



NOTES

- ORIGIN OF LEVELS FOR SURVEY: TCC BM 1018 (BP12 DP400022) RL=9.33 MOTURIKI DATUM.
- S= SINGLE SUMP
DS= DOUBLE SUMP
- ALL 100mm ϕ & 150mm ϕ PIPEWORK IS RRJuPVC (SN16) PIPE.
- ALL STORMWATER MAIN 225mm ϕ AND OVER ARE RCRRJ (CLASS X) PIPE.
- ALL SINGLE SUMP LEADS ARE 225mm ϕ HUMES BOSSPIPE (SN16 PIPE UNLESS SHOWN OTHERWISE)
- ALL DOUBLE SUMP LEADS ARE 300mm ϕ HUMES BOSSPIPE (SN16) PIPE UNLESS SHOWN OTHERWISE
- PLEASE REFER TO ELECTRONIC ASBUILTS FOR FURTHER INFORMATION.
- COORDINATES ARE IN TERMS OF NZTM DATUM.

LEGEND

- S SUMP
- DS DOUBLE SUMP
- MANHOLE
- EXISTING MANHOLE
- STORMWATER LINE
- EXISTING STORMWATER LINE



STORMWATER LOT CONNECTIONS					
Lot	mN	mE	RL	Dia	Depth
736	5817384.40	1873849.40	9.30	100	1.2
737	5817373.57	1873835.50	9.78	100	1.5
738	5817358.68	1873814.99	10.44	100	1.4
741	5817369.25	1873792.05	11.25	100	1.7
742	5817355.51	1873770.28	11.25	100	1.7
743	5817346.26	1873756.51	11.51	100	1.2
744	5817330.97	1873733.10	12.56	100	1.4
745	5817326.41	1873726.87	12.76	100	1.5
746	5817311.91	1873709.49	13.13	100	1.5
747	5817291.66	1873689.18	13.95	100	1.5
748	5817286.46	1873683.72	13.71	100	1.5
749	5817276.80	1873673.47	14.28	100	1.6

HARRISON GRIERSON
 CONSULTING ENGINEERS SURVEYORS PLANNERS
 141 Cameron Road Tauranga Ph 07 578 0023 Fax 07 577 9557

B	EXISTING CONNECTIONS ADDED	MPD	08.06.12
A	ASBUILT ISSUE	RCH	27.07.12
REF	AMENDMENT	BY	DATE

PROJECT:
**THE LAKES (2012) LTD
 TAURANGA**

TITLE:
**STAGE 2G
 STORMWATER
 ASBUILTS**

DESIGNED:	DATE:	SIGNATURE:	PLOT DATE:
RCH	16.07.12		06.08.12
DRAWN:	DATE:	SIGNATURE:	CAD REF:
CXL	16.07.12		MPD
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
MPD	27.07.12		RCH
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
MPD	27.07.12		
			SDR REF:

