



1. REFER TO MAVEN FLOODING REPORT FOR HAZARD MAPPING DETAILS
2. 2% AEP POST-DEVELOPMENT AT 2.1 DEGREES (17.6%)
3. SITE POST-DEVELOPMENTS AND OUTSIDE SITE MPD (50% CULVERT BLOCKAGE)

- 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: DPM 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 PIPE LAYING AND EXTENDING FROM THE CONNECTION TO 150mm BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
  4. APPROVED HANDPILL 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 250mm 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 S116 UNLESS SHOWN OTHERWISE
  10. ALL ROOF WATER RUNOFF PIPE TO BE 150 uPVC S116 UNLESS SHOWN OTHERWISE

- LEGEND
- EX BOY
  - PR BOY
  - DS STORMWATER
  - PR STORMWATER ROAD
  - PR 100-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		



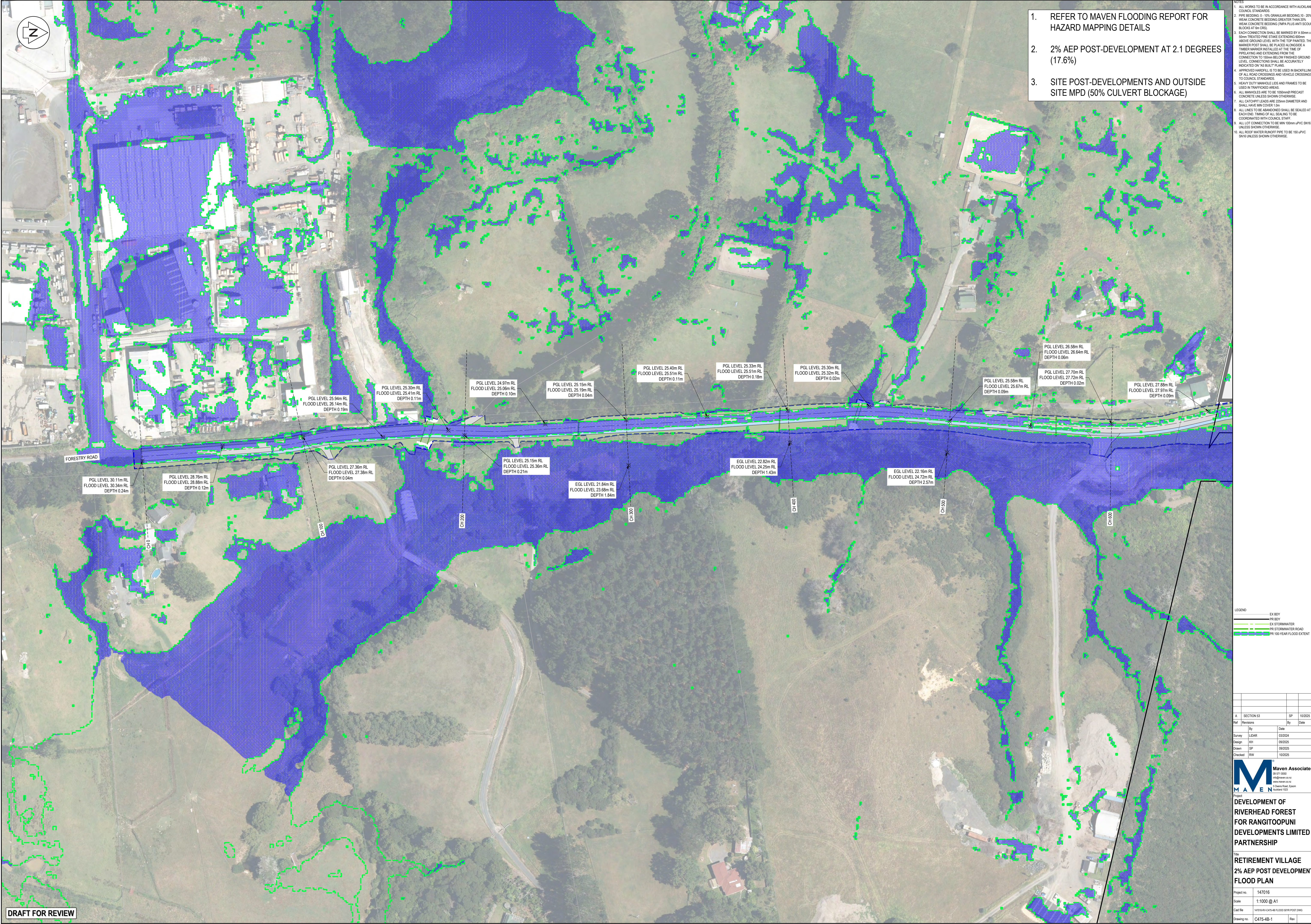
DEVELOPMENT OF  
RIVERHEAD FOREST  
FOR RANGITOOPUNI  
DEVELOPMENTS LIMITED  
PARTNERSHIP

