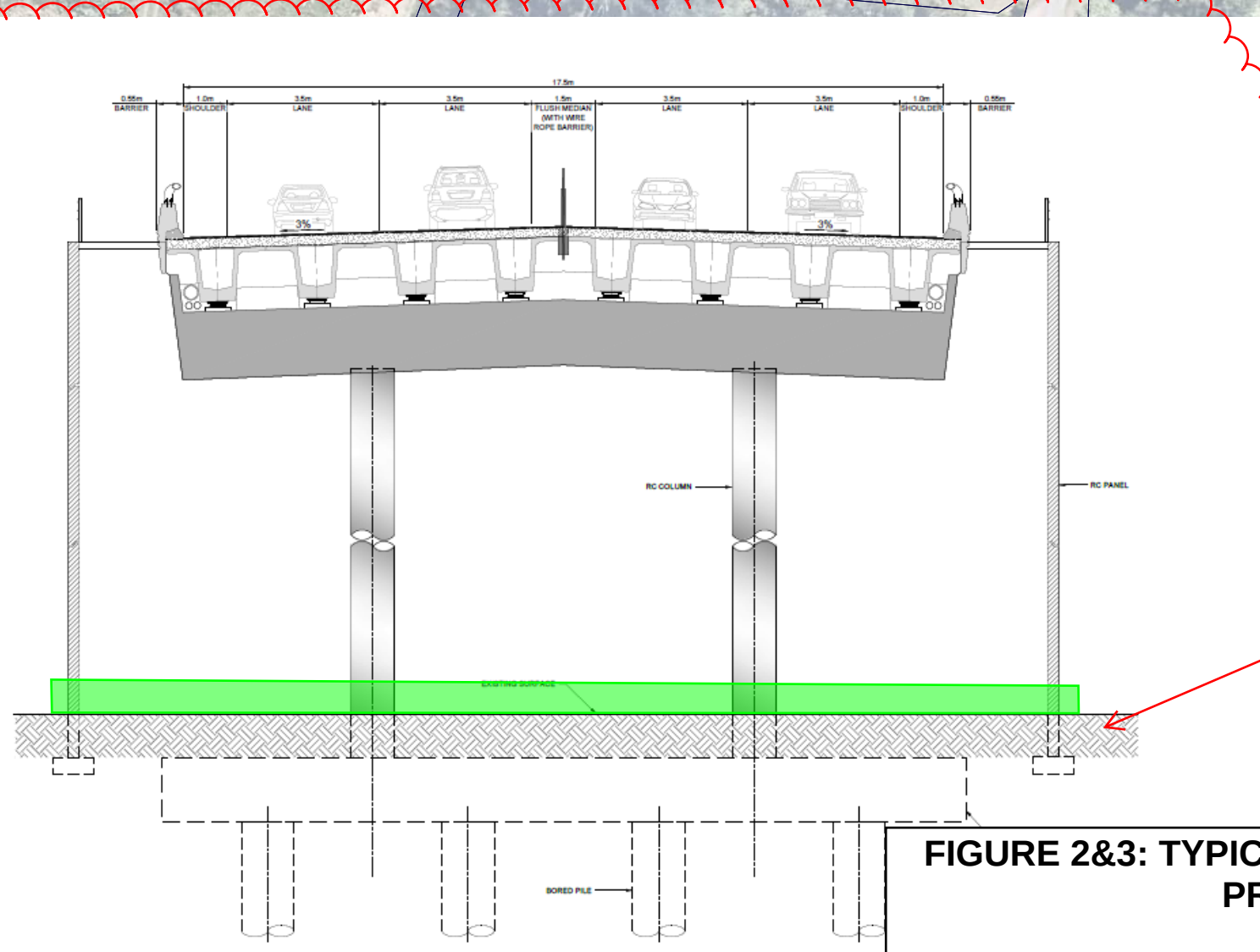


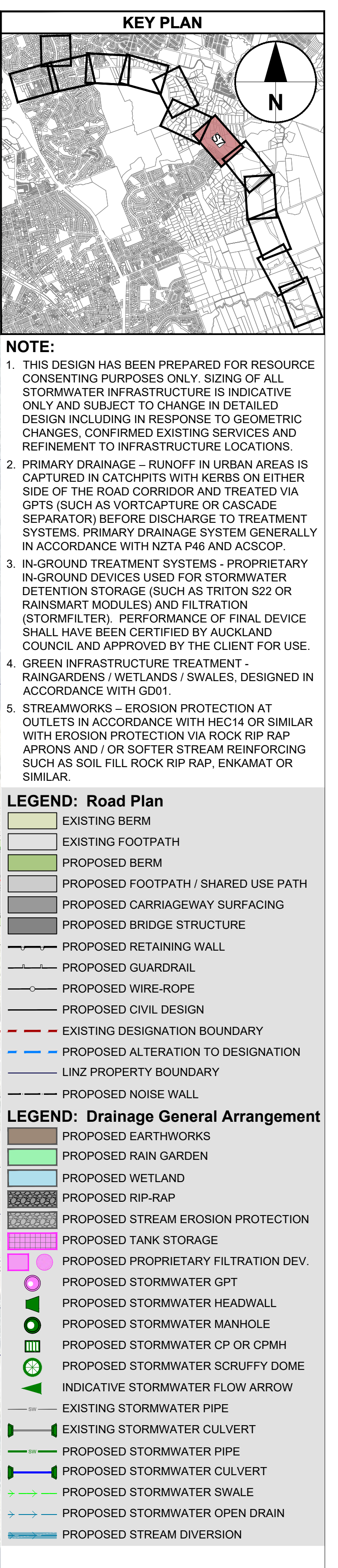
