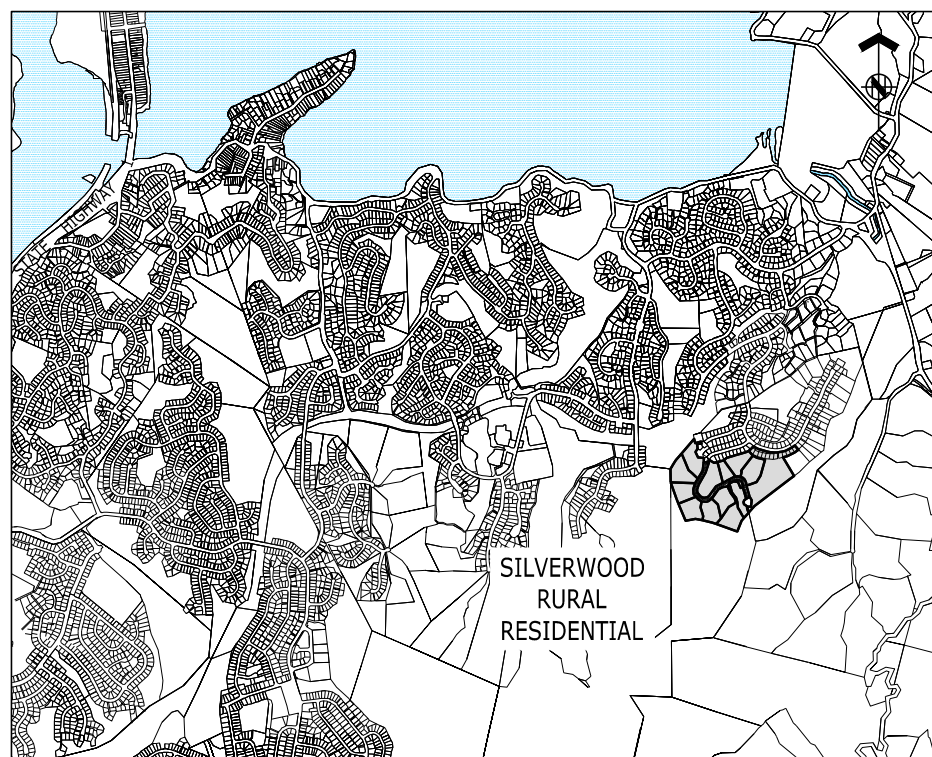


CARRUS LIMITED

SILVERWOOD BLOCK - PORIRUA

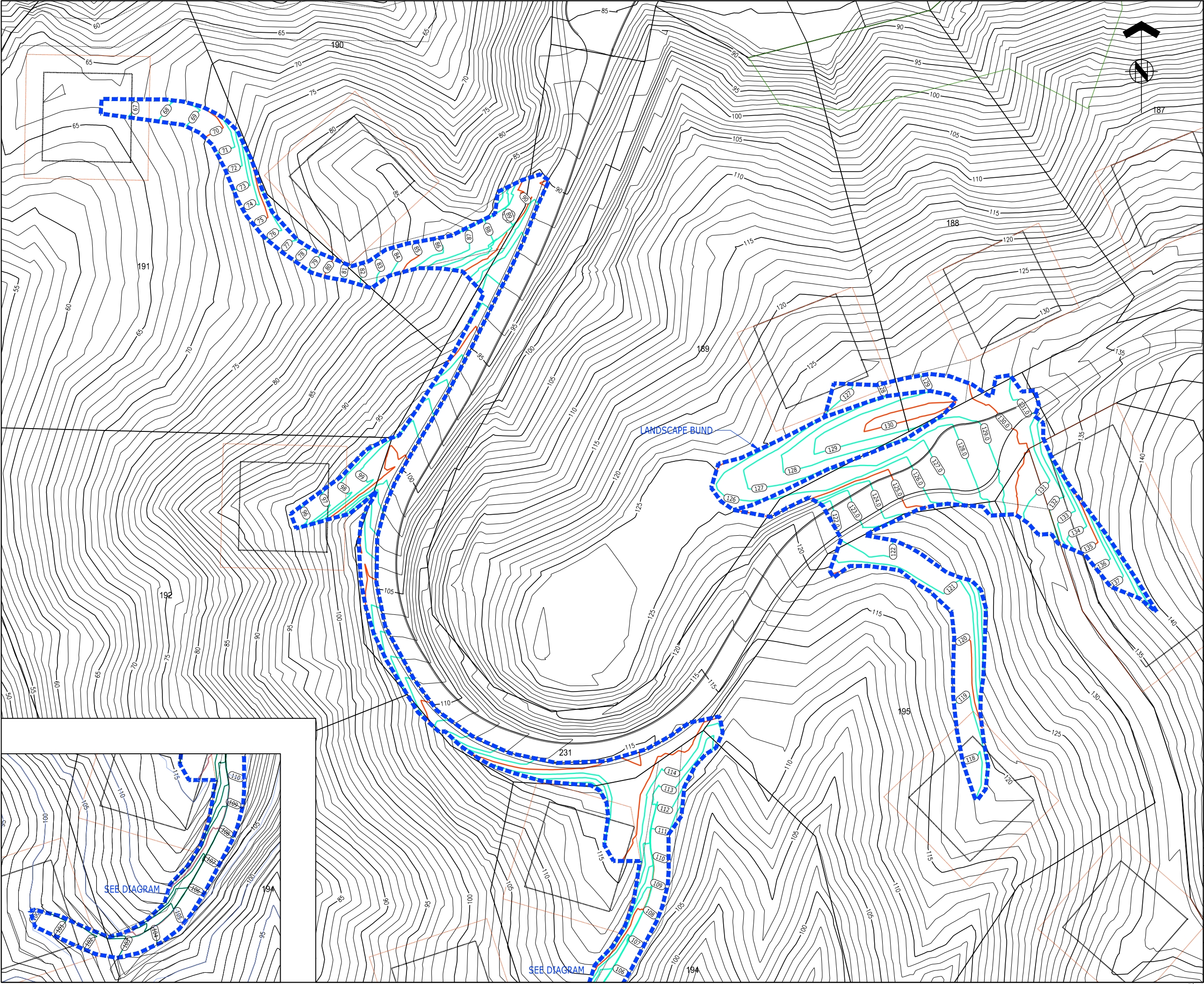
RURAL RESIDENTIAL AS-BUILT PLANS



LOCALITY PLAN
SCALE: 1:20 000 - A1

DRAWING INDEX

124534-AB100	OVERALL PLAN
124534-AB200	EARTHWORKS AS-BUILT CONTOURS SHEET 1 OF 2
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124534-AB220	EARTHWORKS AS-BUILT CUT/FILL CONTOURS SHEET 1 OF 2
124534-AB221	EARTHWORKS AS-BUILT CUT/FILL CONTOURS SHEET 2 OF 2
124534-AB300	ROADING AND STREETLIGHTING AS-BUILT PLAN SHEET 1 OF 2
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NOTES:
1. LOT LAYOUT IS INDICATIVE ONLY, SUBJECT TO FINAL LAND
TRANSFER SURVEY.
2. CONTOURS ARE SHOWN AT 1 METRE INTERVALS.

LEGEND:

 INDICATES EARTHWORKS EXTENTS.

 INDICATES AS-BUILT SUBGRADE CONTOURS.

