Drawing Plotted: 27 Mar 2020 9:30 am

Beca

- CIVIL ENGINEERING

Project No 3335607

PARK TERRACE RETIREMENT VILLAGE

FOR ASSESSMENT

Prepared for

RYMAN HEALTHCARE

By
Beca

27 MARCH 2020

ORIGINAL DRAWING IN COLOUR

CONCEPT DESIGN
NOT FOR CONSTRUCTION

Drawing No.	Rev.
038-RCT_401_C0-000A	A

Document No. 038-RCT_401_C0-000A.DWG

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LEGEND: GENERAL

- SITE BOUNDARY
- EXTENT OF BASEMENT
- RETAINING WALL TO STRUCTURAL ENGINEER'S DETAILS
- 24.00 MAJOR DESIGN CONTOUR (1m)
- 23.90 MINOR DESIGN CONTOUR (0.1m)
- PROPOSED KERB AND NIB TO CSS SD 602
- PROPOSED KERB AND FLAT CHANNEL TO CSS SD 601
- PROPOSED KERB ONLY (FLUSH) TO CSS SD 602
- PROPOSED INTERPATH CHANNEL TO CSS SD 601
- PROPOSED VEHICLE CROSSING / CUT DOWN TO CCC CSS SD 602
- PROPOSED BUILDING FOOTPRINT (DEFINED AS THE MOST OUTER OUTLINE OF ANY VERTICAL STRUCTURE THAT INTERFACES TO THE GROUND)
- B12 BUILDING NUMBER
- FFL = 16.70m FINISHED FLOOR LEVEL
- PROPOSED ATTTENUATION TANK

LEGEND: EXISTING SERVICES

- SW SW EXISTING STORMWATER
- SS SS EXISTING SANITARY SEWER
- W W EXISTING WATERMAIN
- G G EXISTING GAS
- FO FO EXISTING FIBRE OPTIC CABLE
- OH OH EXISTING OVERHEAD POWER CABLE
- EXISTING STORMWATER MANHOLE
- EXISTING SUMP
- EXISTING CESSPIT
- EXISTING SANITARY SEWER MANHOLE
- W EXISTING WATER METER
- H EXISTING WATER HYDRANT
- P EXISTING POWER BOX
- P EXISTING POWER POLE
- EXISTING POWER TRANSFORMER
- EXISTING STREET LIGHT
- T EXISTING TELECOMMUNICATIONS PLINTH
- EXISTING TRAFFIC LIGHT
- ? EXISTING UNKNOWN MANHOLE

LEGEND: PROPOSED SERVICES

- SW SW PROPOSED STORMWATER PIPE
- PROOSED SLOT DRAIN AND "INLINE SUMP"
- SS SS PROPOSED SANITARY SEWER PIPE
- W W PROPOSED WATER (POTABLE)
- F F PROPOSED WATER (FIRE)
- PROPOSED STORMWATER MANHOLE TO CSS SD303
- PROPOSED STORMWATER SUMP TO CSS SD 325 WITH SUBMERGED OUTLET TO CSS SD 329
- PROPOSED SEWER MANHOLE TO CSS SD 303
- PROPOSED SLUICE VALVE
- FH PROPOSED FIRE HYDRANT TO CSS SD 412
- M PROPOSED WATER METER
- RPZ RPZ PROPOSED REDUCED PRESSURE ZONE VALVE.
- PROPOSED SLAB DRAINAGE DOWNPIPE
- PROPOSED ROOF DRAINAGE DOWNPIPE
- PROPOSED STORMWATER RODDING EYE TO NZBC CLAUSE E1
- PROPOSED WASTEWATER RODDING EYE TO NZBC CLAUSE E1

DRAWING No.	Rev	DRAWING TITLE	DRAWING STATUS
038-RCT_401_C0-000	D	COVER SHEET	RESOURCE CONSENT
038-RCT_401_C0-000A	A	COVER SHEET	CONCEPT DESIGN
038-RCT_401_C0-001	D	LEGEND, DRAWING LIST AND GENERAL NOTES	RESOURCE CONSENT
038-RCT_401_C0-001A	A	LEGEND, DRAWING LIST AND GENERAL NOTES	CONCEPT DESIGN
038-RCT_401_C0-002	D	EXISTING SITE LAYOUT	CONCEPT DESIGN
038-RCT_401_C0-010	D	PROPOSED OVERALL SITE GRADING PLAN	RESOURCE CONSENT
038-RCT_401_C0-011	D	PROPOSED SITE GRADING PLAN SHEET 1 OF 3	CONCEPT DESIGN
038-RCT_401_C0-012	D	PROPOSED SITE GRADING PLAN SHEET 2 OF 3	CONCEPT DESIGN
038-RCT_401_C0-013	B	PROPOSED SITE GRADING PLAN SHEET 3 OF 3	CONCEPT DESIGN
038-RCT_401_C0-020	D	PROPOSED OVERALL SITE SERVICES PLAN	RESOURCE CONSENT
038-RCT_401_C0-021	D	PROPOSED SITE SERVICES PLAN SHEET 1 OF 3	CONCEPT DESIGN
038-RCT_401_C0-022	D	PROPOSED SITE SERVICES PLAN SHEET 2 OF 3	CONCEPT DESIGN
038-RCT_401_C0-023	B	PROPOSED SITE SERVICES PLAN SHEET 3 OF 3	CONCEPT DESIGN
038-RCT_401_C0-050	B	BISHOPSPARK EROSION AND SEDIMENT CONTROL PLAN	CONCEPT DESIGN
038-RCT_401_C0-051	B	PETERBOROUGH EROSION AND SEDIMENT CONTROL PLAN	CONCEPT DESIGN
038-RCT_401_C4-060	B	PROPOSED STORMWATER CONTAINER DEWATERING DEVICE	CONCEPT DESIGN
038-RCT_401_C4-061	B	PROPOSED DN1050 STORMWATER 360 TREATMENT DEVICE	CONCEPT DESIGN
038-RCT_401_C4-062	B	PROPOSED DN1200 STORMWATER 360 TREATMENT DEVICE	CONCEPT DESIGN