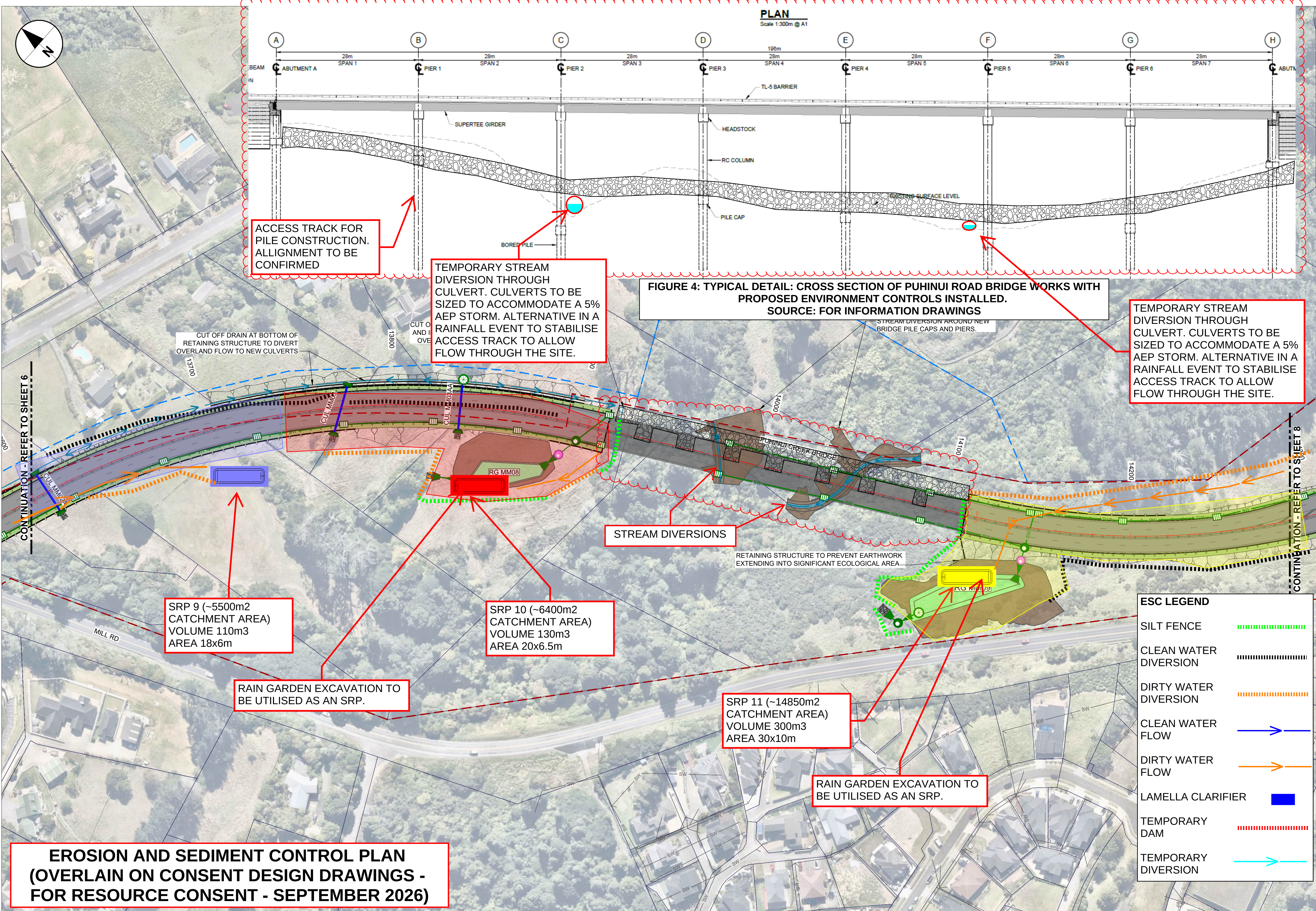


