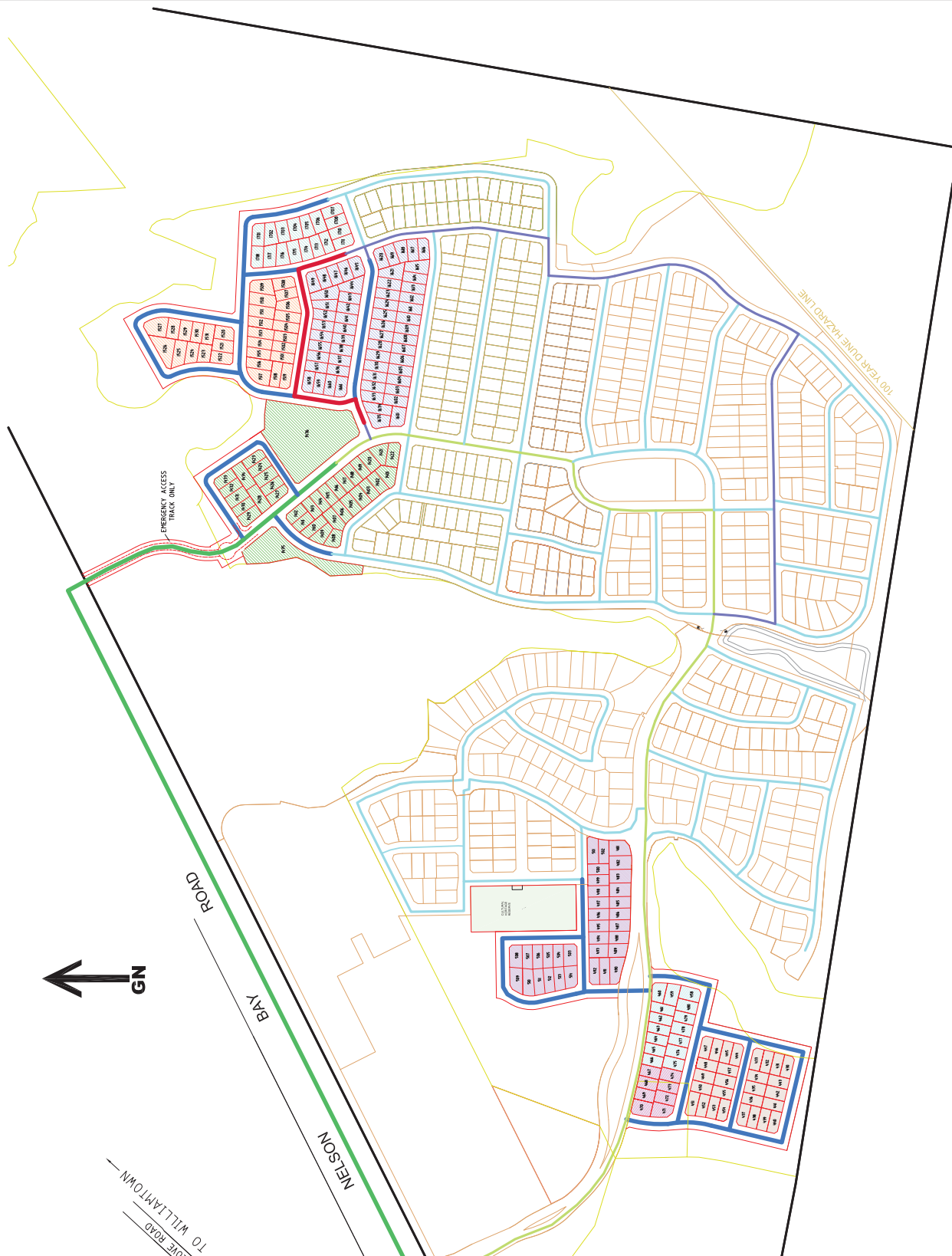


LEGEND

~	EXISTING 100mm WATERMAIN
~	EXISTING 150mm WATERMAIN
~	EXISTING 200mm WATERMAIN
~	EXISTING 250mm WATERMAIN
~	EXISTING 300mm WATERMAIN
~	PROPOSED 100mm WATERMAIN
~	PROPOSED 150mm WATERMAIN
~	PROPOSED 200mm WATERMAIN