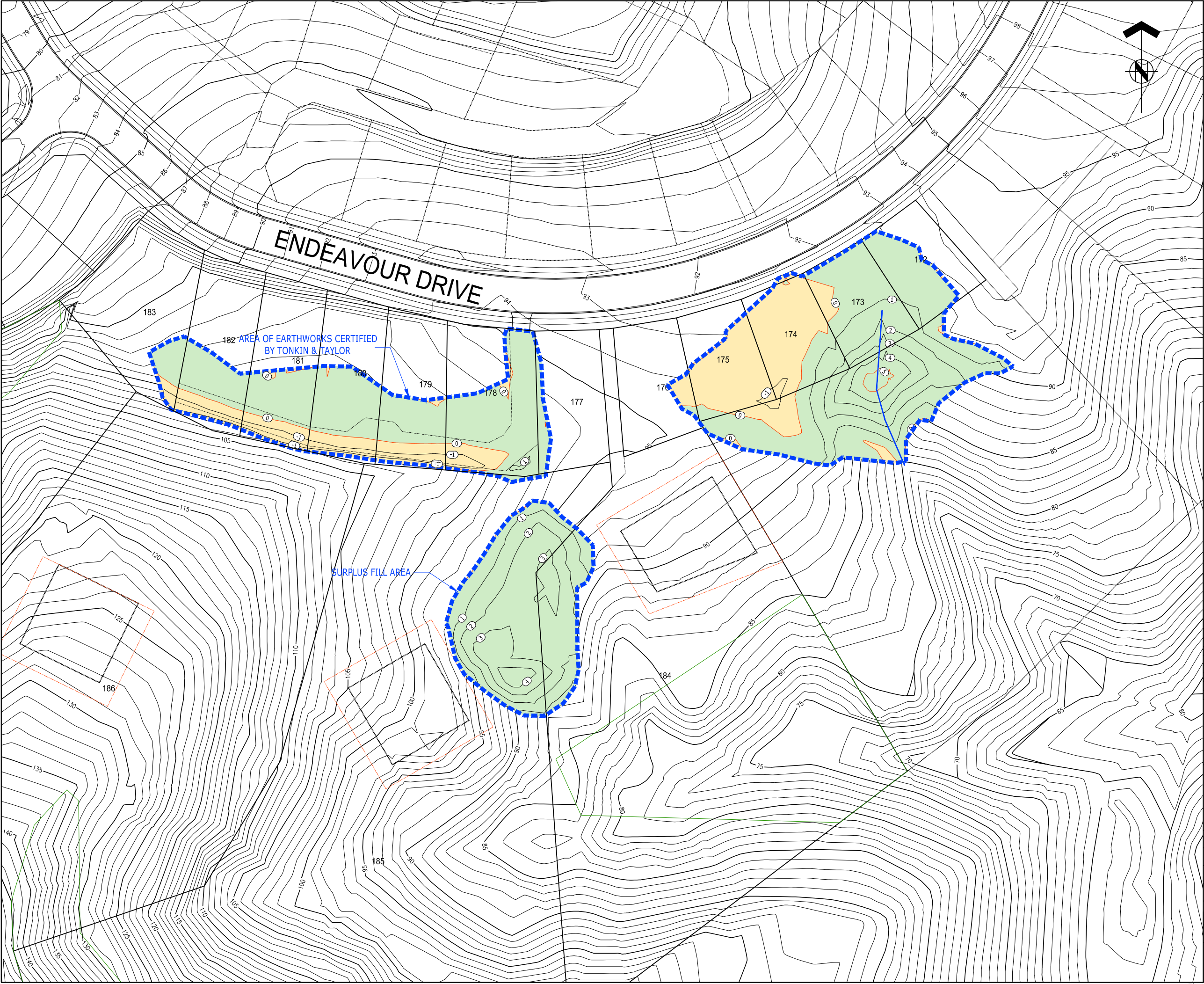
 INDICATES ORIGINAL CONTOURS.



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A	AS-BUILT	AMB	15.05.12
REF	REVISIONS	BY	DATE
PROJECT:			
SILVERWOOD JOINT VENTURE SILVERWOOD BLOCK - PORIRUA RURAL RESIDENTIAL			
TITLE: EARTHWORKS AS-BUILT CONTOURS SHEET 2 OF 2			
ORIGINATOR:	DATE:	SIGNED:	PLOT BY: SMB
DRAWN: PWJ	DATE: 15.05.12	SIGNED:	PLOT DATE: 01.06.12
CHECKED: AMB	DATE: 15.05.12	SIGNED:	SURVEY BY: GMB
APPROVED: AMB	DATE: 15.05.12	SIGNED:	SURVEY DATE: 11.2011
ISSUE STATUS:			
AS-BUILT			
PROJECT No: 1850-124534-04	SCALES: 1:500 - A1 1:1000 - A3	A1	
DRAWING No:	124534-AB201		REV A

File: WELLINGTON N:\1850\124534_A\CAD\ASBUILT PLANS\124534-AB200.DWG






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NOTES:
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TRANSFER SURVEY.
2. CONTOURS ARE SHOWN AT 1 METRE INTERVALS.
3. SURPLUS FILL IS NON-ENGINEERED FILL DETAILED IN THE
FOUNDATION COMPLETION REPORT.

LEGEND:

 INDICATES EARTHWORKS EXTENTS.

 INDICATES CUT AREAS.

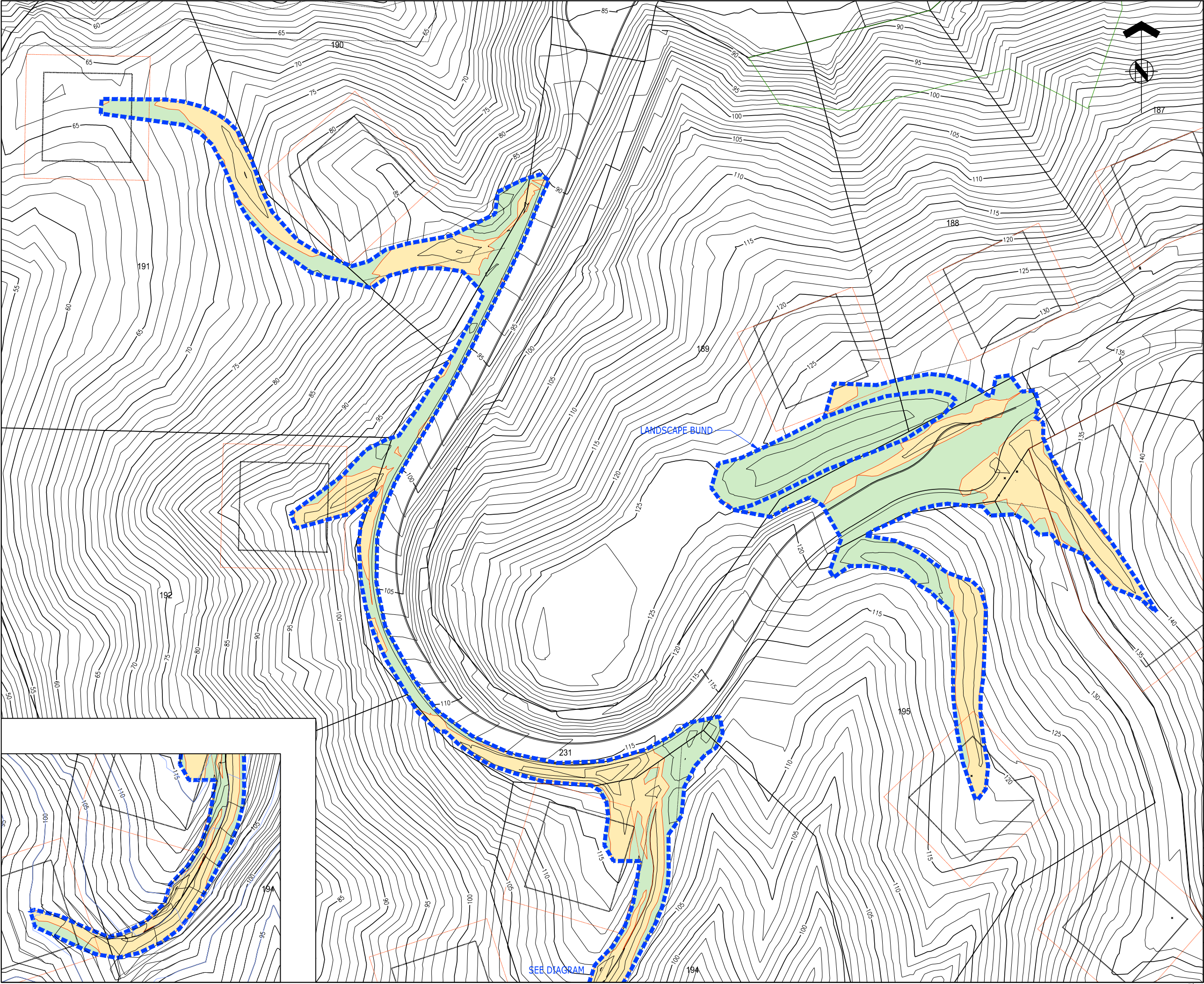
 INDICATES FILL AREAS.


 INDICATES SUBSOIL DRAIN
(150 DIA NOVACOIL)



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A	AS-BUILT	AMB	15.05.12
REF	REVISIONS	BY	DATE
PROJECT:			
SILVERWOOD JOINT VENTURE SILVERWOOD BLOCK - PORIRUA RURAL RESIDENTIAL			
TITLE:			
EARTHWORKS AS-BUILT CUT/FILL CONTOURS SHEET 1 OF 2			
ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
DRAWN:	DATE:	SIGNED:	PLOT DATE:
CHECKED:	DATE:	SIGNED:	SURVEY BY:
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
ISSUE STATUS:			
AS-BUILT			
PROJECT No:	1850-124534-04	SCALES:	1:500 - A1 1:1000 - A3
DRAWING No:	124534-AB220	A1	
			REV
			A






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NOTES:
1. LOT LAYOUT IS INDICATIVE ONLY, SUBJECT TO FINAL LAND
TRANSFER SURVEY.
2. CONTOURS ARE SHOWN AT 1 METRE INTERVALS.
3. SURPLUS FILL IS NON-ENGINEERED FILL DETAILED IN THE
FOUNDATION COMPLETION REPORT.