PLOT STATUS: **ASBUILT**

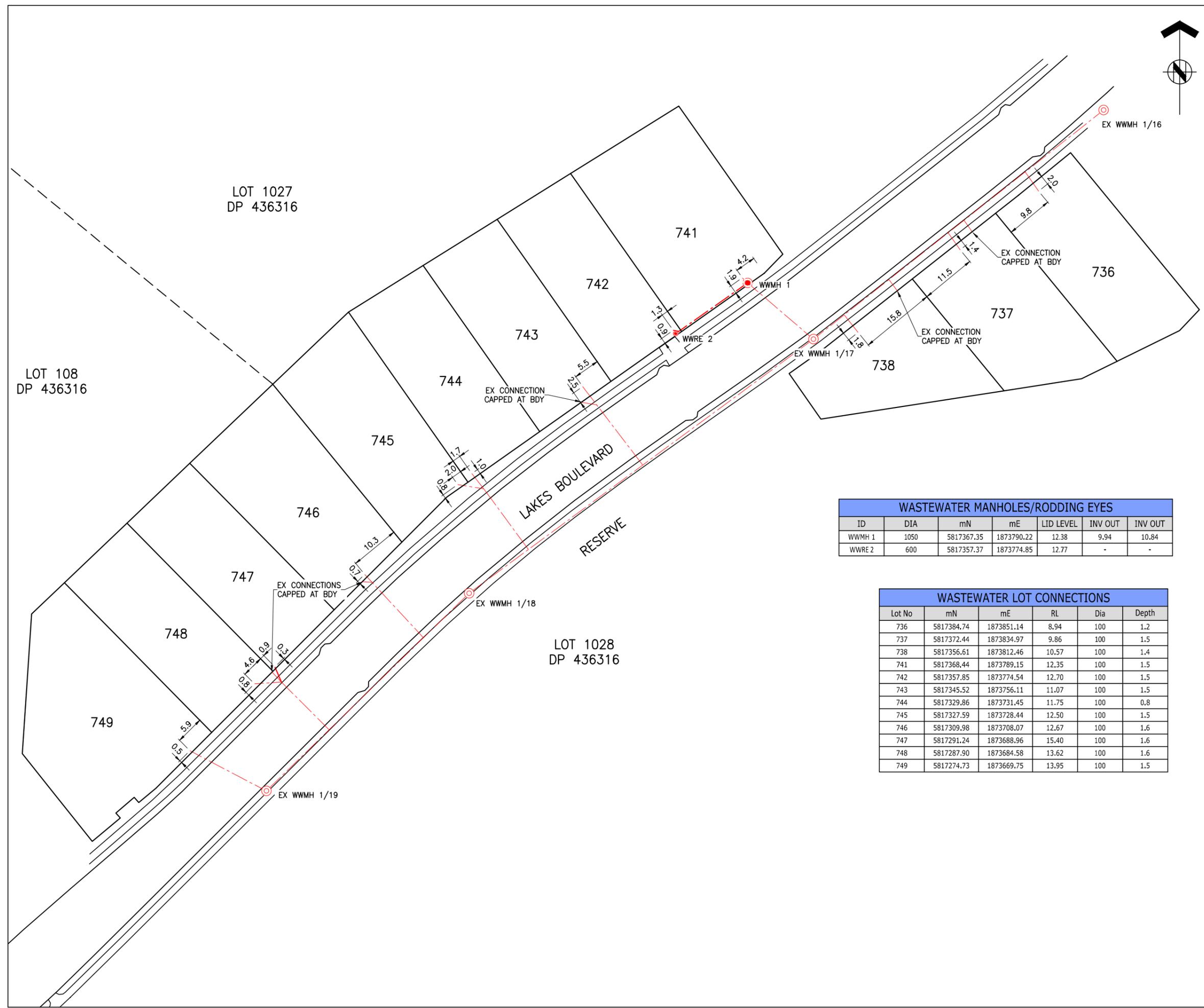
PROJECT No:	SCALES:	A1
1520-132737-01	1:375 - A1 1:750 - A3	
DRAWING No:		REV
132737-2G-AB100		B

NOTES

- ORIGIN OF LEVELS FOR SURVEY: TCC BM 1018 (BP12 DP400022) RL=9.33 MOTURIKI DATUM.
- ALL SANITARY SEWER MAINS ARE 150mm ϕ RRJuPVC (SN16) PIPE UNLESS SHOWN OTHERWISE.
- ALL LOT CONNECTIONS ARE 150mm ϕ RRJuPVC (SSN16) PIPE UNDER ROADS UNLESS SHOWN OTHERWISE.
- ALL 100mm ϕ PIPE IS RRJuPVC (SN16) PIPE UNLESS SHOWN OTHERWISE.
- PLEASE REFER TO ELECTRONIC ASBUILTS FOR FURTHER INFORMATION.
- COORDINATES ARE IN TERMS OF NZTM DATUM.

LEGEND

- BLANK CAP
- EXISTING MANHOLE
- MANHOLE
- EXISTING WASTEWATER
- WASTEWATER



WASTEWATER MANHOLES/RODDING EYES						
ID	DIA	mN	mE	LID LEVEL	INV OUT	INV OUT
WWMH 1	1050	5817367.35	1873790.22	12.38	9.94	10.84
WWRE 2	600	5817357.37	1873774.85	12.77	-	-

WASTEWATER LOT CONNECTIONS					
Lot No	mN	mE	RL	Dia	Depth
736	5817384.74	1873851.14	8.94	100	1.2
737	5817372.44	1873834.97	9.86	100	1.5
738	5817356.61	1873812.46	10.57	100	1.4
741	5817368.44	1873789.15	12.35	100	1.5
742	5817357.85	1873774.54	12.70	100	1.5
743	5817345.52	1873756.11	11.07	100	1.5
744	5817329.86	1873731.45	11.75	100	0.8
745	5817327.59	1873728.44	12.50	100	1.5
746	5817309.98	1873708.07	12.67	100	1.6
747	5817291.24	1873688.96	15.40	100	1.6
748	5817287.90	1873684.58	13.62	100	1.6
749	5817274.73	1873669.75	13.95	100	1.5

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B	EXISTING CONNECTIONS ADDED	MPD	06.08.12
A	ASBUILT ISSUE	RCH	27.07.12
REF	AMENDMENT	BY	DATE

PROJECT:
**THE LAKES (2012) LTD
 TAURANGA**

TITLE:
**STAGE 2G
 WASTEWATER
 ASBUILTS**

DESIGNED:	DATE:	SIGNATURE:	PLOT DATE:
RCH	16.07.12		06.08.12
DRAWN:	DATE:	SIGNATURE:	CAD REF:
CXL	16.07.12		MPD
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
MPD	27.07.12		RCH
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
MPD	27.07.12		
			SDR REF:

