

cook | costello

AS BUILTS

SIGNED

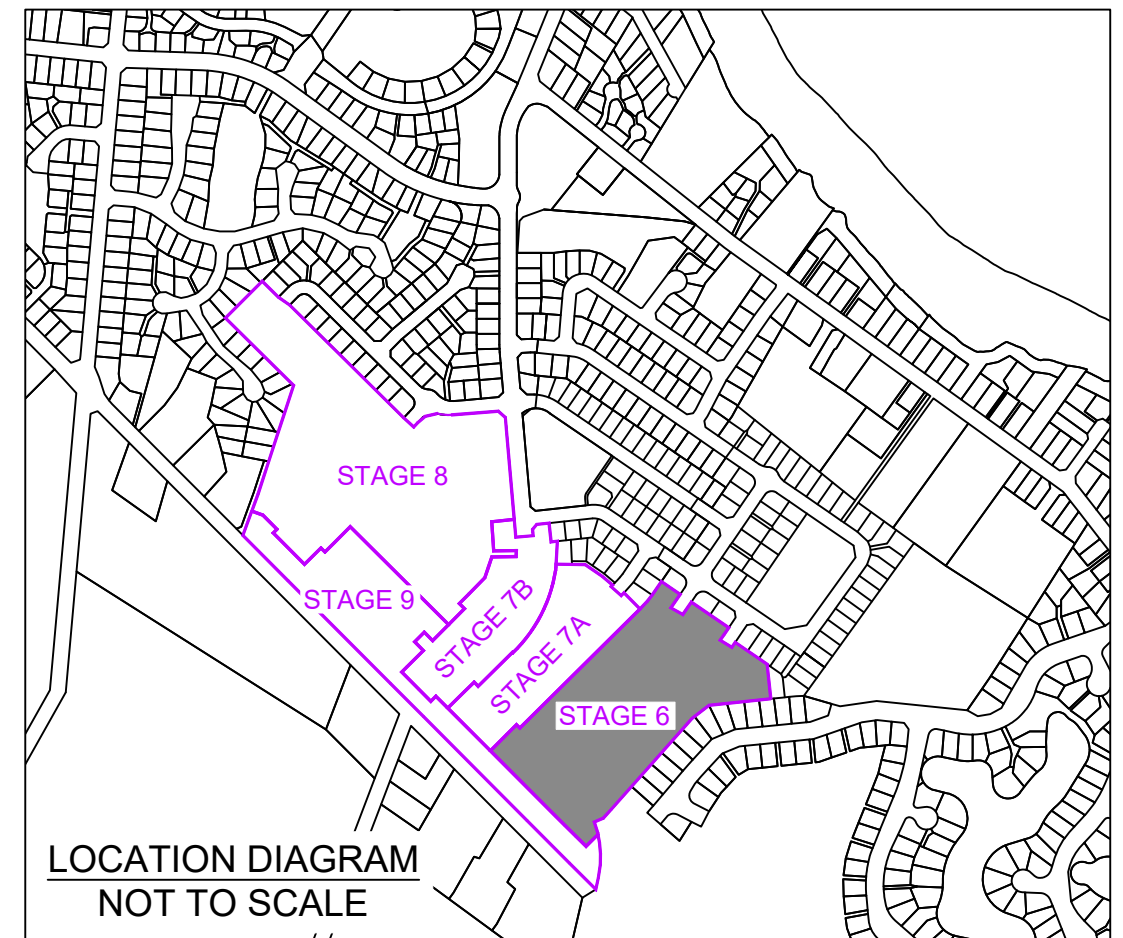
26/08/2022
DATE

AS BUILT PLANS

**FOR WFH PROPERTIES LTD,
THE LANDING, STAGE 6,
ONE TREE POINT**

WDC REF: SD1800110

JOB NO:14333-006
DATE: 26 AUGUST 2022



LOCATION DIAGRAM
NOT TO SCALE

DWG NUMBER	REV.
AB000	A

SCHEDULE OF DRAWINGS

SHEET #	TITLE	REV
AB000 - GENERAL		
AB000	COVER SHEET & LOCATION DIAGRAM	A
AB001	DRAWING INDEX	A
AB500 - ROADING		
AB500	ROADING LAYOUT - OVERVIEW	A
AB501	ROADING LAYOUT - SHEET 1	A
AB502	ROADING LAYOUT - SHEET 2	A
AB503	ROADING LAYOUT - SHEET 3	A
AB504	ROADING LAYOUT - SHEET 4	A
AB505	ROADING LAYOUT - SHEET 5	A
AB506	ROADING LAYOUT - SHEET 6	A
AB510	ROADING TYPICAL SECTIONS - SHEET 1	A
AB511	ROADING TYPICAL SECTIONS - SHEET 2	A
AB512	COMBINED SERVICE TRENCH DETAILS	A
AB513	PAVEMENT DETAILS	A
AB514	SPEED HUMP DETAILS	A
AB515	SPEED HUMP DETAILS	A
AB560	LINEMARKING & SIGNPOSTING PLAN - ROUNDABOUT 14	A
AB561	LINEMARKING & SIGNPOSTING PLAN - SPEED HUMPS ROADS 5 & 8	A
AB562	LINEMARKING & SIGNPOSTING PLAN - NSAAT MARKINGS ON ROAD 8	A
AB570	VEHICLE CROSSING - JOAL 708	A
AB571	VEHICLE CROSSING - JOAL 710	A
AB600 - DRAINAGE		
AB600	STORMWATER PLAN - OVERVIEW	A
AB601	STORMWATER PLAN - SHEET 1	A
AB602	STORMWATER PLAN - SHEET 2	A
AB603	STORMWATER PLAN - SHEET 3	A
AB604	STORMWATER PLAN - SHEET 4	A
AB605	STORMWATER PLAN - SHEET 5	A
AB606	STORMWATER PLAN - SHEET 6	A
AB607	STORMWATER PLAN - SHEET 7	A
AB610	SANITARY SEWER PLAN - OVERVIEW	A
AB611	SANITARY SEWER PLAN - SHEET 1	A
AB612	SANITARY SEWER PLAN - SHEET 2	A
AB613	SANITARY SEWER PLAN - SHEET 3	A
AB614	SANITARY SEWER PLAN - SHEET 4	A
AB615	SANITARY SEWER PLAN - SHEET 5	A
AB616	SANITARY SEWER PLAN - SHEET 6	A
AB617	SANITARY SEWER PLAN - SHEET 7	A
AB618	SANITARY SEWER PLAN - SHEET 8	A
AB620	STORMWATER LONGSECTIONS - SHEET 1	A
AB621	STORMWATER LONGSECTIONS - SHEET 2	A
AB622	STORMWATER LONGSECTIONS - SHEET 3	A
AB623	STORMWATER LONGSECTIONS - SHEET 4	A
AB624	STORMWATER LONGSECTIONS - SHEET 5	A
AB625	STORMWATER LONGSECTIONS - SHEET 6	A
AB626	STORMWATER LONGSECTIONS - SHEET 7	A
AB627	STORMWATER LONGSECTIONS - SHEET 8	A
AB628	STORMWATER LONGSECTIONS - SHEET 9	A
AB629	STORMWATER LONGSECTIONS - SHEET 10	A
AB630	STORMWATER LONGSECTIONS - SHEET 11	A
AB631	STORMWATER LONGSECTIONS - SHEET 12	A
AB632	STORMWATER LONGSECTIONS - SHEET 13	A

AB633	STORMWATER LONGSECTIONS - SHEET 14	A
AB634	STORMWATER LONGSECTIONS - SHEET 15	A
AB640	SANITARY SEWER LONGSECTIONS - SHEET 1	A
AB641	SANITARY SEWER LONGSECTIONS - SHEET 2	A
AB642	SANITARY SEWER LONGSECTIONS - SHEET 3	A
AB643	SANITARY SEWER LONGSECTIONS - SHEET 4	A
AB644	SANITARY SEWER LONGSECTIONS - SHEET 5	A
AB645	SANITARY SEWER LONGSECTIONS - SHEET 6	A
AB646	SANITARY SEWER LONGSECTIONS - SHEET 7	A
AB647	SANITARY SEWER LONGSECTIONS - SHEET 8	A
AB648	SANITARY SEWER LONGSECTIONS - SHEET 9	A
AB670	TYPICAL MANHOLE DETAILS	A
AB671	TYPICAL SUMP DETAILS & SADDLE CONNECTION DETAILS	A
AB672	TYPICAL INLET & OUTLET STRUCTURES	A
AB673	TYPICAL STORMWATER & SEWER CONNECTIONS	A
AB674	TYPICAL TRENCH & HEADWALL DETAILS	A
AB675	BOUNDARY KIT WITH EXTENDED STUBS	A
AB676	FLUSHING POINT DETAIL	A
AB677	2010 IP SIMPLEX 800 x 200 IP	A
AB678	TYPICAL BRANCH ARRANGEMENT	A
AB680	POND DETAILS	A

AB700 - POTABLE WATER


AB700	POTABLE WATER PLAN - OVERVIEW	A
AB701	POTABLE WATER PLAN - SHEET 1	A
AB702	POTABLE WATER PLAN - SHEET 2	A
AB703	POTABLE WATER PLAN - SHEET 3	A
AB704	POTABLE WATER PLAN - SHEET 4	A
AB705	POTABLE WATER PLAN - SHEET 5	A
AB706	POTABLE WATER PLAN - SHEET 6	A
AB707	POTABLE WATER PLAN - SHEET 7	A
AB708	POTABLE WATER PLAN - SHEET 8	A
AB720	POTABLE WATER TYPICAL DETAILS - SHEET 1	A
AB721	POTABLE WATER TYPICAL DETAILS - SHEET 2	A
AB722	POTABLE WATER TYPICAL DETAILS - SHEET 3	A

AB800 - ASSET REGISTER

AB800	STORMWATER ASSET REGISTER - SHEET 1	A
AB801	STORMWATER ASSET REGISTER - SHEET 2	A
AB802	STORMWATER ASSET REGISTER - SHEET 3	A
AB803	STORMWATER ASSET REGISTER - SHEET 4	A
AB804	STORMWATER ASSET REGISTER - SHEET 5	A
AB805	STORMWATER ASSET REGISTER - SHEET 6	A
AB806	STORMWATER ASSET REGISTER - SHEET 7	A
AB810	SEWER ASSET REGISTER - SHEET 1	A
AB811	SEWER ASSET REGISTER - SHEET 2	A
AB812	SEWER ASSET REGISTER - SHEET 3	A
AB813	SEWER ASSET REGISTER - SHEET 4	A
AB820	POTABLE WATER REGISTER - SHEET 1	A
AB821	POTABLE WATER REGISTER - SHEET 2	A
AB822	POTABLE WATER REGISTER - SHEET 3	A
AB823	POTABLE WATER REGISTER - SHEET 4	A

AB900 - LANDSCAPING

AB900	LANDSCAPING - TREES	A
-------	---------------------	---


PHILIP COOK
WDC IQP#014

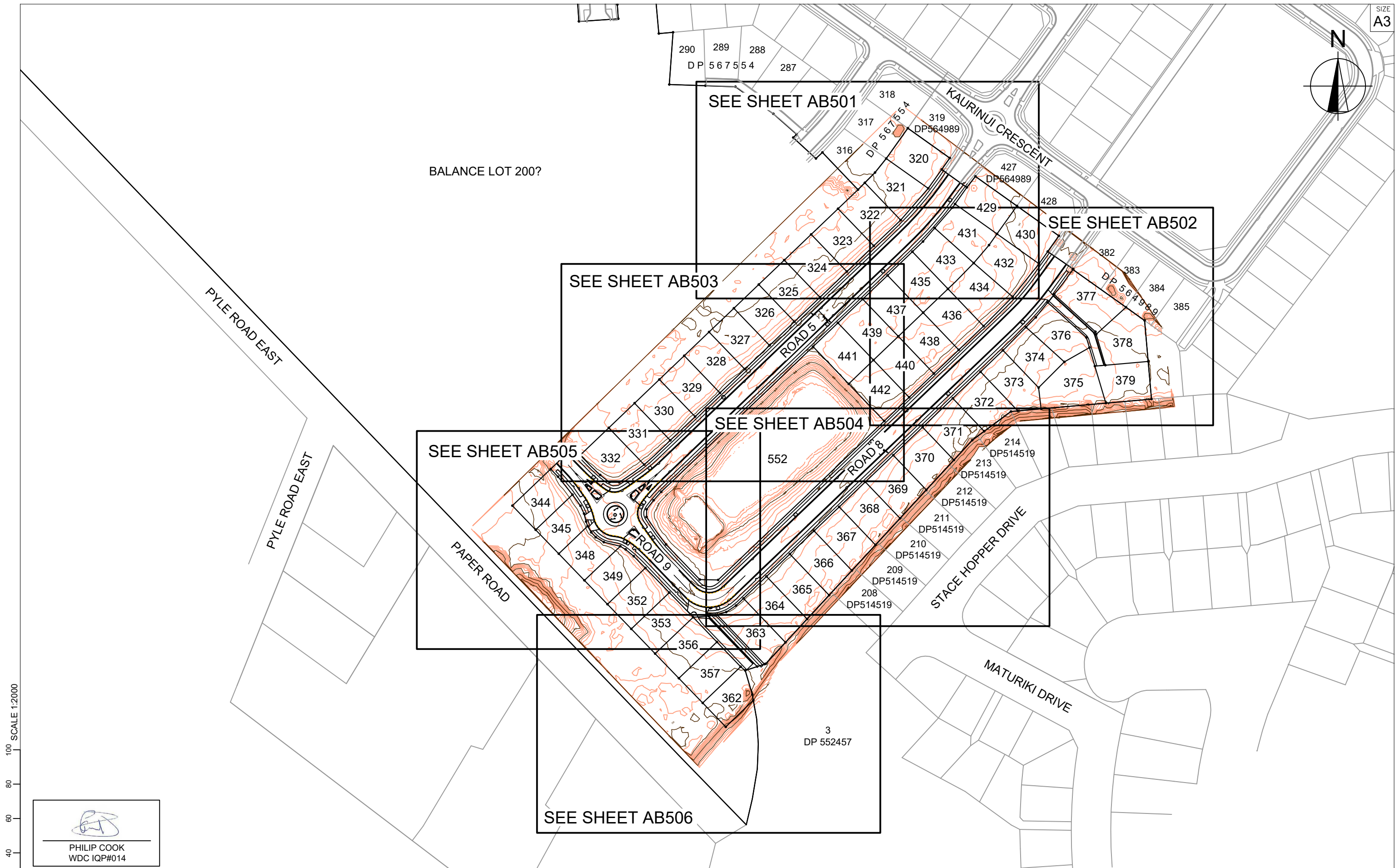
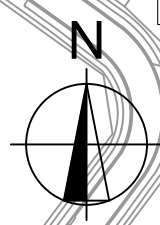


C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	


PROJECT DETAILS	
WFH PROPERTIES LIMITED THE LANDING - STAGE 6 ONE TREE POINT RUAKAKA	

TITLE
DRAWING INDEX

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE NTS @ A3	STATUS AS BUILTS	
DWG NUMBER AB001	REVISION A		



100 SCALE 1:2000
80
60
40
20
0


PHILIP COOK
WDC IQP#014



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA


TITLE
ROADING LAYOUT
OVERVIEW

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:1500 @ A3		STATUS AS BUILTS
DWG NUMBER AB500			REVISION A

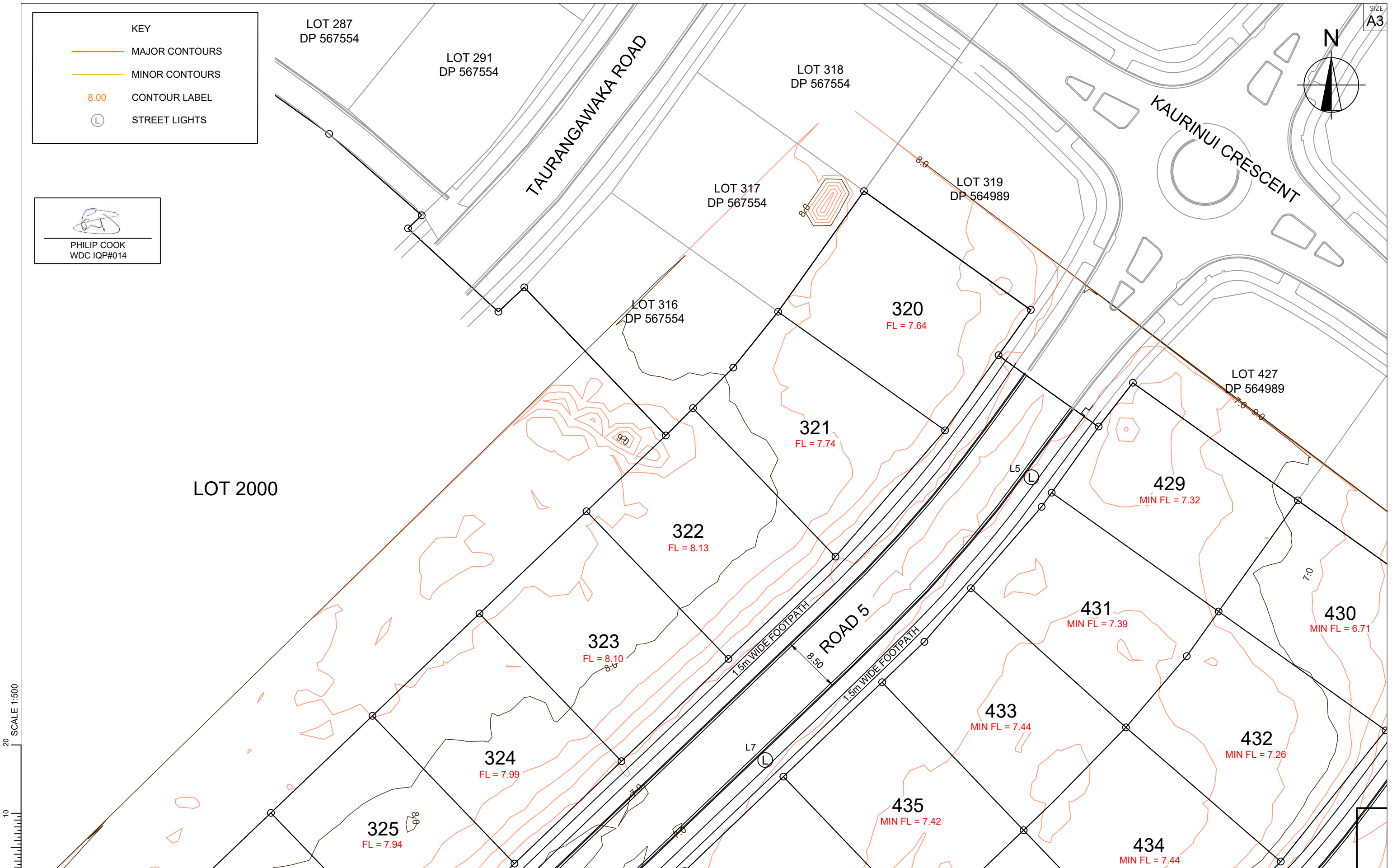


KEY

- MAJOR CONTOURS
- MINOR CONTOURS
- 8.00 CONTOUR LABEL
- Ⓛ STREET LIGHTS



PHILIP COOK
WDC IQP#014



SCALE 1:500



cook | costello
www.coco.co.nz
Whangarei | Auckland | Wellington | Christchurch

C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS

WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE

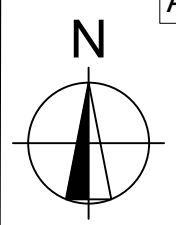
ROADING LAYOUT
SHEET 1

DATE CREATED	26/08/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-006	SCALE	1:500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB501		REVISION	A			

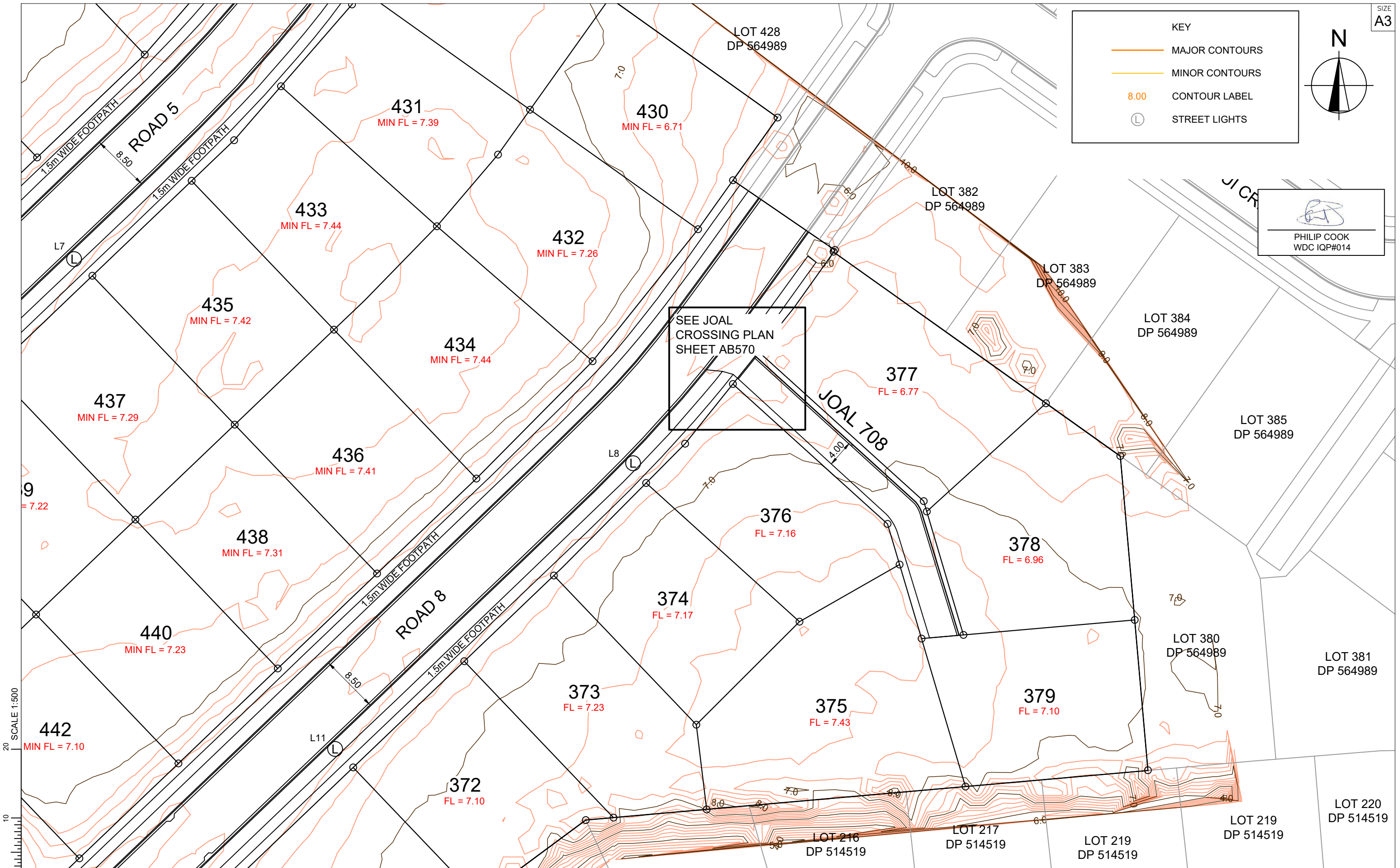
SCALE 1:500

KEY

- MAJOR CONTOURS
- MINOR CONTOURS
- 8.00 CONTOUR LABEL
- STREET LIGHTS



PHILIP COOK
WDC IQP#014



SCALE 1:500

www.coco.co.nz
Whangarei | Auckland | Wellington | Christchurch

C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

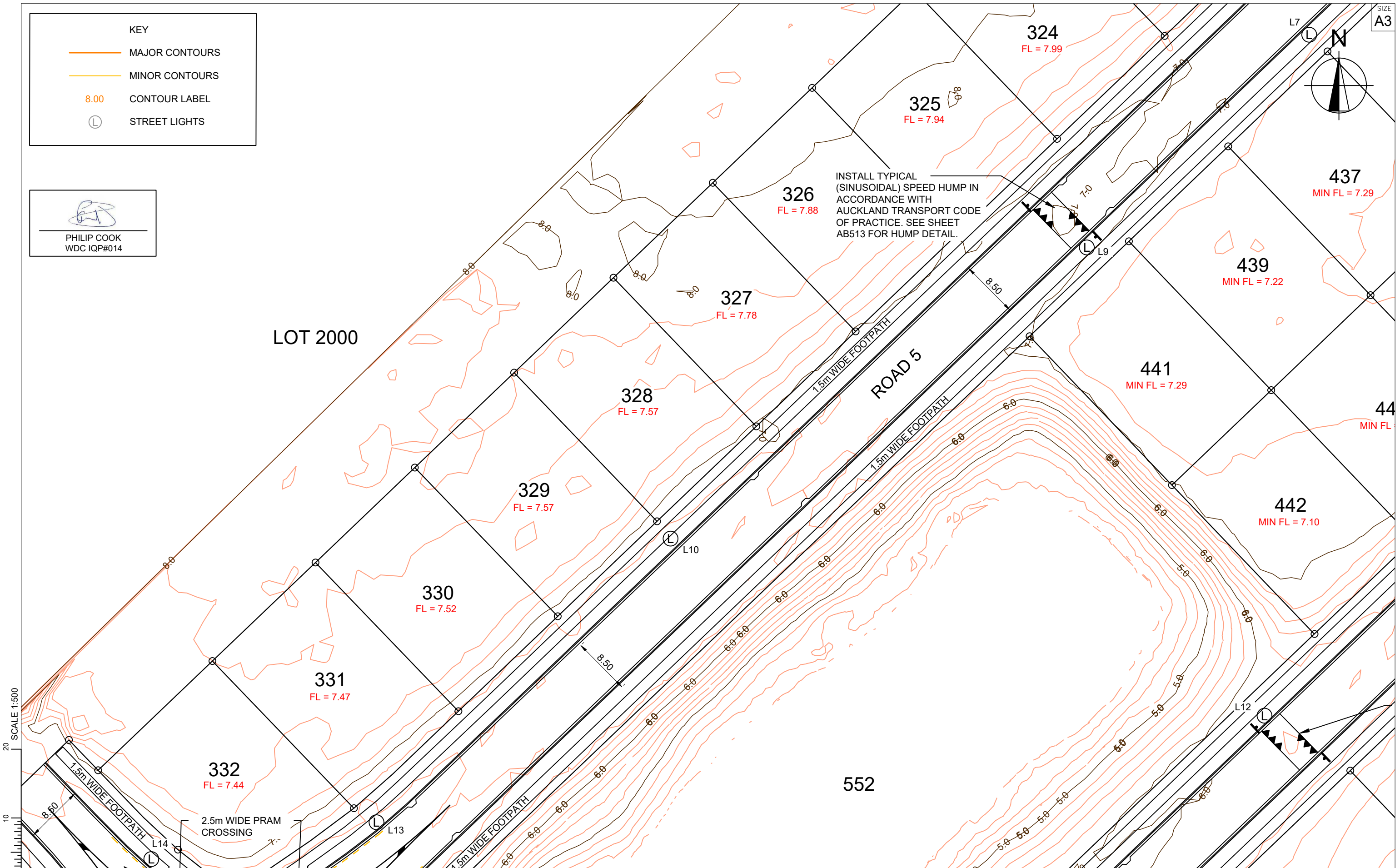
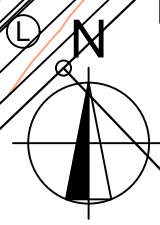
TITLE
ROADING LAYOUT
SHEET 2

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB502	REVISION A		

SCALE 1:500

KEY	
	MAJOR CONTOURS
	MINOR CONTOURS
8.00	CONTOUR LABEL
	STREET LIGHTS

PHILIP COOK
 WDC IQP#014



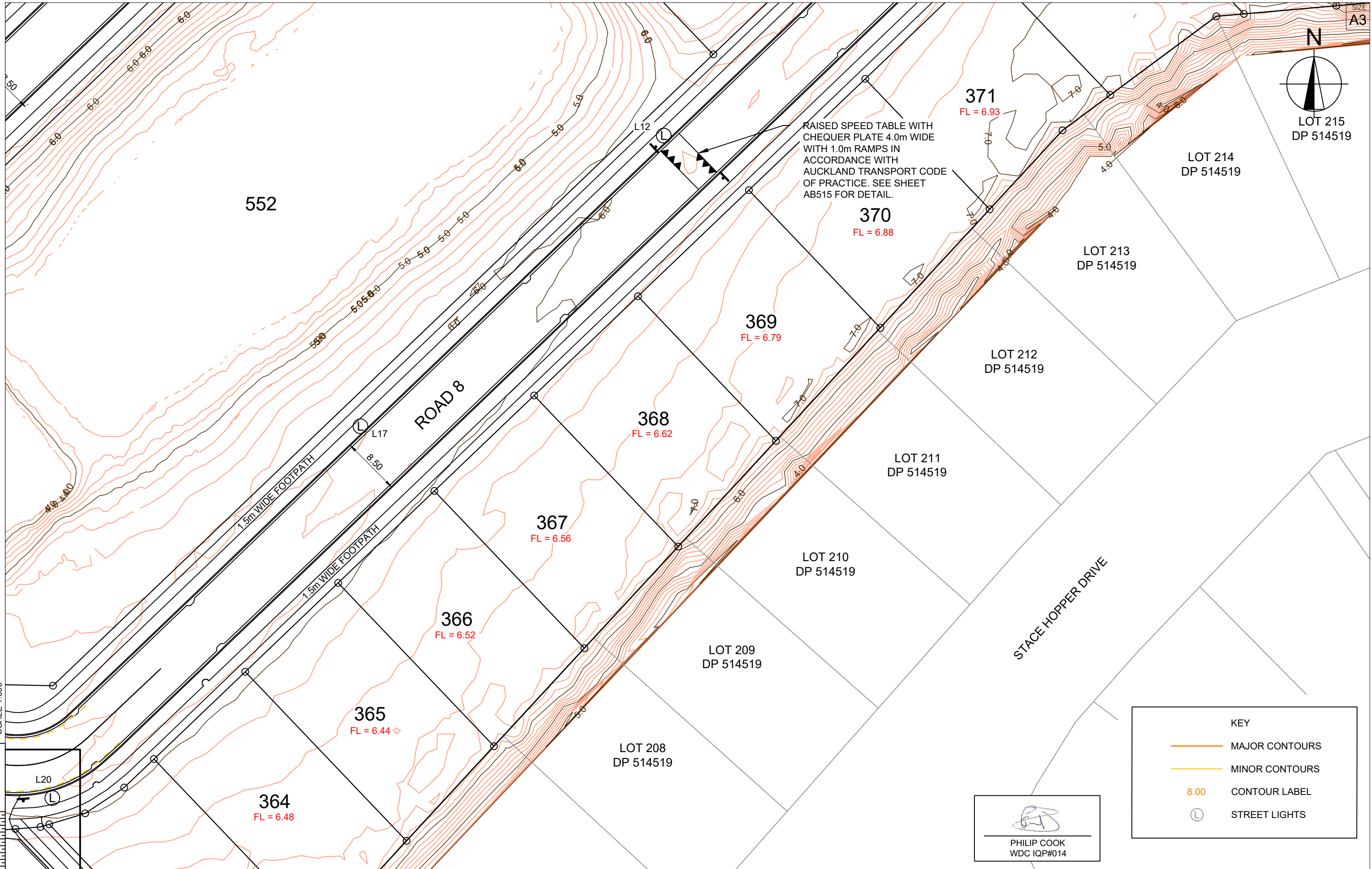
SCALE 1:500
 0 10 20



REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	26-08-22	
		KH	PC

PROJECT DETAILS	TITLE
WFH PROPERTIES LIMITED THE LANDING - STAGE 6 ONE TREE POINT RUAKAKA	ROADING LAYOUT SHEET 3

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB503	REVISION A		



KEY	
	MAJOR CONTOURS
	MINOR CONTOURS
8.00	CONTOUR LABEL
	STREET LIGHTS



REV.	REVISION DETAILS	DATE	DRAWN	APP.
C				
B				
A	1st ISSUE	26-08-22	KH	PC

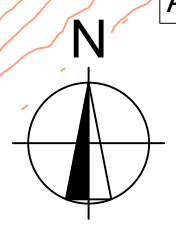
PROJECT DETAILS

WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

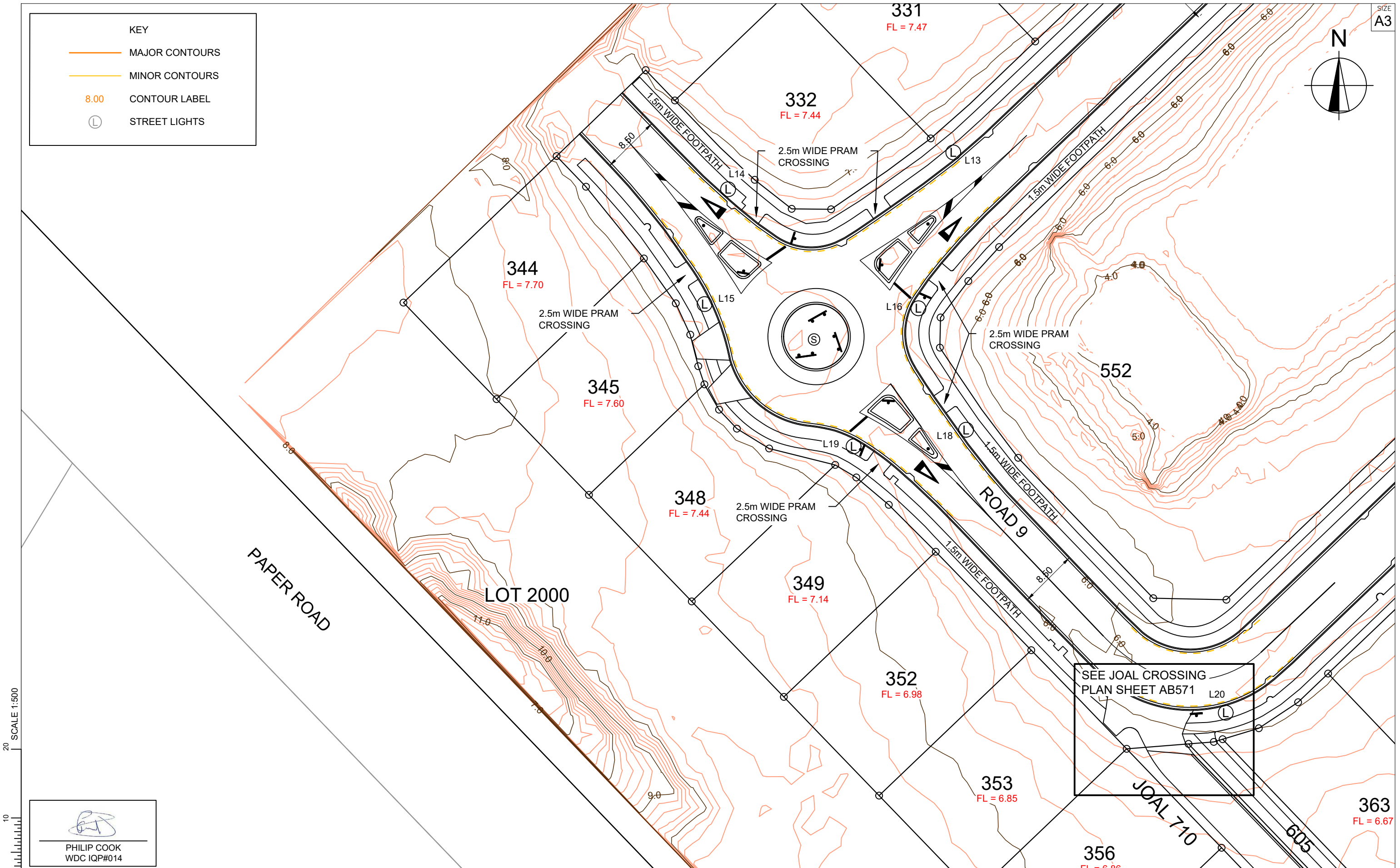
TITLE

ROADING LAYOUT
SHEET 4

DATE CREATED	26/08/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-006	SCALE	1:500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB504		REVISION	A			



KEY	
	MAJOR CONTOURS
	MINOR CONTOURS
8.00	CONTOUR LABEL
	STREET LIGHTS



20
SCALE 1:500
10
0

PHILIP COOK
WDC IQP#014

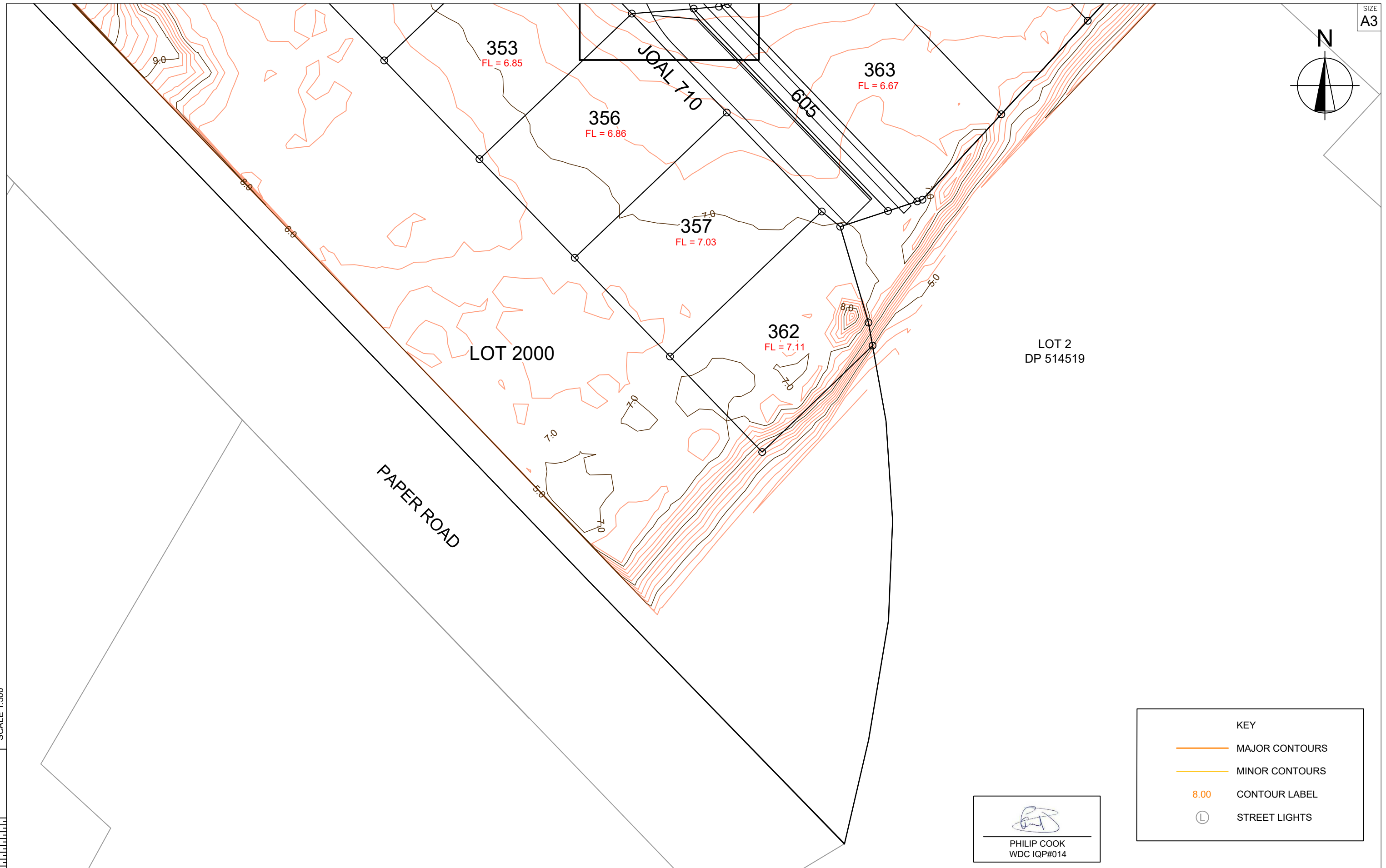
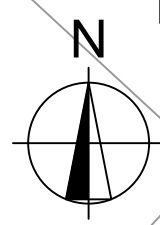
www.coco.co.nz
Whangarei | Auckland | Wellington | Christchurch

REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	26-08-22	KH PC

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA


TITLE
ROADING LAYOUT
SHEET 5

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB505	REVISION A		



SCALE 1:500

KEY	
	MAJOR CONTOURS
	MINOR CONTOURS
8.00	CONTOUR LABEL
	STREET LIGHTS


 PHILIP COOK
 WDC IQP#014

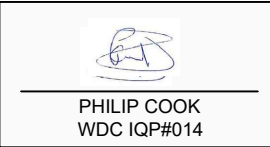


REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	KH	PC

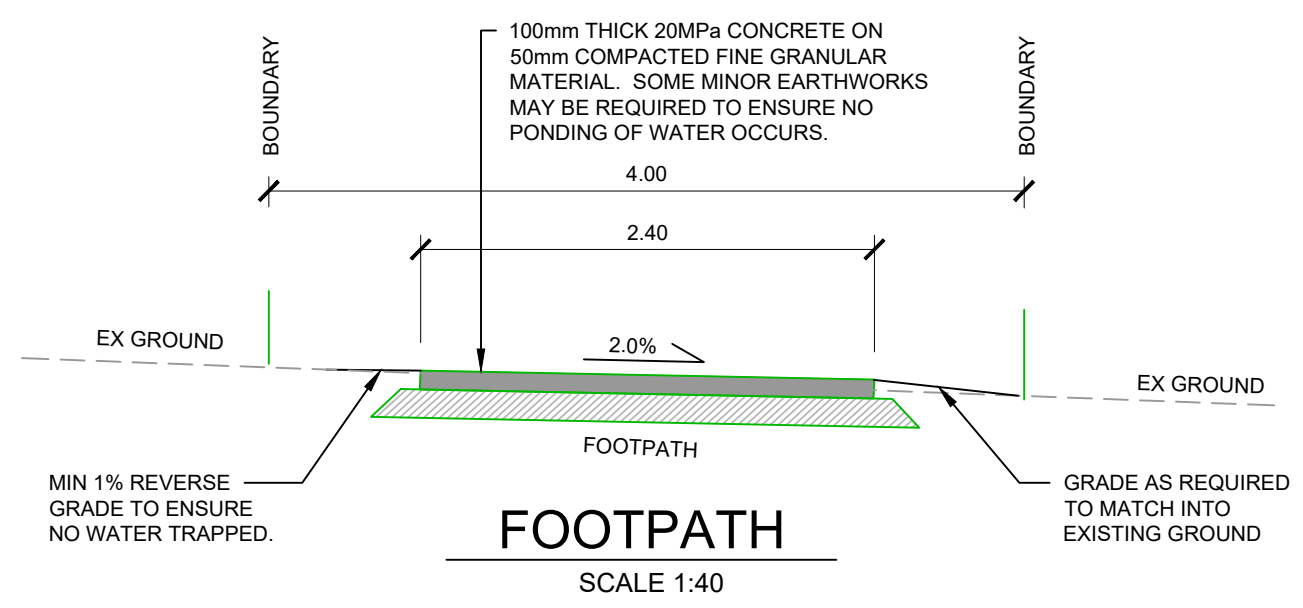
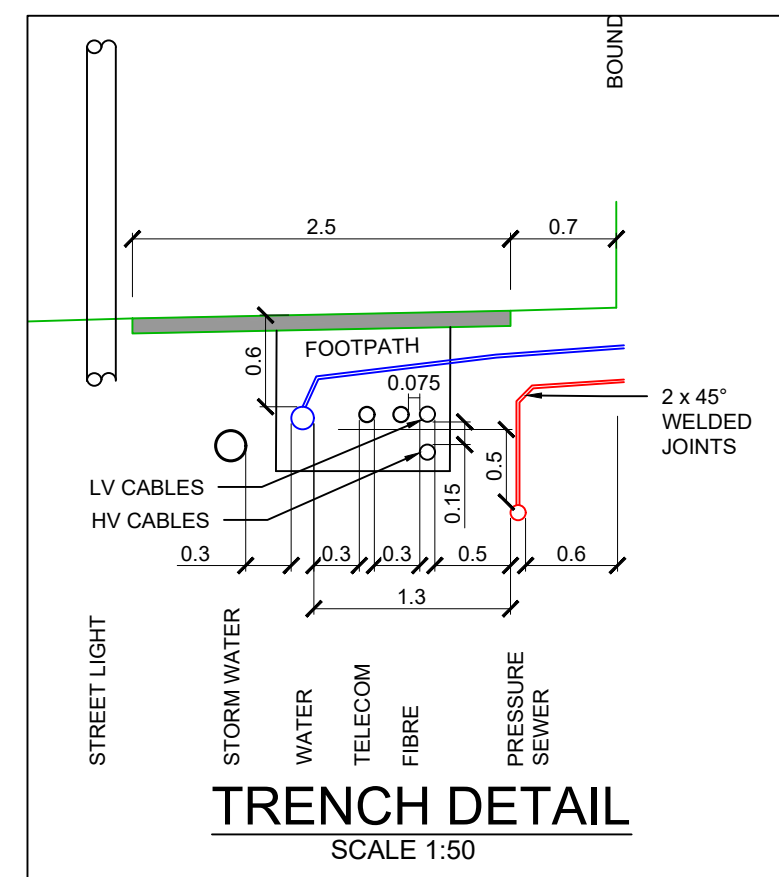
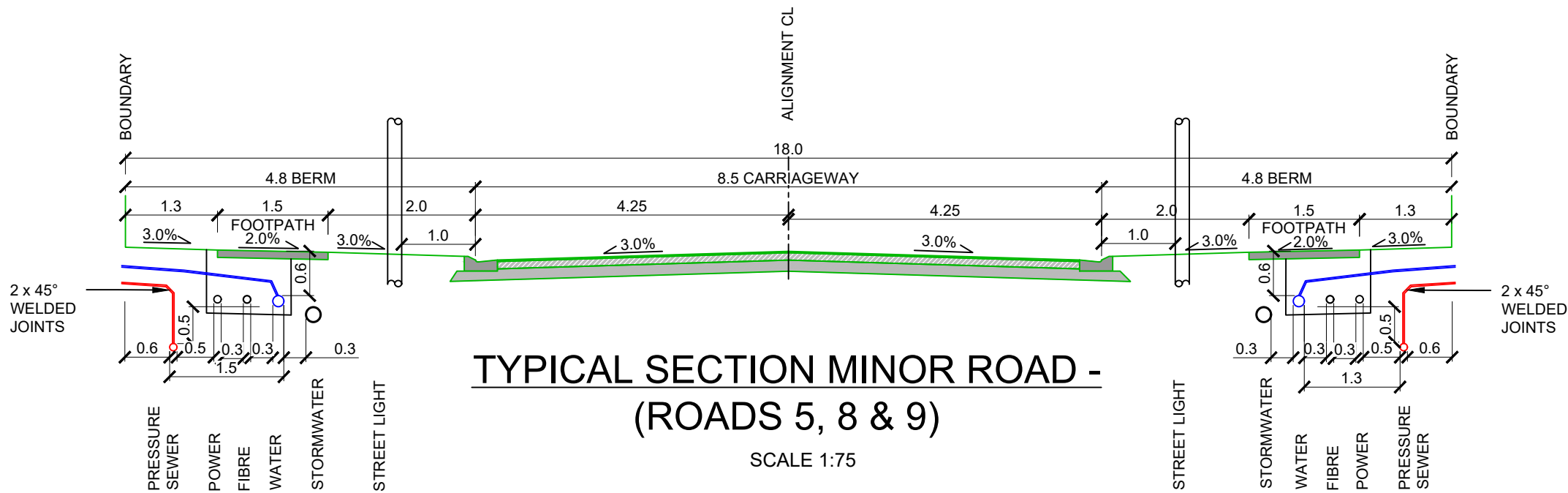
PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
ROADING LAYOUT
SHEET 6

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB506		REVISION A	



PHILIP COOK
WDC IQP#014



SCALE 1:75
3
2
1
0



cook | costello
www.coco.co.nz
Whangarei | Auckland | Wellington | Christchurch

C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
**WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA**

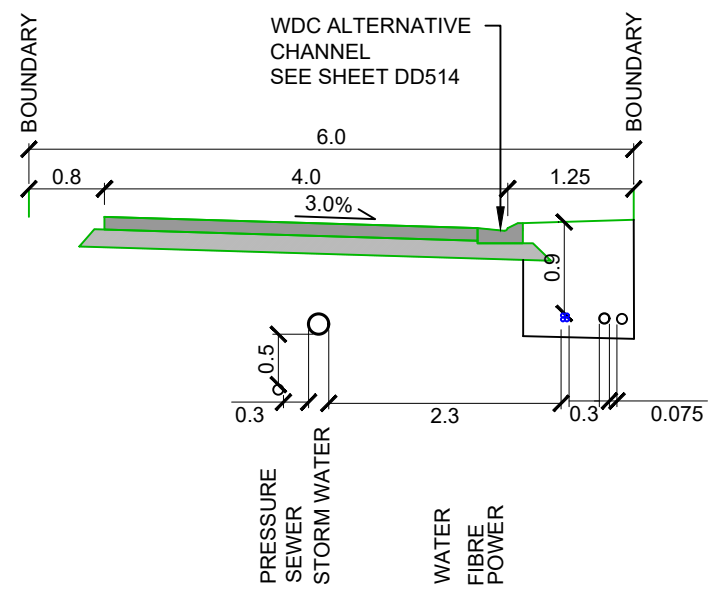
TITLE
**ROADING TYPICAL SECTIONS
SHEET 1**

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE AS SHOWN @ A3	STATUS AS BUILTS	
DWG NUMBER AB510			REVISION A

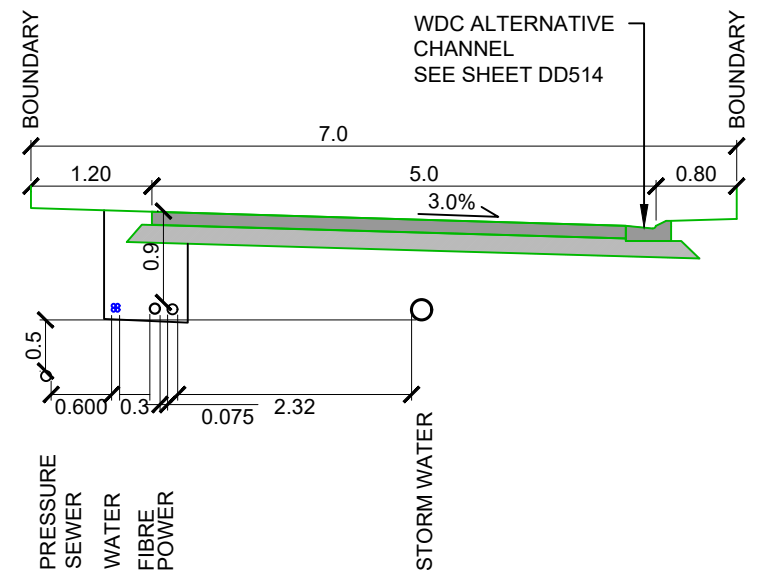
SCALE 1:75
0 1 2 3



PHILIP COOK
WDC IQP#014



TYPICAL SECTION
JOAL 708
SCALE 1:75



TYPICAL SECTION
JOAL 710
SCALE 1:75

SCALE 1:75
3
2
1
0



www.coco.co.nz
Whangarei | Auckland | Wellington | Christchurch

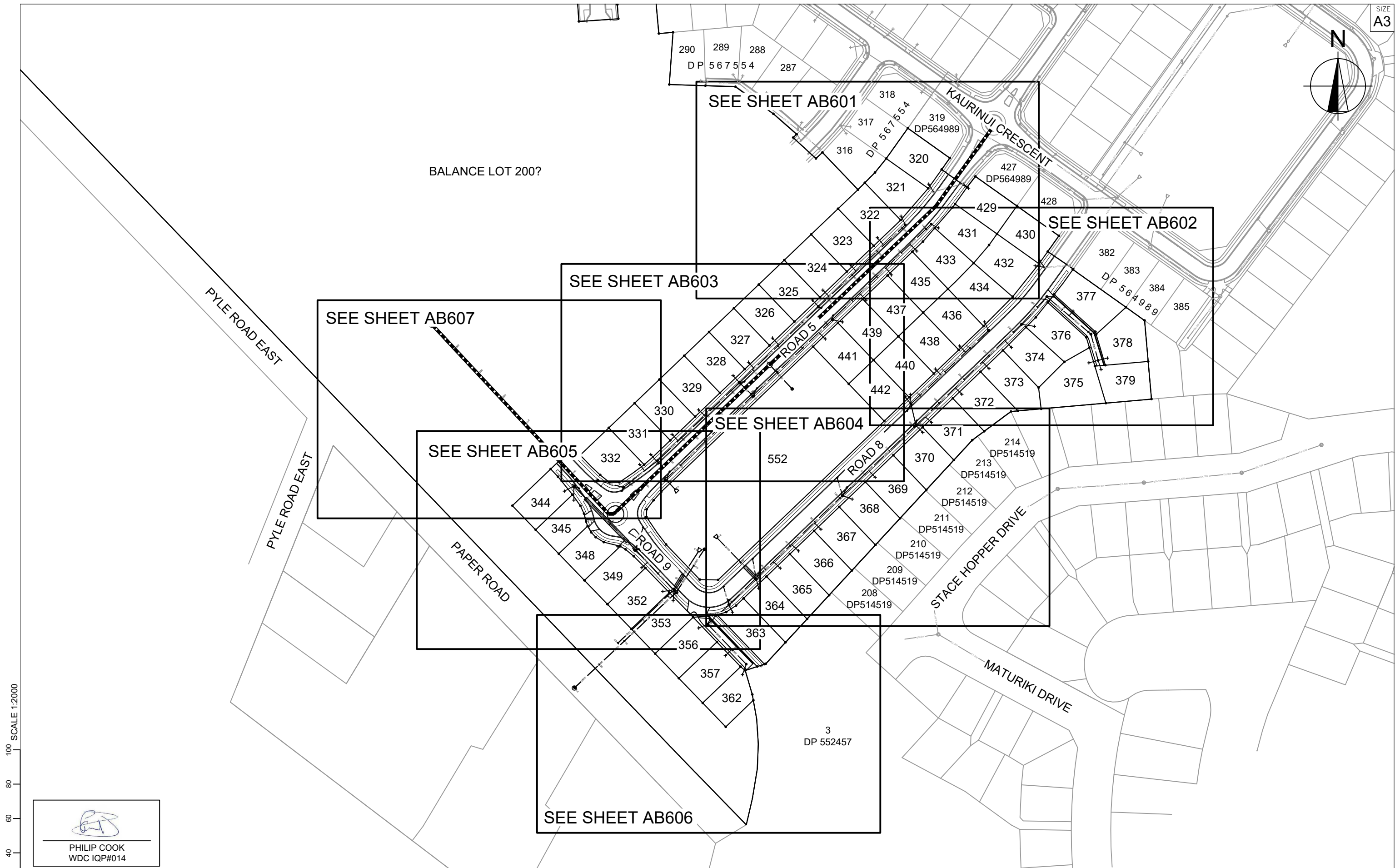
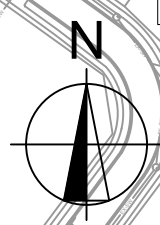
REV.	REVISION DETAILS	DRAWN APP.
C		
B		
A	1st ISSUE	26-08-22 KH PC

PROJECT DETAILS
WFH PROPERTIES LIMITED THE LANDING - STAGE 6 ONE TREE POINT RUAKAKA


TITLE
ROADING TYPICAL SECTIONS SHEET 2

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:75 @ A3	STATUS AS BUILTS	
DWG NUMBER AB511			REVISION A

SCALE 1:75
0 1 2 3



100 SCALE 1:2000
80
60
40
20
0


 PHILIP COOK
 WDC IQP#014



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN	APP.

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
STORMWATER PLAN
OVERVIEW

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:2000 @ A3	STATUS AS BUILTS	
DWG NUMBER AB600		REVISION A	


0 20 40 60 80 100 SCALE 1:2000

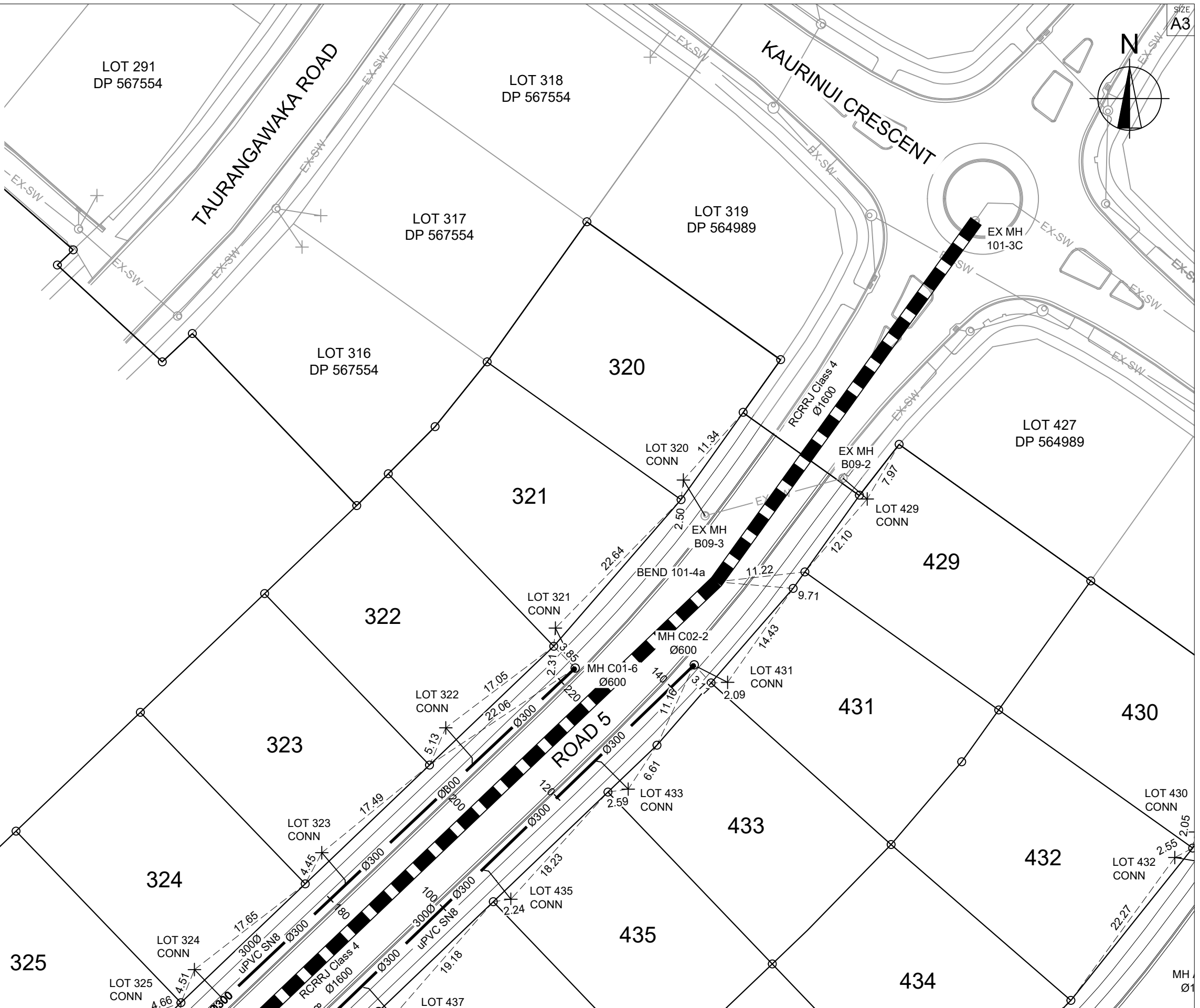


LEGEND

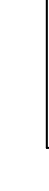
- EX-SW — EXISTING STORMWATER
- ⊙ EXISTING MANHOLES
- ⊞ EXISTING CESSPITS
- Ø375 — STORMWATER PIPES AS PER LONGSECTIONS
- ✕ STORMWATER CONNECTION 100mmID PVC SN16
- STORMWATER HYDRUA CONCRETE MANHOLES WITH STANDARD CONCRETE LIDS
- ⊞ STORMWATER HYDRUA CONCRETE CESSPITS
- ▤ HEADWALLS
- └ END CAP

- NOTES:**
1. ALL PIPES 225Ø - 450Ø ARE uPVC SN8
 2. ALL PIPES 525Ø AND ABOVE ARE HYDRUA RCRRJ CONCRETE
 3. FOR ALL LID LEVELS AND INVERT LEVELS REFER TO LONGSECTIONS AND THE ASSET REGISTER.


 PHILIP COOK
 WDC IQP#014



SCALE 1:500



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS

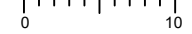
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE

STORMWATER PLAN
SHEET 1

DATE CREATED	26/08/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-006	SCALE	1:500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB601		REVISION	A			

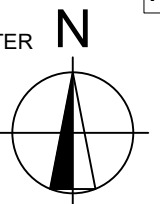
SCALE 1:500



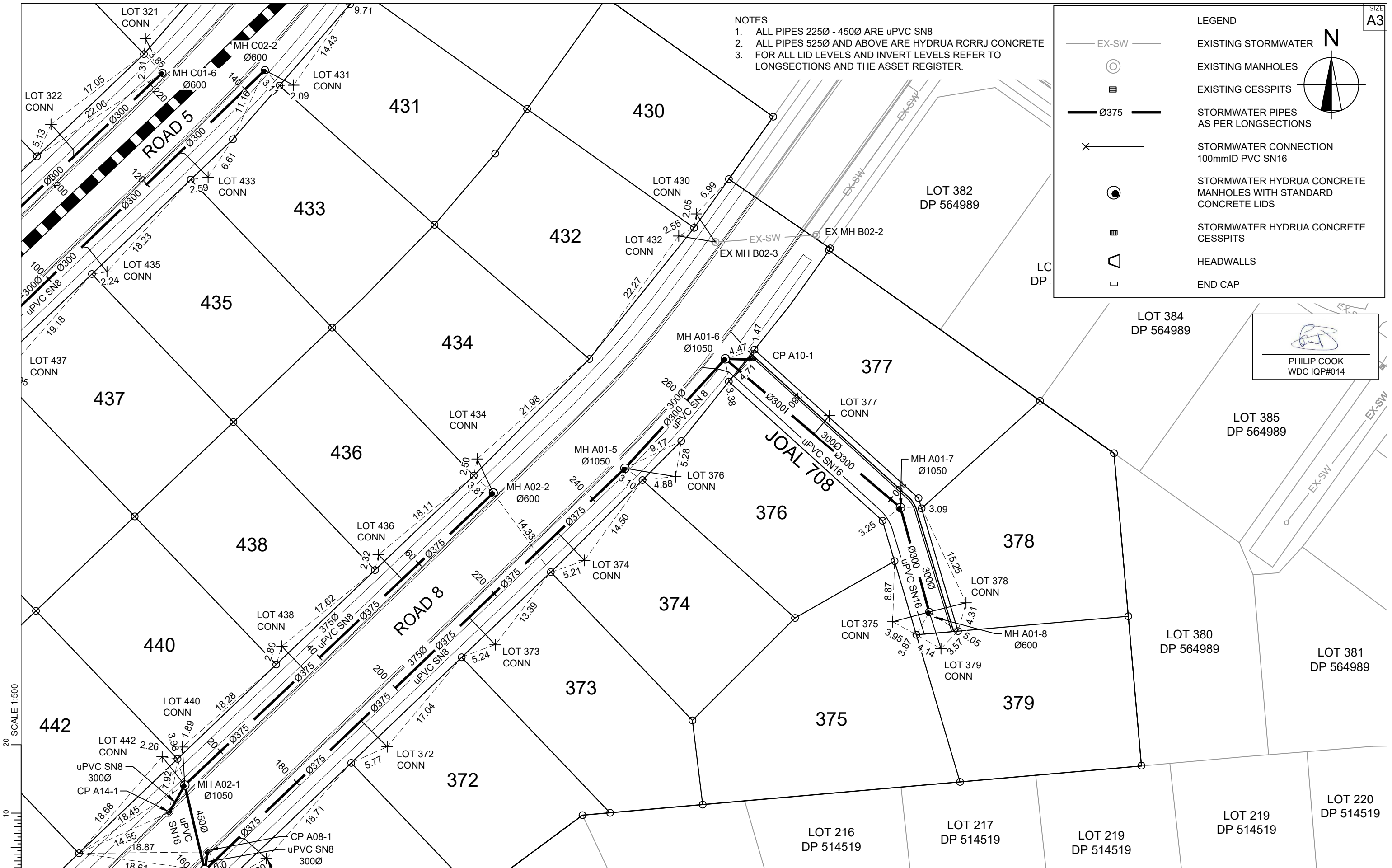
- NOTES:
1. ALL PIPES 225Ø - 450Ø ARE uPVC SN8
 2. ALL PIPES 525Ø AND ABOVE ARE HYDRUA RCRRJ CONCRETE
 3. FOR ALL LID LEVELS AND INVERT LEVELS REFER TO LONGSECTIONS AND THE ASSET REGISTER.

LEGEND

- EX-SW ——— EXISTING STORMWATER
- EXISTING MANHOLES
- EXISTING CESSPITS
- Ø375 — STORMWATER PIPES AS PER LONGSECTIONS
- ✕ STORMWATER CONNECTION 100mmID PVC SN16
- STORMWATER HYDRUA CONCRETE MANHOLES WITH STANDARD CONCRETE LIDS
- STORMWATER HYDRUA CONCRETE CESSPITS
- ▤ HEADWALLS
- └ END CAP



PHILIP COOK
WDC IQP#014



SCALE 1:500



REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	KH	PC

PROJECT DETAILS

WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE

STORMWATER PLAN
SHEET 2

DATE CREATED	26/08/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-006	SCALE	1:500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB602		REVISION	A			

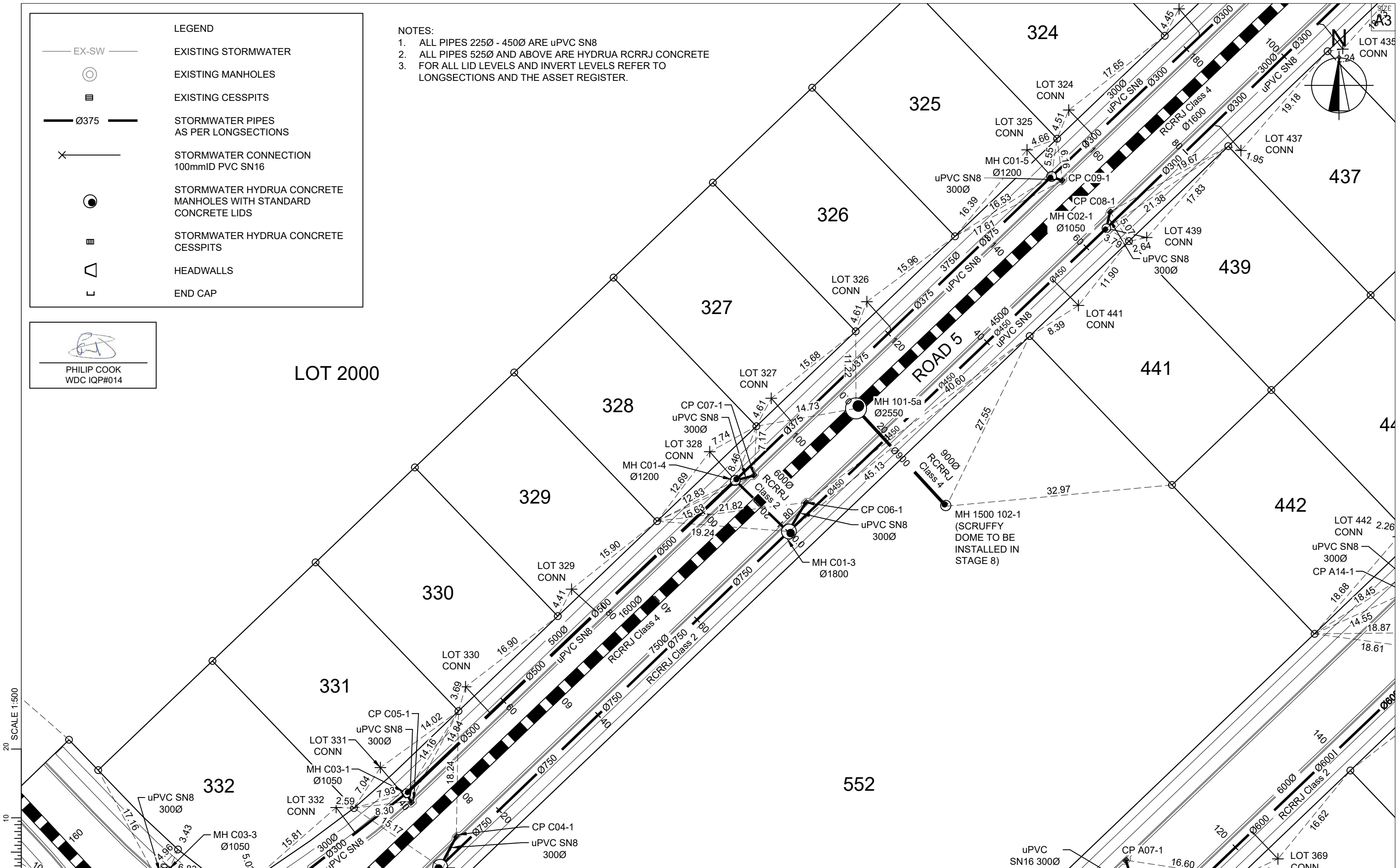
LEGEND

- EX-SW ——— EXISTING STORMWATER
- ⊙ EXISTING MANHOLES
- ⊞ EXISTING CESSPITS
- 375— STORMWATER PIPES AS PER LONGSECTIONS
- ✕ STORMWATER CONNECTION 100mmID PVC SN16
- STORMWATER HYDRUA CONCRETE MANHOLES WITH STANDARD CONCRETE LIDS
- ⊞ STORMWATER HYDRUA CONCRETE CESSPITS
- ▤ HEADWALLS
- L END CAP

NOTES:

- ALL PIPES 225Ø - 450Ø ARE uPVC SN8
- ALL PIPES 525Ø AND ABOVE ARE HYDRUA RCRRJ CONCRETE
- FOR ALL LID LEVELS AND INVERT LEVELS REFER TO LONGSECTIONS AND THE ASSET REGISTER.

PHILIP COOK
WDC IQP#014



SCALE 1:500



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

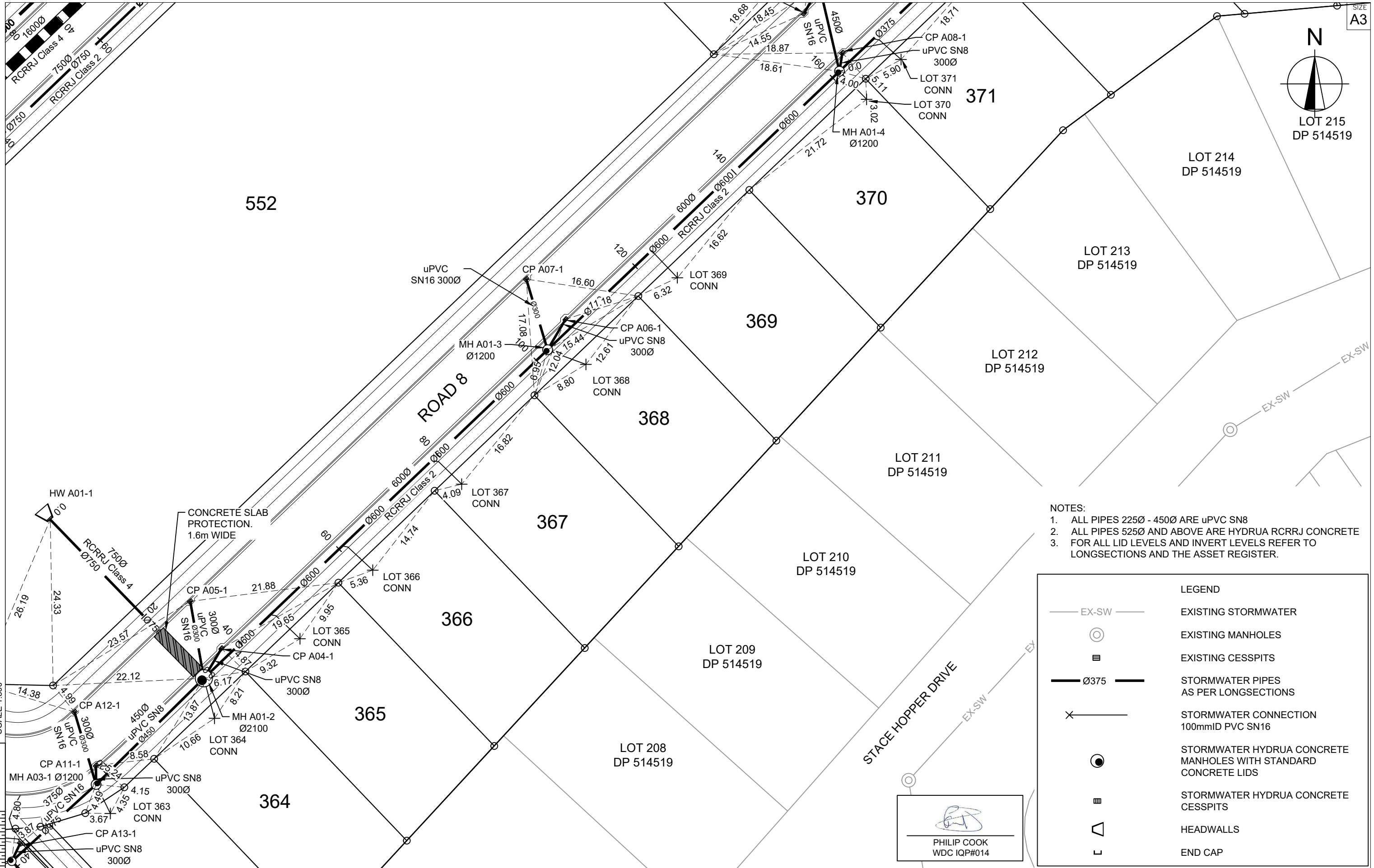
PROJECT DETAILS

WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE

STORMWATER PLAN
SHEET 3

DATE CREATED	26/08/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-006	SCALE	1:500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB603			REVISION	A		

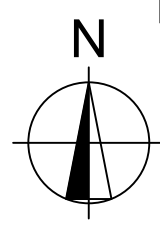


C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS	WFH PROPERTIES LIMITED THE LANDING - STAGE 6 ONE TREE POINT RUAKAKA
-----------------	--

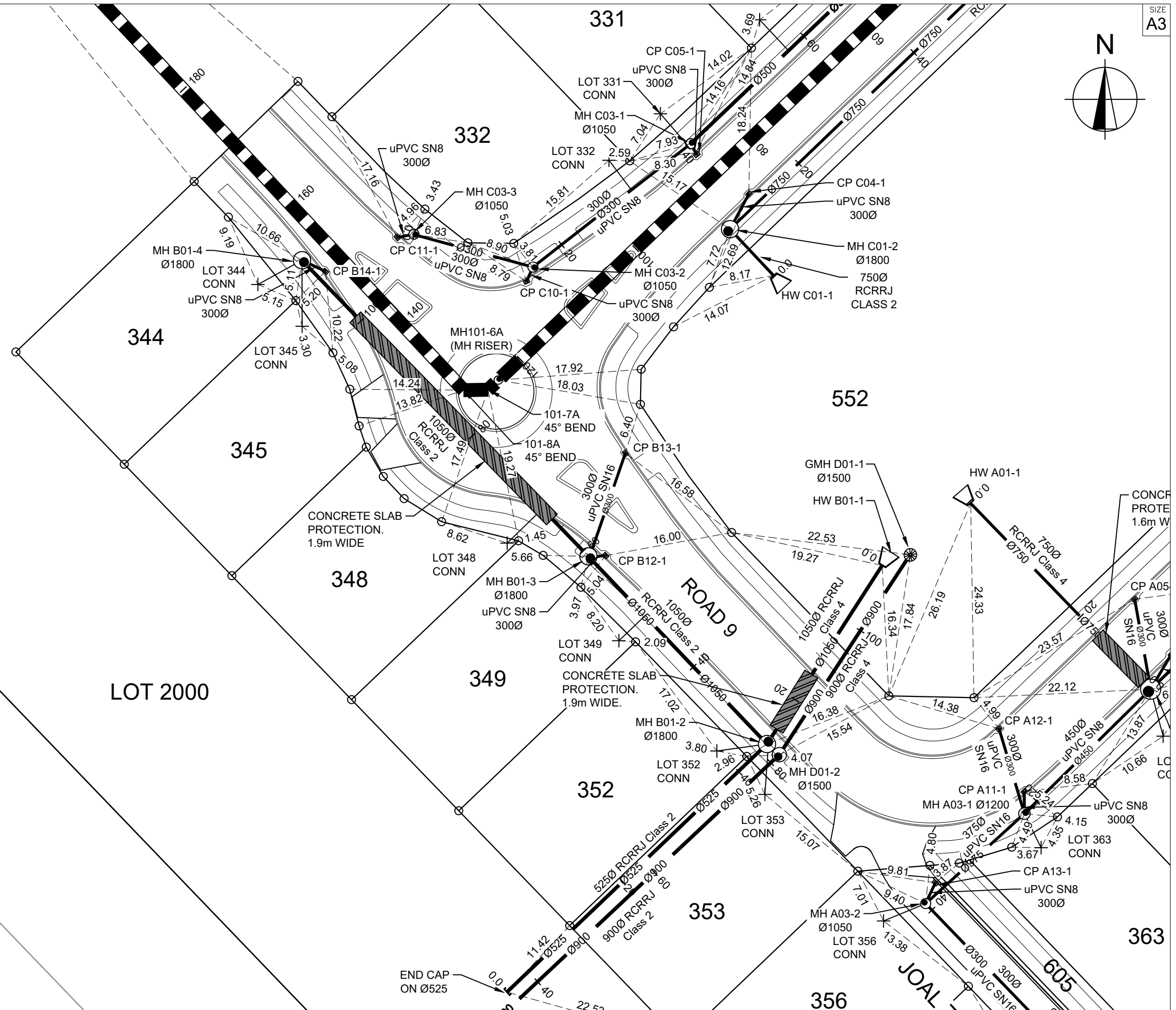
TITLE	STORMWATER PLAN SHEET 4
-------	----------------------------

DATE CREATED	26/08/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-006	SCALE	1:500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB604	REVISION	A				



LEGEND	
— EX-SW —	EXISTING STORMWATER
⊙	EXISTING MANHOLES
⊞	EXISTING CESSPITS
— Ø375 —	STORMWATER PIPES AS PER LONGSECTIONS
✕	STORMWATER CONNECTION 100mmID PVC SN16
●	STORMWATER HYDRUA CONCRETE MANHOLES WITH STANDARD CONCRETE LIDS
⊞	STORMWATER HYDRUA CONCRETE CESSPITS
▤	HEADWALLS
L	END CAP

- NOTES:
1. ALL PIPES 225Ø - 450Ø ARE uPVC SN8
 2. ALL PIPES 525Ø AND ABOVE ARE HYDRUA RCRRJ CONCRETE
 3. FOR ALL LID LEVELS AND INVERT LEVELS REFER TO LONGSECTIONS AND THE ASSET REGISTER.



SCALE 1:500

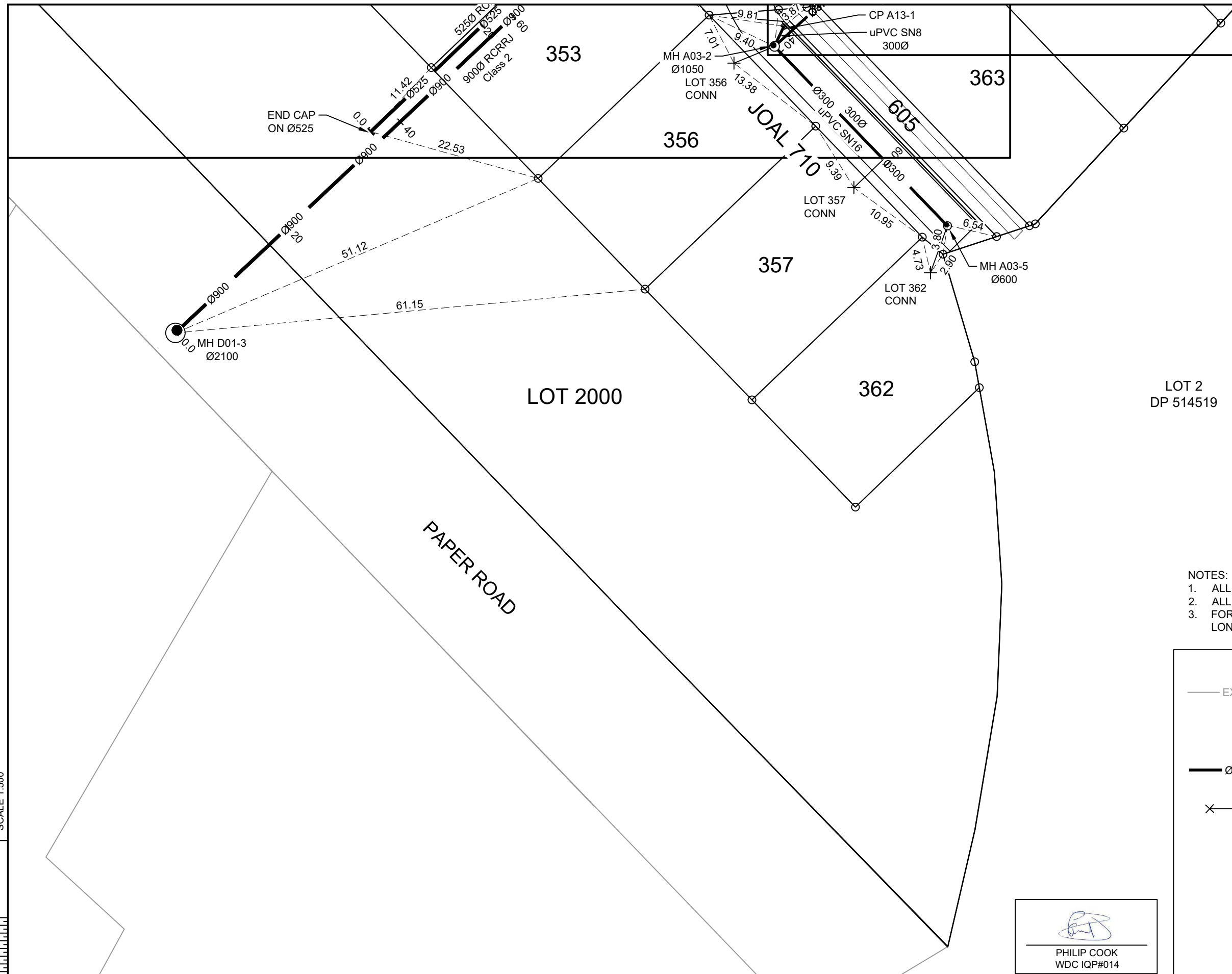
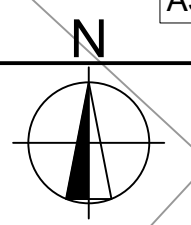
PHILIP COOK
WDC IQP#014



REV.	REVISION DETAILS	DRAWN APP.
C		
B		
A	1st ISSUE	26-08-22 KH PC

PROJECT DETAILS	
WFH PROPERTIES LIMITED THE LANDING - STAGE 6 ONE TREE POINT RUAKAKA	TITLE STORMWATER PLAN SHEET 5

DATE CREATED	DRAWN	DESIGNED	APPROVED
26/08/2022	K HANSARD	R BROOKES	P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	REVISION A
DWG NUMBER AB605			



- NOTES:
1. ALL PIPES 225Ø - 450Ø ARE uPVC SN8
 2. ALL PIPES 525Ø AND ABOVE ARE HYDRUA RCRRJ CONCRETE
 3. FOR ALL LID LEVELS AND INVERT LEVELS REFER TO LONGSECTIONS AND THE ASSET REGISTER.

