



1. REFER TO MAVEN FLOODING REPORT FOR HAZARD MAPPING DETAILS
2. 5% AEP PRE-DEVELOPMENT WITHOUT CLIMATE CHANGES
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: DMPA 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 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
Survey	By	Date	
Design	LUDAR	03/2024	
Drawn	KH	09/2025	
Checked	SP	09/2025	
	RW	10/2025	



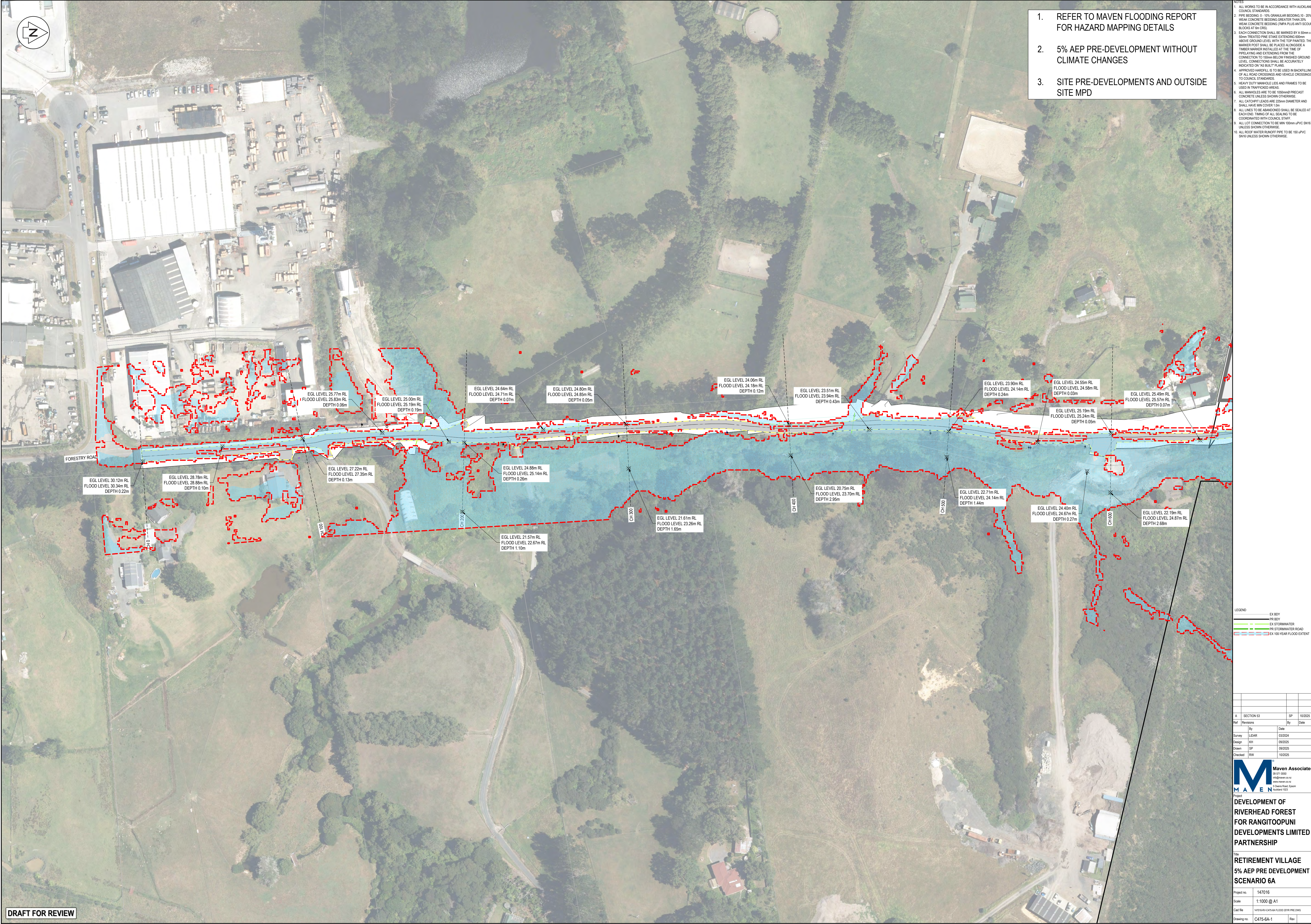
Project  
**DEVELOPMENT OF  
RIVERHEAD FOREST  
FOR RANGITOOPUNI  
DEVELOPMENTS LIMITED  
PARTNERSHIP**

Title  
**RETIREMENT VILLAGE  
5% AEP PRE DEVELOPMENT  
SCENARIO 6A**

Project no.	147016
Scale	1:5000 @ A1
Cad file	147016-ARV-CAT5-6A-FLOOD-2018-PRE.DWG
Drawing no.	C475-6A-0
Rev	

