

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

- LEGEND**
- STAGE BOUNDARY
  - PROPOSED LOT BOUNDARY
  - BARRIER TYPE KERB AND CHANNEL
  - MOUNTABLE TYPE KERB AND CHANNEL
  - 63 DN63 PE WATER MAIN
  - DN100 uPVC WATER MAIN
  - SWD STORMWATER DRAINAGE
  - STORMWATER MAINTENANCE HOLE
  - STORMWATER CATCHPITS
  - STORMWATER HEADWALL
  - STORMWATER FIELD INLET

- SYMBOLS**
- HYDRANT TEE FH
  - ISOLATION VALVE SV
  - REDUCER
  - END CAP
  - WATER CONNECTION X
  - THRUST BLOCK

**BEFORE YOU DIG**  
www.byeda.com.au

**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

**AS CONSTRUCTED CERTIFICATION**

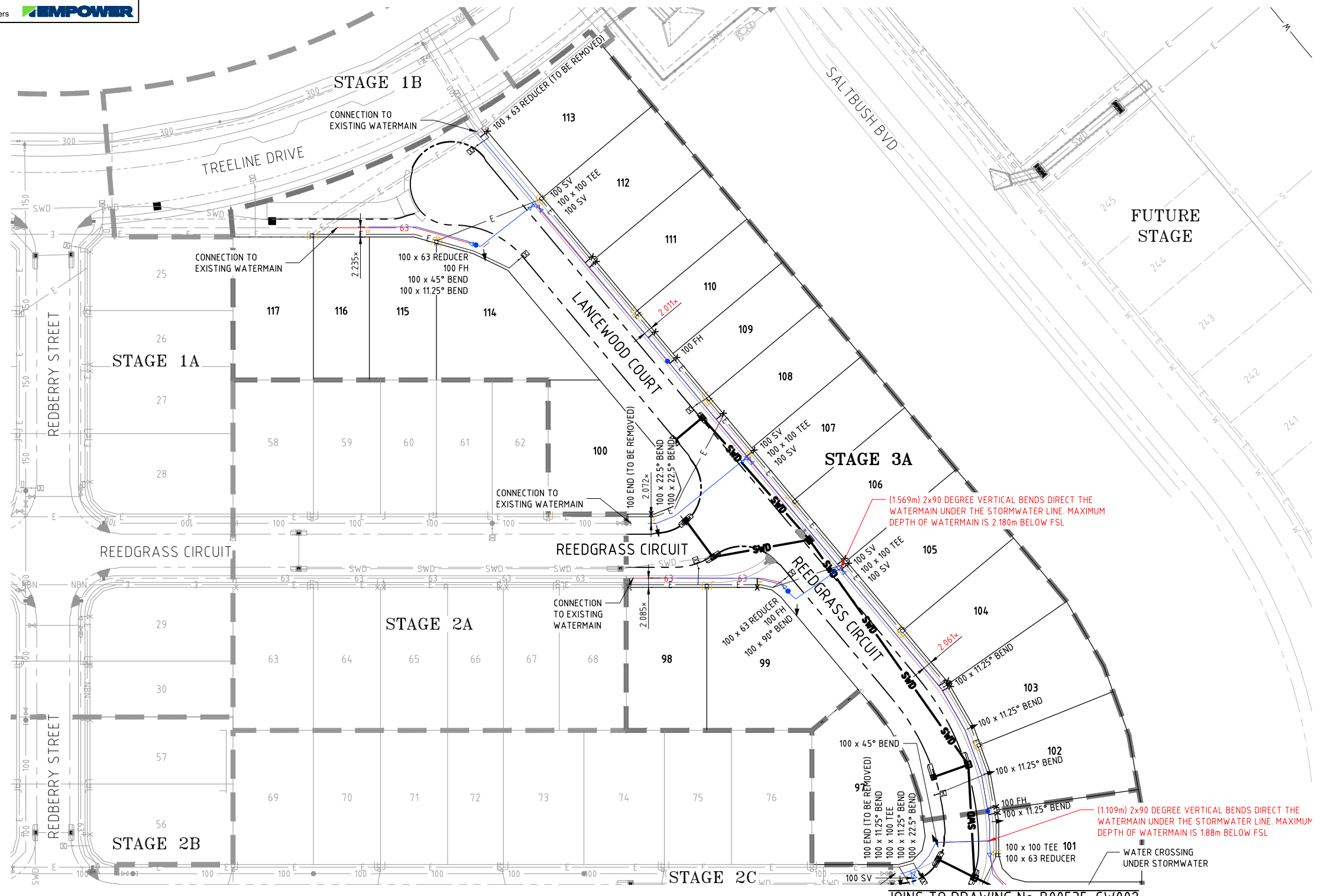
THE WORK ON THIS DRAWING HAS BEEN CONSTRUCTED GENERALLY IN ACCORDANCE WITH THE DESIGN DRAWINGS AND THE INTENT OF THE GUIDELINES OF TOWNSVILLE CITY COUNCIL