LEGEND	
	EX-SW EXISTING STORMWATER
	EXISTING MANHOLES
	EXISTING CESSPITS
	Ø375 STORMWATER PIPES AS PER LONGSECTIONS
	STORMWATER CONNECTION 100mmID PVC SN16
	STORMWATER HYDRUA CONCRETE MANHOLES WITH STANDARD CONCRETE LIDS
	STORMWATER HYDRUA CONCRETE CESSPITS
	HEADWALLS
	END CAP

PHILIP COOK
WDC IQP#014



REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	KH	PC

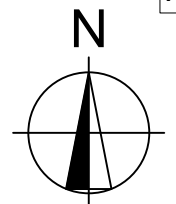
PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
STORMWATER PLAN
SHEET 6

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB606		REVISION A	

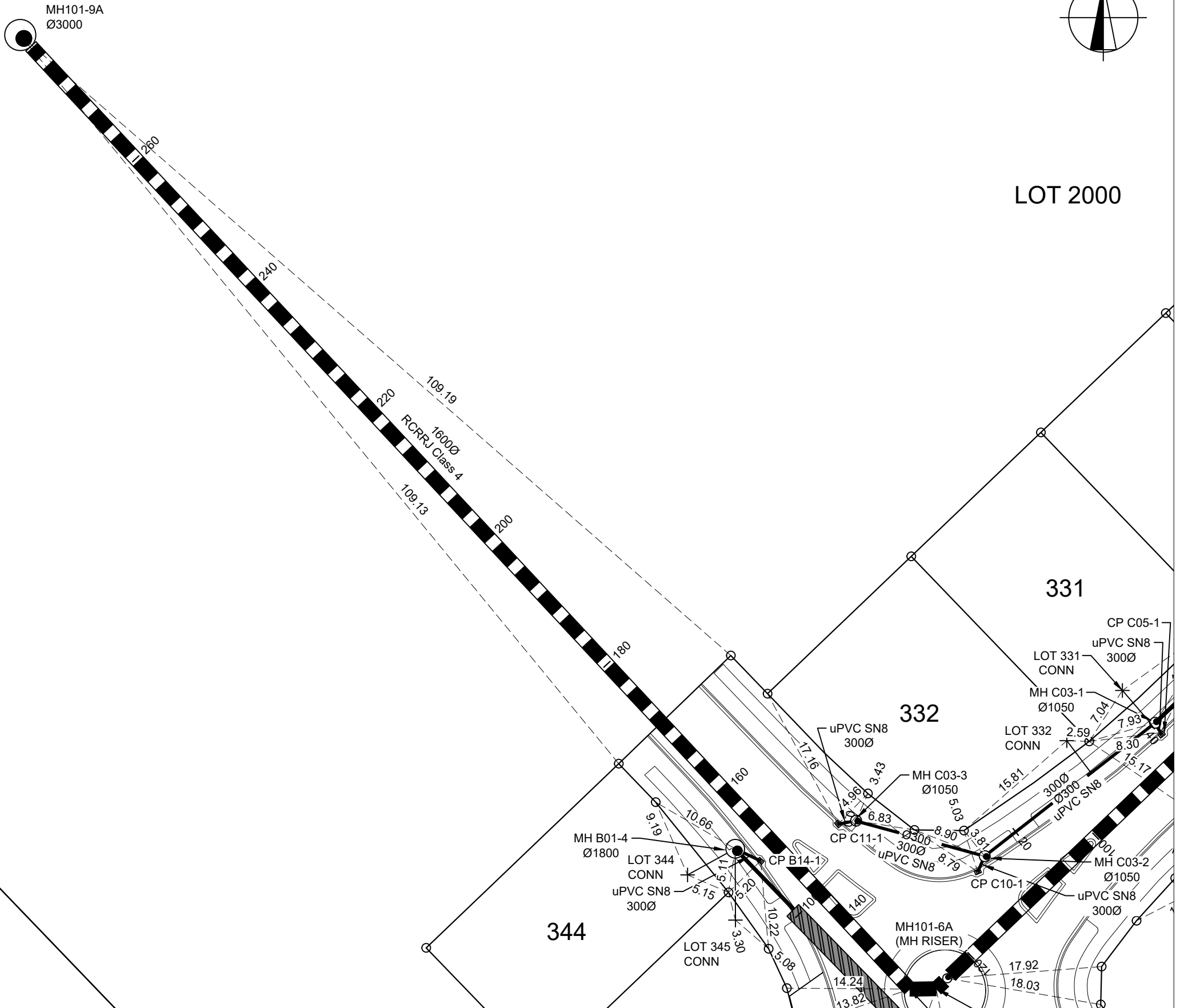
SCALE 1:500

SCALE 1:500



- NOTES:
1. ALL PIPES 225Ø - 450Ø ARE uPVC SN8
 2. ALL PIPES 525Ø AND ABOVE ARE HYDRUA RCRRJ CONCRETE
 3. FOR ALL LID LEVELS AND INVERT LEVELS REFER TO LONGSECTIONS AND THE ASSET REGISTER.

LEGEND	
	EX-SW EXISTING STORMWATER
	EXISTING MANHOLES
	EXISTING CESSPITS
	STORMWATER PIPES AS PER LONGSECTIONS
	STORMWATER CONNECTION 100mmID PVC SN16
	STORMWATER HYDRUA CONCRETE MANHOLES WITH STANDARD CONCRETE LIDS
	STORMWATER HYDRUA CONCRETE CESSPITS
	HEADWALLS
	END CAP



SCALE 1:500

PHILIP COOK
WDC IQP#014



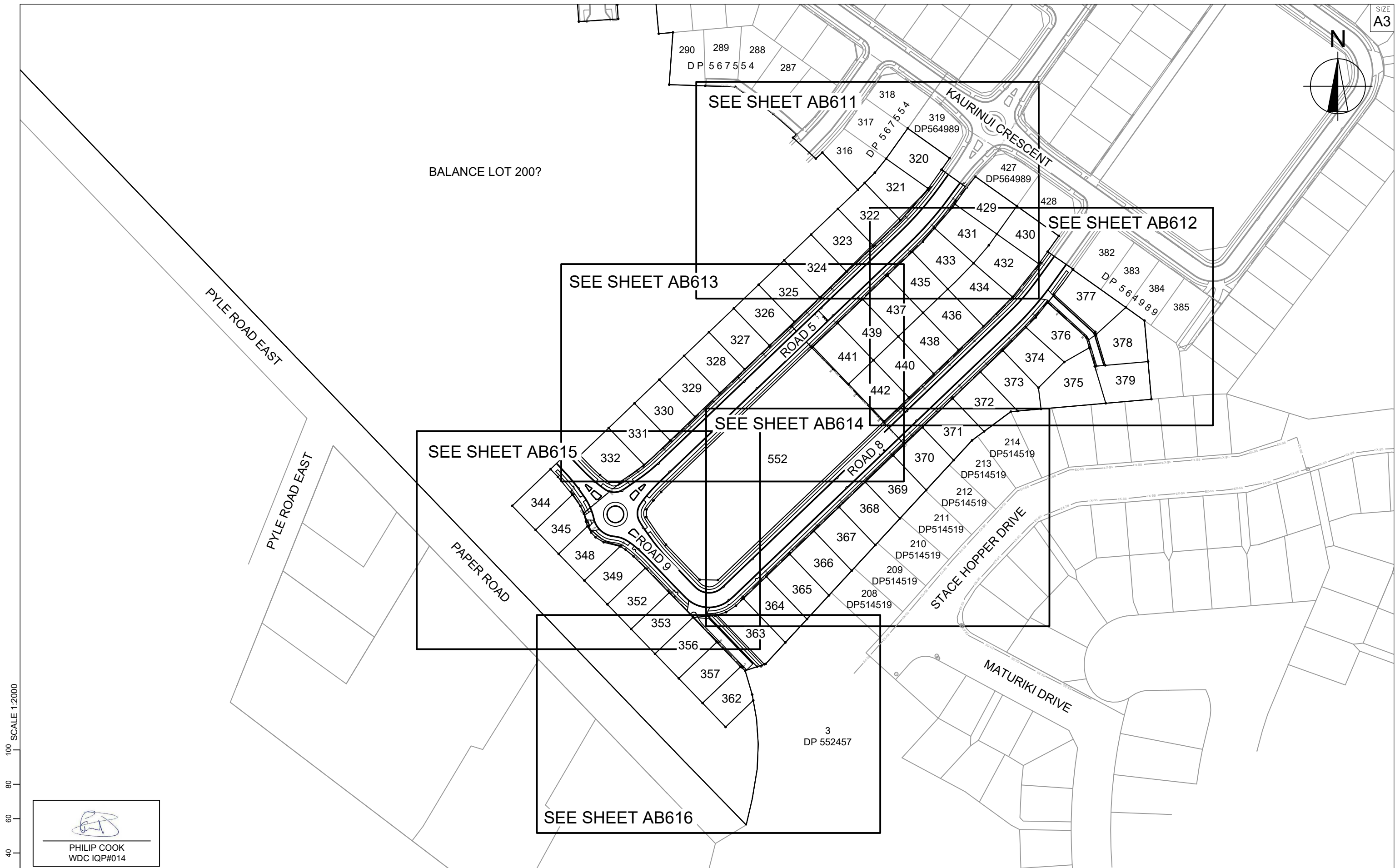
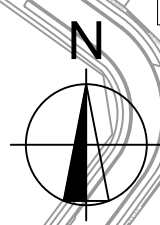
REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	KH	PC
26-08-22			

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA


TITLE
STORMWATER PLAN
SHEET 7

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB607	REVISION A		

SCALE 1:500



0 20 40 60 80 100 SCALE 1:2000


 PHILIP COOK
 WDC IQP#014



C		
B		
A	1st ISSUE	26-08-22 KH PC
REV.	REVISION DETAILS	DRAWN APP.

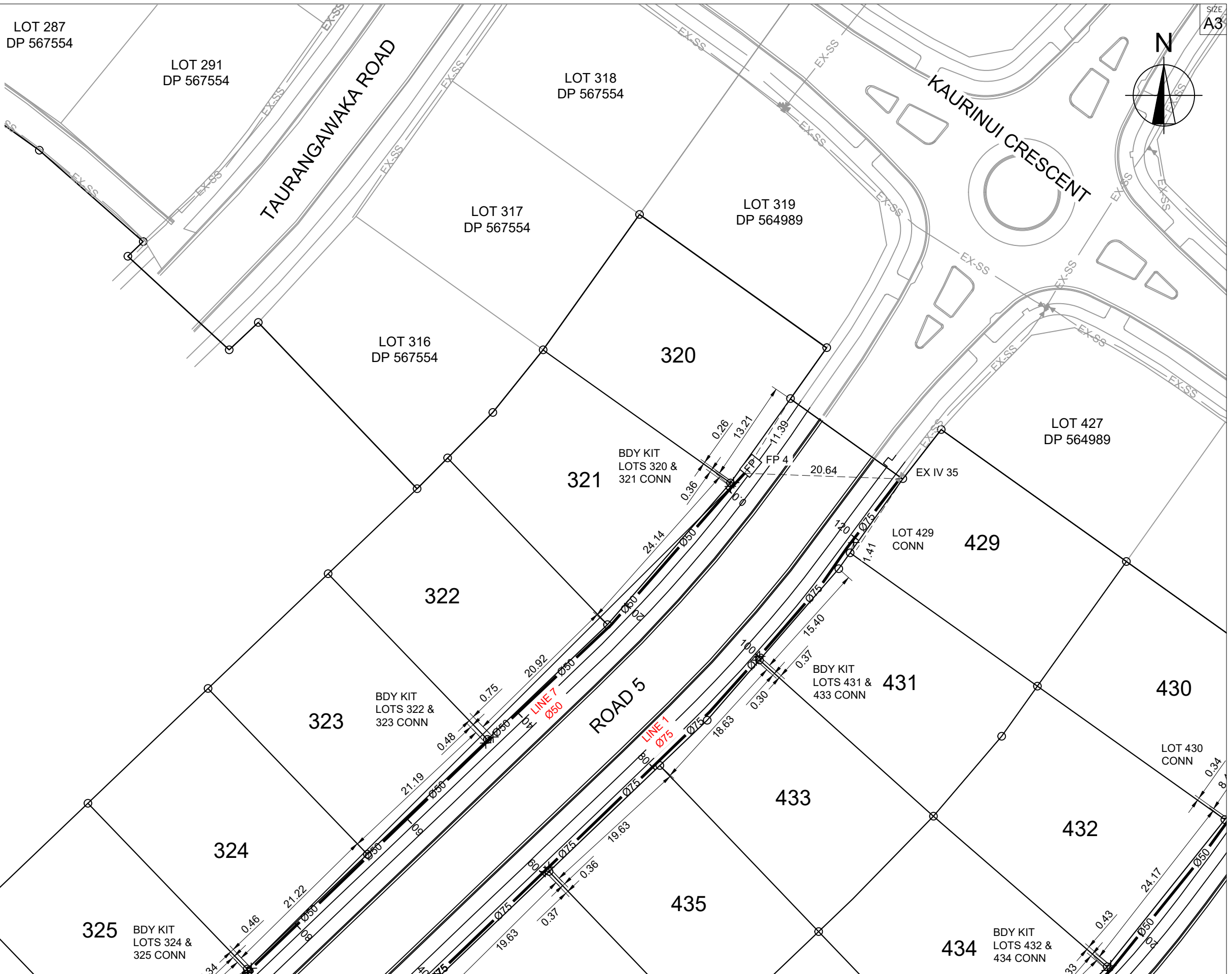
PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
SANITARY SEWER PLAN
OVERVIEW

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:2000 @ A3	STATUS AS BUILTS	
DWG NUMBER AB610		REVISION A	

LEGEND

- EX-SS — EXISTING SEWER
- ⊙ EXISTING MANHOLES
- Ø110 — LOW PRESSURE SEWER
- ⊘ ISOLATION VALVE
- FP FLUSH POINT
- EC END CAP
- X — LPS LATERALS SHALL BE 40mmID PE



SCALE 1:500

PHILIP COOK
WDC IQP#014

cook | costello
www.coco.co.nz
Whangarei | Auckland | Wellington | Christchurch

C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

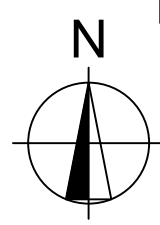
PROJECT DETAILS

WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

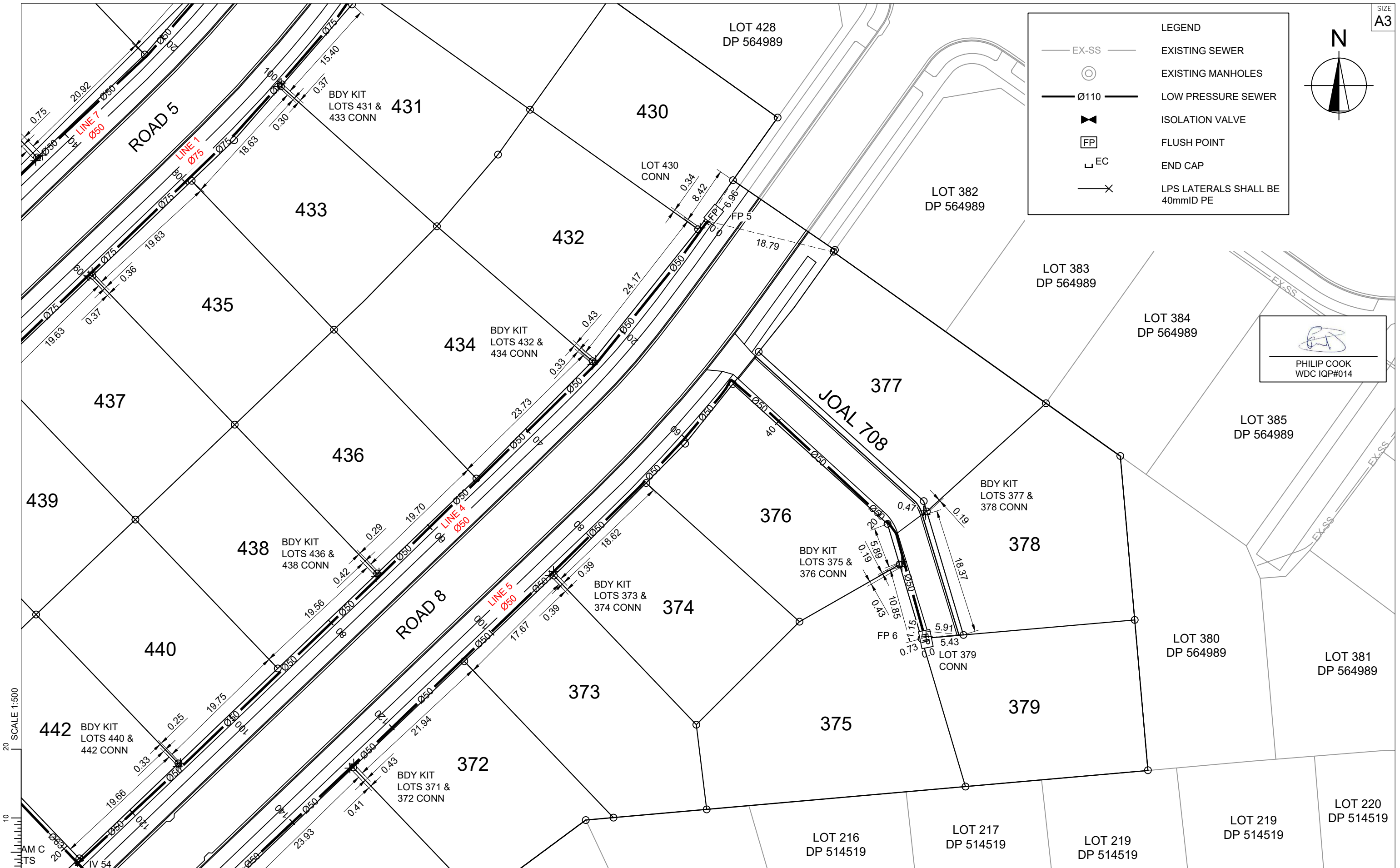
TITLE


SANITARY SEWER PLAN
SHEET 1

DATE CREATED	26/08/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-006	SCALE	1:500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB611		REVISION	A			



LEGEND	
— EX-SS —	EXISTING SEWER
⊙	EXISTING MANHOLES
— Ø110 —	LOW PRESSURE SEWER
⊘	ISOLATION VALVE
□ FP	FLUSH POINT
└ EC	END CAP
— X —	LPS LATERALS SHALL BE 40mmID PE




 PHILIP COOK
 WDC IQP#014

SCALE 1:500
 0 10 20



REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	KH	PC


PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
SANITARY SEWER PLAN
SHEET 2

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB612		REVISION A	

SCALE 1:500
 0 10 20

LEGEND	
— EX-SS —	EXISTING SEWER
⊙	EXISTING MANHOLES
— Ø110 —	LOW PRESSURE SEWER
⊘	ISOLATION VALVE
FP	FLUSH POINT
└ EC	END CAP
— X	LPS LATERALS SHALL BE 40mmID PE


 PHILIP COOK
 WDC IQP#014



SCALE 1:500

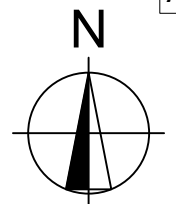


REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	KH	PC

PROJECT DETAILS	
WFH PROPERTIES LIMITED THE LANDING - STAGE 6 ONE TREE POINT RUAKAKA	

TITLE	
SANITARY SEWER PLAN SHEET 3	

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB613		REVISION A	



LOT 215
DP 514519

LOT 214
DP 514519

LOT 213
DP 514519

LOT 212
DP 514519

LOT 211
DP 514519

LOT 210
DP 514519

LOT 209
DP 514519

LOT 208
DP 514519

552

371

370

369

368

367

366

365

364

ROAD 8

LINE 6
Ø50

STAGE HOPPER DRIVE

SEE DIAGRAM C
FOR OFFSETS
SHEET AB617

SEE DIAGRAM D
FOR OFFSETS
SHEET AB617


BDY KIT
LOTS 369 &
370 CONN

BDY KIT
LOTS 367 &
368 CONN

BDY KIT
LOTS 365 &
366 CONN

BDY KIT
LOTS 363 &
364 CONN

LEGEND	
— EX-SS —	EXISTING SEWER
⊙	EXISTING MANHOLES
— Ø110 —	LOW PRESSURE SEWER
✂	ISOLATION VALVE
FP	FLUSH POINT
└ EC	END CAP
— X	LPS LATERALS SHALL BE 40mm ID PE


PHILIP COOK
WDC IQP#014

SCALE 1:500

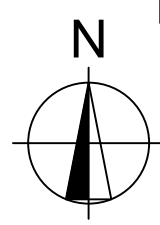


REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	KH	PC

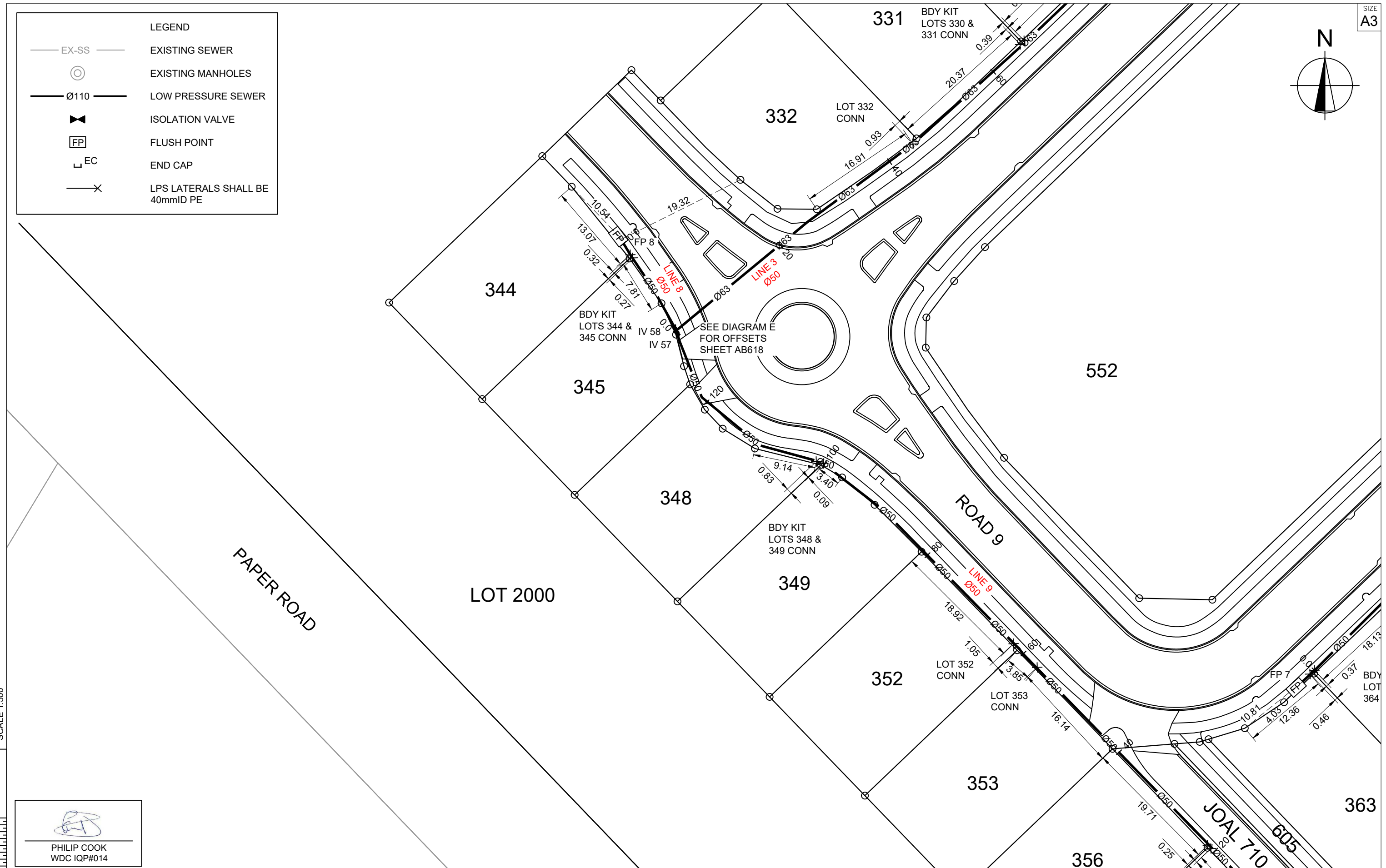
PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
SANITARY SEWER PLAN
SHEET 4

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB614		REVISION A	



LEGEND	
— EX-SS —	EXISTING SEWER
⊙	EXISTING MANHOLES
— Ø110 —	LOW PRESSURE SEWER
✂	ISOLATION VALVE
FP	FLUSH POINT
└ EC	END CAP
— X —	LPS LATERALS SHALL BE 40mmID PE



SCALE 1:500

PHILIP COOK
WDC IQP#014



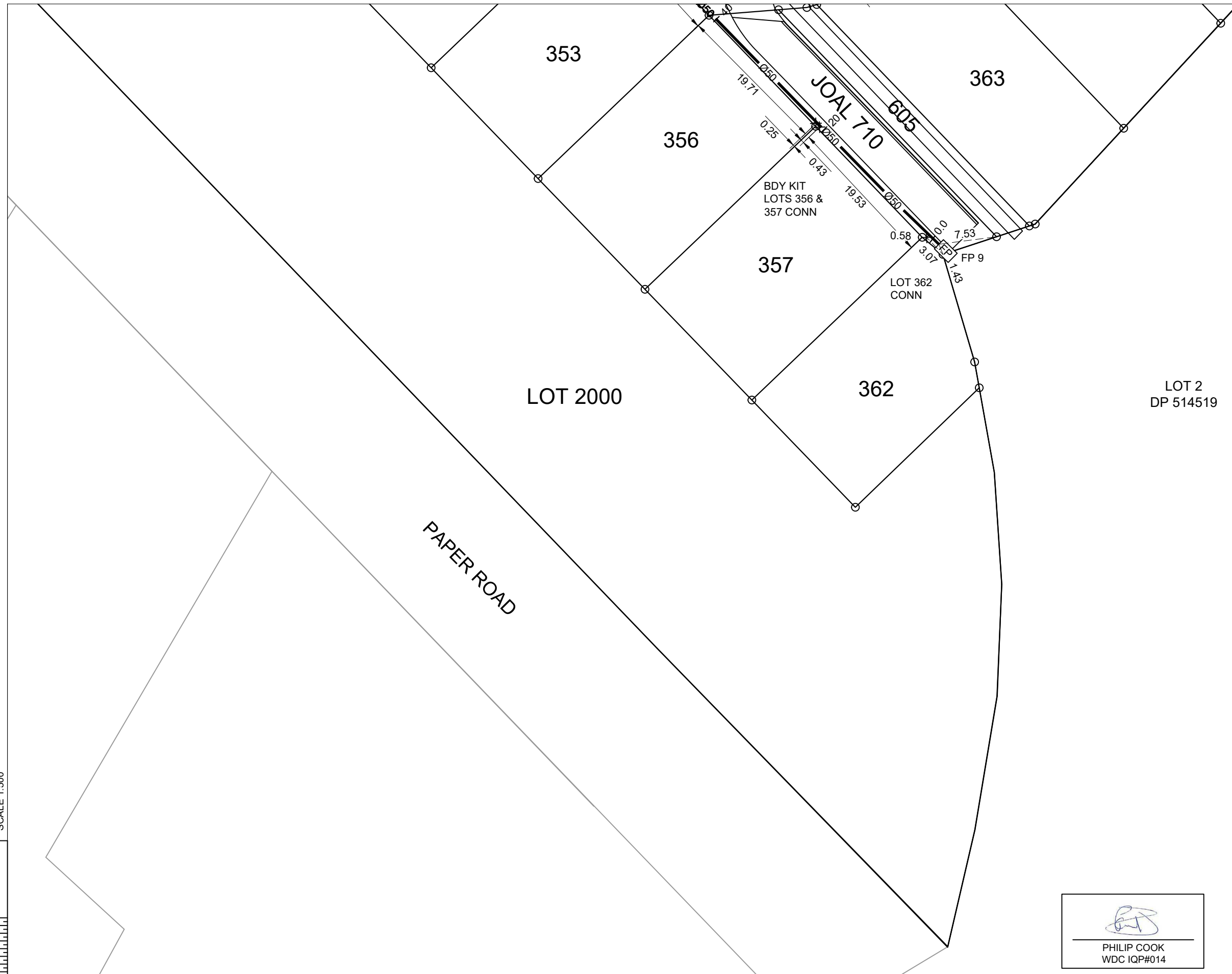
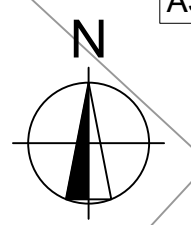
REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	KH	PC

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
SANITARY SEWER PLAN
SHEET 5

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB615		REVISION A	

SCALE 1:500



SCALE 1:500

PAPER ROAD

LOT 2000

356

357

362

363


LOT 2
DP 514519

JOAL 710

BDY KIT
LOTS 356 &
357 CONN

LOT 362
CONN

FP 9


PHILIP COOK
WDC IQP#014

LEGEND	
— EX-SS —	EXISTING SEWER
⊙	EXISTING MANHOLES
— Ø110 —	LOW PRESSURE SEWER
✂	ISOLATION VALVE
FP	FLUSH POINT
└ EC	END CAP
— X	LPS LATERALS SHALL BE 40mmID PE



REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	KH	PC

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
SANITARY SEWER PLAN
SHEET 6

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB616		REVISION A	

DIAGRAM A

SCALE 1:75

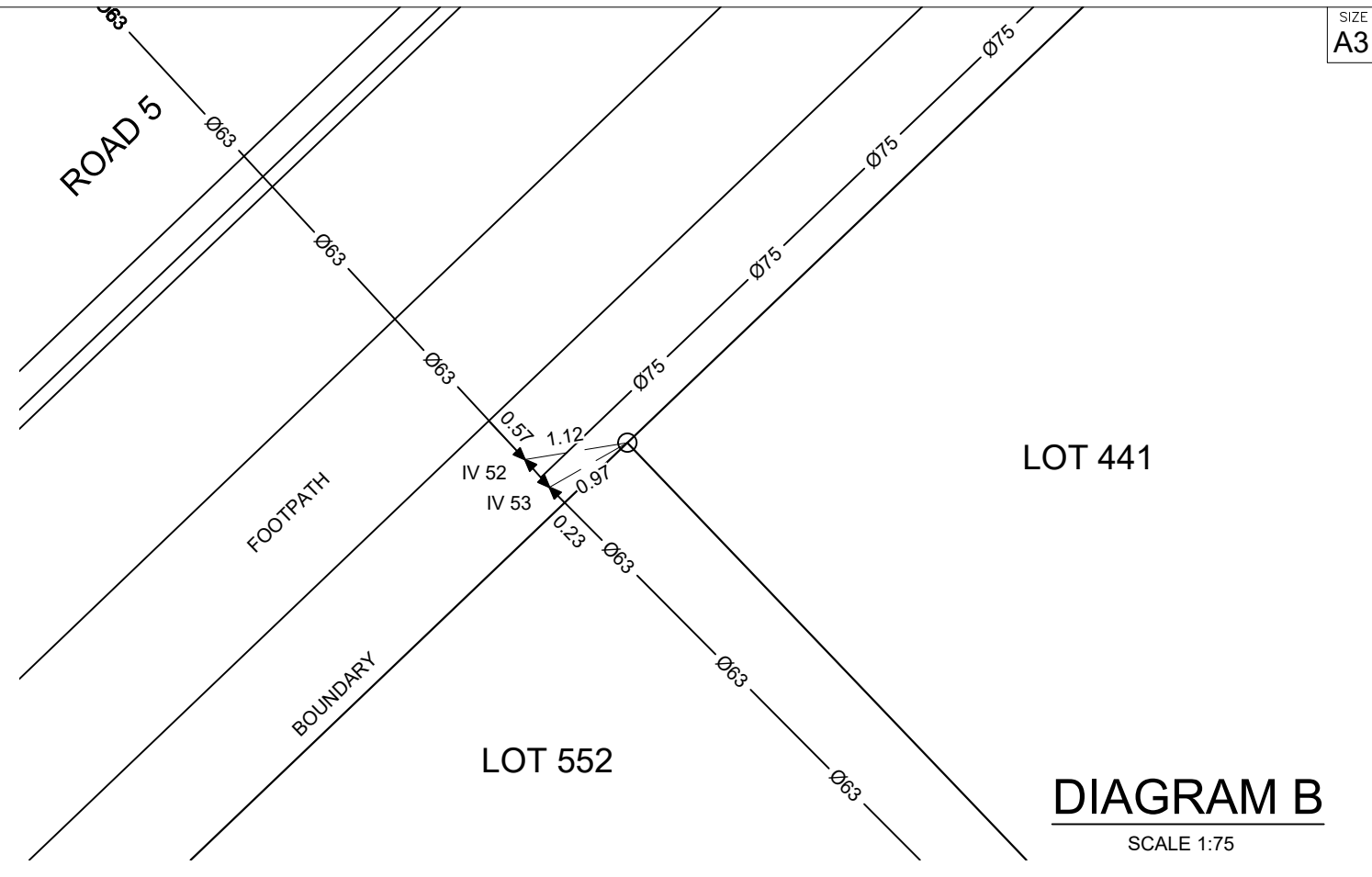
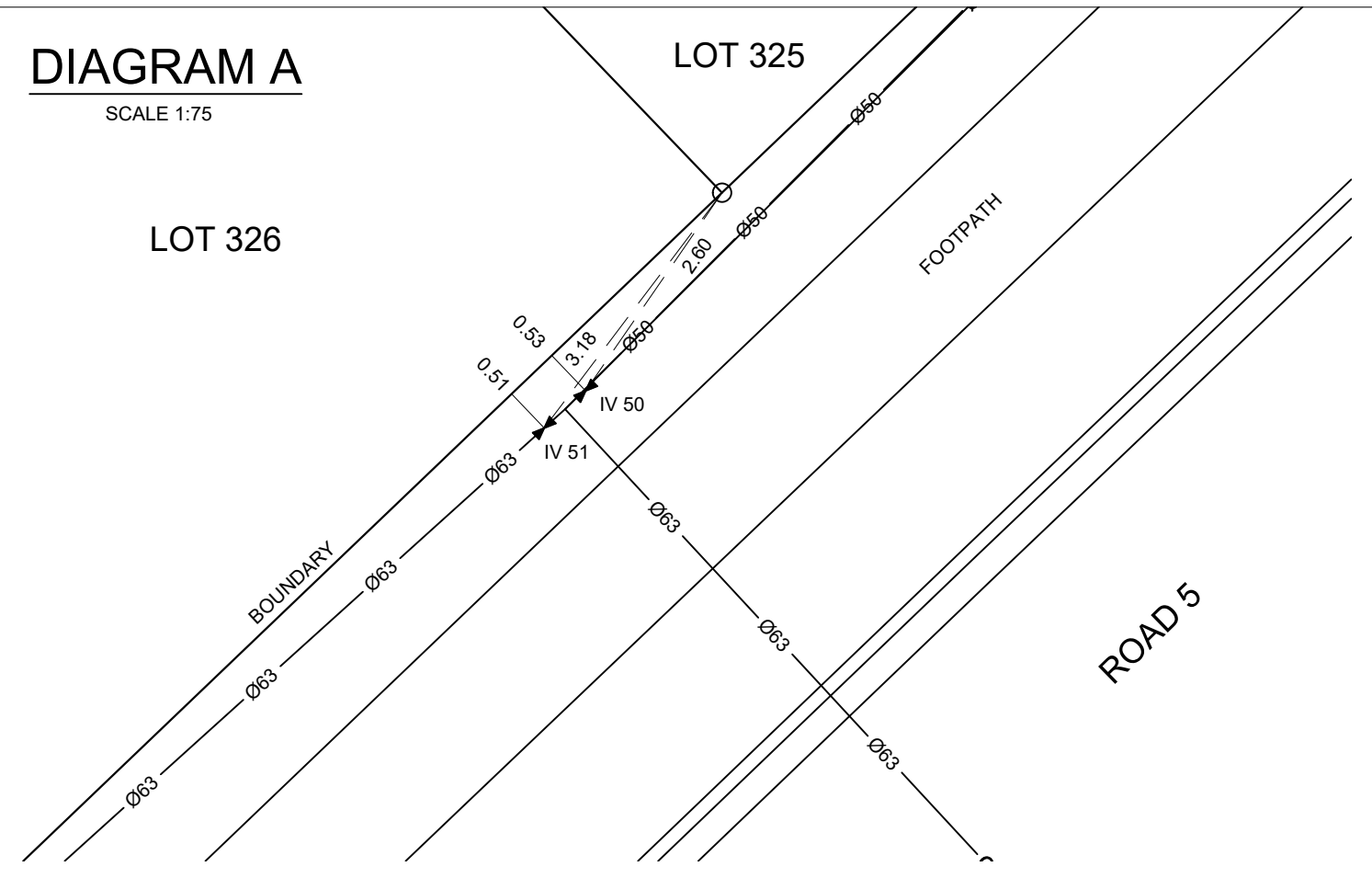


