



1. REFER TO MAVEN FLOODING REPORT FOR HAZARD MAPPING DETAILS
2. 10% AEP PRE-DEVELOPMENT 2.1 DEGREES (17.2%)
3. SITE PRE-DEVELOPMENTS AND OUTSIDE SITE MPD

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS
 2. PIPE BEDDING: 0 - 10% GRANULAR BEDDING; 10 - 20% WEAK CONCRETE BEDDING GREATER THAN 20% WEAK CONCRETE BEDDING (DIPA PLUS ANTI SCOUR BLOCKS AT 6m CRS)
 3. EACH CONNECTION SHALL BE MARKED BY A 50mm x 50mm TREATED PINE STAKE EXTENDING 600mm ABOVE GROUND LEVEL WITH THE TOP PAINTED THIS MARKER POST SHALL BE PLACED ALONGSIDE A TIMBER MARKER INSTALLED AT THE TIME OF PIPELaying AND EXTENDING FROM THE CONNECTION TO 150mm BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON "AS BUILT" PLANS
 4. APPROVED MANHOLE IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS
 5. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICED AREAS
 6. ALL MANHOLES ARE TO BE 1500mm PRECAST CONCRETE UNLESS SHOWN OTHERWISE
 7. ALL CATCHPIT LEADS ARE 225mm DIAMETER AND SHALL HAVE MIN COVER 1.0m
 8. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TANKING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF
 9. ALL LOT CONNECTION TO BE MIN 100mm uPVC S116 UNLESS SHOWN OTHERWISE
 10. ALL ROOF WATER RUNOFF PIPE TO BE 150 uPVC S116 UNLESS SHOWN OTHERWISE

- LEGEND
- EX BOY
 - PR BOY
 - EX STORMWATER
 - PR STORMWATER ROAD
 - EX 100-YEAR FLOOD EXTENT

Ref	Revisions	By	Date
A	SECTION 53	SP	10/2025
Survey	LUDAR		03/2024
Design	KH		09/2025
Drawn	SP		09/2025
Checked	RW		10/2025

