



- NOTES:
- LEVELS ARE IN TERMS OF NEW ZEALAND VERTICAL DATUM 2016
ORIGIN OF LEVELS
AP 15 DP 358434 (EV0A)
RL 13.30m
 - COORDINATES ARE IN TERMS NZ GEODETIC DATUM 2000
MT EDEN CIRCUIT
ORIGIN OF COORDINATES
AP 15 DP 358434 (EV0A)
788491.62 mN 402375.39 mE
 - CONTOURS ARE AT 0.20m INTERVALS. CONTOURS SHOWN ON THIS PLAN HAVE BEEN ELECTRONICALLY COMPUTED FROM SPOT HEIGHT DETERMINATIONS AND MAY NOT REPRESENT THE TRUE GROUND LEVELS. ANY CRITICAL HEIGHTS SHOULD BE CHECKED ON SITE PRIOR TO DESIGN AND CONSTRUCTION COMMENCING. CONTOURS SHOWN UNDER ANY BUILDING FOOTPRINT HAVE BEEN INTERPOLATED AND MAY NOT REFLECT THE TRUE GROUND SURFACE IN THESE AREAS.
 - THIS PLAN HAS BEEN CARRIED OUT TO TOPOGRAPHICAL STANDARDS OF +/-30MM ON HARD STAND AND +/-50MM ON SOFT SURFACES. ALL LEVELS SHOWN ARE CORRECT AT TIME OF SURVEY. CRITICAL DIMENSIONS AND LEVELS SHOULD BE VERIFIED.
 - BOUNDARIES SHOWN ON THIS PLAN HAVE BEEN ADOPTED FROM UNDERLYING SURVEY PLANS AND HAVE NOT BEEN SURVEYED. A BOUNDARY DEFINITION SURVEY SHOULD BE CARRIED OUT TO ESTABLISH EXACT BOUNDARY POSITIONS ON SITE & REMOVAL OF LIMITED AS TO PARCELS WILL BE REQUIRED PRIOR TO DESIGN OR CONSTRUCTION.
 - ALL EASEMENTS, COVENANTS AND OTHER LEGAL INSTRUMENTS ASSOCIATED WITH THIS SITE MAY NOT BE SHOWN ON THIS PLAN. AN INVESTIGATION OF THE MOST CURRENT LEGAL RECORDS SHOULD BE UNDERTAKEN PRIOR TO DESIGN AND CONSTRUCTION COMMENCING.
 - SERVICES POSITIONS AND ALIGNMENT MAY HAVE BEEN OBTAINED FROM THIRD PARTY RECORDS AND SHOULD BE VERIFIED ON SITE PRIOR TO CONSTRUCTION COMMENCING. ENVELOPE SURVEYING DOES NOT IN ANY WAY GUARANTEE THE ACCURACY OF ANY UNDERGROUND SERVICE SHOWN ON THIS PLAN.
 - THIS PLAN MAY NOT PROVIDE ENOUGH INFORMATION FOR HEIGHT TO BOUNDARY CALCULATIONS. WHERE HEIGHTS INTERPOLATED FROM THIS SURVEY ARE CRITICAL TO COUNCIL REQUIREMENTS, SUCH AS BUILDING RECEPTION PLANES, SPECIFIC LOCATIONS AND LEVELS SHOULD BE CONFIRMED BY SPECIFIC GROUND SURVEY.
 - THESE NOTES ARE AN INTEGRAL PART OF THIS PLAN.
 - THIS PLAN IS ISSUED FOR A SPECIFIC PROJECT AND MAY NOT BE ALTERED OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF ENVELOPE SURVEYING.
 - 3 VERISSIMO DRIVE WAS SURVEYED IN SEPTEMBER 2022 & NO FURTHER FEATURES HAVE BEEN MEASURED ON THIS SITE. REFER TO DWG 1636-01-050 FOR DETAILS.
 - THE AERIAL PHOTOGRAPH WAS SOURCED FROM GRIPMAP & DOES NOT REPRESENT THE CURRENT LAND USE IN SOME AREAS. AN UPDATED AERIAL SURVEY WOULD BE REQUIRED TO SHOW THIS.
 - LEGAL DESCRIPTION
PART ALLOTMENT 74 PARISH OF MANUREWA & LOT 2 DP 486333
COMPRISED IN RTs NA570/201(LTD AS TO PARCELS) & 693556
AREA 6.1005 Ha

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

REVISIONS:			
REV	NOTES	BY	DATE
A	FOR INFORMATION	AP	06-06-2024

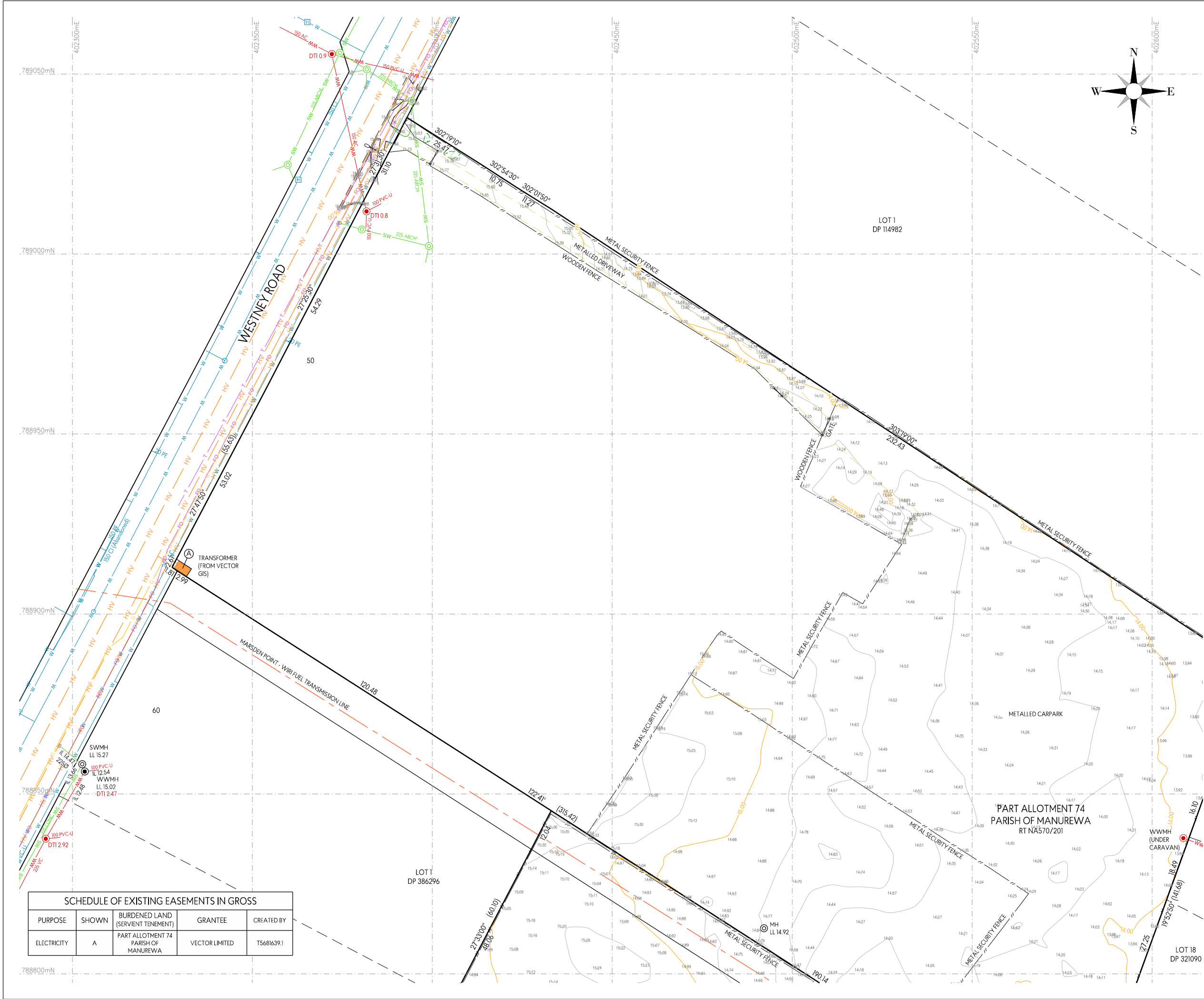
PROJECT:
ROKOKOHU INVESTMENTS LTD
50 WESTNEY ROAD
MANGERE

TITLE:

SITE SURVEY
OVERALL PLAN



SURVEYED: SRM	DRAWN: MJP	REVISION:
CHECKED: AP	PLOT DATE: 06-06-2024	
SCALE A1: 1:1000	SCALE A3: 1:2000	A
STATUS: FOR INFORMATION		
PROJECT No: 1636-02	DRAWING No: 060	



LEGEND

W

GIS WATER MAIN

WW

GIS SEWER MAIN

SW

GIS STORMWATER MAIN

HV

GIS HV POWER CABLE

LV

GIS LV POWER CABLE

G

GIS GAS PIPE

FO

GIS FIBRE OPTIC CABLE

T

GIS TELECOM CABLE

GIS LIQUID FUEL TRANSMISSION PIPE

EDGE OF SEAL

CHANNEL

FENCE

TOP OF KERB

EDGE OF CONCRETE

WALL BOTTOM

WALL TOP

BUILDING OUTLINE

CONTOUR MAJOR

CONTOUR MINOR

BOTTOM OF BANK

TOP OF BANK

GATE

DRIPLINE

CATCHPIT

POWER POLE

POWER TRANSFORMER

WATER VALVE

FIRE HYDRANT

TREE

MANHOLE - SURVEYED

SITE BENCHMARK

STREET LIGHT

TREE TRUNK

NOTES:

SEE DRAWING 1636-02-060 FOR NOTES

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

REVISIONS:

REV	NOTES	BY	DATE
A	FOR INFORMATION	AP	06-06-2024

PROJECT:

