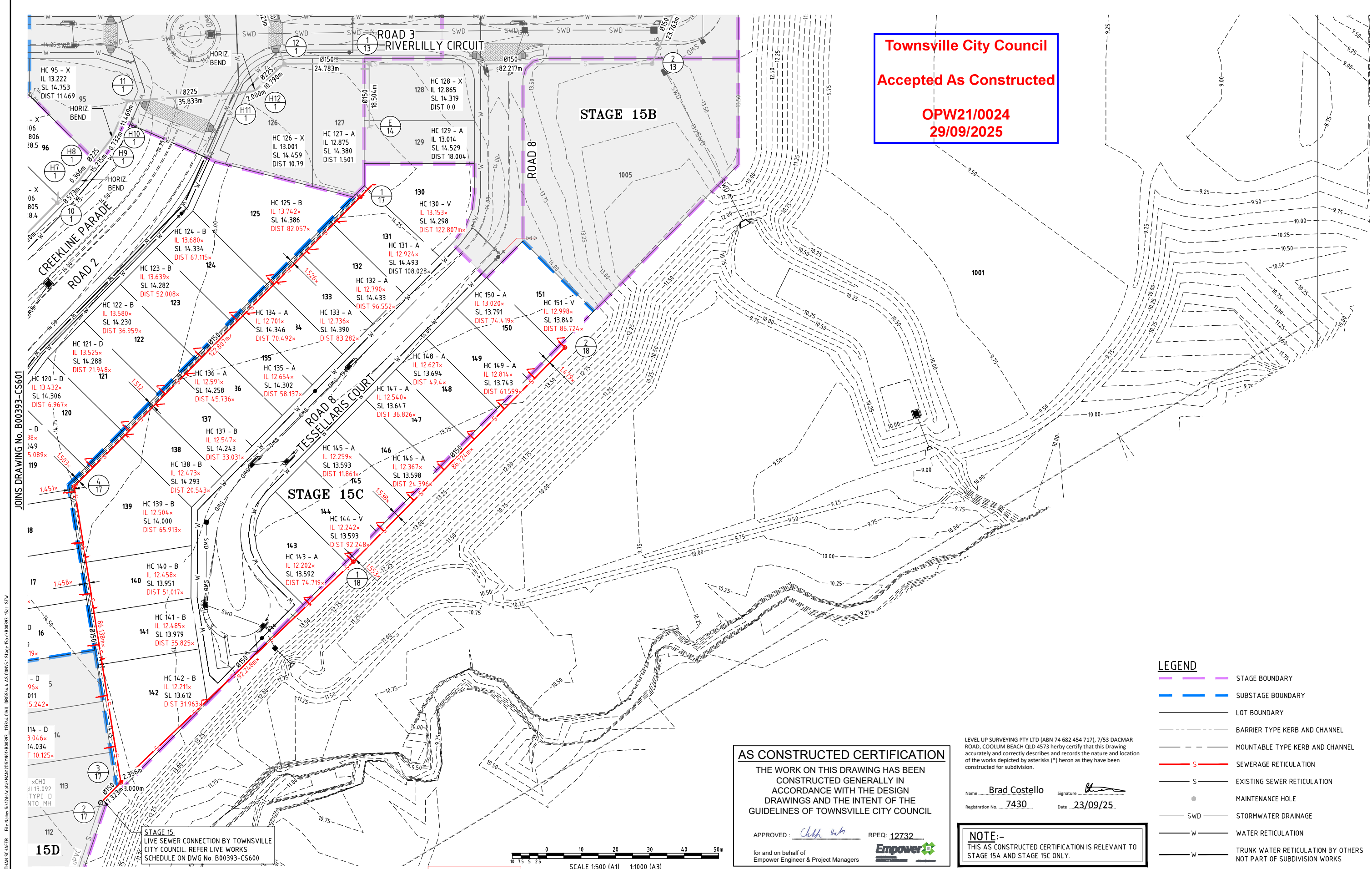




User: _____								AS CONSTRUCTED	
								Chdph Wdth	
								Registered Engineer	
								25/9/2025 12732	
								Date Register	
0	AS CONSTRUCTED			LS	LW	CH	CH	09/09/25	
No.	Amendments			Drawn	Design	Design Chk	Appd	Date	ENGINEERING CERTIFICATION
This drawing cannot be copied or reproduced in any form or used for any purpose other than that originally intended without the written permission of Empower Engineers and Project Managers © COPYRIGHT 2025									

AS CONSTRUCTED

Chick Wicks

Registered Engineer
25/9/2025

12732

Date Register

09/09/25

ENGINEERING CERTIFICATION

Drawn Design Design Chk Appd Date

THE Reserve

From the developers of Kalynda Chase

urbex designed for life

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: Chick Wicks RPEQ: 12732

for and on behalf of Empower Engineer & Project Managers

Empower

Client URBEX PTY LTD

Project THE RESERVE - STAGE 15A AND 15C

Title SEWER RETICULATION LAYOUT SHEET 2 OF 2

Datum AHD PSM 200645 RL 14.410 (MGA) COORD

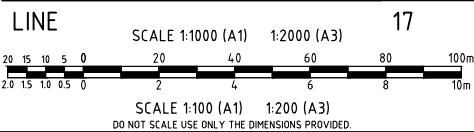
AS CONSTRUCTED

Project No. B00393-CS602

Drawing No.

