



AMENDMENT	NAME	DATE

LEGEND:

- EXISTING BOUNDARIES
- FUTURE BOUNDARIES
- EXISTING CONTOUR (1m)
- FINISHED CONTOUR MAJOR (5m)
- FINISHED CONTOUR MINOR (1m)

- LOT NUMBER
- SINGLE SWAMP
- DOUBLE SWAMP

1145

- NEW STREETLIGHT
- PC
- VEHICLE CROSSING
- LEVEL ON TOP OF KERB

NOTES:

- LEVELS ARE IN TERMS OF MEAN SEA LEVEL, WELLINGTON CITY DATUM 1953.
- COORDINATES ARE IN TERMS OF NEW ZEALAND GEODETIC DATUM 2000 WELLINGTON CIRCUIT.
- CONTOURS ARE SHOWN AT 1m INTERVALS.
- LEVELS ARE TOP OF KERB
- ALL ROAD SWIMPS MASTERD HPOD SWIMPS UNLESS SHOWN OTHERWISE.
- ROAD PAVEMENT – MIN. 30mm ASPHALTIC CONCRETE OVER 120mm #440 BASECOURSE OVER MINIMUM 150mm AGG.
- ALL STREETLIGHTS ARE WINDSOR STRAND B 27W LED LUMINAIRE MOUNTED ON A 6.5m MH EOPMAX B POLE WITH 10m ROLLER OUTREACH ARM.
- ALL HOV LINES ARE 300mm WIDE WHITE CONTINUOUS. ALL COUNTRY LINES ARE 100mm WIDE WHITE DASHED. ALL CENTRELINES ARE 150mm WHITE CONTINUOUS UNLESS SPECIFIED OTHERWISE.



Cuttriss Consultants Limited  
Hunt Valley, Wellington, Kapiti Coast

**Cuttriss**  
Surveyors, Engineers, Planners.

- Lower Half Block - Level 2, Cuttriss House, 191 High Street, Lower Hunt Valley, Wellington, New Zealand
- Postal Address: c/o Box 33, 123, Lower Hunt Valley, Wellington, New Zealand
- Telephone: (04) 559 6245 Fax: (04) 559 6248 Email: info@cuttriss.co.nz
- Parapetum Branch: 33 Kaiti Road, Parapetum
- Postal Address: c/o Box 886, Parapetum, New Zealand
- Telephone: (04) 559 6245 Fax: (04) 559 6248 Email: info@cuttriss.co.nz

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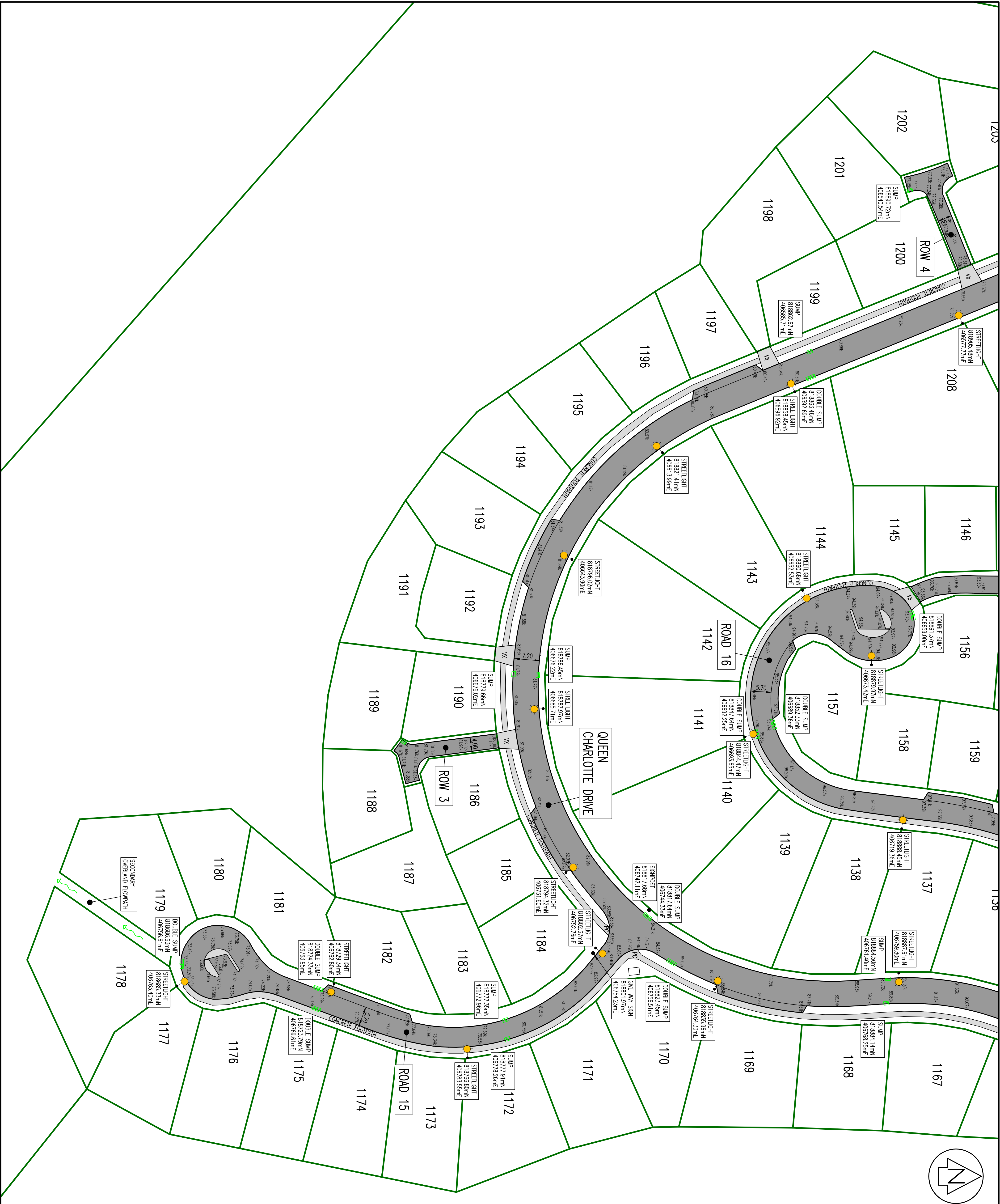
AOTEA GROUP LTD

JOB

AOTEA  
SUBDIVISION CIVIL WORKS  
STAGE 14

ASBULT ROADING  
(SHEET 2 OF 2)

SCALE	1:500 (A3 1:1000)	SIZE	A1
NAME	DATE	DRAWING NUMBER	
FIELDWORK	-	27514ASBR	
DESIGNED	RHH 08/17	SHEET 2 OF 2	SHEETS
DRAWN	KML 10/18	REVISION	-
CHECKED	RHH 10/18		





AMENDMENT	NAME	DATE

## LEGEND:

EXISTING BOUNDARIES  
FUTURE BOUNDARIES  
EXISTING CONTOUR (1m)  
FINISHED CONTOUR MAJOR (5m)  
FINISHED CONTOUR MINOR (1m)

1145

LOT NUMBER  
SINGLE SLUMP  
DOUBLE SLUMP

INDENTED PARKING BAY

NEW STREETLIGHT  
PC  
VX  
VEHICLE CROSSING  
VEHICLE CROSSING

## NOTES:

LEVEL ON TOP OF KERB

- LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON CITY DATUM 1953.
- COORDINATES ARE IN TERMS OF NEW ZEALAND GEODETIC DATUM 2000 WELLINGTON CIRCUIT.
- CONTOURS ARE SHOWN AT 1m INTERVALS.
- LEVELS ARE TOP OF KERB
- ALL ROAD SLUMPS MAESTRO HYDRO SLUMPS UNLESS SHOWN OTHERWISE.
- ROAD PAVEMENT – MIN. 30mm ASPHALTIC CONCRETE OVER 120mm #940 BASECOURSE OVER MINIMUM 150mm #905.
- ALL STREETLIGHTS ARE WINDSOR STRAND 8.27M LED LUMINAIRE MOUNTED ON A 6.5m HH ECRAMAX 8 POLE WITH 1.0m ROLL-OVER OUTREACH ARM.
- ALL HOOD LINES ARE 300mm WIDE WHITE CONTINUOUS. ALL CONTINUITY LINES ARE 100mm WIDE WHITE DASHED. ALL CENTRELINES ARE 150mm WHITE CONTINUOUS UNLESS SPECIFIED OTHERWISE.

0 10 20 30 40 50m  
SCALE 1:500

**Cuttriss Consultants Limited**  
Hunt Valley, Wellington, Kapiti Coast

**Cuttriss**  
Surveyors, Engineers, Planners.

Lower Half Brand - Level 2, Cuttriss House, 191 High Street, Lower Hunt  
Postal Address: +64 904 30 02, Lower Hunt 504  
Telephone: (04) 559 6245 Fax: (04) 559 6248 Email: [info@cuttriss.co.nz](mailto:info@cuttriss.co.nz)  
Parapetum Branch - 51 Kapa Road, Parapetum  
Postal Address: +64 904 886 Parapetum 524  
Telephone: (04) 559 6245 Fax: (04) 559 6242 Email: [kapa@cuttriss.co.nz](mailto:kapa@cuttriss.co.nz)

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JOB  
**AOTEA  
SUBDIVISION CIVIL WORKS  
STAGE 14**

**ASBULT ROADING  
(SHEET 1 OF 2)**

SCALE	1:500 (A3 1:1000)	SIZE	A1
NAME	DATE	DRAWING NUMBER	
FIELDWORK	-	DESIGNED	27514ASBR
DESIGNED	RHH 08/17	SHEET	1 OF 2
DRAWN	KHL 10/18	REVISION	-
CHECKED	RHH 10/18		



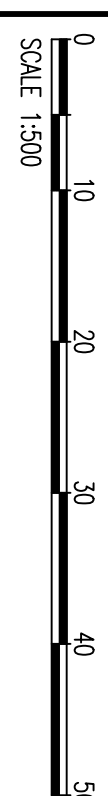
AMENDMENT		NAME	DATE

LEGEND:

NOTES:			
	—	EXISTING BULK WATER	
	---	NEW WATER	
	---	FIRE HYDRANT	
	■ FH	SLUICE VALVE	
	● SV	GATE VALVE	
	● GV	SCOUR VALVE	
	● SC	ACUFLO MANFOLD	
	■		

NOTES:

1. COORDINATES ARE IN TERMS OF NEW ZEALAND GEODESIC DATUM 2000, WELLINGTON CIRCUIT.
2. ALL #150 AND #100 MANHoles ARE mPVC. #152 UNLESS SHOWN OTHERWISE.
3. ALL RIGGS MANHoles ARE 6300 WDEE. #152.
4. ALL PRIVATE SERVICE CONNECTIONS ARE 2500 WDEE. #152 UNLESS SHOWN OTHERWISE.
5. MINIMUM COVER ON PIPES ARE AS FOLLOWS:
  - MANHoles #100 AND GREATER 750mm COVER.
  - RIGGS MANHoles 800mm COVER IN BRUSHES AND 750mm COVER IN THATCHED AREAS.
6. ALL RESPECTIVE SERVICE TONES ARE ACIDID MANHOLEDS WITH DOUBLE CHECK VALVES.
7. ALL HOBMANNS ARE TALL TYPE HOBMANNS.
8. ALL #50 VALVES ARE THE MKV OR HAVE EPOXY COATED DUCTILE IRON WITH A 200mPa RATING AND CONFORM TO AS2538:2011.
9. ALL #100 OR GREATER VALVES HAVE FLANGED EPOXY COATED DUCTILE IRON WITH A 200mPa RATING AND CONFORM TO AS2538:2011.
10. #150, #100 AND #50 VALVES ARE CAST IRON COVERS PAINTED WH WITH A MINIMUM OPENING OF 200mm SQUARE. VALVES ARE MARKED WITH A 'V' EMBED IN KERB.
11. FIRE HOBMANNS HAVE YELLOW PAINTED COVERS WITH YELLOW PAINT THROUGHS AND BLUE CAST EYE ON ROAD AND YELLOW PAINT STRIP ON KERB.