DRAWING INDEX

ORIGINAL DRAWING IN COLOUR

CONCEPT DESIGN
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
A	CONCEPT DESIGN	JK	IB	RJ	27.03.20

Drawing Originator: Beca

Original Scale (A1)	Design	S.Crundwell	10.03.20	Approved For Construction*
NTS	Drawn	P.Goundar	10.03.20	
Reduced Scale (A3)	Dsg Verifier	J.Stanton	20.03.20	
NTS	Dwg Check	K.Aulakh	20.03.20	Date

* Refer to Revision 1 for Original Signature

Client: RYMAN HEALTHCARE

Project: PARK TERRACE RETIREMENT VILLAGE

Title: LEGEND, DRAWING LIST AND GENERAL NOTES

Discipline: CIVIL ENGINEERING

Drawing No.: 038-RCT_401_C0-001A

Rev.: A

DO NOT SCALE

IF IN DOUBT ASK.

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Document No. 038-RCT_401_C0-001A.DWG

Drawing Plotted: 27 Mar 2020 10:52 am

NOTE:
1. REFER TO DRAWING 038-RCT_401_C0-001 FOR LEGEND AND GENERAL NOTES.

DORSET STREET

TRADE WASTE ACCESS NEW VEHICLE CROSSING TO CSS SD606 WITH COMMERCIAL VEHICLE TO CSS SD611

UNDERGROUND PROPRIETARY STORAGE TANK (100m³)

PROVIDE "SLOTS" OR NOTCH AT BASE OF FENCE TO ALLOW OVERLAND FLOW TO DISCHARGE TO TRADE WASTE AREA

OVERLAND FLOW DISCHARGES TO DORSET STREET

OVERLAND FLOW DISCHARGES TO DORSET STREET

B03
FFL 16.70m

B04
FFL 16.70m

B05
FFL 16.70m

B01
FFL 16.70m

SITE 1 BASEMENT EXTENT. BASEMENT LEVEL 13.30m

SUMP PROVIDES OVERLAND FLOW RELIEF AND DISCHARGE TO WESTWOOD TERRACE

WESTWOOD TERRACE

BOUNDARY

SWIMMING POOL

BASEMENT WALL EXPOSED ALONG THIS EXTENT. PROVIDE OVERLAND FLOW RELIEF NOTCH (300 WIDE x 100 HIGH) @ 15m C/C

FOR CONTINUATION REFER TO DRAWING 038-RCT_401_C0-012

UNDERGROUND PROPRIETARY STORAGE TANK (100m³)

ORIGINAL DRAWING IN COLOUR

CONCEPT DESIGN
NOT FOR CONSTRUCTION

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No.	Revision	By	Chk	Appd	Date
D	CONCEPT DESIGN	JK	IB	BC	27.03.20
C	FOR APPROVAL	JK	IB	BC	20.03.20
B	FOR APPROVAL	HC	SC	BC	28.02.20
A	FOR APPROVAL	PJ	IB	RJ	14.11.19

Drawing Originator: Beca

Original Scale (A1)	1:250		
Reduced Scale (A3)	1:500		
Design	S.Crundwell	03.20	Approved For Construction*
Drawn	P.Goundar	03.20	
Dsg Verifier	J.Stanton	20.03.20	
Dwg Check	K.Aulakh	20.03.20	Date

* Refer to Revision 1 for Original Signature

Client: RYMAN HEALTHCARE

Project: PARK TERRACE RETIREMENT VILLAGE

Title: PROPOSED SITE GRADING PLAN SHEET 1 OF 3

Discipline: CIVIL ENGINEERING

Drawing No.: 038-RCT_401_C0-011

Rev.: D

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Document No. 038-RCT_401_C0-011.DWG

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D	CONCEPT DESIGN	JK	IB	BC	27.03.20
C	FOR APPROVAL	JK	IB	BC	20.03.20
B	FOR APPROVAL	HC	SC	BC	28.02.20
A	FOR APPROVAL	PJ	IB	RJ	14.11.19

Drawing Originator: Beca

Original Scale (A1) 1:250	Design	S.Crundwell	03.20	Approved For Construction*
Reduced Scale (A3) 1:500	Drawn	P.Goundar	03.20	
	Dsg Verifier	J.Stanton	20.03.20	
	Dwg Check	K.Aulakh	20.03.20	Date

* Refer to Revision 1 for Original Signature

Client: RYMAN HEALTHCARE

Project: PARK TERRACE RETIREMENT VILLAGE

Title: PROPOSED SITE GRADING PLAN SHEET 2 OF 3

Discipline: CIVIL ENGINEERING

Drawing No.: 038-RCT_401_C0-012 Rev.: D

DO NOT SCALE

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Document No. 038-RCT_401_C0-012.DWG

Drawing Plotted: 27 Mar 2020 11:02 am

NOTE:
1. REFER TO DRAWING 038-RCT_401_C0-001 FOR LEGEND AND GENERAL NOTES.