Rev 0

MH/MS No.	2-17	2A-17	3-17	4-17	1-17
MH/MS TYPE/DROP	EX SHL	PIPE STUB END	S1050 V	S1050 V	S1050 V
MH/MS COVER TYPE			B	B	B
BRANCH LINE No.			18		
BRANCH DROP			V		
HC DEPTH		0.988	0.916	0.711	1.145
HC TYPE		Type D	Type D	Type D	Type V
HC IL		IL 13.046	IL 13.096	IL 13.338	IL 13.953
HC LOT No.		Lot 114	Lot 115	Lot 119	Lot 130
HC CHAINAGE		10.125x	25.742x	95.089x	122.807x
MAINTENANCE HOLE TYPES:	(SEQ-SEW-1101-2) P1-P3=PRE-CAST CONCRETE A=1000Ø CONCRETE B=1200Ø CONCRETE C=1500Ø CONCRETE MAINTENANCE SHAFTS: (SEQ-SEW-1314-1) G=Ø225 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 5. HC TYPES INTO MANHOLES NOMINATED AS PER MANHOLE DROP TYPES * DEPTHS SHOWN ARE OVER SEWER MAIN, DEPTHS AT END OF HC CHECKED TO BE <1.5m				
MAINTENANCE SHAFTS:					
NOTE:					
LOT					
DIAMETER/TYPE	DN150uPVC SN8				
GRADE (1 in X)	167	175	137.82x	99.13x	
LENGTH	1.003	7.323	86.138x	117.564x	
DATUM (m)	-1.0				
BRANCH INVERT LEVEL		10.960			
DEPTH BELOW F.S.L.	3.513	3.486	3.082x	2.744x	1.674x
INVERT LEVEL	10.835	10.862	10.966x	11.579x	12.807x
FINISHED SURFACE LEVEL (F.S.L.)	14.348	11.018	14.048x	14.323x	14.481x
CHAINAGE	0.000	1.003	8.325	95.359	213.800



AS CONSTRUCTED

Registered Engineer	12732
Date	Register
ENGINEERING CERTIFICATION	
No.	Amendments
Drawn	Design
Design	Check
Appd	Date



MH/MS No.	3-17	H1.18	H2.18	1-18	2-18
MH/MS TYPE/DROP	S1050 V	BEND TP Dr 0.000	BEND TP Dr 0.000	S1050 V	S1050 V
MH/MS COVER TYPE	B			D	D
BRANCH LINE No.					
BRANCH DROP					
HC DEPTH					
HC TYPE					
HC IL					
HC LOT No.					
HC CHAINAGE					
MAINTENANCE HOLE TYPES:	(SEQ-SEW-1101-2) P1-P3=PRE-CAST CONCRETE A=1000Ø CONCRETE B=1200Ø CONCRETE C=1500Ø CONCRETE MAINTENANCE SHAFTS: (SEQ-SEW-1314-1) G=Ø225 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 5. HC TYPES INTO MANHOLES NOMINATED AS PER MANHOLE DROP TYPES * DEPTHS SHOWN ARE OVER SEWER MAIN, DEPTHS AT END OF HC CHECKED TO BE <1.5m				
MAINTENANCE SHAFTS:					
NOTE:					
LOT					
DIAMETER/TYPE	DN150uPVC SN8				
GRADE (1 in X)					
LENGTH					
DATUM (m)	-1.0				
BRANCH INVERT LEVEL					
DEPTH BELOW F.S.L.	3.094x	3.082x	3.420x	1.710x	1.001x
INVERT LEVEL	10.954x	10.966x	10.999x	11.919x	12.813x
FINISHED SURFACE LEVEL (F.S.L.)	14.048x	14.040x	14.040x	13.639x	13.814x
CHAINAGE	0.000	3.000	5.356	94.309	181.809

LINE 18

LINE 22 SWD 375mm IL 12.053

DESIGN SURFACE

OPEN SPACE

LEVEL UP SURVEYING PTY LTD (ABN 74 682 454 717), 7/53 DAGMAR 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 Signature [Signature]
Registration No. 7430 Date 23/09/25

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



NOTE:-
THIS AS CONSTRUCTED CERTIFICATION IS RELEVANT TO STAGE 15A AND STAGE 15C ONLY.

Client	URBEX PTY LTD	Datum	AHD
Project	THE RESERVE - STAGE 15A AND 15C	PSM	200645
Title	SEWER RETICULATION LONGITUDINAL SECTIONS	RL	14.410
		(MGA) COORD	
		Project No.	B00393-CS603
		Drawing No.	
		Rev	0