**Cuttriss Consultants Limited**  
Hutt Valley, Wellington, Kapiti Coast

**Cuttriss**  
Surveyors. Engineers. Planners.

Lower Hutt Branch: Lower 2 Cottrell House, 191 High Street, Lower Hutt  
Postal address: P.O. Box 30 429, Lower Hutt 5040  
Telephone (04) 939 9249 Fax (04) 939 9249 Email [hunt@cottrell.co.nz](mailto:hunt@cottrell.co.nz)

☐ Paraparaumu Branch: 33 Kapiti Road, Paraparaumu  
Postal address: P.O. Box 386, Paraparaumu 5254  
Telephone (04) 904 5420 Fax (04) 904 5423 Email [kapiti@cottrell.co.nz](mailto:kapiti@cottrell.co.nz)

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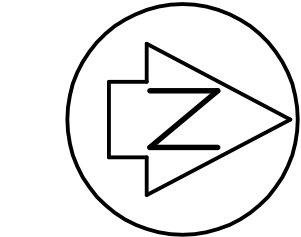
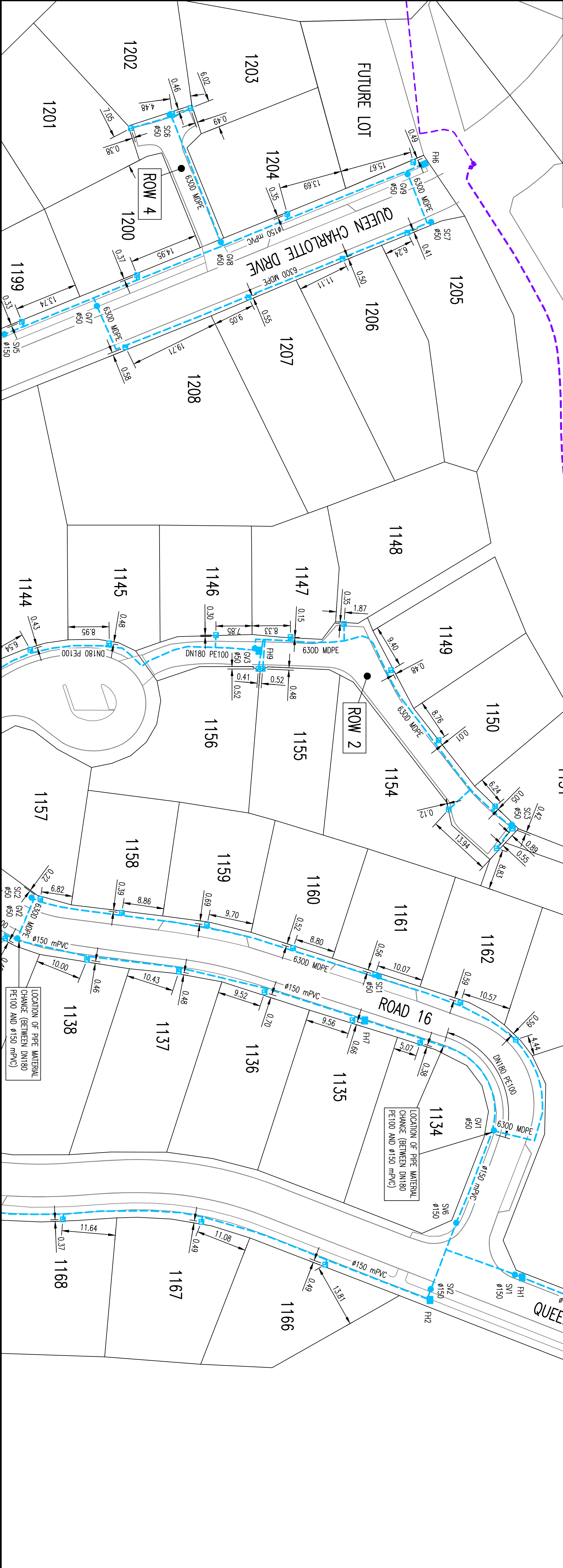
JOB  
AOTEA  
SUBDIVISION CIVIL WORKS  
STAGE 14

ASBUILT WATER  
(SHEET 2 OF 2)

SCALE	1:500	(A3 1:1000)	SIZE	A1
	NAME	DATE	DRAWING NUMBER	
FIELDWORK	—	—	27514ASBW	
DESIGNED	RPH	08/17		
DRAWN	KML	10/18		
CHECKED	RPH	10/18	SHEET	2 OF 2 SHEETS
			REVISION	—



LOT CONNECTION COORDINATE TABLE		
LOT No.	mn	me
LOT 1134	818951.53	406735.74
LOT 1135	818936.83	406720.82
LOT 1136	818917.73	406724.74
LOT 1137	818899.12	406720.26
LOT 1138	818879.17	406717.00
LOT 1144	818866.94	406650.31
LOT 1145	818883.98	406648.93
LOT 1146	818907.18	406647.14
LOT 1147	818923.36	406647.55
LOT 1148	818934.99	406644.72
LOT 1149	818945.22	406644.72
LOT 1150	818955.54	406670.00
LOT 1151	818967.81	406664.35
LOT 1152	818971.86	406689.19
LOT 1153	818988.18	406863.46
LOT 1154	818957.75	406865.03
LOT 1155	818917.32	406654.47
LOT 1156	818916.38	406654.49
LOT 1157	818869.03	406704.46
LOT 1158	818886.74	406707.47
LOT 1159	818905.21	406710.12
LOT 1160	818923.92	406715.17
LOT 1161	818941.74	406720.94
LOT 1162	818960.28	406725.99
LOT 1163	818972.30	406726.99
LOT 1166	818930.91	406783.92
LOT 1167	818904.00	40674.63
LOT 1168	818873.91	406774.09
LOT 1169	818865.01	406720.06
LOT 1200	818890.04	406566.92
LOT 1201	818888.67	406537.01
LOT 1202	818897.66	406533.88
LOT 1203	818901.62	406532.66
LOT 1204	818922.67	406555.63
LOT 1205	818948.77	406559.71
LOT 1206	818934.66	406565.35
LOT 1207	818914.23	406573.76
LOT 1208	818887.51	406584.59
FUTURE LOT	818950.04	406544.37
WATER MAIN FITTING COORDINATE TABLE		
COMPONENT DESCRIPTION	mn	me
FH1	818973.69	406786.68
FH2	818953.65	406791.60
FH6	818952.38	406544.78
FH7	818939.50	406730.86
FH9	818916.51	406660.54
SV1	818972.11	406786.09
SV2	818953.82	406789.25
SV5	818861.21	406581.72
SV6	818959.36	406774.84
SV6	818967.54	406754.77
GV1	818864.01	406713.03
GV2	818915.62	406650.01
GV3	818881.31	406575.63
GV7	818908.22	406561.74
GV8	818946.79	406546.99
SC1	818942.54	406721.30
SC2	818867.11	406704.17
SC3	818971.43	406885.34
SC6	818897.10	406534.05
SC7	818953.90	406574.40

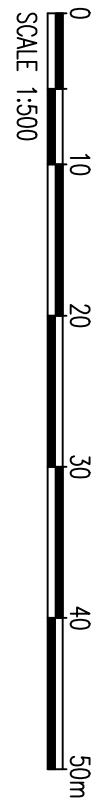


LEGEND:

- BOUNDARY
- FUTURE BOUNDARY
- EXISTING WATER
- NEW WATER
- EXISTING FIRE HYDRANT
- NEW FIRE HYDRANT
- EXISTING SERVICE VALVE
- NEW SERVICE VALVE
- EXISTING SCOUR VALVE
- NEW SCOUR VALVE
- EXISTING ACQUED MANHOLE
- NEW ACQUED MANHOLE

NOTES:

- COORDINATES ARE IN TERMS OF NEW ZEALAND GEODETIC DATUM 2000, WELLINGTON CIRCUIT.
- ALL #150 AND #100 MAINS ARE mPVC PN12 UNLESS SHOWN OTHERWISE.
- ALL RIDERS MAINS ARE 6300 MOPE PN12.
- ALL PRIVATE SERVICE CONNECTIONS ARE 2500 MOPE PN12 UNLESS SHOWN OTHERWISE.
- MINIMUM COVER ON PIPES ARE AS FOLLOWS:
  - MAINS #100 AND GREATER 750mm COVER.
  - RIDER MAINS 600mm COVER IN BERMS AND 750mm COVER IN TRAFFICED AREAS.
- ALL RECEPTUAL SERVICE TUBES ARE ACQUED MANHOLDS WITH DOUBLE CHECK VALVES.
- ALL HYDRANTS ARE TALL TYPE HYDRANTS.
- ALL #60 VALVES ARE TYPE AWK OR HAMLE EPOXY COATED DUCTILE IRON WITH A 20MPa RATING AND CONFORM TO AS2638:2011.
- ALL #100 OR GREATER VALVES HAVE FLANGED EPOXY COATED DUCTILE IRON WITH A 20MPa RATING AND CONFORM TO AS2638:2011.
- #150, #100 AND #60 VALVES ARE CAST IRON COVERS PAINTED WHITE WITH A MINIMUM OPENING OF 200mm SQUARE. VALVES ARE MARKED WITH A 'V' ETCHED IN KERB.
- FIRE HYDRANTS HAVE YELLOW PAINTED COVERS WITH YELLOW PAINTED TRUNCUS AND BLUE CANS EYE ON ROAD AND YELLOW PAINTED STRIP ON KERB.