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5. STREAMWORKS - EROSION PROTECTION AT OUTLETS IN ACCORDANCE WITH HEC14 OR SIMILAR WITH EROSION PROTECTION VIA ROCK RIP RAP APRONS AND / OR SOFTER STREAM REINFORCING SUCH AS SOIL FILL ROCK RIP RAP, ENKAMAT OR SIMILAR.

- LEGEND: Road Plan**
- EXISTING BERM
 - EXISTING FOOTPATH
 - PROPOSED BERM
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 - PROPOSED CARRIAGEWAY SURFACING
 - PROPOSED BRIDGE STRUCTURE
 - PROPOSED RETAINING WALL
 - PROPOSED GUARDRAIL
 - PROPOSED WIRE-ROPE
 - PROPOSED CIVIL DESIGN
 - EXISTING DESIGNATION BOUNDARY
 - PROPOSED ALTERATION TO DESIGNATION
 - LINEZ PROPERTY BOUNDARY
 - PROPOSED NOISE WALL
- LEGEND: Drainage General Arrangement**
- PROPOSED EARTHWORKS
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 - PROPOSED WETLAND
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 - PROPOSED STORMWATER SWALE
 - PROPOSED STORMWATER OPEN DRAIN
 - PROPOSED STREAM DIVERSION





DRAINAGE GENERAL ARRANGEMENT

Scale 1:1000m @ A1

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CONSULTANT



CLIENT



PROJECT

Mill Road - Stage 1
Consenting Design

Roads of National Significance

REGISTRATION

FOR CONSENT

PROJECT MANAGEMENT INITIALS

JL	DSP	DM
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AUK46	SURVEY	NZTM
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ISSUE/REVISION

NO.	DATE	DESCRIPTION
D	14.11.25	FOR CONSENT
C	19.09.25	CONSSENTING DESIGN UPDATE
B	12.09.25	CONSSENTING DESIGN UPDATE
A	05.09.25	CONSSENTING DESIGN ISSUE

PROJECT NUMBER

60755376

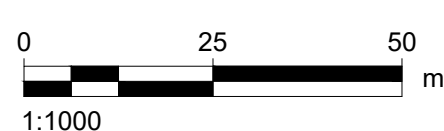
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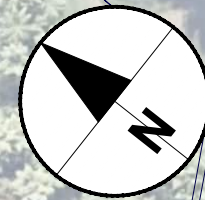
Mill Road RoNS Stage 1 FTA
Drainage General Arrangement
Sheet 7