ROTIKOHU INVESTMENTS LTD
50 WESTNEY ROAD
MANGERE

TITLE:

SITE SURVEY
SHEET 1 OF 3

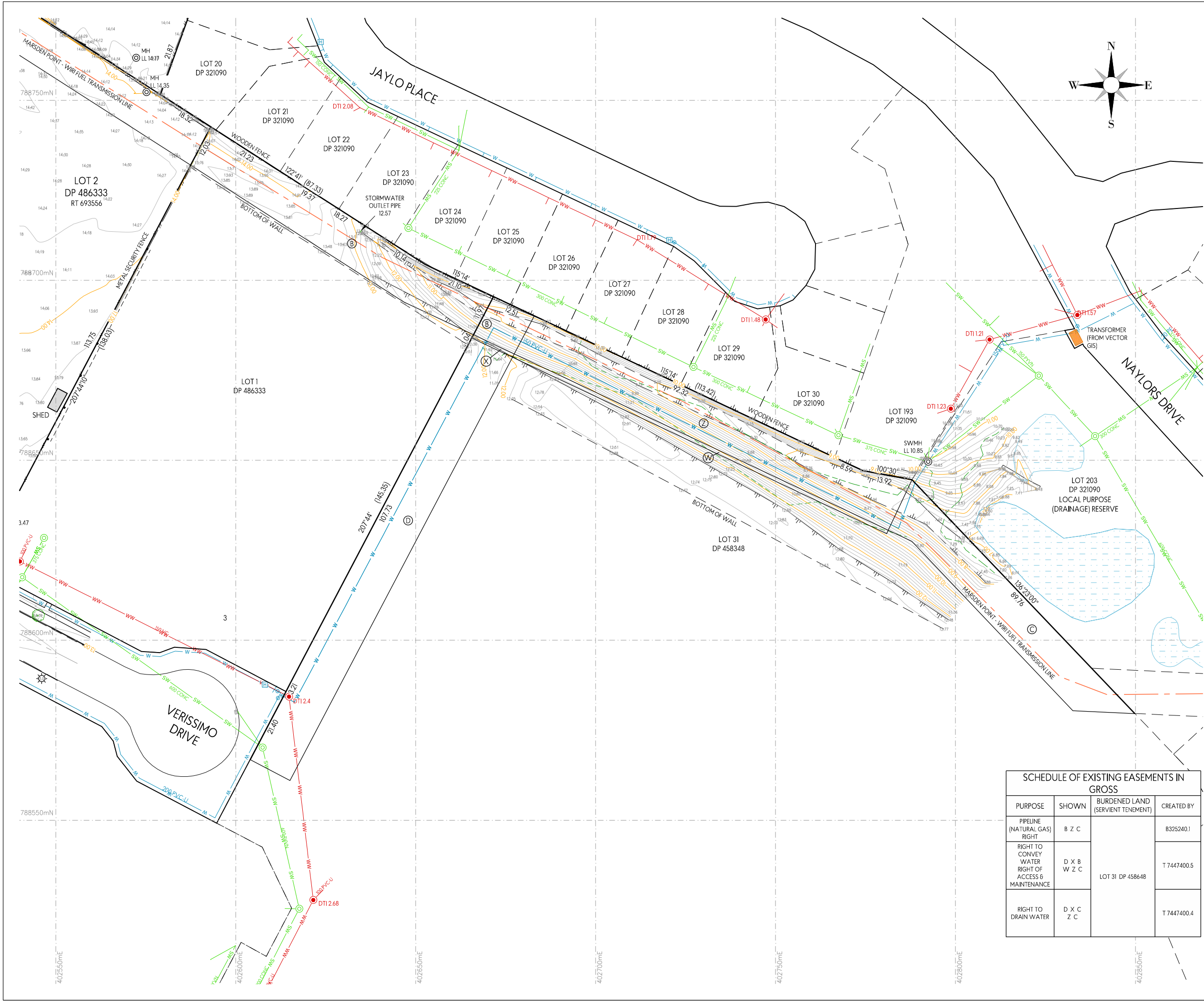
ENVELOPE

WWW.ENVELOPE-ENG.CO.NZ

SURVEYED: SRM
CHECKED: AP
SCALE A1: 1:500
STATUS: FOR INFORMATION
PROJECT No:
1636-02

DRAWN: MJP
PLOT DATE: 06-06-2024
SCALE A3: 1:1000
DRAWING No:
061

REVISION:
A



LEGEND

W

GIS WATER MAIN

WW

GIS SEWER MAIN

SW

GIS STORMWATER MAIN

HV

GIS HV POWER CABLE

LV

GIS LV POWER CABLE

G

GIS GAS PIPE

FO

GIS FIBRE OPTIC CABLE

T

GIS TELECOM CABLE

GIS LIQUID FUEL TRANSMISSION PIPE

EDGE OF SEAL

CHANNEL

FENCE

TOP OF KERB

EDGE OF CONCRETE

WALL BOTTOM

WALL TOP

BUILDING OUTLINE

CONTOUR MAJOR

CONTOUR MINOR

BOTTOM OF BANK

TOP OF BANK

GATE

DIPLINE

CATCHPIT

POWER POLE

POWER TRANSFORMER

WATER VALVE

FIRE HYDRANT

TREE

MANHOLE - SURVEYED

SITE BENCHMARK

STREET LIGHT

TREE TRUNK

NOTES:
SEE DRAWING 1636-02-060 FOR NOTES

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

REVISIONS:			
REV	NOTES	BY	DATE
A	FOR INFORMATION	AP	06-06-2024

PROJECT:
ROKOKOHU INVESTMENTS LTD
50 WESTNEY ROAD
MANGERE

TITLE:

SITE SURVEY
SHEET 3 OF 3



SURVEYED: SRM	DRAWN: MJP	REVISION:
CHECKED: AP	PLOT DATE: 06-06-2024	
SCALE A1: 1:500	SCALE A3: 1:1000	
STATUS: FOR INFORMATION		
PROJECT No: 1636-02	DRAWING No: 063	

SCHEDULE OF EXISTING EASEMENTS IN GROSS			
PURPOSE	SHOWN	BURDENED LAND (SERVIENT TENEMENT)	CREATED BY
PIPELINE (NATURAL GAS) RIGHT	B Z C	LOT 31 DP 458648	B325240.1
RIGHT TO CONVEY WATER RIGHT OF ACCESS & MAINTENANCE	D X B W Z C		T 7447400.5
RIGHT TO DRAIN WATER	D X C Z C		T 7447400.4

CLIENT:

ROKOKOHU INVESTMENTS LTD

PROJECT:

50 WESTNEY ROAD

MANGERE

PLAN SET:

CIVIL DRAWINGS

ISSUE:

FOR CONSENT

DATE:

18 DECEMBER 2024

REFERENCE:

1636-02

DRAWING INDEX		
DRAWING	REVISION	TITLE
1636-02-200	RC1	EXISTING CONTOURS OVERALL PLAN
1636-02-201	RC1	EXISTING CONTOURS - SHEET 1
1636-02-202	RC1	EXISTING CONTOURS - SHEET 2
1636-02-203	RC1	EXISTING CONTOURS - SHEET 3
1636-02-220	RC1	PROPOSED CONTOURS PLAN
1636-02-230	RC1	PROPOSED CUT FILL PLAN
1636-02-400	RC2	PROPOSED DRAINAGE PLAN - OPTIONS 1 -3
1636-02-401	RC2	PROPOSED DRAINAGE PLAN - SHEET 1
1636-02-402	RC2	PROPOSED DRAINAGE PLAN - SHEET 2
1636-02-403	RC2	PROPOSED DRAINAGE PLAN - SHEET 3
1636-02-410	RC1	PROPOSED DRAINAGE PLAN - DETAILED OLFP INLET
1636-02-411	RC1	PROPOSED DRAINAGE PLAN - DETAILED OLFP OUTLET
1636-02-430	RC2	PROPOSED STORMWATER LONGSECTION
1636-02-450	RC2	PROPOSED WASTEWATER LONGSECTION
1636-02-460	RC2	OVERLAND FLOW PATH LONGSECTION
1636-02-461	RC2	OVERLAND FLOW PATH -SECONDARY DIVERSION LONGSECTION
1636-02-462	RC2	OVERLAND FLOW PATH SECTIONS - SHEET 1
1636-02-463	RC2	OVERLAND FLOW PATH SECTIONS - SHEET 2
1636-02-464	RC1	OVERLAND FLOW PATH SECTIONS - SHEET 3
1636-02-470	RC2	EXISTING OLFP CATCHMENT PLAN
1636-02-471	RC1	EXISTING SITE COVERAGE CATCHMENT PLAN
1636-02-472	RC1	POST DEVELOPMENT CATCHMENT PLAN



LOCATION PLAN
SCALE 1:2500





LEGEND:

EXISTING CONTOURS
SHOWN AT 0.5m INTERVALS

NOTES:

- EXISTING CONTOURS ARE FROM SITE SURVEY CARRIED OUT BY ENVELOPE SURVEYING MAY 2024 COMBINED WITH UДАР DEM.
- LEVELS ARE IN TERMS OF NEW ZEALAND VERTICAL DATUM 2016.

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

REVISIONS:			
REV	NOTES	BY	DATE
1	FOR PRIVATE PLAN CHANGE	JDP	29-08-24

PROJECT:
ROKOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:

EXISTING CONTOURS
OVERALL PLAN



DESIGNED: JDP	DRAWN: MJP	REVISION:
CHECKED: ADJ	PLOT DATE: 18-12-24	1636-02
SCALE A1: 1:1000	SCALE A3: 1:2000	200
STATUS: FOR CONSENT	PROJECT No:	RC1
PROJECT No:	DRAWING No:	



LEGEND:

EXISTING CONTOURS
SHOWN AT 0.5m INTERVALS

NOTES:

- EXISTING CONTOURS ARE FROM SITE SURVEY CARRIED OUT BY ENVELOPE SURVEYING MAY 2024 COMBINED WITH LIDAR DEM.
- LEVELS ARE IN TERMS OF NEW ZEALAND VERTICAL DATUM 2016.