Cuttriss Consultants Limited  
Hutt Valley, Wellington, Kapiti Coast

**Cuttriss**  
Surveyors, Engineers, Planners.

Lower Hutt Branch - Level 2, Cuttriss House, 191 High Street, Lower Hutt  
Postal Address - PO Box 30, 428, Lower Hutt 5040  
Telephone (61) 6591 6245 Fax (61) 6591 6248 Email hutt@cuttriss.co.nz  
Upper Hutt Branch - 3rd Floor, 3rd Floor, 3rd Floor, Upper Hutt  
Postal Address - PO Box 886, Upper Hutt 5140  
Telephone (61) 6591 6245 Fax (61) 6591 6248 Email hutt@cuttriss.co.nz

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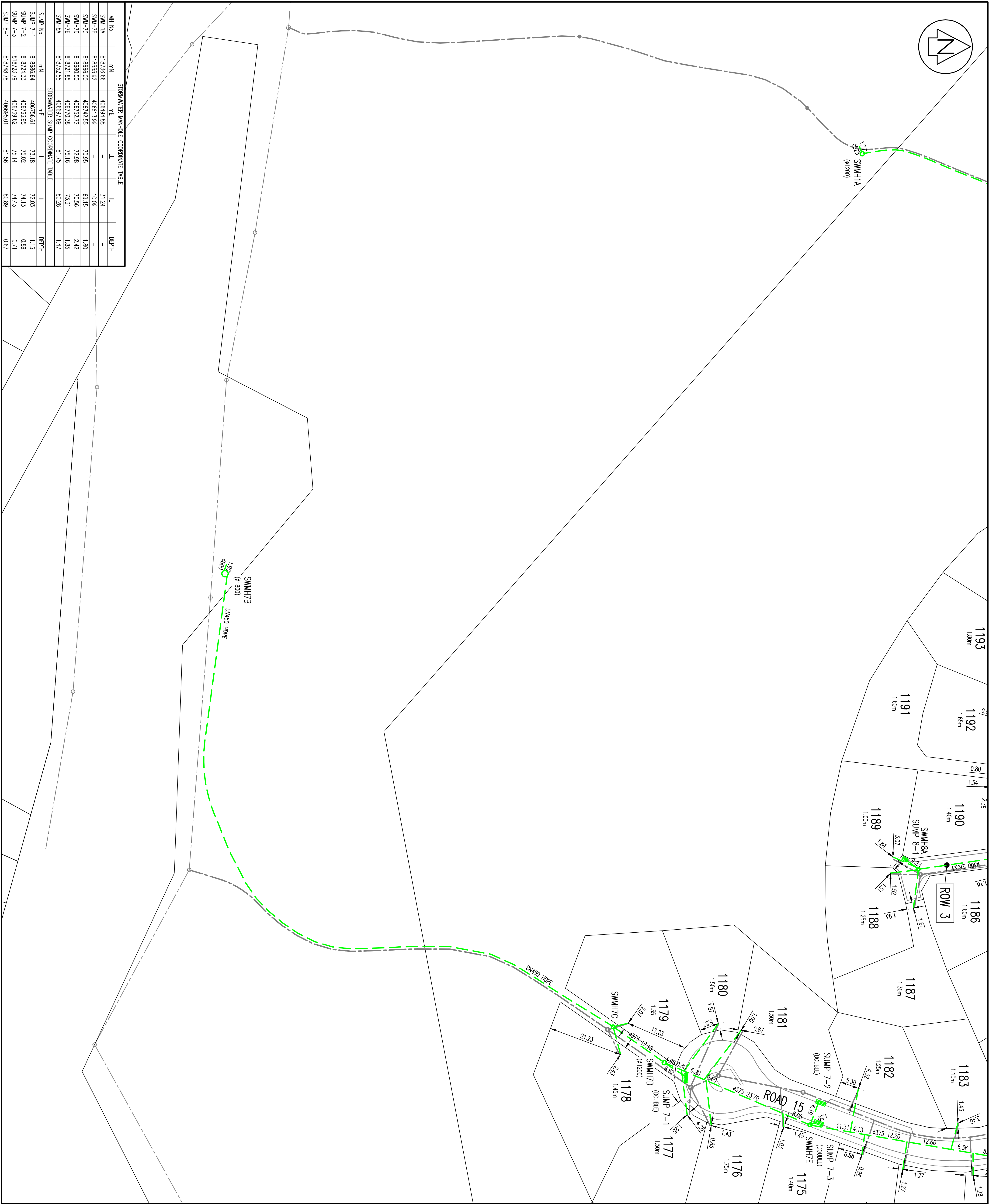
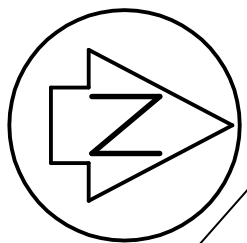
JOB

AOTEA  
SUBDIVISION CIVIL WORKS  
STAGE 14

ASBUILT WATER  
(SHEET 1 OF 2)

SCALE		SIZE	
1:500	(A3 1:1000)	A1	
NAME	DATE	DRAWING NUMBER	
FIELDWORK	-	27514ASBW	
DESIGNED	RHH 08/17	SHEET 1 OF 2	
DRAWN	KML 10/18	REVISION	
CHECKED	RHH 10/18	-	





STORMWATER MANHOLE COORDINATE TABLE				
MH No.	mN	mE	LL	DEPTH
SMWH1A	816735.66	406494.88	-	31.24
SMWH7B	816555.92	406613.99	-	10.09
SMWH7C	816666.00	406742.55	70.95	69.15
SMWH7D	816660.50	406752.72	72.98	70.56
SMWH7E	816721.85	406770.38	75.16	73.31
SMWH8A	816752.55	406897.88	81.75	80.28
STORMWATER SUMP COORDINATE TABLE				
SUMP No.	mN	mE	LL	DEPTH
SUMP 7-1	816666.64	406756.61	73.18	72.03
SUMP 7-2	816724.33	406763.95	75.02	74.13
SUMP 7-3	816723.79	406769.62	75.14	74.43
SUMP 8-1	816748.78	406895.01	81.56	80.89

AMENDMENT	NAME	DATE

LEGEND:

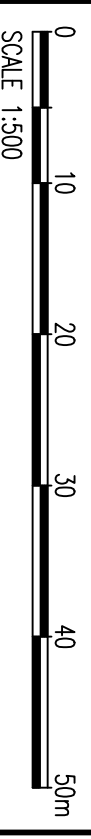
- PROPOSED STAGE 14 BOUNDARIES
- FOOTING BOUNDARIES
- EXISTING SENDER
- PROPOSED SENDER
- EXISTING STORMWATER
- PROPOSED STORMWATER
- STORMWATER KERB OUTLET

1145  
LOT NUMBER

1.05m  
DEPTH TO INVERT OF PRIVATE CONNECTION

NOTES:

- LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON CITY DATUM 1953.
- COORDINATES ARE IN TERMS OF NEW ZEALAND GEODETIC DATUM 2000 WELLINGTON CIRCUIT.
- ALL DIMENSIONS SHOWN ARE HORIZONTAL IN METRES.
- ALL MANHOLES ARE Ø1050 WITH WERBARGE HEAVY DUTY CLASS D HINGED LID UNLESS SPECIFIED OTHERWISE.
- ALL STORMWATER MAINS Ø225-Ø375 ARE BOSS PIPE UNLESS SPECIFIED OTHERWISE.
- ALL STORMWATER MAINS Ø4375 ARE ROBOU CLASS 2 UNLESS SPECIFIED OTHERWISE.
- ALL SUMP LEADS ARE Ø300 BOSS PIPE UNLESS SPECIFIED OTHERWISE.
- ALL STORMWATER LATERALS ARE Ø100 UPVC UNLESS SPECIFIED OTHERWISE.
- ALL STORMWATER KERB OUTLETS ARE GALVANISED IRON WITH GALVANISED KERB ADAPTOR.
- THE DEPTH TO INVERT OF PRIVATE CONNECTIONS IS BASED ON INFORMATION PROVIDED BY THE CONTRACTOR AND TAKEN FROM GROUND LEVEL AT TIME OF THE COMPLETION OF THE SUBDIVISION. CONNECTIONS TO BE LOCATED ON SITE PRIOR TO DETAILED DESIGN.



Cuttriss Consultants Limited  
Hutt Valley, Wellington, Kapiti Coast

**Cuttriss**  
Surveyors, Engineers, Planners.

Lower Hutt Branch - Level 2, Cuttriss House, 191 High Street, Lower Hutt  
Postal Address: +70 Box 30, 429, Lower Hutt 5040  
Telephone (0) 593 6245 Fax (0) 593 6248 Email [info@cuttriss.co.nz](mailto:info@cuttriss.co.nz)  
Paraparaumu Branch - 3/ Kapa Road, Paraparaumu  
Postal Address: +70 Box 866, Paraparaumu 5040  
Telephone (0) 593 5440 Fax (0) 593 5442 Email [kapiti@cuttriss.co.nz](mailto:kapiti@cuttriss.co.nz)

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JOB

AOTEA  
SUBDIVISION CIVIL WORKS  
STAGE 14

ASBUILT STORMWATER  
(SHEET 3 OF 3)

SCALE		SIZE	
1:500	(A3 1:1000)	A1	
NAME	DATE	DRAWING NUMBER	
FIELDWORK	-	27514ASBSW	
DESIGNED	RHH 08/17		
DRAWN	KML 10/18	SHEET 3 OF 3 SHEETS	
CHECKED	RHH 10/18	REVISION -	



AMENDMENT	NAME	DATE

## LEGEND:

	PROPOSED STAGE 14 BOUNDARIES
	FOOTWE BOUNDARIES
	EXISTING SENDER
	PROPOSED SENDER
	EXISTING STORMWATER
	PROPOSED STORMWATER
	STORMWATER KERB OUTLET

1145

LOT NUMBER

DEPTH TO INVERT OF PRIVATE CONNECTION

NOTES:

- LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON CITY DATUM 1953.
- COORDINATES ARE IN TERMS OF NEW ZEALAND GEODETIC DATUM 2000 WELLINGTON CIRCUIT.
- ALL DIMENSIONS SHOWN ARE HORIZONTAL IN METRES.
- ALL MANHOLES ARE Ø1050 WITH WERGOERGE HEAVY DUTY CLASS D HINGED LID UNLESS SPECIFIED OTHERWISE.
- ALL STORMWATER MAINS Ø225-Ø375 ARE BOSS PIPE UNLESS SPECIFIED OTHERWISE.
- ALL STORMWATER MAINS >Ø375 ARE RCBU CLASS 2 UNLESS SPECIFIED OTHERWISE.
- ALL SUMP LEADS ARE Ø300 BOSS PIPE UNLESS SPECIFIED OTHERWISE.
- ALL STORMWATER LATERALS ARE Ø100 UPVC UNLESS SPECIFIED OTHERWISE.
- ALL STORMWATER KERB OUTLETS ARE GALVANISED IRON WITH GALVANISED KERB ADAPTOR.
- THE DEPTH TO INVERT OF PRIVATE CONNECTIONS IS BASED ON INFORMATION PROVIDED BY THE CONTRACTOR AND TAKEN FROM GROUND LEVEL AT TIME OF COMPLETION OF THE SUBDIVISION. CONNECTIONS TO BE LOCATED ON SITE PRIOR TO DETAILED DESIGN.



