



1. REFER TO MAVEN FLOODING REPORT FOR HAZARD MAPPING DETAILS
2. 2% AEP POST-DEVELOPMENT WITHOUT CLIMATE CHANGE
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 HANFILL 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. TIMING 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
  - DS STORMWATER
  - PR STORMWATER ROAD
  - PR 50-YEAR FLOOD EXTENT

A		SECTION 53		SP		10/2025	
Ref	Revisions	By	Date	By	Date		
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 2% AEP POST DEVELOPMENT FLOOD PLAN**

Project no.	147016
Scale	1:5000 @ A1
Cad file	147016-RV-C475-3B-FLOOD-20YR-POST-AND-MCD-DWG
Drawing no.	C475-3B-0
Rev	

DRAFT FOR REVIEW





1. REFER TO MAVEN FLOODING REPORT FOR HAZARD MAPPING DETAILS
2. 2% AEP POST-DEVELOPMENT WITHOUT CLIMATE CHANGE
3. SITE PRE-DEVELOPMENTS AND OUTSIDE SITE MPD

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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 PIPE LAYING AND EXTENDING FROM THE CONNECTION TO 150mm BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
  4. APPROVED HANDRILL 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 CATCHPIE 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

- LEGEND
- EX BOY
  - PR BOY
  - 2% STORMWATER
  - PR STORMWATER ROAD
  - PR 50-YEAR FLOOD EXTENT

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

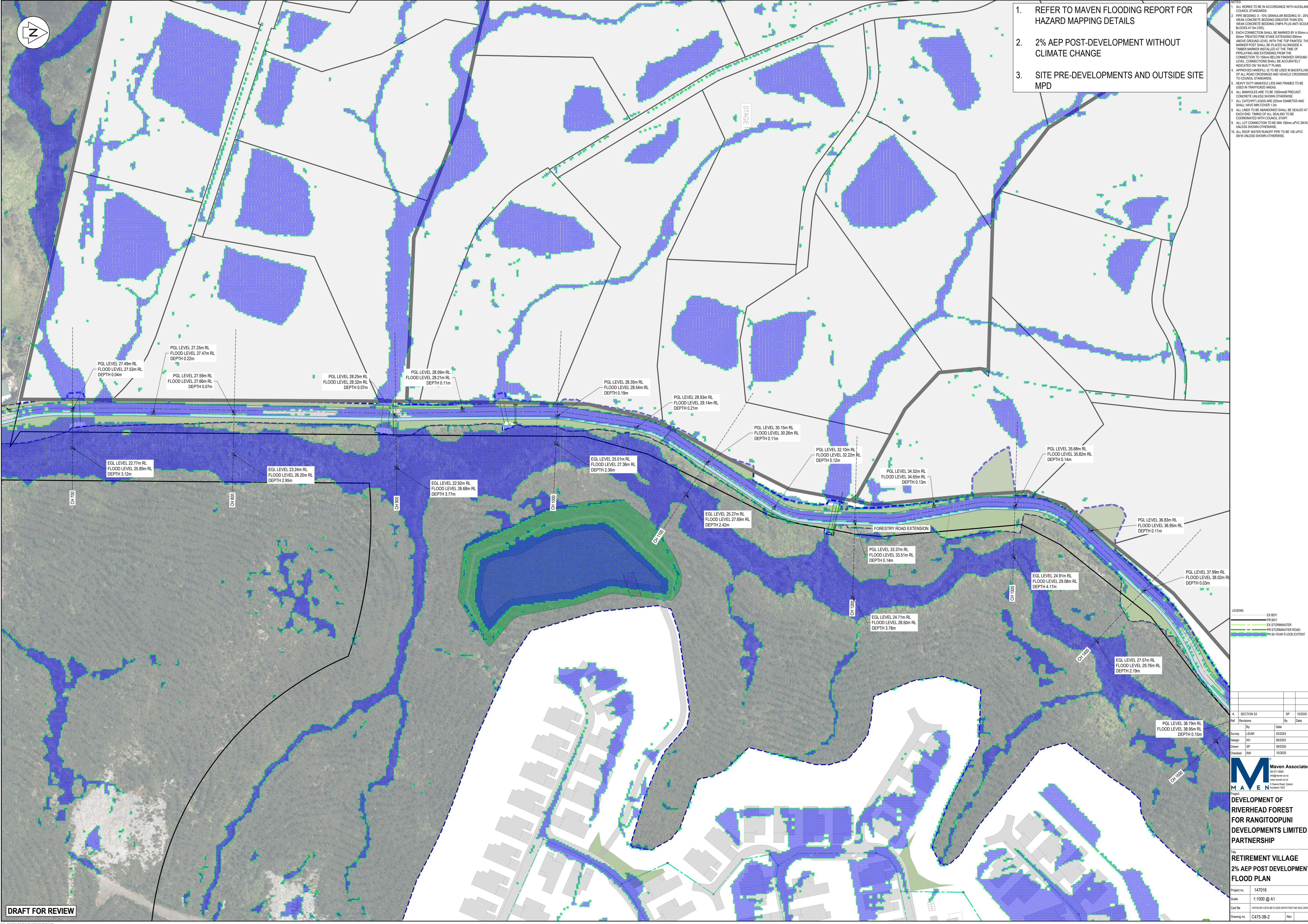
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Project  
**DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP**