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

REVISIONS:		BY	DATE
REV	NOTES		
RC1	FOR PRIVATE PLAN CHANGE	JDP	29-08-24

PROJECT:
ROKOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:

EXISTING CONTOURS
SHEET 1 OF 3



DESIGNED: JDP	DRAWN: MJP	REVISION: RC1
CHECKED: ADJ	PLOT DATE: 18-12-24	
SCALE A1: 1:500	SCALE A3: 1:1000	
STATUS: FOR CONSENT		
PROJECT No: 1636-02	DRAWING No: 201	



LEGEND:

 EXISTING CONTOURS
SHOWN AT 0.5m INTERVALS

NOTES:

- EXISTING CONTOURS ARE FROM SITE SURVEY CARRIED OUT BY ENVELOPE SURVEYING MAY 2024 COMBINED WITH LIDAR DEM.
- LEVELS ARE IN TERMS OF NEW ZEALAND VERTICAL DATUM 2016.

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

REVISIONS:			
REV	NOTES	BY	DATE
RC1	FOR PRIVATE PLAN CHANGE	JDP	29-08-24

PROJECT:
ROKOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:

EXISTING CONTOURS
SHEET 2 OF 3



DESIGNED: JDP	DRAWN: MJP	REVISION: RC1
CHECKED: ADJ	PLOT DATE: 18-12-24	
SCALE A1: 1:500	SCALE A3: 1:1000	
STATUS: FOR CONSENT		
PROJECT No: 1636-02	DRAWING No: 202	



LEGEND:

 EXISTING CONTOURS
SHOWN AT 0.5m INTERVALS

NOTES:

- EXISTING CONTOURS ARE FROM SITE SURVEY CARRIED OUT BY ENVELOPE SURVEYING MAY 2024 COMBINED WITH LIDAR DEM.
- LEVELS ARE IN TERMS OF NEW ZEALAND VERTICAL DATUM 2016.

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

REVISIONS:			
REV	NOTES	BY	DATE
RC1	FOR PRIVATE PLAN CHANGE	JDP	29-08-24

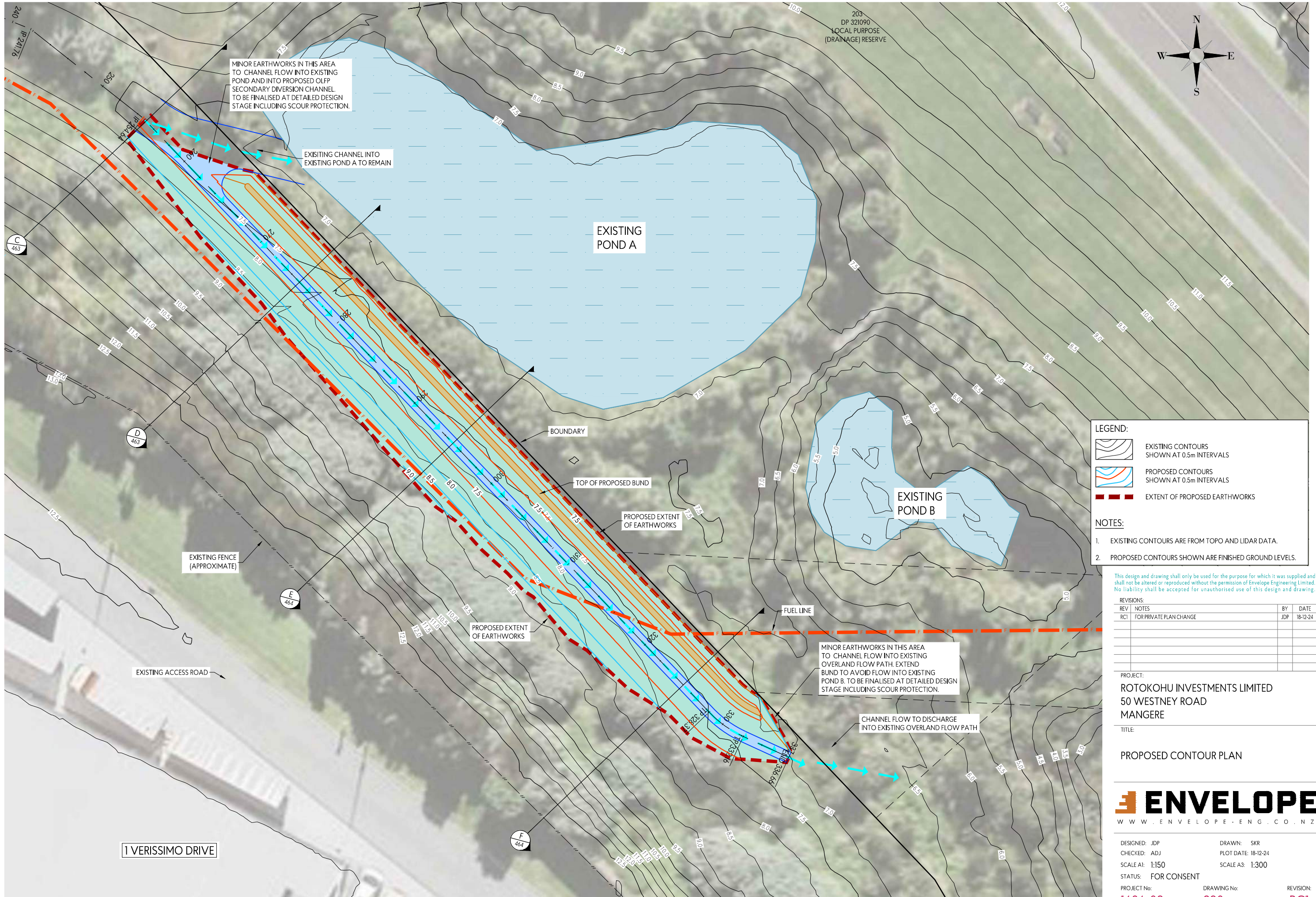
PROJECT:
ROTOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:

EXISTING CONTOURS
SHEET 3 OF 3



DESIGNED: JDP	DRAWN: MJP
CHECKED: ADJ	PLOT DATE: 18-12-24
SCALE A1: 1:500	SCALE A3: 1:1000
STATUS: FOR CONSENT	
PROJECT No: 1636-02	DRAWING No: 203
	REVISION: RC1



LEGEND:

- EXISTING CONTOURS SHOWN AT 0.5m INTERVALS
- PROPOSED CONTOURS SHOWN AT 0.5m INTERVALS
- EXTENT OF PROPOSED EARTHWORKS

NOTES:

- EXISTING CONTOURS ARE FROM TOPO AND LIDAR DATA.
- PROPOSED CONTOURS SHOWN ARE FINISHED GROUND LEVELS.

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

REVISIONS:			
REV	NOTES	BY	DATE
RC1	FOR PRIVATE PLAN CHANGE	JDP	18-12-24

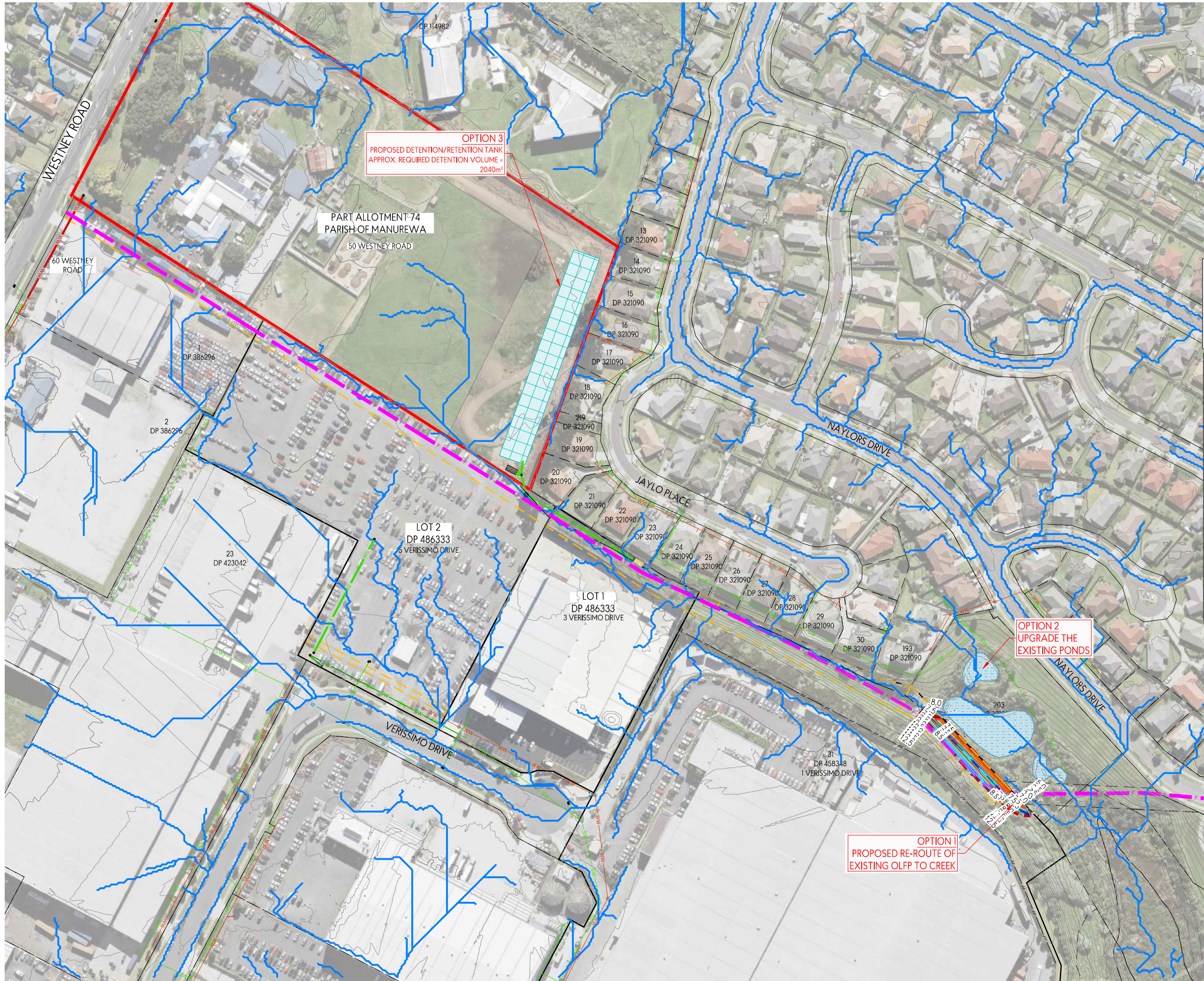
PROJECT:
ROKOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:

PROPOSED CONTOUR PLAN



DESIGNED: JDP	DRAWN: SKR	REVISION:
CHECKED: ADJ	PLOT DATE: 18-12-24	
SCALE A1: 1:150	SCALE A3: 1:300	
STATUS: FOR CONSENT		
PROJECT No: 1636-02	DRAWING No: 220	



- NOTES:**
1. THIS DRAWING HAS BEEN PREPARED WITH OPTIONS FOR DISCUSSION AND TO SELECT THE STORMWATER DISCHARGE LAYOUT.
 2. DETAILED DESIGN TO BE CARRIED OUT ONCE THE LAYOUT HAS BEEN SELECTED.

LEGEND:

- EXISTING CONTOURS SHOWN AT 0.5m INTERVALS
- EXISTING PUBLIC STORMWATER
- PROPOSED PUBLIC STORMWATER
- EXISTING PUBLIC WASTEWATER
- PROPOSED PUBLIC WASTEWATER
- EXISTING OVERLAND FLOW PATH
- EXISTING FUEL TRANSMISSION LINE
- SITE BOUNDARY
- EXISTING EASEMENT BOUNDARY
- PROPOSED OVERLAND FLOW PATH
- PROPOSED TANK

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

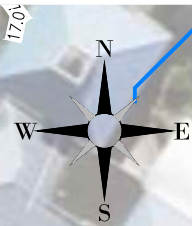
REVISIONS:		BY:	DATE:
REV	NOTES	JDP	29-08-24
RC1	FOR PRIVATE PLAN CHANGE	JDP	12-12-2024
RC2	UPDATED FOR PLAN CHANGE RFI	JDP	

PROJECT:
ROTOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:
PROPOSED
DRAINAGE PLAN
OPTIONS 1 - 3



DESIGNED: JDP	DRAWN: MJP	REVISION: RC2
CHECKED: ADJ	PLOT DATE: 18-12-24	
SCALE A1: 1:1000	SCALE A3: 1:2000	
STATUS: FOR CONSENT		
PROJECT No: 1636-02	DRAWING No: 400	



NOTES:

1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL & WATERCARE STANDARDS UNLESS DETAILED OTHERWISE.
2. ALL WASTEWATER PIPES TO BE PVC-U SN16.
3. ALL STORMWATER MAIN PIPES TO BE RCRRJ CLASS 2 UNLESS NOTED OTHERWISE.
4. ALL CATCHPITS TO BE 675x450mm UNLESS NOTED OTHERWISE. SIZING AND LOCATION TO BE CONFIRMED AT DETAILED DESIGN STAGE.
5. ALL PRIVATE CATCHPIT LEADS TO BE DN300 RCRRJ CLASS 4 UNLESS NOTED OTHERWISE.
6. REFER TO SHEETS 430 & 450 FOR DRAINAGE LONGSECTIONS.
7. REFER TO SHEET 490 FOR STANDARD DRAINAGE DETAILS

LEGEND:

- EXISTING CONTOURS SHOWN AT 0.5m INTERVALS
- EXISTING PUBLIC STORMWATER
- PROPOSED PUBLIC STORMWATER
- EXISTING PUBLIC WASTEWATER
- PROPOSED PUBLIC WASTEWATER
- EXISTING OVERLAND FLOW PATH
- EXISTING FUEL TRANSMISSION LINE
- SITE BOUNDARY
- EXISTING EASEMENT BOUNDARY
- PROPOSED OVERLAND FLOW PATH
- PROPOSED TANK

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

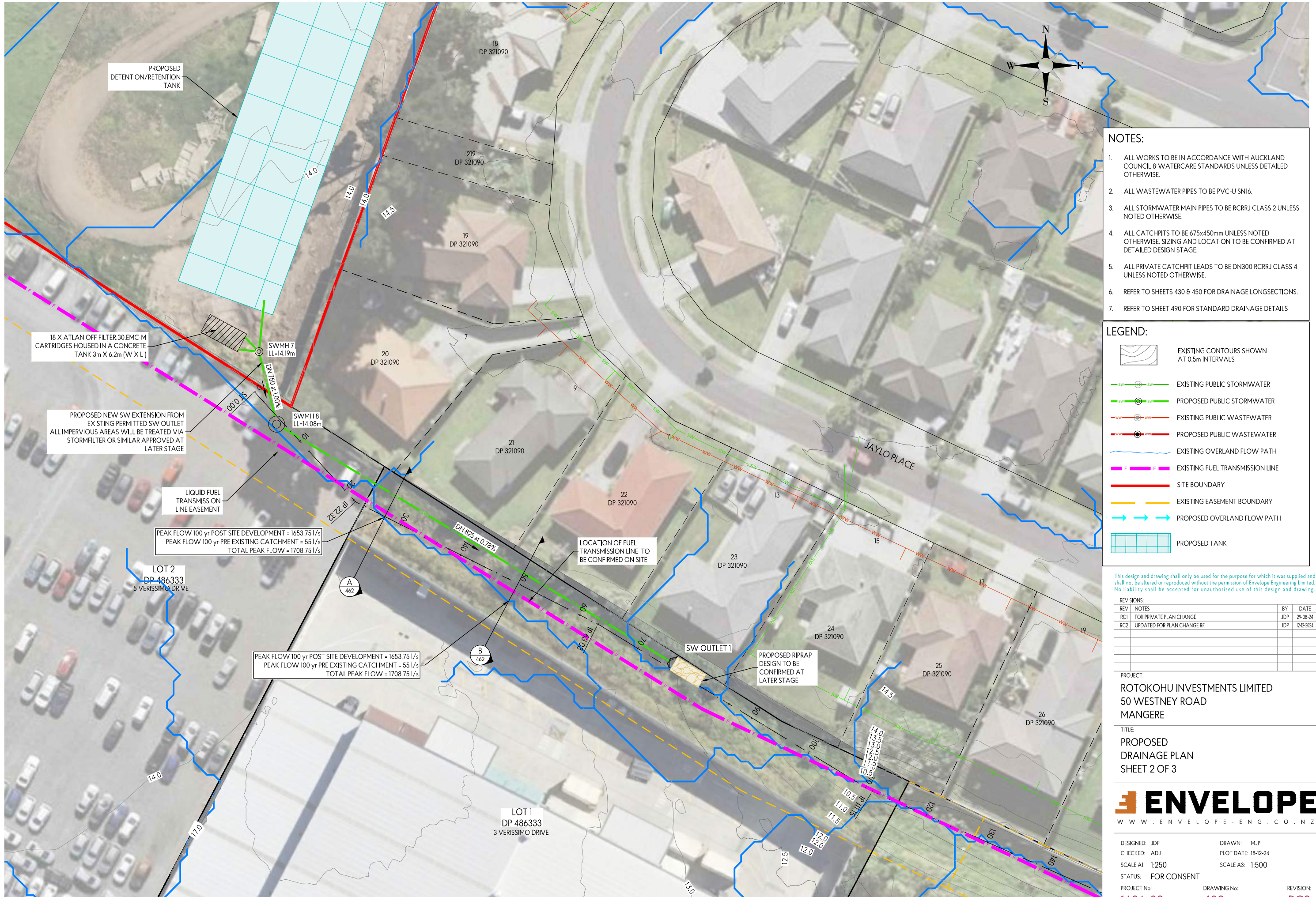
REVISIONS:		BY	DATE
REV	NOTES		
RC1	FOR PRIVATE PLAN CHANGE	JDP	29-08-24
RC2	UPDATED FOR PLAN CHANGE RFI	JDP	12-12-2024

PROJECT:
ROKOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:
PROPOSED
DRAINAGE PLAN
SHEET 1 OF 3



DESIGNED: JDP	DRAWN: MJP	REVISION:
CHECKED: ADJ	PLOT DATE: 18-12-24	1636-02
SCALE A1: 1:250	SCALE A3: 1:500	401
STATUS: FOR CONSENT	PROJECT No:	RC2
PROJECT No:	DRAWING No:	



- NOTES:**
- ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL & WATERCARE STANDARDS UNLESS DETAILED OTHERWISE.
 - ALL WASTEWATER PIPES TO BE PVC-U SNI6.
 - ALL STORMWATER MAIN PIPES TO BE RCRRJ CLASS 2 UNLESS NOTED OTHERWISE.
 - ALL CATCHPITS TO BE 675x450mm UNLESS NOTED OTHERWISE. SIZING AND LOCATION TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - ALL PRIVATE CATCHPIT LEADS TO BE DN300 RCRRJ CLASS 4 UNLESS NOTED OTHERWISE.
 - REFER TO SHEETS 430 & 450 FOR DRAINAGE LONGSECTIONS.
 - REFER TO SHEET 490 FOR STANDARD DRAINAGE DETAILS