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Hunt Valley, Wellington, Kapiti Coast

**Cuttriss**  
Surveyors, Engineers, Planners.

Lower Hutt Branch - Level 2, Cuttriss House, 191 High Street, Lower Hutt  
Postal Address: c/o Box 30, 123, Lower Hutt 5040  
Telephone: (04) 559 6245 Fax: (04) 559 6248 Email: info@cuttriss.co.nz  
Paraparaumu Branch - 31 Kauri Road, Paraparaumu  
Postal Address: c/o Box 886, Paraparaumu 5042  
Telephone: (04) 559 6245 Fax: (04) 559 6242 Email: info@cuttriss.co.nz

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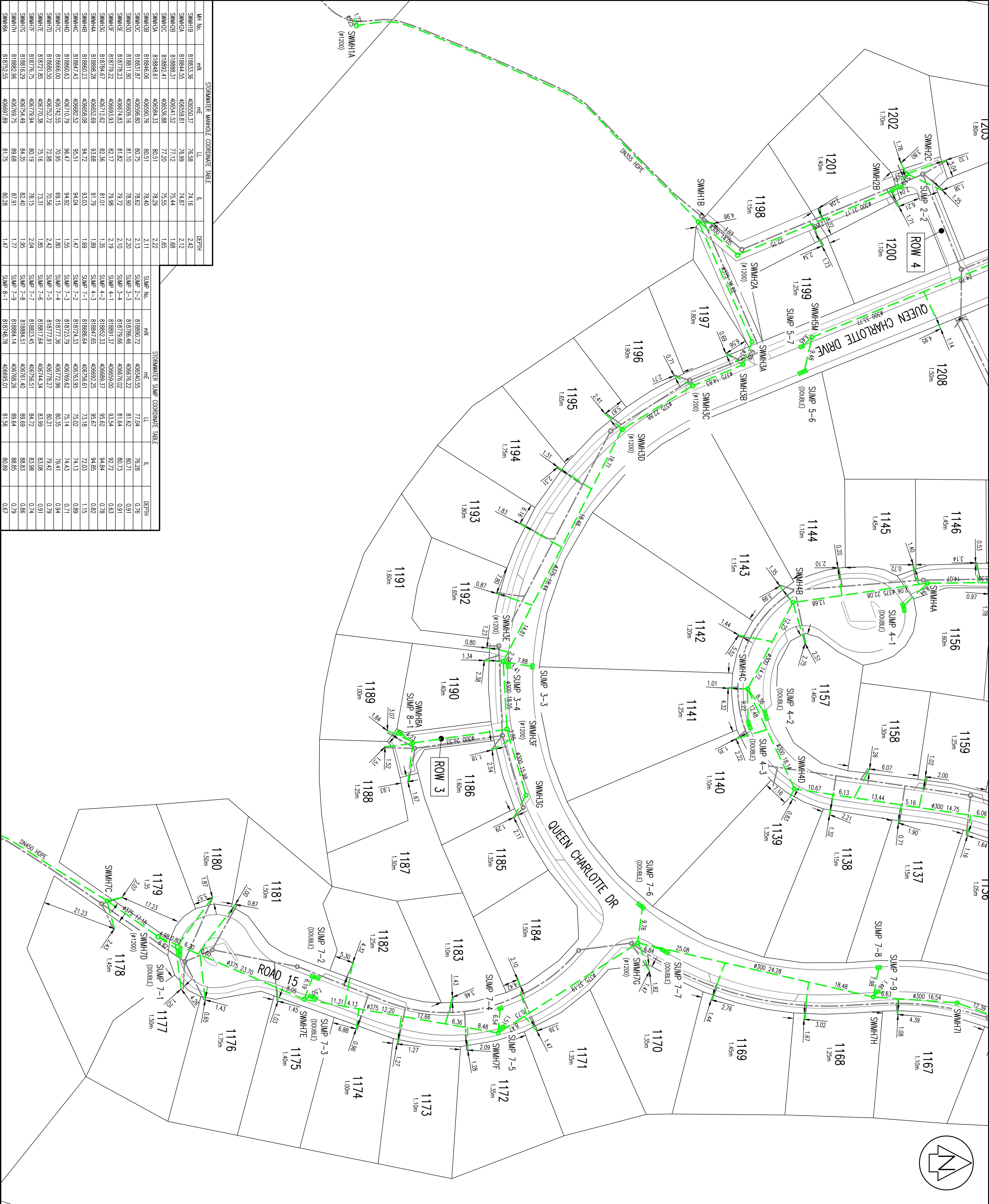
JOB

**AOTEA  
SUBDIVISION CIVIL WORKS  
STAGE 14**

**ASBUILT STORMWATER  
(SHEET 2 OF 3)**

SCALE	1:500	(A3 1:1000)	SIZE	A1
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FIELDWORK	NAME	DATE	DRAWING NUMBER	27514ASBSW
DESIGNED	RFH	08/17	SHEET	2 OF 3 SHEETS
DRAWN	KML	10/18	REVISION	—
CHECKED	RFH	10/18		



STORMWATER MANHOLE COORDINATE TABLE

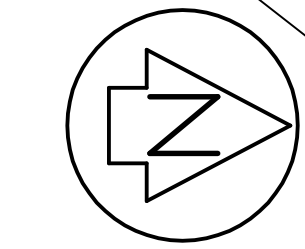
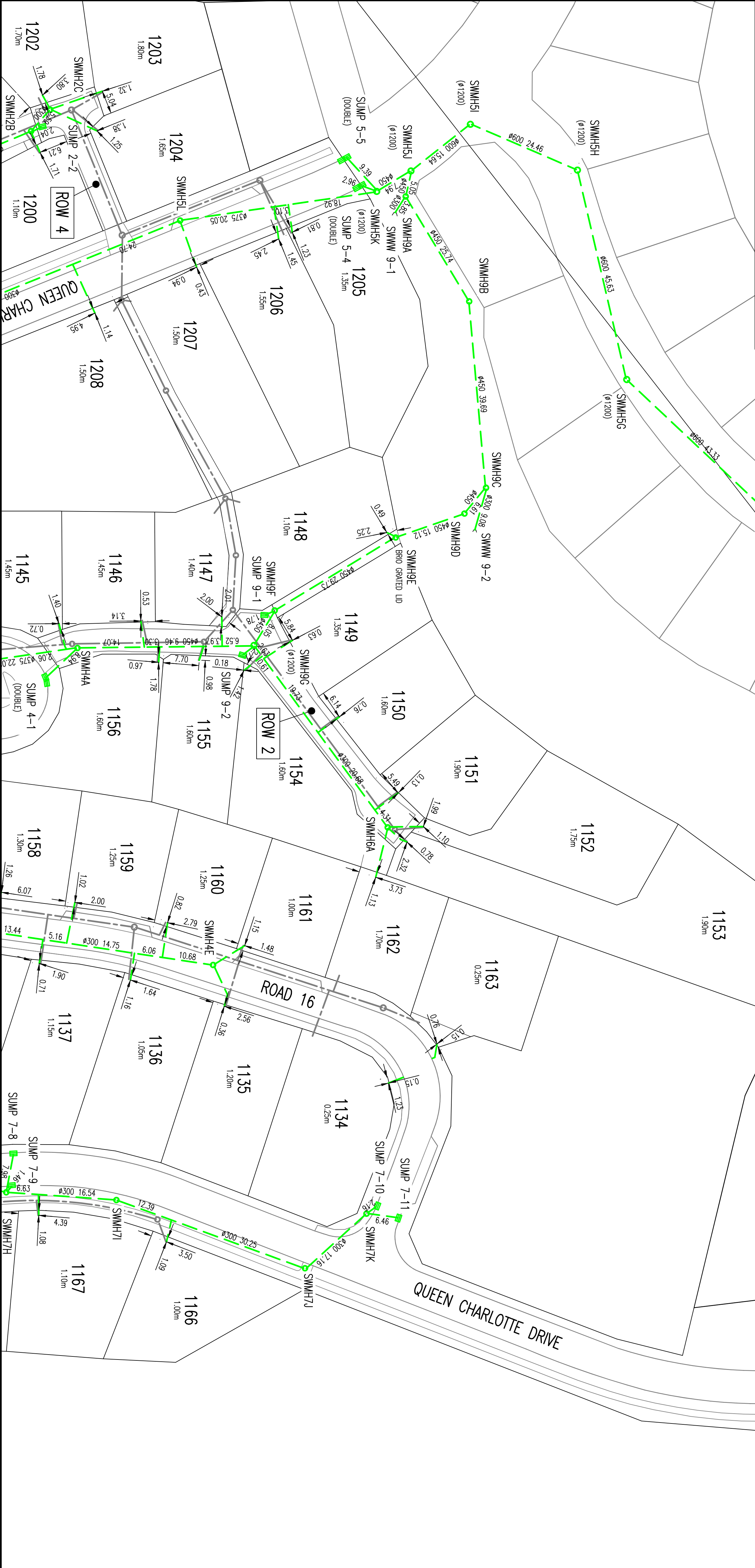
MH No.	mN	mE	LL	LL	DEPTH
SMH1B	81883.36	406550.37	76.98	74.16	2.42
SMH2A	81884.455	406559.81	76.99	74.87	2.12
SMH2B	81888.31	406541.52	77.12	75.44	1.88
SMH2C	818892.41	406536.88	77.20	75.55	1.85
SMH3A	81884.61	406584.33	80.51	78.29	2.22
SMH3B	81884.06	406590.76	80.51	78.40	2.11
SMH3C	818831.87	406596.80	80.75	78.62	2.13
SMH3D	81881.90	406609.16	81.02	78.90	2.20
SMH3E	818718.23	406614.83	81.82	79.72	2.10
SMH3F	818719.22	406693.93	82.17	79.98	2.19
SMH3G	818784.67	406712.62	82.36	81.01	1.35
SMH4A	81888.28	406652.69	93.88	91.79	1.89
SMH4B	81888.23	406652.69	94.72	93.03	1.89
SMH4C	818847.43	406682.52	95.51	94.04	1.47
SMH4D	81886.63	406710.79	96.47	94.92	1.55
SMH7C	81886.60	406742.55	70.55	68.15	1.80
SMH7D	81886.30	406752.72	72.98	70.58	2.42
SMH7E	81871.85	406703.38	75.16	73.31	1.85
SMH7F	818816.29	406754.49	84.35	78.15	2.04
SMH7G	818882.96	406789.75	89.88	82.40	1.95
SMH8A	81875.55	406697.89	81.75	80.28	1.47