LEGEND:
- - - - - INDICATES EARTHWORKS EXTENTS.
- - - - - INDICATES CUT AREAS.
- - - - - INDICATES FILL AREAS.
- - - - - INDICATES SUBSOIL DRAINS



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REF	REVISIONS	BY	DATE
A	AS-BUILT	AMB	15.05.12

PROJECT:
**SILVERWOOD JOINT VENTURE
SILVERWOOD BLOCK - PORIRUA
RURAL RESIDENTIAL**

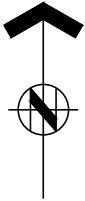
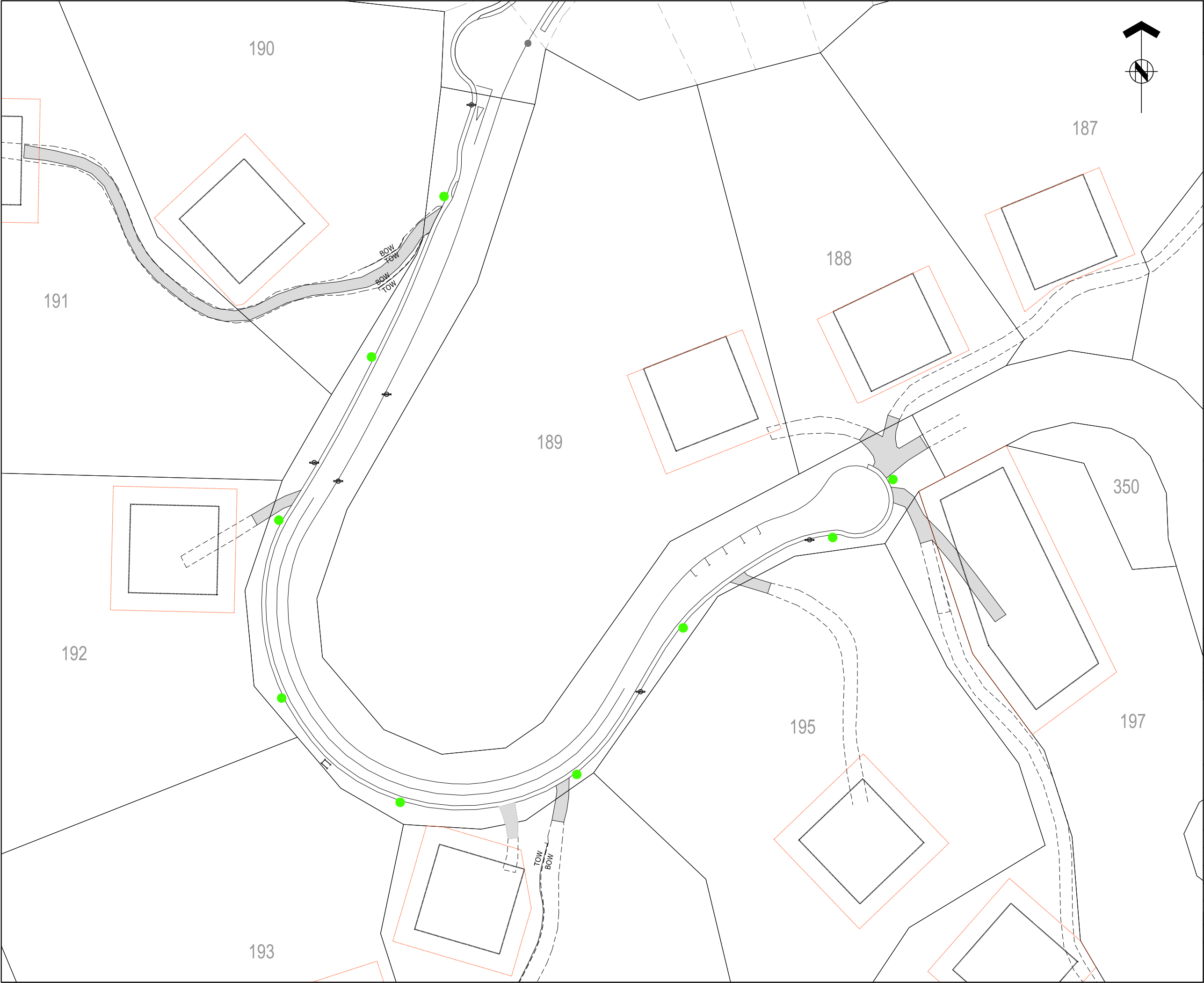
TITLE:
**EARTHWORKS
AS-BUILT CUT/FILL CONTOURS
SHEET 2 OF 2**

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
DRAWN:	DATE:	SIGNED:	PLOT DATE:
CHECKED:	DATE:	SIGNED:	SURVEY BY:
APPROVED:	DATE:	SIGNED:	SURVEY DATE:

ISSUE STATUS:
AS-BUILT


PROJECT No:	SCALES:	A1
DRAWING No:	1:500 - A1 1:1000 - A3	REV A

124534-AB221




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LEGEND



SINGLE LIGHT 7.5m HPS 150W




EXISTING STREETLIGHT

TOW


BOW

TOP OF WALL


BOTTOM OF WALL




SEAL




METAL ACCESS



DESIGNATED BUILDING SITE



DESIGNATED EARTHWORKS LIMIT



ROAD SIGN

- NOTES
1.

ALL LIGHT POLES MANUFACTURED AND SUPPLIED BY KENDELIER LIGHTING.

- DATA SOURCE
1.

THIS PLAN HAS BEEN CARRIED OUT TO TOPOGRAPHICAL STANDARDS. ALL LEVELS SHOWN ARE CORRECT AT TIME OF SURVEY. CRITICAL DIMENSIONS AND LEVELS SHOULD BE VERIFIED.
2.

SERVICES POSITIONS AND ALIGNMENT MAY HAVE BEEN OBTAINED FROM THIRD PARTY RECORDS AND SHOULD BE VERIFIED ON SITE PRIOR TO CONSTRUCTION COMMENCING. HARRISON GRIERSON DOES NOT IN ANY WAY GUARANTEE THE ACCURACY OF ANY UNDERGROUND SERVICE SHOWN ON THIS PLAN.

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GRIERSON

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B	ROAD SIGN LOCATIONS ALTERED	MJH	01.06.12
A	AS-BUILT	AMB	15.05.12
REF	REVISIONS	BY	DATE

PROJECT:

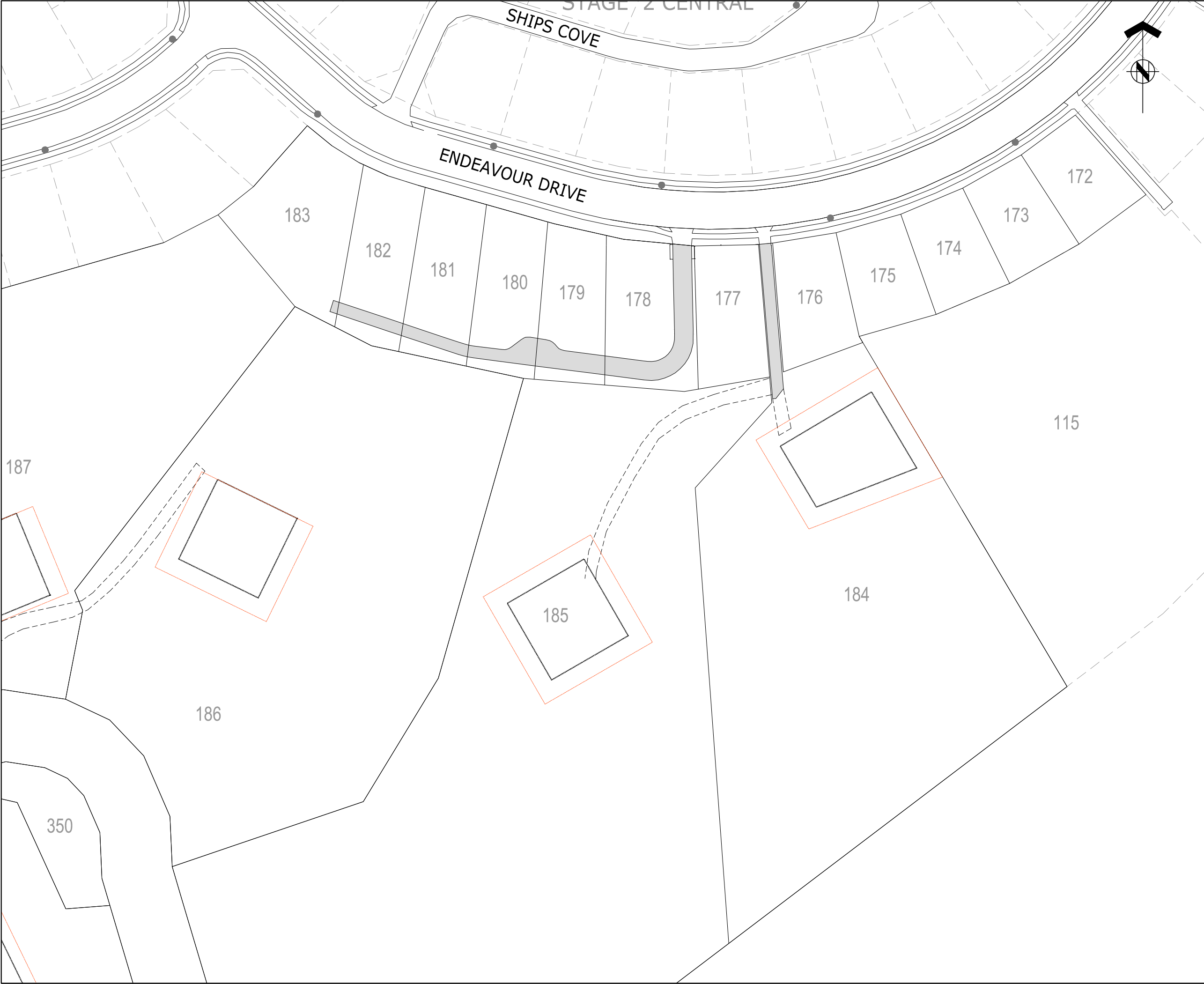
SILVERWOOD JOINT VENTURE
SILVERWOOD BLOCK - PORIRUA
RURAL RESIDENTIAL


TITLE:

ROADING AND STREETLIGHTING
AS-BUILT PLAN
SHEET 1 OF 2

DESIGNED:	DATE:	SIGNED:	PLOT BY:
			SMB
DRAWN:	DATE:	SIGNED:	PLOT DATE:
GMB/SMB	18.11.11		01.06.12
CHECKED:	DATE:	SIGNED:	SURVEY BY:
PWJ/MJH	15.05.12		GMB
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
AMB	15.05.12		11.2011

ISSUE STATUS:			AS-BUILT
PROJECT No:	SCALES:		A1
1850-124534-04	1:500-A1 1:1000-A3		
DRAWING No:			REV
124534-AB300			B







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LEGEND


 SINGLE LIGHT 7.5m HPS 150W


 EXISTING STREETLIGHT


TOW


BOW


 TOP OF WALL


 BOTTOM OF WALL

 SEAL

 METAL ACCESS

 DESIGNATED BUILDING SITE

 DESIGNATED EARTHWORKS LIMIT

 ROAD SIGN


NOTES

1. ALL LIGHT POLES MANUFACTURED AND SUPPLIED
BY KENDELIER LIGHTING.

DATA SOURCE

1. THIS PLAN HAS BEEN CARRIED OUT TO TOPOGRAPHICAL STANDARDS. ALL
LEVELS SHOWN ARE CORRECT AT TIME OF SURVEY. CRITICAL DIMENSIONS
AND LEVELS SHOULD BE VERIFIED.

2. SERVICES POSITIONS AND ALIGNMENT MAY HAVE BEEN OBTAINED FROM
THIRD PARTY RECORDS AND SHOULD BE VERIFIED ON SITE PRIOR TO
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WAY GUARANTEE THE ACCURACY OF ANY UNDERGROUND SERVICE SHOWN
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www.harrisongrierson.com

A	AS-BUILT	AMB	15.05.12
REF	REVISIONS	BY	DATE

PROJECT:

SILVERWOOD JOINT VENTURE
SILVERWOOD BLOCK - PORIRUA
RURAL RESIDENTIAL

TITLE:

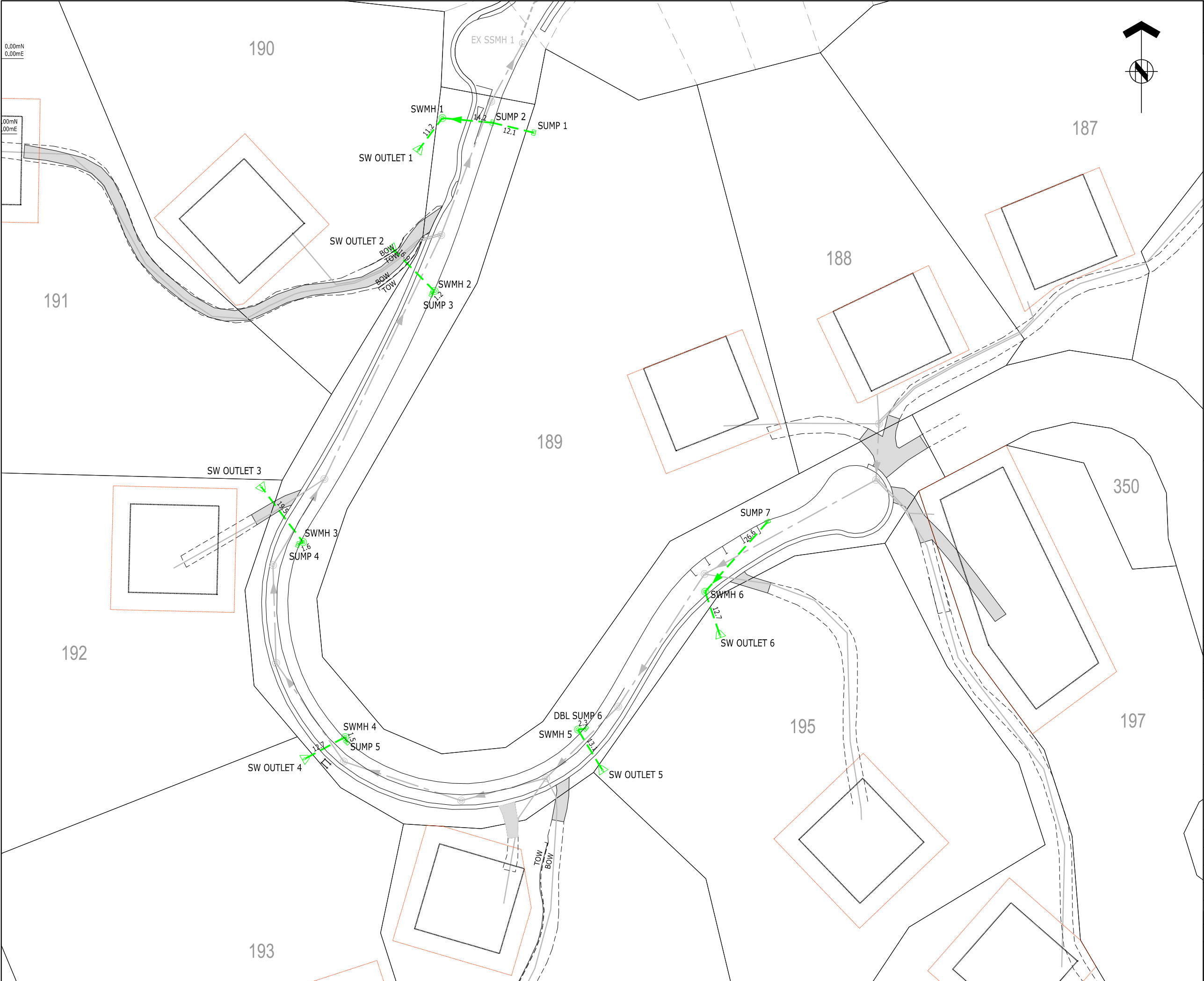
ROADING AND STREETLIGHTING
AS-BUILT PLAN
SHEET 2 OF 2


DESIGNED:	DATE:	SIGNED:	PLOT BY:
			SMB
DRAWN:	DATE:	SIGNED:	PLOT DATE:
GMB/SMB	18.11.11		01.06.12
CHECKED:	DATE:	SIGNED:	SURVEY BY:
PWJ/MJH	15.05.12		GMB
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
AMB	15.05.12		11.2011

ISSUE STATUS:

AS-BUILT

PROJECT No:	SCALES:	A1
1850-124534-04	1:500-A1 1:1000-A3	
DRAWING No:		REV
124534-AB301		A





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NOTES

1. ALL STORMWATER MAINS ARE BOSSPIPE SN8 UNLESS OTHERWISE NOTED.

2. ALL HOUSE CONNECTIONS ARE 100mm DIA uPVC.

3. ALL SINGLE SUMP LEADS ARE 225mm DIA BOSSPIPE.

4. ALL DOUBLE SUMP LEADS ARE 300mm DIA BOSSPIPE.

5. ALL SUMPS HAVE ENVIROPODS INSTALLED.

6. ALL POSITIONS AND LEVELS ARE ACCURATE AS AT TIME OF SURVEY.

7. LEVELS ARE IN TERMS OF MEAN SEA LEVEL.

8. ORIGIN OF LEVELS: NAIL X DP 348624, RL: 51.94m

9. COORDINATES ARE IN TERMS OF NZGD2000 - WELLINGTON CIRCUIT.

10. WORK COMPLETED AS AT APRIL 2011.

11. POSITION OF HOUSE CONNECTIONS BASED ON INFORMATION SUPPLIED BY HIGGINS CONTRACTORS WELLINGTON.


12. ALL DISTANCES SHOWN ARE HORIZONTAL DISTANCES, IN METRES.


13. SERVICES POSITIONS AND ALIGNMENT MAY HAVE BEEN OBTAINED FROM THIRD PARTY RECORDS AND SHOULD BE VERIFIED ON SITE PRIOR TO CONSTRUCTION COMMENCING. HARRISON GRIERSON DOES NOT IN ANY WAY GUARANTEE THE ACCURACY OF ANY UNDERGROUND SERVICE SHOWN ON THIS PLAN.