Title  
**RETIREMENT VILLAGE 2% AEP POST DEVELOPMENT FLOOD PLAN**

Project no. 147016  
Scale 1:1000 @ A1  
Cad file 147016-RV-CAT5-3B-FLOOD 50%R POST AND MCC.DWG  
Drawing no. C475-3B-1 Rev





1. REFER TO MAVEN FLOODING REPORT FOR HAZARD MAPPING DETAILS
2. 2% AEP POST-DEVELOPMENT WITHOUT CLIMATE CHANGE
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 CONNECTION TO 150mm BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
  4. APPROVED HANDRILL 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 CATCHPIE 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 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
  - PR 50-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		

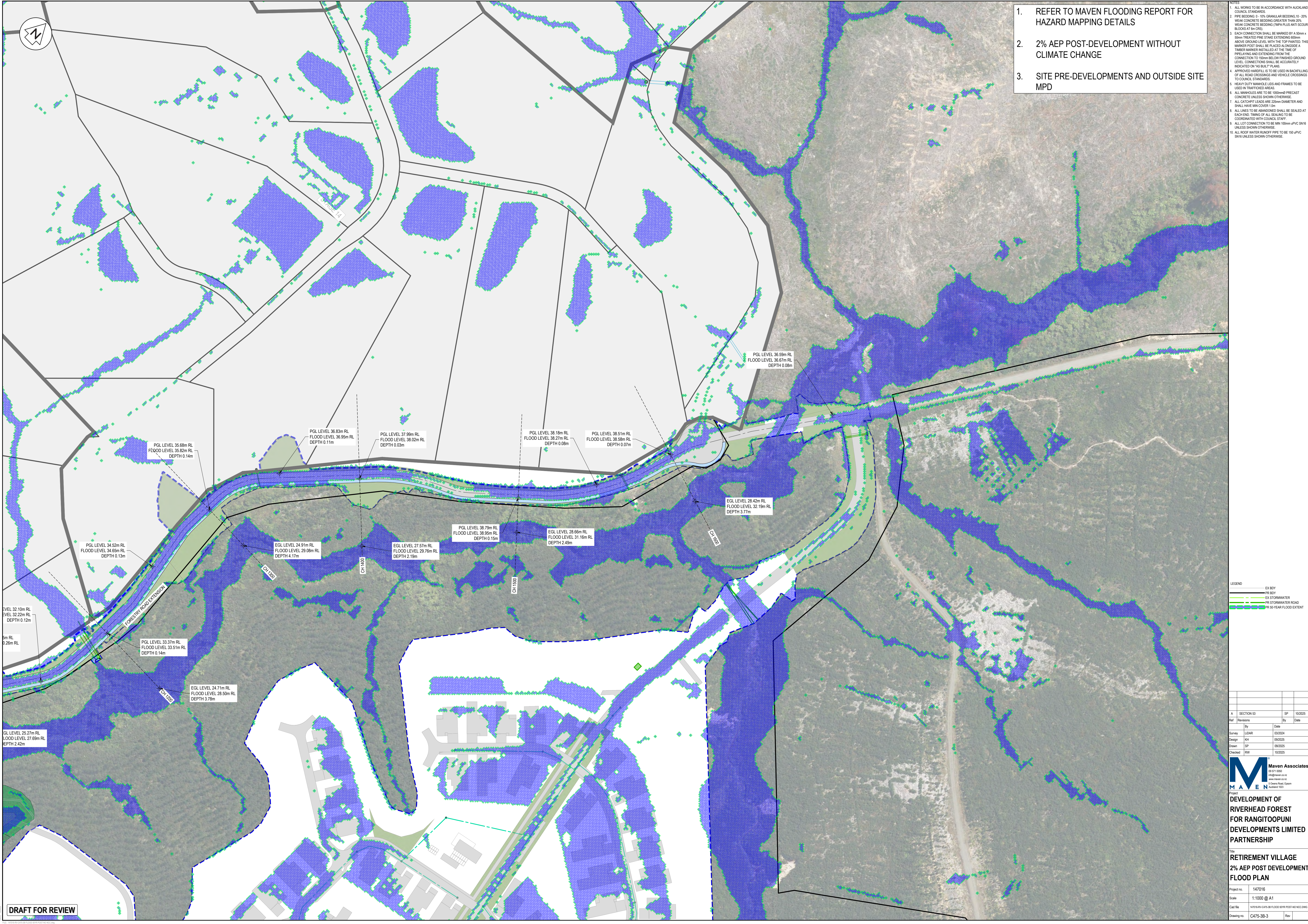


Project  
**DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP**

Title  
**RETIREMENT VILLAGE 2% AEP POST DEVELOPMENT FLOOD PLAN**

Project no. 147016  
Scale 1:1000 @ A1  
Cadd file 147016-REV-CADD-38-FLOOD-50YR-POST-AND-NCC-DWG  
Drawing no. C475-3B-2 Rev





1. REFER TO MAVEN FLOODING REPORT FOR HAZARD MAPPING DETAILS