- LEGEND:**
- EXISTING CONTOURS SHOWN AT 0.5m INTERVALS
 - EXISTING PUBLIC STORMWATER
 - PROPOSED PUBLIC STORMWATER
 - EXISTING PUBLIC WASTEWATER
 - PROPOSED PUBLIC WASTEWATER
 - EXISTING OVERLAND FLOW PATH
 - EXISTING FUEL TRANSMISSION LINE
 - SITE BOUNDARY
 - EXISTING EASEMENT BOUNDARY
 - PROPOSED OVERLAND FLOW PATH
 - PROPOSED TANK

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

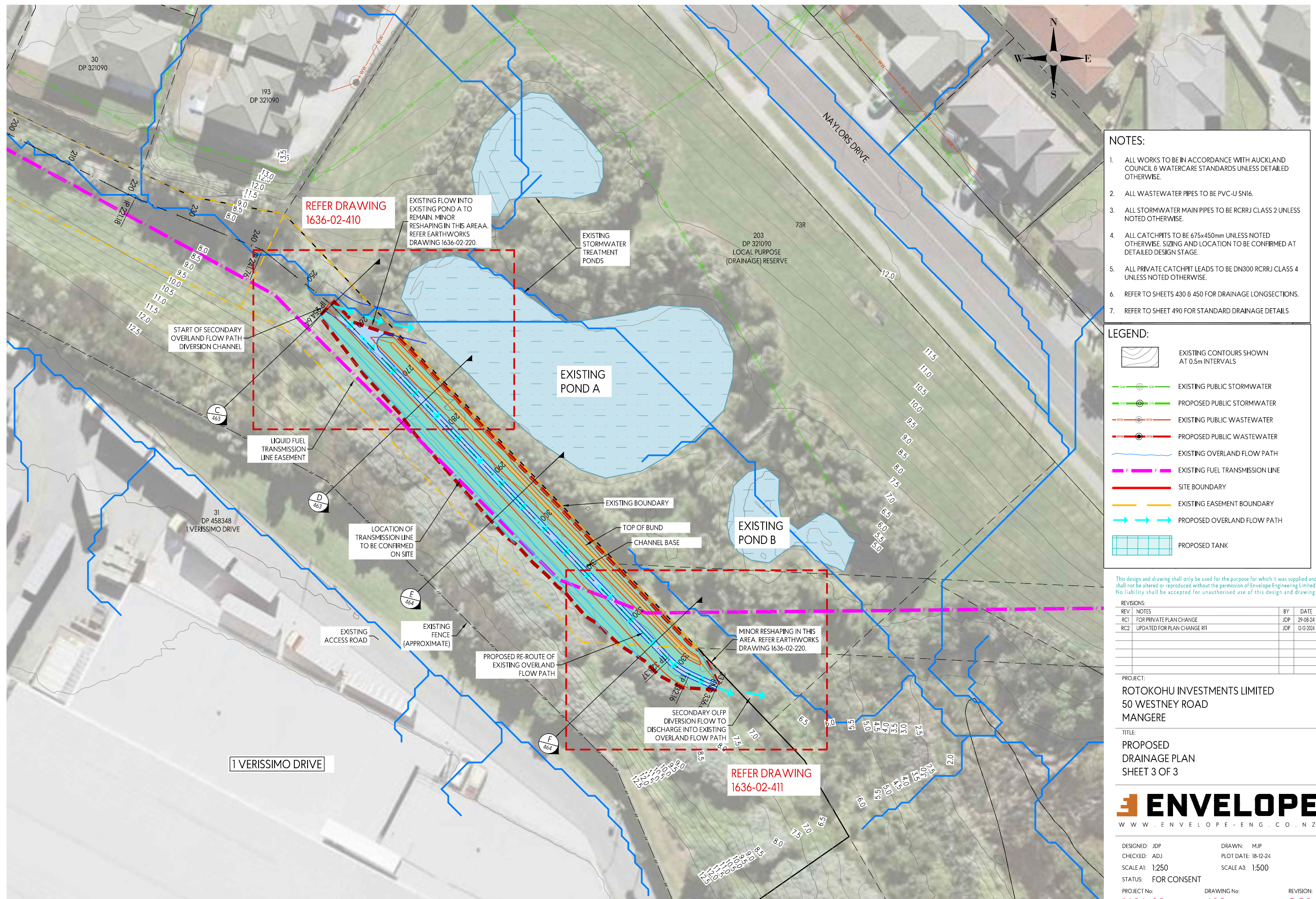
REVISIONS:		BY:	DATE:
REV	NOTES	JDP	29-08-24
RC1	FOR PRIVATE PLAN CHANGE	JDP	12-12-2024
RC2	UPDATED FOR PLAN CHANGE RFI	JDP	

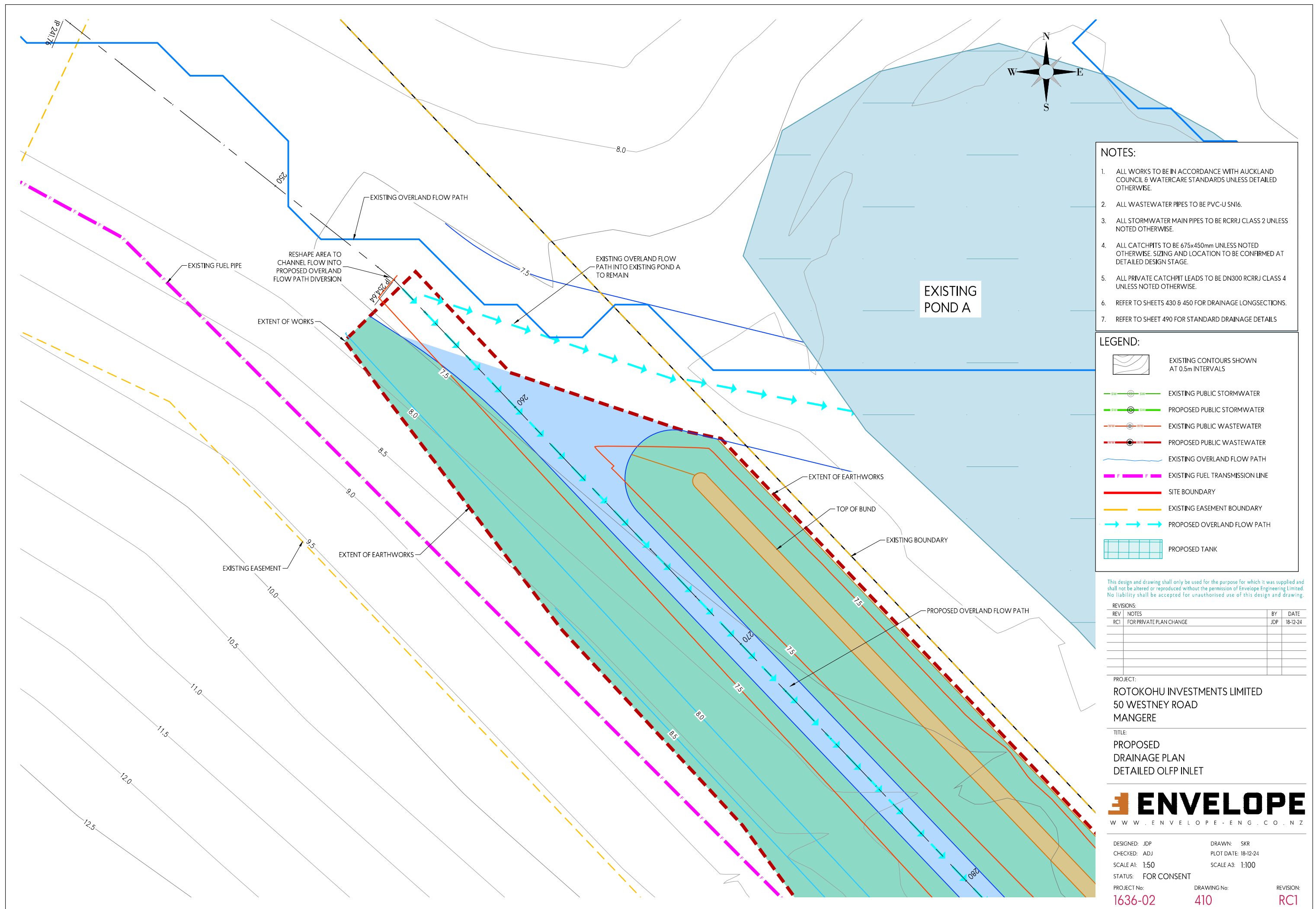
PROJECT:
ROTOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