DIAGRAM B

SCALE 1:75

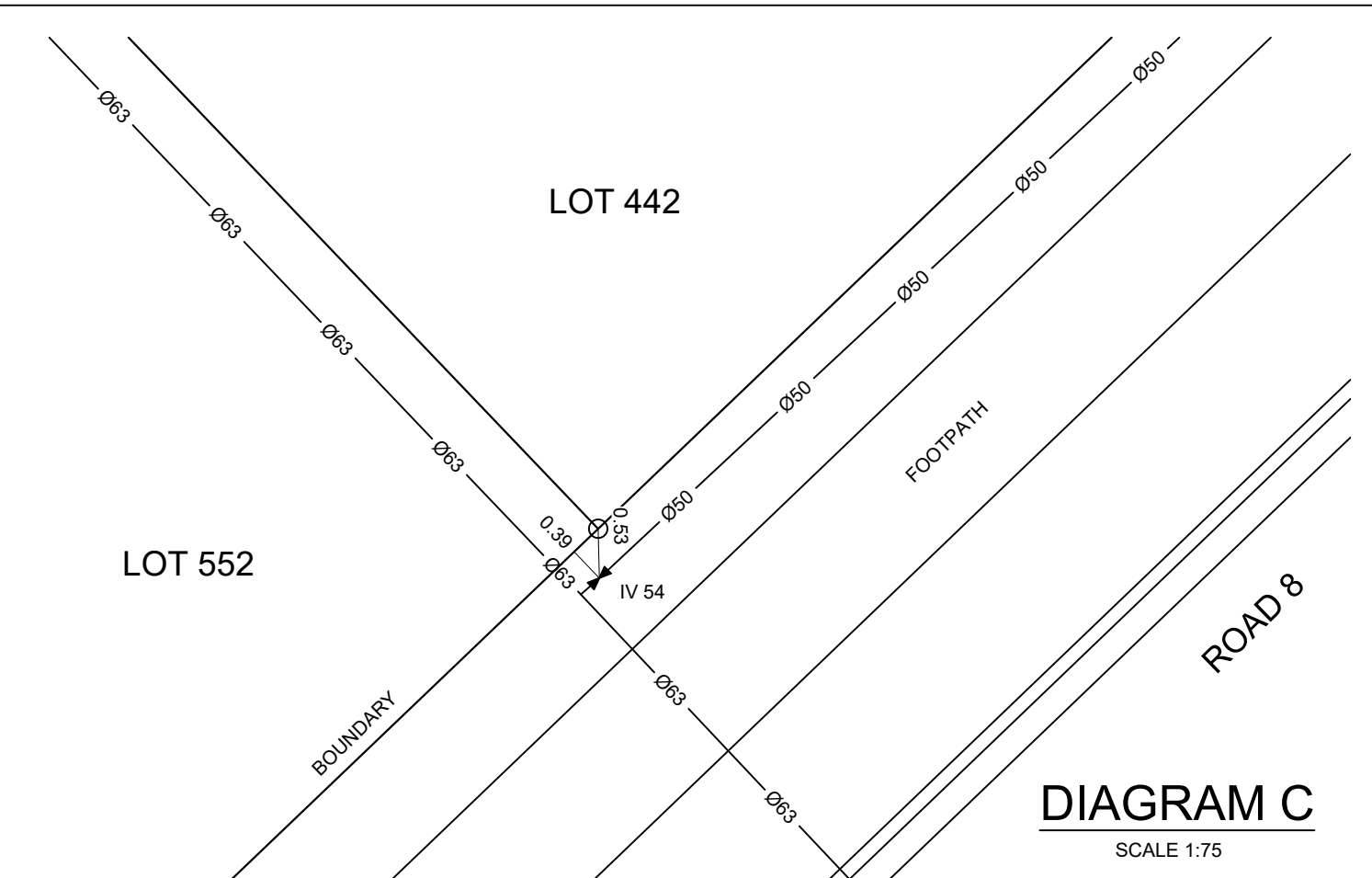


DIAGRAM C

SCALE 1:75

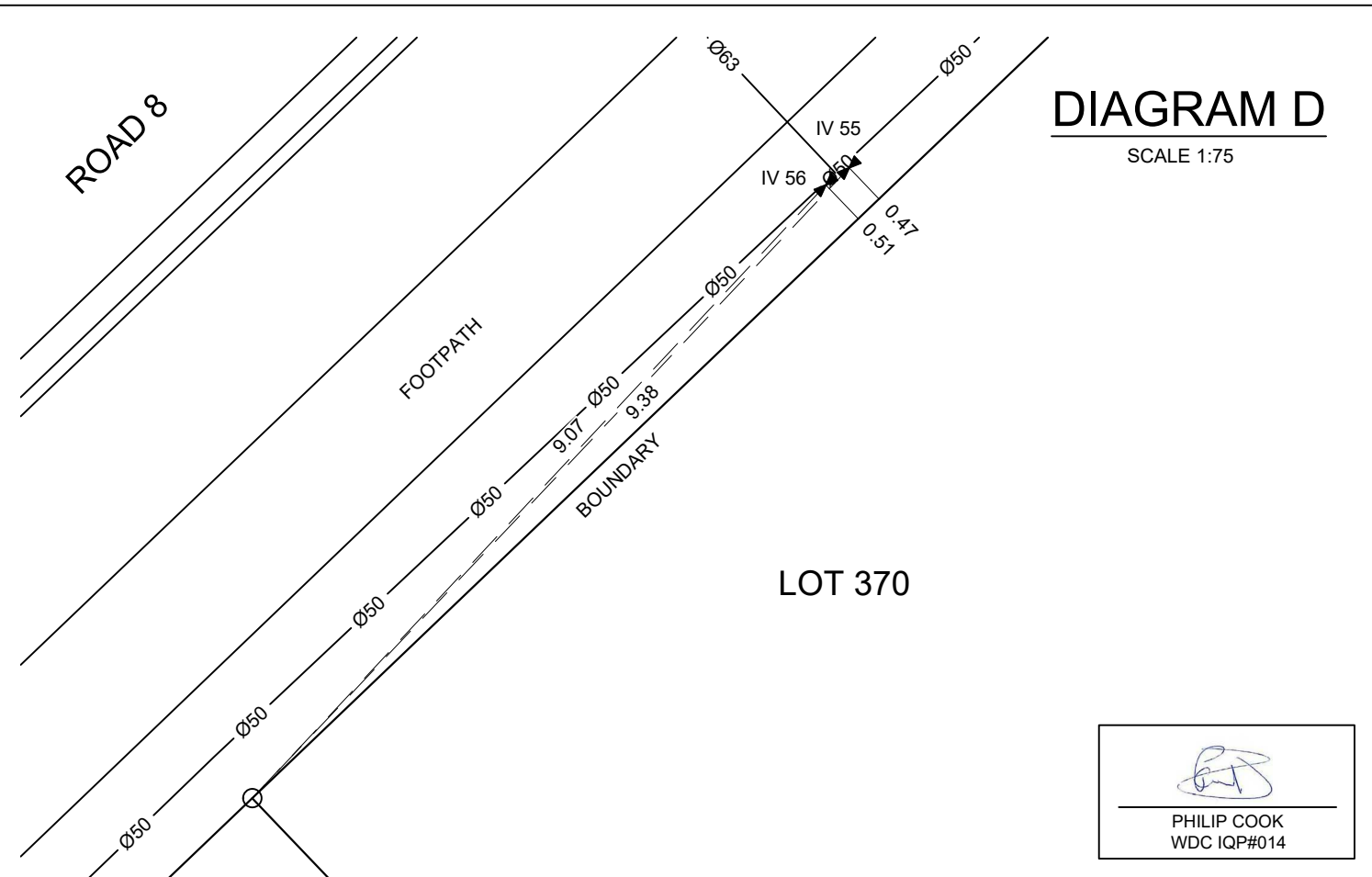


DIAGRAM D

SCALE 1:75

SCALE 1:75
0
1
2
3



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
SANITARY SEWER PLAN
SHEET 7

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:75 @ A3	STATUS AS BUILTS	
DWG NUMBER AB617		REVISION A	

PHILIP COOK
WDC IQP#014

SCALE 1:75

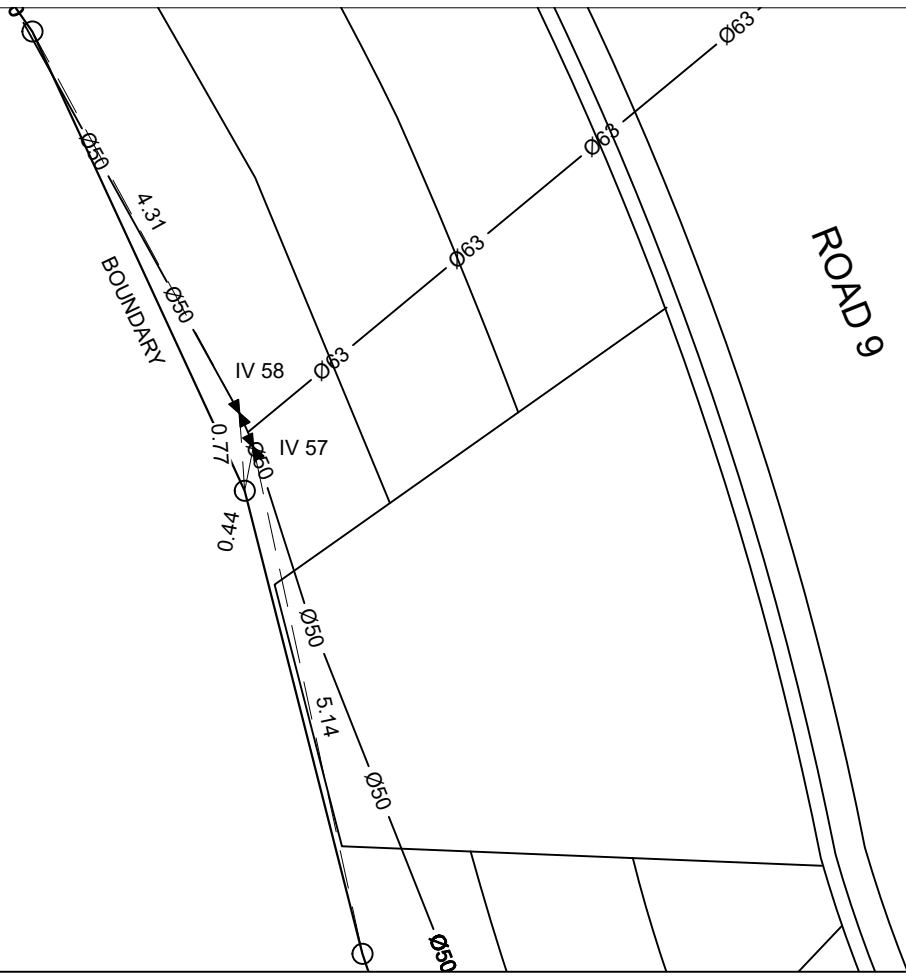
DIAGRAM E

SCALE 1:75


SIZE
A3

LOT 345

ROAD 9



SCALE 1:75


PHILIP COOK
WDC IQP#014



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

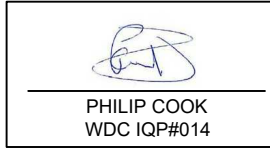
TITLE
SANITARY SEWER PLAN
SHEET 8

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:75 @ A3	STATUS AS BUILTS	
DWG NUMBER AB618		REVISION A	

SCALE 1:75

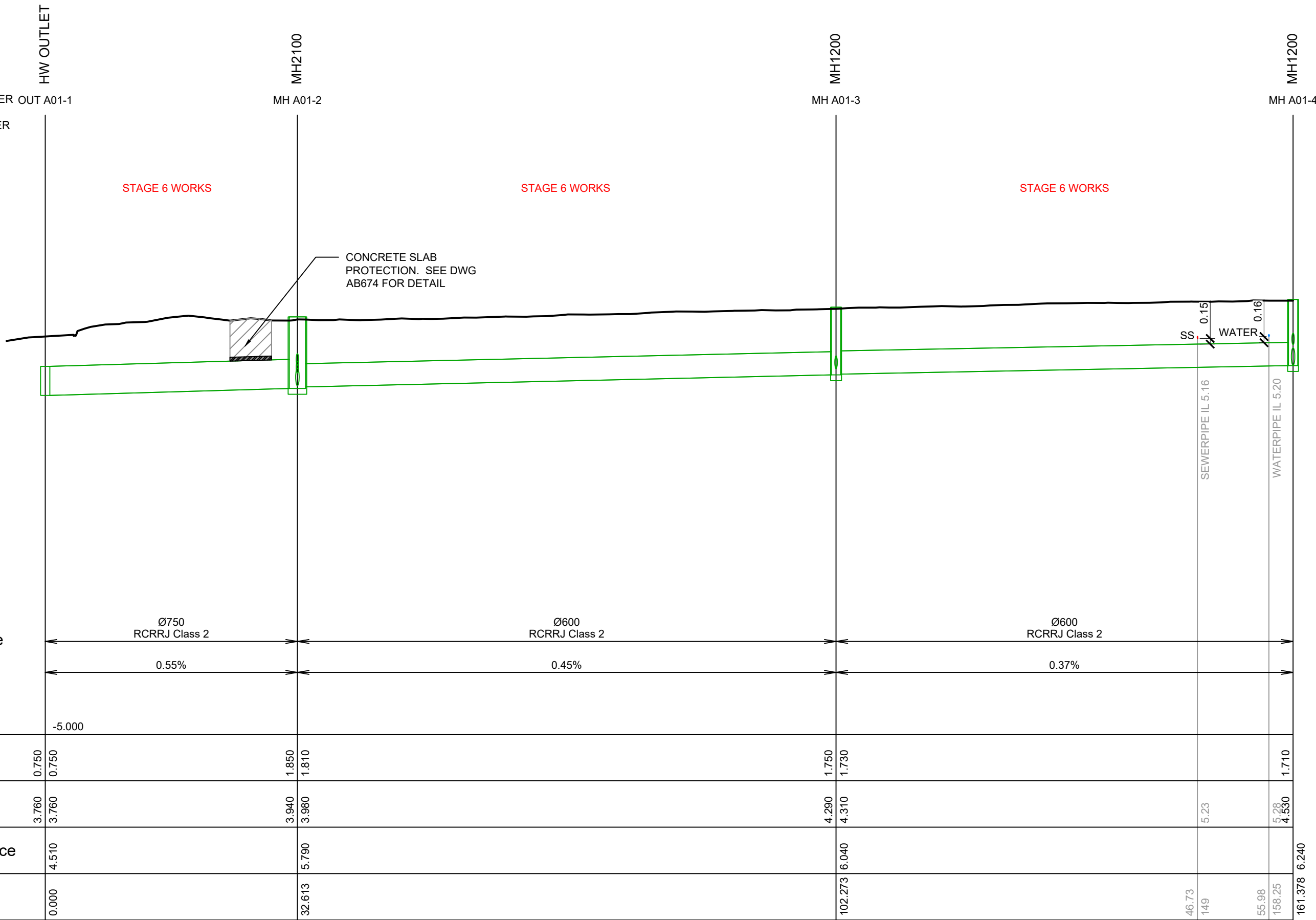
DATE PLOTTED: Saturday, August 27, 2022 05:05:41 FILE PATH: c:\12dS\temp\12dSynergy\12dSynergyServerService\3180\334b8048-803c-42fc-b3be-10494335549f\14333-006-AB610_618 Sewer.dwg

© CCL 2015 LTD - DO NOT REPRODUCE WITHOUT WRITTEN AUTHORITY



KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER

BACKFILL



Pipe Size/Type	Ø750 RCRRJ Class 2		Ø600 RCRRJ Class 2		Ø600 RCRRJ Class 2		SEWERPIPE IL 5.16	WATERPIPE IL 5.20
Grade (%)	0.55%		0.45%		0.37%			
Datum	-5.000							
Depth To Invert	0.750	0.750	1.850	1.810	1.750	1.730		1.710
Invert Levels	3.760	3.760	3.940	3.980	4.290	4.310	5.23	5.28 4.530
Finished Surface	4.510		5.790		6.040			6.240
Chainage	0.000		32.613		102.273		46.73 149	55.98 156.25 161.378

SCALE 1:100

HORIZ 1:500 VERT 1:100

LINE A01



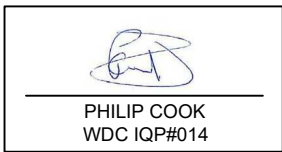
C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
WFH PROPERTIES LIMITED
 THE LANDING - STAGE 6
 ONE TREE POINT
 RUAKAKA

TITLE
STORMWATER LONGSECTIONS
 SHEET 1

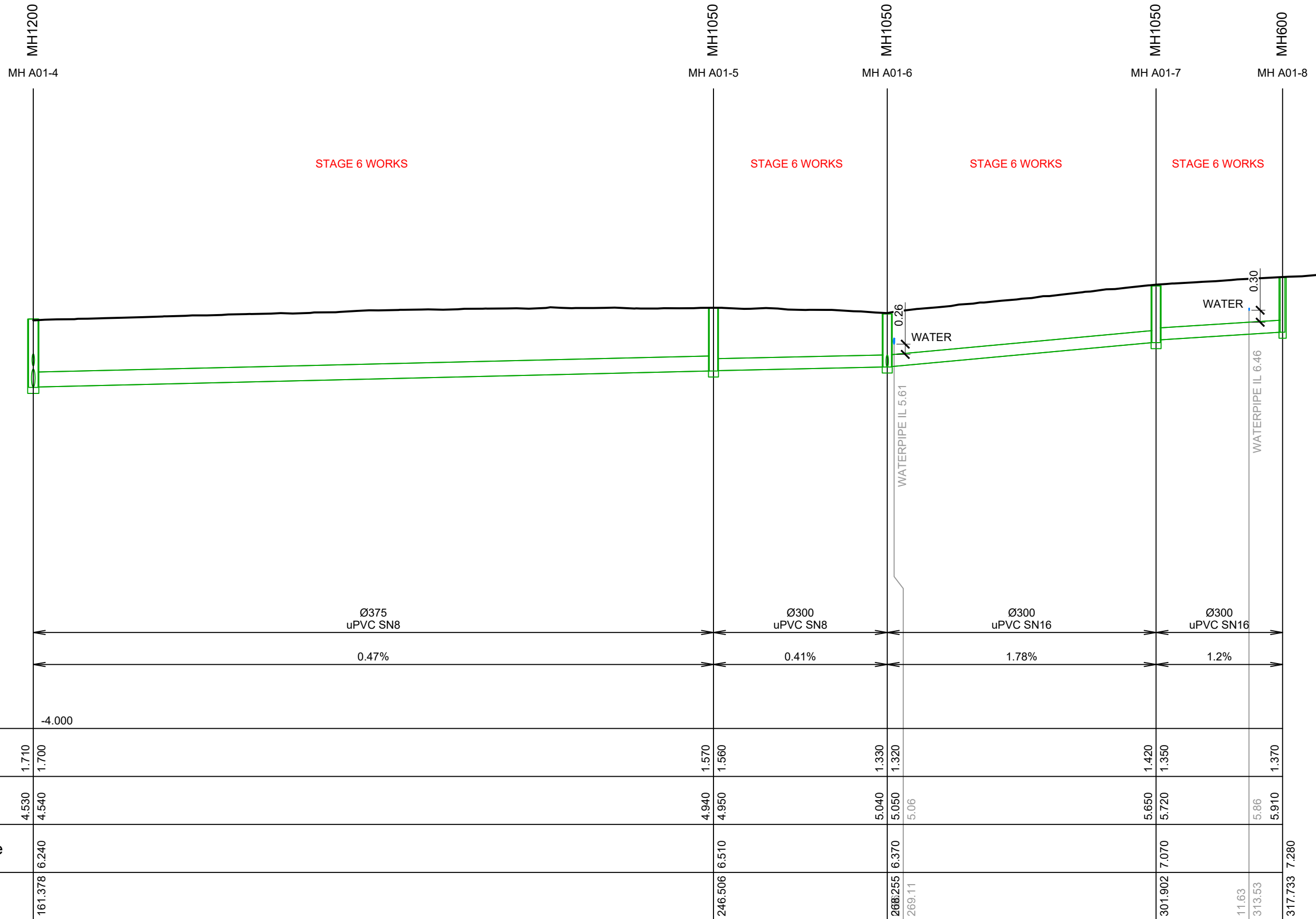
DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500H 1:100V	STATUS AS BUILTS	
DWG NUMBER AB620		REVISION A	

SCALE 1:500



KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER

BACKFILL



Pipe Size/Type
 Grade (%)

Datum -4.000

Depth To Invert	1.710 1.700	1.570 1.560	1.330 1.320	1.420 1.350	1.370
Invert Levels	4.530 4.540	4.940 4.950	5.040 5.050 5.06	5.650 5.720	5.86 5.910
Finished Surface	6.240	6.510	6.370	7.070	7.280
Chainage	161.378	246.506	268.255 269.11	301.902	317.733

HORIZ 1:500 VERT 1:100

LINE A01 CONT.



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN	APP.

PROJECT DETAILS
 WFH PROPERTIES LIMITED
 THE LANDING - STAGE 6
 ONE TREE POINT
 RUAKAKA

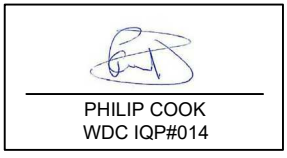
TITLE
 STORMWATER LONGSECTIONS
 SHEET 2

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500H 1:100V	STATUS AS BUILTS	
DWG NUMBER AB621			REVISION A

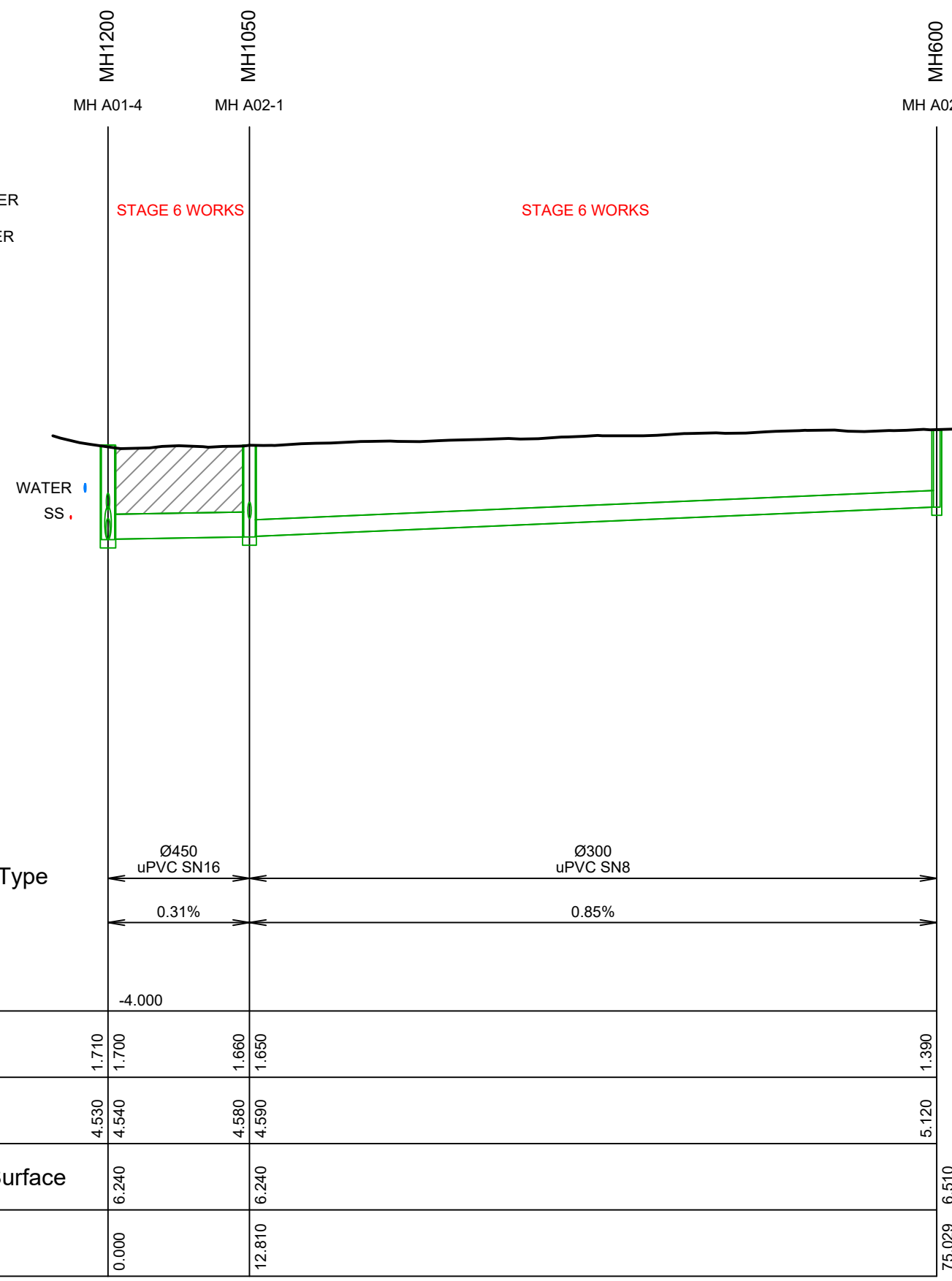
SCALE 1:500

DATE PLOTTED: Saturday, August 27, 2022 05:05:47 FILE PATH: c:\12dS\temp\12dSynergy\12dSynergyServerService\3180\334b8048-803c-42fc-b3be-10494335549f\14333-006-AB620_634 Stormwater LS.dwg

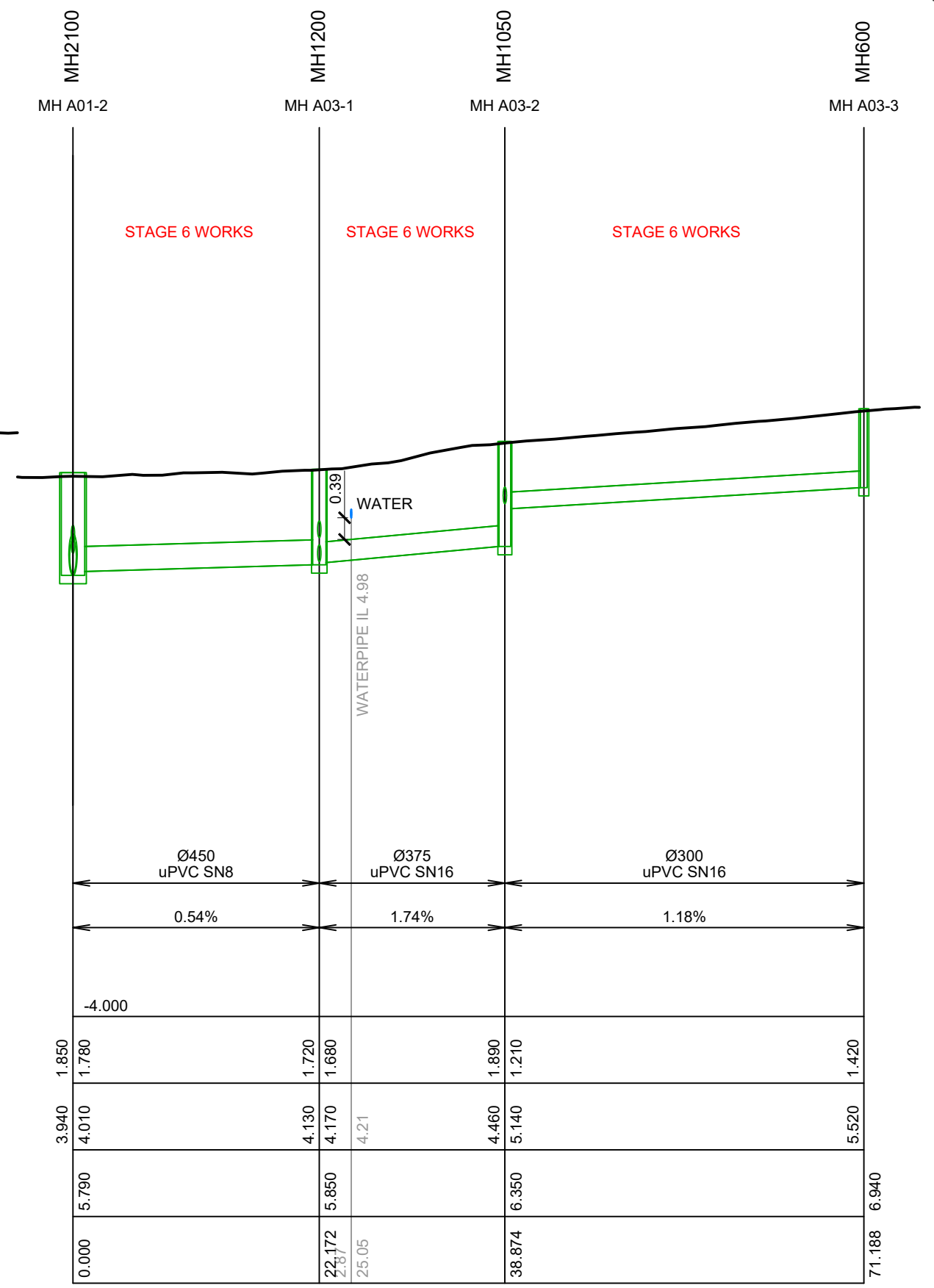
© CCL 2015 LTD - DO NOT REPRODUCE WITHOUT WRITTEN AUTHORITY



KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER
 BACKFILL



LINE A02



LINE A03

SCALE 1:100



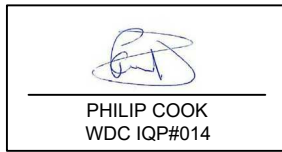
C		
B		
A	1st ISSUE	26-08-22 KH PC
REV.	REVISION DETAILS	DRAWN APP.

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
STORMWATER LONGSECTIONS
SHEET 3

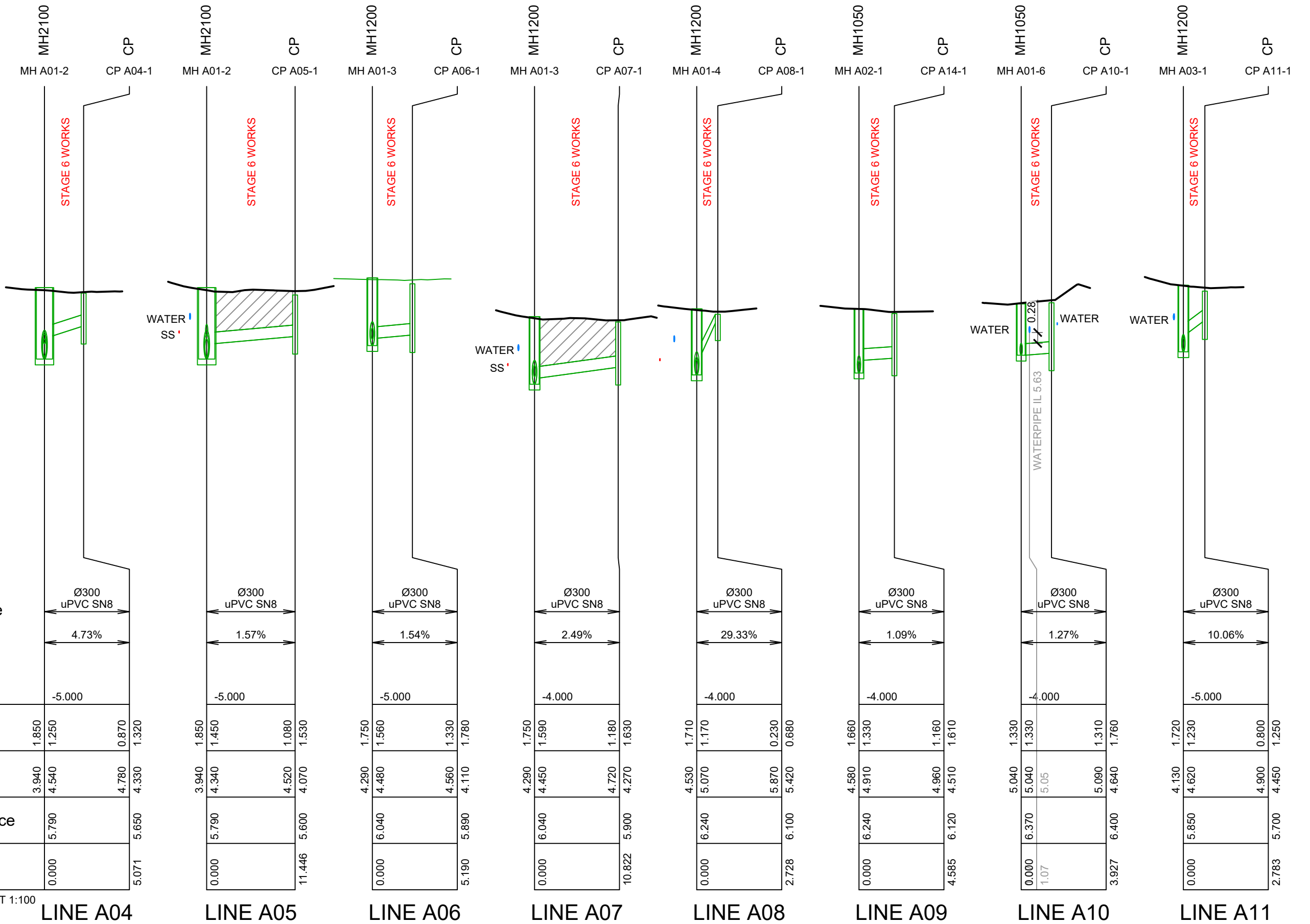
DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500H 1:100V	STATUS AS BUILTS	
DWG NUMBER AB622		REVISION A	

SCALE 1:500



KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER

BACKFILL



SCALE 1:100

HORIZ 1:500 VERT 1:100



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
STORMWATER LONGSECTIONS
SHEET 4

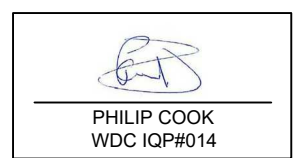
DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500H 1:100V	STATUS AS BUILTS	
DWG NUMBER AB623		REVISION A	

SCALE 1:500

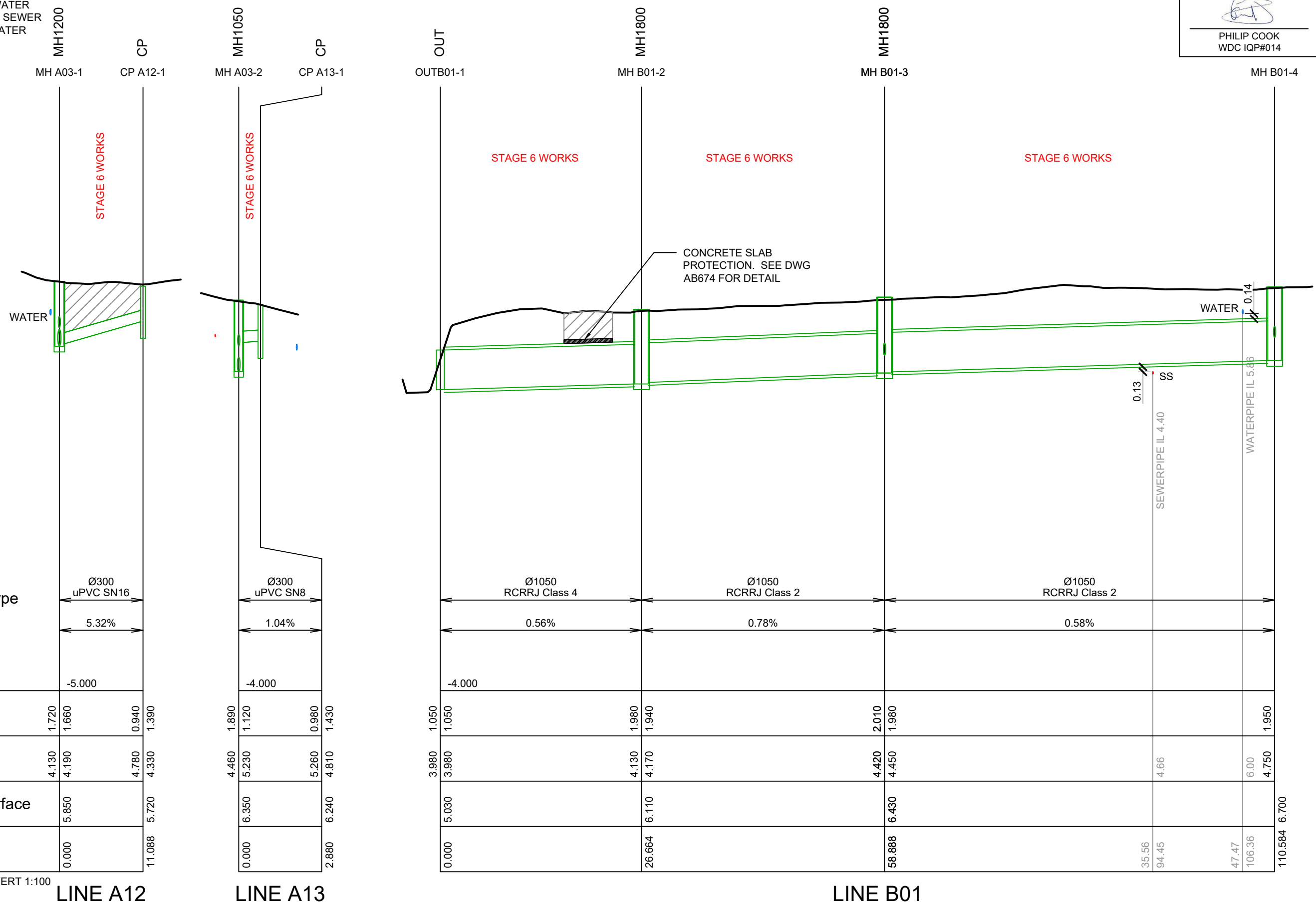
DATE PLOTTED: Saturday, August 27, 2022 05:05:51 FILE PATH: c:\12dSitemp\12dSynergy\12dSynergyServerService\3180\334b8048-803c-42fc-b3be-10494335549f\14333-006-AB620_634 Stormwater LS.dwg

© CCL 2015 LTD - DO NOT REPRODUCE WITHOUT WRITTEN AUTHORITY

KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER



BACKFILL



Pipe Size/Type
 Grade (%)

Datum

Depth To Invert	Invert Levels	Finished Surface	Chainage
1.720	4.130	5.850	0.000
1.660	4.190	5.850	11.088
0.940	4.780	5.720	11.088
1.390	4.330	5.720	11.088
1.890	4.460	6.350	0.000
1.120	5.230	6.350	2.880
0.980	5.260	6.240	2.880
1.430	4.810	6.240	2.880
1.050	3.980	5.030	0.000
1.050	3.980	5.030	26.664
1.980	4.130	6.110	26.664
1.940	4.170	6.110	26.664
2.010	4.420	6.430	58.888
1.980	4.450	6.430	58.888
1.950	4.66	6.00	35.56
1.950	4.750	6.700	94.45
1.950	4.750	6.700	47.47
1.950	4.750	6.700	106.36
1.950	4.750	6.700	110.584

LINE A12

LINE A13

LINE B01

HORIZ 1:500 VERT 1:100

SCALE 1:100



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	


PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

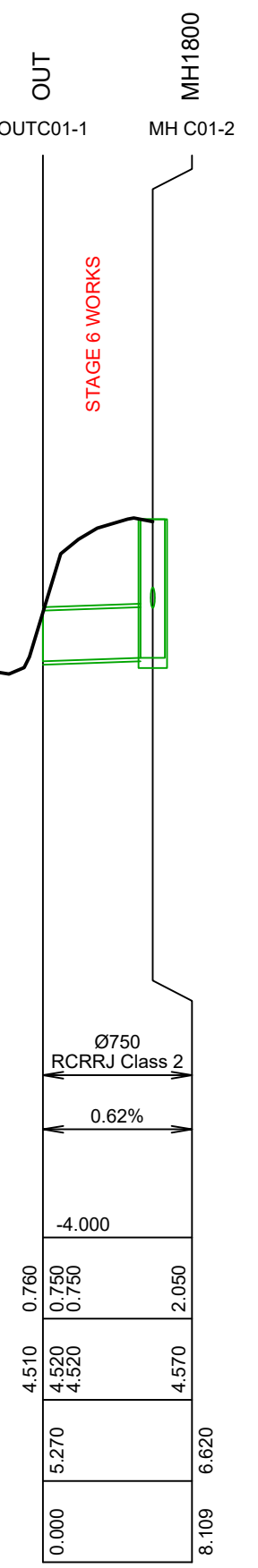
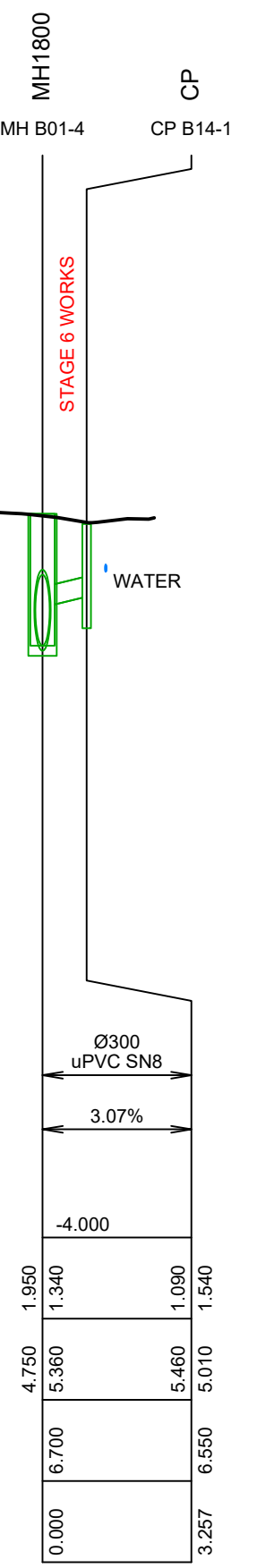
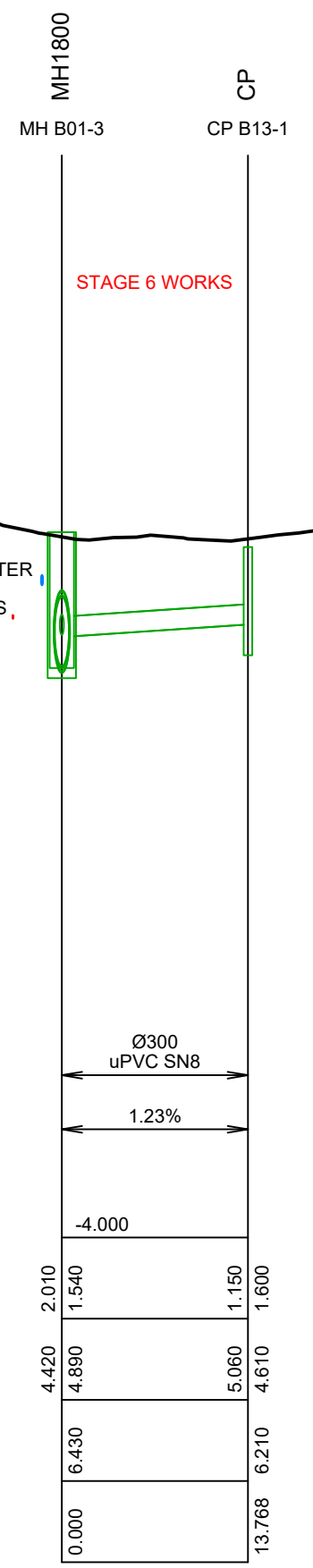
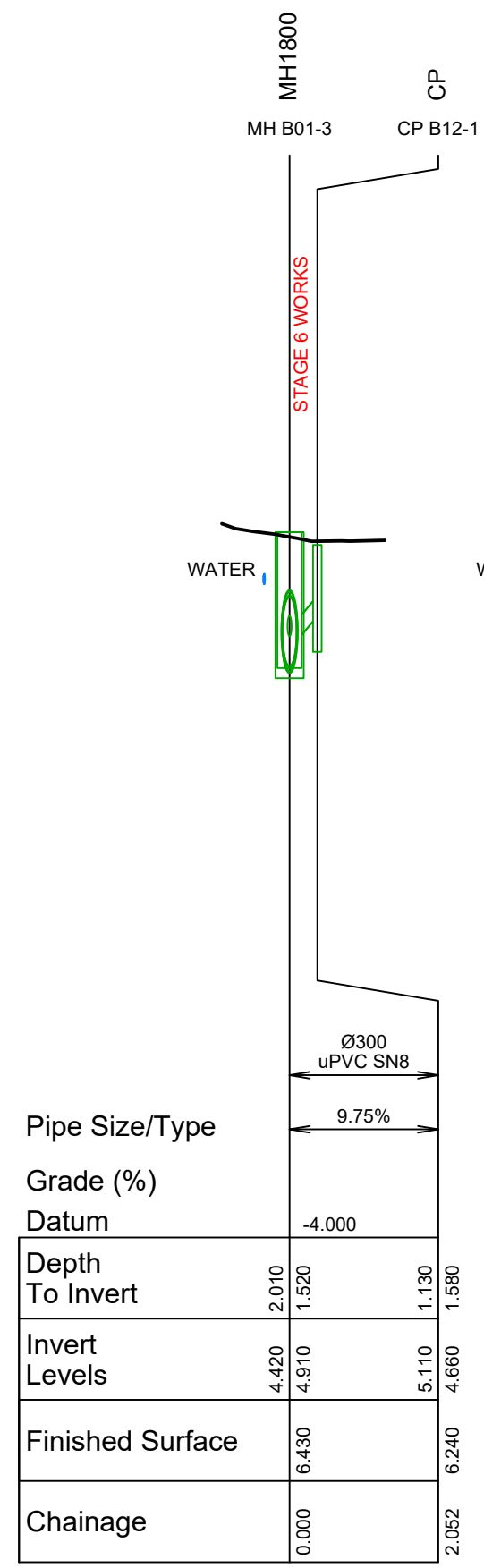
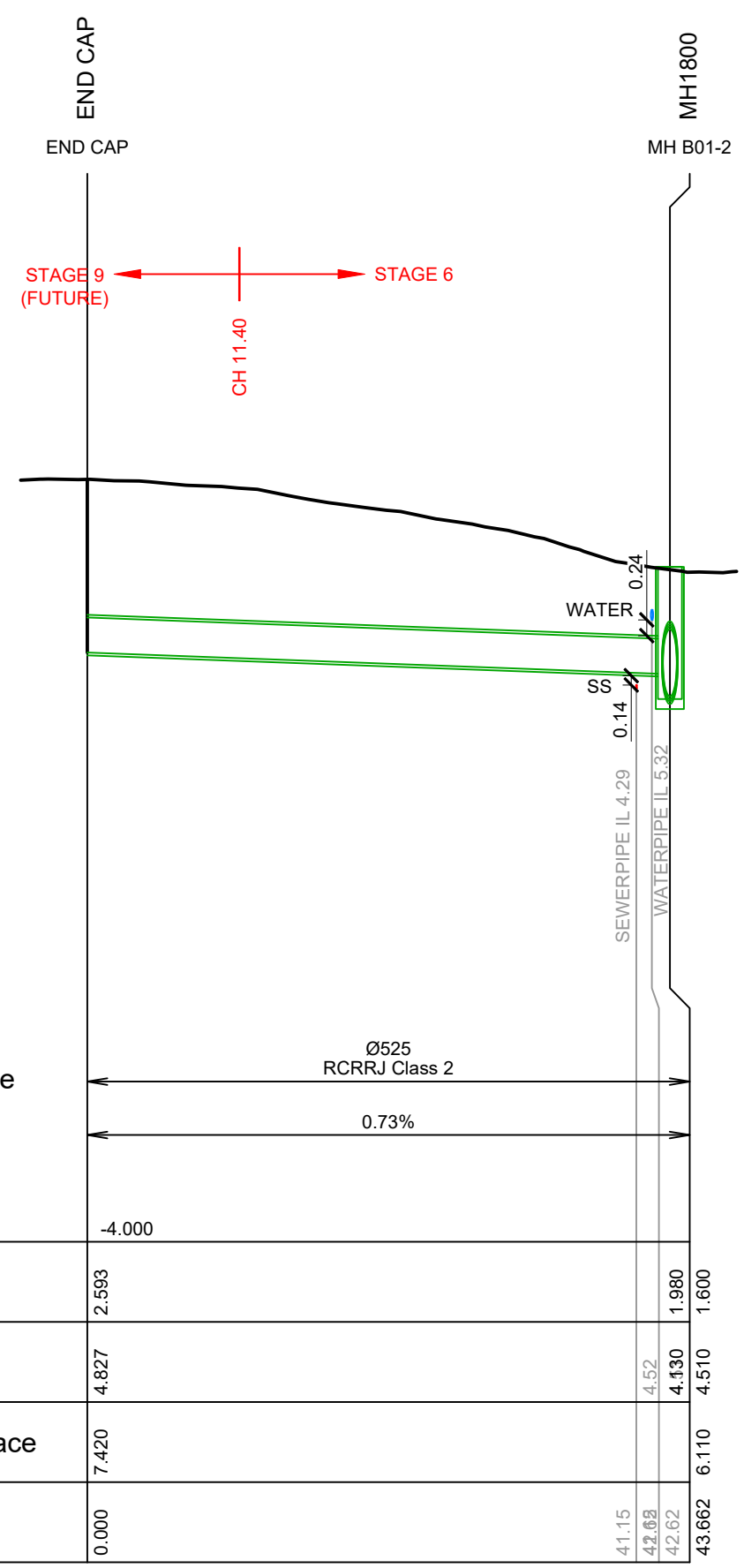
TITLE
STORMWATER LONGSECTIONS
SHEET 5

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500H 1:100V	STATUS AS BUILTS	
DWG NUMBER AB624			REVISION A

PHILIP COOK
WDC IQP#014

KEY:
EXSS = EXISTING SANITARY SEWER
EXSW = EXISTING STORMWATER
SS = PROPOSED SANITARY SEWER
SW = PROPOSED STORMWATER
WATER = POTABLE WATER

BACKFILL 



SCALE 1:100

SCALE 1:500

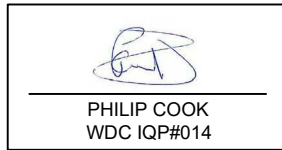


C		
B		
A	1st ISSUE	26-08-22
REV.	REVISION DETAILS	DRAWN APP.

