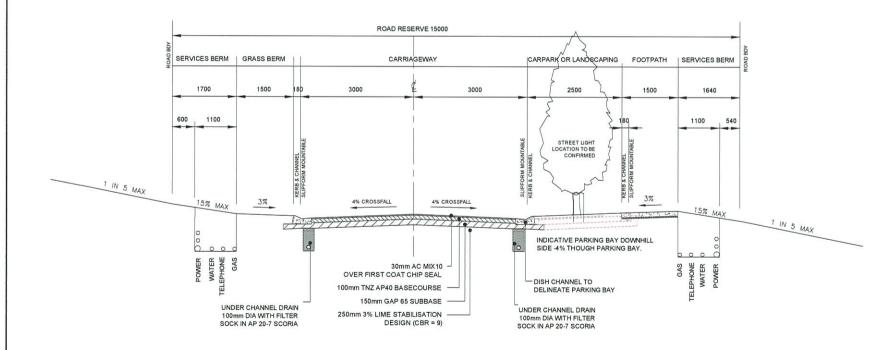


## CONCRETE TO BE SAWCUT AT 3m SPACING SLIPFORM MOUNTABLE KERB AND NIB 20MPA EXPOSED AGGREGATE FINISH RED OXIDE CONCRETE. SLIPFORM MOUNTABLE KERB AND CHANNEL 600mm WIDE DISH CHANNEL CARRIAGEWAY

#### TYPICAL PARKING BAY PLAN



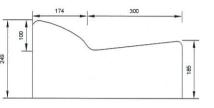
### TYPICAL CROSS SECTION - SEAVIEW CRESCENT

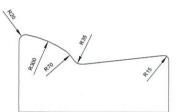
# | Certify that these As-built Plans are an accurate record of the works undertaken and that: | The coordinates (X,Y) are in terms of NZTM on NZGD2000 | The Levels (Z) are in terms of Auckland Vegical Datum 1946 (MSL) LINZ datum

- ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION ISSUE NOV 2005.
- ALL ROADS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH APPROVED ENGINEERING PLANS,
- ALL FINISHED ROAD SURFACES ARE ASPHALT CONCRETE 30mm THICK.
- FOOTPATHS ARE 125mm 20MPa CONCRETE ON 30mm OF FINE GRANULAR MATERIAL. SAWCUTS 30mm DEEP AT 1500mm CENTRES LATERALLY.
- ALL CONCRETE WORKS USED THIS MIX DESIGN / cu m

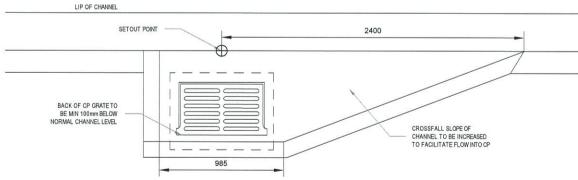
-13mm C/Agg Hunua W/Agg
-Pap 7 Hunua W/Agg
-Helensville Sand - Winstones 940kg 588kg 375kg 245kg 167litres 100ml 0.74litres -General Purpose G/Bay Cement -Micro Air 940-MRT

