

**Townsville City Council**  
**Accepted As Constructed**  
**OPW24/0102**  
**19/03/2026**

- LEGEND**
- STAGE BOUNDARY
  - LOT BOUNDARY
  - MOUNTABLE TYPE KERB AND CHANNEL
  - S — PROPOSED SEWER RETICULATION
  - MAINTENANCE HOLE/SHAFT
  - S — PROPOSED SEWER HOUSE CONNECTION
  - S — EXISTING SEWER RETICULATION
  - SWD — STORMWATER DRAINAGE
  - E — ELECTRICAL CONDUIT
  - W — WATER RETICULATION MAIN



**NOTE:** LOCATION AND LEVELS OF ALL EXISTING SERVICES AND PROPOSED STORMWATER OUTLETS TO BE CONFIRMED ON SITE BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM A 'BEFORE YOU DIG' SEARCH AND CARRY OUT ALL INVESTIGATIONS REQUIRED TO SATISFY THEMSELVES OF THE LOCATION OF EXISTING SERVICES. ANY POTENTIAL CONFLICTS SHALL BE REPORTED TO THE SUPERINTENDENT.

**WH&S NOTE:**  
 ALL CONSTRUCTION WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF WORKPLACE HEALTH AND SAFETY QUEENSLAND FOR INFORMATION.  
 TEL: 1300 362 128 WEB: www.worksafe.qld.gov.au

**NOTE:**  
 1. HOUSE CONNECTIONS HAVE BEEN DESIGNED TO CONTROL THE REQUIRED SERVICE AREA OF EACH LOT AT A MINIMUM GRADE OF 1:60, A MINIMUM COVER OF 0.6m, AND A MAXIMUM DEPTH OF PROPERTY CONNECTION AT 1.5m UNLESS STATED OTHERWISE.

**LIVE CONNECTION**  
 LIVE CONNECTION BY TOWNSVILLE CITY COUNCIL. AT DEVELOPER EXPENSE. CONNECT TO EXISTING STUBS FROM 4/6 DN150 SEWER DIVERSION TO BE CO-ORDINATED AND APPROVED BY TOWNSVILLE CITY COUNCIL PRIOR TO WORKS COMMENCING.

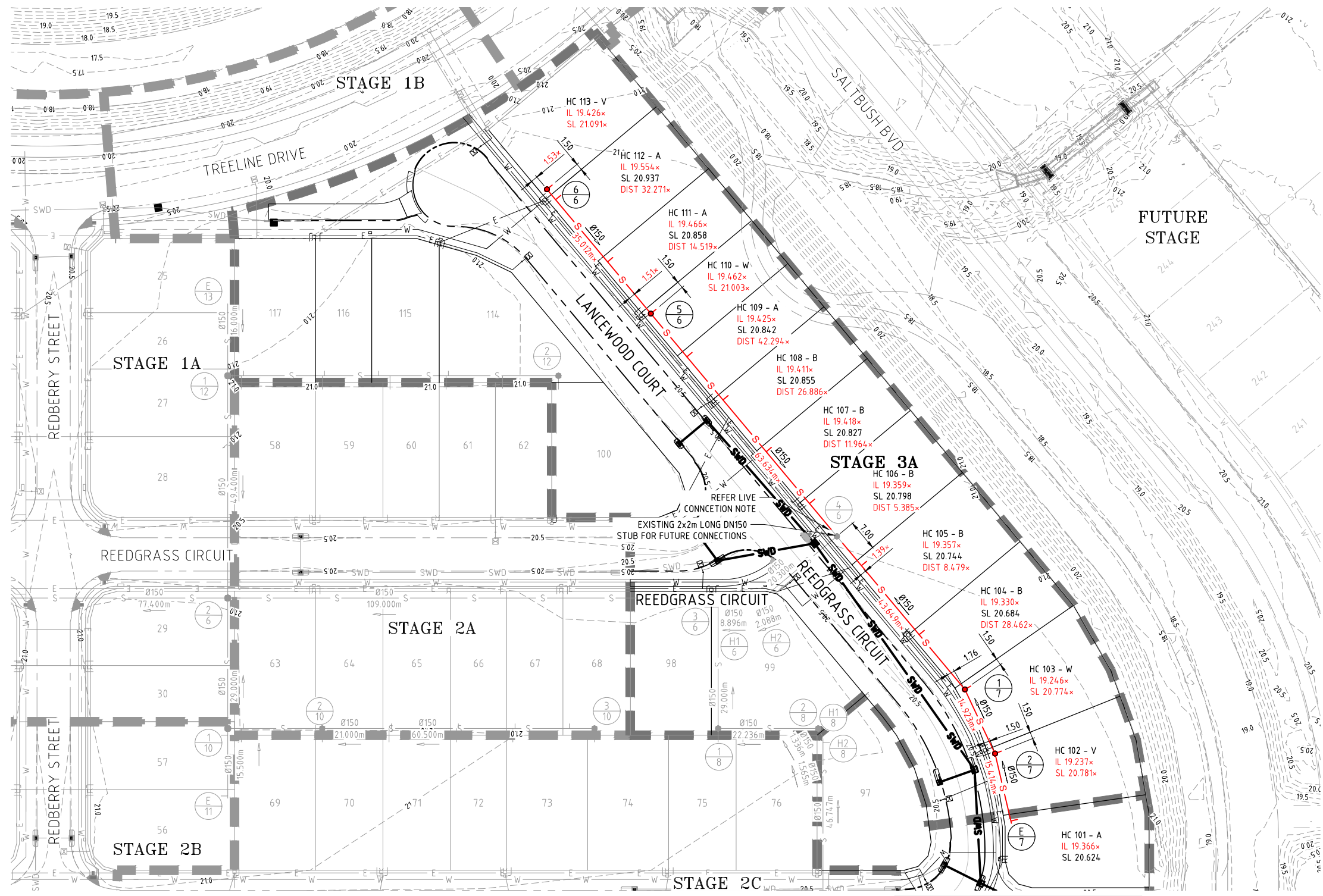
**AS CONSTRUCTED CERTIFICATION**  
 THE WORK ON THIS DRAWING HAS BEEN CONSTRUCTED GENERALLY IN ACCORDANCE WITH THE DESIGN DRAWINGS AND THE INTENT OF THE GUIDELINES OF TOWNSVILLE CITY COUNCIL