APPROVED: *Chad Wain* RPEQ: 12732

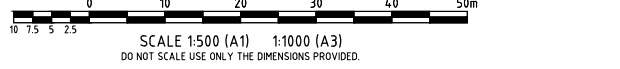
for and on behalf of Empower Engineer & Project Managers

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 (\*) hereon as they have been constructed for subdivision.

Name: Brad Costello Signature: *Brad Costello*  
Registration No. 7430 Date: 11/03/2026



- WATER NOTES**
- ALL WATER MAINS TO BE LOCATED 2.05m ALIGNMENT OFFSET FROM PROPERTY BOUNDARIES UNLESS SHOWN OTHERWISE.
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH TOWNSVILLE CITY COUNCIL STANDARD DRAWINGS (WATER).
  - ALL uPVC MAINS TO BE SERIES 2, PN16 TO AS/NZS 1477 RUBBER RING JOINTED, WITH SOCKETED D.I.C.L. FITTINGS UNLESS NOTED OTHERWISE.
  - CONNECTION TO EXISTING WATER MAINS TO BE CARRIED OUT BY TOWNSVILLE CITY COUNCIL AT THE CONTRACTOR'S COST.
  - CONTRACTOR TO VERIFY ALL UNDERGROUND SERVICES WITH THE RELATIVE AUTHORITIES PRIOR TO ANY EXCAVATION.
  - WHERE REQUIRED uPVC WATER MAINS SHALL BE DIVERTED UNDER STORMWATER LINES BY WAY OF 4x45° BENDS OR BY PIPE DEFLECTION IN Ø63 POLY PIPE.
  - WATER SERVICE TO BE CONSTRUCTED IN ACCORDANCE WITH MACKAY COUNCIL STD. DWG. A3-00840 TYPICAL SECTION WITH MAIN UNDER CONCRETE FOOTPATH. CAPPED END OF 32 DIA POLY TO TERMINATE 300MM BELOW GROUND LEVEL, WITH A WATER MARKER CONNECTED TO THE END AND ATTACHED TO A 50x25mm HARDWOOD STAKE 600MM LONG INSTALLED 300mm TO MARK LOCATION.



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

JOINS TO DRAWING No. B00535-CW002

Plot Date: 10/03/2026 3:20:55 PM User: ETHAN SCHAFER File Name: S:\2024\URBEX\MANZOS\B00535\_254714\_CIVIL\URBEX\OPW\STAGE 4\B00535-WAT

**AS CONSTRUCTED**

ENGINEERING CERTIFICATION					
<i>Chad Wain</i>					
Registered Engineer					
Date 10/3/2026					
12732					
Registered Accreditation					



Client	URBEX PTY LTD		
Project	SOMERS & HERVEY ESTATE - STAGE 3A & 3B		
Title	WATER RETICULATION LAYOUT PLAN SHEET 1 OF 2		
Da'um	AHD	PSM 114264	
	RL 19.281	(MGA) COORD	
<b>AS CONSTRUCTED</b>		Project No.	Drawing No.
		B00535-CW001	2