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

Project no.	147016
Scale	1:5000 @ A1
Cad file	147016-RV-C475-4B-FLOOD-10YR-POST.DWG
Drawing no.	C475-4B-0
Rev	

DRAFT FOR REVIEW





1. REFER TO MAVEN FLOODING REPORT FOR HAZARD MAPPING DETAILS
2. 2% AEP POST-DEVELOPMENT AT 2.1 DEGREES (17.6%)
3. SITE POST-DEVELOPMENTS AND OUTSIDE SITE MPD (50% CULVERT BLOCKAGE)

- 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 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 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 S16 UNLESS SHOWN OTHERWISE
  10. ALL ROOF WATER RUNOFF PIPE TO BE 150 uPVC S16 UNLESS SHOWN OTHERWISE

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

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



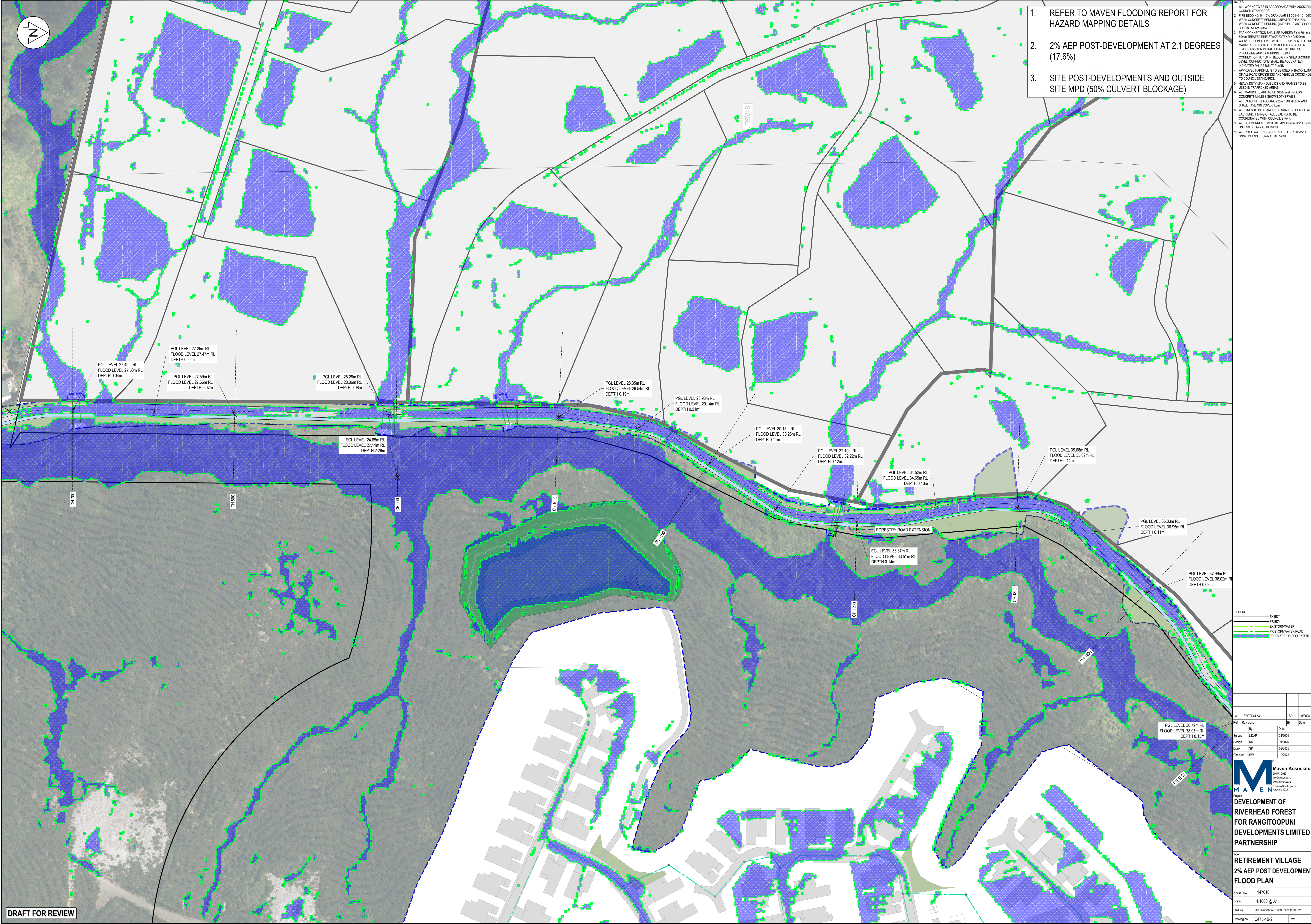
Project  
**DEVELOPMENT OF  
RIVERHEAD FOREST  
FOR RANGITOOPUNI  
DEVELOPMENTS LIMITED  
PARTNERSHIP**