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SCALE	1:4000
REVISION DATE	01/11/2016
PLOT DATE	01/11/2016
DA NUMBER	
DRAMV/GRD BY	JMC / AED
CC NUMBER	

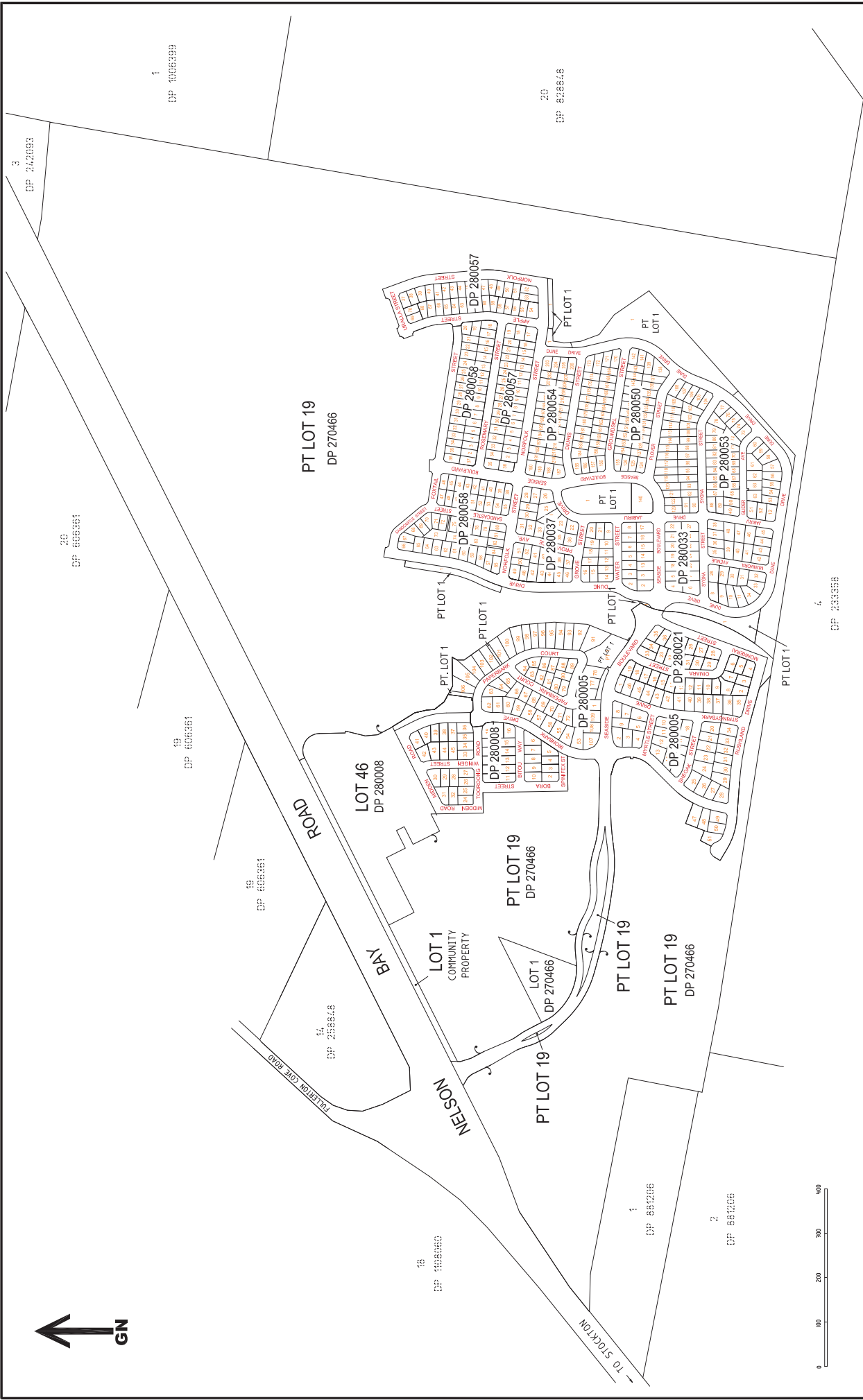
DRAWING TITLE	INDICATIVE WATERMAIN LAYOUT REV-L
DEVELOPMENT	PROJECT PLAN FERN BAY SEASIDE VILLAGE NELSON BAY ROAD, FERN BAY
CLIENT	RAWSON COMMUNITIES PTY LIMITED