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**Townsville City Council**  
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**OPW24/0102**  
**19/03/2026**

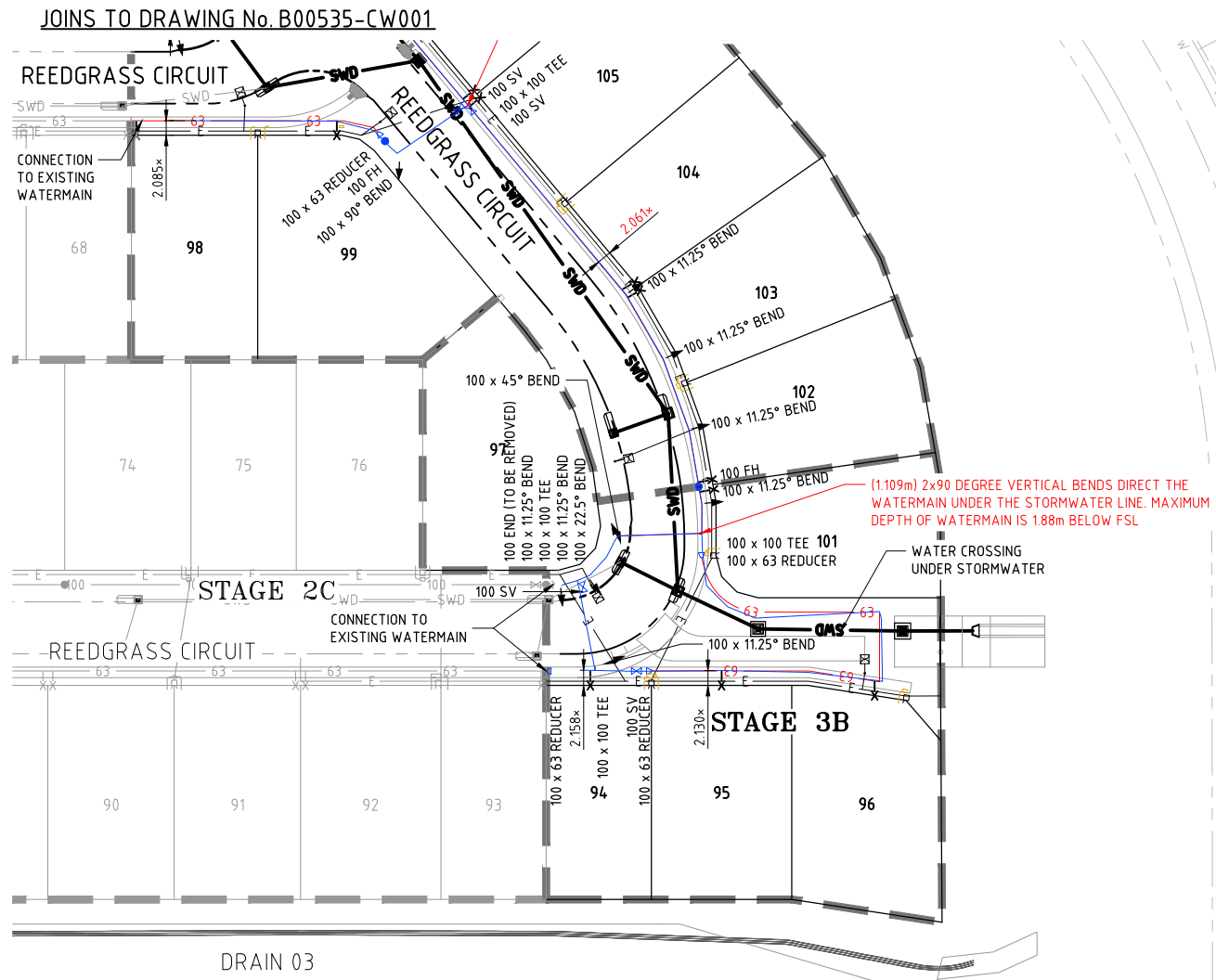
- LEGEND**
- STAGE BOUNDARY
  - PROPOSED LOT BOUNDARY
  - BARRIER TYPE KERB AND CHANNEL
  - MOUNTABLE TYPE KERB AND CHANNEL
  - 63 DN63 PE WATER MAIN
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  - STORMWATER MAINTENANCE HOLE
  - STORMWATER CATCHPITS
  - ▲ STORMWATER HEADWALL
  - STORMWATER FIELD INLET