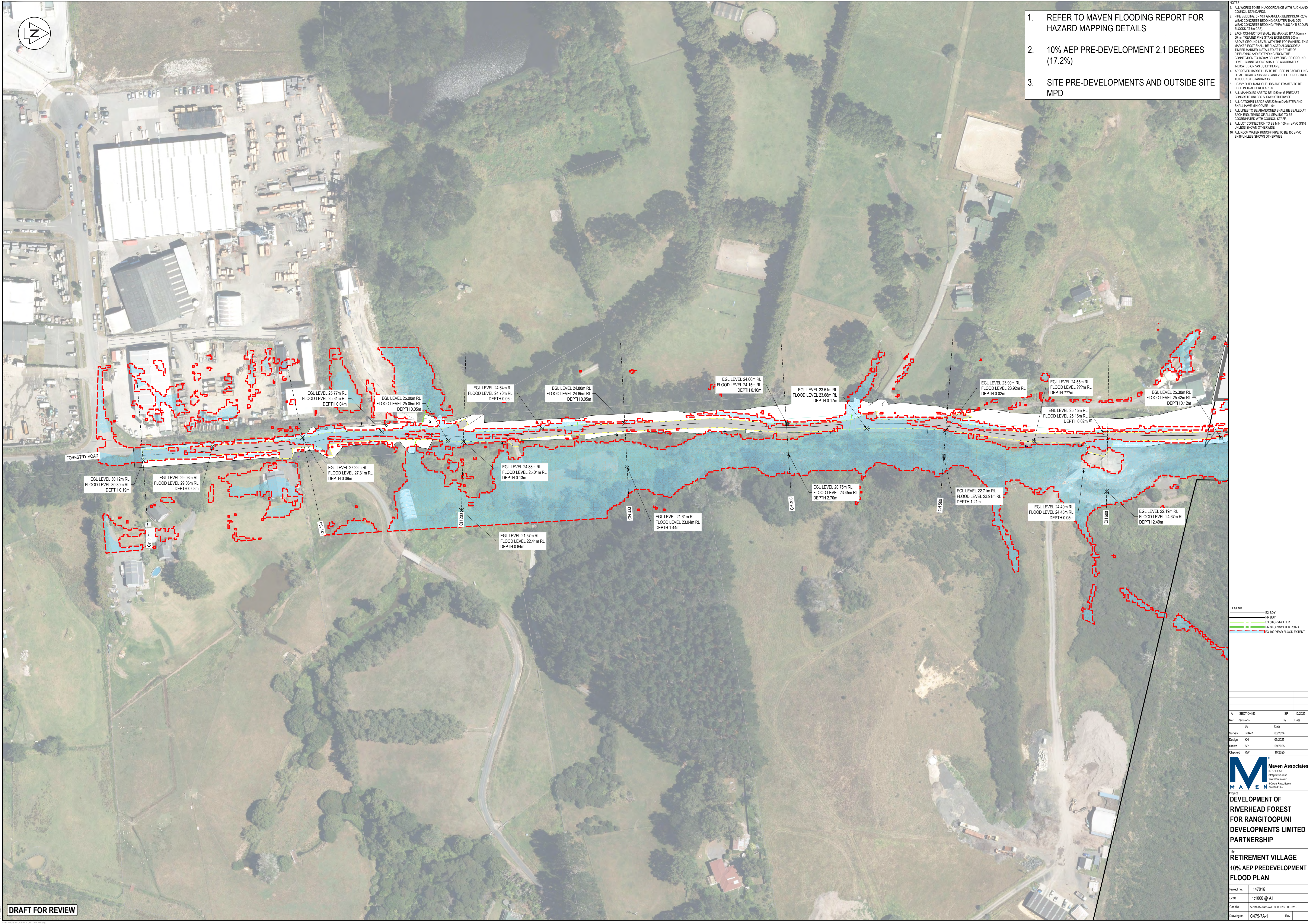


Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**RETIREMENT VILLAGE
10% AEP PREDEVELOPMENT
FLOOD PLAN**

Project no.	147016
Scale	1:5000 @ A1
Cad file	147016-RV-CATS-IN-FLOOD-10%PRE.DWG
Drawing no.	C475-7A-0
Rev	

DRAFT FOR REVIEW



1. REFER TO MAVEN FLOODING REPORT FOR HAZARD MAPPING DETAILS
2. 10% AEP PRE-DEVELOPMENT 2.1 DEGREES (17.2%)
3. SITE PRE-DEVELOPMENTS AND OUTSIDE SITE MPD

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS
 2. PIPE BEDDING: 0 - 10% GRANULAR BEDDING; 10 - 20% WEAK CONCRETE BEDDING GREATER THAN 20% WEAK CONCRETE BEDDING (70MPa PLUS ANTI SCOUR BLOCKS AT 6m CRS)
 3. EACH CONNECTION SHALL BE MARKED BY A 50mm x 50mm TREATED PINE STAKE EXTENDING 600mm ABOVE GROUND LEVEL WITH THE TOP PAINTED. THIS MARKER POST SHALL BE PLACED ALONGSIDE A TIMBER MARKER INSTALLED AT THE TIME OF PIPELaying AND EXTENDING FROM THE CONNECTION TO 150mm BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON "AS BUILT" PLANS.
 4. APPROVED HANGFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS
 5. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICED AREAS
 6. ALL MANHOLES ARE TO BE 150mmHD PRECAST CONCRETE UNLESS SHOWN OTHERWISE.
 7. ALL CATCHPIT LEADS ARE 25mm DIAMETER AND SHALL HAVE MIN COVER 1.0m
 8. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TAPPING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.
 9. ALL LOT CONNECTION TO BE MIN 100mm UPVC S/NB UNLESS SHOWN OTHERWISE
 10. ALL ROOF WATER RUNOFF PIPE TO BE 150 UPVC S/NB UNLESS SHOWN OTHERWISE.

