

NOTES:
REFER TO SHEET 600 FOR NOTES

No.	Revision Details	Date
B	RC S92 ISSUE	20/05/21
A	ISSUED FOR RESOURCE CONSENT	19/02/21
No. Revision Details (Current Revision Date : 30/04/2021)		

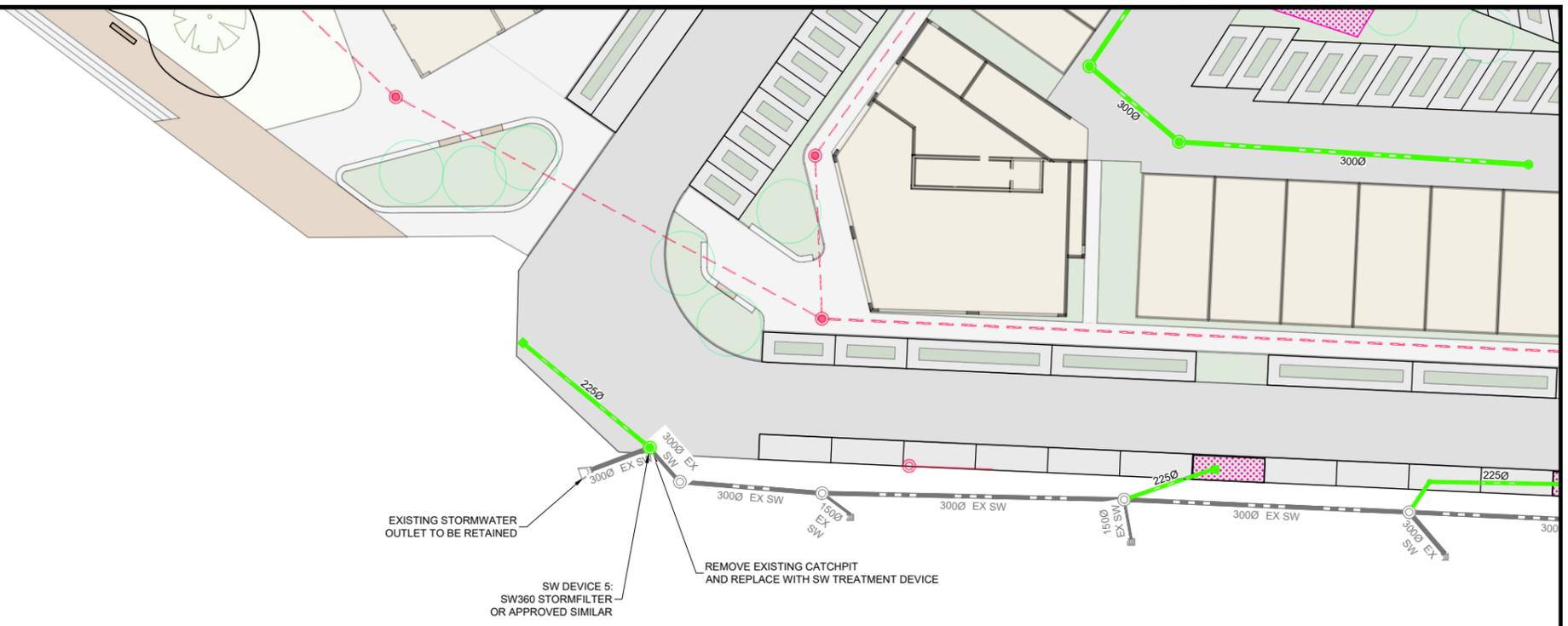
WATER SUPPLY LEGEND			
	PROPOSED WATERMAIN		PROPOSED RIDERMAIN
	EXISTING WATERMAIN		PR. FIRE HYDRANT
	PR. SLUICE VALVE		PR. PEET VALVE
	PR. WATER METER		

Design AW
Survey
Drawn MK
Checked ML
Date 30/04/2021
Scale 1:250 (A1) 1:500 (A3)
CAD Filename 12582-01-600.dwg
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Job Title
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BAYSWATER MARITIME PRECINCT
21 SIR PETER BLAKE PARADE
BAYSWATER
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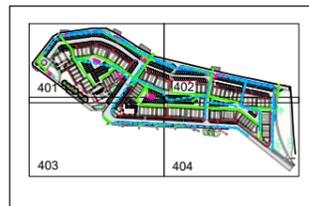