SALISBURY STREET

OVERLAND FLOW PATH TO SALISBURY STREET

SALISBURY STREET ACCESS. NEW VEHICLE CROSSING TO CSS SD601 WITH COMMERCIAL VEHICLE CROSSING TO CSS SD611

BASEMENT RAMP

BASEMENT RAMP

PARK TERRACE

OVERLAND FLOW PATH TO PARK TERRACE

AVON RIVER

B07
R.L. +16.70 m FFL 16.70m

B07
FFL 16.70m R.L. +16.70 m

FLUSH KERB

MAIN SITE ACCESS NEW VEHICLE CROSSING TO CSS SD606 WITH COMMERCIAL VEHICLE CROSSING TO CSS SD611

INTERPATH CHANNEL

B08
R.L. +16.71 m
FFL 16.70m

EXISTING TREE TO BE RETAINED

PETERBOROUGH STREET

OVERLAND FLOW PATH TO PETERBOROUGH STREET

OVERLAND FLOW PATH TO PETERBOROUGH STREET

ORIGINAL DRAWING IN COLOUR

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B	CONCEPT DESIGN	JK	IB	BC	27.03.20
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Drawing Originator: Beca

Design	S.Crundwell	03.20	Approved For Construction*
Drawn	J.Knox	03.20	
Dsg Verifier	J.Stanton	20.03.20	
Dwg Check	K.Aulakh	20.03.20	Date

Original Scale (A1) 1:250
Reduced Scale (A3) 1:500
* Refer to Revision 1 for Original Signature

Client: RYMAN HEALTHCARE

Project: PARK TERRACE RETIREMENT VILLAGE

Title: PROPOSED SITE GRADING PLAN SHEET 3 OF 3

Discipline: CIVIL ENGINEERING

Drawing No.: 038-RCT_401_C0-013 Rev.: B

Document No. 038-RCT_401_C0-013.DWG

DO NOT SCALE

IF IN DOUBT ASK.

Drawing Plotted: 27 Mar 2020 10:24 am

NOTES:

1. REFER TO DRAWING 038-RCT_401_C0-001 FOR LEGEND AND GENERAL NOTES.

CONNECT STORMWATER TO EXISTING SUMP

DN1050 SW360 TREATMENT DEVICE REFER TO DRAWING 038-RCT-401-C4-061 FOR DETAILS

PROPOSED STORMWATER SUMP TO COLLECT RUBBISH STORAGE RUNOFF AND DISCHARGE TO WASTEWATER.

STORMWATER ATTENUATION STORAGE TANKS 100m³ VOLUME

BOUNDARY

DN110

DN160

RPZ

RPZ

B03

FFL 16.70m

B04

FFL 16.70m

B05

FFL 16.70m

B01

FFL 16.70m

ALIGNMENT OF EXISTING STORMWATER ON WESTWOOD TERRACE TBC

EXISTING WASTEWATER PIPE TO SALISBURY STREET TO BE UPGRADED

WESTWOOD TERRACE

CONNECT INTO EXISTING WASTEWATER

DORSET STREET

SWIMMING POOL

DN160

DN110

EXTENT OF BASEMENT UNDER SHOWN DASHED

FOR CONTINUATION REFER TO DRAWING 038-RCT_401_C0-022

STORMWATER ATTENUATION STORAGE TANKS (200m³ VOLUME)

BOWLING GREEN

ORIGINAL DRAWING IN COLOUR

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Design	S.Crundwell	10.03.20	Approved For Construction*
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Dsg Verifier	J.Stanton	20.03.20	
Dwg Check	K.Aulakh	20.03.20	Date

* Refer to Revision 1 for Original Signature

Client: RYMAN HEALTHCARE

Project: PARK TERRACE RETIREMENT VILLAGE

Title: PROPOSED SITE SERVICES PLAN SHEET 1 OF 3

Discipline: CIVIL ENGINEERING

Drawing No.: 038-RCT_401_C0-021

Rev.: D

Document No. 038-RCT_401_C0-021.DWG

DO NOT SCALE

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Drawing Plotted: 27 Mar 2020 10:27 am

NOTES:

1. REFER TO DRAWING 038-RCT_401_C0-001 FOR LEGEND AND GENERAL NOTES.

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Dwg Check	K.Aulakh	20.03.20	Date

* Refer to Revision 1 for Original Signature

Client: RYMAN HEALTHCARE

Project: PARK TERRACE RETIREMENT VILLAGE

Title: PROPOSED SITE SERVICES PLAN SHEET 2 OF 3

Discipline: CIVIL ENGINEERING

Drawing No.: 038-RCT_401_C0-022

Rev.: D

DO NOT SCALE

IF IN DOUBT ASK.

www.beca.com

Document No. 038-RCT_401_C0-022.DWG

Drawing Plotted: 27 Mar 2020 10:37 am

NOTES:

1. REFER TO DRAWING 038-RCT_401_C0-001 FOR LEGEND AND GENERAL NOTES.

SALISBURY STREET

DIRECT CONNECTION TO EXISTING STORMWATER CSS SD 361

NEW MANHOLE CONNECTION

BASEMENT STORMWATER PUMP IN CHAMBER

DN63 RISING MAIN FROM BASEMENT PUMP

POTABLE WATER AND FIRE MAIN ALIGNMENT TO BE CO-ORDINATED WITH BUILDING SERVICES

STORMWATER 360 TREATMENT MANHOLE. REFER DRAWING 038-RCT_401_C4-062 FOR DETAILS

APPROXIMATE LOCATION OF POWER SUPPLY CABINET

PETERBOROUGH STREET

PARK TERRACE

AVON RIVER

BOUNDARY

B07

FF 16.10m

R.L. +16.70 m

B08

R.L. +16.71 m

RPZ

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Reduced Scale (A3) 1:500	Dsg Verifier	J.Stanton	20.03.20
	Dwg Check	K.Aulakh	20.03.20

Approved For Construction* Date

* Refer to Revision 1 for Original Signature

Client: RYMAN HEALTHCARE

Project: PARK TERRACE RETIREMENT VILLAGE

Title: PROPOSED SITE SERVICES PLAN SHEET 3 OF 3

Discipline: CIVIL ENGINEERING

Drawing No.: 038-RCT_401_C0-023

Rev.: B

DO NOT SCALE

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Document No. 038-RCT_401_C0-023.DWG

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Drawing Plotted: 27 Mar 2020 11:45 am

ORIGINAL DRAWING IN COLOUR

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NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
B	CONCEPT DESIGN	JK	IB	BC	27.03.20
A	FOR APPROVAL	JK	IB	BC	20.03.20

Drawing Originator: Beca

Original Scale (A1) 1:250
Reduced Scale (A3) 1:500

Design	C.Blyth	28.02.20	Approved For Construction*
Drawn	J.Knox	20.03.20	
Dsg Verifier	M.Rademaker	28.02.20	
Dwg Check	I.Bannon	20.03.20	Date

* Refer to Revision 1 for Original Signature

Client: RYMAN HEALTHCARE

Project: PARK TERRACE RETIREMENT VILLAGE

Title: BISHOPSPARK EROSION AND SEDIMENT CONTROL PLAN

Discipline: CIVIL ENGINEERING

Drawing No.: 038-RCT_401_C0-050

Rev.: B

DO NOT SCALE

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Document No. 038-RCT_401_C0-050.DWG

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B	CONCEPT DESIGN	JK	IB	BC	27.03.20
A	FOR APPROVAL	JK	IB	BC	20.03.20

Drawing Originator: Beca

Original Scale (A1) 1:250	Design	C.Blyth	28.02.20
	Drawn	J.Knox	20.03.20
Reduced Scale (A3) 1:500	Dsg Verifier	M.Rademaker	28.02.20
	Dwg Check	I.Bannon	20.03.20

Approved For Construction* Date

* Refer to Revision 1 for Original Signature

Client: RYMAN HEALTHCARE

Project: PARK TERRACE RETIREMENT VILLAGE

Title: PETERBOROUGH EROSION AND SEDIMENT CONTROL PLAN

Discipline: CIVIL ENGINEERING

Drawing No.: 038-RCT_401_C0-051

Rev.: B

DO NOT SCALE

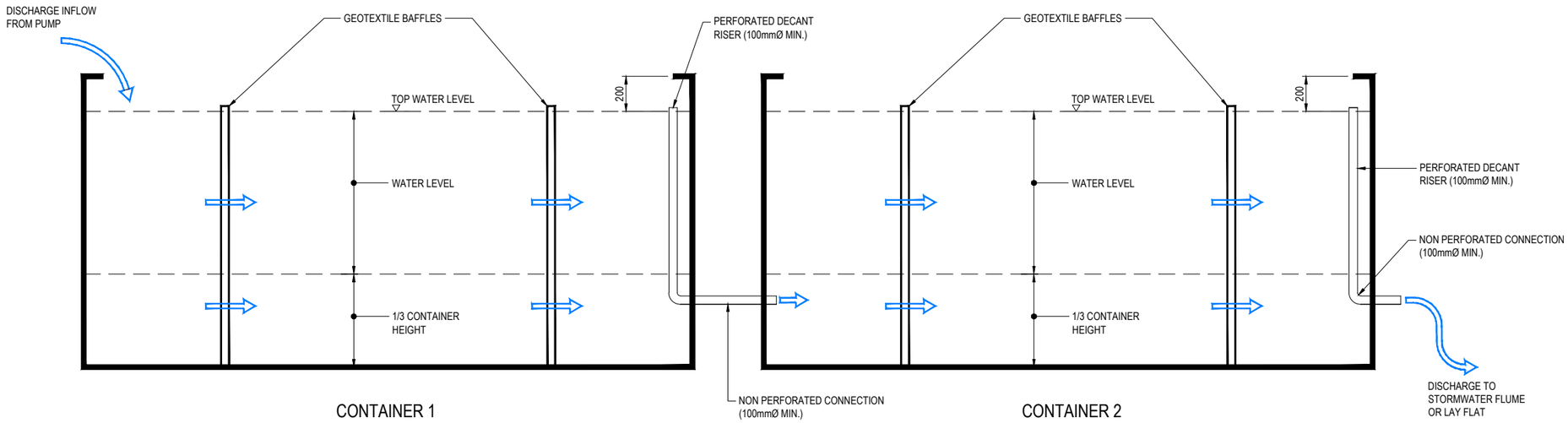
IF IN DOUBT ASK.