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

Project no.	147016
Scale	1:1000 @ A1
Cad file	147016-475-4B-FLOOD 50% POST.DWG
Drawing no.	C475-4B-1
Rev	

DRAFT FOR REVIEW





1. REFER TO MAVEN FLOODING REPORT FOR HAZARD MAPPING DETAILS
2. 2% AEP POST-DEVELOPMENT AT 2.1 DEGREES (17.6%)
3. SITE POST-DEVELOPMENTS AND OUTSIDE SITE MPD (50% CULVERT BLOCKAGE)

- 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 PIPE LAYING AND EXTENDING FROM THE CONNECTION TO 150mm BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
  4. APPROVED HANDBILL 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, TAMPING 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
  - PR 100 YEAR FLOOD EXTENT

Ref	Revisions	By	Date
A	SECTION 53	SP	10/2025

Survey	By	Date
LUDAR		03/2024
Design	KH	09/2025
Drawn	SP	09/2025
Checked	RW	10/2025

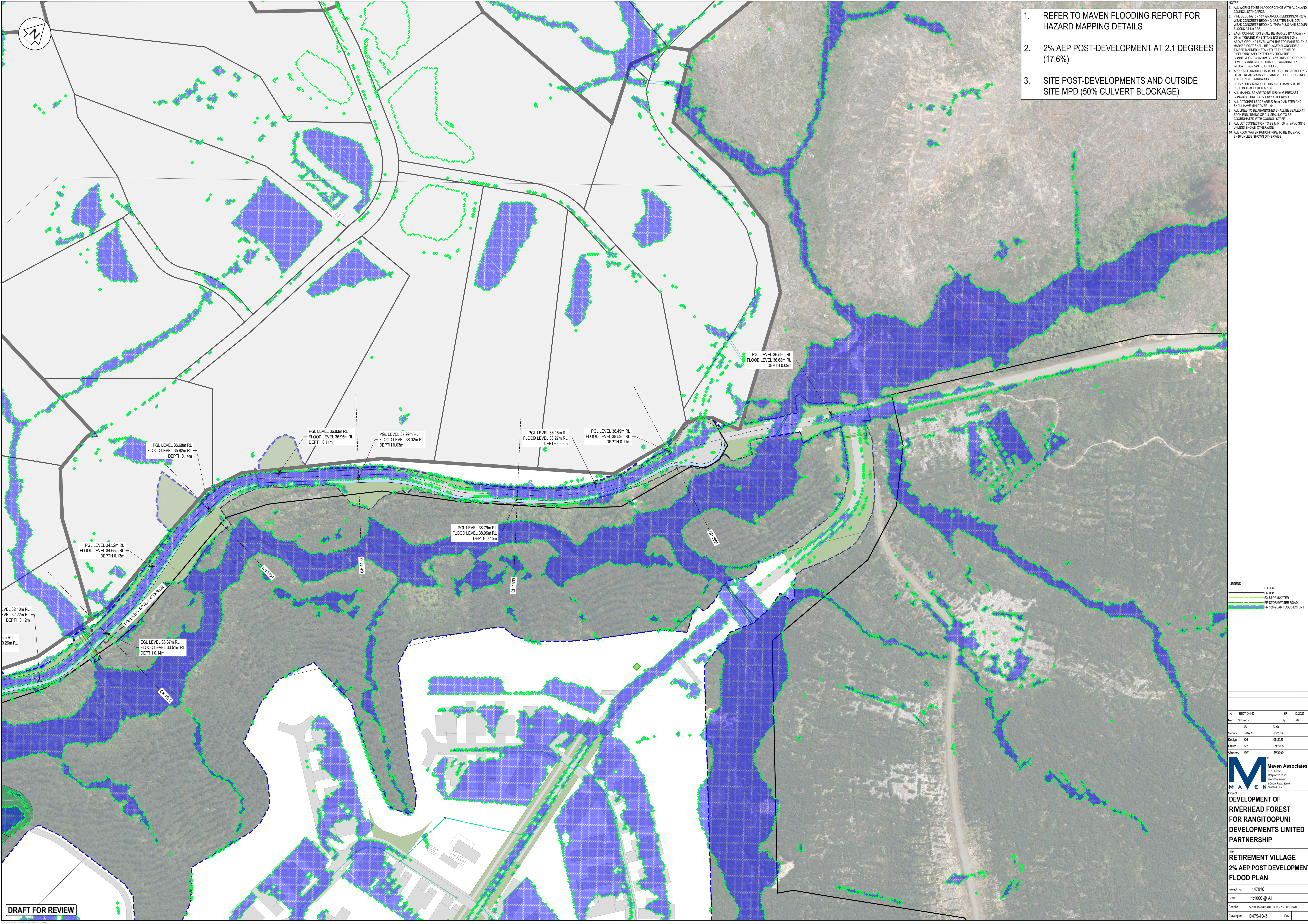


Project  
**DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP**

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

Project no. 147016  
Scale 1:1000 @ A1  
Cadd file 147016-475-4B-FLOOD 50% POST.DWG  
Drawing no. C475-4B-2 Rev





1. REFER TO MAVEN FLOODING REPORT FOR HAZARD MAPPING DETAILS
2. 2% AEP POST-DEVELOPMENT AT 2.1 DEGREES (17.6%)
3. SITE POST-DEVELOPMENTS AND OUTSIDE SITE MPD (50% CULVERT BLOCKAGE)

- 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 (MPA 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 PIPE LAYING 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 TRAFFICKED AREAS.
  6. ALL MANHOLES ARE TO BE 100mm Ø PRECAST CONCRETE UNLESS SHOWN OTHERWISE.
  7. ALL CATCHPIE LEADS ARE 225mm 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 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
  - PR 100-YEAR FLOOD EXTENT

Ref	Revisions	By	Date
A	SECTION 53	SP	10/2025
Survey	LEAD	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
Cad file	147016-4745-48 FLOOD 2% AEP POST DWG
Drawing no.	C475-4B-3
Rev	

DRAFT FOR REVIEW