2. 2% AEP POST-DEVELOPMENT WITHOUT CLIMATE CHANGE
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 PRELAYSING AND EXTENDING FROM THE CONNECTION TO 150mm BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
  4. APPROVED MANHOLE 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 CATCHMENT LEADS ARE 25mm DIAMETER AND SHALL HAVE MIN COVER 1.0m
  8. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. MARKING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.
  9. ALL LOT CONNECTION TO BE MIN 100mm UPVC 50/16 UNLESS SHOWN OTHERWISE
  10. ALL ROOF WATER RUNOFF PIPE TO BE 150 UPVC 50/16 UNLESS SHOWN OTHERWISE

- LEGEND
- EX BOY
  - EX STORMWATER
  - EX STORMWATER ROAD
  - PR 50-YEAR FLOOD EXTENT

Ref	Revisions	By	Date
A	SECTION 53	SP	10/2025
Survey	LUDAR	03/2024	
Design	KH	09/2025	
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**DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP**

Title  
**RETIREMENT VILLAGE 2% AEP POST DEVELOPMENT FLOOD PLAN**

Project no.	147016
Scale	1:1000 @ A1
Client Ref	147016-RV-C475-3B-FLOOD 50YR POST AND MCC DWS
Drawing no.	C475-3B-3

DRAFT FOR REVIEW