Drawing Title		
WATER SUPPLY PLAN 4 OF 4		
File No.	Rev.	Dwg. No.
12582-01-600	B	604



STORMWATER NOTES:

- 1. REFER TO SHEET 400 FOR STORMWATER NOTES



STORMWATER LEGEND

- PROPOSED STORMWATER
- PR. STORMWATER MANHOLE
- EXISTING STORMWATER
- EX. STORMWATER MANHOLE
- PR. CATCHPIT
- EX. CATCHPIT
- SWALE
- ▤ PR. WINGWALL
- ▤ EX. WINGWALL
- RAINGARDEN

WASTEWATER LEGEND

- PROPOSED WASTEWATER
- PROPOSED WWMH
- Ex WW Pub EXISTING WW LINE (PUBLIC)
- EXISTING WWMH
- RM EXISTING RISING MAIN

No.	Revision Details	(Current Revision Date : 28/04/2021)	Date
B	RC S92 ISSUE		20/05/21
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Design	AW
Survey	
Drawn	MK
Checked	ML
Date	28/04/2021
Scale	1:250 (A1) 1:500 (A3)
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Drawing Title: STORMWATER PLAN 3 OF 4		
File No. 12582-01-400	Rev. B	Dwg. No. 403



PROVIDE MAJOR DRAINAGE INLET CAPABLE OF ACCOMMODATING THE 1% AEP EVENT WITH ALLOWANCE FOR 50% BLOCKAGE. DETAILS TO BE PROVIDED AT BUILDING CONSENT STAGE

SW DEVICE 4: SW360 STORMFILTER OR APPROVED SIMILAR

EXISTING CESSPIT TO BE RETAINED. ADJUST LEVELS TO MATCH FINISHED SURFACE LEVELS

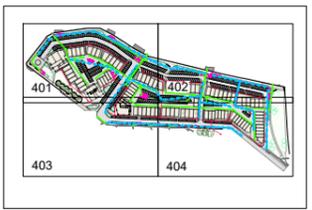
EXISTING STORMWATER OUTLET TO BE RETAINED

EXISTING CESSPIT TO BE RETAINED. ADJUST LEVELS TO MATCH FINISHED SURFACE LEVELS

STORMWATER NOTES:

- REFER TO SHEET 400 FOR STORMWATER NOTES

Original Size: 1:250
1:500 (A3)



STORMWATER LEGEND

- PROPOSED STORMWATER
- PR. STORMWATER MANHOLE
- EXISTING STORMWATER
- EX. STORMWATER MANHOLE
- PR. CATCHPIT
- EX. CATCHPIT