- SYMBOLS**
- HYDRANT TEE — FH
  - ISOLATION VALVE — SV
  - REDUCER —
  - END CAP —
  - WATER CONNECTION — X
  - THRUST BLOCK —



**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.

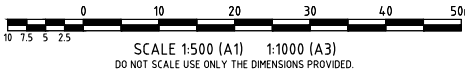
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 TEL: 1300 362 128 WEB: www.worksafe.qld.gov.au



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

**WATER NOTES**

1. ALL WATER MAINS TO BE LOCATED 2.05m ALIGNMENT OFFSET FROM PROPERTY BOUNDARIES UNLESS SHOWN OTHERWISE.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH TOWNSVILLE CITY COUNCIL STANDARD DRAWINGS (WATER).
3. ALL uPVC MAINS TO BE SERIES 2, PN16 TO AS/NZS 1477 RUBBER RING JOINTED, WITH SOCKETED D.I.C.L. FITTINGS UNLESS NOTED OTHERWISE.
4. CONNECTION TO EXISTING WATER MAINS TO BE CARRIED OUT BY TOWNSVILLE CITY COUNCIL AT THE CONTRACTOR'S COST.
5. CONTRACTOR TO VERIFY ALL UNDERGROUND SERVICES WITH THE RELATIVE AUTHORITIES PRIOR TO ANY EXCAVATION.
6. WHERE REQUIRED uPVC WATER MAINS SHALL BE DIVERTED UNDER STORMWATER LINES BY WAY OF 4x45° BENDS OR BY PIPE DEFLECTION IN ø63 POLY PIPE.
7. WATER SERVICE TO BE CONSTRUCTED IN ACCORDANCE WITH MACKAY COUNCIL STD. DWG. A3-00840 TYPICAL SECTION WITH MAIN UNDER CONCRETE FOOTPATH. CAPPED END OF 32 DIA POLY TO TERMINATE 300MM BELOW GROUND LEVEL, WITH A WATER MARKER CONNECTED TO THE END AND ATTACHED TO A 50x25mm HARDWOOD STAKE 600MM LONG INSTALLED 300mm TO MARK LOCATION.



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 (\*) hereon as they have been constructed for subdivision.

Name: Brad Costello Signature: [Signature]  
 Registration No. 7430 Date: 11/03/26

**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: 12732

for and on behalf of  
 Empower Engineer & Project Managers **EMPOWER**

User: ETHAN SCAFFER Plot Date: 10/03/2026 3:20:58 PM File Name: S:\2024\Urban\MANIZDS\101\B00535\_254714\_CIVIL-DWG\AS CONSTRUCTED\OPW\STAGE 4\B00535-WAT

AS CONSTRUCTED

<b>ENGINEERING CERTIFICATION</b>					
[Signature]					
Registered Engineer					
Date 10/3/2026					
12732					
Registered Accreditation					

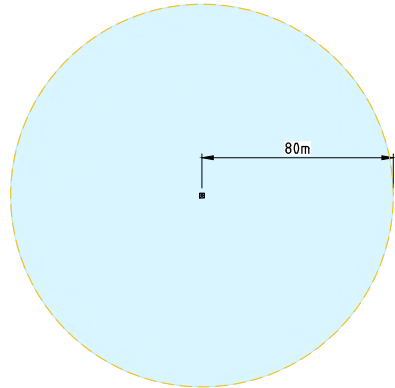
**Somers & Hervey**  
 ESTATE  
**URBEX**