APPROVED: *[Signature]* RPEQ: 07034  
 for and on behalf of Empower Engineer & Project Managers **EMPOWER**

LEVEL UP SURVEYING PTY LTD (ABN 74 682 454 717), 7/53 DACMAR ROAD, COOLUM BEACH QLD 4573 hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (\*) heron as they have been constructed for subdivision.

Name: Brad Costello Registration No. 7430 Date: 27/02/26

SCALE 1:500 (A1) 1:1000 (A3)  
 DO NOT SCALE USE ONLY THE DIMENSIONS PROVIDED.



JOINS TO DRAWING No. B00535-CS003

**LAYOUT PLAN**  
 SCALE 1:500 (A1)

**AS CONSTRUCTED**

ENGINEERING CERTIFICATION  
*[Signature]*  
 Registered Engineer  
 Date 27/02/2026  
 RPEQ No. 07034  
 Registered Accreditation



Client <b>URBEX PTY LTD</b>	Datum AHN 114264 RL 19.281 (MGA) COORD	
Project <b>SOMERS &amp; HERVEY ESTATE - STAGE 3A &amp; 3B</b>	<b>AS CONSTRUCTED</b>	
Title <b>SEWERAGE RETICULATION LAYOUT PLAN SHEET 1 OF 2</b>	Project No. Drawing No. Rev <b>B00535-CS002 1</b>	

Plot Date: 18/02/2026 3:53:38 PM File Name: S:\2024\URBEX\MANIZDS\101\B00535\_254714\_CIVIL-DRES\1.2\_CURRENT\OPW\STAGE 4\B00535-CS002.dwg