14. LOTS 184-197 ARE SUBJECT TO A CONSENT NOTICE ALLOWING ON-SITE STORMWATER DISPOSAL.


15. ALL CONNECTIONS ARE BETWEEN 1.0-1.5m DEPTH.


LEGEND


 STORMWATER LINE


 STORMWATER MANHOLE


 STORMWATER CONNECTION


 SUMP


 SEWER LINE

 SEWER MANHOLE

 SEWER CONNECTION

 EXISTING STORMWATER LINE


 EXISTING STORMWATER MANHOLE

 SECONDARY STORMWATER OVERLAND FLOWPATH

DATA SOURCE

1. THIS PLAN HAS BEEN CARRIED OUT TO TOPOGRAPHICAL STANDARDS. ALL LEVELS SHOWN ARE CORRECT AT TIME OF SURVEY. CRITICAL DIMENSIONS AND LEVELS SHOULD BE VERIFIED.

2. SERVICES POSITIONS AND ALIGNMENT MAY HAVE BEEN OBTAINED FROM THIRD PARTY RECORDS AND SHOULD BE VERIFIED ON SITE PRIOR TO CONSTRUCTION COMMENCING. HARRISON GRIERSON DOES NOT IN ANY WAY GUARANTEE THE ACCURACY OF ANY UNDERGROUND SERVICE SHOWN ON THIS PLAN.



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www.harrisongrierson.com

A	AS-BUILT	AMB	15.05.12
REF	REVISIONS	BY	DATE

PROJECT:

SILVERWOOD JOINT VENTURE
SILVERWOOD BLOCK - PORIRUA
RURAL RESIDENTIAL

TITLE:

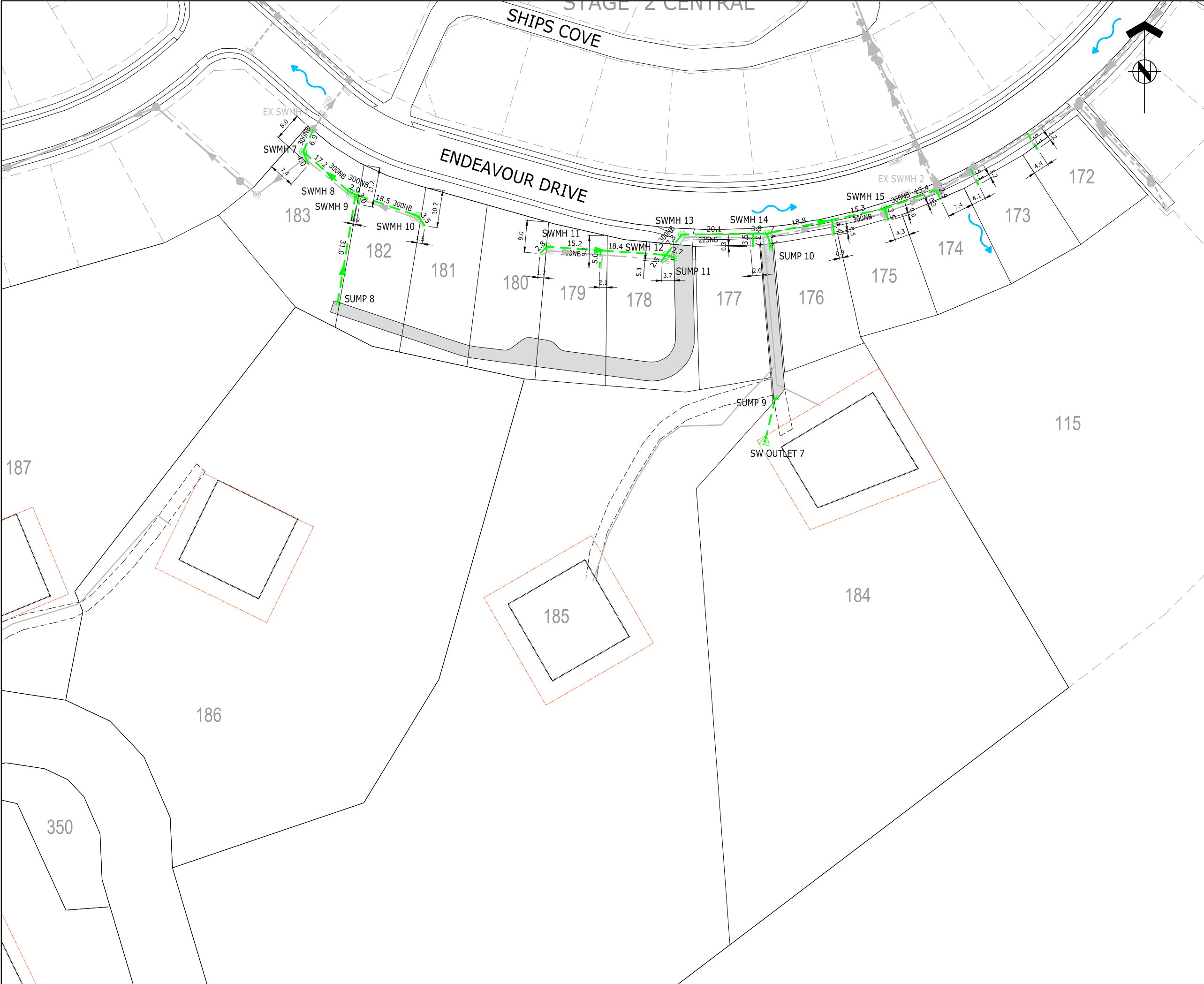
STORMWATER RETICULATION
AS-BUILT PLAN
SHEET 1 OF 2


DESIGNED:	DATE:	SIGNED:	PLOT BY:
GMB/SMB	18.11.11		SMB
CHECKED:	DATE:	SIGNED:	PLOT DATE:
PWJ/MJH	15.05.12		01.06.12
APPROVED:	DATE:	SIGNED:	SURVEY BY:
AMB	15.05.12		GMB
			SURVEY DATE:
			11.2011

ISSUE STATUS:

AS-BUILT

PROJECT No:	1850-124534-04	SCALES:	1:500-A1 1:1000-A3	A1
DRAWING No:	124534-AB400	REV		A





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NOTES

1. ALL STORMWATER MAINS ARE BOSSPIPE SN8 UNLESS OTHERWISE NOTED.

2. ALL HOUSE CONNECTIONS ARE 100mm DIA uPVC.

3. ALL SINGLE SUMP LEADS ARE 225mm DIA BOSSPIPE.

4. ALL DOUBLE SUMP LEADS ARE 300mm DIA BOSSPIPE.

5. ALL SUMPS HAVE ENVIROPODS INSTALLED.

6. ALL POSITIONS AND LEVELS ARE ACCURATE AS AT TIME OF SURVEY.

7. LEVELS ARE IN TERMS OF MEAN SEA LEVEL.

8. ORIGIN OF LEVELS: NAIL X DP 348624, RL: 51.94m

9. COORDINATES ARE IN TERMS OF NZGD2000 - WELLINGTON CIRCUIT.

10. WORK COMPLETED AS AT APRIL 2011.

11. POSITION OF HOUSE CONNECTIONS BASED ON INFORMATION SUPPLIED BY HIGGINS CONTRACTORS WELLINGTON.


12. ALL DISTANCES SHOWN ARE HORIZONTAL DISTANCES, IN METRES.


13. SERVICES POSITIONS AND ALIGNMENT MAY HAVE BEEN OBTAINED FROM THIRD PARTY RECORDS AND SHOULD BE VERIFIED ON SITE PRIOR TO CONSTRUCTION COMMENCING. HARRISON GRIERSON DOES NOT IN ANY WAY GUARANTEE THE ACCURACY OF ANY UNDERGROUND SERVICE SHOWN ON THIS PLAN.