6. ALL PIPE CROSSINGS UNDER ROADS HAVE BEEN HARDFILL BACKFILLED.





**ROLLED KERB &** CHANNEL DETAIL SCALE 1:12.5 @ A3



#### RECESSED CATCHPIT DETAIL SCALE 1:33.3 @ A3

LATEST REVISION DETAILS NAME DATE A. 224c ISSUE 20.03.13 CD



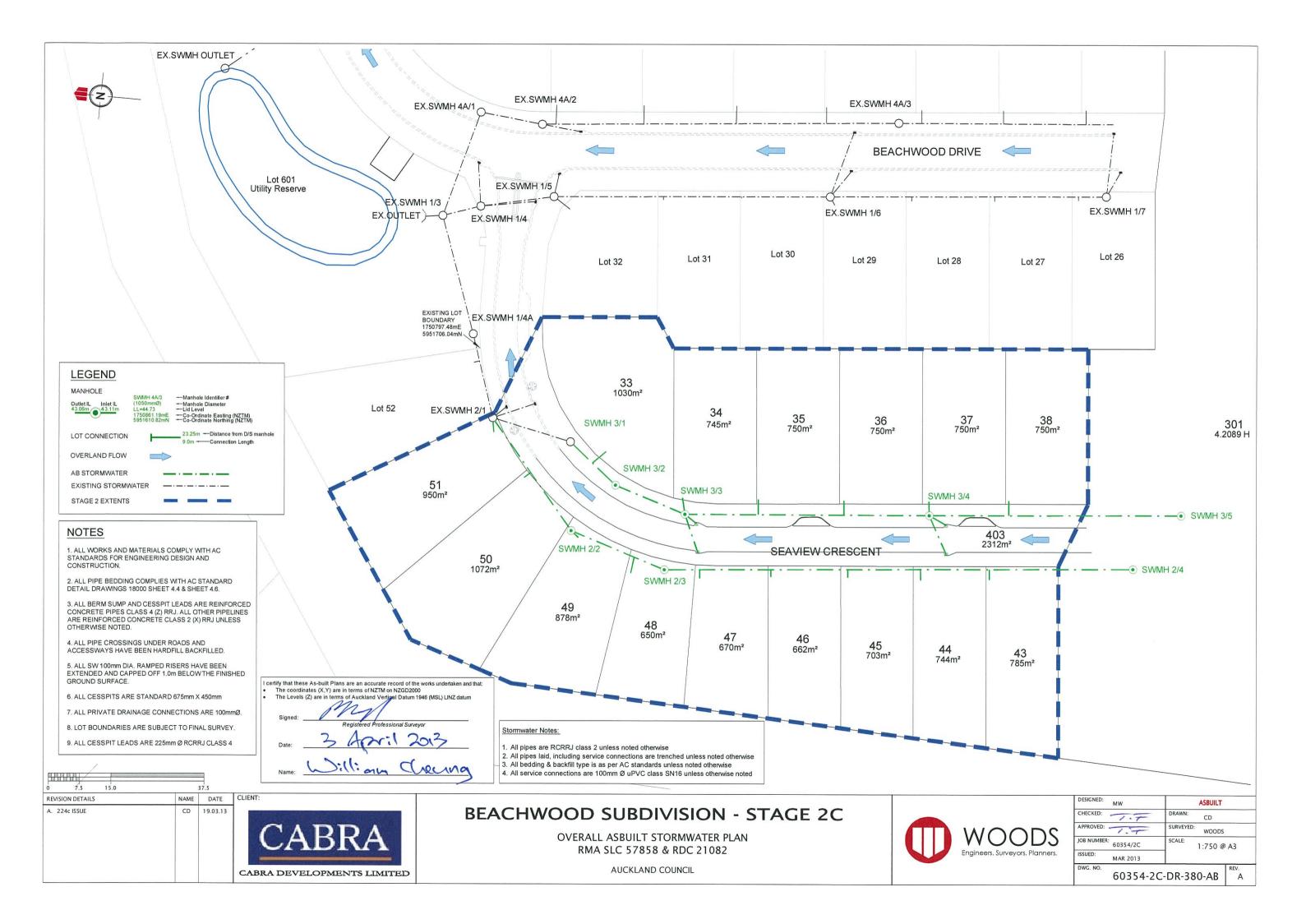
#### **BEACHWOOD SUBDIVISION - STAGE 2C**