- LEGEND
- EX BODY
 - PR BODY
 - EX STORMWATER
 - PR STORMWATER ROAD
 - EX 100-YEAR FLOOD EXTENT

Ref	Revisions	By	Date
A	SECTION 53	SP	10/2025
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Checked	RW	10/2025	



DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP

RETIREMENT VILLAGE
10% AEP PREDEVELOPMENT
FLOOD PLAN

Project no.	147016
Scale	1:1000 @ A1
Cad file	NOTES AND CAPS IN FLOOD 10% PRE DEV.DWG
Drawing no.	C475-7A-1
Rev	

DRAFT FOR REVIEW



1. REFER TO MAVEN FLOODING REPORT FOR HAZARD MAPPING DETAILS
2. 10% AEP PRE-DEVELOPMENT 2.1 DEGREES (17.2%)
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3. EACH CONNECTION SHALL BE MARKED BY A 50mm x 50mm TREATED PINE STAKE EXTENDING 600mm ABOVE GROUND LEVEL WITH THE TOP PAINTED THIS MARKER POST SHALL BE PLACED ALONGSIDE A TIMBER MARKER INSTALLED AT THE TIME OF PIPELaying AND EXTENDING FROM THE CONNECTION TO 150mm BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
4. APPROVED HAZARD IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS
5. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICED AREAS
6. ALL MANHOLES ARE TO BE 150mm PRECAST CONCRETE UNLESS SHOWN OTHERWISE
7. ALL CATCHPIT LEADS ARE 25mm DIAMETER AND SHALL HAVE MIN COVER 1.0m
8. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.
9. ALL LOT CONNECTION TO BE MIN 100mm UPVC SNI6 UNLESS SHOWN OTHERWISE
10. ALL ROOF WATER RUNOFF PIPE TO BE 150 UPVC SNI6 UNLESS SHOWN OTHERWISE

DRAFT FOR REVIEW

- LEGEND
- EX BOY
- PR BOY
- EX STORMWATER
- PR STORMWATER ROAD
- EX 100 YEAR FLOOD EXTENT

A SECTION 53		SP	10/2025
Ref	Revisions	By	Date
Survey	LUDAR		03/2024
Design	KH		09/2025
Drawn	SP		09/2025
Checked	RW		10/2025

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Project
DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