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 ATFP NORTH POINT SURVEYS TRUST AREA 22 041 762 075
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 PO Box 3781 Nelson Bay NSW 2315
 Phone: 02 4984 2606
 Email: admin@northpointsurveys.com.au

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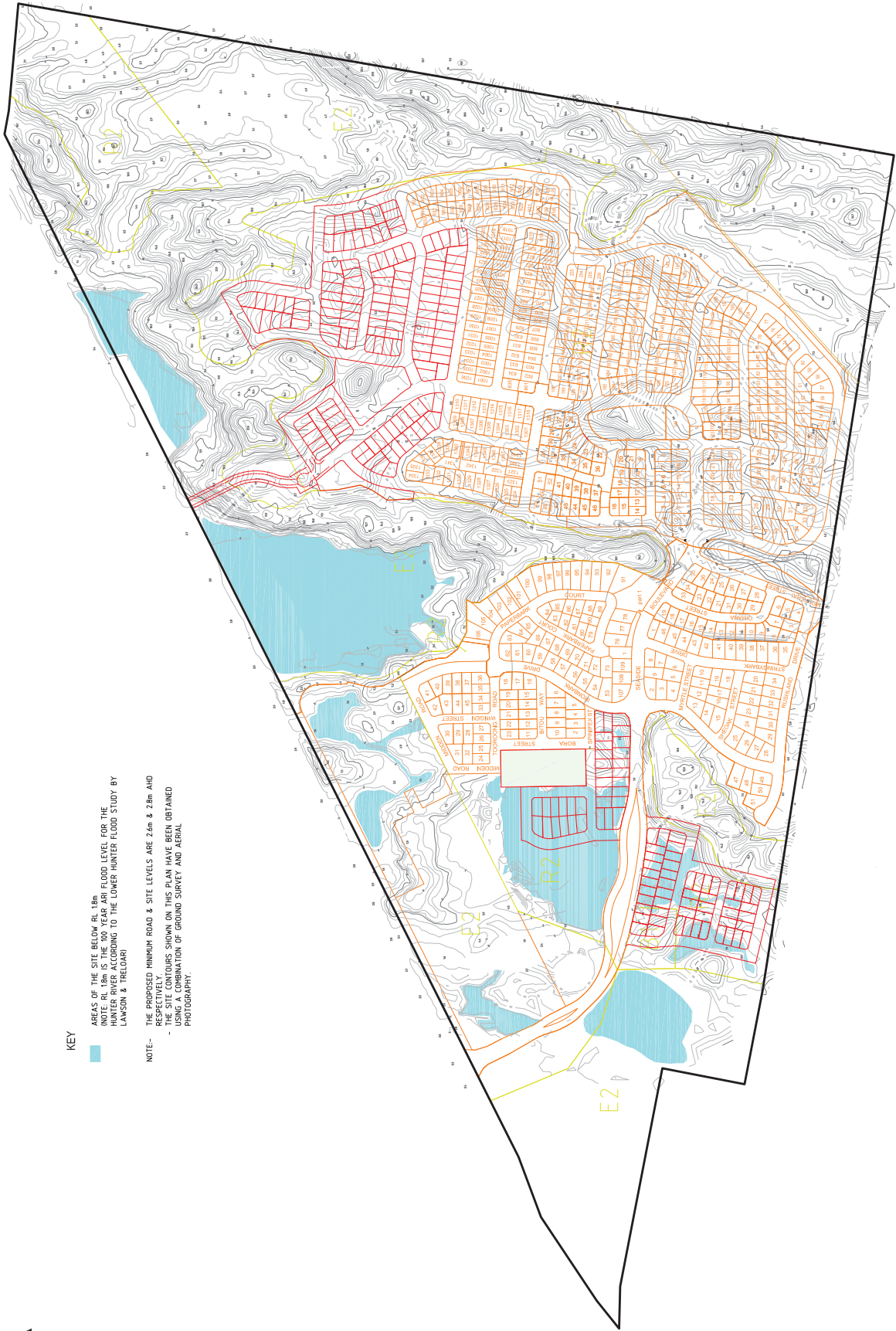
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<p>SCALE 1: 5000</p>		<p>DEVELOPMENT PROJECT PLAN FERN BAY SEASIDE VILLAGE NELSON BAY ROAD, FERN BAY</p>	
<p>REVISION DATE 01/11/2016</p>		<p>CLIENT RAWSON COMMUNITIES PTY LIMITED</p>	
<p>PLOT DATE 01/11/2016</p>		<p>DRAWING BY JMC / AED</p>	
<p>DA NUMBER</p>		<p>CC NUMBER</p>	