www.beca.com

Document No. 038-RCT_401_C0-051.DWG

NOTES

1. NOT TO SCALE
2. MULTIPLE BAFFLES CAN BE INSTALLED AS APPROPRIATE.
3. MULTIPLE CONTAINERS CAN BE CONNECTED IN UNISON FOR ADDITIONAL TREATMENT.
4. FLOCCULATION TO BE CONSIDERED INDEPENDENTLY.
5. SCHEMATIC ONLY TO BE CONSIDERED ONCE DEVICE AND APPROPRIATE CONTAINERS ARE SOUGHT.



SCHEMATIC CROSS-SECTION - EXAMPLE CONTAINER DEWATERING DEVICE

SCALE NTS

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B	CONCEPT DESIGN	JK	IB	BC	27.03.20
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Dsg Verifier	M.Rademaker	28.02.20	
Dwg Check	I.Bannon	20.03.20	Date

* Refer to Revision 1 for Original Signature

Client: RYMAN HEALTHCARE

Project: PARK TERRACE RETIREMENT VILLAGE

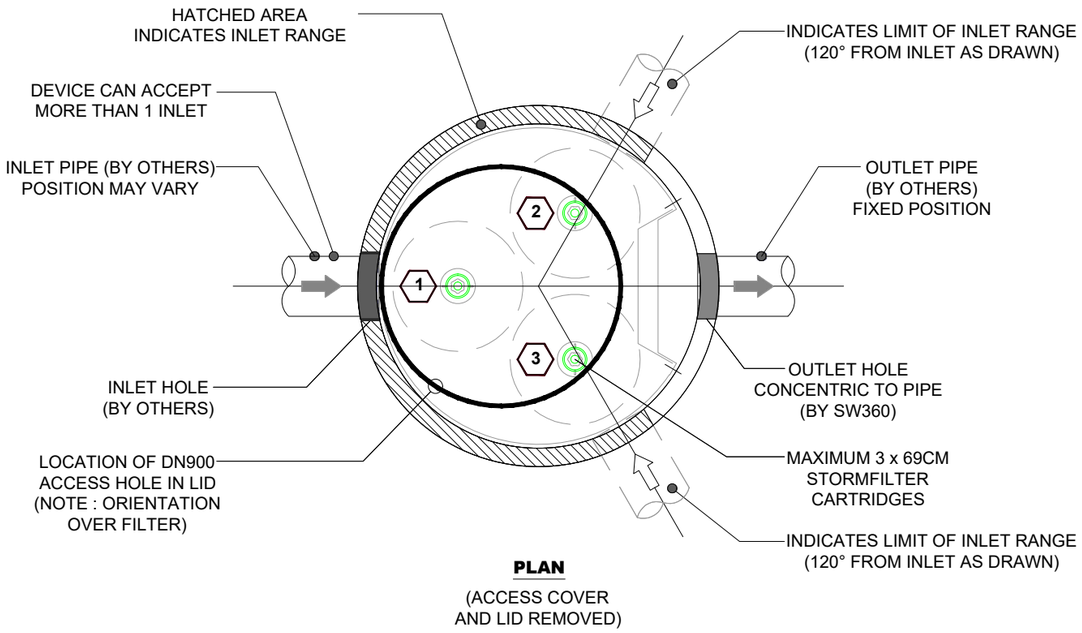
Title: PROPOSED STORMWATER CONTAINER DEWATERING DEVICE

Discipline: CIVIL ENGINEERING

Drawing No.: 038-RCT_401_C4-060

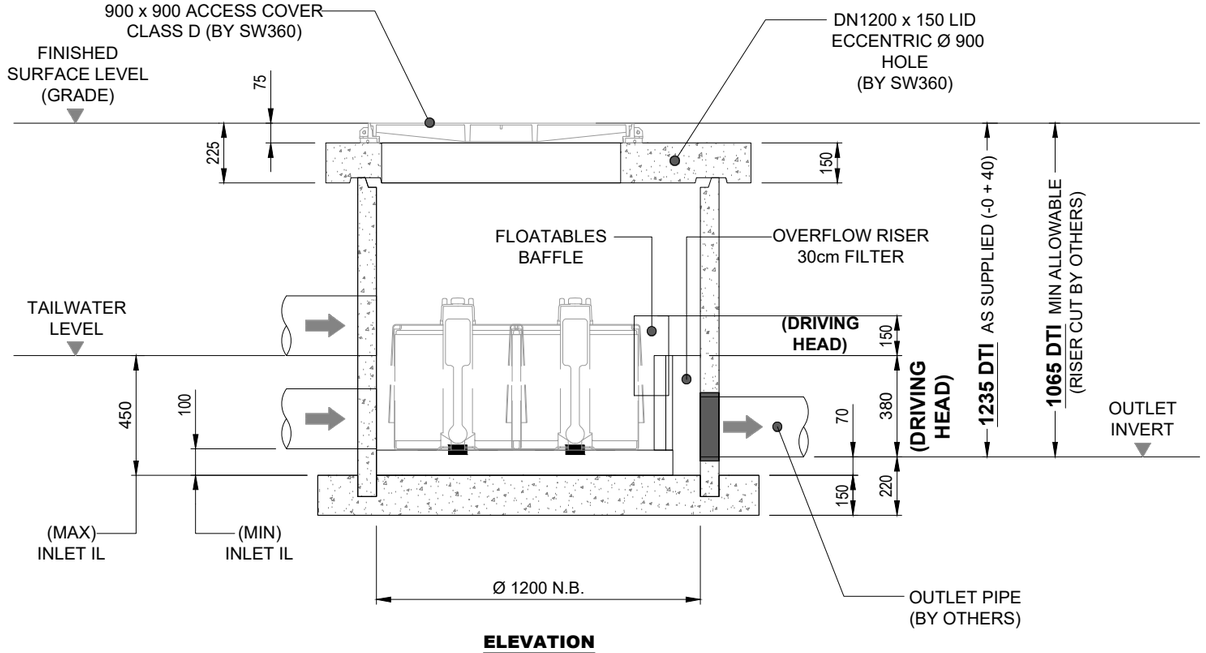
Rev.: B

Document No. 038-RCT_401_C4-060.DWG



PLAN

(ACCESS COVER
AND LID REMOVED)



ELEVATION

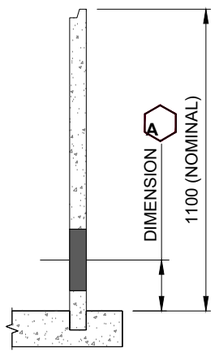
TO BE COMPLETED BY CUSTOMER / CONTRACTOR						
COMPANY :					P.O. NUMBER :	
SITE ADDRESS :						
SITE CONTACT & PHONE :						
PREFERRED DELIVERY DATE (TBC SW360) :						
STORMFILTER REFERENCE (IF APPLICABLE) :						
OUTLET HOLE Ø (CIRCLE) : *(TYPICAL PIPE MATERIAL)*	**Ø 130** *(DN100 PVC)*	**Ø 200** *(DN150 PVC)*	**Ø 225** *(DN175 PVC)*	**Ø 275** *(DN225 PVC)*	**Ø 300** *(DN225 RRJ)*	**Ø 350** *(DN300 PVC)*
LID LEVEL (RL) :		OUTLET PIPE (IL) :			DTI :	
COMPLETED BY :		SIGNED :			DATE :	

TO BE COMPLETED BY SW360				
SW360 PRODUCT CODE :				