- SWALE
- ▤ PR. WINGWALL
- ▤ EX. WINGWALL
- RAINGARDEN

WASTEWATER LEGEND

- PROPOSED WASTEWATER
- PROPOSED WWMH
- EX. WW LINE (PUBLIC)
- EXISTING WWMH
- EXISTING RISING MAIN

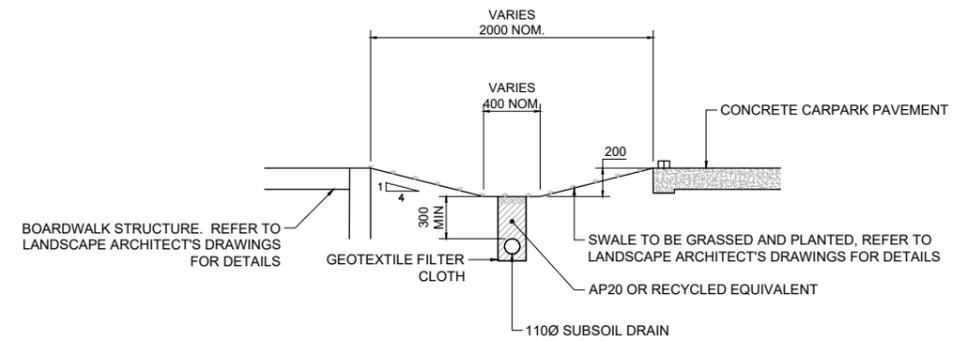
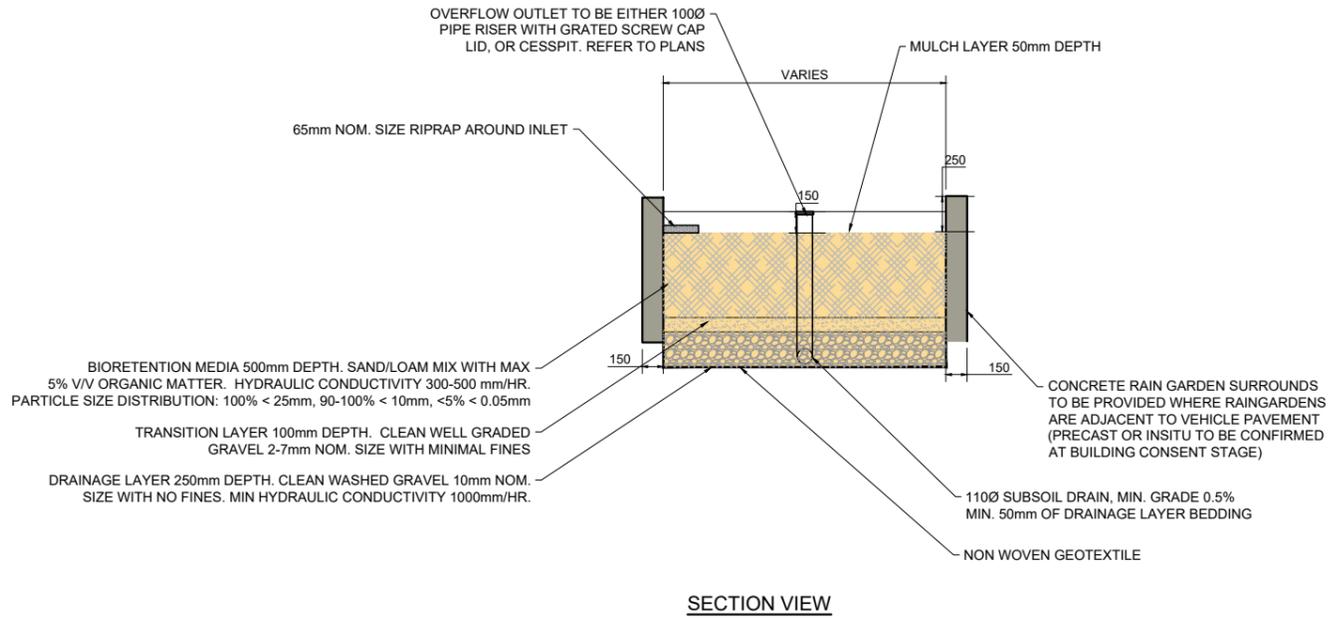
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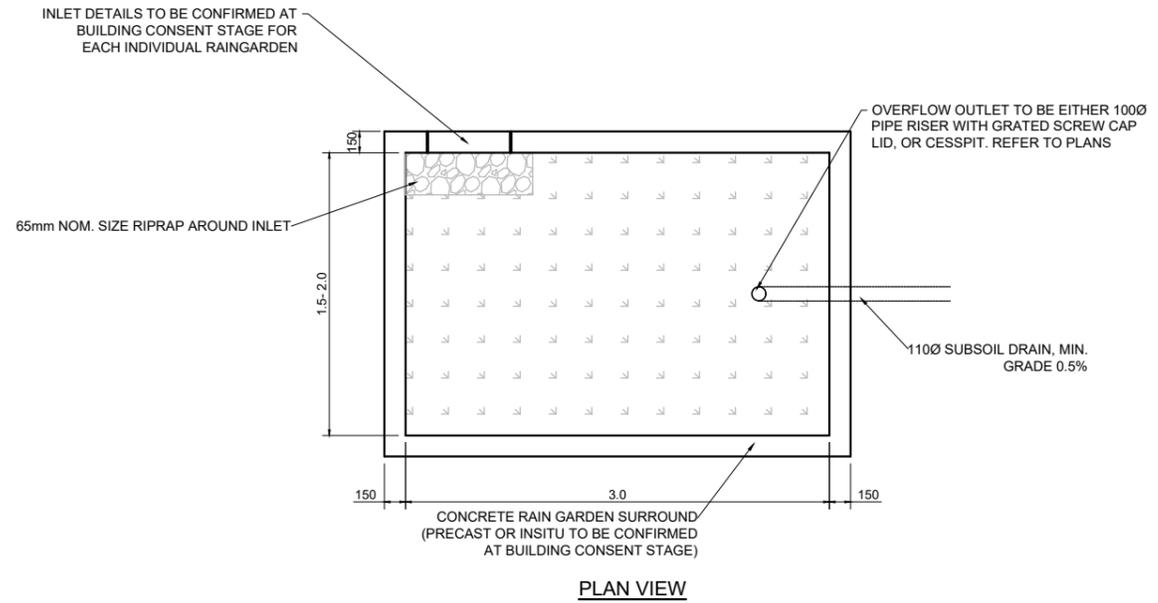
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AUCKLAND