PLOT STATUS: **ASBUILT**

PROJECT No:	SCALES:	A1
1520-132737-01	1:375 - A1 1:750 - A3	
DRAWING No:		REV
132737-2G-AB200		B



- NOTES:**
- ORIGIN OF LEVELS FOR SURVEY: TCC BM 1018 (BP12 DP400022) RL=9.33 MOTURIKI DATUM.
 - ALL 50mmØ RIDERMAINS ARE MDPE PN12.
 - ALL LOTS HAVE INDIVIDUAL WATER METERS INSTALLED COMPLETE WITH BACKFLOW PREVENTION MANIFOLDS.
 - ALL LOT CONNECTIONS ARE 20mmØ HDPE PIPE.
 - PLEASE REFER TO ELECTRONIC AS BUILTS FOR FURTHER INFORMATION.

LEGEND

	WATER
	WATER METER
	GATE VALVE
	SLUICE VALVE
	FIRE HYDRANT

HARRISON GRIERSON

CONSULTING ENGINEERS SURVEYORS PLANNERS

141 Cameron Road Tauranga Ph 07 578 0023 Fax 07 577 9557

A	ASBUILT ISSUE	RCH	27.07.12
REF	AMENDMENT	BY	DATE

PROJECT:

THE LAKES (2012) LTD
TAURANGA

TITLE:

STAGE 2G
WATER SUPPLY
ASBUILTS

DESIGNED:	DATE:	SIGNATURE:	PLOT DATE:
RCH	16.07.12		31.07.12
DRAWN:	DATE:	SIGNATURE:	CAD REF:
CXL	16.07.12		MPD
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
MPD	27.07.12		RCH
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
MPD	27.07.12		
			SDR REF:

PLOT STATUS: ASBUILT

PROJECT No:	SCALES:	A1
1250-132737-01	1:375 - A1 1:750 - A3	
DRAWING No:		REV
132737-2G-AB300		A

WATER METER SCHEDULE							
LOT NO.	SERIAL NO.	mN	mE	RL	FRONT	SIDE	INITIAL READING
736	07M1522448	5817380.47	1873842.55	11.24	0.3	0.5	5.833
741	11M1540436	5817357.87	1873776.87	12.7	0.3	0.7	0.131
742	08M1526140	5817348.01	1873761.80	13.2	0.4	0.4	0.161
743	07M1522369	5817337.70	1873746.37	9.63	06	0.2	42.33
744	07M1518242	5817337.38	1873745.84	9.63	0.6	0.4	326.94
745	07M1522367	5817316.02	1873716.72	9.82	0.4	0.2	0.137
746	07M1522368	5817315.74	1873716.40	9.70	0.4	0.3	30.354
747	07M1522372	5817301.84	1873701.58	9.70	0.5	0.6	4.057

NOTES

1. ORIGIN OF LEVELS FOR SURVEY: TCC BM 1018 (BP12 DP400022) RL=9.33 MOTURIKI DATUM.
2. PLANTED GARDENS IN FRONT OF LOTS 736-738 ARE AS PER 2010 AS-BUILTS. (NO CHANGE)
3. ALL STREETLIGHTS SHOWN ARE EXISTING AS PER 2010 AS-BUILTS.