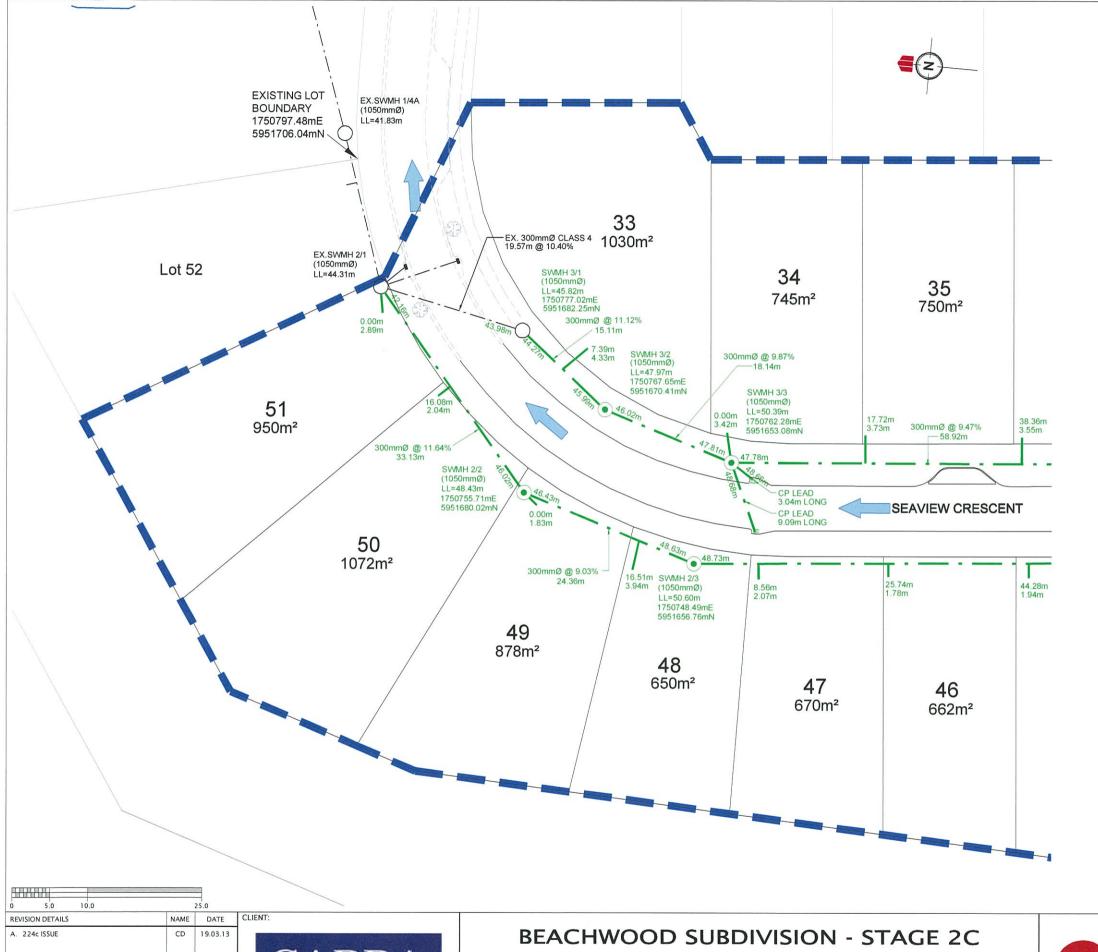
TYPICAL ROAD DETAILS ASBUILT PLAN RMA SLC 57858 & RDC 21082

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WOODS Engineers. Surveyors. Planners.
PO BOX 6752, WELLESLEY ST, AUCKLAND 1141 BLDG 3, LEVEL 4, 666 GREAT SOUTH ROAD, PENROSE PHONE +64 9 571 2470 FAX +64 9 571 3405 WWW.WOODS.CO.NZ

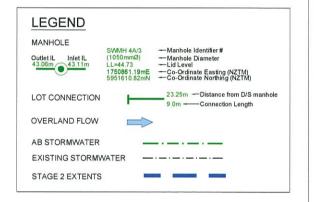
DESIGNED: MW	ASBUILT
CHECKED:	DRAWN: CD
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60354	SCALE: 1:100 @ A3
ISSUED: MAR 2013	
DWG. NO. 60354-2	C-RD-220-AB REV. A





