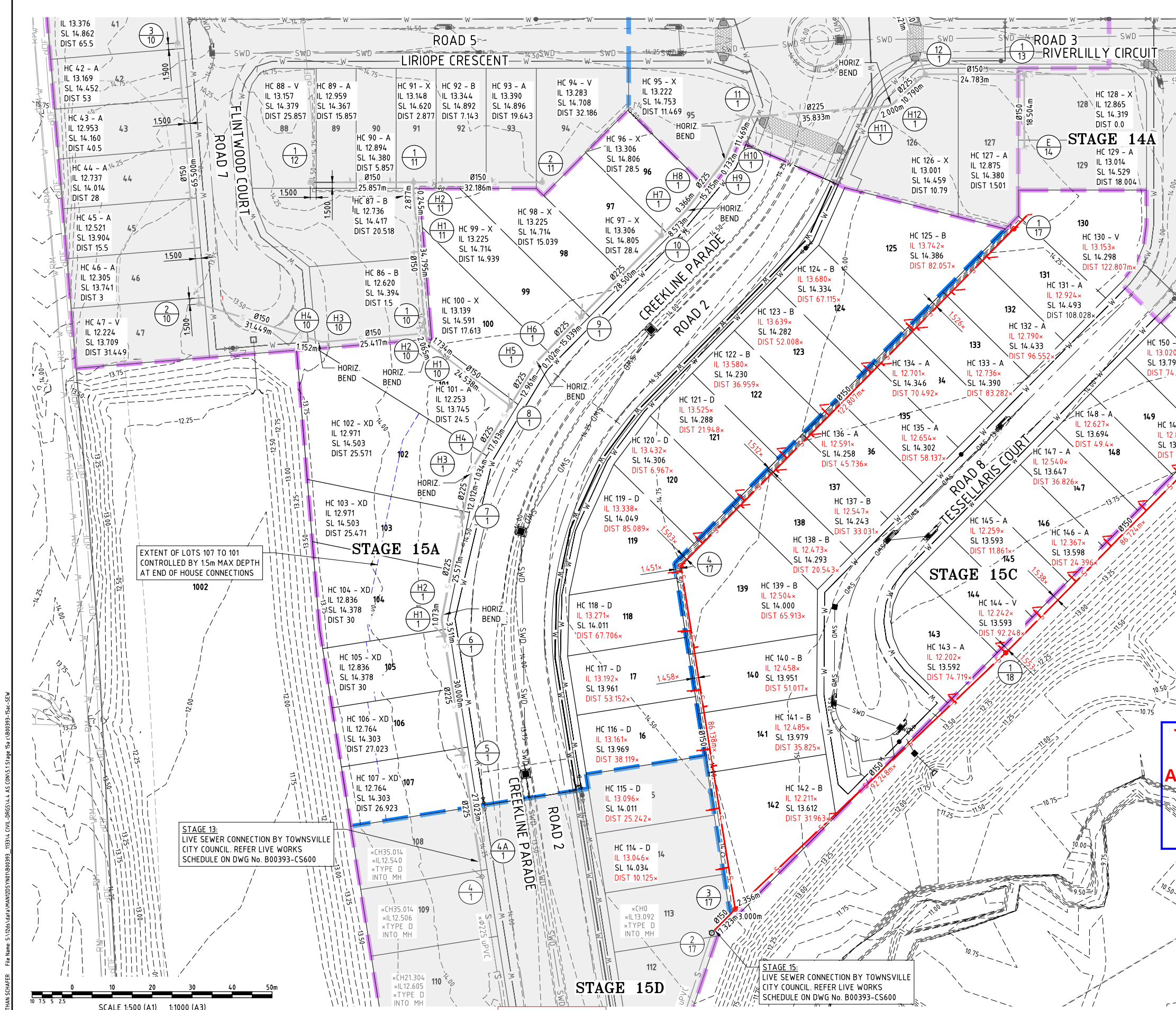




- LEGEND**
- STAGE BOUNDARY
 - SUBSTAGE BOUNDARY
 - LOT BOUNDARY
 - BARRIER TYPE KERB AND CHANNEL
 - MOUNTABLE TYPE KERB AND CHANNEL
 - SEWERAGE RETICULATION
 - EXISTING SEWER RETICULATION
 - MAINTENANCE HOLE
 - STORMWATER DRAINAGE
 - WATER RETICULATION
 - TRUNK WATER RETICULATION BY OTHERS NOT PART OF SUBDIVISION WORKS

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

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 (*) herein as they have been constructed for subdivision.