SHEET NUMBER

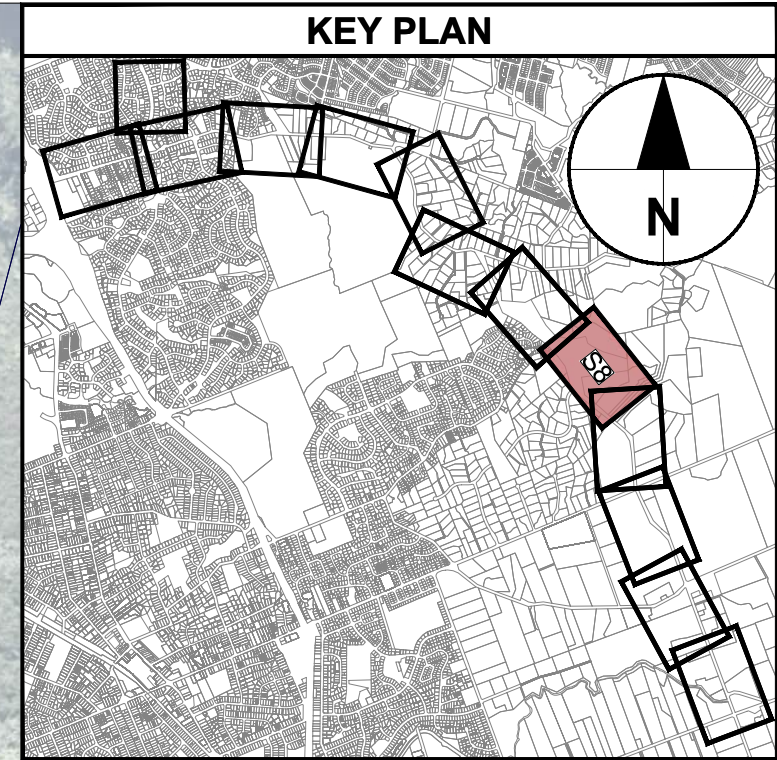
60755376-SHT-DR-0107

SCALE





**EROSION AND SEDIMENT CONTROL PLAN
(OVERLAIN ON CONSENT DESIGN DRAWINGS -
FOR RESOURCE CONSENT - SEPTEMBER 2026)**



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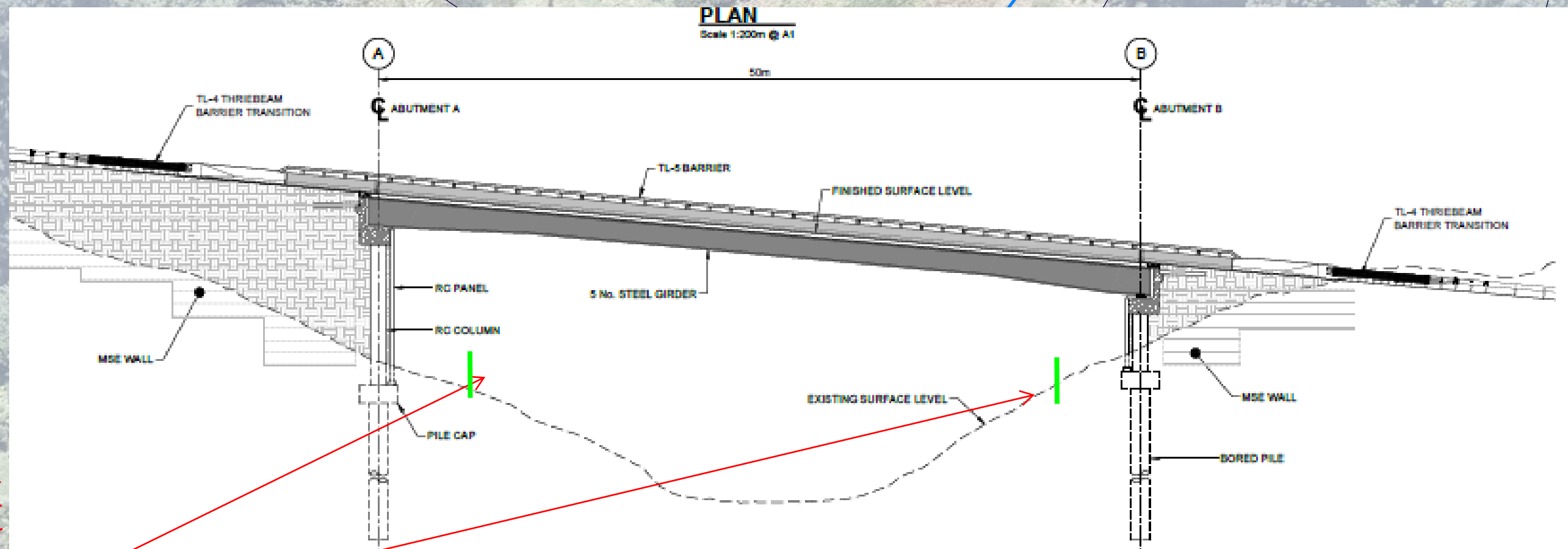