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KEY

AREAS OF THE SITE BELOW RL 1.8m
 1.8m
 HUNTER RIVER ACCORDING TO THE LOWER HUNTER FLOOD STUDY BY
 LAWSON & TRELQARI


NOTE:- THE PROPOSED MINIMUM ROAD & SITE LEVELS ARE 2.6m & 2.8m AHD
 RESPECTIVELY.
 - THE SITE CONTOURS SHOWN ON THIS PLAN HAVE BEEN OBTAINED
 BY INTERPOLATION OF GROUND SURVEY AND AERIAL
 PHOTOGRAPHY.

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SCALE	1:5000	DATUM	AHD	DRAWING TITLE	FLOOD PRONE & LOW LYING AREAS REV'L
REVISION DATE	01/11/2016	CONTOURS	1 m	DEVELOPMENT	PROJECT PLAN L
PLOT DATE	01/11/2016	DRAWING GRID BY	JMC / AED	FERN BAY SEASIDE VILLAGE NELSON BAY ROAD, FERN BAY	
DA NUMBER		CC NUMBER		CLIENT	RAWSON COMMUNITIES PTY LIMITED

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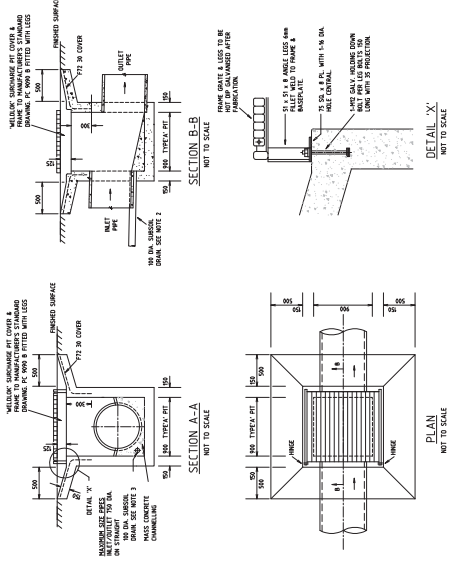
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 Phone: 02 484 2828
 Email: admin@northpointsurveys.com.au