#### **NOTES**

- ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND CONSTRUCTION.
- 2. ALL PIPE BEDDING COMPLIES WITH AC STANDARD DETAIL DRAWINGS 18000 SHEET 4.4 & SHEET 4.6.
- 3. ALL BERM SUMP AND CESSPIT LEADS ARE REINFORCED CONCRETE PIPES CLASS 4 (Z) RRJ. ALL OTHER PIPELINES ARE REINFORCED CONCRETE CLASS 2 (X) RRJ UNLESS OTHERWISE NOTED.
- 4. ALL PIPE CROSSINGS UNDER ROADS AND ACCESSWAYS HAVE BEEN HARDFILL BACKFILLED.
- 5. ALL SW 100mm DIA. RAMPED RISERS HAVE BEEN EXTENDED AND CAPPED OFF 1.0m BELOW THE FINISHED GROUND SURFACE.
- 6. ALL CESSPITS ARE STANDARD 675mm X 450mm
- 7. ALL PRIVATE DRAINAGE CONNECTIONS ARE 100mmØ.
- 8. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
- 9. ALL CESSPIT LEADS ARE 225mm Ø RCRRJ CLASS 4



#### Stormwater Notes:

- 1. All pipes are RCRRJ class 2 unless noted otherwise
- 2. All pipes laid, including service connections are trenched unless noted otherwise
- All bedding & backfill type is as per AC standards unless noted otherwise
   All service connections are 100mm Ø uPVC class SN16 unless otherwise noted

I certify that these As-built Plans are an accurate record of the works undertaken and that:

• The coordinates (X, Y) are in terms of NZTM on NZGD2000

• The Levels (Z) are in terms of Auckland Vertical Datum 1946 (MSL) LINZ datum

Signed:

Registered Professional Surveyor

Date:

Name:

CABI

CABRA DEVELOPMENTS LIMITED

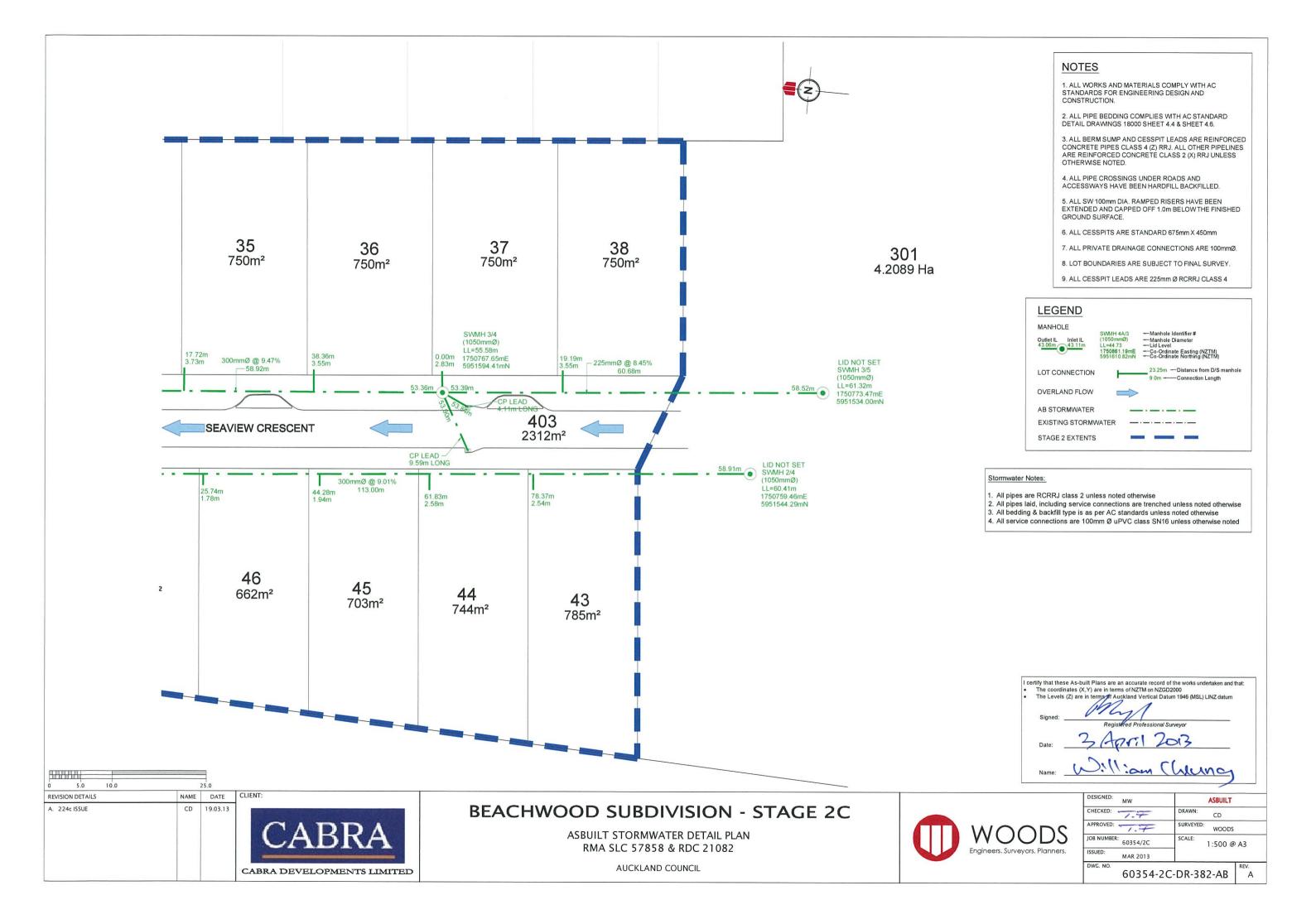
ASBUILT STORMWATER DETAIL PLAN RMA SLC 57858 & RDC 21082