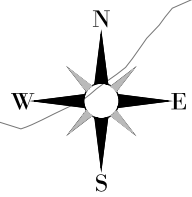
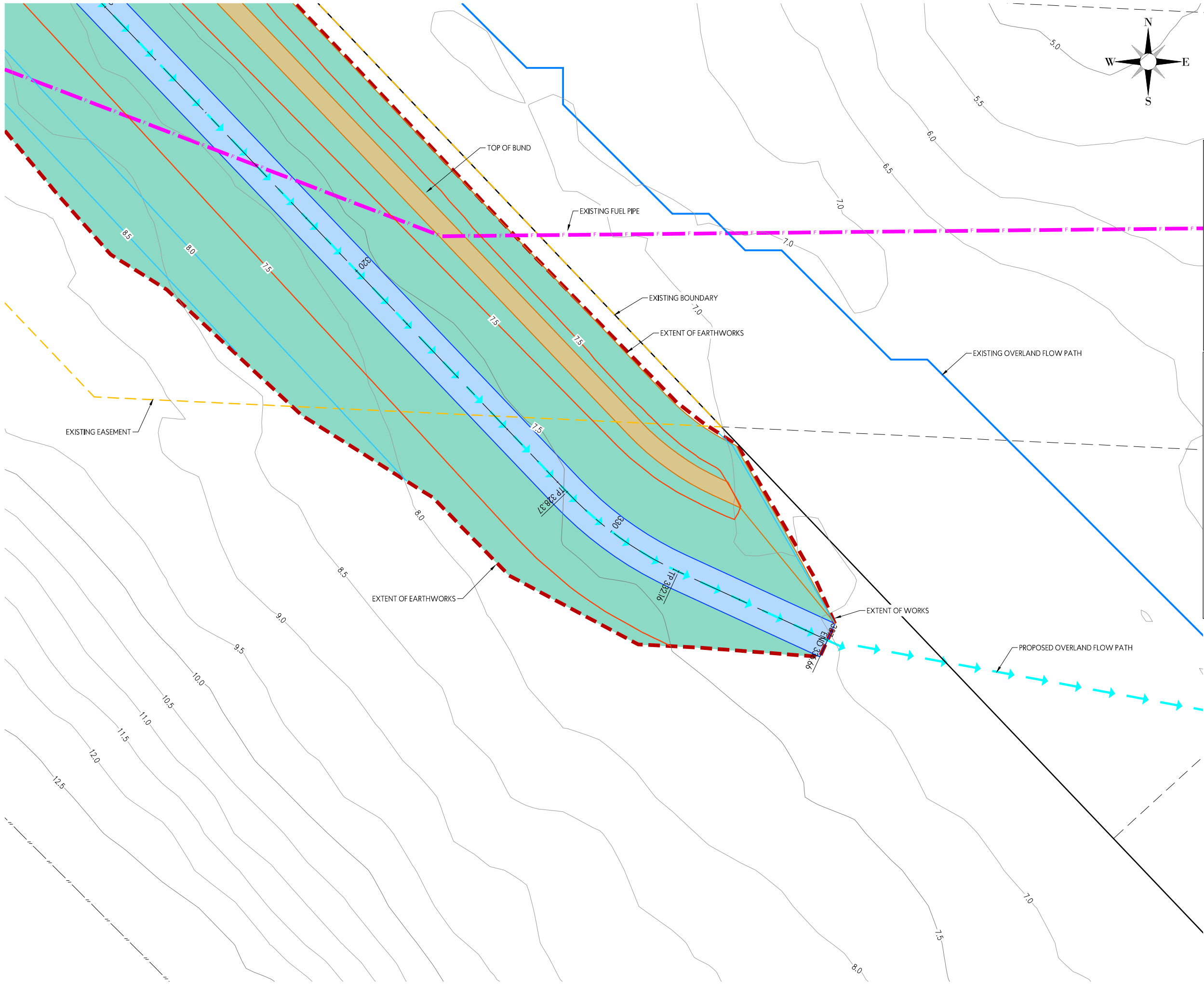
TITLE:
PROPOSED
DRAINAGE PLAN
SHEET 2 OF 3

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: JDP	DRAWN: MJP	REVISION:
CHECKED: ADJ	PLOT DATE: 18-12-24	1636-02
SCALE A1: 1:250	SCALE A3: 1:500	402
STATUS: FOR CONSENT		RC2
PROJECT No:	DRAWING No:	







- NOTES:**
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL & WATERCARE STANDARDS UNLESS DETAILED OTHERWISE.
 2. ALL WASTEWATER PIPES TO BE PVC-U SNI6.
 3. ALL STORMWATER MAIN PIPES TO BE RCRRJ CLASS 2 UNLESS NOTED OTHERWISE.
 4. ALL CATCHPITS TO BE 675x450mm UNLESS NOTED OTHERWISE. SIZING AND LOCATION TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 5. ALL PRIVATE CATCHPIT LEADS TO BE DN300 RCRRJ CLASS 4 UNLESS NOTED OTHERWISE.
 6. REFER TO SHEETS 430 & 450 FOR DRAINAGE LONGSECTIONS.
 7. REFER TO SHEET 490 FOR STANDARD DRAINAGE DETAILS

LEGEND:

- EXISTING CONTOURS SHOWN AT 0.5m INTERVALS
- EXISTING PUBLIC STORMWATER
- PROPOSED PUBLIC STORMWATER
- EXISTING PUBLIC WASTEWATER
- PROPOSED PUBLIC WASTEWATER
- EXISTING OVERLAND FLOW PATH
- EXISTING FUEL TRANSMISSION LINE
- SITE BOUNDARY
- EXISTING EASEMENT BOUNDARY
- PROPOSED OVERLAND FLOW PATH
- PROPOSED TANK

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

REVISIONS:

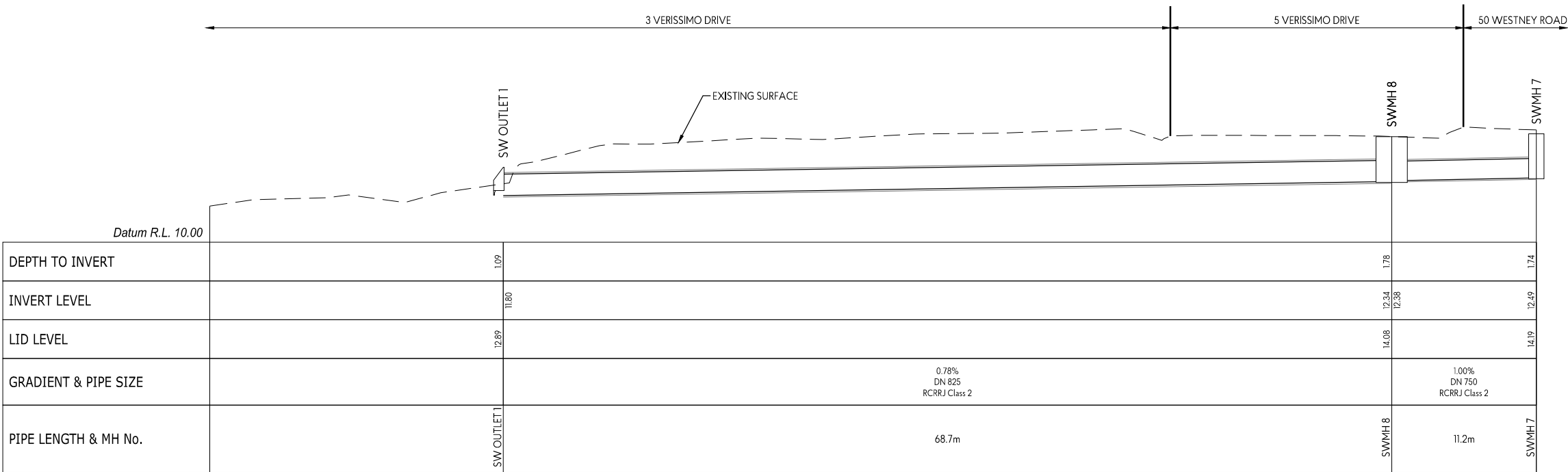
REV	NOTES	BY	DATE
RC1	FOR PRIVATE PLAN CHANGE	JDP	18-12-24

PROJECT:
ROKOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:
PROPOSED DRAINAGE PLAN
DETAILED OLFP OUTLET



DESIGNED: JDP	DRAWN: SKR	REVISION: RC1
CHECKED: ADJ	PLOT DATE: 18-12-24	
SCALE A1: 1:50	SCALE A3: 1:100	
STATUS: FOR CONSENT		
PROJECT No: 1636-02	DRAWING No: 411	



SW OP 1

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

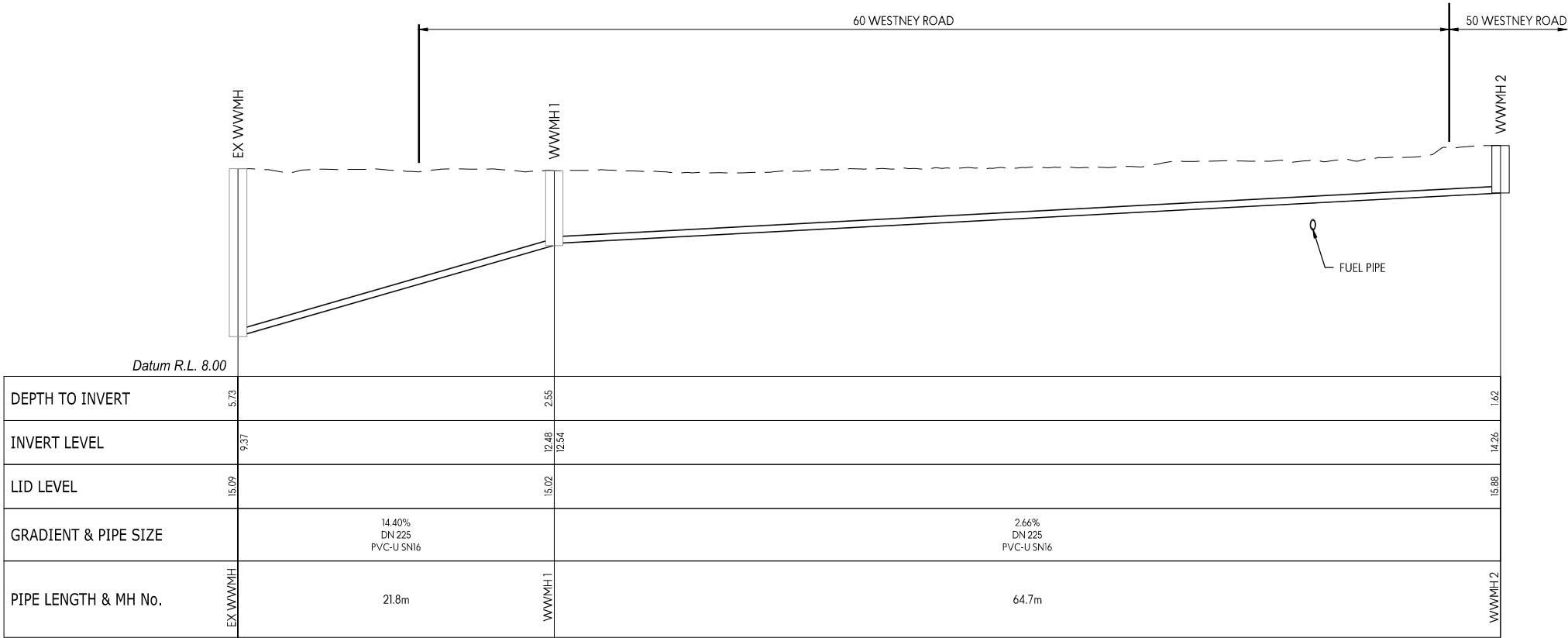
REVISIONS:			
REV	NOTES	BY	DATE
RC1	FOR PRIVATE PLAN CHANGE	JDP	29-08-24
RC2	UPDATED FOR PLAN CHANGE RFI	JDP	12-12-2024