A2

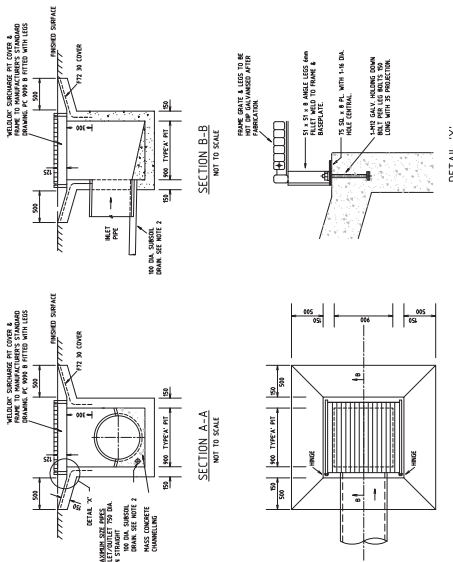


SURFACE INLET PIT - RM11TYPE A1

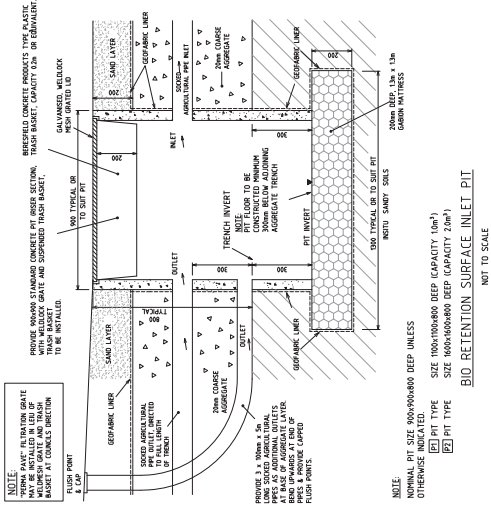


- NOTES
1. COMPRESSIVE STRENGTH OF CONCRETE TO BE 25 MPa.
 2. ALL DIMENSIONS TO BE TO FACE UNLESS OTHERWISE SPECIFIED.
 3. NO DIA. SURGEAL DRAINAGE SHALL BE LONGER THAN 1000mm.
 4. PIT TO BE DEEPER THAN 1000mm.

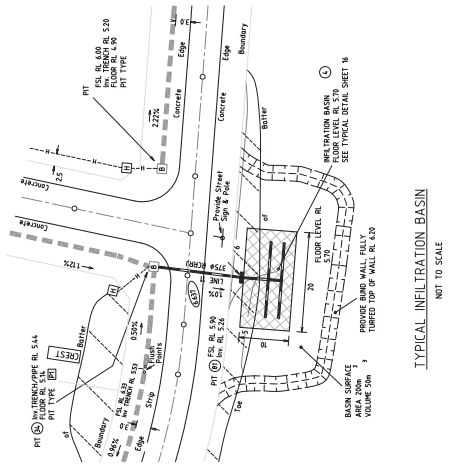
SURCHARGE PIT - RM11TYPE A1



- NOTES
1. COMPRESSIVE STRENGTH OF CONCRETE TO BE 25 MPa.
 2. ALL DIMENSIONS TO BE TO FACE UNLESS OTHERWISE SPECIFIED.
 3. NO DIA. SURGEAL DRAINAGE SHALL BE LONGER THAN 1000mm.
 4. PIT TO BE DEEPER THAN 1000mm.



- NOTES
1. PIT TO BE 1000mm DEEP UNLESS OTHERWISE INDICATED.
 2. PIT TYPE TO BE 1000mm DEEP (CAPACITY 1.0m³).
 3. PIT TYPE TO BE 1000mm DEEP (CAPACITY 2.0m³).



- NOTES
1. COMPRESSIVE STRENGTH OF CONCRETE TO BE 25 MPa.
 2. ALL DIMENSIONS TO BE TO FACE UNLESS OTHERWISE SPECIFIED.
 3. NO DIA. SURGEAL DRAINAGE SHALL BE LONGER THAN 1000mm.
 4. PIT TO BE DEEPER THAN 1000mm.