DRAFT FOR REVIEW





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  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 150mmHD PRECAST CONCRETE UNLESS SHOWN OTHERWISE
  7. ALL CATOPIST LEADS ARE 25mm DIAMETER AND SHALL HAVE MIN COVER 1.0m
  8. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TAKING 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
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  - PR STORMWATER ROAD
  - EX 100-YEAR FLOOD EXTENT

SECTION 53		SP	10/2025
Ref	Revisions	By	Date
Survey	By	Date	
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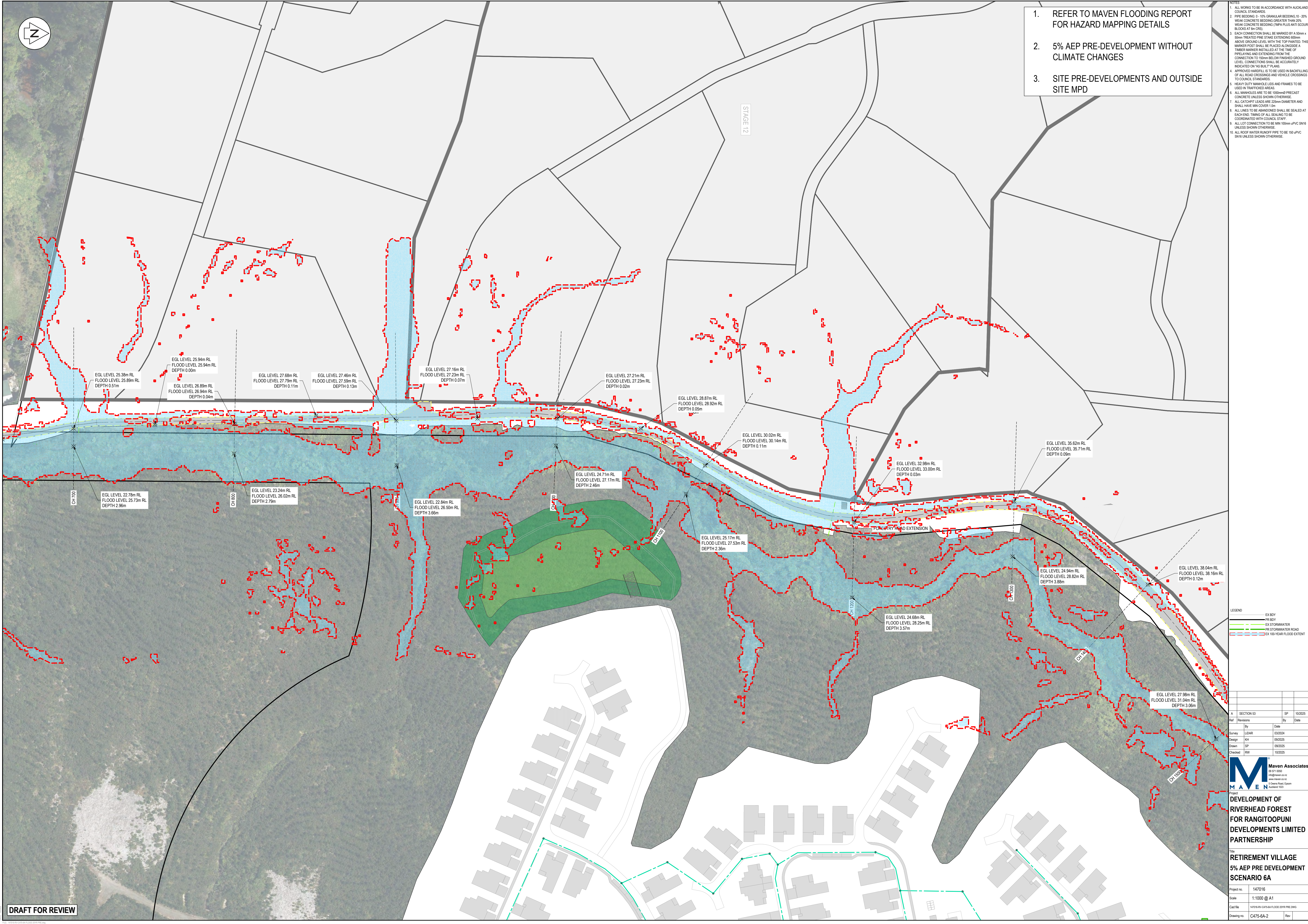
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RETIREMENT VILLAGE  
5% AEP PRE DEVELOPMENT  
SCENARIO 6A

Project no.	147016
Scale	1:1000 @ A1
Cad file	147016-ARV-CAT5-6A-FLOOD-2019-PRF-DWG
Drawing no.	C475-6A-1
Rev	

DRAFT FOR REVIEW





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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 HANDBILL 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 SNI6 UNLESS SHOWN OTHERWISE
  10. ALL ROOF WATER RUNOFF PIPE TO BE 150 uPVC SNI6 UNLESS SHOWN OTHERWISE