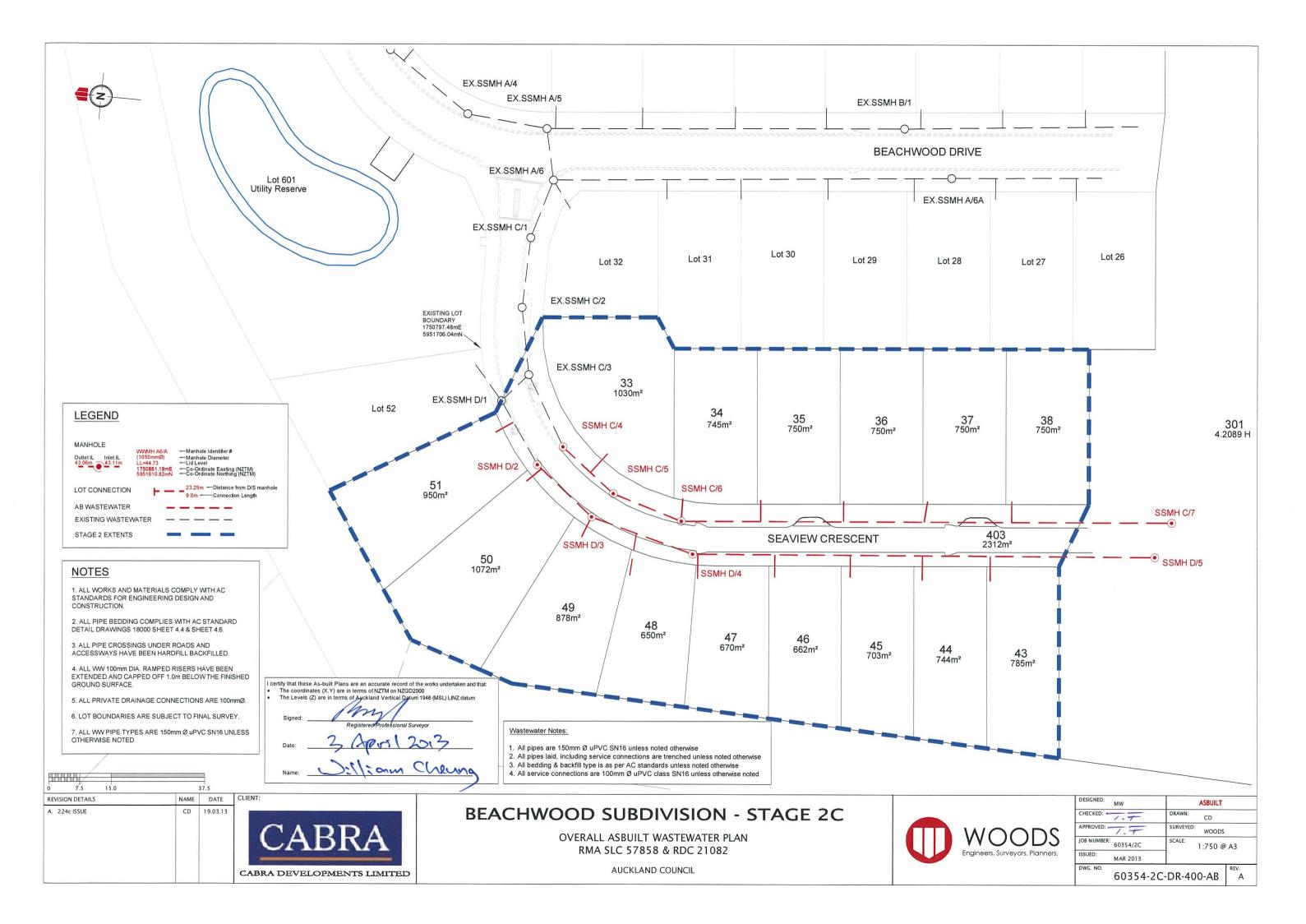
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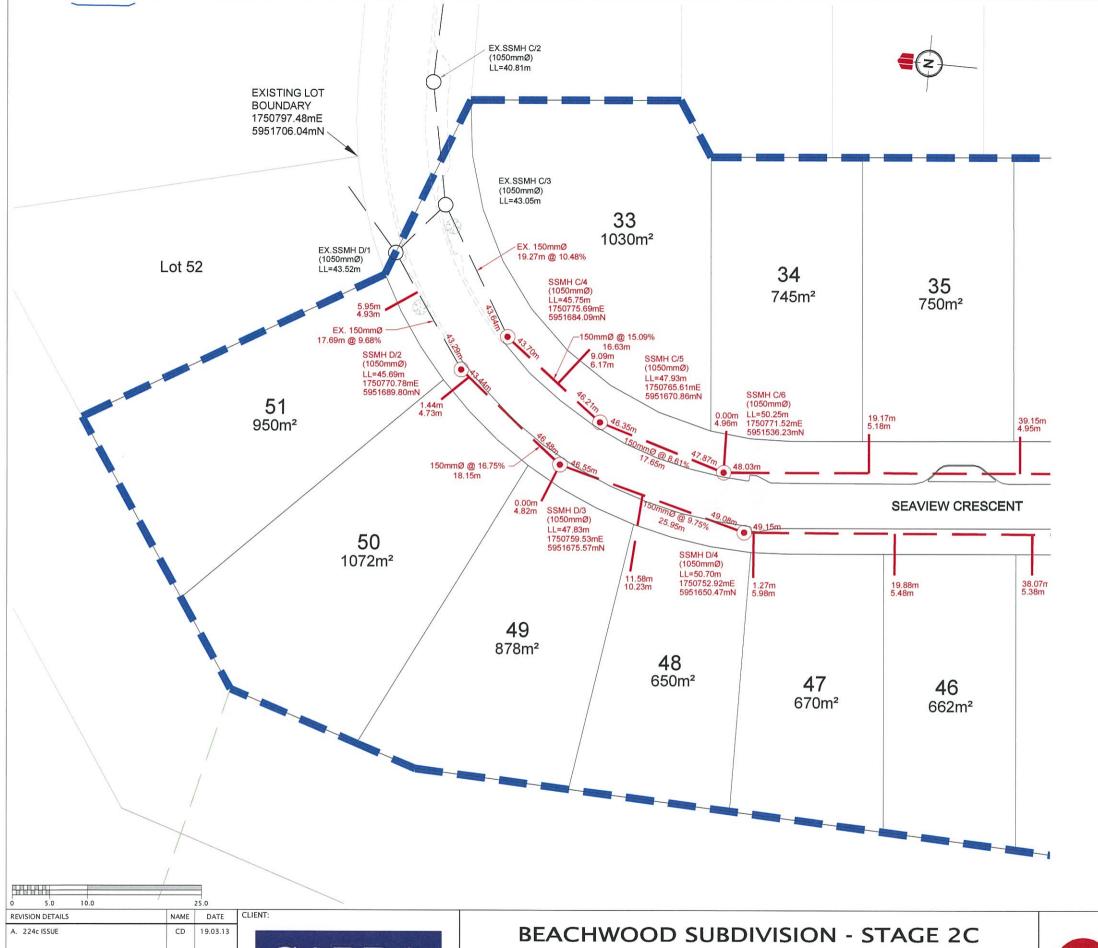


