



**LEGEND:**

- AS BUILT STORMWATER
- - - EXISTING STORMWATER
- AS BUILT STORMWATER CONNECTION
- - - AS BUILT SUPPLEAD
- AS BUILT MANHOLE
- EXISTING MANHOLE
- AS BUILT RODDING EYE
- AS BUILT SUMP
- AS BUILT HEADWALL
- EXISTING HEADWALL
- FLOW DIRECTION
- - - AS BUILT SUBSOIL DRAINAGE
- ← NANAKO STREAM
- - - AS BUILT SWALE
- - - ABOVE GROUND NOVACOILS
- RIPRAP

**NOTES:**

1. LEVELS ARE IN TERMS OF THE MOTURIKI DATUM.
2. COORDINATES ARE IN TERMS OF BAY OF PLENTY 2000 CIRCUIT.
3. ORIGIN OF LEVELS TCC BENCHMARK BM 1343 RL 57.59m.
4. METHOD OF SURVEY: GPS
5. ALL WORKS WERE CARRIED OUT TO TCC IDC 2011 STANDARDS.
6. ALL STORMWATER AND WASTEWATER CONNECTIONS ARE 100mm NB uPVC, UNLESS UNDER CARRIAGEWAY WHERE 150mm NB uPVC ARE USED.
7. SUMP LEADS ARE 300mm NB uPVC UNLESS OTHERWISE SHOWN, EXCEPT FOR R.O.W SUMP LEADS WHICH ARE 150mm NB uPVC.
8. ALL MANHOLES ARE 1050mm DIA UNLESS OTHERWISE SHOWN.
9. ALL STORMWATER PIPES ARE RCRRJ PIPES UNLESS OTHERWISE STATED.
10. ALL CONCRETE PIPES ARE CLASS 2 UNLESS OTHERWISE STATED.
11. ALL DEEP DRAINAGE CONNECTIONS ARE RAMPED UP TO WITHIN 1.5m OF SURFACE.
12. ALL SUBSOILS ARE 100mm Ø UNLESS SHOWN OTHERWISE
13. SUMPS WITHIN RIGHTS OF WAY ARE 450x450 SUMPS.
14. SWRE REFERS TO A STANDARD RODDING EYE.
15. ALL BURIED AS BUILT INFORMATION SUPPLIED BY HIGGINS CONTRACTORS LTD.
16. HP REFERS TO HIGH CAPACITY SUMPS (HUSH PITS).
17. SWALES FORMED WITH 'GRASSROOTS' MATTING

ORIGINATOR:	TCH	DATE:	22.12.17	SIGNED:		PLLOT BY:	TRS
DRAWN:	PSJ	DATE:	22.12.17	SIGNED:		PLLOT DATE:	18.01.18
CHECKED:	TCH	DATE:	18.01.18	SIGNED:		SURVEY BY:	
APPROVED:	GPR	DATE:	18.01.18	SIGNED:		SURVEY DATE:	
BY	DATE	GPR	18.01.18				

ASSOCIATION OF CONSULTING ENGINEERS NEW ZEALAND

ISO 9001 QUALITY ASSURED

**HG**

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PROJECT:

**Summit**  
THE LAKES (2012) LIMITED

TITLE:

STAGE 3I  
STORMWATER RETICULATION AS BUILT PLAN  
SHEET 1  
TCC IP 101782

ISSUE STATUS:	FINAL AS BUILT
PROJECT No:	1520-139618-01
SCALES:	1:500 - A1 1:1000 - A3
DRAWING No:	139618-AB101
REV	B