STORMWATER SUMP COORDINATE TABLE

SUMP No.	mN	mE	LL	LL	DEPTH
SUMP 2-2	818880.72	406545.55	77.04	76.28	0.76
SUMP 3-3	818786.46	406761.22	81.82	80.71	0.91
SUMP 3-4	818779.66	406761.02	81.84	80.73	0.91
SUMP 4-1	818891.37	406693.00	93.54	92.72	0.63
SUMP 4-2	818882.33	406889.37	95.62	94.84	0.78
SUMP 4-3	818897.65	406892.25	95.67	94.85	0.82
SUMP 7-1	818866.64	406756.61	73.18	72.03	1.15
SUMP 7-2	818724.33	406763.55	75.02	74.13	0.89
SUMP 7-3	818723.79	406769.62	75.14	74.43	0.71
SUMP 7-4	818773.36	406772.96	80.35	79.41	0.94
SUMP 7-5	818773.91	406782.7	80.21	79.42	0.79
SUMP 7-6	818871.84	406744.34	83.99	83.08	0.91
SUMP 7-7	818823.45	406756.51	84.72	83.98	0.74
SUMP 7-8	818884.51	406761.40	89.69	88.83	0.86
SUMP 7-9	818884.14	406768.26	89.64	88.85	0.79
SUMP 8-1	818748.78	406695.01	81.56	80.89	0.67



STORMWATER MANHOLE COORDINATE TABLE					
MH No.	mN	mE	LL	LL	DEPTH
SMWH2B	818888.31	406541.52	77.12	75.44	1.68
SMWH2C	818892.41	406536.88	77.20	75.55	1.65
SMWH4A	818898.28	406562.69	93.68	91.79	1.89
SMWH4E	818927.43	406720.86	98.39	96.89	1.50
SMWH8	819136.03	406867.39	-	98.27	-
SMWH8C	819136.63	406860.69	71.91	70.50	1.41
SMWH8D	819104.63	406842.77	-	72.28	-
SMWH8E	819091.00	406846.52	-	72.63	-
SMWH8F	819048.35	406625.03	-	73.17	-
SMWH8H	819016.36	406594.93	-	73.69	-
SMWH8I	819005.76	406549.89	-	74.17	-
SMWH8J	818982.75	406540.03	-	74.72	-
SMWH8L	818969.48	406550.07	76.75	75.15	1.60
SMWH8K	818962.61	406554.46	76.79	75.36	1.23
SMWH8L	818920.35	406560.74	77.95	76.11	1.84
SMWH8A	818964.97	406691.26	94.99	93.08	1.91
SMWH7H	818882.96	406769.75	89.68	87.91	1.77
SMWH7I	818906.65	406771.42	92.21	90.89	1.32
SMWH7J	818947.19	406798.09	94.82	93.24	1.58
SMWH7K	818960.41	406774.35	95.12	93.61	1.51
SMWH8A	818968.84	406555.56	77.75	75.63	1.72
SMWH8	818982.49	406578.13	80.29	78.64	1.65
SMWH8C	818986.11	406816.22	84.60	82.94	1.66
SMWH9C	818981.47	406823.77	84.95	83.53	1.42
SMWH9E	818966.88	406828.91	92.06	90.53	1.53
SMWH9F	818940.68	406844.60	92.98	91.05	1.93
SMWH9G	818936.22	406852.13	93.39	91.25	2.14
SMWH10A	819063.82	406803.17	87.41	85.67	1.74
STORMWATER SLUMP COORDINATE TABLE					
SLUMP No.	mN	mE	LL	LL	DEPTH
SLUMP 2-2	818890.72	406540.55	77.04	76.28	0.76
SLUMP 4-1	818891.37	406859.00	93.54	92.72	0.82
SLUMP 5-4	818959.42	406553.14	76.83	76.05	0.78
SLUMP 5-5	818956.18	406547.16	76.84	75.91	0.93
SLUMP 7-8	818894.51	406761.40	89.69	88.83	0.86
SLUMP 7-9	818884.14	406768.26	89.64	88.86	0.79
SLUMP 7-10	818962.74	406772.88	95.06	94.32	0.74
SLUMP 7-11	818967.28	406775.30	95.02	94.12	0.90
SMWW 9-1	818966.59	406559.03	-	77.33	-
SMWW 9-2	818963.71	406827.28	-	84.55	-
SLUMP 9-1	818938.48	406845.38	93.02	92.16	0.86
SLUMP 9-2	818933.77	406854.21	93.23	92.44	0.79
SMWW 10-1	819062.25	406801.48	-	87.12	-
SLUMP 10-1	819061.67	406813.83	87.49	86.56	0.93
SLUMP 10-2	819060.88	406807.12	87.46	86.52	0.94

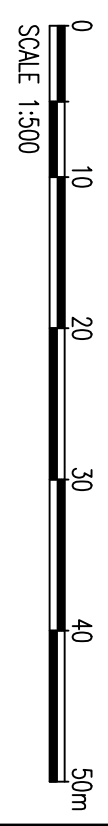


AMENDMENT	NAME	DATE

LEGEND:	
	PROPOSED STAGE 14 BOUNDARIES
	FUTURE BOUNDARIES
	EXISTING SEWER
	PROPOSED SINKER
	EXISTING STORMWATER
	PROPOSED STORMWATER
	STORMWATER KERB OUTLET

**1145** LOT NUMBER  
DEPTH TO INVERT OF PRIVATE CONNECTION

- NOTES:
- LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON CITY DATUM 1953.
  - COORDINATES ARE IN TERMS OF NEW ZEALAND GEODETIC DATUM 2000 WELLINGTON CIRCUIT.
  - ALL DIMENSIONS SHOWN ARE HORIZONTAL IN METRES.
  - ALL MANHOLES ARE #1050 WITH WEREBORGE HEAVY DUTY CLASS D HINGED LID UNLESS SPECIFIED OTHERWISE.
  - ALL STORMWATER MAINS #425-#375 ARE BOSS PIPE UNLESS SPECIFIED OTHERWISE.
  - ALL STORMWATER MAINS #375 ARE RORRI CLASS 2 UNLESS SPECIFIED OTHERWISE.
  - ALL SLUMP LEADS ARE #300 BOSS PIPE UNLESS SPECIFIED OTHERWISE.
  - ALL STORMWATER LATERALS ARE #100 uPVC UNLESS SPECIFIED OTHERWISE.
  - ALL STORMWATER KERB OUTLETS ARE GALVANISED IRON WITH GALVANISED KERB ADAPTOR.
  - THE DEPTH TO INVERT OF PRIVATE CONNECTIONS IS BASED ON INFORMATION PROVIDED BY THE CONTRACTOR AND TAKEN FROM GROUND LEVEL AT TIME OF COMPLETION OF THE SUBDIVISION. CONNECTIONS TO BE LOCATED ON SITE PRIOR TO DETAILED DESIGN.



**Cuttriss**  
Surveyors, Engineers, Planners.  
Lower Hutt Branch - Level 2, Cuttriss House, 191 High Street, Lower Hutt  
Postal Address - PO Box 30, 428, Lower Hutt 5040  
Telephone (04) 569 6245 Fax (04) 569 6248 Email [info@cuttriss.co.nz](mailto:info@cuttriss.co.nz)  
Paraparaumu Branch - 31 Kapa Road, Paraparaumu  
Postal Address - PO Box 866, Paraparaumu 5042  
Telephone (04) 569 5460 Fax (04) 569 5462 Email [info@cuttriss.co.nz](mailto:info@cuttriss.co.nz)

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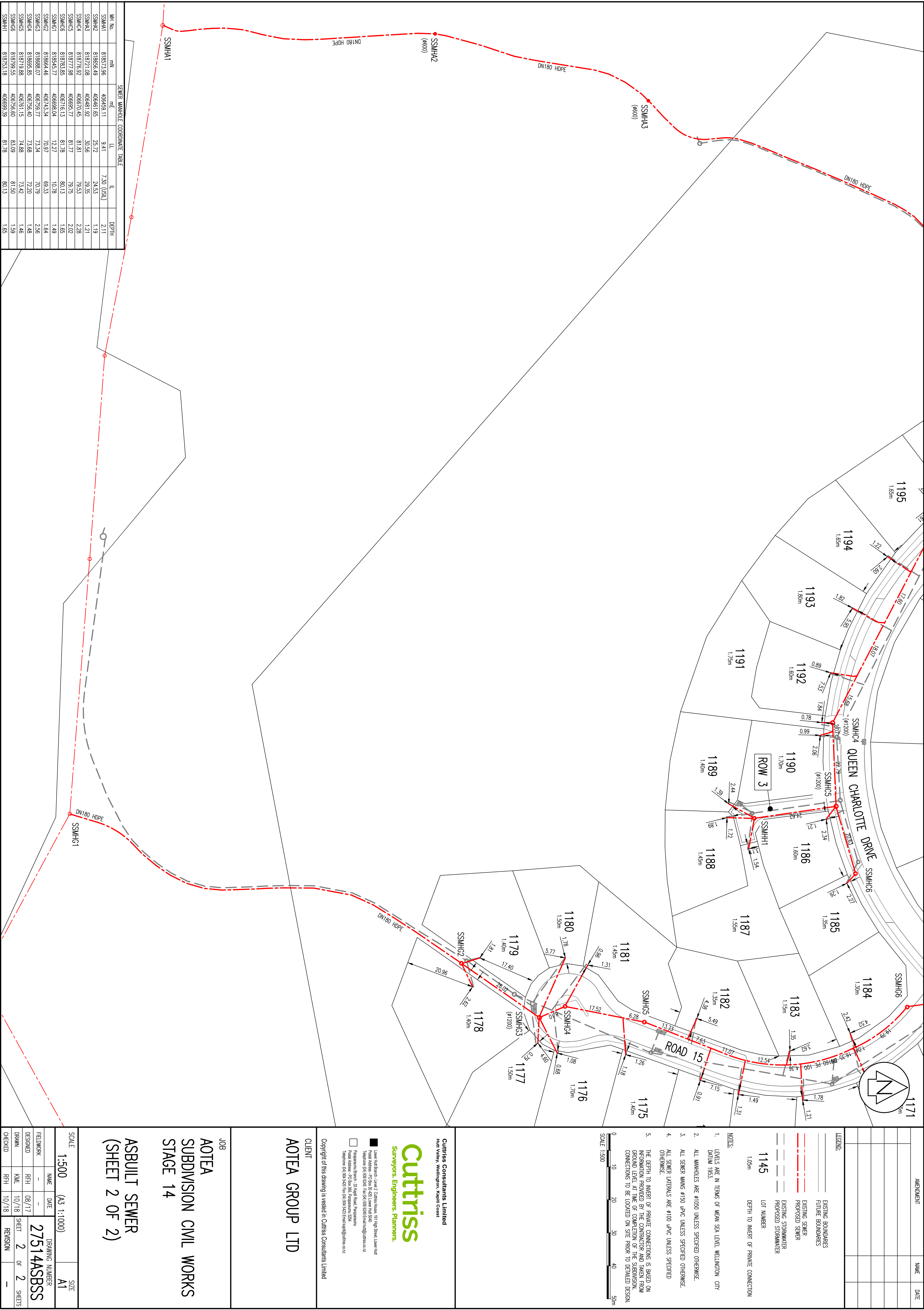
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JOB  
**AOTEA  
SUBDIVISION CIVIL WORKS  
STAGE 14**