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

Ref	Revisions	By	Date
A	SECTION 53	SP	10/2025

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

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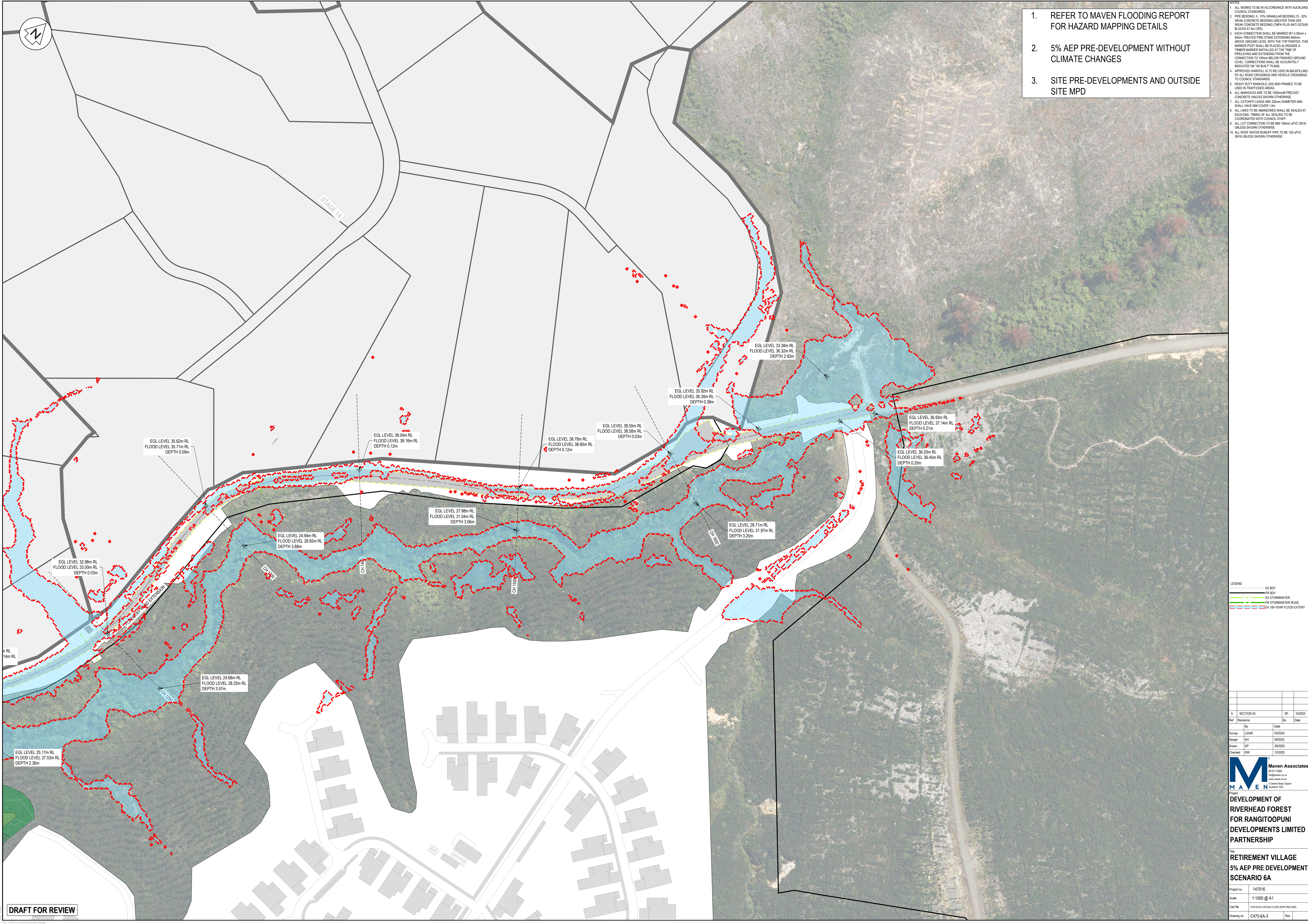
Project  
**DEVELOPMENT OF  
RIVERHEAD FOREST  
FOR RANGITOOPUNI  
DEVELOPMENTS LIMITED  
PARTNERSHIP**

Title  
**RETIREMENT VILLAGE  
5% AEP PRE-DEVELOPMENT  
SCENARIO 6A**

Project no. 147016  
Scale 1:1000 @ A1  
Client No. 147016-ARV-CAT4-A4-FLOOD-2018-PRE-DWG  
Drawing no. C475-6A-2 Rev

DRAFT FOR REVIEW





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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 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 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/N6 UNLESS SHOWN OTHERWISE
  10. ALL ROOF WATER RUNOFF PIPE TO BE 150 UPVC S/N6 UNLESS SHOWN OTHERWISE

- LEGEND
- EX BOY
  - PR BOY
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Project  
**DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP**

Title  
**RETIREMENT VILLAGE 5% AEP PRE DEVELOPMENT SCENARIO 6A**

Project no.	147016
Scale	1:1000 @ A1
Cad file	147016-ARV-CAT5-6A-FLOOD-2019-PRE.DWG
Drawing no.	C475-6A-3
Rev	