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SCALE	AS SHOWN	DATUM	TYPICAL DRAINAGE TREATMENTS DETAIL 1/REV L
REVISION DATE	01/11/2016	AHD	DEVELOPMENT
PLOT DATE	01/11/2016		PROJECT PLAN
DA NUMBER	CC NUMBER		FERN BAY SEASIDE VILLAGE
			NELSON BAY ROAD, FERN BAY
			CLIENT
			RAWSON COMMUNITIES PTY LIMITED

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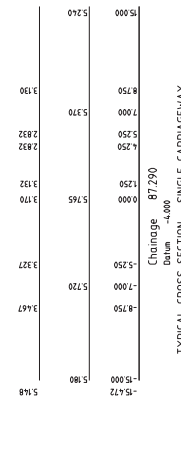
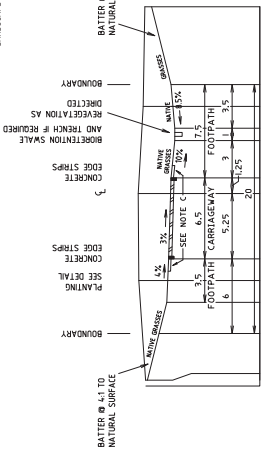
SUBGRADE NOTES

- REFER TO GEOTECHNICAL REPORT FOR PAVEMENT DETAILS AND GEOTECHNICAL
- SUBGRADE TO BE OF CLEAN SAND TO DEPTH OF 500mm WHERE EXISTING
- MATERIAL IS CONSIDERED UNSUITABLE. REFER TO SUBGRADE PREPARATION
- IF NOT CLASS MATERIALS ENCOUNTERED IN SUBGRADE THEN SUBGRADE
- SUITABILITY IS TO BE ASSESSED BY CONSULTANT GEOTECHNICAL ENGINEERS.
- ENGINEERS TO PROVIDE RECOMMENDATIONS FOR SUBGRADE PREPARATION
- ENGINEERS TO ASSESS SUITABILITY OF MATERIAL AND VERIFY SUBGRADE THICKNESS.

PAVEMENT DETAILS

ROAD No.1 GOALS E 350mm AC RESIDENTIAL W/IK
 100mm COMPACTED BASE COURSE
 200mm COMPACTED SUBGRADE

NOTE C
 PROVIDE 100mm WIDE
 100mm THICK CRUSHER
 RUBBLE FILLER OVER
 100mm COMPACTED SUBGRADE
 TOPSOIL & TURF OR
 LANDSCAPE AS DIRECTED





A2

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SCALE	1:5000
REVISION DATE	01/11/2016
PLOT DATE	01/11/2016
DA NUMBER	
DRAWN/GRD BY	JMC / AED
CC NUMBER	

DRAWING TITLE	AERIAL VIEW REV-L
DEVELOPMENT	PROJECT PLAN FERN BAY SEASIDE VILLAGE NELSON BAY ROAD, FERN BAY
CLIENT	RAWSON COMMUNITIES PTY LIMITED