**ASBUILT STORMWATER  
(SHEET 1 OF 3)**

SCALE		SIZE	
1:500	(A3 1:1000)	A1	
NAME	DATE	DRAWING NUMBER	
FIELDWORK	-	<b>27514ASBSW</b>	
DESIGNED	RHH 08/17		
DRAWN	KHL 10/18		
CHECKED	RHH 10/18	SHEET	1 OF 3 SHEETS
		REVISION	-





AMENDMENT	NAME	DATE

LEGEND:
EXISTING BOUNDARIES
FUTURE BOUNDARIES
EXISTING SEWER
PROPOSED SEWER
EXISTING STORMWATER
PROPOSED STORMWATER
LOT NUMBER
1145
DEPTH TO INVERT OF PRIVATE CONNECTION
1.05m

- NOTES:
- LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON CITY DATUM 1953.
  - ALL MANHOLES ARE Ø1000 UNLESS SPECIFIED OTHERWISE.
  - ALL SEWER MAINS ARE Ø150 UPVC UNLESS SPECIFIED OTHERWISE.
  - ALL SEWER LATERALS ARE Ø100 UPVC UNLESS SPECIFIED OTHERWISE.
  - THE DEPTH TO INVERT OF PRIVATE CONNECTIONS IS BASED ON INFORMATION PROVIDED BY THE CONTRACTOR AND TAKEN FROM GROUND LEVEL AT TIME OF COMPLETION OF THE SUBMISSION. CONNECTIONS TO BE LOOKED ON SITE PRIOR TO DETAILED DESIGN.
- SCALE 1:300
- 0 10 20 30 40 50m

**Cuttriss Consultants Limited**  
Hunt Valley, Wellington, Kapiti Coast

**Surveyors, Engineers, Planners.**

Lower Hutt Branch - Level 2, Cuttriss House, 191 High Street, Lower Hutt  
Postal Address: +70 Box 30, 428, Lower Hutt 5040  
Telephone: (04) 559 6245 Fax: (04) 559 6248 Email: info@cuttriss.co.nz  
Paraparaumu Branch - 33 Kaiti Road, Paraparaumu  
Postal Address: +70 Box 886, Paraparaumu 5040  
Telephone: (04) 559 6249 Fax: (04) 559 6242 Email: info@cuttriss.co.nz

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**JOB**

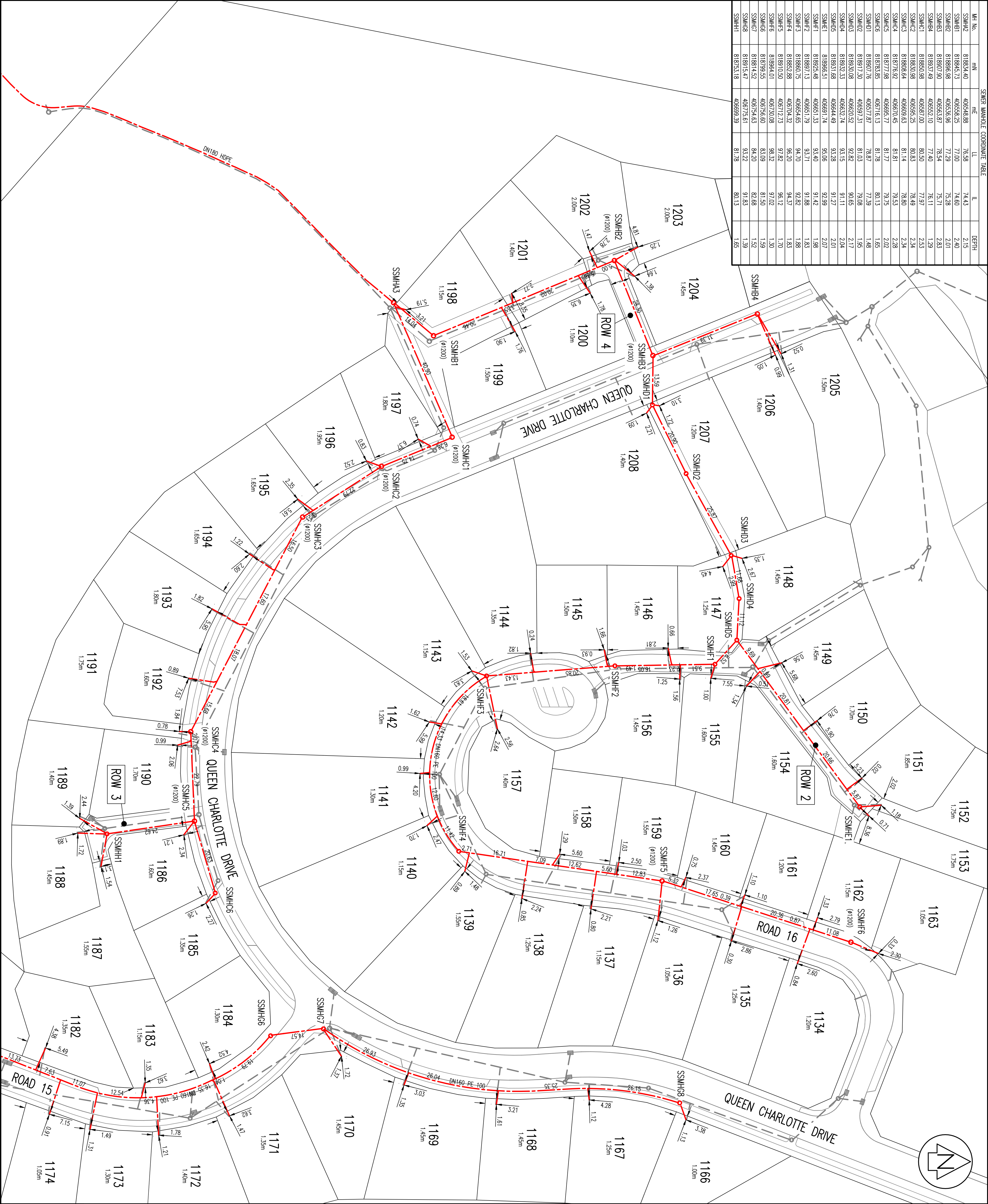
**AOTEA  
SUBDIVISION CIVIL WORKS  
STAGE 14**

**ASBUILT SEWER  
(SHEET 2 OF 2)**

SCALE	1:500 (A3 1:1000)	SIZE	A1
NAME	DATE	DRAWING NUMBER	27514ASBSS
DESIGNED	RHH 08/17	SHEET	2 OF 2
CHECKED	RHH 10/18	REVISION	-



SEWER MANHOLE COORDINATE TABLE				
MH No.	mN	mE	LL	DEPTH
SSMH2	818834.40	406546.88	76.58	2.15
SSMH1	818845.73	406556.25	77.00	2.40
SSMH2	818865.48	406536.96	77.29	2.01
SSMH3	818907.80	406563.87	78.54	2.83
SSMH4	818937.49	406562.10	77.40	1.71
SSMH2	818960.98	406597.00	80.83	2.53
SSMH2	818980.98	406595.25	80.83	2.34
SSMH3	818980.64	406609.63	81.14	2.28
SSMH3	818976.92	406670.45	81.81	2.28
SSMH5	818977.98	406699.77	81.77	2.02
SSMH6	818978.85	406716.13	81.78	1.65
SSMH1	818980.76	406727.87	78.87	1.39
SSMH2	818971.30	406597.31	81.03	1.95
SSMH3	818930.08	406820.32	92.82	2.17
SSMH4	818932.33	406844.49	93.15	2.04
SSMH5	818931.68	406691.74	93.28	2.01
SSMH1	818966.51	406691.74	95.06	2.07
SSMH2	818925.48	406651.33	93.40	1.98
SSMH2	818897.13	406651.79	93.71	1.83
SSMH3	818860.25	406654.65	94.70	1.83
SSMH4	818862.88	406704.32	96.20	1.83
SSMH5	818910.50	406712.73	97.82	1.70
SSMH6	818964.01	406730.08	98.32	1.30
SSMH6	818939.35	406756.60	83.09	1.39
SSMH7	818814.52	406754.63	84.20	1.32
SSMH8	818915.47	406775.61	93.22	1.39
SSMH1	818753.18	406899.39	81.78	1.65



AMENDMENT	NAME	DATE

LEGEND:	
	EXISTING BOUNDARIES
	POTENTIAL BOUNDARIES
	EXISTING SEWER
	PROPOSED SEWER
	EXISTING STORMWATER
	PROPOSED STORMWATER
	LOT NUMBER
	DEPTH TO INVERT OF PRIVATE CONNECTION

- NOTES:
- LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON CITY DATUM 1953.
  - ALL MANHOLES ARE Ø1000 UNLESS SPECIFIED OTHERWISE.
  - ALL SEWER MAINS Ø150 Ø100 UNLESS SPECIFIED OTHERWISE.
  - ALL SEWER LATERALS ARE Ø100 UNLESS SPECIFIED OTHERWISE.
  - THE DEPTH TO INVERT OF PRIVATE CONNECTIONS IS BASED ON INFORMATION PROVIDED BY THE CONTRACTOR AND TAKEN FROM GROUND LEVEL AT TIME OF COMPLETION OF THE SUBMISSION. CONNECTIONS TO BE LOOKED ON SITE PRIOR TO DETAILED DESIGN.