14. LOTS 184-197 ARE SUBJECT TO A CONSENT NOTICE ALLOWING ON-SITE STORMWATER DISPOSAL.


15. ALL CONNECTIONS ARE BETWEEN 1.0-1.5m DEPTH.


LEGEND


STORMWATER LINE


STORMWATER MANHOLE


STORMWATER CONNECTION


SUMP


SEWER LINE

SEWER MANHOLE

SEWER CONNECTION

EXISTING STORMWATER LINE


EXISTING STORMWATER MANHOLE

SECONDARY STORMWATER OVERLAND FLOWPATH

DATA SOURCE

1. THIS PLAN HAS BEEN CARRIED OUT TO TOPOGRAPHICAL STANDARDS. ALL LEVELS SHOWN ARE CORRECT AT TIME OF SURVEY. CRITICAL DIMENSIONS AND LEVELS SHOULD BE VERIFIED.

2. SERVICES POSITIONS AND ALIGNMENT MAY HAVE BEEN OBTAINED FROM THIRD PARTY RECORDS AND SHOULD BE VERIFIED ON SITE PRIOR TO CONSTRUCTION COMMENCING. HARRISON GRIERSON DOES NOT IN ANY WAY GUARANTEE THE ACCURACY OF ANY UNDERGROUND SERVICE SHOWN ON THIS PLAN.



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A	AS-BUILT	AMB	15.05.12
REF	REVISIONS	BY	DATE

PROJECT:

SILVERWOOD JOINT VENTURE
SILVERWOOD BLOCK - PORIRUA
RURAL RESIDENTIAL

TITLE:

STORMWATER RETICULATION
AS-BUILT PLAN
SHEET 2 OF 2

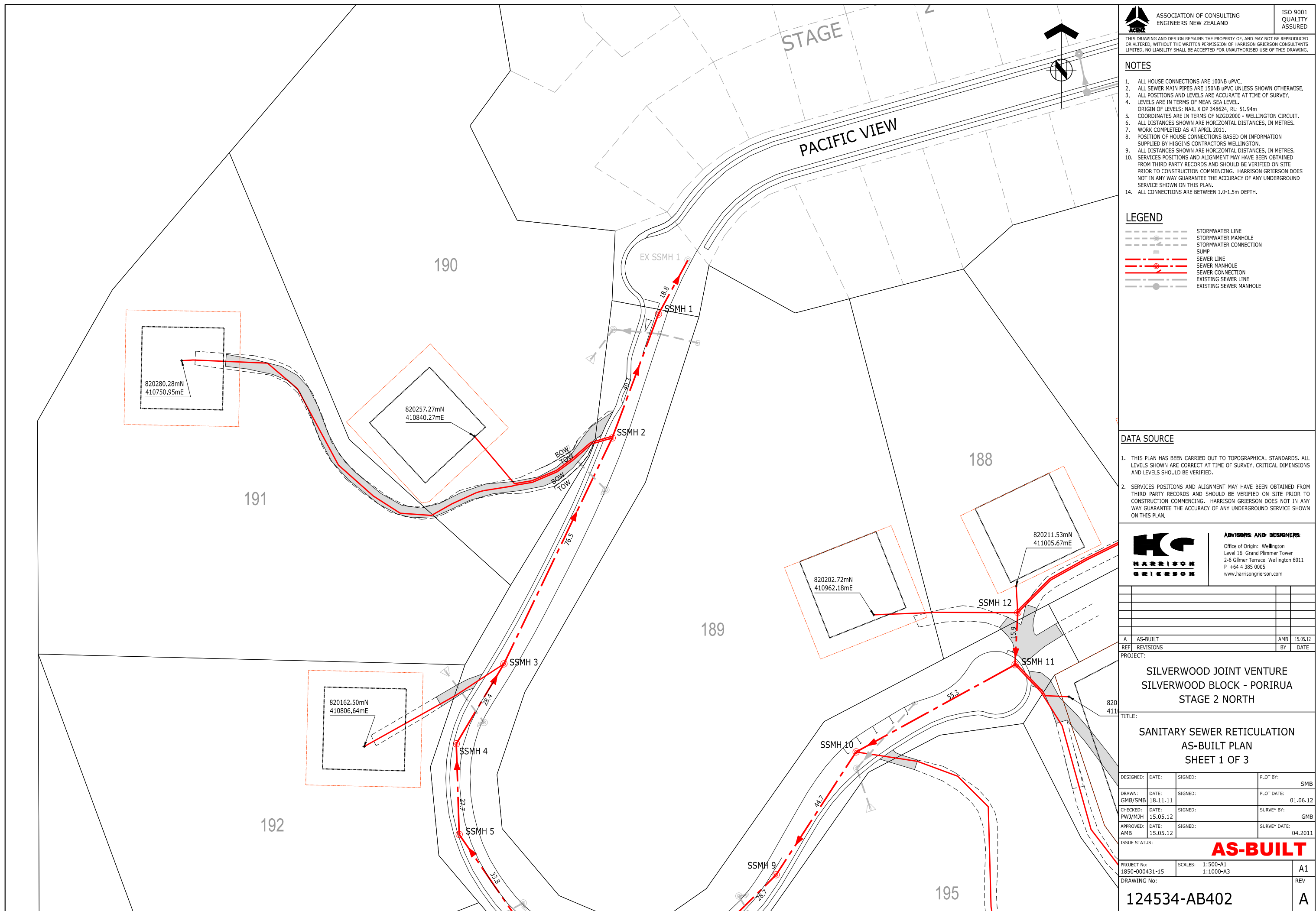
DESIGNED:	DATE:	SIGNED:	PLOT BY:
GMB/SMB	18.11.11		SMB
CHECKED:	DATE:	SIGNED:	PLOT DATE:
PWJ/MJH	15.05.12		01.06.12
APPROVED:	DATE:	SIGNED:	SURVEY BY:
AMB	15.05.12		GMB
			SURVEY DATE:
			11.2011

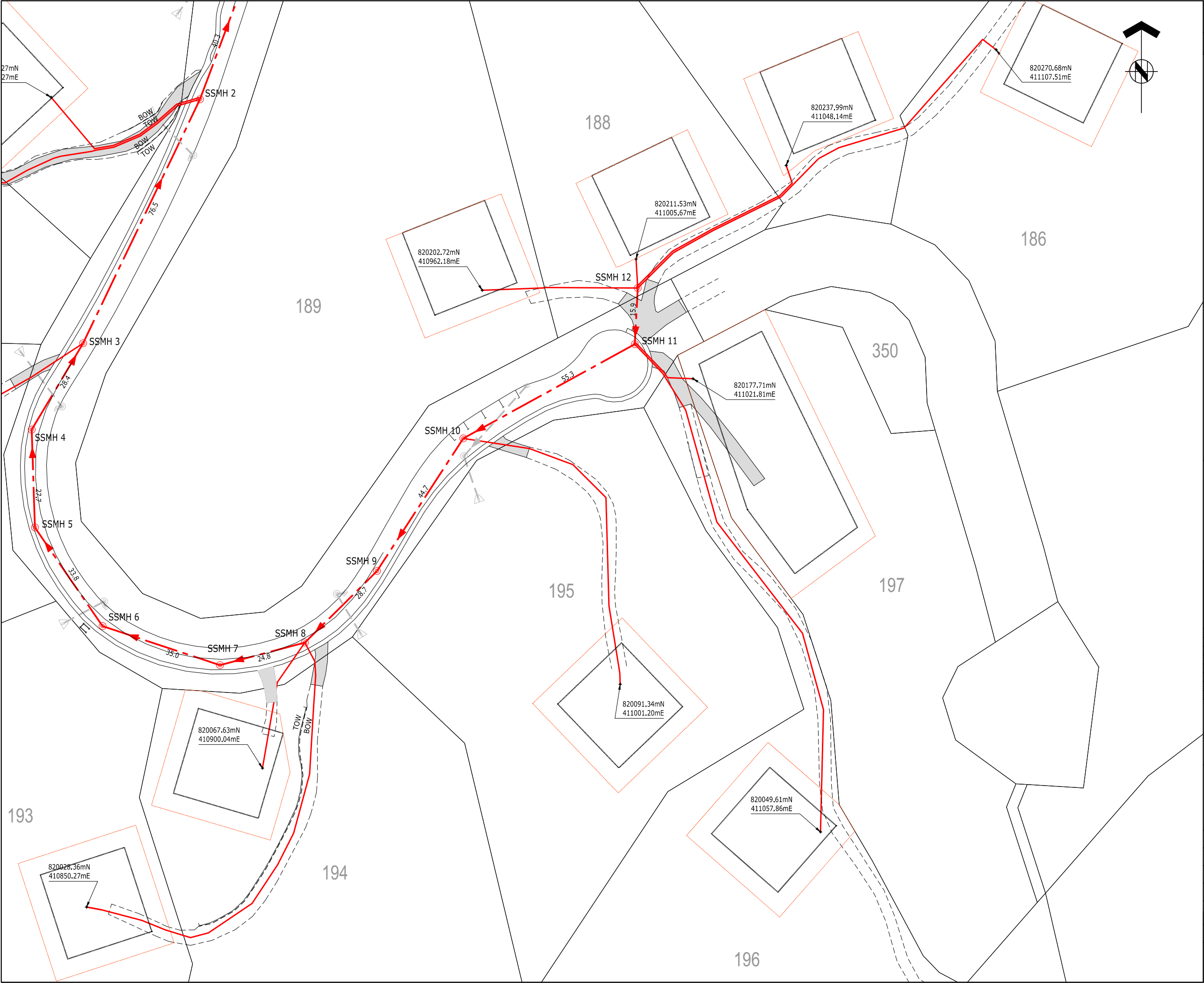
ISSUE STATUS:


AS-BUILT

PROJECT No:	1850-124534-04	SCALES:	1:500-A1 1:1000-A3	A1
DRAWING No:	124534-AB401	REV		A

File: WELLINGTON N:\1850\124534_A\CAD\ASBUILT PLANS\124534-AB100-300-400-500.DWG







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NOTES


- ALL HOUSE CONNECTIONS ARE 100NB uPVC.
- ALL SEWER MAIN PIPES ARE 150NB uPVC UNLESS SHOWN OTHERWISE.
- ALL POSITIONS AND LEVELS ARE ACCURATE AT TIME OF SURVEY.
- LEVELS ARE IN TERMS OF MEAN SEA LEVEL.
- ORIGIN OF LEVELS: NAIL X DP 348624, RL: 51.94m
- COORDINATES ARE IN TERMS OF NZGD2000 - WELLINGTON CIRCUIT.
- ALL DISTANCES SHOWN ARE HORIZONTAL DISTANCES, IN METRES.
- WORK COMPLETED AS AT APRIL 2011.
- POSITION OF HOUSE CONNECTIONS BASED ON INFORMATION SUPPLIED BY HIGGINS CONTRACTORS WELLINGTON.
- ALL DISTANCES SHOWN ARE HORIZONTAL DISTANCES, IN METRES.
- SERVICES POSITIONS AND ALIGNMENT MAY HAVE BEEN OBTAINED FROM THIRD PARTY RECORDS AND SHOULD BE VERIFIED ON SITE PRIOR TO CONSTRUCTION COMMENCING. HARRISON GRIERSON DOES NOT IN ANY WAY GUARANTEE THE ACCURACY OF ANY UNDERGROUND SERVICE SHOWN ON THIS PLAN.
- ALL CONNECTIONS ARE BETWEEN 1.0-1.5m DEPTH.

LEGEND

	STORMWATER LINE
	STORMWATER MANHOLE
	STORMWATER CONNECTION
	SUMP
	SEWER LINE
	SEWER MANHOLE
	SEWER CONNECTION
	EXISTING SEWER LINE
	EXISTING SEWER MANHOLE

DATA SOURCE

- THIS PLAN HAS BEEN CARRIED OUT TO TOPOGRAPHICAL STANDARDS. ALL LEVELS SHOWN ARE CORRECT AT TIME OF SURVEY. CRITICAL DIMENSIONS AND LEVELS SHOULD BE VERIFIED.
- SERVICES POSITIONS AND ALIGNMENT MAY HAVE BEEN OBTAINED FROM THIRD PARTY RECORDS AND SHOULD BE VERIFIED ON SITE PRIOR TO CONSTRUCTION COMMENCING. HARRISON GRIERSON DOES NOT IN ANY WAY GUARANTEE THE ACCURACY OF ANY UNDERGROUND SERVICE SHOWN ON THIS PLAN.



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www.harrisongrierson.com

A	AS-BUILT	AMB	15.05.12
REF	REVISIONS	BY	DATE

PROJECT:

SILVERWOOD JOINT VENTURE
SILVERWOOD BLOCK - PORIRUA
STAGE 2 NORTH

TITLE:

SANITARY SEWER RETICULATION
AS-BUILT PLAN
SHEET 2 OF 3

DESIGNED:	DATE:	SIGNED:	PLOT BY:
GMB/SMB	18.11.11		SMB
CHECKED:	DATE:	SIGNED:	PLOT DATE:
PWJ/MJH	15.05.12		01.06.12
APPROVED:	DATE:	SIGNED:	SURVEY BY:
AMB	15.05.12		GMB
			SURVEY DATE:
			04.2011

ISSUE STATUS:

AS-BUILT

PROJECT No:	1850-000431-15	SCALES:	1:500-A1 1:1000-A3	A1
DRAWING No:	124534-AB403			REV
				A

STORMWATER RETICULATION COORDINATES						
MH No	mN	mE	LL	IL OUT	DEPTH OUT	IL IN-1
EX SWMH 1	820382.41	411147.62	87.11	85.28	1.83	85.55
EX SWMH 2	820365.26	411323.29	91.91	89.99	1.92	90.29
SWMH 1	820289.82	410882.69	86.56	85.01	1.55	
SWMH 2	820240.86	410880.44	91.73	89.98	1.75	
SWMH 3	820169.84	410843.29	100.98	99.00	1.98	
SWMH 4	820114.73	410855.18	110.45	108.55	1.90	
SWMH 5	820116.84	410921.01	115.03	113.26	1.77	
SWMH 6	820155.82	410956.99	120.53	119.33	1.20	
SWMH 7	820376.13	411144.70	92.11	90.14	1.97	90.31
SWMH 8	820364.82	411157.67	95.00	93.63	1.37	93.70
SWMH 9	820363.96	411159.53	95.09	93.93	1.16	93.95
SWMH 10	820357.97	411177.03	96.80	95.80	1.00	
SWMH 11	820349.29	411213.52	97.81	96.81	1.00	
SWMH 12	820346.98	411247.09	95.03	93.09	1.94	93.17
SWMH 13	820352.73	411251.55	93.86	92.20	1.66	92.23
SWMH 14	820352.97	411275.50	92.94	90.85	2.09	90.90
SWMH 15	820360.06	411308.81	91.89	90.49	1.40	90.50
SW OUTLET 1	820280.86	410876.01		80.18		
SW OUTLET 2	820252.91	410868.57		87.40		
SW OUTLET 3	820185.44	410831.55		96.95		
SW OUTLET 4	820108.71	410843.99		107.30		
SW OUTLET 5	820105.65	410927.82		112.55		
SW OUTLET 6	820143.86	410961.09		117.70		
SW OUTLET 7	820294.4	411275.01		92.90		
SUMP 1	820285.68	410908.53	92.63			
SUMP 2	820288.51	410896.79	86.58			
SUMP 3	820240.02	410879.62	91.74			
SUMP 4	820169.15	410841.87	101.00			
SUMP 5	820113.32	410855.65	110.48			
DBL SUMP 6	820117.14	410923.29	114.95			
SUMP 7	820175.66	410974.70	123.90			
SUMP 8	820333.34	411154.43	99.55			
SUMP 9	820306.72	411277.92	94.29			
SUMP 10	820349.05	411276.81	93.16			
SUMP 11	820346.18	411249.68	94.43			

SANITARY SEWER RETICULATION COORDINATES							
MH No	mN	mE	LL	IL OUT	DEPTH OUT	IL IN-1	IL IN-2
EX SSMH 1	820310.98	410905.47	84.34	83.06	1.28	83.07	
EX SSMH 2	820367.79	411126.97	86.44	85.49	0.95	85.61	
EX SSMH 3	820365.09	411324.35	91.91	89.90	2.01	90.31	
SSMH 1	820294.46	410896.46	86.14	84.69	1.45	84.72	
SSMH 2	820256.70	410882.36	90.31	88.52	1.79	88.54	
SSMH 3	820187.71	410849.30	98.45	96.53	1.92	96.59	
SSMH 4	820163.31	410834.77	102.39	100.78	1.61	100.80	
SSMH 5	820135.66	410835.66	106.45	104.78	1.67	104.80	
SSMH 6	820107.79	410854.79	111.11	109.34	1.77	109.36	
SSMH 7	820096.76	410888.01	114.51	112.39	2.12	112.41	
SSMH 8	820103.12	410912.01	115.14	112.94	2.20	113.02	
SSMH 9	820123.33	410932.42	115.55	113.63	1.92	113.66	
SSMH 10	820160.83	410956.81	120.90	118.84	2.06	118.87	
SSMH 11	820187.46	411005.33	128.76	126.88	1.88	126.90	
SSMH 12	820203.35	411006.18	130.26	128.24	2.02		
SSMH 13	820363.97	411131.69	91.88	90.11	1.77	90.33	
SSMH 14	820374.18	411145.24	92.50	90.65	1.85	90.67	
SSMH 15	820363.67	411157.96	95.07	93.81	1.26	93.82	
SSMH 16	820357.60	411175.86	96.79	95.74	1.05		
SSMH 17	820348.12	411214.40	97.85	96.61	1.24		
SSMH 18	820345.55	411247.47	95.14	93.15	1.99	93.21	
SSMH 19	820352.02	411252.62	93.85	92.11	1.74	92.17	
SSMH 20	820345.78	411275.22	93.52	91.42	2.10		
SSMH 21	820351.82	411274.54	93.01	90.97	2.04	90.98	91.06
SSMH 22	820358.62	411308.56	91.93	90.57	1.36	90.58	