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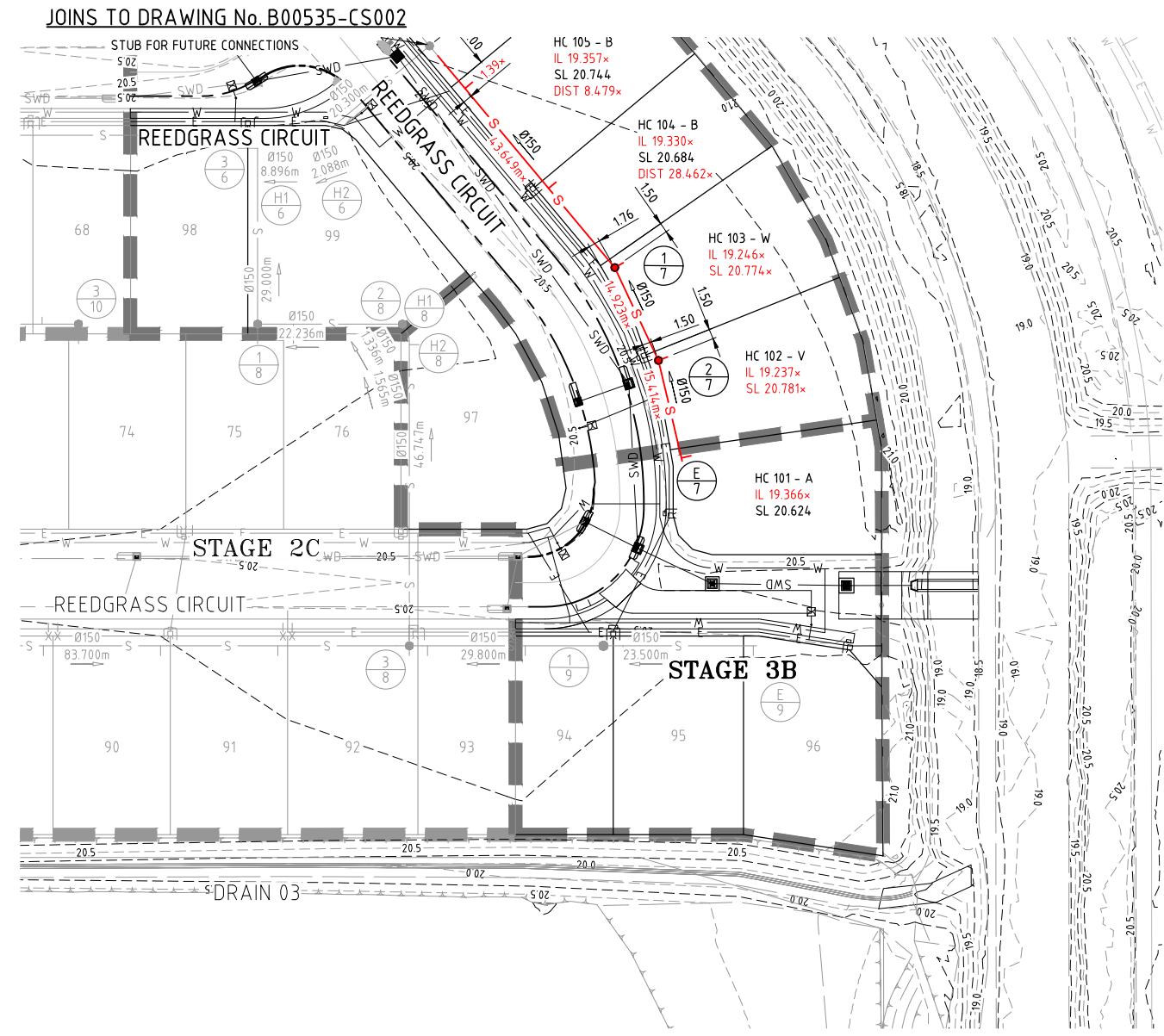


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**LAYOUT PLAN**  
 SCALE 1:500 (A1)

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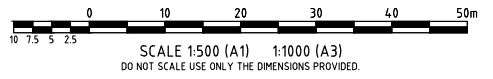
Name Brad Costello Signature   
 Registration No. 7430 Date 27/02/26

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APPROVED: RPEQ: 07034

for and on behalf of  
 Empower Engineer & Project Managers



**AS CONSTRUCTED**

ENGINEERING CERTIFICATION  
  
 Registered Engineer  
 Date 27/02/2026  
 RPEQ No. 07034  
 Registered Accreditation



Client **URBEX PTY LTD**  
 Project **SOMERS & HERVEY ESTATE - STAGE 3A & 3B**  
 Title **SEWERAGE RETICULATION LAYOUT PLAN SHEET 2 OF 2**

Da/um  
 AHD  
 PSM 114264  
 RL 19.281  
 (MGA) COORD

**AS CONSTRUCTED**

Project No. Drawing No. Rev  
**B00535-CS003 1**

User: ISAAC\_OBSON  
 Plot Date: 18/02/2026 3:53:50 PM  
 File Name: S:\1026\Urban\MAN\ZDS\101\B00535\_254714\_CIVIL-DWG5\A2\_CURRENT\OPW\STAGE 4\B00535-SEW