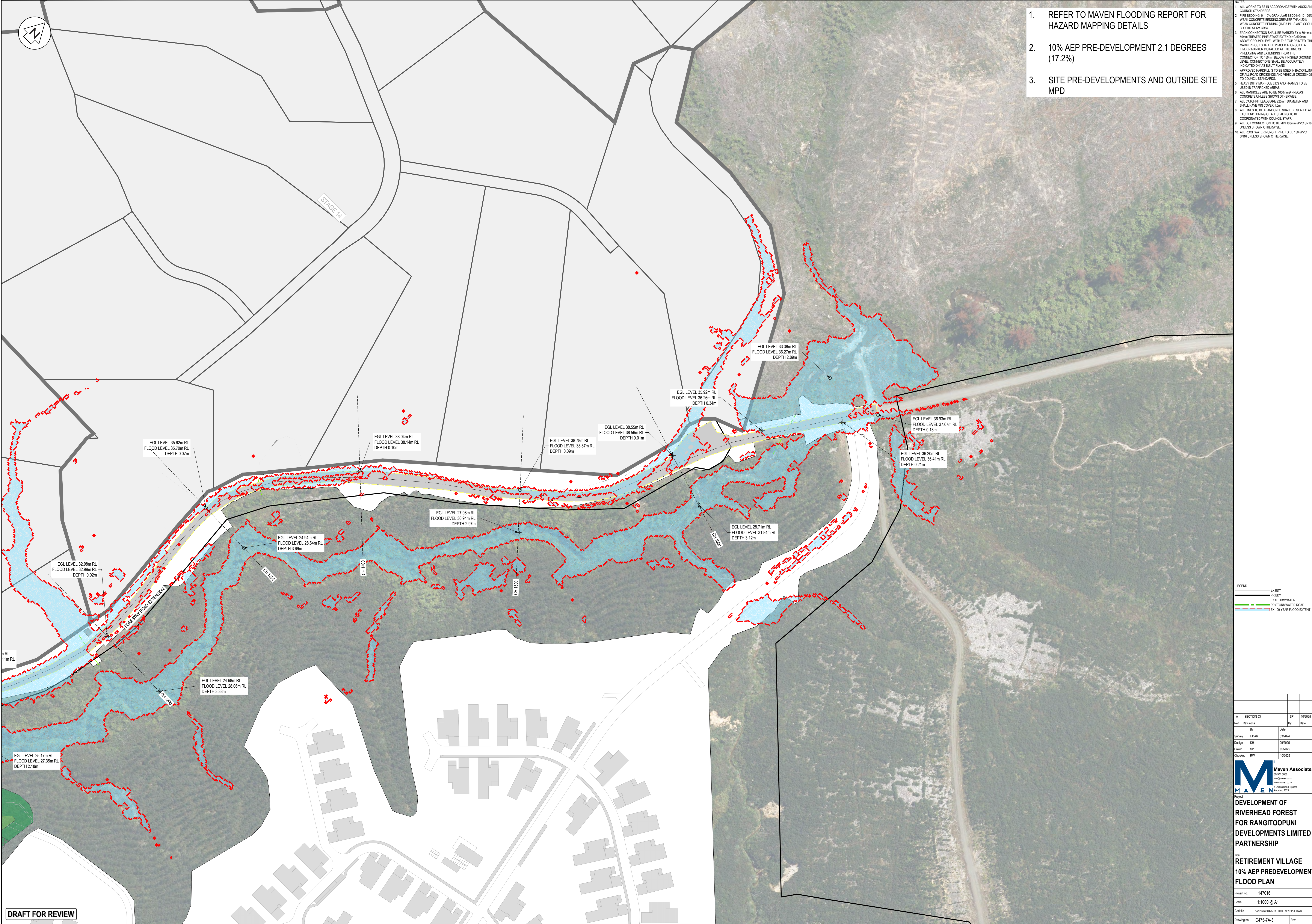
Title
RETIREMENT VILLAGE
10% AEP PREDEVELOPMENT FLOOD PLAN

Project no. 147016

Scale 1:1000 @ A1

Client File 147016-ARV-GATE-A-FLOOD-10%PRE-DWG

Drawing no. C475-7A-2 Rev



1. REFER TO MAVEN FLOODING REPORT FOR HAZARD MAPPING DETAILS
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 8. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TANKING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF
 9. ALL LOT CONNECTION TO BE MIN 100mm UPVC S/N16 UNLESS SHOWN OTHERWISE
 10. ALL ROOF WATER RUNOFF PIPE TO BE 150 UPVC S/N16 UNLESS SHOWN OTHERWISE

- LEGEND
- EX BOY
 - PR BOY
 - EX STORMWATER
 - PR STORMWATER ROAD
 - EX 100-YEAR FLOOD EXTENT

Ref	Revisions	By	Date
A	SECTION 53	SP	10/2025

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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**RETIREMENT VILLAGE
10% AEP PREDEVELOPMENT
FLOOD PLAN**

Project no.	147016
Scale	1:1000 @ A1
Cad file	NAT016-ARV-CAD-A1-FLOOD-10% PRE.DWG
Drawing no.	C475-7A-3
Rev	

DRAFT FOR REVIEW