MEDIA TYPE (CIRCLE ONE) :	PERLITE	ZPG	OTHER :	
CARTRIDGE QTY (STATE) :			PRE-INSTALLATION (Y/N) :	
SP FLOW RATE (CIRCLE ONE) :	FULL (Ø 22.7 ID) YELLOW	3 QTR (Ø 19.7 ID) GREEN	HALF (Ø 16.2 ID) BLUE	OTHER :
ACCESS COVER (CIRCLE ONE) :	900 x 900 WEB-FORGE / CLASS D		OTHER :	
COMPLETED BY :	SIGNED :		DATE :	

SW360 PRODUCTION DATA

OUTLET HOLE DETAILS :

(CIRCLE REQUIREMENT)



OUTLET HOLE Ø	DIM (A)
130	120
200	145
225	165
275	190
300	180
350	220

DWG ISSUE No. :

REQUIRED DATE :

NOTES

1. MANHOLE UNIT FITTED WITH SWIFTLIFT ANCHOR POINTS (QTY 2). DO NOT EXCEED 60 DEGREE LIFT ANGLE. CONCRETE LID FITTED WITH SWIFTLIFT ANCHOR POINTS (QTY 4).
2. UNIT SUPPLIED WITH OUTLET CORE DRILLED. INLET/S CORE DRILLED ON SITE BY OTHERS WITHIN RANGE SHOWN ON DRAWING.
3. SEALING / GROUTING OF MANHOLE COMPONENTS AND PIPES BY CONTRACTOR. ENSURING LOCAL CODES AND REGULATIONS ARE COMPLIED WITH.
4. ANY RISERS REQUIRED TO INCREASE THE DEPTH TO INVERT (DTI) FROM THAT AS DRAWN TO BE SUPPLIED BY THE CONTRACTOR.
5. FOR A DTI EXCEEDING 5m PLEASE CONTACT **0800STORMWATER**.
6. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION RELATED EROSION RUNOFF.
7. BACKFILL, BEDDING AND BUOYANCY DESIGN BY ENGINEER OF RECORD
8. QTY OF CARTRIDGES BY ENGINEER OF RECORD.
9. CONCRETE MANHOLE RISERS ARE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH AS/NZS 4058 : 2007
10. CONCRETE MANHOLE BASES ARE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH NZS 3101 : 2006 & NZS 3109 : 1997
11. CONCRETE LID DESIGNED AND MANUFACTURED TO HN-HO-72
12. FOR REQUIREMENTS OUTSIDE OF DRAWING SPECIFICATIONS PLEASE CONTACT **0800STORMWATER**.