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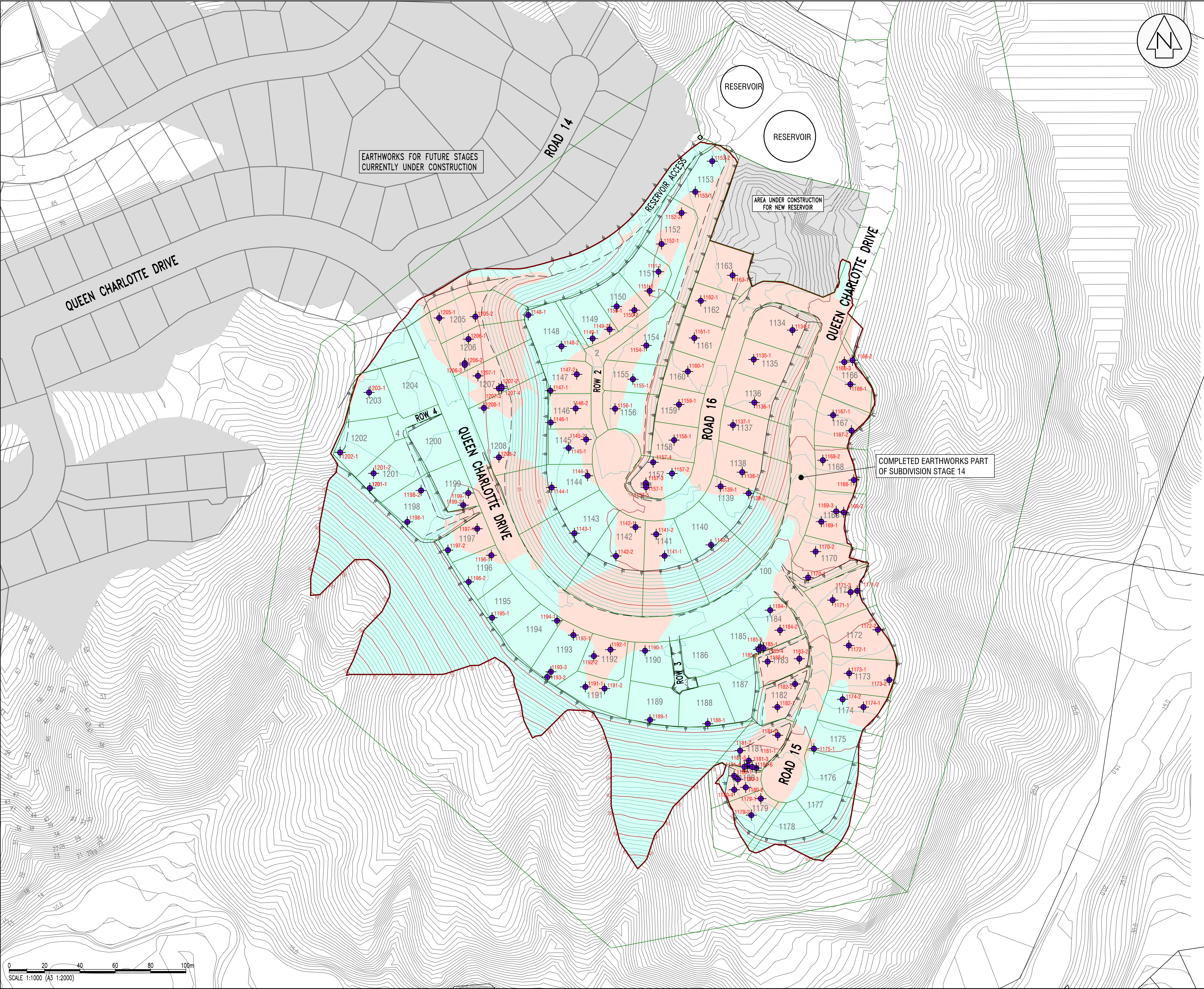
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SUBDIVISION CIVIL WORKS  
STAGE 14

SCALE		SIZE	
1:500	(A3 1:1000)	A1	
NAME	DATE	DRAWING NUMBER	
DESIGNED	08/17	27514ASBSS	
DRAWN	10/18	SHEET 1 OF 2	
CHECKED	10/18	REVISION	





AMENDMENT		NAME	DATE
A	SHEET 4 – SET BACK PLAN ADDED	RFH	10/18

- NOTES:
- LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON CITY DATUM 1953.
  - CONTOURS ARE SHOWN AT 1.0m INTERVALS.
  - REFER TONKIN AND TAYLOR LTD 'AOTEA STAGE 14.1 EARTHWORKS AND BUILDING SITE CERTIFICATION REPORT DATED SEPTEMBER 2018.

- LEGEND:
- STAGE 14 BOUNDARIES
  - FUTURE BOUNDARY
  - TOP OF BANK
  - BASE OF BANK
  - EXTENT OF STAGE 14 EARTHWORKS
  - EXISTING CONTOUR (1m)
  - ASBUILT CONTOUR MAJOR (5m)
  - ASBUILT CONTOUR MINOR (1m)
  - SCALA LOCATION AND NUMBER
  - CUT
  - FILL

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Hutt Valley, Wellington, Kapiti Coast

**Cuttriss**  
Surveyors. Engineers. Planners.

Lower Hutt Branch - Level 3, Crest House, 92 Queens Drive, Lower Hutt  
Postal Address - PO Box 30 429, Lower Hutt 5040  
Telephone (04) 939 9245 Fax (04) 939 9249 Email hutt@cuttriss.co.nz

Paraparaumu Branch - 33 Kapiti Road, Paraparaumu  
Postal Address - PO Box 386, Paraparaumu 5254  
Telephone (04) 934 5420 Fax (04) 934 5423 Email kapiti@cuttriss.co.nz

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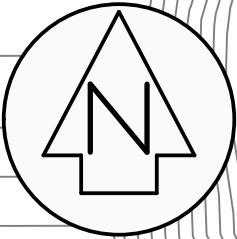
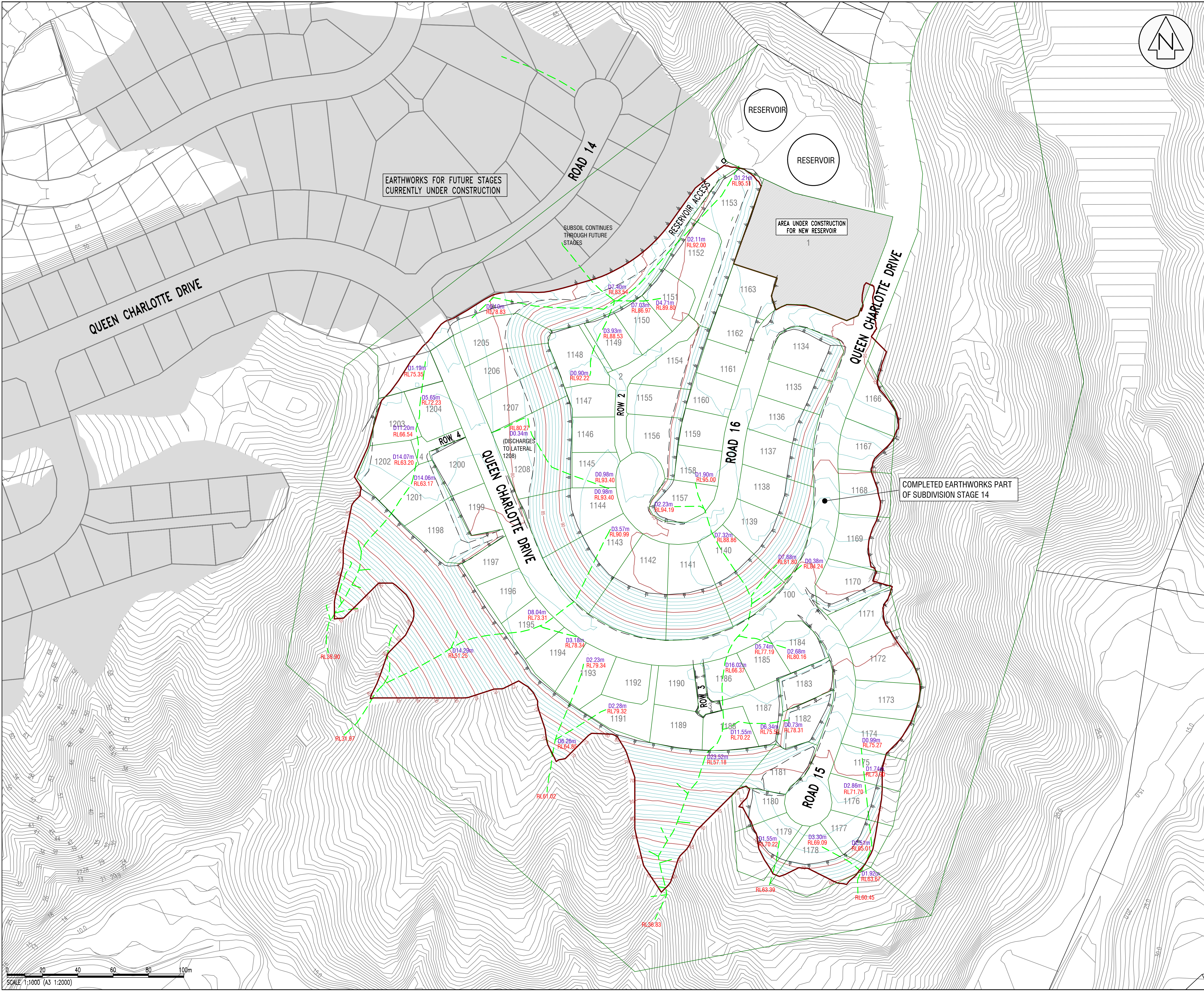
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SUBDIVISION STAGE 14  
EARTHWORKS ASBUILT**

**CUT FILL PLAN &  
SCALA TEST LOCATIONS**

SCALE			SIZE	
1:1000 (A3 1:2000)			A1	
	NAME	DATE	DRAWING NUMBER	
FIELDWORK	CR	08/18	27514ASBE	
DESIGNED	—	—		
DRAWN	EMJ	09/18		
CHECKED	JHM	09/18		
			SHEET 1 OF 4 SHEETS	
			REVISION	A





AMENDMENT		NAME	DATE
A	SHEET 4 – SETBACK PLAN ADDED	RFH	10/18

- NOTES:
- LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON CITY DATUM 1953.
  - CONTOURS ARE SHOWN AT 1m INTERVALS.
  - REFER TONKIN AND TAYLOR LTD 'AOTEA STAGE 14.1 EARTHWORKS AND BUILDING SITE CERTIFICATION REPORT DATED SEPTEMBER 2018.

LEGEND:	
	STAGE 14 BOUNDARIES
	FUTURE BOUNDARIES
	TOP OF BANK
	BASE OF BANK
	EXISTING CONTOUR
	ASBUILT CONTOUR MAJOR (5m)
	ASBUILT CONTOUR MINOR (1m)
	EXTENT OF STAGE 14 EARTHWORKS
	Ø100 SUBSOIL DRAIN
	RL81.80 REDUCED LEVEL OF SUBSOIL
	D3.81m SHALLOWEST DEPTH IN LOT (m)

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Lower Hutt Branch - Level 3, Crest House, 92 Queens Drive, Lower Hutt  
Postal Address - PO Box 30 429, Lower Hutt 5040  
Telephone (04) 939 9245 Fax (04) 939 9249 Email hutt@cuttriss.co.nz

Paraparaumu Branch - 33 Kapiti Road, Paraparaumu  
Postal Address - PO Box 386, Paraparaumu 5254  
Telephone (04) 904 5420 Fax (04) 904 5423 Email kapiti@cuttriss.co.nz