Brad Costello
Name: 7430
Registration No. 23/09/25
Signature: [Signature]
Date: 23/09/25

Townsville City Council
Accepted As Constructed
OPW21/0024
29/09/2025

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

0	AS CONSTRUCTED	LS	LW	CH	CH	09/09/25	ENGINEERING CERTIFICATION
No.	Amendments	Drawn	Design	Design	Chk	Appd	Date
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

Registered Engineer 12732
Date 25/9/2025
Register

THE Reserve
From the developers of Kalynda Chase

EMPOWER

Client	URBEX PTY LTD	Datum	AHD
Project	THE RESERVE - STAGE 15A AND 15C	PSM	200645
Title	SEWER RETICULATION LAYOUT SHEET 1 OF 2	RL	14.410
		(MGA) COORD	
		AS CONSTRUCTED	
		Project No.	B00393-CS601
		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
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 04.6	IL 13 09.6	IL 13 33.8	IL 13 95.3
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:

- FOR MANHOLE DROP TYPES REFER SEQ-SEW-1303-1 (INTERNAL DROPS ONLY)
- FOR COVER TYPES REFER SEQ-SEW-1308-1 (DIMENSION H TO BE 150mm FOR NEW SUBDIVISIONS)
- IN-LINE BENDS REFER SEQ-SEW-1314-3
- FOR HC TYPES AND DROPS REFER SEQ-SEW-1104-1 & SEQ-SEW-1105-1
- 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

(CTM CODE DRAWING LIST NOTES SPECIFIC TO TCC)

LEGEND

× ALLOTMENT CONTROL LEVEL

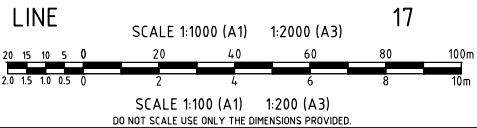
△ HOUSE CONNECTION

Bolt BOLT DOWN COVER

PIPE EMBEDMENT TYPE 3
(UNLESS GEOTECH CONDITIONS REQUIRE OTHERWISE)

PROPERTY DESCRIPTION

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	1.671x
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
25/9/2025 12732

Date Register

ENGINEERING CERTIFICATION

No. Amendments

Drawn Design Design Chk Appd Date



LINE 18

DIAMETER/TYPE	DN150uPVC SN8				
GRADE (1 in X)	96.81x	97.88x			
LENGTH	92.246x	86.724x			
DATUM (m)	-1.0				
BRANCH INVERT LEVEL					
DEPTH BELOW F.S.L.	3.094x	3.082x	3.420x	3.420x	1.001x
INVERT LEVEL	10.954x	10.966x	10.990x	10.990x	12.813x
FINISHED SURFACE LEVEL (F.S.L.)	14.048x	14.048x	14.048x	14.048x	14.481x
CHAINAGE	0.000	3.000	5.356	94.309	181.809

STAGE 15C CONSTRUCTION COMPLETE

DESIGN SURFACE

LINE 22 SWD 375mm IL 12.053

OPEN SPACE

LEVEL UP SURVEYING PTY LTD (ABN 74 682 454 717), 7/53 DAGMAR ROAD, COOLUMB 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

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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**

Project **THE RESERVE - STAGE 15A AND 15C**

Title **SEWER RETICULATION LONGITUDINAL SECTIONS**

Datum **AHD PSM 200645 RL 14.410 (MGA) COORD**

AS CONSTRUCTED

Project No. **B00393-CS603** Drawing No. **0** Rev **0**