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

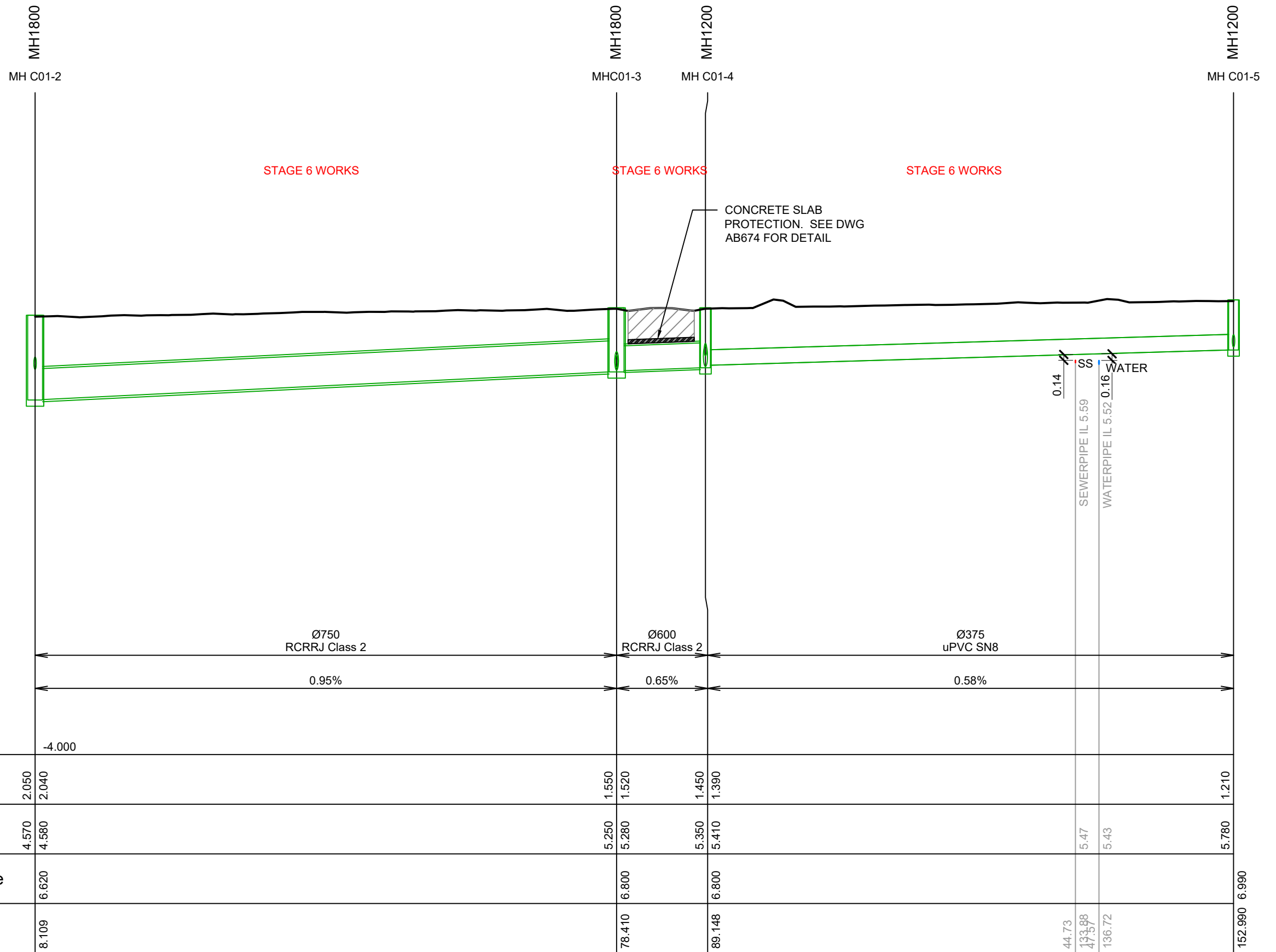
TITLE
STORMWATER LONGSECTIONS
SHEET 6

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500H 1:100V	STATUS AS BUILTS	
DWG NUMBER AB625			REVISION A



KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER

BACKFILL



Pipe Size/Type
 Grade (%)

Datum

Depth To Invert	2.050 2.040	1.550 1.520	1.450 1.390	1.210
Invert Levels	4.570 4.580	5.250 5.280	5.350 5.410	5.780
Finished Surface	6.620	6.800	6.800	6.990
Chainage	8.109	78.410	89.148	152.990

HORIZ 1:500 VERT 1:100

LINE C01 CONT.



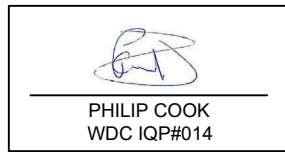
C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN	APP.

PROJECT DETAILS
WFH PROPERTIES LIMITED
 THE LANDING - STAGE 6
 ONE TREE POINT
 RUAKAKA

TITLE
STORMWATER LONGSECTIONS
 SHEET 7

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500H 1:100V	STATUS AS BUILTS	
DWG NUMBER AB626	REVISION A		

SCALE 1:500



KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER

BACKFILL

MH1200
MH C01-5

MH
MH C01-6

STAGE 6 WORKS

Pipe Size/Type	Ø300 uPVC SN8	
Grade (%)	0.75%	
Datum	-3.000	
Depth To Invert	1.210 1.180	0.840
Invert Levels	5.780 5.810	6.330
Finished Surface	6.990	7.170
Chainage	152.990	222.444

HORIZ 1:500 VERT 1:100

LINE C01 CONT.

4
2
0
SCALE 1:100



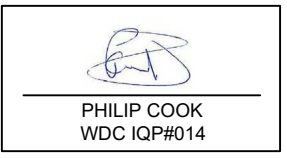
C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
 WFH PROPERTIES LIMITED
 THE LANDING - STAGE 6
 ONE TREE POINT
 RUAKAKA

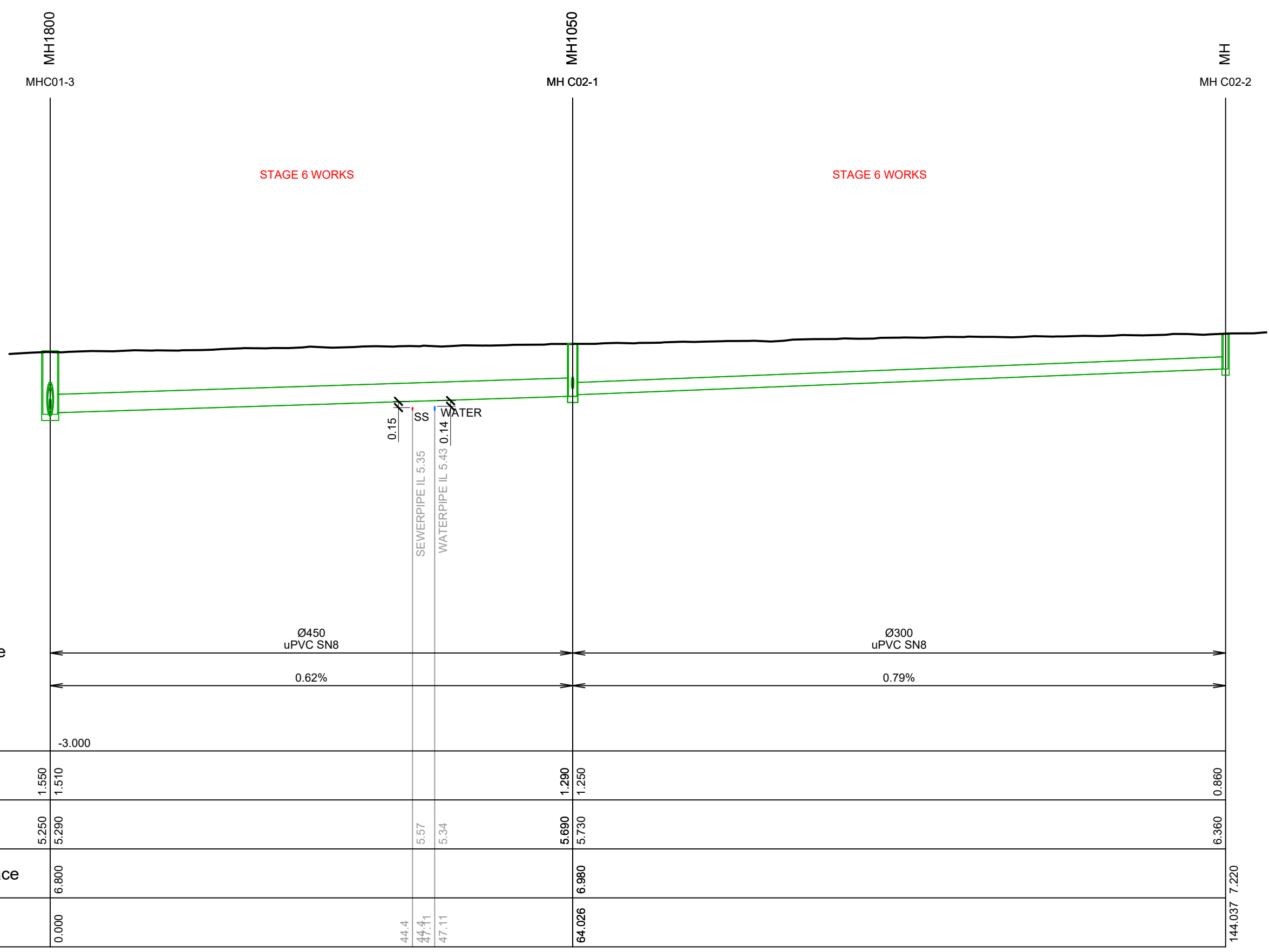
TITLE
 STORMWATER LONGSECTIONS
 SHEET 8

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500H 1:100V	STATUS AS BUILTS	
DWG NUMBER AB627			REVISION A

0 10 20 SCALE 1:500



KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER
 BACKFILL



SCALE 1:100

SCALE 1:500

Pipe Size/Type	Ø450 uPVC SN8		Ø300 uPVC SN8	
Grade (%)	0.62%		0.79%	
Datum	-3.000			
Depth To Invert	1.550	1.510	1.290	0.860
Invert Levels	5.250	5.290	5.690	6.360
Finished Surface	6.800		6.980	
Chainage	0.000	44.4	64.026	144.037

LINE C02

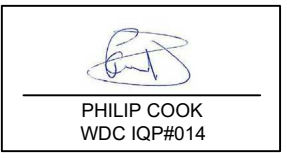


C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

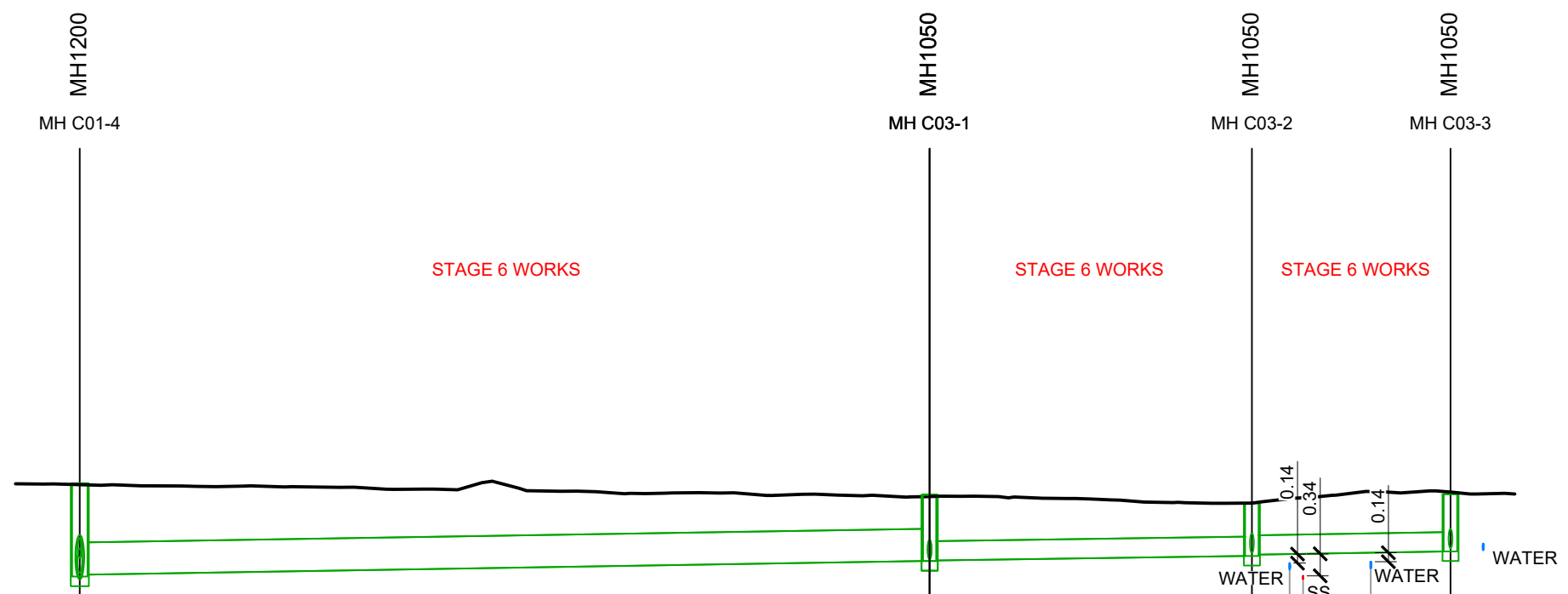
PROJECT DETAILS
WFH PROPERTIES LIMITED
 THE LANDING - STAGE 6
 ONE TREE POINT
 RUAKAKA

TITLE
STORMWATER LONGSECTIONS
 SHEET 9

DATE CREATED	26/08/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-006	SCALE	1:500H 1:100V		STATUS	AS BUILTS	
DWG NUMBER	AB628			REVISION	A		



KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER
 BACKFILL



Pipe Size/Type	Ø500 uPVC SN8		Ø300 uPVC SN8		Ø300 uPVC SN8	
Grade (%)	0.32%		0.28%		0.32%	
Datum	-4.000					
Depth To Invert	1.450	1.420	1.030	1.020	0.820	0.800
Invert Levels	5.350	5.380	5.590	5.600	5.670	5.690
Finished Surface	6.800		6.620		6.490	
Chainage	0.000		66.072		91.125	106.566

HORIZ 1:500 VERT 1:100

LINE C03

SCALE 1:100



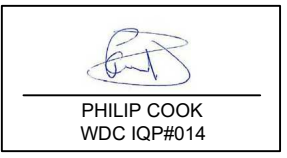
C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
WFH PROPERTIES LIMITED
 THE LANDING - STAGE 6
 ONE TREE POINT
 RUAKAKA

TITLE
STORMWATER LONGSECTIONS
 SHEET 10

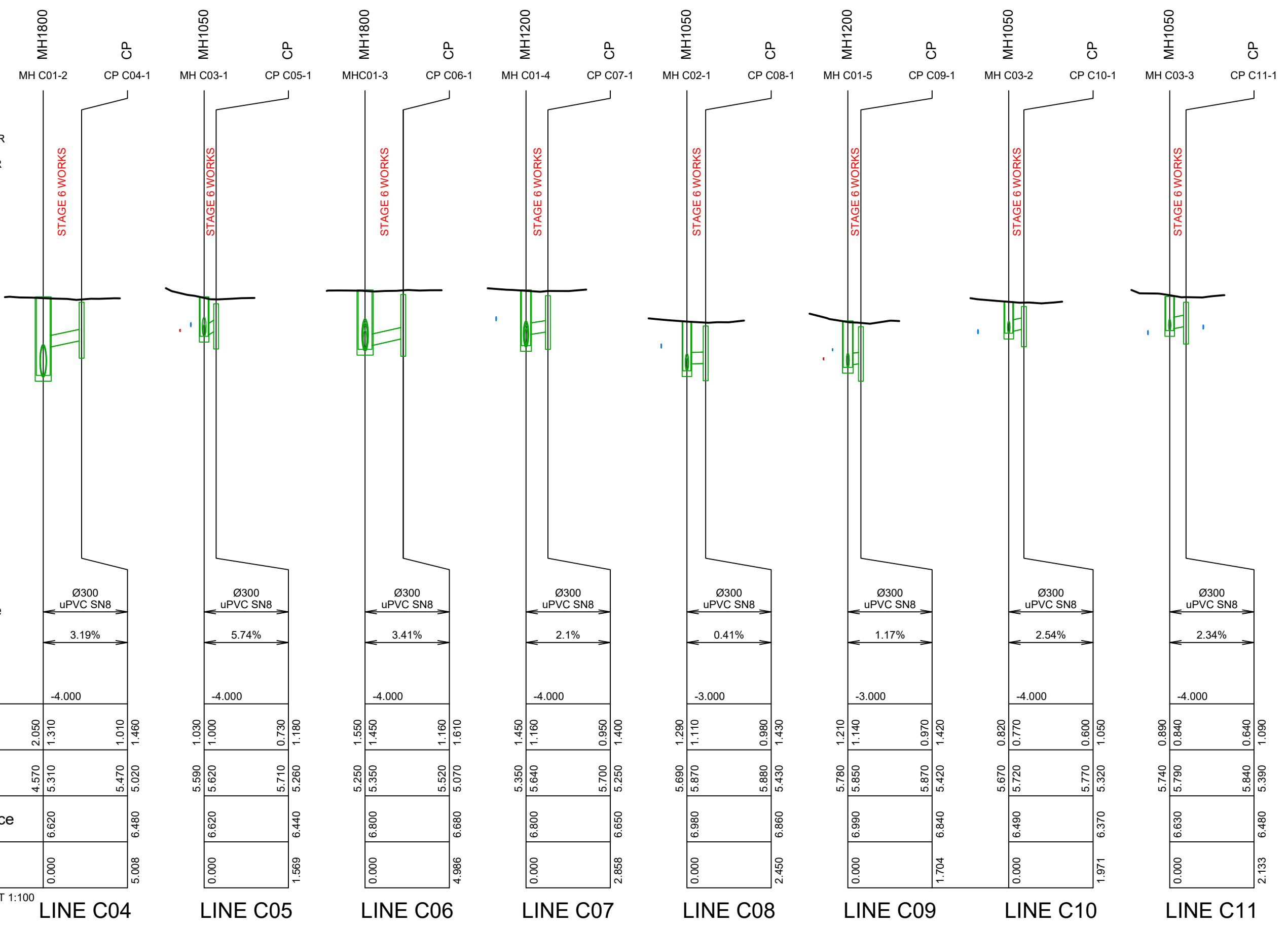
DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500H 1:100V	STATUS AS BUILTS	
DWG NUMBER AB629		REVISION A	

SCALE 1:500



KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER

BACKFILL



SCALE 1:100

HORIZ 1:500 VERT 1:100

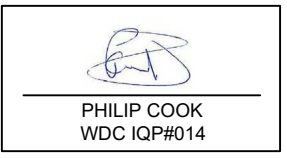


C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

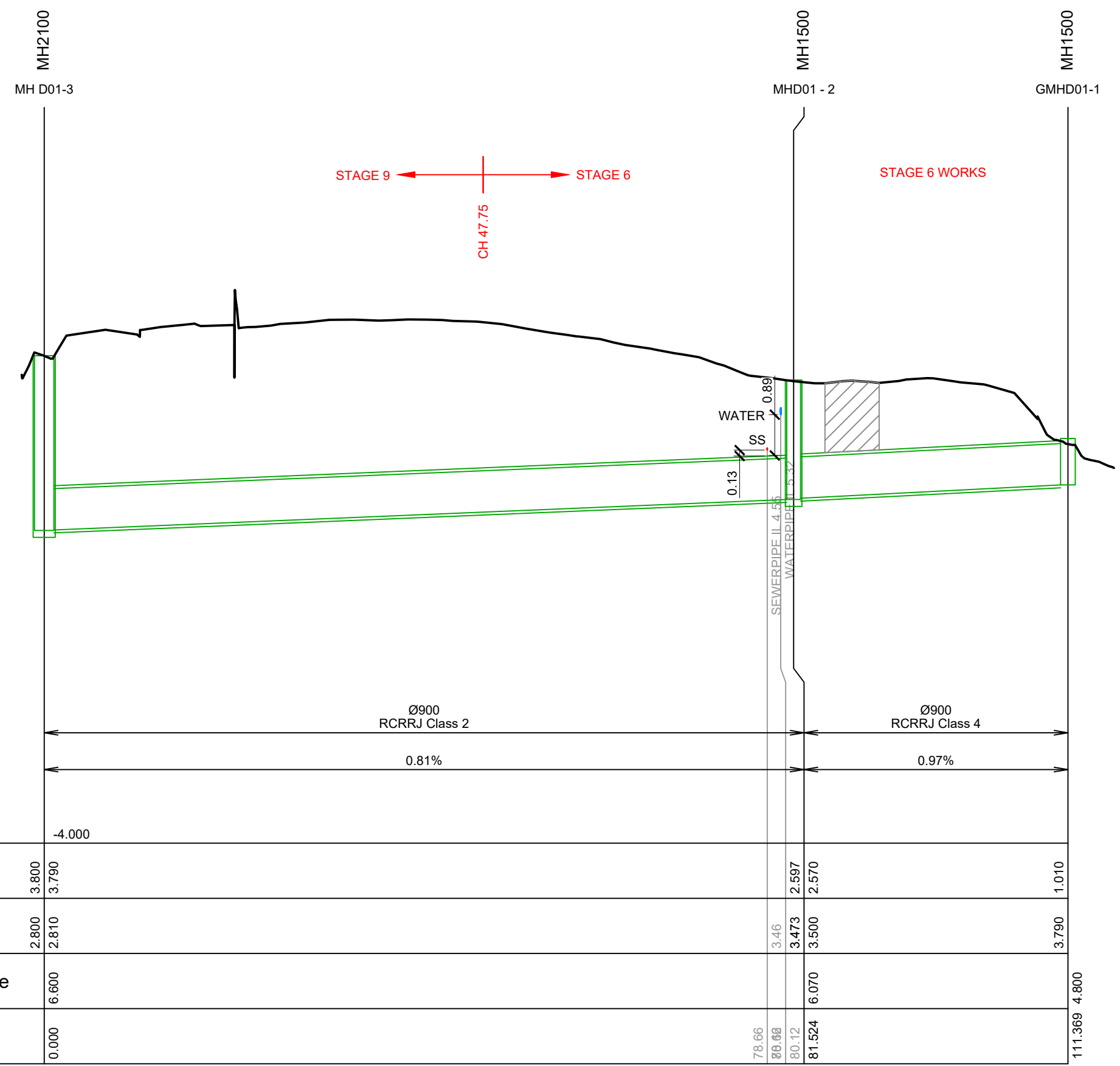
PROJECT DETAILS
 WFH PROPERTIES LIMITED
 THE LANDING - STAGE 6
 ONE TREE POINT
 RUAKAKA

TITLE
 STORMWATER LONGSECTIONS
 SHEET 11

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500H 1:100V	STATUS AS BUILTS	
DWG NUMBER AB630		REVISION A	



KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER
 BACKFILL



Pipe Size/Type	Ø900 RCRRJ Class 2		Ø900 RCRRJ Class 4	
Grade (%)	0.81%		0.97%	
Datum	-4.000			
Depth To Invert	3.800	3.790	2.597	1.010
Invert Levels	2.800	2.810	3.46	3.790
Finished Surface	6.600		6.070	4.800
Chainage	0.000		78.66	111.369

HORIZ 1:500 VERT 1:100 **LINE D01**

SCALE 1:100

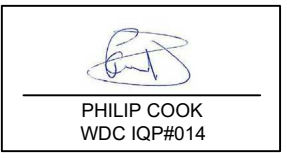


C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN	APP.

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

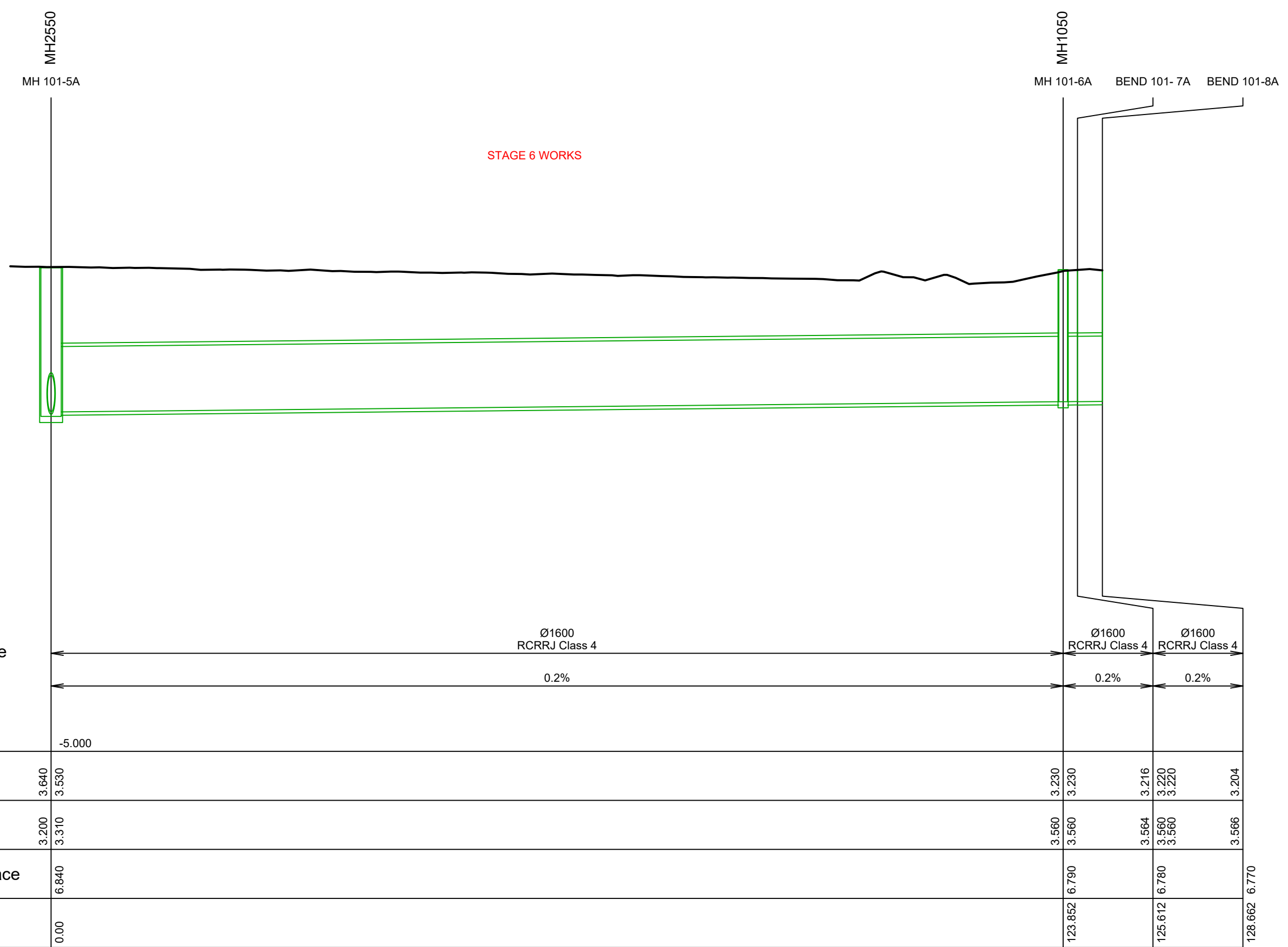
TITLE
STORMWATER LONGSECTIONS
SHEET 12

DATE CREATED	26/08/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-006	SCALE	1:500H 1:100V	STATUS	AS BUILTS		
DWG NUMBER	AB631		REVISION	A			



KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER

BACKFILL



Pipe Size/Type	Ø1600 RCRRJ Class 4		Ø1600 RCRRJ Class 4	Ø1600 RCRRJ Class 4
Grade (%)	0.2%		0.2%	0.2%
Datum	-5.000			
Depth To Invert	3.640	3.530	3.230	3.230
Invert Levels	3.200	3.310	3.564	3.566
Finished Surface	6.840		6.780	6.770
Chainage	0.00		123.852	125.612

SCALE 1:100

HORIZ 1:500 VERT 1:100

LINE T101



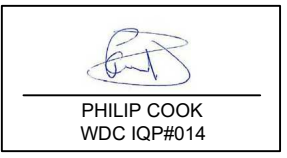
C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN	APP.

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
STORMWATER LONGSECTIONS
SHEET 13

DATE CREATED	26/08/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-006	SCALE	1:500H 1:100V	STATUS	AS BUILTS		
DWG NUMBER	AB632		REVISION	A			

SCALE 1:500



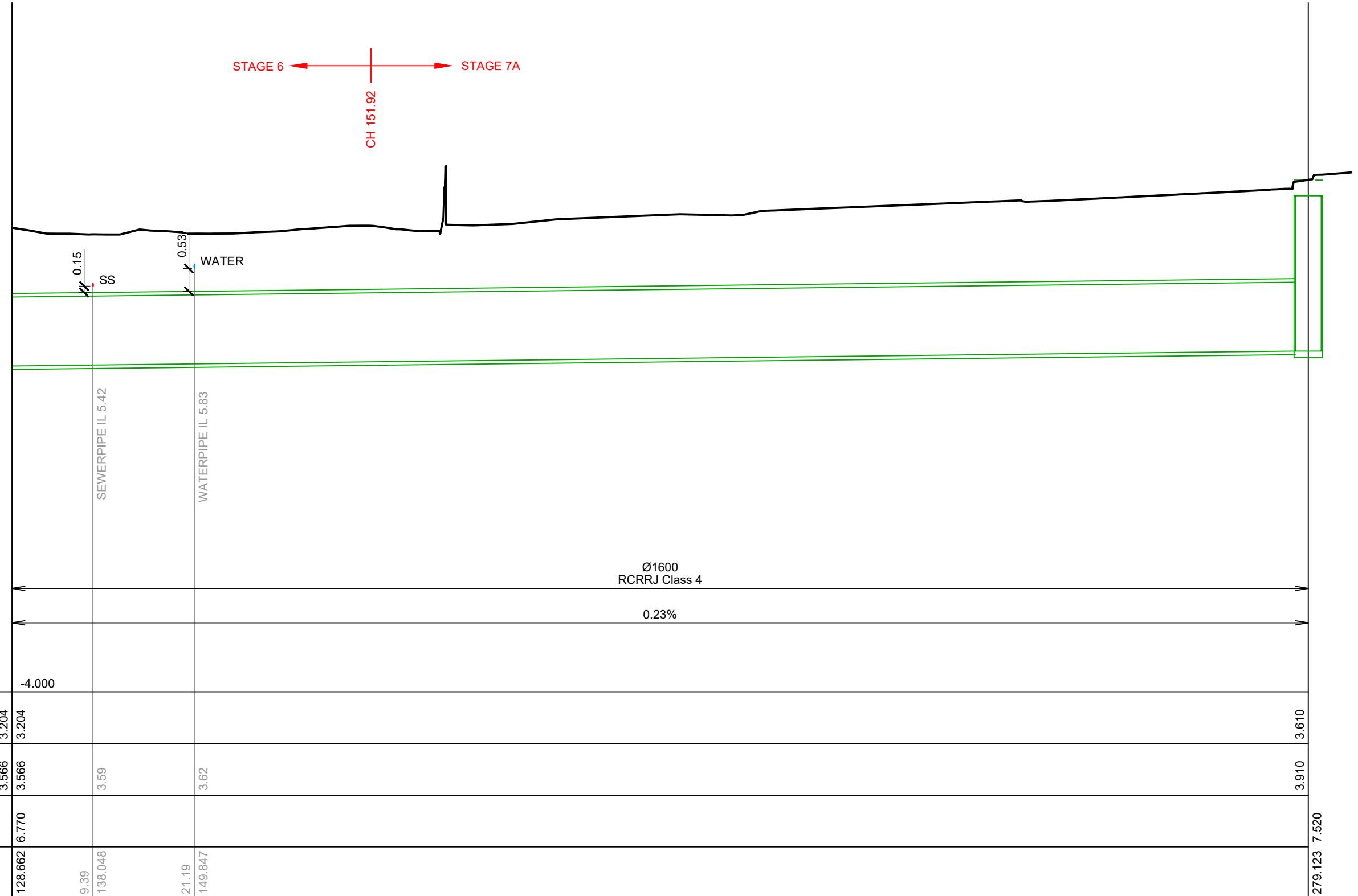
KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER
 BACKFILL

SCALE 1:100

BEND 101-8A

MH3000
MH 101-9A

STAGE 6 ← CH 151.92 → STAGE 7A



Pipe Size/Type

Grade (%)

Datum

Depth To Invert

Invert Levels

Finished Surface

Chainage

HORIZ 1:500 VERT 1:100

LINE T101 CONT.