PROJECT:
ROTOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:
PROPOSED
STORMWATER LONG SECTION



DESIGNED: JDP	DRAWN: MJP
CHECKED: ADJ	PLOT DATE: 18-12-24
SCALE A1: 1:200	SCALE A3: 1:400
STATUS: FOR CONSENT	
PROJECT No: 1636-02	DRAWING No: 430
	REVISION: RC2



WW LINE A (I)

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

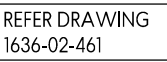
REVISIONS:			
REV	NOTES	BY	DATE
RC1	FOR PRIVATE PLAN CHANGE	JDP	29-08-24
RC2	UPDATED FOR PLAN CHANGE RFI	JDP	12-12-2024

PROJECT:
ROTOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:
PROPOSED
WASTEWATER LONG SECTION



DESIGNED: JDP	DRAWN: MJP
CHECKED: ADJ	PLOT DATE: 18-12-24
SCALE A1: 1:200	SCALE A3: 1:400
STATUS: FOR CONSENT	
PROJECT No: 1636-02	DRAWING No: 450
	REVISION: RC2



OLFP section
LONGSECTION BETWEEN 0.00 AND 336.66

REVIEWS:			
REV	NOTES	BY	DATE
RC1	FOR PRIVATE PLAN CHANGE	JDP	29-08-24
RC2	UPDATED FOR PLAN CHANGE RFI	JDP	12-12-2024

TITLE:
OVERLAND FLOW PATH
LONGSECTION

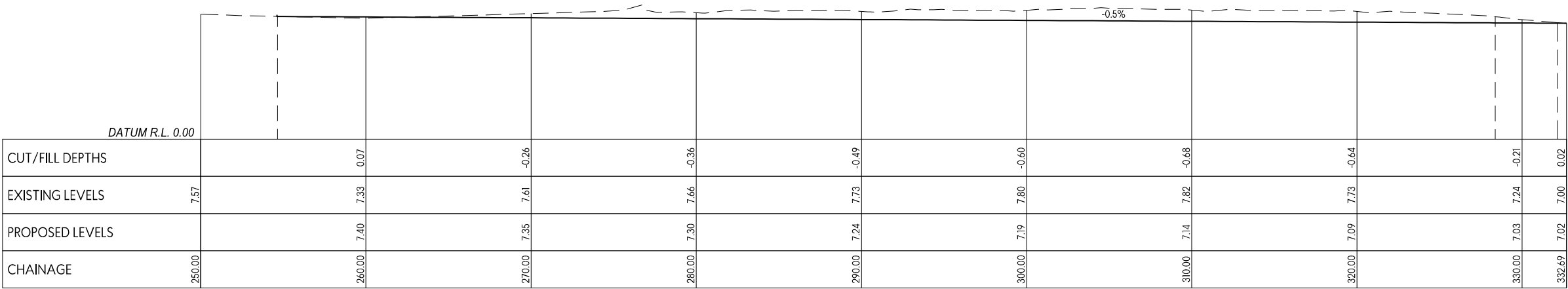


DESIGNED: JDP
CHECKED: ADJ
SCALE A1: 1:500
STATUS: FOR CONSENT

DRAWN: SKR
PLOT DATE: 18-12-24
SCALE A3: 1:1000

PROJECT No: 1636-02
DRAWING No: 460
REVISION: RC2

— — — — — EXISTING GROUND LEVEL
————— PROPOSED GROUND LEVEL



OLFP section
LONGSECTION BETWEEN 250.00 AND 332.69

LEGEND:

EXISTING GROUND LEVEL

PROPOSED GROUND LEVEL

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

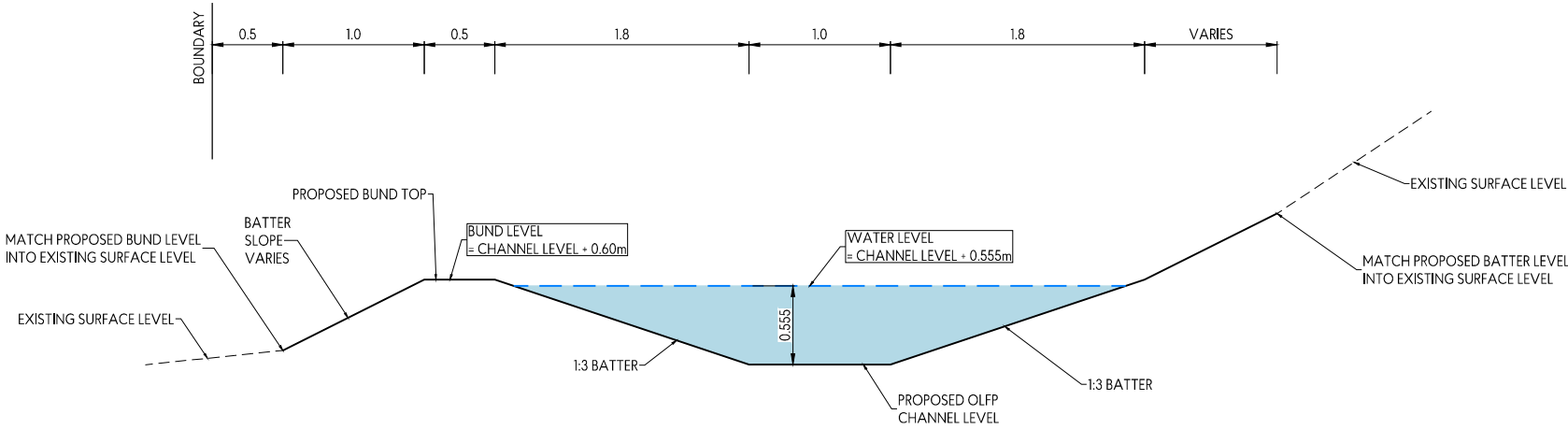
REVISIONS:			
REV	NOTES	BY	DATE
RC1	FOR PRIVATE PLAN CHANGE	JDP	29-08-24
RC2	UPDATED FOR PLAN CHANGE RFI	JDP	12-12-2024

PROJECT:
ROTOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

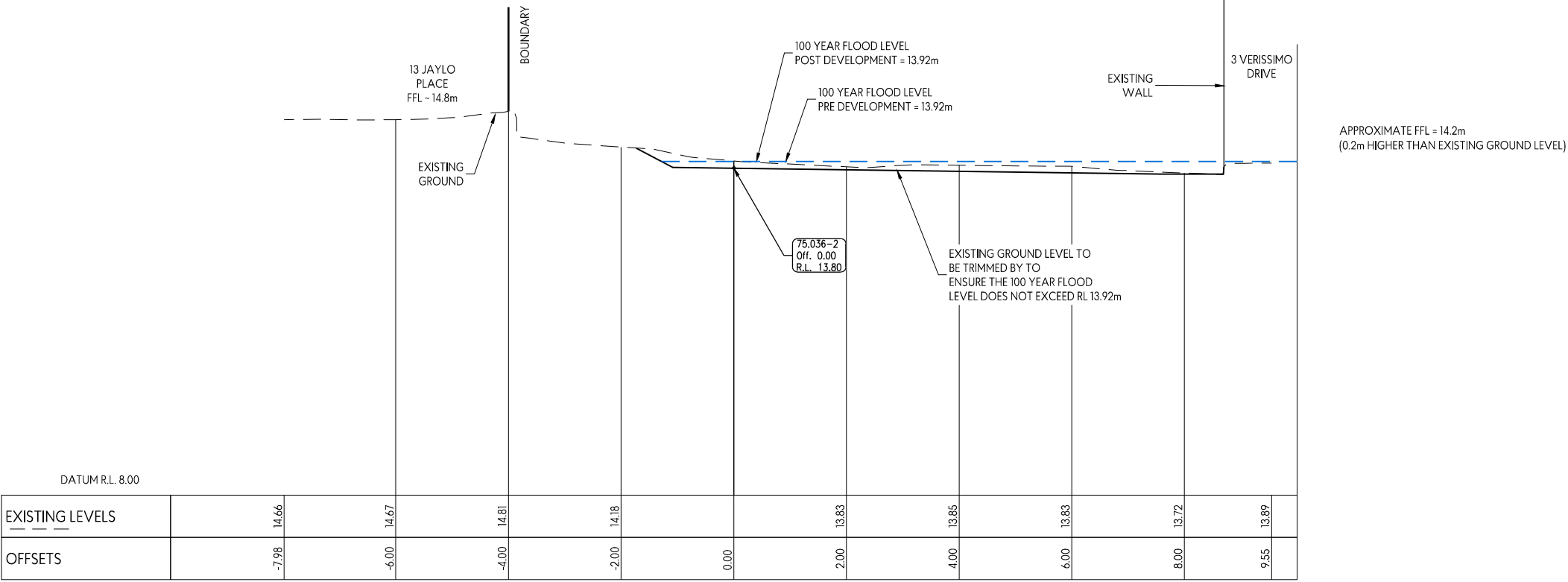
TITLE:
OVERLAND FLOW PATH
SECONDARY DIVERSION
LONGSECTION



DESIGNED: JDP	DRAWN: SKR	REVISION:
CHECKED: ADJ	PLOT DATE: 18-12-24	1636-02
SCALE A1: 1:150	SCALE A3: 1:300	461
STATUS: FOR CONSENT	PROJECT No:	RC2