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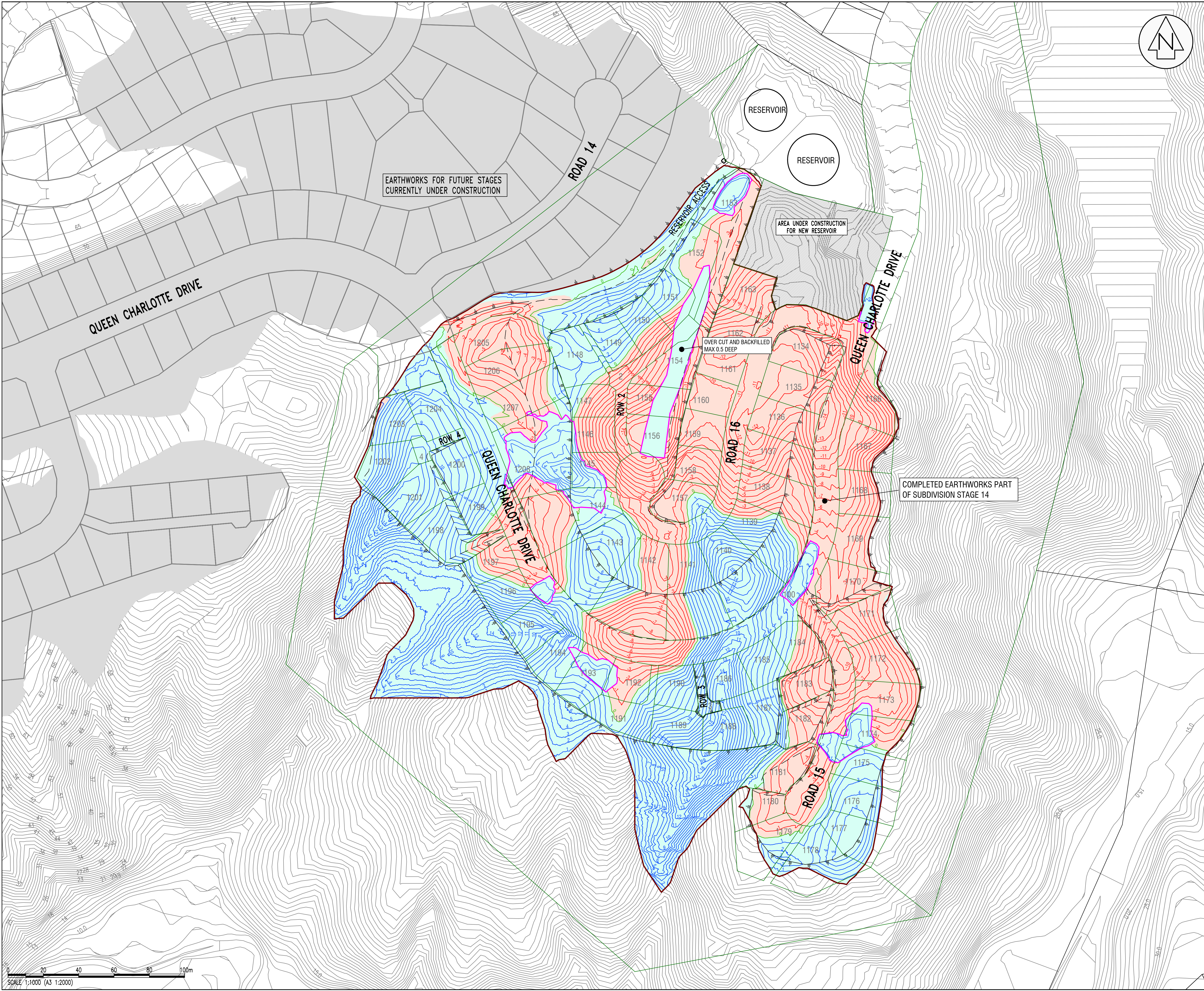
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**AOTEA  
SUBDIVISION STAGE 14  
EARTHWORKS ASBUILT**

**SUBSOILS**

SCALE			SIZE	
1:1000 (A3 1:2000)			A1	
	NAME	DATE	DRAWING NUMBER	
FIELDWORK	CR	08/18	27514ASBE	
DESIGNED	—	—		
DRAWN	EMJ	09/18	SHEET 2	OF 4 SHEETS
CHECKED	JHM	09/18	REVISION	A





AMENDMENT		NAME	DATE
A	SHEET 4 - SETBACK PLAN ADDED	RFH	10/18

- NOTES:
- LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON CITY DATUM 1953.
  - CONTOURS ARE SHOWN AT 1.0m INTERVALS.
  - REFER TONKIN AND TAYLOR LTD /AOTEA STAGE 14.1 EARTHWORKS AND BUILDING SITE CERTIFICATION REPORT DATED SEPTEMBER 2018.

LEGEND:

- STAGE 14 BOUNDARIES
- FUTURE BOUNDARY
- TOP OF BANK
- BASE OF BANK
- DEPTH CONTOUR CUT (1m)
- DEPTH CONTOUR FILL (1m)
- UNSUITABLE REMOVED THEN BACKFILLED
- CUT
- FILL
- BUILDING SETBACK AREA

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**Cuttriss**  
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Lower Hutt Branch - Level 3, Crest House, 92 Queens Drive, Lower Hutt 5040  
Postal Address - PO Box 30 429, Lower Hutt 5040  
Telephone (04) 939 9245 Fax (04) 939 9249 Email hutt@cuttriss.co.nz

Paraparaumu Branch - 33 Kapiti Road, Paraparaumu  
Postal Address - PO Box 386, Paraparaumu 5254  
Telephone (04) 934 5420 Fax (04) 934 5423 Email kapiti@cuttriss.co.nz

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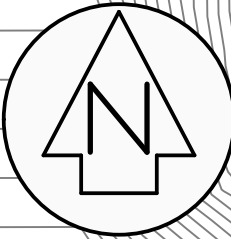
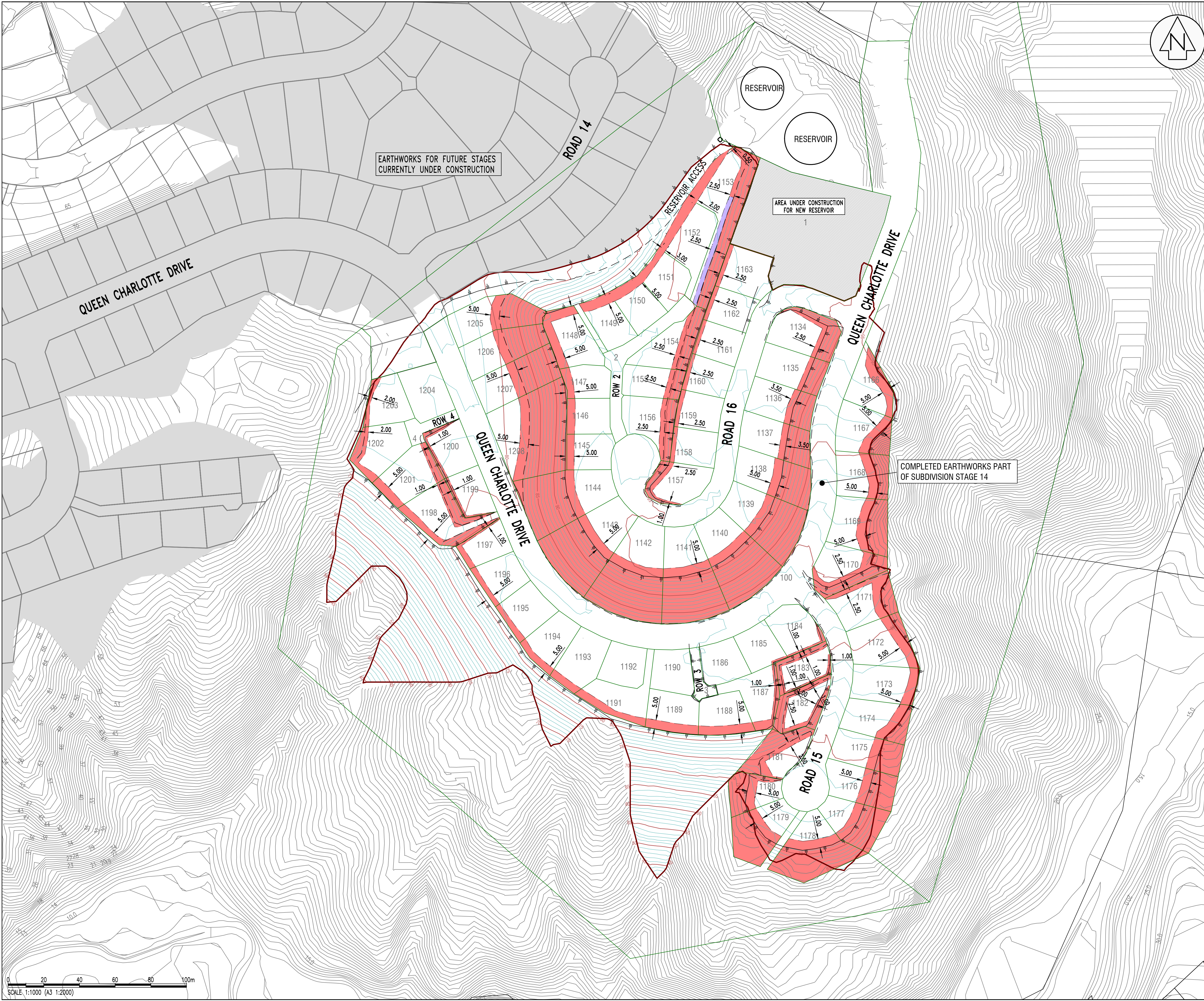
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SUBDIVISION STAGE 14  
EARTHWORKS ASBUILT**

**DEPTH CONTOURS**

SCALE		SIZE	
1:1000 (A3 1:2000)		A1	
NAME	DATE	DRAWING NUMBER	
FIELDWORK	CR 08/18	27514ASBE	
DESIGNED	-	SHEET 3 OF 4 SHEETS	
DRAWN	EMJ 09/18	REVISION	
CHECKED	JHM 09/18	A	





AMENDMENT		NAME	DATE
A	SHEET 4 – SET BACK PLAN ADDED	RFH	10/18

- NOTES:
- LEVELS ARE IN TERMS OF MEAN SEA LEVEL WELLINGTON CITY DATUM 1953.
  - CONTOURS ARE SHOWN AT 1.0m INTERVALS.
  - REFER TONKIN AND TAYLOR LTD /AOTEA STAGE 14.1 EARTHWORKS AND BUILDING SITE CERTIFICATION REPORT DATED SEPTEMBER 2018.

- LEGEND:
- STAGE 14 BOUNDARIES
  - FUTURE BOUNDARY
  - TOP OF BANK
  - BASE OF BANK
  - PROPOSED CONSENT NOTICE AREA RESTRICTIONS ON BUILDING
  - PROPOSED CONSENT NOTICE AREA RESTRICTIONS ON BUILDING STRUCTURES ONLY (NOT DRIVEWAYS)

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Surveyors. Engineers. Planners.

■ Lower Hutt Branch - Level 3, Crest House, 92 Queens Drive, Lower Hutt  
Postal Address - PO Box 30 429, Lower Hutt 5040  
Telephone (04) 939 9245 Fax (04) 939 9249 Email hutt@cuttriss.co.nz

□ Paraparaumu Branch - 33 Kapiti Road, Paraparaumu  
Postal Address - PO Box 386, Paraparaumu 5254  
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SUBDIVISION STAGE 14  
EARTHWORKS ASBUILT**

**BUILDING SETBACKS**

SCALE			SIZE	
1:1000 (A3 1:2000)			A1	
FIELDWORK	NAME	DATE	DRAWING NUMBER	
DESIGNED	CR	08/18	27514ASBE	
DRAWN	EMJ	09/18	SHEET 4 OF 4 SHEETS	
CHECKED	JHM	09/18	REVISION	A