**EMPOWER**

Client <b>URBEX PTY LTD</b>	Datum AHD PSM 114264 RL 19.281 (MGA) COORD	
Project <b>SOMERS &amp; HERVEY ESTATE - STAGE 3A &amp; 3B</b>	<b>AS CONSTRUCTED</b>	
Title <b>WATER RETICULATION LAYOUT PLAN SHEET 2 OF 2</b>	Project No. Drawing No. Rev <b>B00535-CW002 2</b>	

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

- LEGEND**
- STAGE BOUNDARY
  - PROPOSED LOT BOUNDARY
  - BARRIER TYPE KERB AND CHANNEL
  - MOUNTABLE TYPE KERB AND CHANNEL
  - 63 DN63 PE WATER MAIN
  - 100 DN100 uPVC WATER MAIN
  - 150 DN150 uPVC WATER MAIN

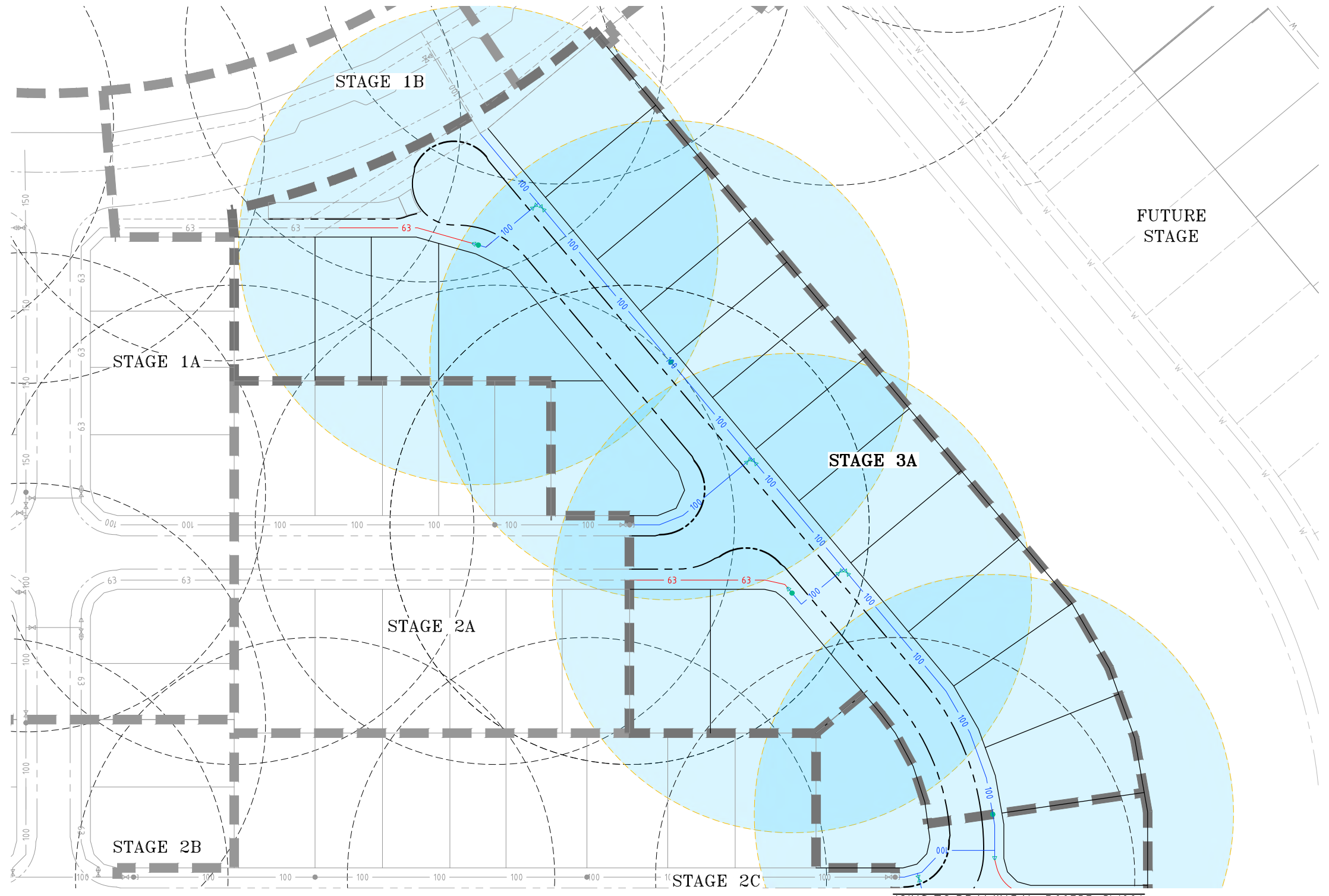


**FIRE HYDRANT COVERAGE**  
N.T.S.

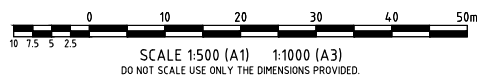
SYMBOLS	
HYDRANT TEE	FH
ISOLATION VALVE	SV
GATE VALVE	50GV
END CAP	
THRUST BLOCK	

**WATER NOTES**

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



User: ISAAC\_GIBSON  