MANHOLE SECTION INCLUDING CARTRIDGES : **1800 Kg**
(AS DELIVERED, BASED ON QTY 3 ZPG CARTS)
LID WEIGHT : **550 Kg**

CONCEPT DESIGN
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B	CONCEPT DESIGN	JK	IB	BC	27.03.20
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Drawing Originator:

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Design	S.Crundwell	10.03.20	Approved For Construction*
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Dwg Check	K.Aulakh	20.03.20	Date

* Refer to Revision 1 for Original Signature

Client: RYMAN HEALTHCARE

Project: PARK TERRACE RETIREMENT VILLAGE

Title: PROPOSED DN1050 STORMWATER 360 TREATMENT DEVICE

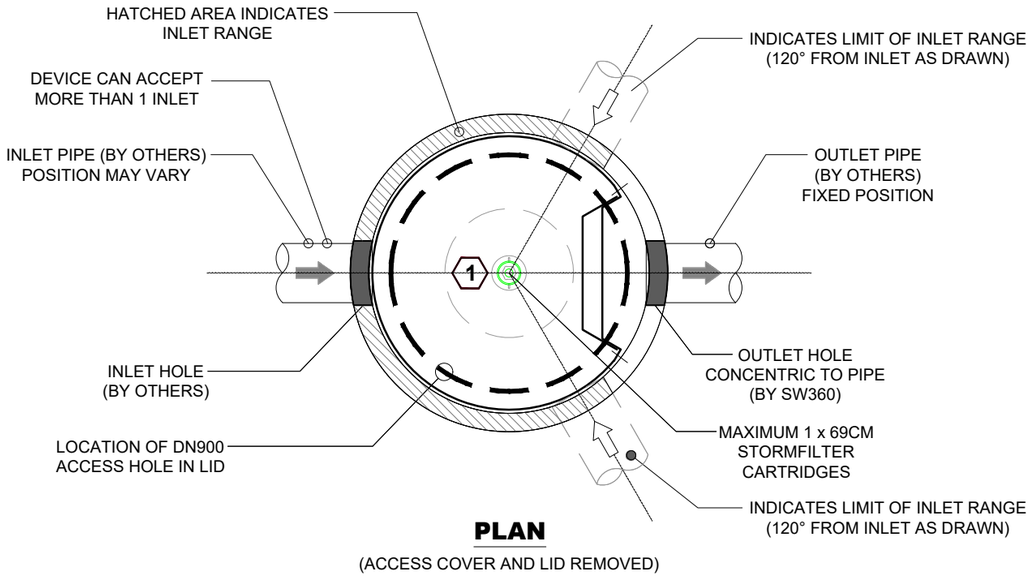
Discipline: CIVIL ENGINEERING

Drawing No.: 038-RCT_401_C4-061 Rev.: B

Document No. 038-RCT_401_C4-061.DWG

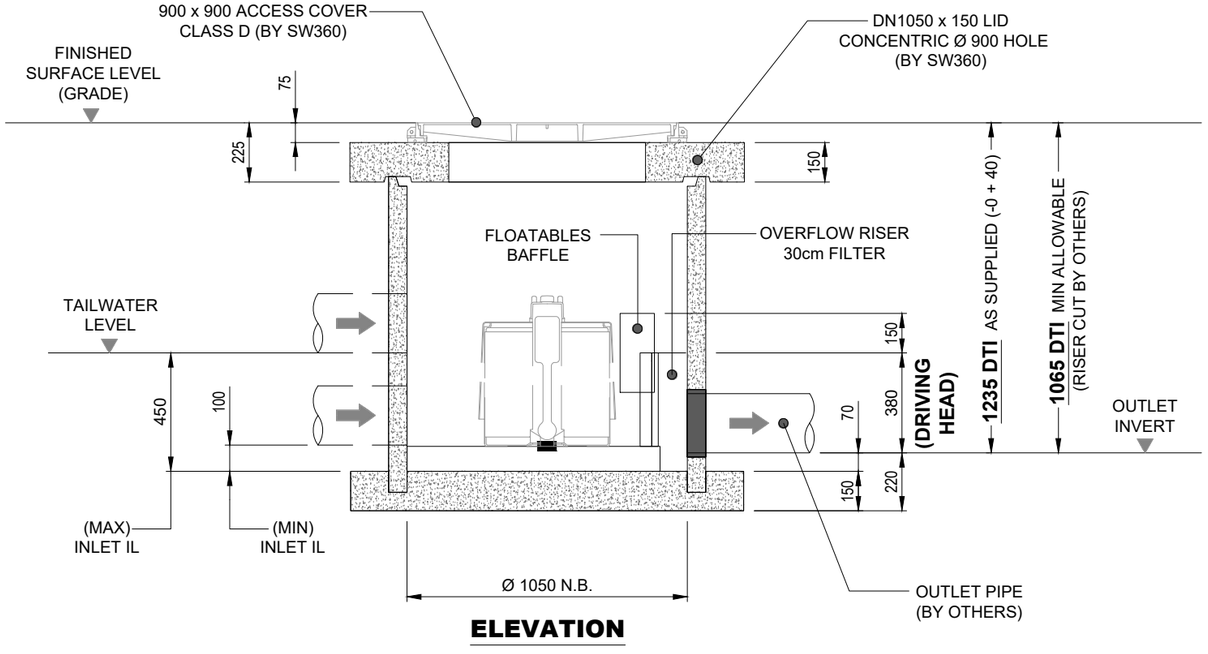
DO NOT SCALE

IF IN DOUBT ASK.