Drawing Title: STORMWATER PLAN 4 OF 4	
File No. 12582-01-400	Rev. B
Dwg. No. 404	



SWALE TYPICAL DETAILS



RAINGARDEN TYPICAL DETAILS

Original Size: 1:25
1:50 (A3)

No.	Revision Details	(Current Revision Date : 17/12/2020)	Date
B	RC S92 ISSUE		20/05/21
A	ISSUED FOR RESOURCE CONSENT		19/02/21

Design	AW
Survey	
Drawn	MK
Checked	ML
Date	17/12/2020
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Drawing Title: STORMWATER TYPICAL DETAILS	
File No. 12582-01-420	Rev. B
Dwg. No. 420	



OVERLAND FLOW CATCHMENT B
AREA: 1250m²
1% AEP PEAK FLOW: 50L/s
FLOW CONTAINED WITHIN SWALE

OVERLAND FLOW CATCHMENT E
AREA: 1950m²
1% AEP PEAK FLOW: 78L/s
FLOW CONTAINED WITHIN SWALE

OVERLAND FLOW CATCHMENT N
AREA: 300m²
1% AEP PEAK FLOW: 12L/s
FLOW CONTAINED IN CHANNEL

OVERLAND FLOW CATCHMENT F
AREA: 820m²
1% AEP PEAK FLOW: 33L/s
FLOW CONTAINED WITHIN SWALE

OVERLAND FLOW CATCHMENT I
AREA: 1330m²
1% AEP PEAK FLOW: 52L/s
FLOW CONTAINED WITHIN SWALE

OVERLAND FLOW CATCHMENT O
AREA: 925m²
1% AEP PEAK FLOW: 37L/s
FLOW CONTAINED WITHIN SWALE

OVERLAND FLOW CATCHMENT J
AREA: 1100m²
1% AEP PEAK FLOW: 44L/s
FLOW CONTAINED WITHIN SWALE

OVERLAND FLOW CATCHMENT P
AREA: 1660m²
1% AEP PEAK FLOW: 66L/s
REFER TO CROSS-SECTION

OVERLAND FLOW CATCHMENT Q
AREA: 1040m²
1% AEP PEAK FLOW: 42L/s
FLOW CONTAINED WITHIN SWALE

OVERLAND FLOW CATCHMENT C
AREA: 4550m²
1% AEP PEAK FLOW: 182L/s
REFER TO CROSS-SECTION

OVERLAND FLOW CATCHMENT A
AREA: 955m²
1% AEP PEAK FLOW: 38 L/s
FLOW CONTAINED WITH SWALE

OVERLAND FLOW CATCHMENT D
AREA: 1500m²
1% AEP PEAK FLOW: 60L/s
REFER TO CROSS-SECTION

OVERLAND FLOW CATCHMENT G
AREA: 1000m²
1% AEP PEAK FLOW: 40L/s
REFER TO CROSS-SECTION

OVERLAND FLOW CATCHMENT H
AREA: 3000m²
1% AEP PEAK FLOW: 120L/s
REFER TO CROSS-SECTION

OVERLAND FLOW CATCHMENT K
AREA: 2460m²
1% AEP PEAK FLOW: 98L/s
REFER TO CROSS-SECTION

OVERLAND FLOW CATCHMENT M
AREA: 225m²
1% AEP PEAK FLOW: 9L/s
FLOW CONTAINED IN CHANNEL

OVERLAND FLOW CATCHMENT S
AREA: 2200m²
1% AEP PEAK FLOW: 88L/s
REFER TO CROSS-SECTION

OVERLAND FLOW CATCHMENT L
AREA: 850m²
1% AEP PEAK FLOW: 34L/s
FLOW CONTAINED IN KERB & CHANNEL

OVERLAND FLOW CATCHMENT R
AREA: 820m²
1% AEP PEAK FLOW: 33L/s
FLOW CONTAINED IN KERB & CHANNEL

OVERLAND FLOW CATCHMENT T
AREA: 550m²
1% AEP PEAK FLOW: 22L/s
FLOW CONTAINED IN SWALE

STORMWATER LEGEND

- PROPOSED STORMWATER
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- EXISTING STORMWATER
- EX. STORMWATER MANHOLE
- PR. CATCHPIT
- EX. CATCHPIT