 Plot Date: 18/02/2026 3:54:37 PM  
 File Name: S:\2024\URBEX\MANIZOS\B00535\_254714\_CIVIL-DWG\OPW\STAGE 4\B00535-WATCH

**AS CONSTRUCTED**

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

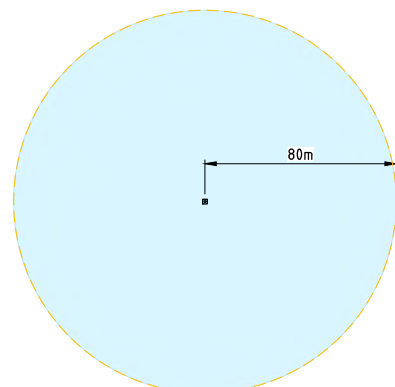
**Somers & Hervey**  
ESTATE

<b>Client</b> URBEX PTY LTD	<b>Project</b> SOMERS & HERVEY ESTATE - STAGE 3A & 3B	<b>Datum</b> AHD	<b>PSM</b> 114264	
<b>Title</b> WATER RETICULATION LAYOUT PLAN - HYDRANT COVERAGE SHEET 1 OF 2		<b>RL</b> 19.281	<b>(MGA) COORD</b>	
		<b>AS CONSTRUCTED</b>		
<b>Project No.</b> B00535-CW003	<b>Drawing No.</b>	<b>Rev</b> 1		

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LEGEND

- STAGE BOUNDARY
- PROPOSED LOT BOUNDARY
- BARRIER TYPE KERB AND CHANNEL
- MOUNTABLE TYPE KERB AND CHANNEL
- DN63 PE WATER MAIN
- DN100 uPVC WATER MAIN
- DN150 uPVC WATER MAIN