**FIGURE 5: TYPICAL DETAIL: CROSS SECTION OF CHEESMANS BUSH BRIDGE WORKS
WITH PROPOSED ENVIRONMENT CONTROLS INSTALLED.
SOURCE: FOR INFORMATION DRAWINGS**

SILT FENCE AROUND PERIMETER OF BRIDGE AND RETAINING WALL CONSTRUCTION. POTENTIAL NEED FOR A COFFER DAM IF WORK AREA EXTENDS INTO THE STREAM

SRP 12 (~6140m² CATCHMENT AREA)
VOLUME 120m³
AREA 19x6.5m

SRP 14 (~8000m² CATCHMENT AREA)
VOLUME 160m³
AREA 22x7m

SRP 13 (~12000m² CATCHMENT AREA)
VOLUME 240m³
AREA 37x9m

CULVERTS CONSTRUCTED IN DRY CONDITIONS WITH FLOW DIVERTED ONCE CULVERT IS CONSTRUCTED

PROPRIETARY DEVICES TO MM05

LOCATION OF NEW OUTLET TO BE DETERMINED TO AVOID EXISTING MATURE TREES

DRAINAGE GENERAL ARRANGEMENT

Scale 1:1000m @ A1

CONSULTANT



AECOM New Zealand Ltd
NZ B.N 9429032091335
www.aecom.com

CLIENT



PROJECT

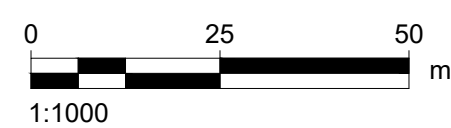
Mill Road - Stage 1
Consenting Design

Roads of National Significance

REGISTRATION

FOR CONSENT

SCALE



PROJECT MANAGEMENT INITIALS

JL	DSP	DM
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	AUK46	SURVEY	NZTM
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ISSUE/REVISION

F	05.02.26	PEST PROOF FENCE REMOVED
E	14.11.25	FOR CONSENT
D	07.10.25	CONSENTING DESIGN UPDATE
C	19.09.25	CONSENTING DESIGN UPDATE
B	12.09.25	CONSENTING DESIGN UPDATE
A	05.09.25	CONSENTING DESIGN ISSUE
I/R	DATE	DESCRIPTION