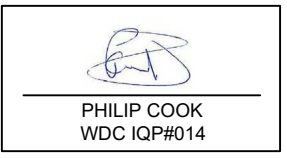
C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
 WFH PROPERTIES LIMITED
 THE LANDING - STAGE 6
 ONE TREE POINT
 RUAKAKA

TITLE
 STORMWATER LONGSECTIONS
 SHEET 14

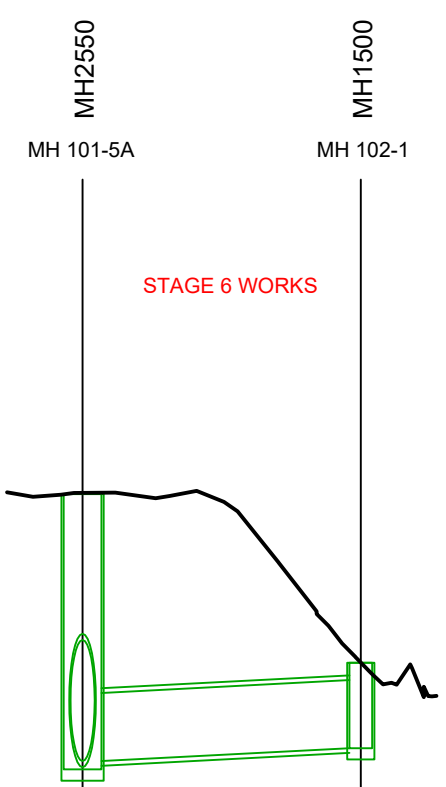
DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500H 1:100V		STATUS AS BUILTS
DWG NUMBER AB633			REVISION A

SCALE 1:500



KEY:
 EXSS = EXISTING SANITARY SEWER
 EXSW = EXISTING STORMWATER
 SS = PROPOSED SANITARY SEWER
 SW = PROPOSED STORMWATER
 WATER = POTABLE WATER

BACKFILL



Pipe Size/Type	Ø900 RCRRJ Class 4	
Grade (%)	0.92%	
Datum	-5.000	
Depth To Invert	3.640 3.530	1.130
Invert Levels	3.200 3.310	3.480
Finished Surface	6.840	4.610
Chainage	0.00	18.405

HORIZ 1:500 VERT 1:100
LINE T102

SCALE 1:100



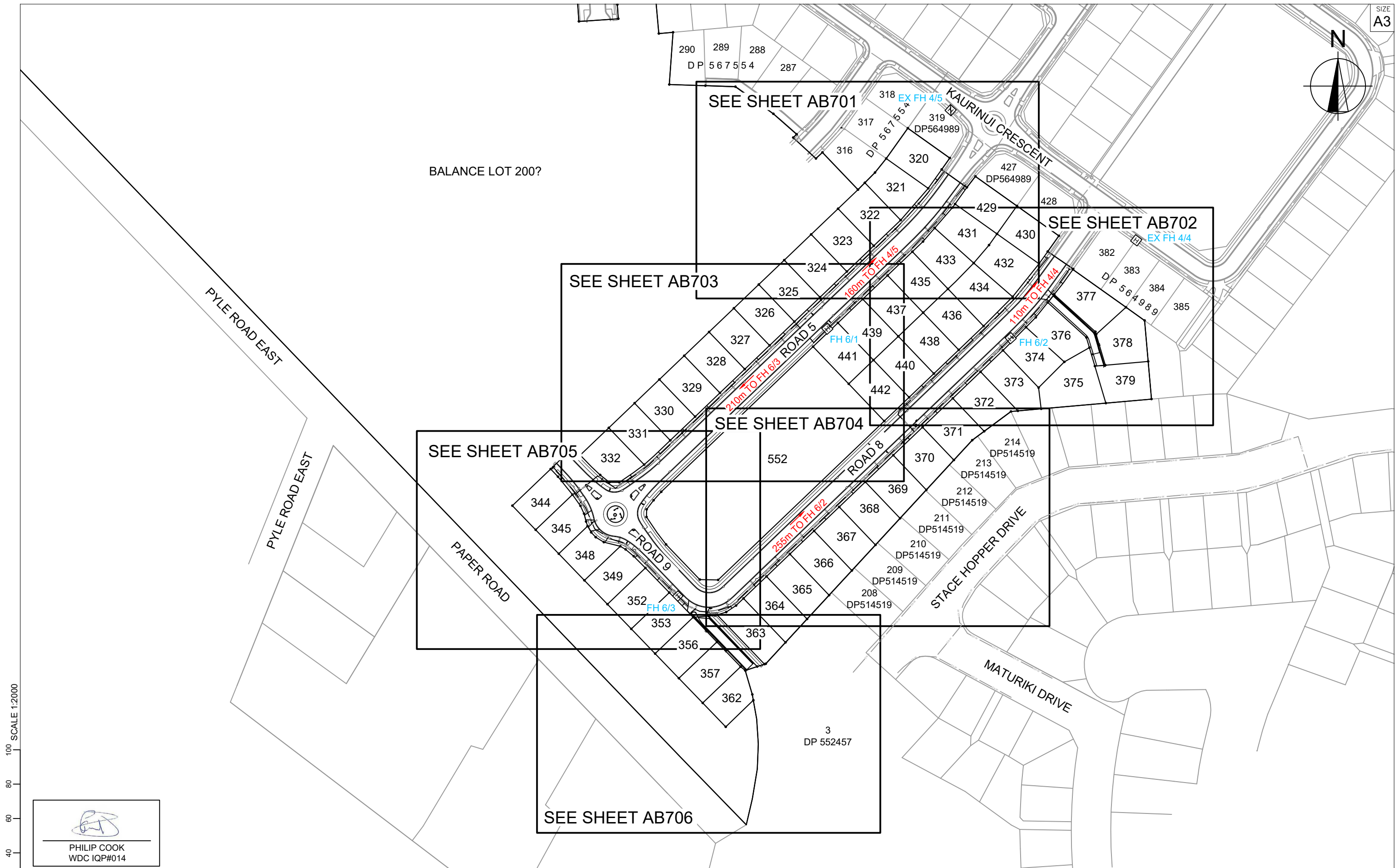
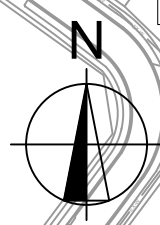
C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN	APP.

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA


TITLE
STORMWATER LONGSECTIONS
SHEET 15

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500H 1:100V	STATUS AS BUILTS	
DWG NUMBER AB634			REVISION A

SCALE 1:500



100 SCALE 1:2000
80
60
40
20
0


 PHILIP COOK
 WDC IQP#014



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

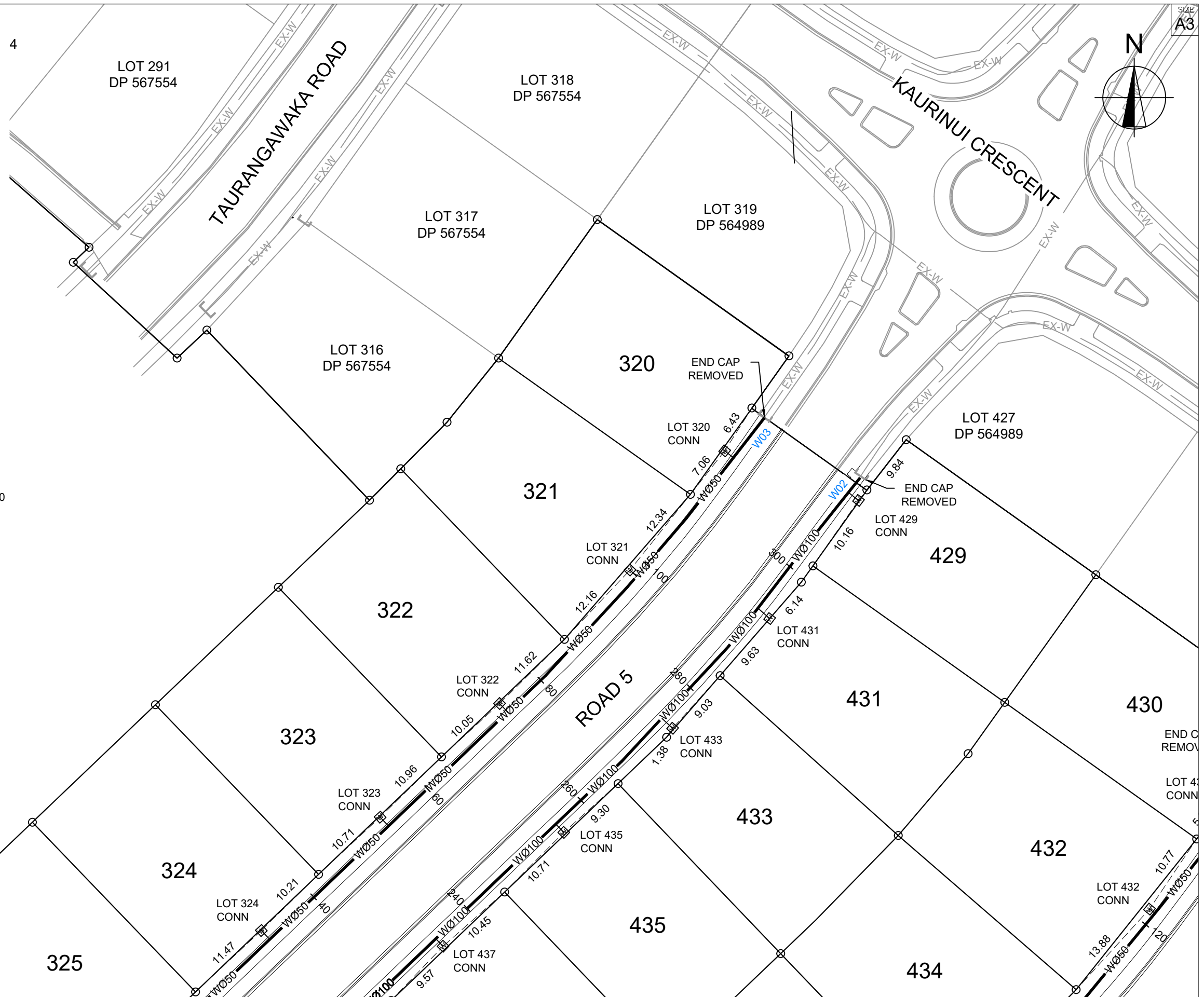
TITLE
POTABLE WATER PLAN
OVERVIEW

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:2000 @ A3		STATUS AS BUILTS
DWG NUMBER AB700			REVISION A

0 20 40 60 80 100 SCALE 1:2000

LEGEND	
— EX-W —	EXISTING POTABLE WATER
[H]	EXISTING FIRE HYDRANT
[X]	EXISTING VALVES
— WØ50 —	50mmID (63OD) PE80 CLASS 12 PN12.5 POTABLE WATER
— WØ100 —	100mmID (125OD) PE80 CLASS 12 PN12.5 POTABLE WATER
— WØ150 —	150mmID (180OD) PE80 CLASS 12 PN12.5 POTABLE WATER
--- X ---	25mmID (31.5OD) PE80 CLASS 12 PN12.5 POTABLE WATER
[W]	20mmID PE80 CLASS 12 PN12.5 HOUSE CONNECTIONS
[SV]	SLUICE VALVE
[PV]	PEET VALVE
[H]	FIRE HYDRANT
[EC]	END CAP
[MB]	MULTI BOX
[WB]	WATER METER BOX

COORDINATES ARE IN TERMS OF NZ TRANSVERSE MERCATOR 2000
 LEVELS ARE IN TERMS OF ONE TREE POINT (1964) DATUM
 HEIGHTS ARE IN TERMS OF ONE TREE POINT (1964)



SCALE 1:500

PHILIP COOK
 WDC IQP#014



REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	KH	PC

PROJECT DETAILS	
WFH PROPERTIES LIMITED THE LANDING - STAGE 6 ONE TREE POINT RUAKAKA	

TITLE	
POTABLE WATER PLAN SHEET 1	

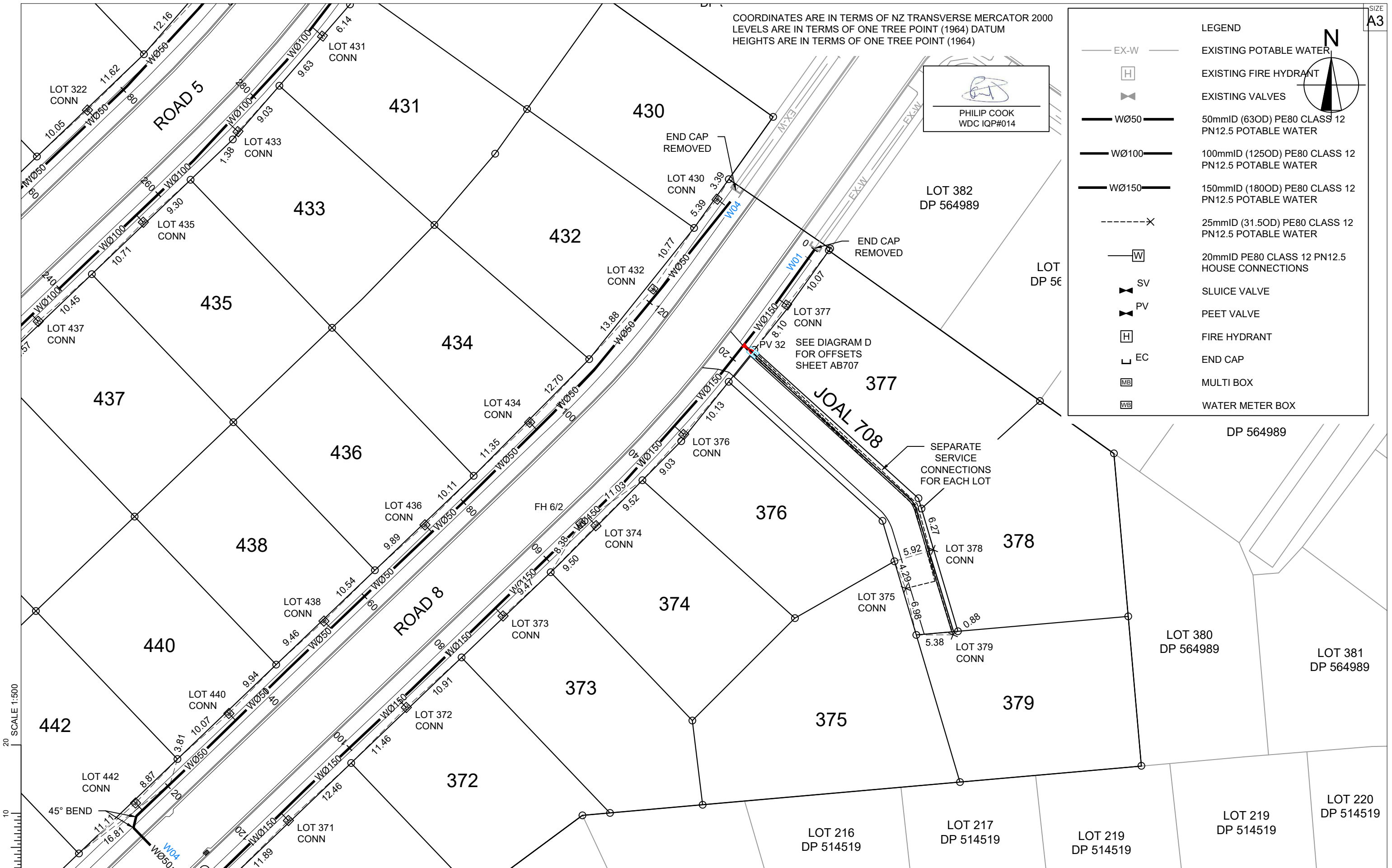
DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB701		REVISION A	

COORDINATES ARE IN TERMS OF NZ TRANSVERSE MERCATOR 2000
LEVELS ARE IN TERMS OF ONE TREE POINT (1964) DATUM
HEIGHTS ARE IN TERMS OF ONE TREE POINT (1964)

PHILIP COOK
WDC IQP#014

LEGEND

- EX-W EXISTING POTABLE WATER
- [H] EXISTING FIRE HYDRANT
- [X] EXISTING VALVES
- WØ50 50mmID (63OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- WØ100 100mmID (125OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- WØ150 150mmID (180OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- X 25mmID (31.5OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- [W] 20mmID PE80 CLASS 12 PN12.5 HOUSE CONNECTIONS
- SV SLUICE VALVE
- PV PEET VALVE
- [H] FIRE HYDRANT
- [L] EC END CAP
- [MB] MULTI BOX
- [WB] WATER METER BOX



SCALE 1:500

SCALE 1:500



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS

WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA


TITLE

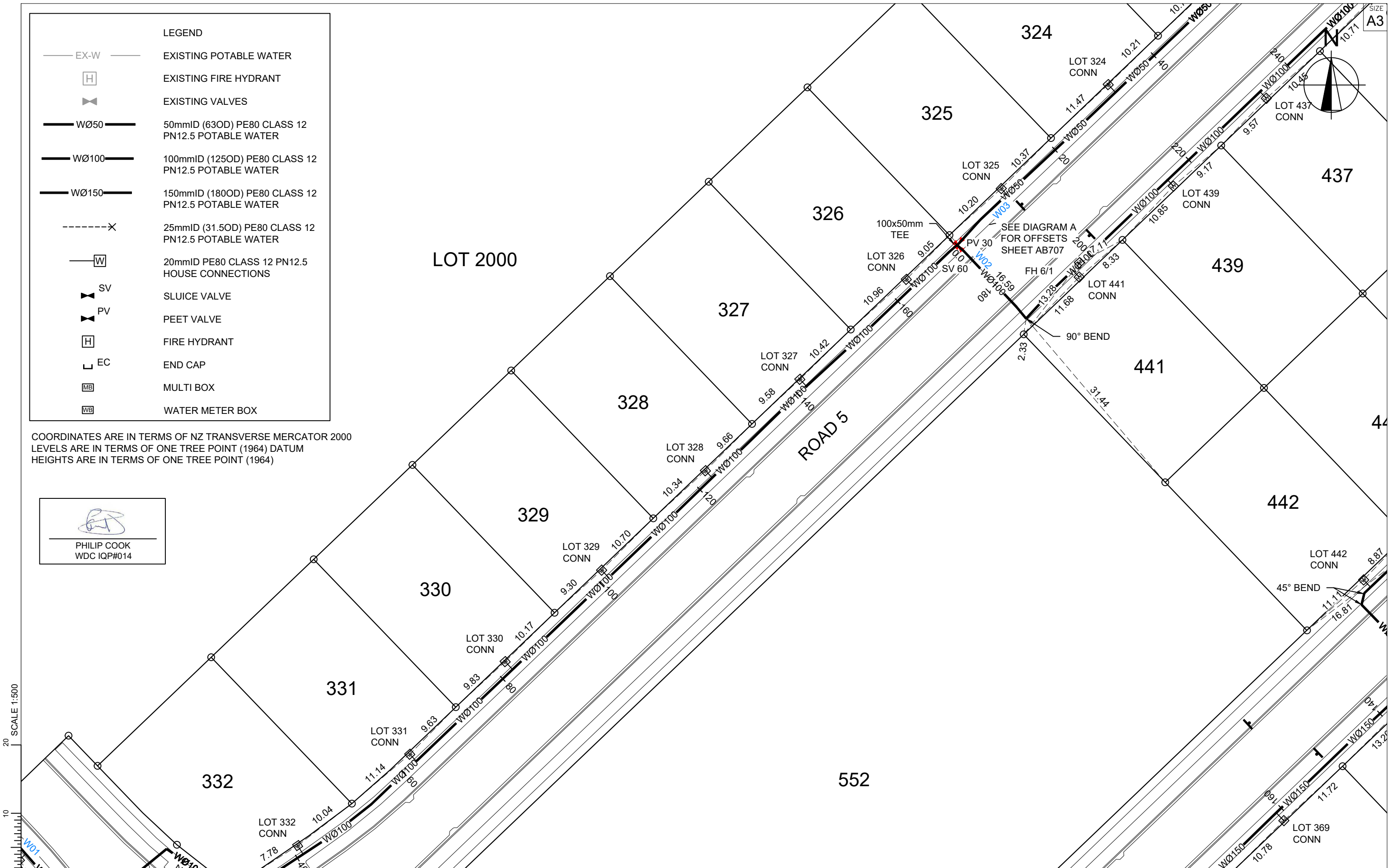
POTABLE WATER PLAN
SHEET 2

DATE CREATED	26/08/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-006	SCALE	1:500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB702			REVISION	A		

LEGEND	
— EX-W —	EXISTING POTABLE WATER
[H]	EXISTING FIRE HYDRANT
[X]	EXISTING VALVES
— WØ50 —	50mmID (63OD) PE80 CLASS 12 PN12.5 POTABLE WATER
— WØ100 —	100mmID (125OD) PE80 CLASS 12 PN12.5 POTABLE WATER
— WØ150 —	150mmID (180OD) PE80 CLASS 12 PN12.5 POTABLE WATER
--- X ---	25mmID (31.5OD) PE80 CLASS 12 PN12.5 POTABLE WATER
[W]	20mmID PE80 CLASS 12 PN12.5 HOUSE CONNECTIONS
[SV]	SLUICE VALVE
[PV]	PEET VALVE
[H]	FIRE HYDRANT
[EC]	END CAP
[MB]	MULTI BOX
[WB]	WATER METER BOX

COORDINATES ARE IN TERMS OF NZ TRANSVERSE MERCATOR 2000
 LEVELS ARE IN TERMS OF ONE TREE POINT (1964) DATUM
 HEIGHTS ARE IN TERMS OF ONE TREE POINT (1964)


 PHILIP COOK
 WDC IQP#014



SCALE 1:500
 0 10 20

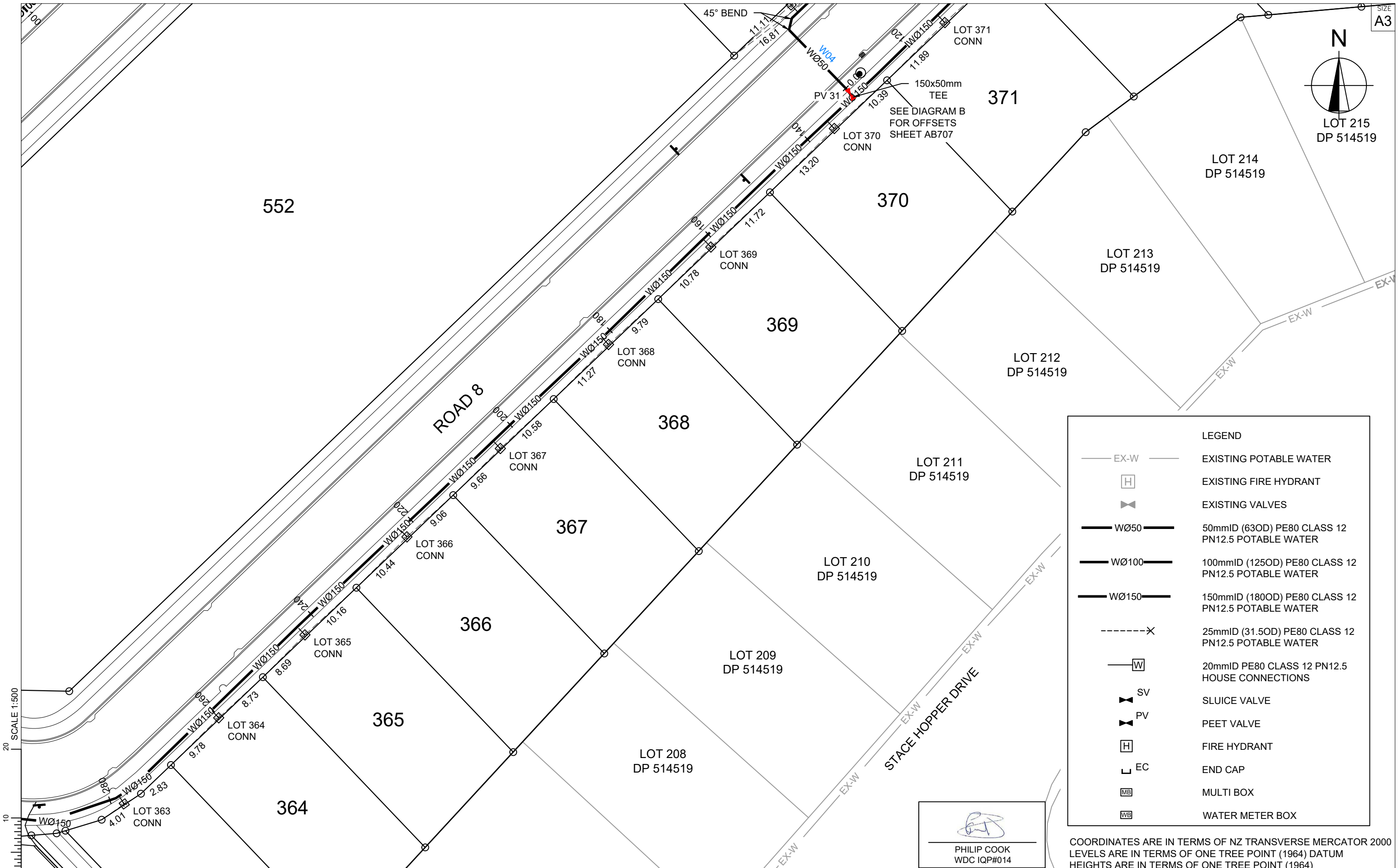


REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	KH	PC

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
POTABLE WATER PLAN
SHEET 3

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB703		REVISION A	



LEGEND	
	EXISTING POTABLE WATER
	EXISTING FIRE HYDRANT
	EXISTING VALVES
	50mmID (63OD) PE80 CLASS 12 PN12.5 POTABLE WATER
	100mmID (125OD) PE80 CLASS 12 PN12.5 POTABLE WATER
	150mmID (180OD) PE80 CLASS 12 PN12.5 POTABLE WATER
	25mmID (31.5OD) PE80 CLASS 12 PN12.5 POTABLE WATER
	20mmID PE80 CLASS 12 PN12.5 HOUSE CONNECTIONS
	SLUICE VALVE
	PEET VALVE
	FIRE HYDRANT
	END CAP
	MULTI BOX
	WATER METER BOX

COORDINATES ARE IN TERMS OF NZ TRANSVERSE MERCATOR 2000 LEVELS ARE IN TERMS OF ONE TREE POINT (1964) DATUM HEIGHTS ARE IN TERMS OF ONE TREE POINT (1964)

PHILIP COOK
WDC IQP#014

SCALE 1:500



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS

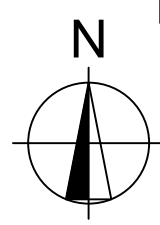
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE

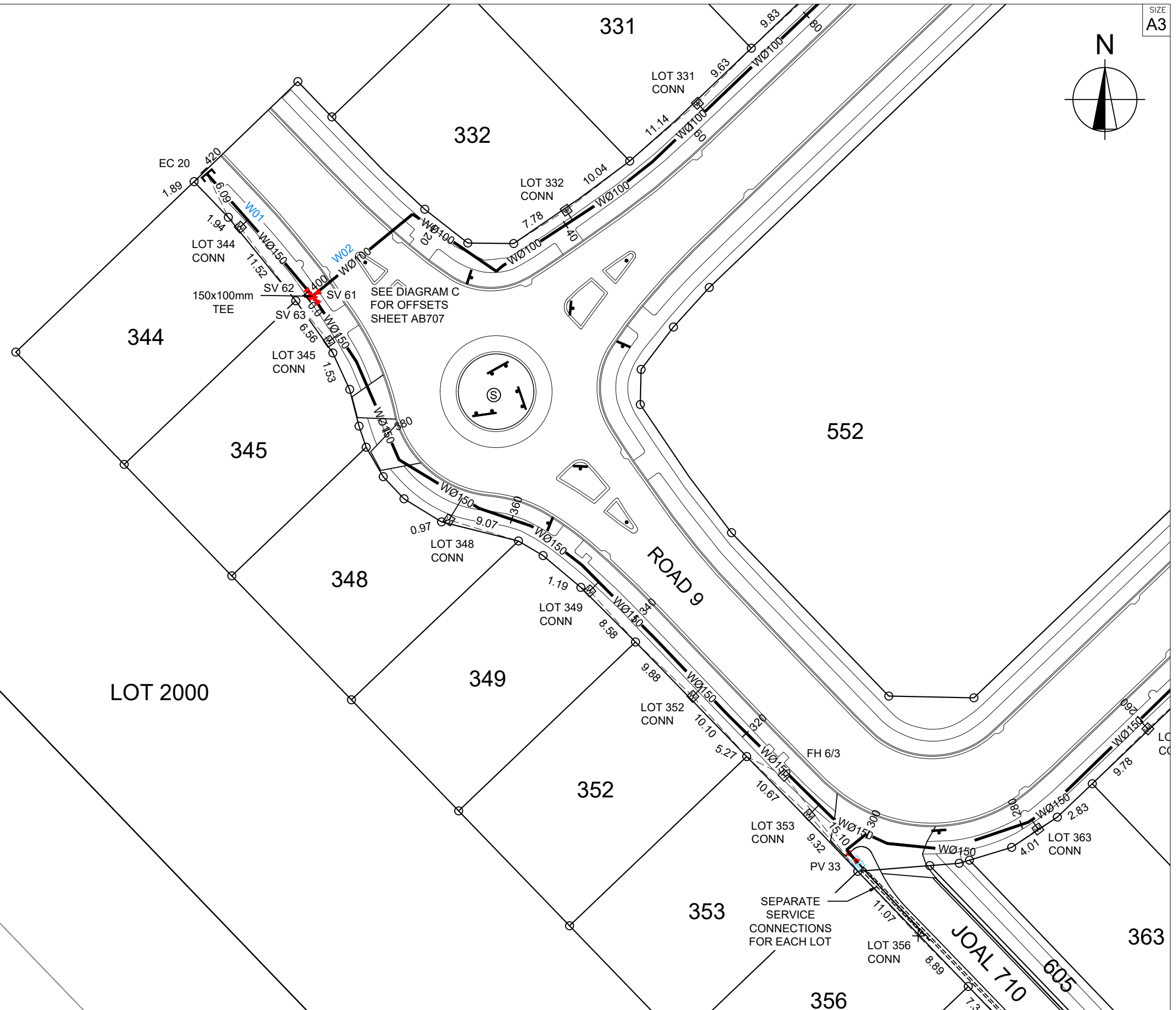
POTABLE WATER PLAN
SHEET 4

DATE CREATED	26/08/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-006	SCALE	1:500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB704			REVISION	A		

SCALE 1:500



LEGEND	
— EX-W —	EXISTING POTABLE WATER
[H]	EXISTING FIRE HYDRANT
[X]	EXISTING VALVES
— WØ50 —	50mmID (63OD) PE80 CLASS 12 PN12.5 POTABLE WATER
— WØ100 —	100mmID (125OD) PE80 CLASS 12 PN12.5 POTABLE WATER
— WØ150 —	150mmID (180OD) PE80 CLASS 12 PN12.5 POTABLE WATER
--- X ---	25mmID (31.5OD) PE80 CLASS 12 PN12.5 POTABLE WATER
[W]	20mmID PE80 CLASS 12 PN12.5 HOUSE CONNECTIONS
[SV]	SLUICE VALVE
[PV]	PEET VALVE
[H]	FIRE HYDRANT
[EC]	END CAP
[MB]	MULTI BOX
[WB]	WATER METER BOX



COORDINATES ARE IN TERMS OF NZ TRANSVERSE MERCATOR 2000
 LEVELS ARE IN TERMS OF ONE TREE POINT (1964) DATUM
 HEIGHTS ARE IN TERMS OF ONE TREE POINT (1964)

SCALE 1:500

PHILIP COOK
 WDC IQP#014

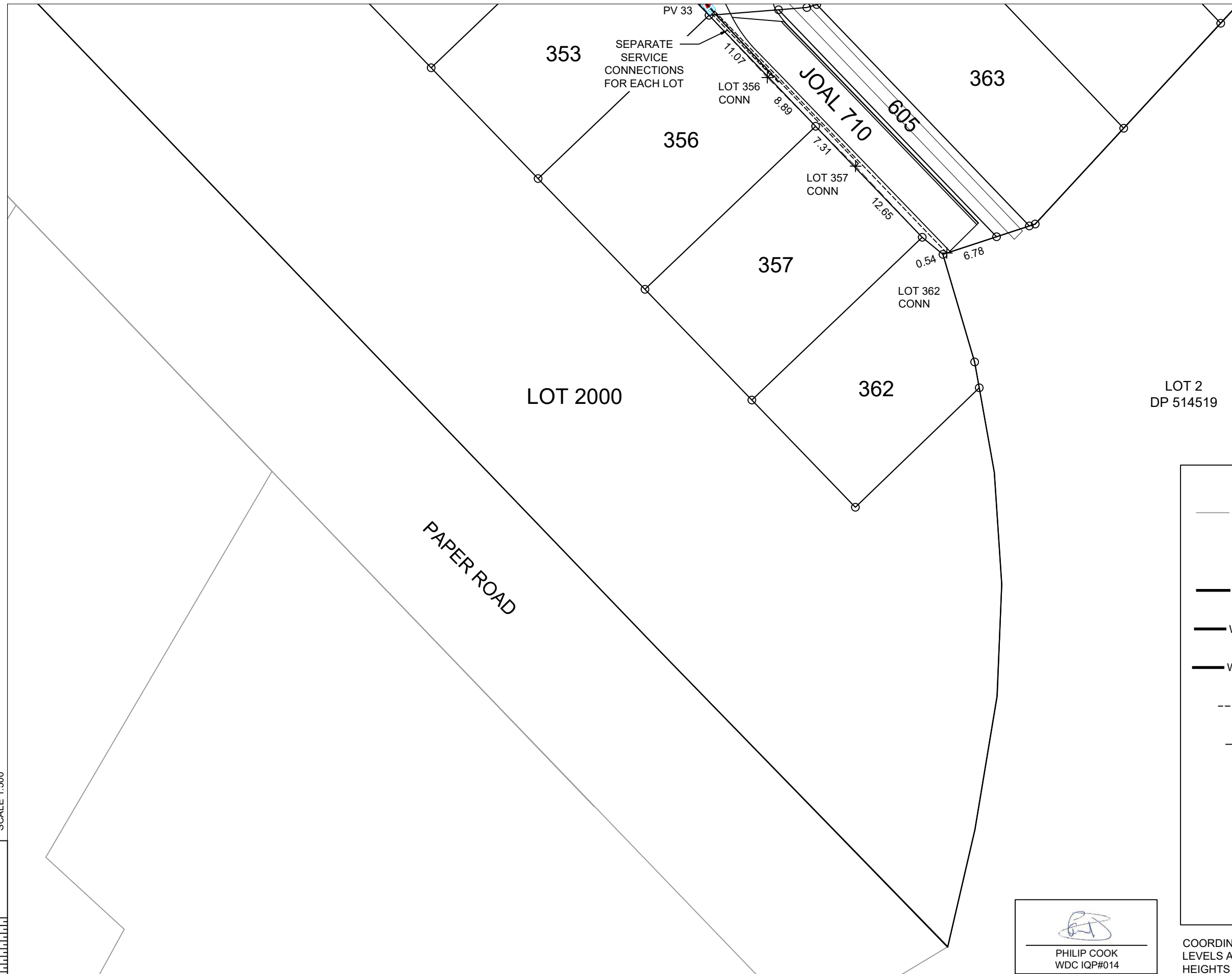
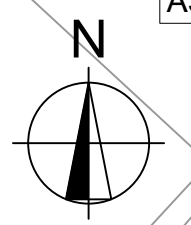


REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	KH	PC

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
POTABLE WATER PLAN
SHEET 5

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB705		REVISION A	



LEGEND	
— EX-W —	EXISTING POTABLE WATER
[H]	EXISTING FIRE HYDRANT
[Valve symbol]	EXISTING VALVES
— WØ50 —	50mmID (63OD) PE80 CLASS 12 PN12.5 POTABLE WATER
— WØ100 —	100mmID (125OD) PE80 CLASS 12 PN12.5 POTABLE WATER
— WØ150 —	150mmID (180OD) PE80 CLASS 12 PN12.5 POTABLE WATER
-----X	25mmID (31.5OD) PE80 CLASS 12 PN12.5 POTABLE WATER
— [W] —	20mmID PE80 CLASS 12 PN12.5 HOUSE CONNECTIONS
[SV symbol]	SLUICE VALVE
[PV symbol]	PEET VALVE
[H symbol]	FIRE HYDRANT
[EC symbol]	END CAP
[MB symbol]	MULTI BOX
[WB symbol]	WATER METER BOX

[Signature]
PHILIP COOK
WDC IQP#014

COORDINATES ARE IN TERMS OF NZ TRANSVERSE MERCATOR 2000 LEVELS ARE IN TERMS OF ONE TREE POINT (1964) DATUM HEIGHTS ARE IN TERMS OF ONE TREE POINT (1964)

SCALE 1:500



REV.	REVISION DETAILS	DRAWN	APP.
C			
B			
A	1st ISSUE	KH	PC

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
POTABLE WATER PLAN
SHEET 6

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:500 @ A3	STATUS AS BUILTS	
DWG NUMBER AB706		REVISION A	