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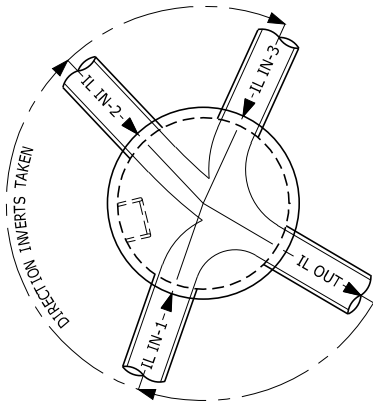


DIAGRAM OF INVERTS

NOT TO SCALE

DATA SOURCE

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




A	AS-BUILT	AMB	15.05.12
REF	REVISIONS	BY	DATE
PROJECT:			
SILVERWOOD JOINT VENTURE SILVERWOOD BLOCK - PORIRUA STAGE 2 NORTH			
TITLE: SANITARY SEWER AND STORMWATER RETICULATION COORDINATE TABLES			
DESIGNED:	DATE:	SIGNED:	PLOT BY: SMB
DRAWN: GMB/SMB	DATE: 18.11.11	SIGNED:	PLOT DATE: 01.06.12
CHECKED: PWJ/MJH	DATE: 15.05.12	SIGNED:	SURVEY BY: GMB
APPROVED: AMB	DATE: 15.05.12	SIGNED:	SURVEY DATE: 04.2011
ISSUE STATUS: AS-BUILT			
PROJECT No: 1850-000431-15	SCALES: 1:500-A1 1:1000-A3	A1	
DRAWING No:			REV
124534-AB405			A

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LEGEND

-  FIRE HYDRANT
-  GATE VALVE
-  SCOUR VALVE
-  SLUICE VALVE
-  WATER TOBY
-  END CAP
-  RIDERMAIN (50NB)
-  PRIVATE FEED (20NB)
-  EXISTING WATERMAIN

DATA SOURCE

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www.harrisongrierson.com

A	AS-BUILT	AMB	15.05.12
REF	REVISIONS	BY	DATE

PROJECT:

SILVERWOOD JOINT VENTURE
SILVERWOOD BLOCK - PORIRUA
STAGE 2 NORTH

TITLE:

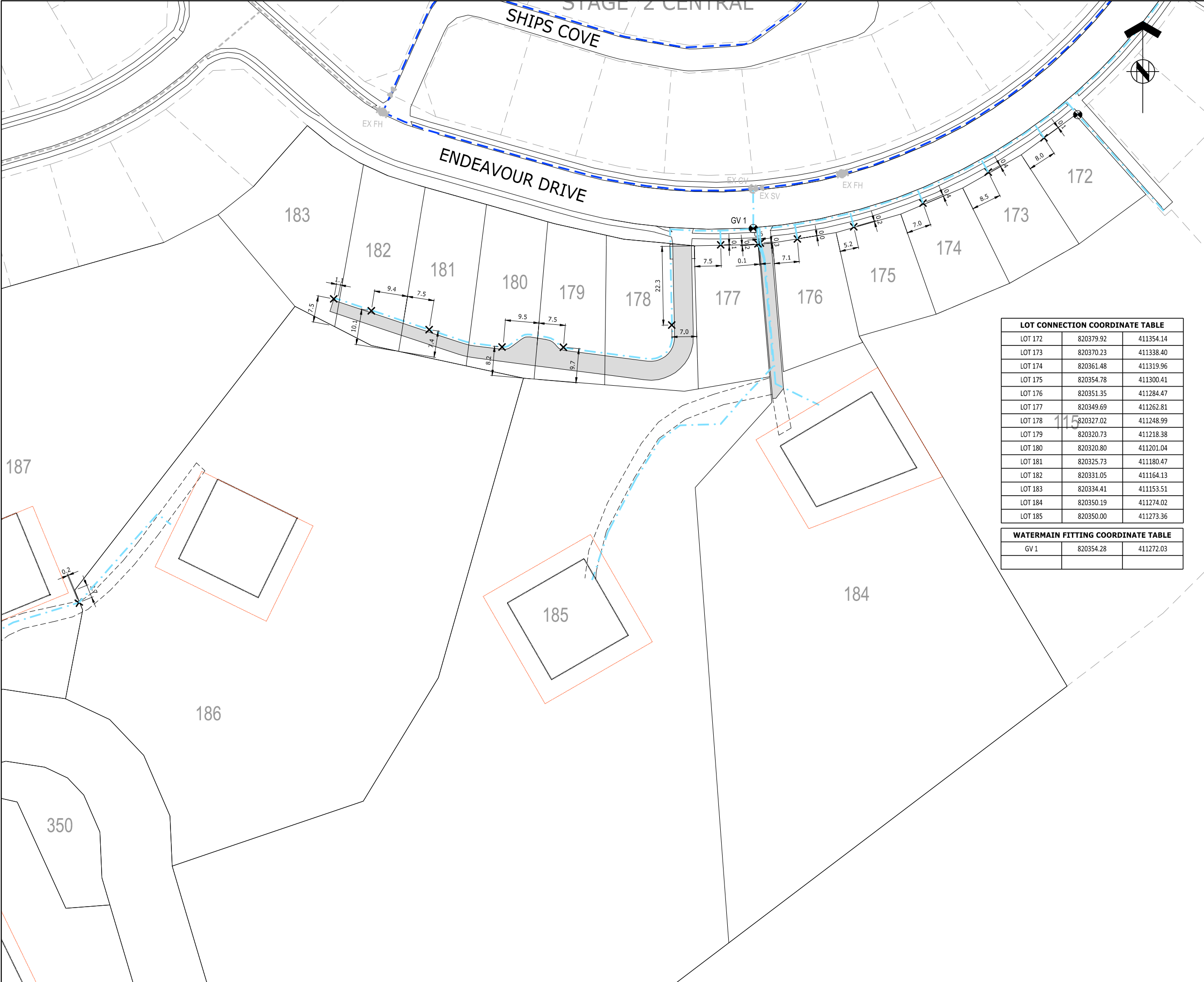
WATER RETICULATION
AS-BUILT PLAN
SHEET 1 OF 3


DESIGNED:	DATE:	SIGNED:	PLOT BY:	SMB
DRAWN:	DATE:	SIGNED:	PLOT DATE:	01.06.12
GMB/SMB	18.11.11			
CHECKED:	DATE:	SIGNED:	SURVEY BY:	GMB
PWJ/MJH	15.05.12			
APPROVED:	DATE:	SIGNED:	SURVEY DATE:	04.2011
AMB	15.05.12			

ISSUE STATUS:

AS-BUILT

PROJECT No:	1850-000431-15	SCALES:	1:500-A1 1:1000-A3	A1
DRAWING No:	124534-AB500	REV	A	





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
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ASSURED

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2. COORDINATES ARE IN TERMS OF NZGD2000 - WELLINGTON CIRCUIT.


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LEGEND


 FIRE HYDRANT


 GATE VALVE


 SCOUR VALVE


 SLUICE VALVE

 WATER TOBY

 END CAP

 RIDERMAIN (50NB)


 PRIVATE FEED (20NB)

 EXISTING WATERMAIN

DATA SOURCE

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HARRISON
GRIERSON

ADVISORS AND DESIGNERS

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2-6 Gilmer Terrace Wellington 6011
P +64 4 385 0005
www.harrisongrierson.com

A	AS-BUILT	AMB	15.05.12
REF	REVISIONS	BY	DATE

PROJECT:

SILVERWOOD JOINT VENTURE
SILVERWOOD BLOCK - PORIRUA
RURAL RESIDENTIAL

TITLE:

WATER RETICULATION
AS-BUILT PLAN
SHEET 3 OF 3

DESIGNED:	DATE:	SIGNED:	PLOT BY:
			SMB
DRAWN:	DATE:	SIGNED:	PLOT DATE:
GMB/SMB	18.11.11		01.06.12
CHECKED:	DATE:	SIGNED:	SURVEY BY:
PWJ/MJH	15.05.12		GMB
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
AMB	15.05.12		11.2011

ISSUE STATUS:

AS-BUILT

PROJECT No:	SCALES:	A1
1850-124534-04	1:500-A1 1:1000-A3	
DRAWING No:	REV	
124534-AB502	A	

File: WELLINGTON N:\1850\124534_A\CAD\ASBUILT PLANS\124534-AB100-300-400-500.DWG