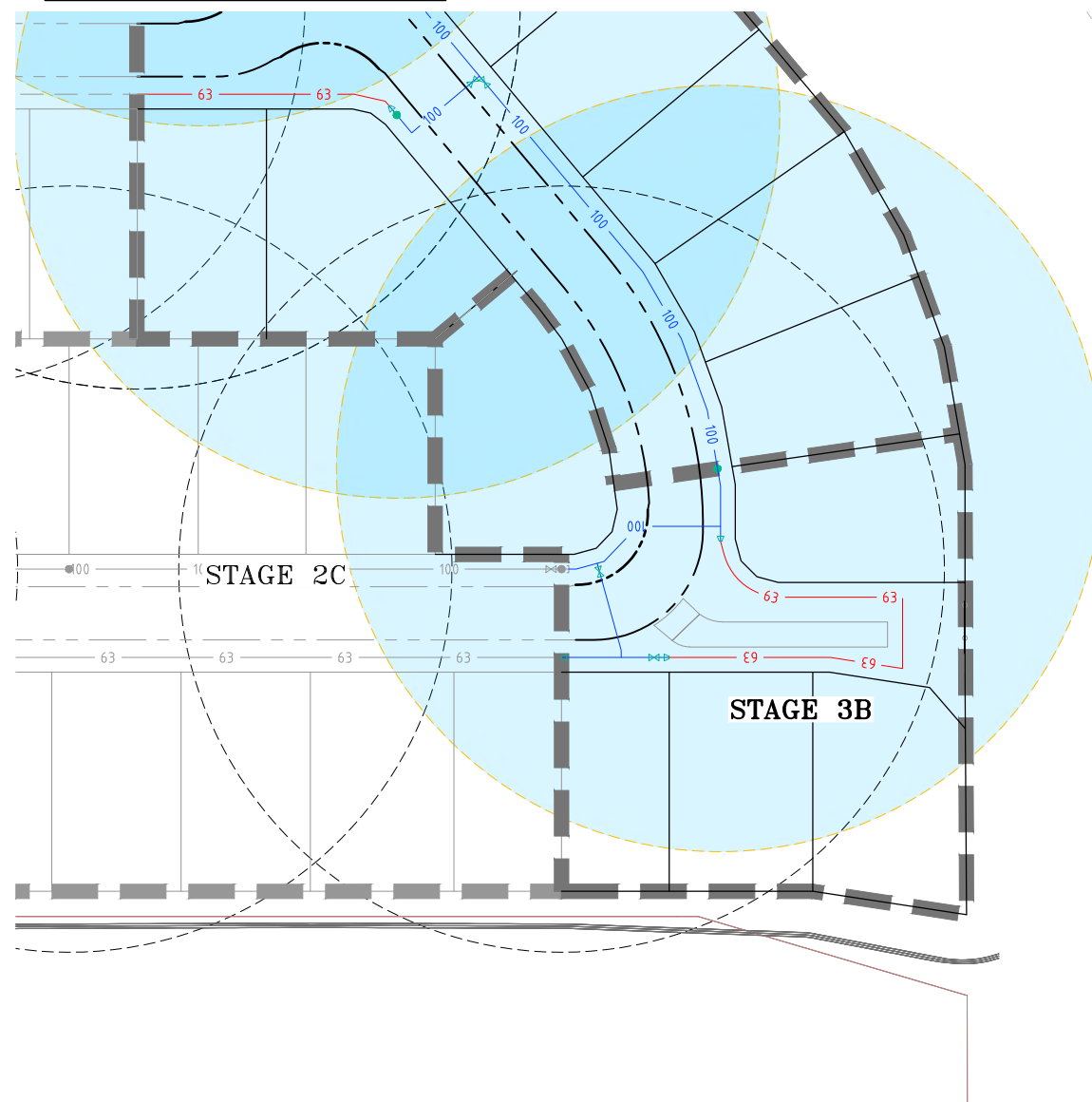
FIRE HYDRANT COVERAGE  
N.T.S.

SYMBOLS	
HYDRANT TEE	
ISOLATION VALVE	
GATE VALVE	
END CAP	
THRUST BLOCK	

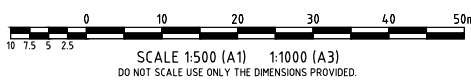
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JOINS TO DRAWING No. B00535-CW003



LAYOUT PLAN  
SCALE 1:500 (A1)



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

AS CONSTRUCTED

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

**Somers & Hervey**  
ESTATE

**URBEX**

**EMPOWER**

Client	URBEX PTY LTD	Datum	AHD	
Project	SOMERS & HERVEY ESTATE - STAGE 3A & 3B	PSM	114264	
Title	WATER RETICULATION LAYOUT PLAN - HYDRANT COVERAGE SHEET 2 OF 2	RL	19.281	(MGA) COORD
		AS CONSTRUCTED		
No.	Amendments	Project No.	Drawing No.	Rev
1		B00535-CW004		1