- SWALE
- PR. WINGWALL
- EX. WINGWALL
- RAINGARDEN
- OVERLAND FLOW PATH

WASTEWATER LEGEND

- PROPOSED WASTEWATER
- PROPOSED WWMH
- EX. WW Pub
- EXISTING WW LINE (PUBLIC)
- EXISTING WWMH
- EXISTING RISING MAIN

REFER TO SHEET 435 FOR
OVERLAND FLOW PATH
CROSS-SECTIONS

Original Size: 1:500
1:1000 (A3)

B	RC S92 ISSUE	20/05/21
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Survey
Drawn MK
Checked ML
Date 19/05/2021
Scale 1:500 (A1) 1:1000 (A3)
CAD Filename 12582-01-430.dwg
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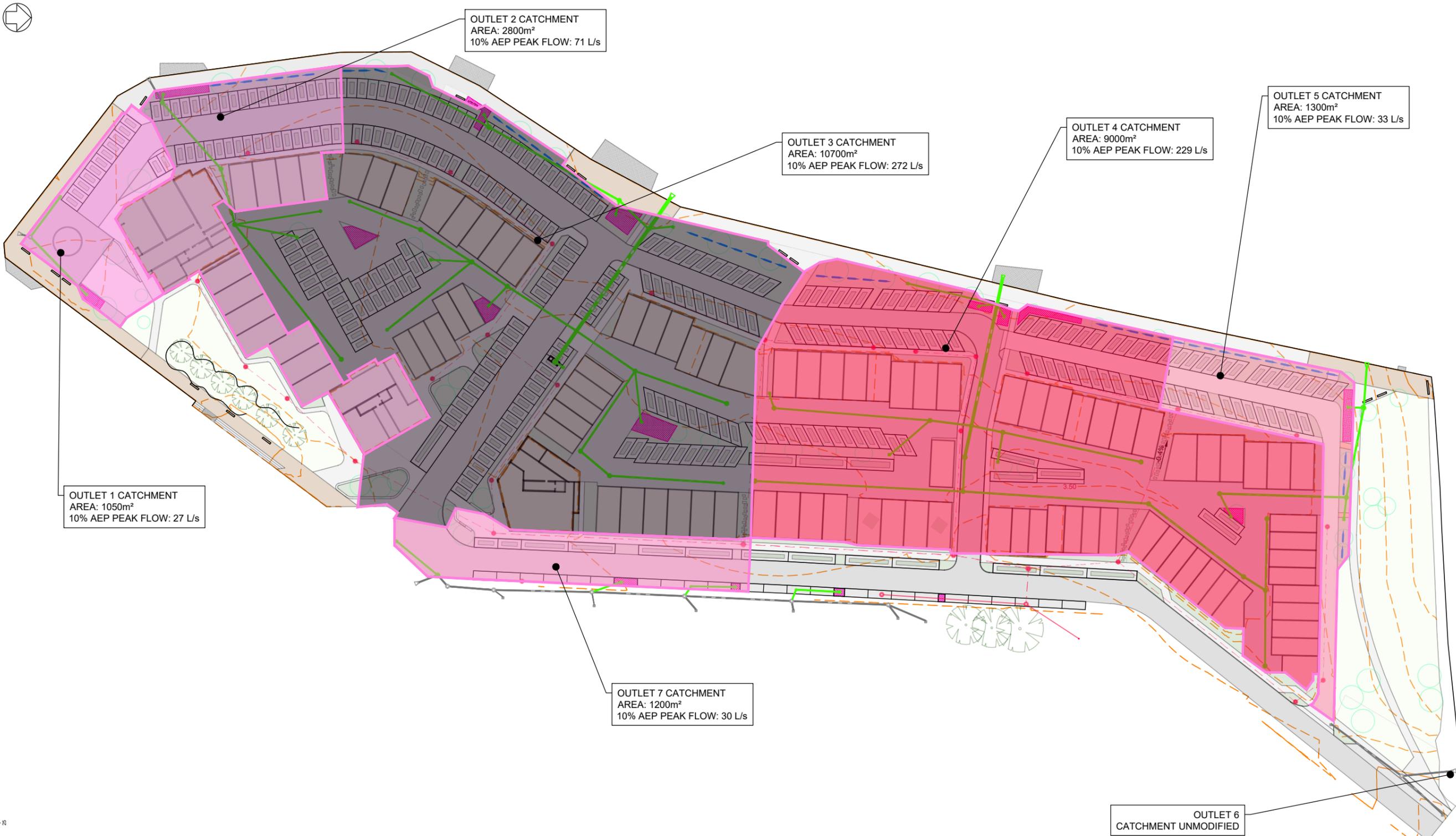
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21 SIR PETER BLAKE PARADE
BAYSWATER
AUCKLAND