PLAN

(ACCESS COVER AND LID REMOVED)



ELEVATION

TO BE COMPLETED BY CUSTOMER / CONTRACTOR

COMPANY :					P.O. NUMBER :	
SITE ADDRESS :						
SITE CONTACT & PHONE :						
PREFERRED DELIVERY DATE (TBC SW360) :						
STORMFILTER REFERENCE (IF APPLICABLE) :						
OUTLET HOLE Ø (CIRCLE) : *(TYPICAL PIPE MATERIAL)*	**Ø 130** *(DN100 PVC)*	**Ø 200** *(DN150 PVC)*	**Ø 225** *(DN175 PVC)*	**Ø 275** *(DN225 PVC)*	**Ø 300** *(DN225 RRJ)*	**Ø 350** *(DN300 PVC)*
LID LEVEL (RL) :		OUTLET PIPE (IL) :			DTI :	
COMPLETED BY :		SIGNED :			DATE :	

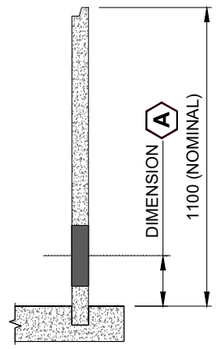
TO BE COMPLETED BY SW360

SW360 PRODUCT CODE :				
MEDIA TYPE (CIRCLE ONE) :	PERLITE	ZPG	OTHER :	
CARTRIDGE QTY (STATE) :			PRE-INSTALLATION (Y/N) :	
SP FLOW RATE (CIRCLE ONE) :	FULL (Ø 22.7 ID) YELLOW	3 QTR (Ø 19.7 ID) GREEN	HALF (Ø 16.2 ID) BLUE	OTHER :
ACCESS COVER (CIRCLE ONE) :	900 x 900 WEB-FORGE / CLASS D		OTHER :	
COMPLETED BY :	SIGNED :		DATE :	

SW360 PRODUCTION DATA

OUTLET HOLE DETAILS :

(CIRCLE REQUIREMENT)



OUTLET HOLE Ø	DIM (A)
130	120
200	145
225	165
275	190
300	180
350	220

DWG ISSUE No. :

REQUIRED DATE :

NOTES

1. MANHOLE UNIT FITTED WITH SWIFTLIFT ANCHOR POINTS (QTY 2). DO NOT EXCEED 60 DEGREE LIFT ANGLE. CONCRETE LID FITTED WITH SWIFTLIFT ANCHOR POINTS (QTY 4).
2. UNIT SUPPLIED WITH OUTLET CORE DRILLED. INLET/S CORE DRILLED ON SITE BY OTHERS WITHIN RANGE SHOWN ON DRAWING.
3. SEALING / GROUTING OF MANHOLE COMPONENTS AND PIPES BY CONTRACTOR. ENSURING LOCAL CODES AND REGULATIONS ARE COMPLIED WITH.
4. ANY RISERS REQUIRED TO INCREASE THE DEPTH TO INVERT (DTI) FROM THAT AS DRAWN TO BE SUPPLIED BY THE CONTRACTOR.
5. FOR A DTI EXCEEDING 5m PLEASE CONTACT **0800STORMWATER**.
6. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION RELATED EROSION RUNOFF.
7. BACKFILL, BEDDING AND BUOYANCY DESIGN BY ENGINEER OF RECORD
8. QTY OF CARTRIDGES BY ENGINEER OF RECORD.
9. CONCRETE MANHOLE RISERS ARE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH AS/NZS 4058 : 2007
10. CONCRETE MANHOLE BASES ARE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH NZS 3101 : 2006 & NZS 3109 : 1997
11. CONCRETE LID DESIGNED AND MANUFACTURED TO HN-HO-72
12. FOR REQUIREMENTS OUTSIDE OF DRAWING SPECIFICATIONS PLEASE CONTACT **0800STORMWATER**.

APPROX WEIGHTS

MANHOLE SECTION INCLUDING CARTRIDGES : **1400 Kg**
(AS DELIVERED, BASED ON QTY 1 ZPG CARTS)
LID WEIGHT : **500 Kg**

CONCEPT DESIGN
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
B	CONCEPT DESIGN	JK	IB	BC	27.03.20
A	FOR APPROVAL	JK	IB	BC	20.03.20

Drawing Originator: Beca

Original Scale (A1) NTS
Reduced Scale (A3) NTS

Design	S.Crundwell	10.03.20	Approved For Construction*
Drawn	J.Knox	20.03.20	
Dsg Verifier	J.Stanton	20.03.20	
Dwg Check	K.Aulakh	20.03.20	Date

* Refer to Revision 1 for Original Signature

Client: RYMAN HEALTHCARE

Project: PARK TERRACE RETIREMENT VILLAGE

Title: PROPOSED DN1200 STORMWATER 360 TREATMENT DEVICE

Discipline: CIVIL ENGINEERING

Drawing No.: 038-RCT_401_C4-062

Rev.: B

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