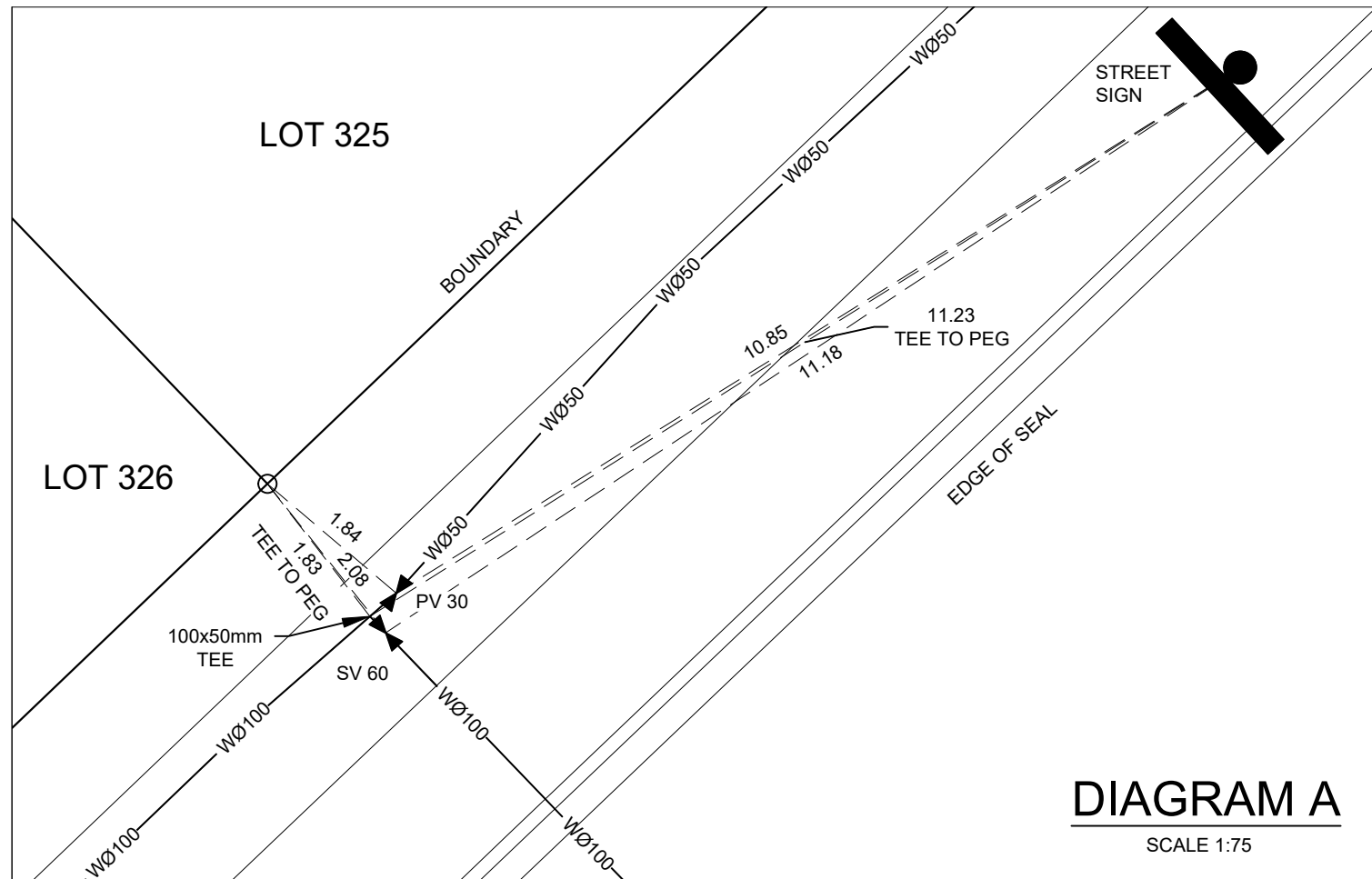


DIAGRAM A
SCALE 1:75

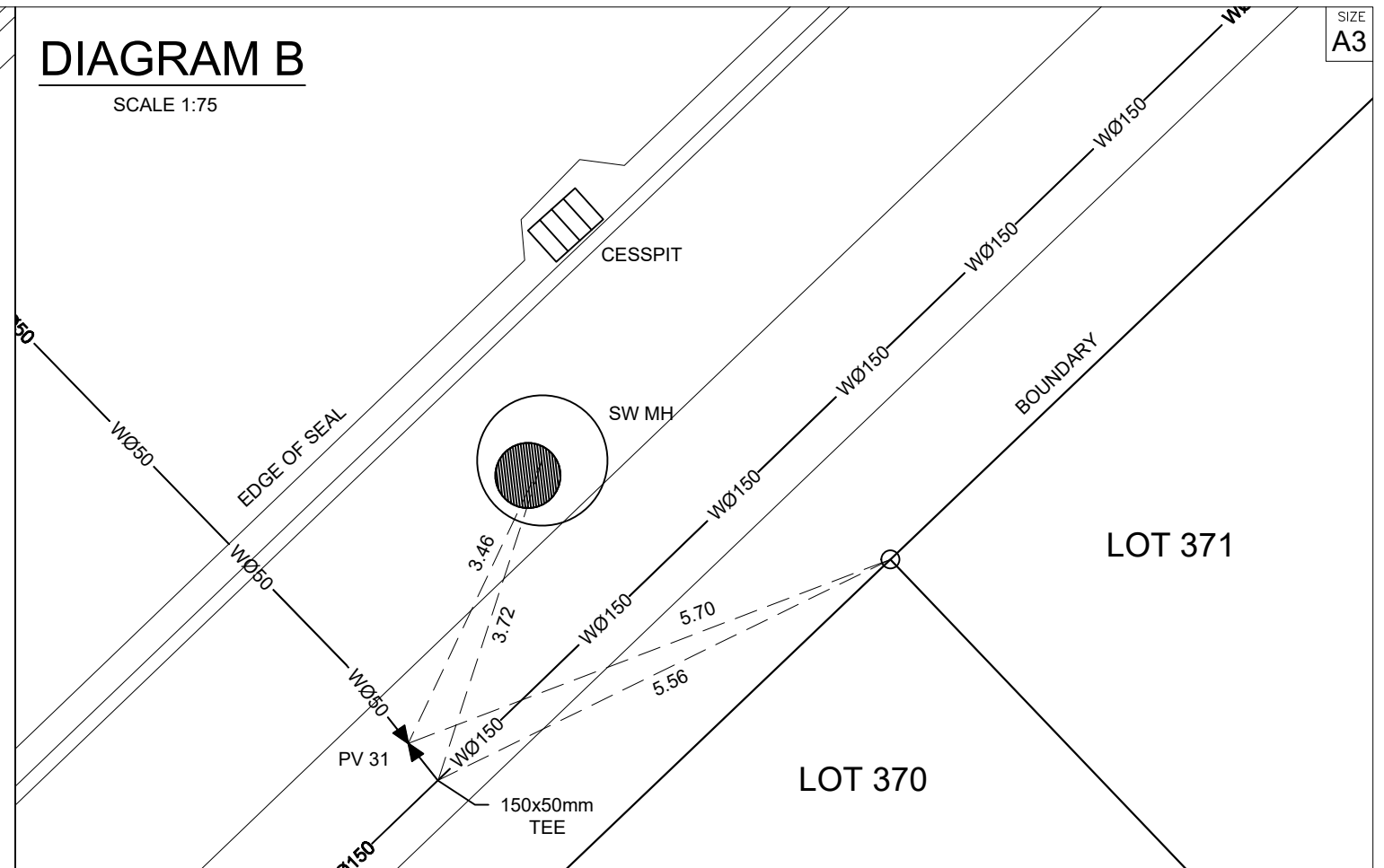


DIAGRAM B
SCALE 1:75

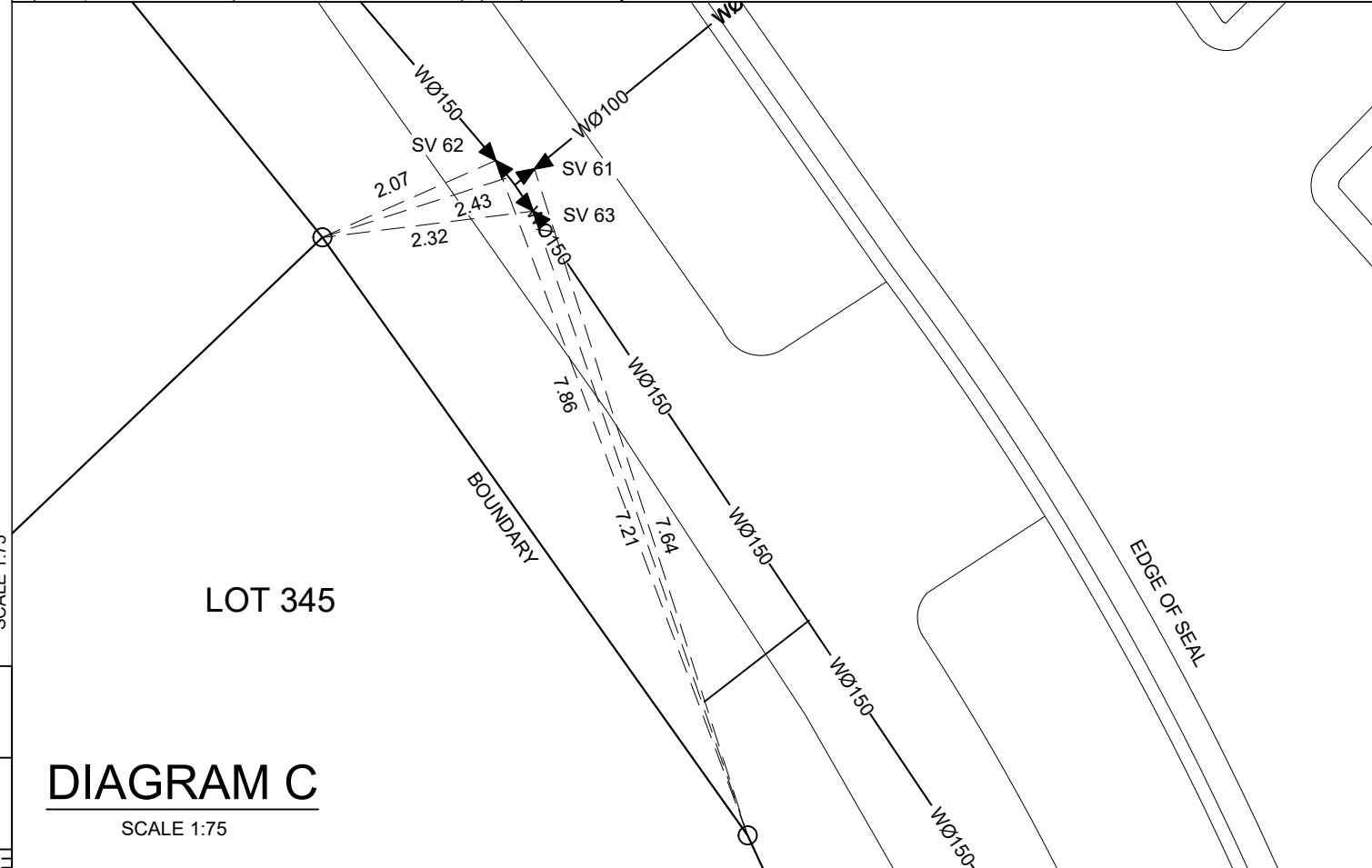


DIAGRAM C
SCALE 1:75

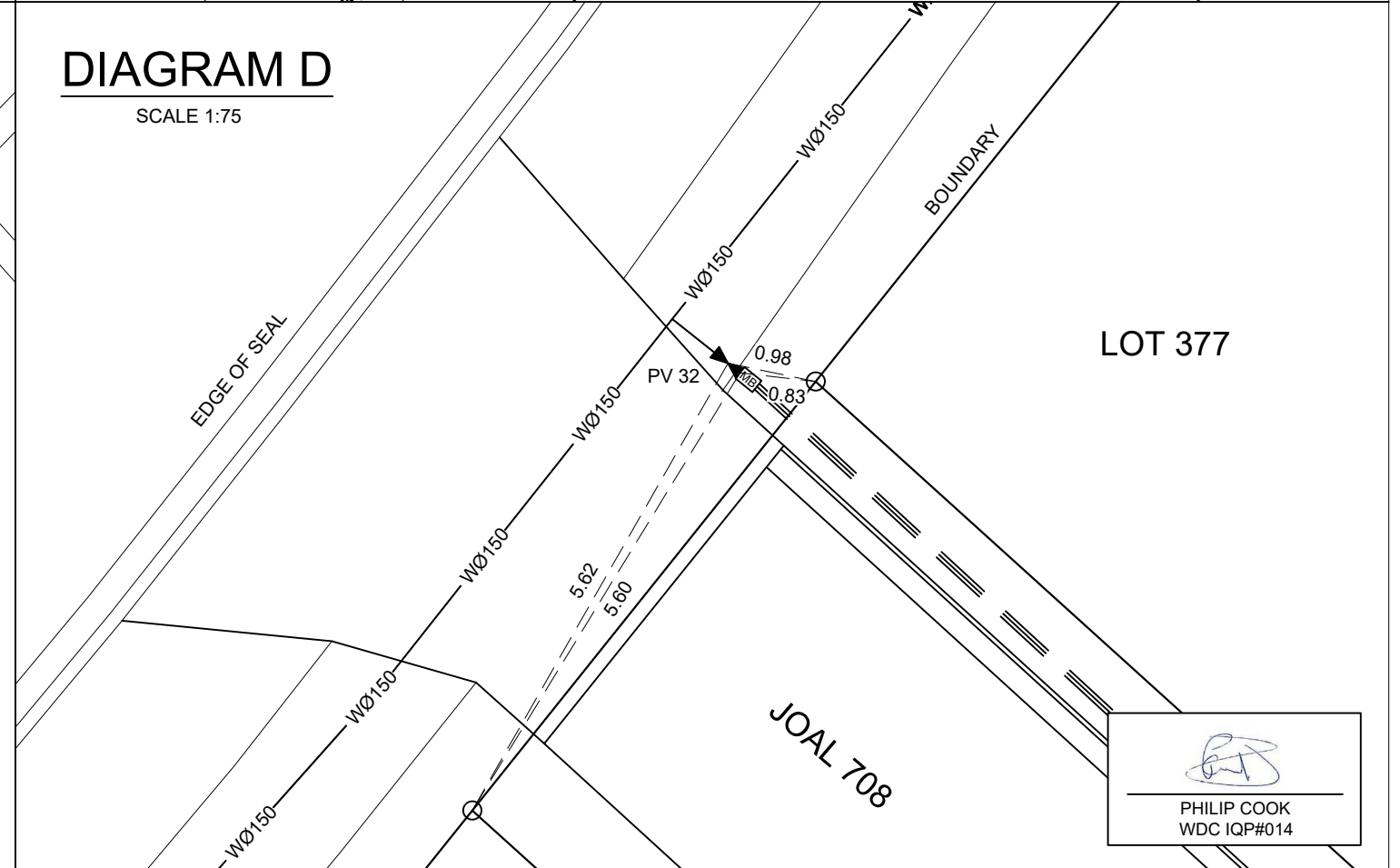



DIAGRAM D
SCALE 1:75


PHILIP COOK
WDC IQP#014

SCALE 1:75
3
2
1
0



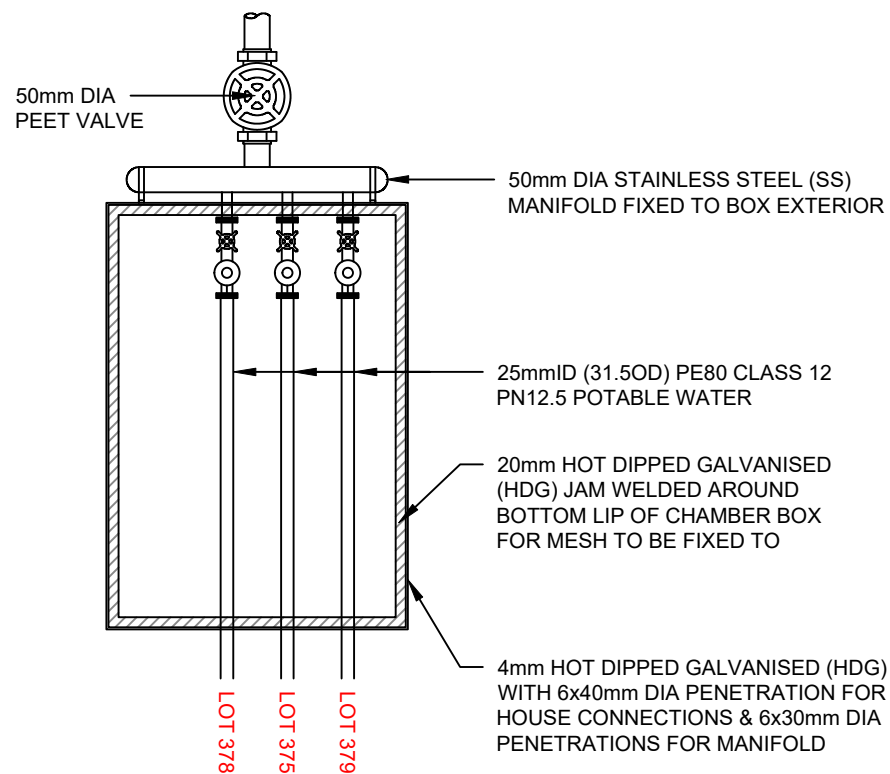
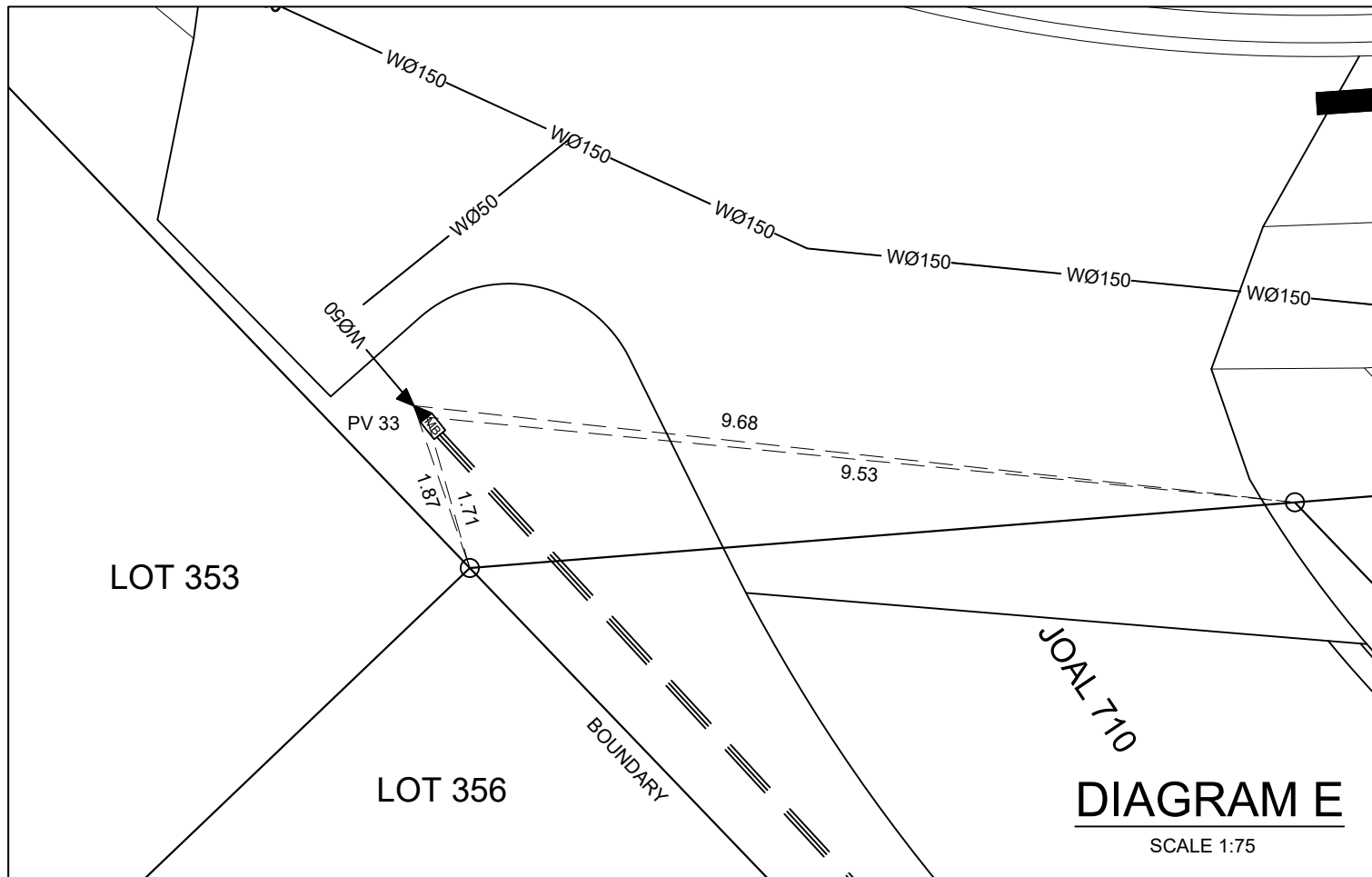
C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

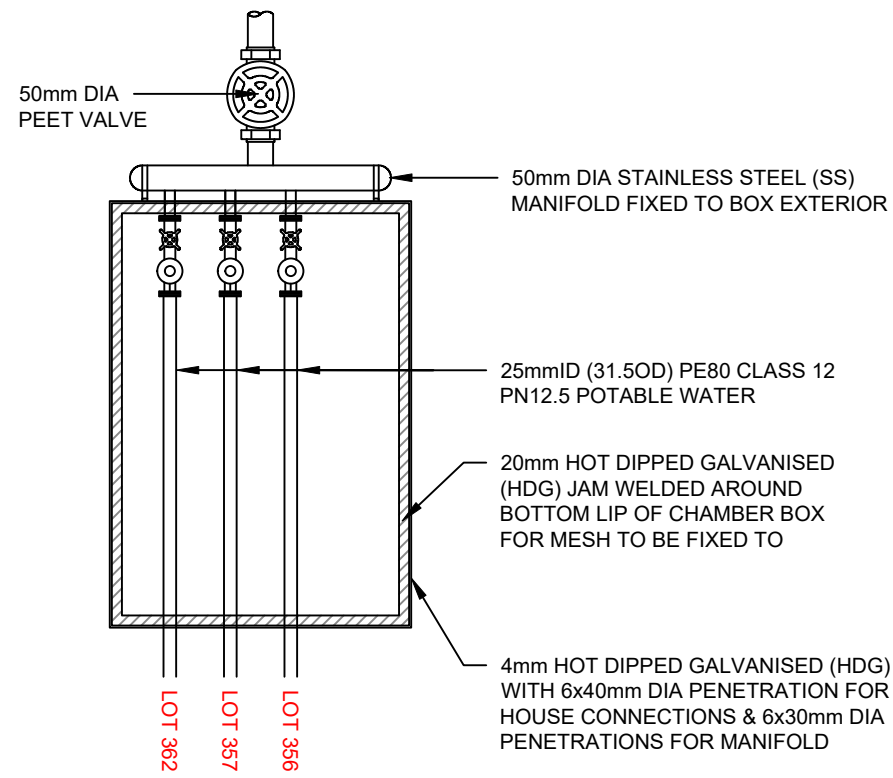
TITLE
POTABLE WATER PLAN
SHEET 7

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:75 @ A3	STATUS AS BUILTS	
DWG NUMBER AB707	REVISION A		


SCALE 1:75
0 1 2 3



**4 WAY MULTIBOX
(JOAL 708)**
SCALE 1:15



**4 WAY MULTIBOX
(JOAL 710)**
SCALE 1:15


PHILIP COOK
WDC IQP#014

C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	


PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA


TITLE
POTABLE WATER PLAN
SHEET 8

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE AS SHOWN @ A3	STATUS AS BUILT	
DWG NUMBER AB708			REVISION A

UNIT TYPE	DESCRIPTION	INSTALL DATE	EXP LIFE	mE	mN	LID LEVEL	INVERT LEVEL IN	INVERT LEVEL IN	INVERT LEVEL IN	INVERT LEVEL IN	INVERT LEVEL OUT	QUANTITY	PUBLIC / PRIVATE	MATERIAL	SIZE	UNIT TYPE	MFACT	SURFACE
Manhole	C01-6	25/01/2022	50 YRS	1731863.781	6033591.264	7.17	NA	NA	NA	NA	6.33	1	Public	Concrete	600mmID	SW Manhole	Hynds	Grass
Manhole	C01-5	25/01/2022	50 YRS	1731813.268	6033543.710	6.99	5.81	5.85	NA	NA	5.78	1	Public	Concrete	1200mmID	SW Manhole	Hynds	Grass
Manhole	C01-4	25/01/2022	50 YRS	1731767.227	6033499.602	6.80	5.38	5.41	5.64	NA	5.35	1	Public	Concrete	1200mmID	SW Manhole	Hynds	Grass
Manhole	C03-1	25/01/2022	50 YRS	1731719.124	6033453.436	6.62	5.6	5.62	NA	NA	5.59	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Grass
Manhole	C03-2	25/01/2022	50 YRS	1731699.620	6033438.412	6.49	5.69	5.72	NA	NA	5.67	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Grass
Manhole	C03-3	25/01/2022	50 YRS	1731684.737	6033442.519	6.63	5.79	NA	NA	NA	5.74	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	B01-4	25/01/2022	50 YRS	1731670.380	6033438.868	6.70	4.78	5.36	NA	NA	4.75	1	Public	Concrete	1800mmID	SW Manhole	Hynds	Concrete
Manhole	B01-3	25/01/2022	50 YRS	1731706.201	6033402.028	6.43	4.45	4.89	4.91	NA	4.42	1	Public	Concrete	1800mmID	SW Manhole	Hynds	Concrete
Manhole	B01-2	25/01/2022	50 YRS	1731729.062	6033378.223	6.11	4.17	4.54	NA	NA	4.13	1	Public	Concrete	1800mmID	SW Manhole	Hynds	Concrete
Manhole	C02-2	25/01/2022	50 YRS	1731878.766	6033591.674	7.22	NA	NA	NA	NA	6.36	1	Public	Concrete	600mmID	SW Manhole	Hynds	Grass
Manhole	C02-1	25/01/2022	50 YRS	1731821.127	6033536.343	6.98	5.73	5.88	NA	NA	5.69	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Grass
Manhole	C01-3	25/01/2022	50 YRS	1731775.336	6033491.620	6.80	5.28	5.35	5.29	NA	5.25	1	Public	Concrete	1800mmID	SW Manhole	Hynds	Grass
Manhole	C01-2	25/01/2022	50 YRS	1731723.950	6033442.703	6.62	4.58	5.31	NA	NA	4.58	1	Public	Concrete	1800mmID	SW Manhole	Hynds	Grass
Manhole	A02-2	25/01/2022	50 YRS	1731912.219	6033529.797	6.51	NA	NA	NA	NA	5.12	1	Public	Concrete	600mmID	SW Manhole	Hynds	Grass
Manhole	A02-1	25/01/2022	50 YRS	1731867.000	6033487.051	6.24	4.59	4.91	NA	NA	4.58	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Grass
Manhole	A01-8	25/01/2022	50 YRS	1731976.028	6033512.372	7.28	NA	NA	NA	NA	5.91	1	Public	Concrete	600mmID	SW Manhole	Hynds	Concrete
Manhole	A01-7	25/01/2022	50 YRS	1731971.829	6033527.634	7.07	5.72	NA	NA	NA	5.65	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	A01-6	25/01/2022	50 YRS	1731946.280	6033549.552	6.37	5.05	5.04	NA	NA	5.04	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	A01-5	25/01/2022	50 YRS	1731931.562	6033533.542	6.51	4.95	NA	NA	NA	4.94	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Grass
Manhole	A01-4	25/01/2022	50 YRS	1731870.093	6033474.640	6.24	4.54	4.57	5.07	NA	4.53	1	Public	Concrete	1200mmID	SW Manhole	Hynds	Grass
Manhole	A01-3	25/01/2022	50 YRS	1731827.378	6033433.560	6.04	4.31	4.45	4.48	NA	4.29	1	Public	Concrete	1200mmID	SW Manhole	Hynds	Grass
Manhole	A01-2	25/01/2022	50 YRS	1731777.076	6033385.190	5.80	4.01	3.98	4.34	4.54	3.94	1	Public	Concrete	2100mmID	SW Manhole	Hynds	Concrete
Manhole	A03-1	25/01/2022	50 YRS	1731761.026	6033370.062	5.85	4.17	4.14	4.62	NA	4.13	1	Public	Concrete	1200mmID	SW Manhole	Hynds	Concrete
Manhole	A03-2	25/01/2022	50 YRS	1731748.804	6033358.614	6.35	5.14	5.23	NA	NA	4.46	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	A03-3	25/01/2022	50 YRS	1731771.146	6033335.546	6.94	NA	NA	NA	NA	5.52	1	Public	Concrete	600mmID	SW Manhole	Hynds	Concrete
Manhole / Scruffy Dome	D01-1	25/01/2022	50 YRS	1731746.768	6033402.429	4.81	NA	NA	NA	NA	3.79	1	Public	Concrete	1500mmID	SW Manhole	Hynds	Grass
Manhole	D01-2	25/01/2022	50 YRS	1731730.808	6033377.166	6.07	3.50	NA	NA	NA	3.44	1	Public	Concrete	1500mmID	SW Manhole	Hynds	Concrete
Manhole	D01-3	25/01/2022	50 YRS	1731670.981	6033321.656	6.60	2.81	NA	NA	NA	NA	1	Public	Concrete	2100mmID	SW Manhole	Hynds	Grass
Manhole	101-5A	25/01/2022	50 YRS	1731784.310	6033510.357	6.84	3.31	NA	NA	NA	3.260	1	Public	Concrete	2550mmID	SW Manhole	Hynds	Asphalt
Manhole	101-6a	25/01/2022	50 YRS	1731695.308	6033423.854	6.79	3.56	NA	NA	NA	3.56	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Grass
Manhole	101-9a	25/01/2022	50 YRS	1731587.545	6033533.302	7.52	NA	NA	NA	NA	3.91	1	Public	Concrete	3000mmID	SW Manhole	Hynds	Grass
Manhole	102-1	25/01/2022	50 YRS	1731797.283	6033496.323	4.61	NA	NA	NA	NA	3.48	1	Public	Concrete	1500mmID	SW Manhole	Hynds	Grass
Headwall	HW-A01-1	25/01/2022	50 YRS	1731754.363	6033408.889	NA	NA	NA	NA	NA	3.76	1	Public	Concrete		Headwall	Hynds	
Headwall	HW-B01-1	25/01/2022	50 YRS	1731743.291	6033401.110	NA	NA	NA	NA	NA	3.98	1	Public	Concrete		Headwall	Hynds	
Headwall	HW-C01-1	25/01/2022	50 YRS	1731729.717	6033437.358	NA	NA	NA	NA	NA	4.52	1	Public	Concrete		Headwall	Hynds	


STORMWATER



PHILIP COOK
WDC IQP#014

 <p>www.coco.co.nz Whangarei Auckland Wellington Christchurch</p>	C		PROJECT DETAILS		TITLE	DATE CREATED	DRAWN	DESIGNED	APPROVED
	B		WFH PROPERTIES LIMITED		STORMWATER ASSET REGISTER	26/08/2022	K HANSARD	R BROOKES	P COOK
	A	1st ISSUE	THE LANDING - STAGE 6		SHEET 1	CCL REF NO	SCALE	STATUS	
	REV.	REVISION DETAILS	RUAKAKA			14333-006	NTS @ A3	AS BUILTS	
						DWG NUMBER		REVISION	
						AB800		A	

UNIT TYPE	DESCRIPTION	INSTALL DATE	EXP LIFE	mE	mN	LID LEVEL	INVERT LEVEL IN	INVERT LEVEL IN	INVERT LEVEL IN	INVERT LEVEL IN	INVERT LEVEL OUT	QUANTITY	PUBLIC / PRIVATE	MATERIAL	SIZE	UNIT TYPE	MFACT	SURFACE
Catch Pit	CP C09-1	25/01/2022	50 YRS	1731814.854	6033542.979	6.84	NA	NA	NA	NA	5.87	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP C08-1	25/01/2022	50 YRS	1731821.795	6033538.458	6.86	NA	NA	NA	NA	5.87	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP C07-1	25/01/2022	50 YRS	1731769.993	6033500.091	6.65	NA	NA	NA	NA	5.70	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP C06-1	25/01/2022	50 YRS	1731777.491	6033496.159	6.68	NA	NA	NA	NA	5.52	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP C05-1	25/01/2022	50 YRS	1731720.119	6033452.480	6.44	NA	NA	NA	NA	5.71	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP C04-1	25/01/2022	50 YRS	1731726.618	6033447.570	6.48	NA	NA	NA	NA	5.47	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP C10-1	25/01/2022	50 YRS	1731698.823	6033436.610	6.37	NA	NA	NA	NA	5.77	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP C11-1	25/01/2022	50 YRS	1731682.643	6033442.117	6.48	NA	NA	NA	NA	5.84	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP A10-1	25/01/2022	50 YRS	1731950.109	6033549.313	6.40	NA	NA	NA	NA	5.09	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP A14-1	25/01/2022	50 YRS	1731864.791	6033483.029	6.12	NA	NA	NA	NA	4.96	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP A08-1	25/01/2022	50 YRS	1731870.392	6033477.244	6.10	NA	NA	NA	NA	5.11	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP A07-1	25/01/2022	50 YRS	1731824.090	6033444.111	5.90	NA	NA	NA	NA	4.72	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP A06-1	25/01/2022	50 YRS	1731829.848	6033438.221	5.89	NA	NA	NA	NA	4.56	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP A05-1	25/01/2022	50 YRS	1731774.862	6033396.892	5.60	NA	NA	NA	NA	4.52	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP A04-1	25/01/2022	50 YRS	1731779.441	6033389.989	5.65	NA	NA	NA	NA	4.78	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP A12-1	25/01/2022	50 YRS	1731757.908	6033380.689	5.72	NA	NA	NA	NA	4.19	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP A11-1	25/01/2022	50 YRS	1731761.049	6033372.845	5.70	NA	NA	NA	NA	4.90	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP A13-1	25/01/2022	50 YRS	1731749.945	6033361.422	6.24	NA	NA	NA	NA	5.26	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP B12-1	25/01/2022	50 YRS	1731708.722	6033402.344	6.24	NA	NA	NA	NA	5.11	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP B13-1	25/01/2022	50 YRS	1731711.174	6033415.129	6.21	NA	NA	NA	NA	5.06	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	CP B14-1	25/01/2022	50 YRS	1731673.684	6033437.868	6.55	NA	NA	NA	NA	5.46	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete

STORMWATER


PHILIP COOK
WDC IQP#014

 Whangarei Auckland Wellington Christchurch	C		PROJECT DETAILS WFH PROPERTIES LIMITED THE LANDING - STAGE 6 ONE TREE POINT RUAKAKA	TITLE STORMWATER ASSET REGISTER SHEET 2	DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
	B				CCL REF NO 14333-006	SCALE NTS @ A3	STATUS AS BUILTS	
	A	1st ISSUE			26-08-22 KH PC	DWG NUMBER AB801	REVISION A	
	REV.	REVISION DETAILS			DRAWN APP.			

UNIT TYPE	DESCRIPTION	INSTALL DATE	EXP LIFE	mE	mN	INVERT LEVEL	LENGTH / QUANTITY	PUBLIC / PUBLIC	MATERIAL	SIZE	UNIT TYPE	MFACT	SURFACE
Connection	Lot 320	7/04/2022	50 YRS	1731877.418	6033614.966	6.606	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 321	7/04/2022	50 YRS	1731861.283	6033596.305	6.536	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 322	7/04/2022	50 YRS	1731847.465	6033583.737	6.539	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 323	7/04/2022	50 YRS	1731831.838	6033567.995	6.276	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 324	7/04/2022	50 YRS	1731815.780	6033553.271	6.417	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 325	7/04/2022	50 YRS	1731809.698	6033547.473	6.285	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 326	7/04/2022	50 YRS	1731786.391	6033525.385	6.133	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 327	7/04/2022	50 YRS	1731772.473	6033511.325	5.898	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 328	7/04/2022	50 YRS	1731763.516	6033503.548	5.898	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 329	7/04/2022	50 YRS	1731743.399	6033483.545	5.988	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 330	7/04/2022	50 YRS	1731727.973	6033469.342	5.992	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 331	7/04/2022	50 YRS	1731715.568	6033457.594	6.070	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 332	7/04/2022	50 YRS	1731709.129	6033451.782	5.841	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 344	15/03/2022	50 YRS	1731665.258	6033436.225	5.816	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 345	15/03/2022	50 YRS	1731670.771	6033431.017	6.146	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 348	15/03/2022	50 YRS	1731696.398	6033403.893	5.476	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 349	15/03/2022	50 YRS	1731710.367	6033391.691	5.540	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 352	15/03/2022	50 YRS	1731722.622	6033377.901	5.356	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 353	15/03/2022	50 YRS	1731728.628	6033372.473	5.153	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 356	15/03/2022	50 YRS	1731743.469	6033356.649	5.608	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 357	15/03/2022	50 YRS	1731759.017	6033340.500	5.980	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 362	15/03/2022	50 YRS	1731768.947	6033329.466	6.291	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 363	15/03/2022	50 YRS	1731763.159	6033365.807	4.523	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 364	15/03/2022	50 YRS	1731778.422	6033379.755	4.768	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 365	15/03/2022	50 YRS	1731790.943	6033391.414	4.824	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 366	15/03/2022	50 YRS	1731801.612	6033401.470	4.989	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 367	15/03/2022	50 YRS	1731814.633	6033414.061	4.984	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 368	15/03/2022	50 YRS	1731832.824	6033431.599	4.851	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 369	15/03/2022	50 YRS	1731846.230	6033444.301	5.148	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 370	15/03/2022	50 YRS	1731873.955	6033470.439	5.283	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 371	15/03/2022	50 YRS	1731878.998	6033476.275	5.134	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 372	15/03/2022	50 YRS	1731896.686	6033492.639	5.347	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 373	15/03/2022	50 YRS	1731912.501	6033507.559	5.295	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 374	15/03/2022	50 YRS	1731925.520	6033519.876	5.251	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 375	15/03/2022	50 YRS	1731970.696	6033510.931	6.225	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 376	15/03/2022	50 YRS	1731938.914	6033532.170	5.401	1	Private	PVC	100mmID	SW Connection	Hynds	Grass

STORMWATER


PHILIP COOK
WDC IQP#014



cook | costello
www.coco.co.nz
Whangarei | Auckland | Wellington | Christchurch

C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	


PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA


TITLE
STORMWATER ASSET REGISTER
SHEET 3

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE NTS @ A3	STATUS AS BUILTS	
DWG NUMBER AB802	REVISION A		

UNIT TYPE	DESCRIPTION	INSTALL DATE	EXP LIFE	mE	mN	INVERT LEVEL	LENGTH / QUANTITY	PUBLIC / PUBLIC	MATERIAL	SIZE	UNIT TYPE	MFACT	SURFACE
Connection	Lot 377	15/03/2022	50 YRS	1731961.427	6033541.095	5.766	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 378	15/03/2022	50 YRS	1731981.429	6033513.706	5.074	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 379	15/03/2022	50 YRS	1731977.764	6033506.997	5.099	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 429	16/06/2022	50 YRS	1731900.593	6033612.574	6.721	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 430	7/04/2022	50 YRS	1731941.926	6033570.615	5.558	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 431	7/04/2022	50 YRS	1731882.992	6033589.465	6.373	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 432	7/04/2022	50 YRS	1731939.372	6033567.390	5.605	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 433	7/04/2022	50 YRS	1731870.469	6033576.005	6.586	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 434	7/04/2022	50 YRS	1731909.860	6033534.757	5.500	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 435	7/04/2022	50 YRS	1731855.672	6033562.128	6.462	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 436	7/04/2022	50 YRS	1731895.400	6033520.752	5.843	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 437	7/04/2022	50 YRS	1731840.839	6033547.371	6.248	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 438	7/04/2022	50 YRS	1731881.249	6033507.349	5.766	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 439	7/04/2022	50 YRS	1731827.133	6033534.693	6.257	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 440	7/04/2022	50 YRS	1731866.703	6033492.608	5.403	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 441	7/04/2022	50 YRS	1731817.180	6033524.822	6.479	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Connection	Lot 442	7/04/2022	50 YRS	1731863.742	6033491.178	5.410	1	Private	PVC	100mmID	SW Connection	Hynds	Grass


STORMWATER



PHILIP COOK
WDC IQP#014

 Whangarei Auckland Wellington Christchurch	C		PROJECT DETAILS		TITLE	DATE CREATED	DRAWN	DESIGNED	APPROVED
	B		WFH PROPERTIES LIMITED		STORMWATER ASSET REGISTER	26/08/2022	K HANSARD	R BROOKES	P COOK
	A	1st ISSUE	THE LANDING - STAGE 6		SHEET 4	CCL REF NO	SCALE	STATUS	
	REV.	REVISION DETAILS	ONE TREE POINT	26-08-22		DWG NUMBER	NTS @ A3	AS BUILTS	
			RUAKAKA	KH PC		AB803		REVISION	A

CODE	NAME	DATE INSTALL	EXP LIFE	mE	mN	QUANTITY	PUBLIC/PRIVATE	MATERIAL	SIZE	MFACT	SERVICE
Tapping Band	Lot 322	11/04/2022	50 Yrs	1731850.781	6033579.287	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 323	11/04/2022	50 Yrs	1731834.790	6033563.909	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 324	11/04/2022	50 Yrs	1731819.109	6033549.369	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 326	11/04/2022	50 Yrs	1731789.797	6033521.342	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 327	11/04/2022	50 Yrs	1731775.420	6033507.597	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 329	11/04/2022	50 Yrs	1731746.906	6033480.359	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 330	11/04/2022	50 Yrs	1731731.462	6033465.600	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 332	11/04/2022	50 Yrs	1731712.241	6033448.137	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 348	11/04/2022	50 Yrs	1731700.782	6033408.165	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 349	11/04/2022	50 Yrs	1731713.634	6033394.798	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 357	11/04/2022	50 Yrs	1731762.803	6033344.129	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 365	11/04/2022	50 Yrs	1731786.797	6033394.903	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 366	11/04/2022	50 Yrs	1731797.325	6033404.972	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 367	11/04/2022	50 Yrs	1731810.623	6033417.461	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 369	11/04/2022	50 Yrs	1731842.437	6033448.276	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 371	11/04/2022	50 Yrs	1731875.190	6033479.265	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 372	11/04/2022	50 Yrs	1731892.876	6033496.460	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 373	11/04/2022	50 Yrs	1731908.668	6033511.566	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 374	11/04/2022	50 Yrs	1731921.657	6033523.990	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 377	11/04/2022	50 Yrs	1731958.571	6033538.604	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 433	11/04/2022	50 Yrs	1731866.432	6033579.537	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 435	11/04/2022	50 Yrs	1731852.221	6033565.801	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 436	11/04/2022	50 Yrs	1731898.715	6033517.283	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 437	11/04/2022	50 Yrs	1731837.115	6033551.005	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 438	11/04/2022	50 Yrs	1731884.624	6033503.817	1	Public	PVC SN16	100mmID	Hynds	LPS
Tapping Band	Lot 441	11/04/2022	50 Yrs	1731813.377	6033528.662	1	Public	PVC SN16	100mmID	Hynds	LPS


STORMWATER



PHILIP COOK
WDC IQP#014

 www.coco.co.nz Whangarei Auckland Wellington Christchurch	C		PROJECT DETAILS	TITLE	DATE CREATED	DRAWN	DESIGNED	APPROVED
	B		WFH PROPERTIES LIMITED THE LANDING - STAGE 6 ONE TREE POINT RUAKAKA	STORMWATER ASSET REGISTER SHEET 5	26/08/2022	K HANSARD	R BROOKES	P COOK
	A	1st ISSUE			26-08-22	CCL REF NO	SCALE	STATUS
	REV.	REVISION DETAILS			DRAWN APP.	14333-006	NTS @ A3	AS BUILTS
					DWG NUMBER		REVISION	
					AB804		A	

UNIT TYPE	DESCRIPTION	INSTALL DATE	EXP LIFE	US mE	US mN	US INVERT	DS INVERT	DS mE	DS mN	LENGTH / QUANTITY	PUBLIC / PRIVATE	MATERIAL	SIZE	UNIT TYPE	MFACT
STMN	MH C01-6 - MH C01-5	28/01/2022	50 YRS	1731863.554	6033591.054	6.33	5.81	1731813.701	6033544.007	68.55	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	MH C01-5 - MH C01-4	28/01/2022	50 YRS	1731812.832	6033543.180	5.78	5.41	1731767.66	6033499.79	62.64	Public	uPVC SN8	375mmID	SW Connection	Hynds
STMN	MH C03-1 - MH C01-4	28/01/2022	50 YRS	1731719.731	6033454.209	5.59	5.38	1731766.791	6033498.960	64.94	Public	uPVC SN8	500mmID	SW Connection	Hynds
STMN	MH C03-2 - MH C03-1	28/01/2022	50 YRS	1731700.034	6033438.736	5.67	5.60	1731718.937	6033453.524	24.00	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	MH C03-3 - MH C03-2	28/01/2022	50 YRS	1731685.244	6033442.380	5.74	5.69	1731699.114	6033438.552	14.39	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	CP C11-1 - MH C03-3	28/01/2022	50 YRS	1731682.954	6033442.177	5.84	5.25	1731684.222	6033442.420	1.29	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	CP C09-1 - MH C01-5	28/01/2022	50 YRS	1731814.558	6033543.095	5.87	5.85	1731813.824	6033543.379	0.79	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	CP C07-1 - MH C01-4	28/01/2022	50 YRS	1731769.685	6033500.011	5.70	5.64	1731767.807	6033499.524	1.94	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	CP C05-1 - MH C03-1	28/01/2022	50 YRS	1731719.964	6033452.757	5.71	5.62	1731719.608	6033453.389	0.73	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	CP C10-1 - MH C03-2	28/01/2022	50 YRS	1731698.951	6033436.900	5.77	5.72	1731699.408	6033437.932	1.13	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	MH C02-2 - MH C02-1	28/01/2022	50 YRS	1731878.564	6033591.457	6.36	5.73	1731821.629	6033536.434	79.18	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	MH C02-1 - MH C01-3	28/01/2022	50 YRS	1731820.872	6033535.707	5.69	5.29	1731775.573	6033492.508	62.60	Public	uPVC SN8	450mmID	SW Connection	Hynds
STMN	MH C01-3 - MH C01-2	28/01/2022	50 YRS	1731774.273	6033491.263	5.28	4.58	1731724.914	6033443.773	68.50	Public	RCRRJ Class 2	750mmID	SW Connection	Hynds
STMN	MH C01-2 - HW C01-1	28/01/2022	50 YRS	1731724.882	6033442.494	4.57	4.52	1731729.820	6033437.243	7.21	Public	RCRRJ Class 2	750mmID	SW Connection	Hynds
STMN	CP C08-1 - MH C02-1	28/01/2022	50 YRS	1731821.725	6033538.148	5.88	5.87	1731821.368	6033536.581	1.61	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	CP C06-1 - MH C01-3	28/01/2022	50 YRS	1731777.328	6033495.887	5.52	5.35	1731775.385	6033492.658	3.77	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	MH C01-4 - MH C01-3	28/01/2022	50 YRS	1731767.656	6033498.955	5.35	5.28	1731774.276	6033492.515	9.23	Public	RCRRJ Class 2	600mmID	SW Connection	Hynds
STMN	CP C04-1 - MH C01-2	28/01/2022	50 YRS	1731726.469	6033447.289	5.47	5.31	1731724.688	6033443.944	3.79	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	MH A01-8 - MH A01-7	28/01/2022	50 YRS	1731975.913	6033512.790	5.91	5.72	1731971.964	6033527.142	14.89	Public	uPVC SN16	300mmID	SW Connection	Hynds
STMN	MH A01-7 - MH A01-6	28/01/2022	50 YRS	1731971.420	6033527.981	5.65	5.05	1731946.589	6033549.067	32.58	Public	uPVC SN16	300mmID	SW Connection	Hynds
STMN	MH A01-6 - MH A01-5	28/01/2022	50 YRS	1731945.837	6033549.034	5.04	4.95	1731931.828	6033533.766	20.72	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	MH A01-5 - MH A01-4	28/01/2022	50 YRS	1731931.100	6033533.023	4.94	4.54	1731870.409	6033474.969	83.99	Public	uPVC SN8	375mmID	SW Connection	Hynds
STMN	MH A01-4 - MH A01-3	28/01/2022	50 YRS	1731869.526	6033474.125	4.53	4.31	1731827.651	6033434.167	57.88	Public	RCRRJ Class 2	600mmID	SW Connection	Hynds
STMN	MH A01-3 - MH A01-2	28/01/2022	50 YRS	1731826.787	6033433.342	4.29	3.98	1731777.622	6033386.351	68.01	Public	RCRRJ Class 2	600mmID	SW Connection	Hynds
STMN	MH A01-2 - HW A01-1	28/01/2022	50 YRS	1731776.126	6033386.383	3.94	3.76	1731754.178	6033409.053	31.55	Public	RCRRJ Class 4	750mmID	SW Connection	Hynds
STMN	MH A03-1 - MH A01-2	28/01/2022	50 YRS	1731761.507	6033370.492	4.13	4.01	1731776.115	6033384.889	20.51	Public	uPVC SN8	450mmID	SW Connection	Hynds
STMN	MH A03-2 - MH A03-1	28/01/2022	50 YRS	1731749.107	6033359.190	4.46	4.17	1731760.629	6033369.660	15.57	Public	uPVC SN16	375mmID	SW Connection	Hynds
STMN	MH A03-3 - MH A03-2	28/01/2022	50 YRS	1731770.939	6033335.762	5.52	5.14	1731749.091	6033358.435	31.49	Public	uPVC SN16	300mmID	SW Connection	Hynds
STMN	CP A10-1 - MH A01-6	28/01/2022	50 YRS	1731949.800	6033549.321	5.09	5.04	1731946.705	6033549.399	3.12	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	CP A08-1 - MH A01-4	28/01/2022	50 YRS	1731870.344	6033476.938	5.87	5.07	1731870.063	6033475.135	1.92	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	CP A07-1 - MH A01-3	28/01/2022	50 YRS	1731824.185	6033443.797	4.72	4.45	1731827.044	6033434.313	9.91	Public	uPVC SN16	300mmID	SW Connection	Hynds
STMN	CP A06-1 - MH A01-3	28/01/2022	50 YRS	1731829.688	6033437.949	4.56	4.48	1731827.518	6033434.267	4.28	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	CP A05-1 - MH A01-2	28/01/2022	50 YRS	1731774.916	6033396.587	4.52	4.34	1731776.678	6033386.657	10.09	Public	uPVC SN16	300mmID	SW Connection	Hynds
STMN	CP A04-1 - MH A01-2	28/01/2022	50 YRS	1731779.280	6033389.718	4.78	4.54	1731777.395	6033386.527	3.72	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	CP A12-1 - MH A03-1	28/01/2022	50 YRS	1731757.997	6033380.392	4.19	4.14	1731760.903	6033370.629	10.06	Public	uPVC SN16	300mmID	SW Connection	Hynds
STMN	CP A11-1 - MH A03-1	28/01/2022	50 YRS	1731761.052	6033372.536	4.90	4.62	1731761.066	6033370.662	1.89	Public	uPVC SN8	300mmID	SW Connection	Hynds