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	3-6	H1.6	H2.6	4-6	5-6	6-6	4-6	1-7	2-7	E/7	3-8	1-9	E-9	
MANHOLE TYPE/DROP	A	V	B	A	V	A	A	V	V	END	A	V	END	
MANHOLE COVER	B	B	B	B	B	B	B	B	B	B	B	B	B	
JUNCTION LINE No.	Line 8			Line 7										
JUNCTION DROP	V			V										
HC DEPTH			1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1401	
HC TYPE			Type B	Type B	Type B	Type B	Type B	Type B	Type B	Type B	Type B	Type B	Type A	
HC IL			IL 19.359 IL 19.299	IL 19.418 IL 19.337	IL 19.411 IL 19.336	IL 19.425 IL 19.342	IL 19.462 IL 19.349	IL 19.466 IL 19.358	IL 19.327 IL 19.336	IL 19.366 IL 19.223	IL 19.150 IL 19.103	IL 19.088 IL 19.149	IL 19.266 IL 19.193	IL 19.530 IL 19.402
HC LOT No.			Lot 106	Lot 107	Lot 108	Lot 109	Lot 110	Lot 111	Lot 112	Lot 113	Lot 93	Lot 94	Lot 95	Lot 96
Maintenance Hole Types: (SEQ-SEW-1101-2) P1-P3-PRE-CAST CONCRETE A=1000φ CONCRETE B=1200φ CONCRETE C=1500φ CONCRETE														
Maintenance Shafts: (SEQ-SEW-1314-1) G=φ225 uPVC														
NOTE: 1. FOR MANHOLE DROP TYPES REFER SEQ-SEW-1303-1 (INTERNAL DROPS ONLY) 2. FOR COVER TYPES REFER SEQ-SEW-1308-1 (DIMENSION H TO BE 150mm FOR NEW SUBDIVISIONS) 3. IN-LINE BENDS REFER SEQ-SEW-1314-3 4. FOR HC TYPES AND DROPS REFER SEQ-SEW-1104-1 & SEQ-SEW-1105-1 (CTM CODE DRAWING LIST NOTES SPECIFIC TO TCC)														
LEGEND X ALLOTMENT CONTROL LEVEL ▽ HOUSE CONNECTION Conc CONCRETE COVER C.I. CAST IRON COVER BolT BOLT DOWN COVER														
PROP. DESCRIPTION	LOT													
DIAMETER/TYPE	φ150PVC-U SN8													
GRADE (1 in)	94.87x 118	4.114.0x 118	111.68x 118	92.09x 96.70	99.47x 100.00		94.48x 100.00	94.45x 100	93.42x 100.00		93.0x 100	93.5x 100.00		
LENGTH	8.896 9.013x	2.880 2.057x	20.380 19.432x	64.493 63.634x	36.007 35.012x		44.344 43.649x	15.763 14.923x	15.894 15.474x		29.800 28.955x	23.500 22.901x		
DATUM (m)				63.634x	35.012x		43.649x	14.923x	15.474x		28.955x	22.901x		
JUNCTION INVERT LEVEL						18.328								
DEPTH BELOW F.S.L.	2.900x 2.067x	2.711x 2.807x	2.714x 2.723x	2.714x 2.704x	2.709x 2.704x	2.524x 2.515x	2.454x 2.454x	1.991x 1.872x	1.816x 1.670x	1.463x 1.794x	2.009x 1.887x	1.516x 1.504x	1.340x 1.336x	
INVERT LEVEL	17.878x 17.669x	17.971x 18.066x	18.066x 18.066x	18.071x 18.071x	18.245x 18.248x	18.315x 18.315x	18.006x 18.994x	18.801x 18.801x	18.781x 18.959x	18.989x 18.981x	18.679x 18.758x	18.069x 18.069x	18.325x 18.327x	
FINISHED SURFACE LEVEL	20.778x 20.772x	20.780x 20.779x	20.779x 20.779x	20.769x 20.762x	21.003x 20.842x	21.091x 20.942x	20.774x 20.643x	20.781x 20.628x	20.615x 20.615x	20.688x 20.661x	20.584x 20.527x	20.657x 20.657x	20.615x 20.615x	
CHAINAGE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
LINE	6			6			7				9			

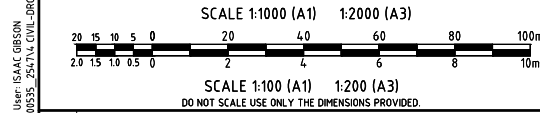
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ENGINEERING CERTIFICATION  
  
 Registered Engineer  
 Date 27/02/2026  
 RPEQ No. 07034  
 Registered Accreditation

**Somers & Hervey**  
 ESTATE

1	AS CONSTRUCTED	EM	ES	CH	CH	18/02/26	RPEQ No. 07034
No.	Amendments	Drawn	Design	Design Chk	Appd	Date	Registered Accreditation

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Client	URBEX PTY LTD	Datum	AHD
Project	SOMERS & HERVEY ESTATE - STAGE 3A & 3B	PSM	114264
Title	SEWERAGE RETICULATION LONGITUDINAL SECTIONS	RL	19.281
		(MGA) COORD	
		<b>AS CONSTRUCTED</b>	
		Project No.	Drawing No.
		B00535-CS004	1