Drawing Title:
STORMWATER CATCHMENT PLAN -
OVERLAND FLOW

File No.
12582-01-430

Rev. **B** Dwg. No. **430**



OUTLET 1 CATCHMENT
AREA: 1050m²
10% AEP PEAK FLOW: 27 L/s

OUTLET 2 CATCHMENT
AREA: 2800m²
10% AEP PEAK FLOW: 71 L/s

OUTLET 3 CATCHMENT
AREA: 10700m²
10% AEP PEAK FLOW: 272 L/s

OUTLET 4 CATCHMENT
AREA: 9000m²
10% AEP PEAK FLOW: 229 L/s

OUTLET 5 CATCHMENT
AREA: 1300m²
10% AEP PEAK FLOW: 33 L/s

OUTLET 7 CATCHMENT
AREA: 1200m²
10% AEP PEAK FLOW: 30 L/s

OUTLET 6
CATCHMENT UNMODIFIED

Original Size:
1:500
1:1000 (A3)

STORMWATER LEGEND

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- EX. STORMWATER MANHOLE
- PR. CATCHPIT
- EX. CATCHPIT
- SWALE
- ▤ PR. WINGWALL
- ▤ EX. WINGWALL
- ▭ RAINGARDEN
- ← OVERLAND FLOW PATH

WASTEWATER LEGEND

- PROPOSED WASTEWATER
- PROPOSED WWMH
- Ex WW Pub
- EXISTING WW LINE (PUBLIC)
- EXISTING WWMH
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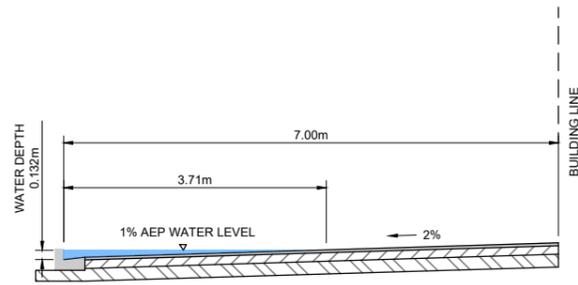
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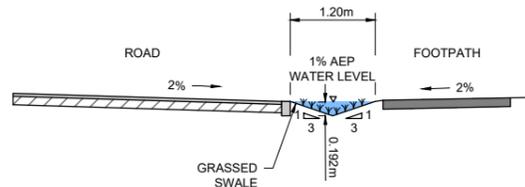
Drawing Title:
**STORMWATER CATCHMENT PLAN -
PIPE NETWORK**