STORMWATER


PHILIP COOK
WDC IQP#014

 www.coco.co.nz Whangarei Auckland Wellington Christchurch	C		PROJECT DETAILS		TITLE	DATE CREATED	DRAWN	DESIGNED	APPROVED
	B		WFH PROPERTIES LIMITED		STORMWATER ASSET REGISTER	26/08/2022	K HANSARD	R BROOKES	P COOK
	A	1st ISSUE	THE LANDING - STAGE 6		SHEET 6	CCL REF NO	SCALE	STATUS	
	REV.	REVISION DETAILS	ONE TREE POINT	26-08-22	RUAKAKA	14333-006	NTS @ A3	AS BUILTS	
						DWG NUMBER	REVISION		
						AB805	A		

UNIT TYPE	DESCRIPTION	INSTALL DATE	EXP LIFE	US mE	US mN	US INVERT	DS INVERT	DS mE	DS mN	LENGTH / QUANTITY	PUBLIC / PRIVATE	MATERIAL	SIZE	UNIT TYPE	MFACT
STMN	CP A13-1 - MH A03-2	28/01/2022	50 YRS	1731749.812	6033361.135	5.26	5.23	1731748.946	6033359.282	2.06	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	MH A02-2 - MH A02-1	28/01/2022	50 YRS	1731912.001	6033529.591	5.12	4.59	1731867.436	6033487.390	61.38	Public	uPVC SN8	375mmID	SW Connection	Hynds
STMN	MH A02-1 - MH A01-4	28/01/2022	50 YRS	1731867.169	6033486.497	4.58	4.54	1731869.840	6033475.110	11.70	Public	uPVC SN16	450mmID	SW Connection	Hynds
STMN	CP A14-1 - MH A02-1	28/01/2022	50 YRS	1731864.953	6033483.315	4.96	4.91	1731866.791	6033486.569	3.74	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	MH B01-4 - MH B01-3	28/01/2022	50 YRS	1731671.369	6033438.621	4.75	4.45	1731706.057	6033402.763	49.89	Public	RCRRJ Class 2	1050mmID	SW Connection	Hynds
STMN	MH B01-3 - MH B01-2	28/01/2022	50 YRS	1731707.301	6033401.462	4.42	4.17	1731728.100	6033379.482	30.26	Public	RCRRJ Class 2	1050mmID	SW Connection	Hynds
STMN	MH B01-2 - HW B01-1	28/01/2022	50 YRS	1731729.317	6033379.468	4.13	3.98	1731743.006	6033400.669	25.24	Public	RCRRJ Class 4	1050mmID	SW Connection	Hynds
STMN	CP B14-1 - MH B01-4	28/01/2022	50 YRS	1731673.397	6033438.005	5.46	5.36	1731671.556	6033438.881	2.04	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	CP B13-1 - MH B01-3	28/01/2022	50 YRS	1731711.071	6033414.829	5.06	4.89	1731706.976	6033402.966	12.55	Public	uPVC SN16	300mmID	SW Connection	Hynds
STMN	CP B12-1 - MH B01-3	28/01/2022	50 YRS	1731708.406	6033402.309	5.11	4.91	1731707.577	6033402.216	0.86	Public	uPVC SN8	300mmID	SW Connection	Hynds
STMN	End Cap - MH B01-2	28/01/2022	50 YRS	1731697.149	6033348.641	4.83	4.54	1731728.281	6033377.99	42.79	Public	RCRRJ Class 2	525mmID	SW Connection	Hynds
STMN	MH D01-1 - MH D01-2	28/01/2022	50 YRS	1731746.330	6033401.761	3.79	3.50	1731730.932	6033378.027	28.29	Public	RCRRJ Class 4	900mmID	SW Connection	Hynds
STMN	MH D01-2 - MH D01-3	28/01/2022	50 YRS	1731729.774	6033376.820	3.44	2.81	1731671.958	6033322.524	79.31	Public	RCRRJ Class 2	900mmID	SW Connection	Hynds
STMN	MH 101-5a - EXMH 101-3C	28/01/2022	50 YRS	1731785.765	6033510.654	3.26					Public	RCRRJ Class 4	1600mmID	SW Connection	Hynds
STMN	MH 102-1 - MH 101-5a	28/01/2022	50 YRS	1731796.775	6033496.874	3.48	3.31	1731785.653	6033508.931	16.40	Public	RCRRJ Class 4	900mmID	SW Connection	Hynds
STMN	MH 101-6a - MH 101-5a	28/01/2022	50 YRS	1731695.665	6033424.640	3.56	3.31	1731783.902	6033508.986	122.07	Public	RCRRJ Class 4	1600mmID	SW Connection	Hynds
STMN	MH 101-9a - MH 101-6a	28/01/2022	50 YRS	1731587.545	6033533.302	3.91	3.57	1731694.904	6033423.917	152.90	Public	RCRRJ Class 4	1600mmID	SW Connection	Hynds

STORMWATER


PHILIP COOK
WDC IQP#014



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA


TITLE
STORMWATER ASSET REGISTER
SHEET 7

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE NTS @ A3	STATUS AS BUILTS	
DWG NUMBER AB806		REVISION A	

CODE	NAME	DATE INSTALL	EXP LIFE	mE	mN	LID LEVELS	INVERT IN	INVERT OUT	QUANTITY	PUBLIC/PRIVATE	MATERIAL	SIZE	MFACT	SERVICE
Isolation Valve	IV 50	14/08/2022	50 Yrs	1731797.741	6033532.750	7.01	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Isolation Valve	IV 51	14/08/2022	50 Yrs	1731797.295	6033532.349	7.00	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Isolation Valve	IV 52	14/08/2022	50 Yrs	1731808.975	6033520.191	7.00	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Isolation Valve	IV 53	14/08/2022	50 Yrs	1731809.241	6033519.889	6.99	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Isolation Valve	IV 54	14/08/2022	50 Yrs	1731851.539	6033476.512	6.21	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Isolation Valve	IV 55	14/08/2022	50 Yrs	1731863.180	6033463.968	6.26	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Isolation Valve	IV 56	14/08/2022	50 Yrs	1731862.963	6033463.762	6.24	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Isolation Valve	IV 57	14/08/2022	50 Yrs	1731676.815	6033423.572	6.81	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Isolation Valve	IV 58	14/08/2022	50 Yrs	1731676.699	6033423.897	6.81	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Flush Point	FP 4	14/08/2022	50 Yrs	1731879.389	6033614.268	7.36	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Flush Point	FP 5	14/08/2022	50 Yrs	1731943.714	6033570.152	6.31	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Flush Point	FP 6	14/08/2022	50 Yrs	1731974.372	6033510.150	7.38	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Flush Point	FP 7	14/08/2022	50 Yrs	1731767.258	6033372.355	5.91	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Flush Point	FP 8	14/08/2022	50 Yrs	1731668.822	6033437.035	6.75	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Flush Point	FP 9	14/08/2022	50 Yrs	1731770.050	6033333.184	6.99	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS

CODE	NAME	DATE INSTALL	EXP LIFE	START CO-ORD mE	START CO-ORD mN	MFACT	SIZE	END CO-ORD (mE)	END CO-ORD (mN)	LENGTH	SERVICE
SS Pipe	LINE 1	14/03/2022	50 Yrs	1731809.215	6033520.061	Hynds	75mmID	1731898.919	6033612.649	129.17	SS Water
SS Pipe	LINE 2	14/03/2022	50 Yrs	1731863.065	6033463.915	Hynds	63mmID	1731809.215	6033520.061	77.78	SS Water
SS Pipe	LINE 3	14/03/2022	50 Yrs	1731676.760	6033423.728	Hynds	63mmID	1731809.215	6033520.061	180.16	SS Water
SS Pipe	LINE 4	14/03/2022	50 Yrs	1731943.122	6033569.753	Hynds	50mmID	1731851.339	6033476.335	147.36	SS Water
SS Pipe	LINE 5	14/03/2022	50 Yrs	1731974.371	6033510.154	Hynds	50mmID	1731863.065	6033463.915	166.82	SS Water
SS Pipe	LINE 6	14/03/2022	50 Yrs	1731767.892	6033372.653	Hynds	50mmID	1731863.065	6033463.900	129.48	SS Water
SS Pipe	LINE 7	14/03/2022	50 Yrs	1731878.966	6033613.750	Hynds	50mmID	1731797.519	6033532.553	115.08	SS Water
SS Pipe	LINE 8	14/03/2022	50 Yrs	1731669.130	6033436.417	Hynds	50mmID	1731676.751	6033423.720	14.82	SS Water
SS Pipe	LINE 9	14/03/2022	50 Yrs	1731770.050	6033333.184	Hynds	50mmID	1731676.667	6033423.908	130.91	SS Water

SEWER


PHILIP COOK
WDC IQP#014



C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	


PROJECT DETAILS
WFH PROPERTIES LIMITED THE LANDING - STAGE 6 ONE TREE POINT RUAKAKA


TITLE
SEWER ASSET REGISTER SHEET 1

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE NTS @ A3	STATUS AS BUILTS	
DWG NUMBER AB810		REVISION A	

CODE	NAME	DATE INSTALL	EXP LIFE	mE	mN	LID LEVEL	PUBLIC/PRIVATE	MFACT	SIZE	SERVICE	SURFACE
SS BDY Kit	Lot 320	15/03/2022	50 Yrs	1731877.535	6033612.515	7.335	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 321	15/03/2022	50 Yrs	1731877.113	6033612.047	7.284	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 322	15/03/2022	50 Yrs	1731846.145	6033579.353	7.203	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 323	15/03/2022	50 Yrs	1731845.185	6033578.578	7.195	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 324	15/03/2022	50 Yrs	1731814.617	6033549.184	7.063	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 325	15/03/2022	50 Yrs	1731845.185	6033578.578	7.059	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 326	15/03/2022	50 Yrs	1731785.229	6033521.237	6.906	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 327	15/03/2022	50 Yrs	1731784.685	6033520.660	6.908	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 328	15/03/2022	50 Yrs	1731756.358	6033493.449	6.821	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 329	15/03/2022	50 Yrs	1731755.757	6033492.912	6.827	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 330	15/03/2022	50 Yrs	1731727.394	6033465.912	6.743	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 331	15/03/2022	50 Yrs	1731726.807	6033465.376	6.735	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 332	15/03/2022	50 Yrs	1731711.204	6033450.881	6.621	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 344	15/03/2022	50 Yrs	1731670.083	6033434.766	6.822	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 345	15/03/2022	50 Yrs	1731670.426	6033434.313	6.607	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 348	15/03/2022	50 Yrs	1731697.146	6033404.689	6.635	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 349	15/03/2022	50 Yrs	1731698.182	6033404.406	6.620	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 352	15/03/2022	50 Yrs	1731725.847	6033378.177	6.151	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 353	15/03/2022	50 Yrs	1731729.294	6033374.729	6.127	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 356	15/03/2022	50 Yrs	1731754.107	6033348.857	6.599	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 357	15/03/2022	50 Yrs	1731754.569	6033348.364	6.594	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 362	15/03/2022	50 Yrs	1731768.461	6033334.074	6.935	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 363	15/03/2022	50 Yrs	1731768.987	6033373.762	5.902	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 364	15/03/2022	50 Yrs	1731769.645	6033374.286	5.883	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 365	15/03/2022	50 Yrs	1731796.176	6033399.706	5.887	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 366	15/03/2022	50 Yrs	1731796.506	6033400.025	6.094	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 367	15/03/2022	50 Yrs	1731824.763	6033427.062	6.091	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 368	15/03/2022	50 Yrs	1731825.384	6033427.592	6.246	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 369	15/03/2022	50 Yrs	1731856.250	6033457.090	6.240	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 370	15/03/2022	50 Yrs	1731856.875	6033457.705	6.484	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 371	15/03/2022	50 Yrs	1731890.926	6033490.193	6.447	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 372	15/03/2022	50 Yrs	1731891.583	6033490.749	6.614	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 373	15/03/2022	50 Yrs	1731920.029	6033518.205	6.613	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 374	15/03/2022	50 Yrs	1731920.595	6033518.806	7.175	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 375	15/03/2022	50 Yrs	1731971.299	6033519.497	7.342	Public	Gillies	40mmID	LPS	Grass


SEWER


 PHILIP COOK
 WDC IQP#014

 www.coco.co.nz Whangarei Auckland Wellington Christchurch	C				PROJECT DETAILS	TITLE	DATE CREATED	DRAWN	DESIGNED	APPROVED
	B				WFH PROPERTIES LIMITED THE LANDING - STAGE 6 ONE TREE POINT RUAKAKA	SEWER ASSET REGISTER SHEET 2	26/08/2022	K HANSARD	R BROOKES	P COOK
	A	1st ISSUE	26-08-22						CCL REF NO	SCALE
	REV.	REVISION DETAILS		KH PC	DRAWN APP.			14333-006	NTS @ A3	AS BUILTS
							DWG NUMBER	AB811	REVISION	A

CODE	NAME	DATE INSTALL	EXP LIFE	mE	mN	LID LEVEL	PUBLIC/PRIVATE	MFACT	SIZE	SERVICE	SURFACE
SS BDY Kit	Lot 376	15/03/2022	50 Yrs	1731971.276	6033520.204	7.184	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 377	15/03/2022	50 Yrs	1731974.463	6033527.620	7.133	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 378	15/03/2022	50 Yrs	1731974.687	6033527.067	7.132	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 379	15/03/2022	50 Yrs	1731974.830	6033509.307	7.175	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 429	15/03/2022	50 Yrs	1731893.208	6033604.709	7.331	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 430	15/03/2022	50 Yrs	1731941.954	6033568.767	6.271	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 431	15/03/2022	50 Yrs	1731880.944	6033589.857	7.319	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 432	15/03/2022	50 Yrs	1731926.751	6033549.527	6.602	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 433	15/03/2022	50 Yrs	1731880.472	6033589.385	7.315	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 434	15/03/2022	50 Yrs	1731926.279	6033548.931	6.608	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 435	15/03/2022	50 Yrs	1731853.431	6033562.371	7.225	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 436	15/03/2022	50 Yrs	1731895.204	6033518.589	6.524	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 437	15/03/2022	50 Yrs	1731852.926	6033561.825	7.225	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 438	15/03/2022	50 Yrs	1731894.743	6033518.042	6.536	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 439	15/03/2022	50 Yrs	1731824.586	6033534.755	7.240	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 440	15/03/2022	50 Yrs	1731866.312	6033490.867	7.080	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 441	15/03/2022	50 Yrs	1731824.022	6033534.195	7.090	Public	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 442	15/03/2022	50 Yrs	1731865.903	6033490.450	6.325	Public	Gillies	40mmID	LPS	Grass

SEWER


PHILIP COOK
WDC IQP#014



cook | costello
www.coco.co.nz
Whangarei | Auckland | Wellington | Christchurch

C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	


PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA


TITLE
SEWER ASSET REGISTER
SHEET 3

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE NTS @ A3	STATUS AS BUILTS	
DWG NUMBER AB812		REVISION A	

CODE	NAME	DATE INSTALL	EXP LIFE	mE	mN	QUANTITY	PUBLIC/PRIVATE	MATERIAL	SIZE	MFACT	SERVICE
Tapping Band	LOTS 320 & 321	11/04/2022	50 Yrs	1731877.476	6033612.140	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 322 & 323	11/04/2022	50 Yrs	1731845.630	6033578.998	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 324 & 325	11/04/2022	50 Yrs	1731814.350	6033548.893	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 326 & 327	11/04/2022	50 Yrs	1731784.975	6033520.936	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 328 & 329	11/04/2022	50 Yrs	1731756.257	6033492.969	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 330 & 331	11/04/2022	50 Yrs	1731727.293	6033465.431	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOT 332	11/04/2022	50 Yrs	1731711.204	6033450.881	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 344 & 345	11/04/2022	50 Yrs	1731670.255	6033434.539	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 348 & 349	11/04/2022	50 Yrs	1731697.659	6033404.705	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOT 352	11/04/2022	50 Yrs	1731725.884	6033378.213	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOT 353	11/04/2022	50 Yrs	1731729.212	6033374.649	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 356 & 357	11/04/2022	50 Yrs	1731754.507	6033348.678	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOT 362	11/04/2022	50 Yrs	1731768.788	6033334.399	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 363 & 364	11/04/2022	50 Yrs	1731769.316	6033374.024	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 365 & 366	11/04/2022	50 Yrs	1731796.246	6033399.965	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 367 & 368	11/04/2022	50 Yrs	1731825.068	6033427.332	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 369 & 370	11/04/2022	50 Yrs	1731856.445	6033457.692	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 371 & 372	11/04/2022	50 Yrs	1731891.258	6033490.452	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 373 & 374	11/04/2022	50 Yrs	1731920.329	6033518.521	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 375 & 376	11/04/2022	50 Yrs	1731971.715	6033519.972	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 377 & 378	11/04/2022	50 Yrs	1731970.483	6033524.284	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOT 379	11/04/2022	50 Yrs	1731974.830	6033509.307	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOT 429	11/04/2022	50 Yrs	1731892.976	6033604.887	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOT 430	11/04/2022	50 Yrs	1731942.163	6033568.615	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 431 & 433	11/04/2022	50 Yrs	1731880.708	6033589.621	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 432 & 434	11/04/2022	50 Yrs	1731926.802	6033549.033	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 435 & 437	11/04/2022	50 Yrs	1731853.147	6033562.131	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 436 & 438	11/04/2022	50 Yrs	1731895.241	6033518.058	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 439 & 441	11/04/2022	50 Yrs	1731824.304	6033534.475	1	Public	PE	40mmID	Hynds	LPS
Tapping Band	LOTS 440 & 442	11/04/2022	50 Yrs	1731866.408	6033490.346	1	Public	PE	40mmID	Hynds	LPS

SEWER



PHILIP COOK
WDC IQP#014


 www.coco.co.nz Whangarei Auckland Wellington Christchurch	C		PROJECT DETAILS		TITLE	DATE CREATED	DRAWN	DESIGNED	APPROVED
	B		WFH PROPERTIES LIMITED		SEWER ASSET REGISTER	26/08/2022	K HANSARD	R BROOKES	P COOK
	A	1st ISSUE	THE LANDING - STAGE 6		SHEET 4	CCL REF NO	SCALE	STATUS	
	REV.	REVISION DETAILS	RUAKAKA			14333-006	NTS @ A3	AS BUILTS	
						DWG NUMBER		REVISION	
						AB813		A	

CODE	NAME	DATE INSTALL	EXP LIFE	X CO-ORD (E)	Y CO-ORD (N)	LID LEVEL	PUBLIC / PRIVATE	MATERIAL	SIZE	UNIT TYPE	MFACT	SURFACE	FH STATIC (KPA)	FH RESIDUAL (KPA)	FH FLOW (LPS)
Sluice Valve	SV 60	14/04/2022	50 Yrs	1731800.507	6033533.264	6.996	Public	Cl	100mmID	Sluice Valve	Hawle	Concrete	-	-	-
Sluice Valve	SV 61	14/04/2022	50 Yrs	1731672.286	6033434.967	6.747	Public	Cl	100mmID	Sluice Valve	Hawle	Concrete	-	-	-
Sluice Valve	SV 62	14/04/2022	50 Yrs	1731671.864	6033435.059	6.753	Public	Cl	150mmID	Sluice Valve	Hawle	Concrete	-	-	-
Sluice Valve	SV 63	14/04/2022	50 Yrs	1731672.270	6033434.509	6.768	Public	Cl	150mmID	Sluice Valve	Hawle	Concrete	-	-	-
Peet Valve	PV 30	14/04/2022	50 Yrs	1731800.620	6033533.694	7.009	Public	Cl	50mmID	Peet Valve	Hawle	Concrete	-	-	-
Peet Valve	PV 31	14/04/2022	50 Yrs	1731868.491	6033471.424	6.266	Public	Cl	50mmID	Peet Valve	Hawle	Concrete	-	-	-
Peet Valve	PV 32	14/04/2022	50 Yrs	1731949.487	6033550.948	6.347	Public	Cl	50mmID	Peet Valve	Hawle	Concrete	-	-	-
Peet Valve	PV 33	14/04/2022	50 Yrs	1731739.633	6033364.641	6.113	Public	Cl	50mmID	Peet Valve	Hawle	Concrete	-	-	-
Fire Hydrant	FH 6/1	14/04/2022	50 Yrs	1731818.269	6033530.825	7.031	Public	Cl	n/a	Fire Hydrant	Gillies Hydrants	Concrete	340kpa	150kpa	22.1
Fire Hydrant	FH 6/2	14/04/2022	50 Yrs	1731925.031	6033525.328	6.553	Public	Cl	n/a	Fire Hydrant	Gillies Hydrants	Concrete	340kpa	260kpa	27.1
Fire Hydrant	FH 6/3	14/04/2022	50 Yrs	1731731.083	6033374.870	6.103	Public	Cl	n/a	Fire Hydrant	Gillies Hydrants	Concrete	340kpa	260kpa	23.4
MultiBox	JOAL 708	14/04/2022	50 Yrs	1731949.619	6033550.843	6.422	Public	Cl	n/a	MultiBox	Hynds	Concrete	-	-	-
MultiBox	JOAL 710	14/04/2022	50 Yrs	1731739.774	6033364.517	6.121	Public	Cl	n/a	MultiBox	Hynds	Concrete	-	-	-
End Cap	EC 20	14/04/2022	50 Yrs	1731658.857	6033450.127	5.918	Public	Cl	150mmID	End Cap	Hynds	Concrete	-	-	-

CODE	NAME	DATE INSTALL	EXP LIFE	START CO-ORD mE	START CO-ORD mN	MATERIAL	SIZE	END CO-ORD (mE)	END CO-ORD (mN)	LENGTH	SERVICE
Pipes	W01	7/04/2022	50 Yrs	1731959.262	6033565.414	PE80	150mmID	1731658.857	6033450.126	407.65m	Water
Pipes	W02	7/04/2022	50 Yrs	1731672.073	6033434.792	PE80	100mmID	1731898.732	6033614.582	313.71m	Water
Pipes	W03	7/04/2022	50 Yrs	1731800.334	6033533.444	PE80	50mmID	1731886.545	6033622.239	123.96m	Water
Pipes	W04	7/04/2022	50 Yrs	1731868.821	6033471.018	PE80	50mmID	1731946.937	6033572.419	140.51m	Water


POTABLE WATER



PHILIP COOK
WDC IQP#014

 www.coco.co.nz Whangarei Auckland Wellington Christchurch	C		PROJECT DETAILS WFH PROPERTIES LIMITED THE LANDING - STAGE 6 ONE TREE POINT RUAKAKA	TITLE POTABLE WATER ASSET REGISTER SHEET 1	DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
	B				CCL REF NO 14333-006	SCALE NTS @ A3	STATUS AS BUILTS	
	A	1st ISSUE			26-08-22 KH PC	DWG NUMBER AB820	REVISION A	
	REV.	REVISION DETAILS			DRAWN APP.			

UNIT TYPE	DESCRIPTION	INSTALL DATE	EXP LIFE	mE	mN	LID LEVEL	LENGTH / QUANTITY	PRIVATE / PUBLIC	MATERIAL	SIZE	UNIT TYPE	MFACT	SURFACE
Connection	Lot 320	11/04/2022	50 YRS	1731881.485	6033618.031	7.299	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 321	11/04/2022	50 YRS	1731869.419	6033602.848	7.282	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 322	11/04/2022	50 YRS	1731852.809	6033585.841	7.239	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 323	11/04/2022	50 YRS	1731837.585	6033571.362	7.197	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 324	11/04/2022	50 YRS	1731822.450	6033556.921	7.092	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 325	11/04/2022	50 YRS	1731806.796	6033541.703	7.054	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 326	11/04/2022	50 YRS	1731792.896	6033528.413	7.017	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 327	11/04/2022	50 YRS	1731777.305	6033513.788	6.949	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 328	11/04/2022	50 YRS	1731763.484	6033500.412	6.889	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 329	11/04/2022	50 YRS	1731748.289	6033485.856	6.811	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 330	11/04/2022	50 YRS	1731734.161	6033472.473	6.760	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 331	11/04/2022	50 YRS	1731720.197	6033458.919	6.721	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 332	11/04/2022	50 YRS	1731703.782	6033445.553	6.584	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 344	11/04/2022	50 YRS	1731663.041	6033443.424	6.875	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 345	11/04/2022	50 YRS	1731674.141	6033429.153	6.776	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 348	11/04/2022	50 YRS	1731689.137	6033406.818	6.713	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 349	11/04/2022	50 YRS	1731706.735	6033397.939	6.440	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 352	11/04/2022	50 YRS	1731719.630	6033384.752	6.238	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 353	11/04/2022	50 YRS	1731734.152	6033369.927	6.086	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 356	11/04/2022	50 YRS	1731747.801	6033354.792	6.430	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 357	11/04/2022	50 YRS	1731759.245	6033343.312	6.775	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 362	11/04/2022	50 YRS	1731771.082	6033332.043	6.990	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 363	11/04/2022	50 YRS	1731762.772	6033368.161	5.920	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 364	11/04/2022	50 YRS	1731776.528	6033380.695	5.866	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 365	11/04/2022	50 YRS	1731789.077	6033392.764	5.906	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 366	11/04/2022	50 YRS	1731803.930	6033407.028	5.957	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 367	11/04/2022	50 YRS	1731817.525	6033419.885	6.036	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 368	11/04/2022	50 YRS	1731833.273	6033435.024	6.138	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 369	11/04/2022	50 YRS	1731848.169	6033449.200	6.214	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 370	11/04/2022	50 YRS	1731866.142	6033466.451	6.296	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 371	11/04/2022	50 YRS	1731882.231	6033481.864	6.375	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 372	11/04/2022	50 YRS	1731899.491	6033498.412	6.512	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 373	11/04/2022	50 YRS	1731913.653	6033511.799	6.604	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 374	11/04/2022	50 YRS	1731927.253	6033525.009	6.616	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 375	11/04/2022	50 YRS	1731972.600	6033515.834	7.232	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 376	11/04/2022	50 YRS	1731940.112	6033538.366	6.583	1	Private	PE80	20mmID	Water Connection	Hynds	Grass


POTABLE WATER



PHILIP COOK
WDC IQP#014

 www.coco.co.nz Whangarei Auckland Wellington Christchurch	C		PROJECT DETAILS		TITLE	DATE CREATED	DRAWN	DESIGNED	APPROVED
	B		WFH PROPERTIES LIMITED		POTABLE WATER ASSET REGISTER	26/08/2022	K HANSARD	R BROOKES	P COOK
	A	1st ISSUE	THE LANDING - STAGE 6		SHEET 2	CCL REF NO	SCALE	STATUS	
	REV.	REVISION DETAILS	RUAKAKA			14333-006	NTS @ A3	AS BUILTS	
						DWG NUMBER		REVISION	
						AB821		A	


UNIT TYPE	DESCRIPTION	INSTALL DATE	EXP LIFE	mE	mN	LID LEVEL	LENGTH / QUANTITY	PRIVATE / PUBLIC	MATERIAL	SIZE	UNIT TYPE	MFACT	SURFACE
Connection	Lot 377	11/04/2022	50 YRS	1731955.190	6033557.312	6.294	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 378	11/04/2022	50 YRS	1731976.637	6033521.486	7.191	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 379	11/04/2022	50 YRS	1731979.540	6033509.044	7.216	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 429	11/04/2022	50 YRS	1731898.541	6033611.716	7.255	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 430	11/04/2022	50 YRS	1731944.985	6033572.792	6.251	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 431	11/04/2022	50 YRS	1731887.222	6033596.664	7.355	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 432	11/04/2022	50 YRS	1731935.608	6033559.645	6.483	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 433	11/04/2022	50 YRS	1731874.853	6033582.688	7.276	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 434	11/04/2022	50 YRS	1731917.555	6033540.143	6.620	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 435	11/04/2022	50 YRS	1731860.987	6033569.422	7.222	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 436	11/04/2022	50 YRS	1731902.225	6033525.129	6.608	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 437	11/04/2022	50 YRS	1731845.611	6033554.913	7.173	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 438	11/04/2022	50 YRS	1731887.433	6033511.05	6.482	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 439	11/04/2022	50 YRS	1731832.005	6033542.062	7.116	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 440	11/04/2022	50 YRS	1731873.52	6033497.534	6.424	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 441	11/04/2022	50 YRS	1731818.215	6033528.756	7.077	1	Private	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 442	11/04/2022	50 YRS	1731859.852	6033484.431	6.287	1	Private	PE80	20mmID	Water Connection	Hynds	Grass

POTABLE WATER


PHILIP COOK
WDC IQP#014

 www.coco.co.nz Whangarei Auckland Wellington Christchurch	C		PROJECT DETAILS		TITLE	DATE CREATED	DRAWN	DESIGNED	APPROVED
	B		WFH PROPERTIES LIMITED THE LANDING - STAGE 6 ONE TREE POINT RUAKAKA	POTABLE WATER ASSET REGISTER SHEET 3	26/08/2022	K HANSARD	R BROOKES	P COOK	
	A	1st ISSUE			26-08-22	CCL REF NO	SCALE	STATUS	
	REV.	REVISION DETAILS			DRAWN APP.	14333-006	NTS @ A3	AS BUILTS	
						DWG NUMBER		REVISION	
						AB822		A	

CODE	NAME	DATE INSTALL	EXP LIFE	mE	mN	QUANTITY	PUBLIC/PRIVATE	MATERIAL	SIZE	MFACT	SERVICE
Tapping Band	Lot 320	11/04/2022	50 Yrs	1731882.602	6033617.164	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 321	11/04/2022	50 Yrs	1731870.304	6033602.007	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 322	11/04/2022	50 Yrs	1731853.887	6033584.712	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 323	11/04/2022	50 Yrs	1731838.688	6033570.192	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 324	11/04/2022	50 Yrs	1731823.469	6033555.841	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 325	11/04/2022	50 Yrs	1731807.650	6033540.763	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 326	11/04/2022	50 Yrs	1731793.880	6033527.360	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 327	11/04/2022	50 Yrs	1731778.394	6033512.658	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 328	11/04/2022	50 Yrs	1731764.550	6033499.318	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 329	11/04/2022	50 Yrs	1731749.394	6033484.695	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 330	11/04/2022	50 Yrs	1731735.299	6033471.282	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 331	11/04/2022	50 Yrs	1731721.208	6033457.817	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 332	11/04/2022	50 Yrs	1731704.645	6033444.200	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 344	11/04/2022	50 Yrs	1731663.957	6033444.332	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 345	11/04/2022	50 Yrs	1731675.048	6033429.857	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 348	11/04/2022	50 Yrs	1731690.795	6033409.551	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 349	11/04/2022	50 Yrs	1731707.859	6033399.053	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 352	11/04/2022	50 Yrs	1731720.839	6033385.950	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 353	11/04/2022	50 Yrs	1731735.444	6033371.206	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 363	11/04/2022	50 Yrs	1731762.017	6033369.310	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 364	11/04/2022	50 Yrs	1731775.583	6033381.686	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 365	11/04/2022	50 Yrs	1731788.182	6033393.703	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 366	11/04/2022	50 Yrs	1731803.074	6033407.920	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 367	11/04/2022	50 Yrs	1731816.563	6033420.888	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 368	11/04/2022	50 Yrs	1731832.327	6033436.010	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 369	11/04/2022	50 Yrs	1731847.085	6033450.325	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 370	11/04/2022	50 Yrs	1731865.143	6033467.486	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 371	11/04/2022	50 Yrs	1731881.192	6033482.941	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 372	11/04/2022	50 Yrs	1731898.406	6033499.537	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 373	11/04/2022	50 Yrs	1731912.535	6033512.951	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 374	11/04/2022	50 Yrs	1731926.099	6033526.236	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 376	11/04/2022	50 Yrs	1731938.842	6033539.509	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 377	11/04/2022	50 Yrs	1731954.042	6033558.135	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 429	11/04/2022	50 Yrs	1731897.261	6033612.737	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 430	11/04/2022	50 Yrs	1731946.101	6033571.940	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 431	11/04/2022	50 Yrs	1731885.708	6033597.998	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 432	11/04/2022	50 Yrs	1731936.307	6033559.125	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 433	11/04/2022	50 Yrs	1731873.505	6033583.932	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 434	11/04/2022	50 Yrs	1731918.558	6033539.084	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 435	11/04/2022	50 Yrs	1731859.979	6033570.465	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 436	11/04/2022	50 Yrs	1731903.218	6033524.062	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 437	11/04/2022	50 Yrs	1731844.650	6033555.896	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 438	11/04/2022	50 Yrs	1731888.454	6033509.995	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 439	11/04/2022	50 Yrs	1731831.071	6033543.078	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 440	11/04/2022	50 Yrs	1731874.517	6033496.504	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 441	11/04/2022	50 Yrs	1731817.182	6033529.780	1	Public	PE80	20mmID	Hynds	LPS
Tapping Band	Lot 442	11/04/2022	50 Yrs	1731860.880	6033483.350	1	Public	PE80	20mmID	Hynds	LPS


PHILIP COOK
WDC IQP#014



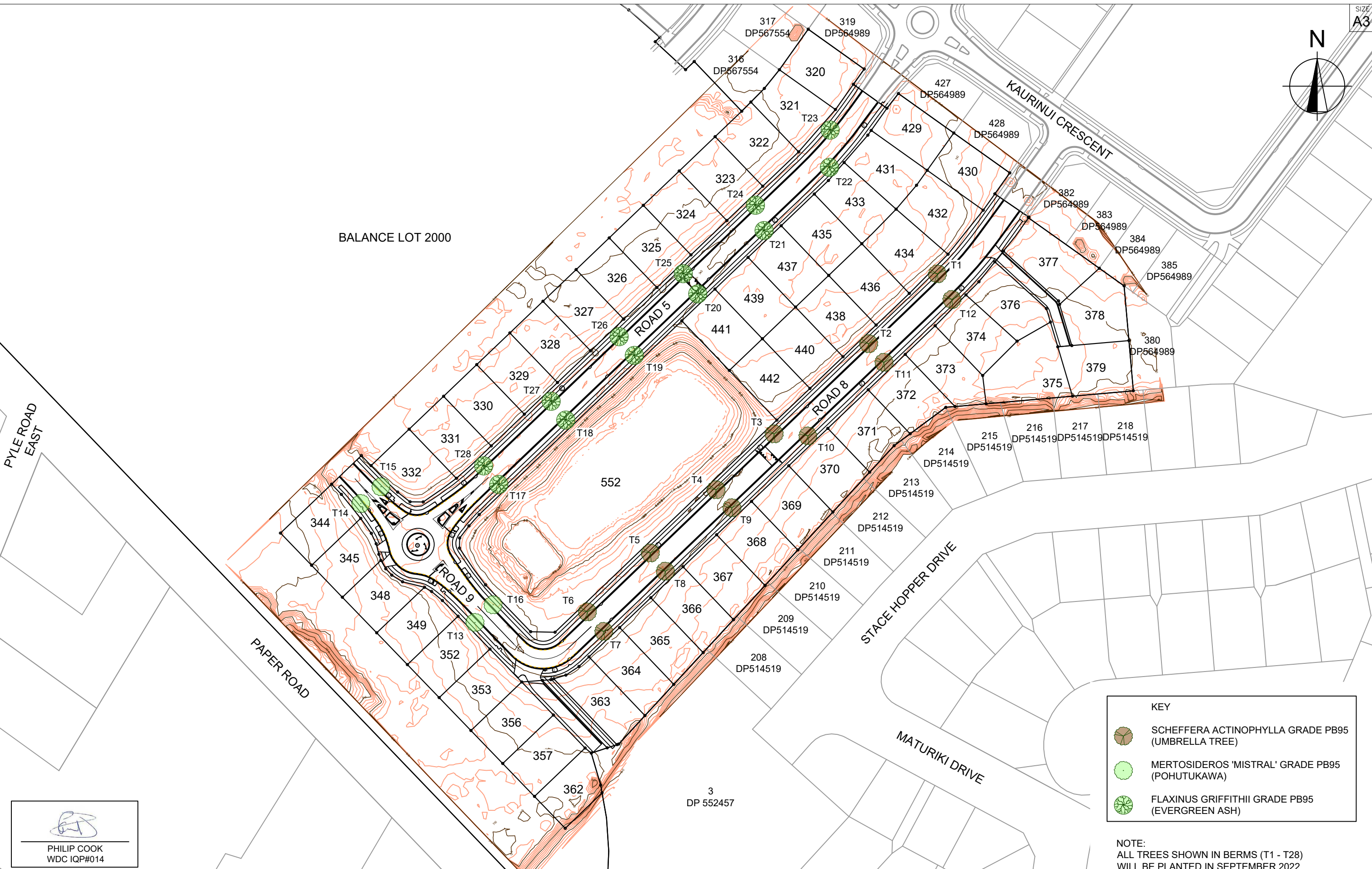
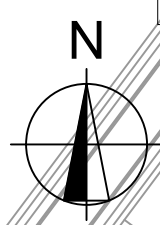
cook | costello
www.coco.co.nz
Whangarei | Auckland | Wellington | Christchurch

C			
B			
A	1st ISSUE	26-08-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
POTABLE WATER ASSET REGISTER
SHEET 4

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE NTS @ A3	STATUS AS BUILTS	
DWG NUMBER AB823	REVISION A		



BALANCE LOT 2000

PYLE ROAD EAST

PAPER ROAD

ROAD 5

ROAD 8

ROAD 9

STAGE HOPPER DRIVE

MATURIKI DRIVE

KAURINUI CRESCENT

KEY	
	SCHEFFERA ACTINOPHYLLA GRADE PB95 (UMBRELLA TREE)
	MERTOSIDEROS 'MISTRAL' GRADE PB95 (POHUTUKAWA)
	FLAXINUS GRIFFITHII GRADE PB95 (EVERGREEN ASH)

NOTE:
ALL TREES SHOWN IN BERMS (T1 - T28)
WILL BE PLANTED IN SEPTEMBER 2022

SCALE 1:1500
0 20 40 60

PHILIP COOK
WDC IQP#014



REV.	REVISION DETAILS	DATE	DRAWN	APP.
C				
B				
A	1st ISSUE	26-08-22	KH	PC

PROJECT DETAILS
WFH PROPERTIES LIMITED
THE LANDING - STAGE 6
ONE TREE POINT
RUAKAKA

TITLE
LANDSCAPING - TREES

DATE CREATED 26/08/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-006	SCALE 1:2000 @ A3	STATUS AS BUILTS	
DWG NUMBER AB900		REVISION A	

SCALE 1:1500
0 20 40 60