DESIGNED: MW	ASBUILT
CHECKED:	DRAWN: CD
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60354/2C	SCALE: 1:500 @ A3
ISSUED: MAR 2013	
DWG NO	DEV/

60354-2C-DR-381-AB



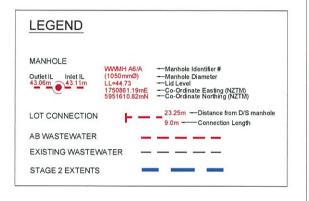




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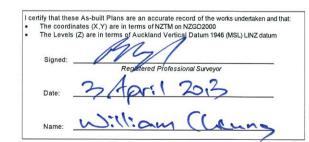
#### **NOTES**

- 1. ALL WORKS AND MATERIALS COMPLY WITH AC STANDARDS FOR ENGINEERING DESIGN AND
- 2. ALL PIPE BEDDING COMPLIES WITH AC STANDARD DETAIL DRAWINGS 18000 SHEET 4.4 & SHEET 4.6.
- 3. ALL PIPE CROSSINGS UNDER ROADS AND ACCESSWAYS HAVE BEEN HARDFILL BACKFILLED.
- 4. ALL WW 100mm DIA. RAMPED RISERS HAVE BEEN EXTENDED AND CAPPED OFF 1.0m BELOWTHE FINISHED GROUND SURFACE.
- 5. ALL PRIVATE DRAINAGE CONNECTIONS ARE 100mmØ.
- 6. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
- 7. ALL WW PIPE TYPES ARE 150mm Ø uPVC SN16 UNLESS OTHERWISE NOTED



#### Wastewater Notes:

- 1. All pipes are 150mm Ø uPVC SN16 unless noted otherwise
- All pipes laid, including service connections are trenched unless noted otherwise
   All bedding & backfill type is as per AC standards unless noted otherwise
- 4. All service connections are 100mm Ø uPVC class SN16 unless otherwise noted