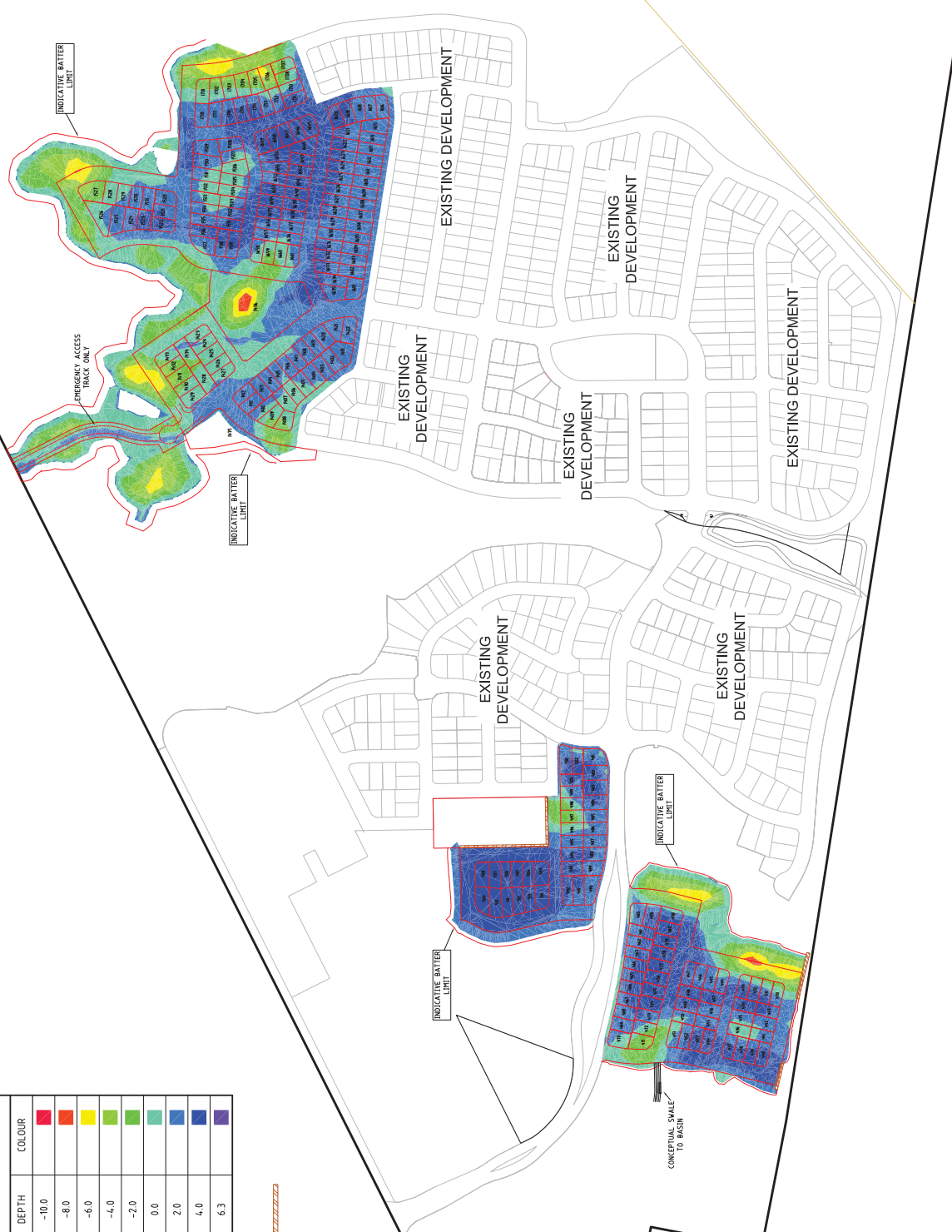
NORTH POINT SURVEYS (NSW) P/L
 A/F NORTH POINT SURVEYS TRUST A/FN 52 061 762 075
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 Unit 19 Spence Street, Nelson Bay NSW 2315
 PO Box 378 Nelson Bay NSW 2315
 Phone: 02 4984 2606
 Email: admin@northpointsurveys.com.au

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CUT (-ve) & FILL (+ve) DEPTHS DATA		
NUMBER	DEPTH	COLOUR
1	-11.1	Red
2	-10.0	Orange
3	-8.0	Yellow
4	-6.0	Light Green
5	-4.0	Green
6	-2.0	Light Blue
7	0.0	Blue
8	2.0	Dark Blue
9	4.0	Very Dark Blue
	6.3	Black

PROPOSED RETAINING WALL 



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SCALE	1:4000	DATUM	BULK EARTHWORKS (CUT-FILL) PLAN REV-L
REVISION DATE	01/11/2016	AHD	DEVELOPMENT
PLOT DATE	01/11/2016	DEPTH CONTOURS	PROJECT PLAN
DA NUMBER		DEPTH	FERN BAY SEASIDE VILLAGE
		DRAWING BY	NELSON BAY ROAD, FERN BAY
		IMC / AED	
		CC NUMBER	CLIENT
			RAWSON COMMUNITIES PTY LIMITED