LEGEND

-  STREET LIGHT
-  NEW TREE (CALLERY PEAR)
-  EXISTING TREE (CALLERY PEAR)
-  GARDENS



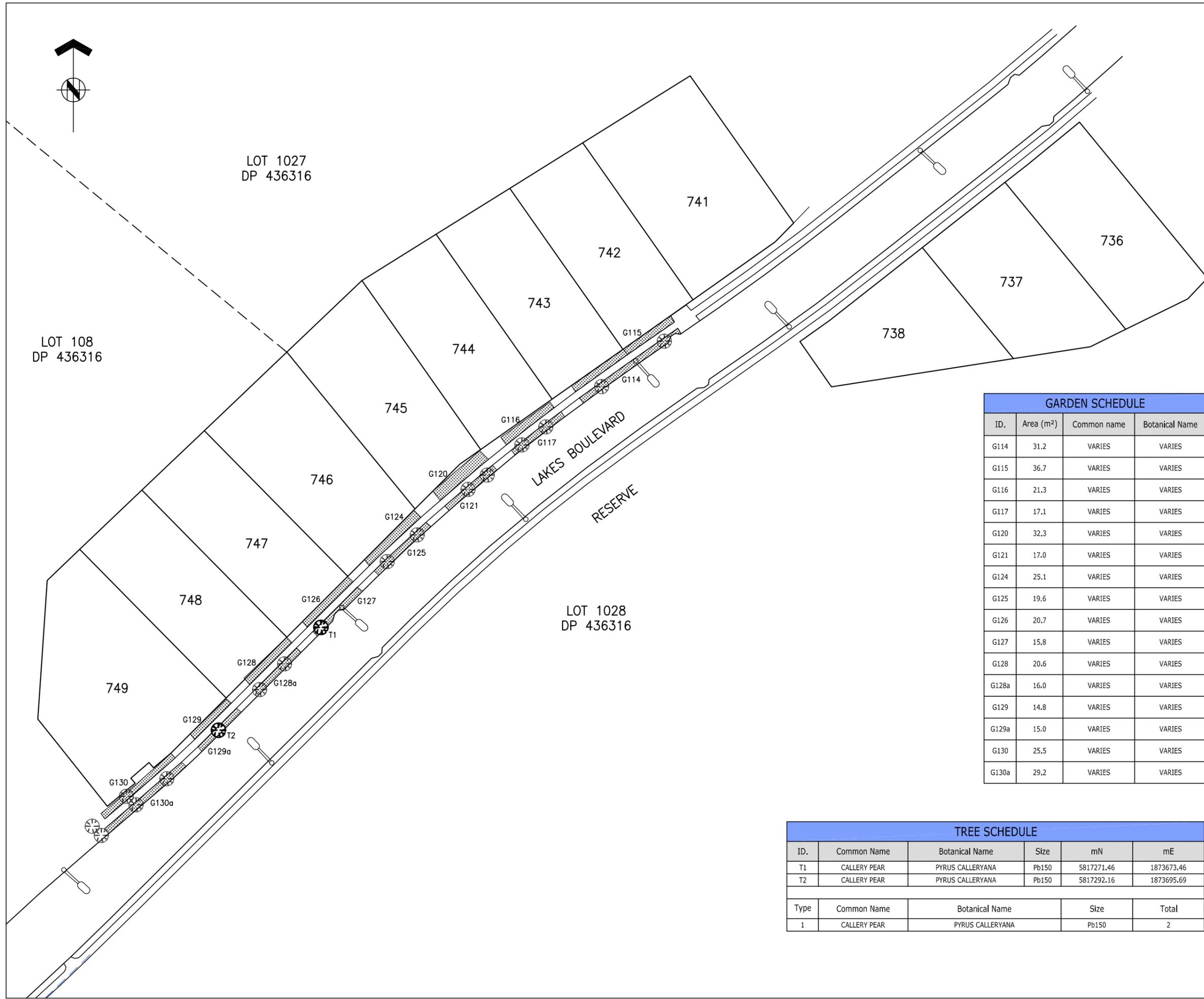
A	ASBUILT ISSUE	RCH	27.07.12
REF	AMENDMENT	BY	DATE

PROJECT:
THE LAKES (2012) LTD
TAURANGA

TITLE:
STAGE 2G
STREETSCAPE AND TRANSPORTATION
ASBUILT

DESIGNED:	DATE:	SIGNATURE:	PLOT DATE:
RCH	16.07.12		27.07.12
DRAWN:	DATE:	SIGNATURE:	CAD REF:
CXL	16.07.12		RJM
CHECKED:	DATE:	SIGNATURE:	CAD XREF:
MPD	27.07.12		RCH
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
MPD	27.07.12		
PLOT STATUS:			ASBUILT

PROJECT No:	1520-132737-01	SCALES:	1:375 (A1) 1:750 (A3)	A1
DRAWING No:	132737-2G-AB400			REV A



GARDEN SCHEDULE

ID.	Area (m ²)	Common name	Botanical Name
G114	31.2	VARIES	VARIES
G115	36.7	VARIES	VARIES
G116	21.3	VARIES	VARIES
G117	17.1	VARIES	VARIES
G120	32.3	VARIES	VARIES
G121	17.0	VARIES	VARIES
G124	25.1	VARIES	VARIES
G125	19.6	VARIES	VARIES
G126	20.7	VARIES	VARIES
G127	15.8	VARIES	VARIES
G128	20.6	VARIES	VARIES
G128a	16.0	VARIES	VARIES
G129	14.8	VARIES	VARIES
G129a	15.0	VARIES	VARIES
G130	25.5	VARIES	VARIES
G130a	29.2	VARIES	VARIES

TREE SCHEDULE

ID.	Common Name	Botanical Name	Size	mN	mE
T1	CALLERY PEAR	PYRUS CALLERYANA	Pb150	5817271.46	1873673.46
T2	CALLERY PEAR	PYRUS CALLERYANA	Pb150	5817292.16	1873695.69
Type	Common Name	Botanical Name	Size	Total	
1	CALLERY PEAR	PYRUS CALLERYANA	Pb150	2	