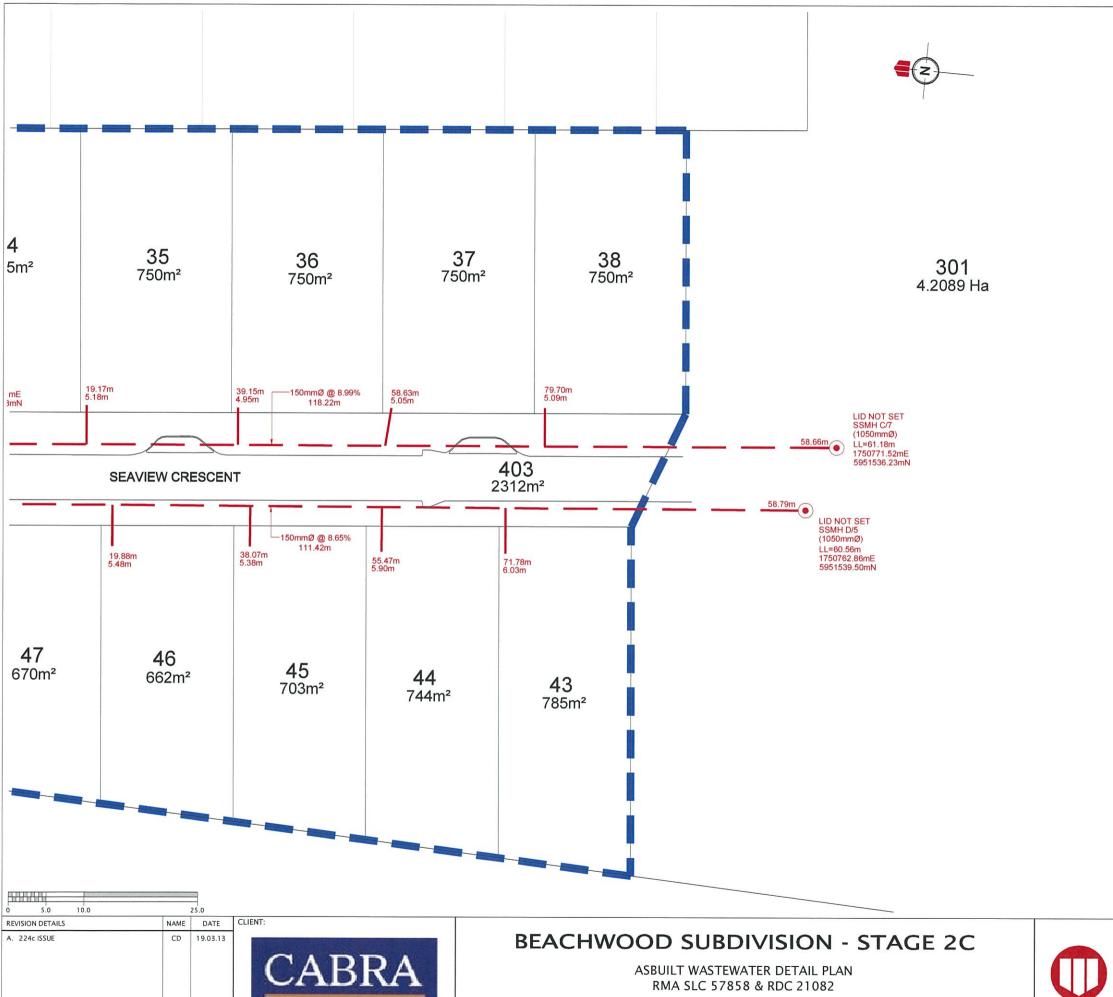
ASBUILT WASTEWATER DETAIL PLAN RMA SLC 57858 & RDC 21082

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DESIGNED: MW	ASBUILT
CHECKED:	DRAWN: CD
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60354/2C	SCALE: 1:500 @ A3
ISSUED: MAR 2013	
DWG NO	I DEV

60354-2C-DR-401-AB

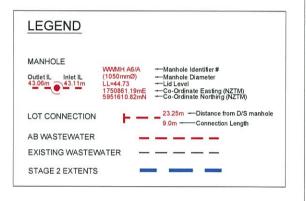


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#### **NOTES**

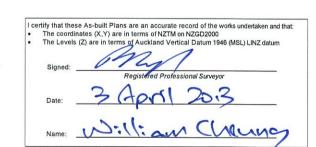
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- 4. ALL WW 100mm DIA. RAMPED RISERS HAVE BEEN EXTENDED AND CAPPED OFF 1.0m BELOW THE FINISHED GROUND SURFACE.
- 5. ALL PRIVATE DRAINAGE CONNECTIONS ARE 100mmØ.
- 6. LOT BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
- 7. ALL WW PIPE TYPES ARE 150mm Ø uPVC SN16 UNLESS OTHERWISE NOTED



#### Wastewater Notes:

- 1. All pipes are 150mm Ø uPVC SN16 unless noted otherwise

- All pipes laid, including service connections are trenched unless noted otherwise
   All bedding & backfill type is as per AC standards unless noted otherwise
   All service connections are 100mm Ø uPVC class SN16 unless otherwise noted





DESIGNED: MW	ASBUILT
CHECKED:	DRAWN: CD
APPROVED:	SURVEYED: WOODS
JOB NUMBER: 60354/2C	SCALE: 1:500 @ A3
ISSUED: MAR 2013	
DWG. NO. 60354-2	C-DR-402-AB A