PROJECT NUMBER

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SHEET TITLE

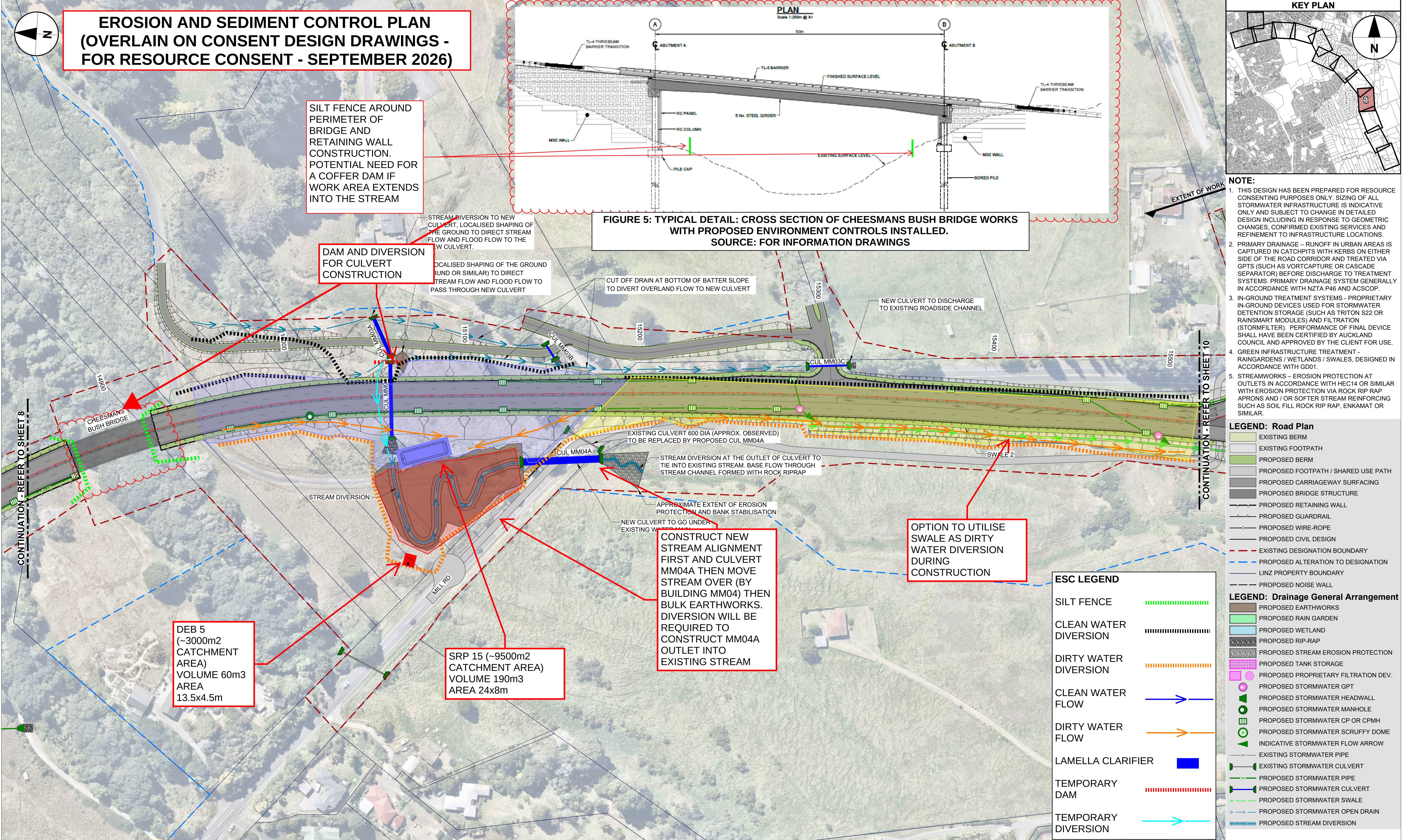
Mill Road RoNS Stage 1 FTA
Drainage General Arrangement
Sheet 8