File No.
12582-01-430

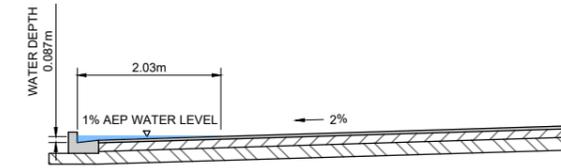
Rev. **B** Dwg. No. **431**



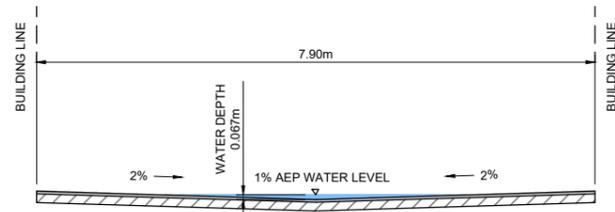
OVERLAND FLOW PATH C



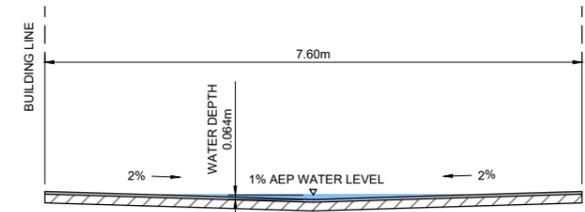
OVERLAND FLOW PATH D



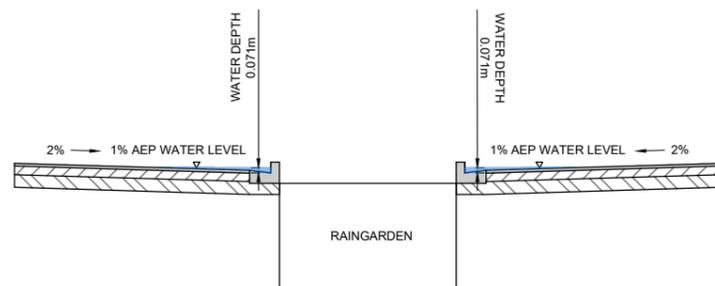
OVERLAND FLOW PATH G



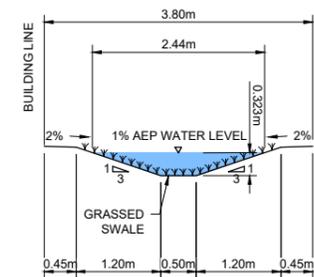
OVERLAND FLOW PATH H



OVERLAND FLOW PATH K



OVERLAND FLOW PATH P



OVERLAND FLOW PATH S

Original Size:
1:50
1:100 (A3)

Design AW
Survey
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21 SIR PETER BLAKE PARADE
BAYSWATER
AUCKLAND



Drawing Title:
OVERLAND FLOW PATH
CROSS-SECTIONS

B	RC S92 ISSUE	20/05/21
A	ISSUED FOR RESOURCE CONSENT	19/02/21
No.	Revision Details (Current Revision Date : 19/05/2021)	Date

File No. 12582-01-430	Rev. B	Dwg. No. 435
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ABBREVIATIONS

WW WASTEWATER
 MH MANHOLE
 CP CESSPIT
 LL LID LEVEL
 IL INVERT LEVEL
 EX EXISTING
 PR PROPOSED

WASTEWATER NOTES:

1. ALL PUBLIC WASTEWATER WORKS TO BE IN ACCORDANCE WITH WATERCARE'S WASTEWATER CODE OF PRACTICE.
2. ALL PRIVATE WASTEWATER WORKS TO BE IN ACCORDANCE WITH AS/NZS 3500.2 (NZBC ACCEPTABLE SOLUTION G13/AS3).
3. CONTRACTOR TO CONFIRM ALL EXISTING SERVICES, AND ESTABLISH NECESSARY CONTROLS, PRIOR TO COMMENCEMENT OF CONSTRUCTION
4. ALL GRAVITY WASTEWATER PIPES SHALL BE uPVC SN16 IN ACCORDANCE WITH AS/NZS 1260 AND SHALL BE INSTALLED IN ACCORDANCE WITH AS/NZS 2566 OR WATERCARE'S CODE OF PRACTICE.
5. ALL WASTEWATER MANHOLES TO BE ROMOLD DN1000 OR APPROVED SIMILAR U.N.O.
6. ALL WASTEWATER MANHOLE LIDS TO BE CLASS D TO AS3996.
7. ALL WASTEWATER MANHOLES TO BE PROVIDED WITH STAINLESS STEEL SAFETY GRILLS IN ACCORDANCE WITH WATERCARE SPECIFICATIONS.



Original Size:
 1:500
 1:1000 (A3)



WASTEWATER LEGEND

- PROPOSED WASTEWATER
- PROPOSED WWMH
- Ex WW Pub EXISTING WW LINE (PUBLIC)
- EXISTING WWMH
- RM EXISTING RISING MAIN

Design PS
 Survey
 Drawn TM
 Checked ML
 Date 30/04/2021
 Scale 1:500 (A1) 1:1000 (A3)
 CAD Filename 12582-01-500.dwg
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Drawing Title:
OVERALL WASTEWATER PLAN

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File No. 12582-01-500	Rev. B	Dwg. No. 500
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