SHEET NUMBER

60755376-SHT-DR-0108

ISO A1 594mm x 841mm

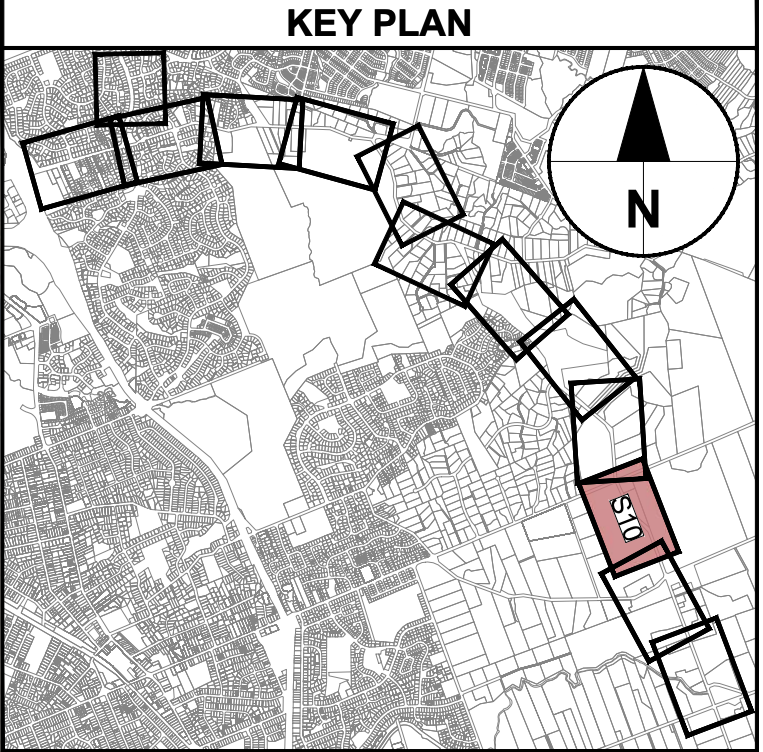
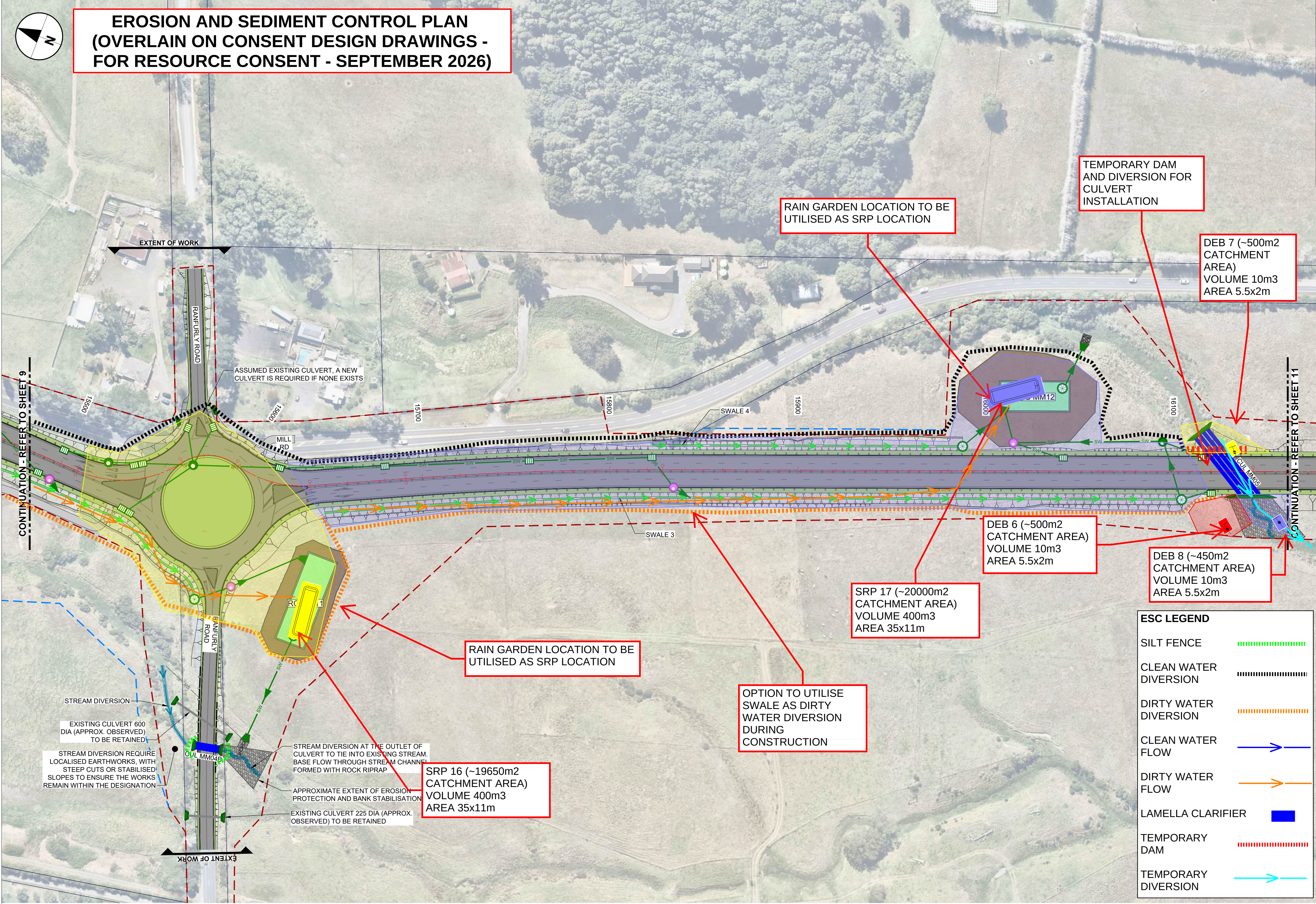
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CONSULTANT AECOM AECOM New Zealand Ltd NZ B.N 9429032091335 www.aecom.com	CLIENT NZ TRANSPORT AGENCY WAKA KOTAHĪ	PROJECT Mill Road - Stage 1 Consenting Design Roads of National Significance	REGISTRATION FOR CONSENT	PROJECT MANAGEMENT INITIALS JL DSP DM DESIGNER CHECKED APPROVED PROJECT DATA DATUM AUK46 SURVEY NZTM	ISSUE/REVISION E 05.02.26 PEST PROOF FENCE REMOVED D 14.11.25 FOR CONSENT C 19.09.25 CONSENTING DESIGN UPDATE B 12.09.25 CONSENTING DESIGN UPDATE A 05.09.25 CONSENTING DESIGN ISSUE I/R DATE DESCRIPTION	PROJECT NUMBER 60755376 SHEET TITLE Mill Road RoNS Stage 1 FTA Drainage General Arrangement Sheet 9 SHEET NUMBER 60755376-SHT-DR-0109
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SCALE
0 25 50 m
1:1000



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 - PROPOSED STORMWATER CULVERT
 - PROPOSED STORMWATER SWALE
 - PROPOSED STORMWATER OPEN DRAIN
 - PROPOSED STREAM DIVERSION

- ESC LEGEND**
- SILT FENCE
 - CLEAN WATER DIVERSION
 - DIRTY WATER DIVERSION
 - CLEAN WATER FLOW
 - DIRTY WATER FLOW
 - LAMELLA CLARIFIER
 - TEMPORARY DAM
 - TEMPORARY DIVERSION

DRAINAGE GENERAL ARRANGEMENT

Scale 1:1000m @ A1

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CONSULTANT

AECOM **Beca**

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CLIENT

NZ TRANSPORT AGENCY
WAKA KOTAHĪ

PROJECT

Mill Road - Stage 1
Consenting Design

Roads of National Significance

REGISTRATION

FOR CONSENT

PROJECT MANAGEMENT INITIALS		
JL DESIGNER	DSP CHECKED	DM APPROVED
PROJECT DATA		
DATUM	AUK46	SURVEY NZTM

ISSUE/REVISION		
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I/R	DATE	DESCRIPTION

PROJECT NUMBER

60755376

SHEET TITLE

Mill Road RoNS Stage 1 FTA
Drainage General Arrangement
Sheet 10

SHEET NUMBER

60755376-SHT-DR-0110