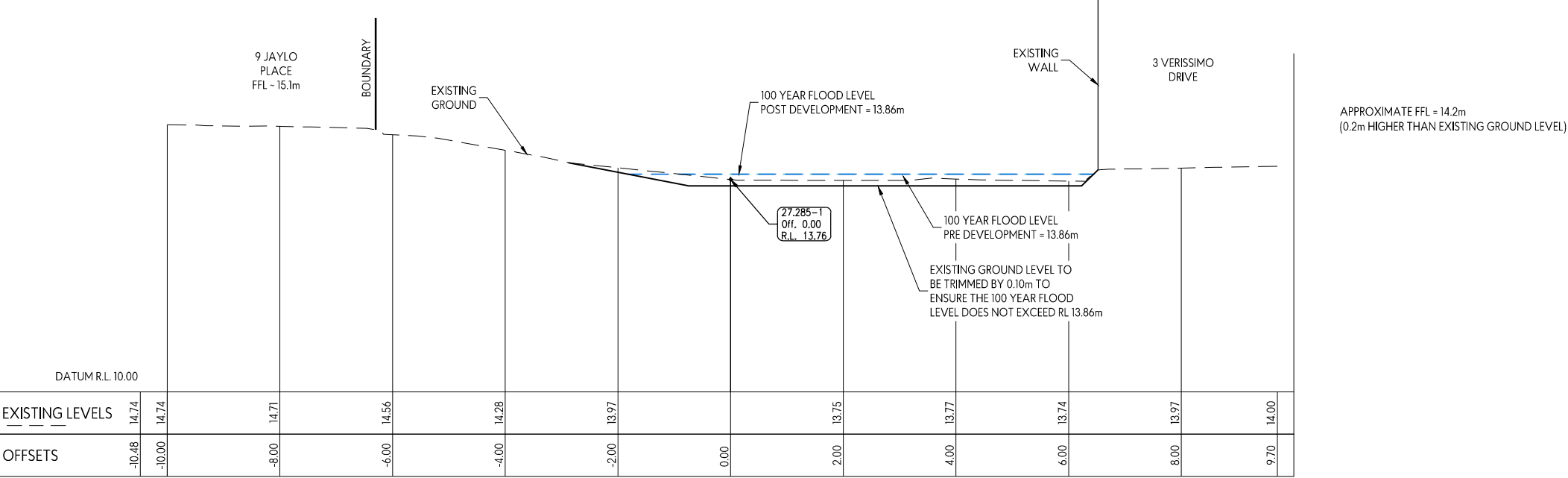


TYPICAL OLFP CROSS SECTION
SCALE 1:25 @ A1, 1:50 @ A3



OLFP section: CH 49.58

SECTION B - OVERLAND FLOW PATH
CH: 75.04
SCALE 1:50-A1 1:100-A3



OLFP section: CH 27.29

SECTION A - OVERLAND FLOW PATH
CH: 27.29
SCALE 1:50-A1 1:100-A3

LEGEND:

- EXISTING GROUND LEVEL
- PROPOSED GROUND LEVEL
- - - 100 YEAR FLOOD LEVEL

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

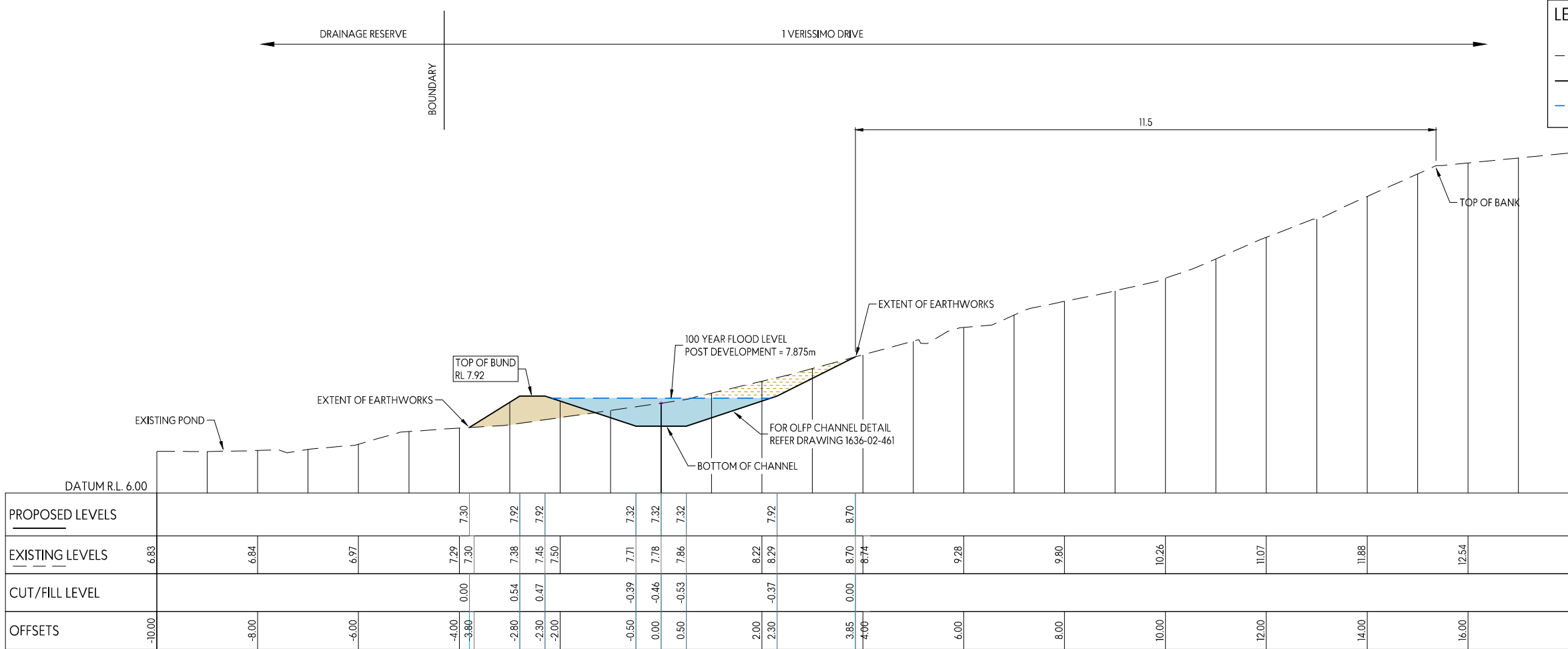
REVISIONS:		BY	DATE
REV	NOTES		
RC1	FOR PRIVATE PLAN CHANGE	JDP	29-08-24
RC2	UPDATED FOR PLAN CHANGE RFI	JDP	12-12-2024

PROJECT:
ROTOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:
PROPOSED
OVERLAND FLOW PATH
SECTIONS - SHEET 1

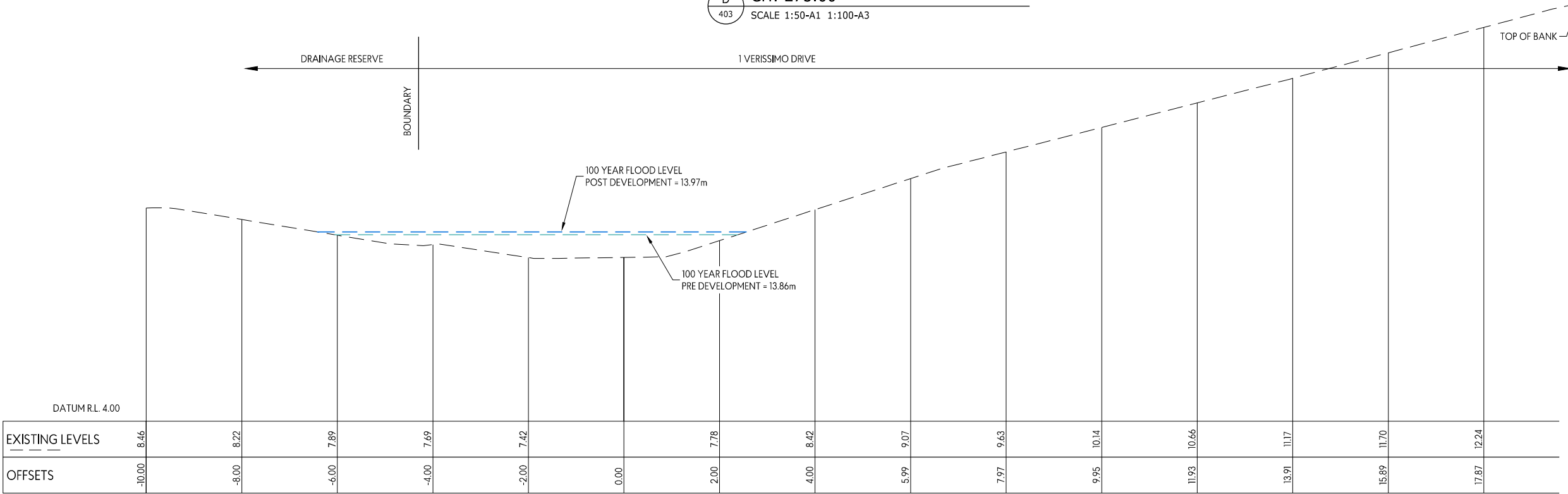


DESIGNED: JDP	DRAWN: MJP	
CHECKED: ADJ	PLOT DATE: 18-12-24	
SCALE A1: 1:50	SCALE A3: 1:100	
STATUS: FOR CONSENT		
PROJECT No: 1636-02	DRAWING No: 462	REVISION: RC2



OLFP section: CH 275.00

SECTION D - OVERLAND FLOW PATH
CH: 275.00
SCALE 1:50-A1 1:100-A3



OLFP section: CH 255.00

SECTION C - OVERLAND FLOW PATH
CH: 255.00
SCALE 1:50-A1 1:100-A3

LEGEND:

- EXISTING GROUND LEVEL
- PROPOSED GROUND LEVEL
- 100 YEAR FLOOD LEVEL

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

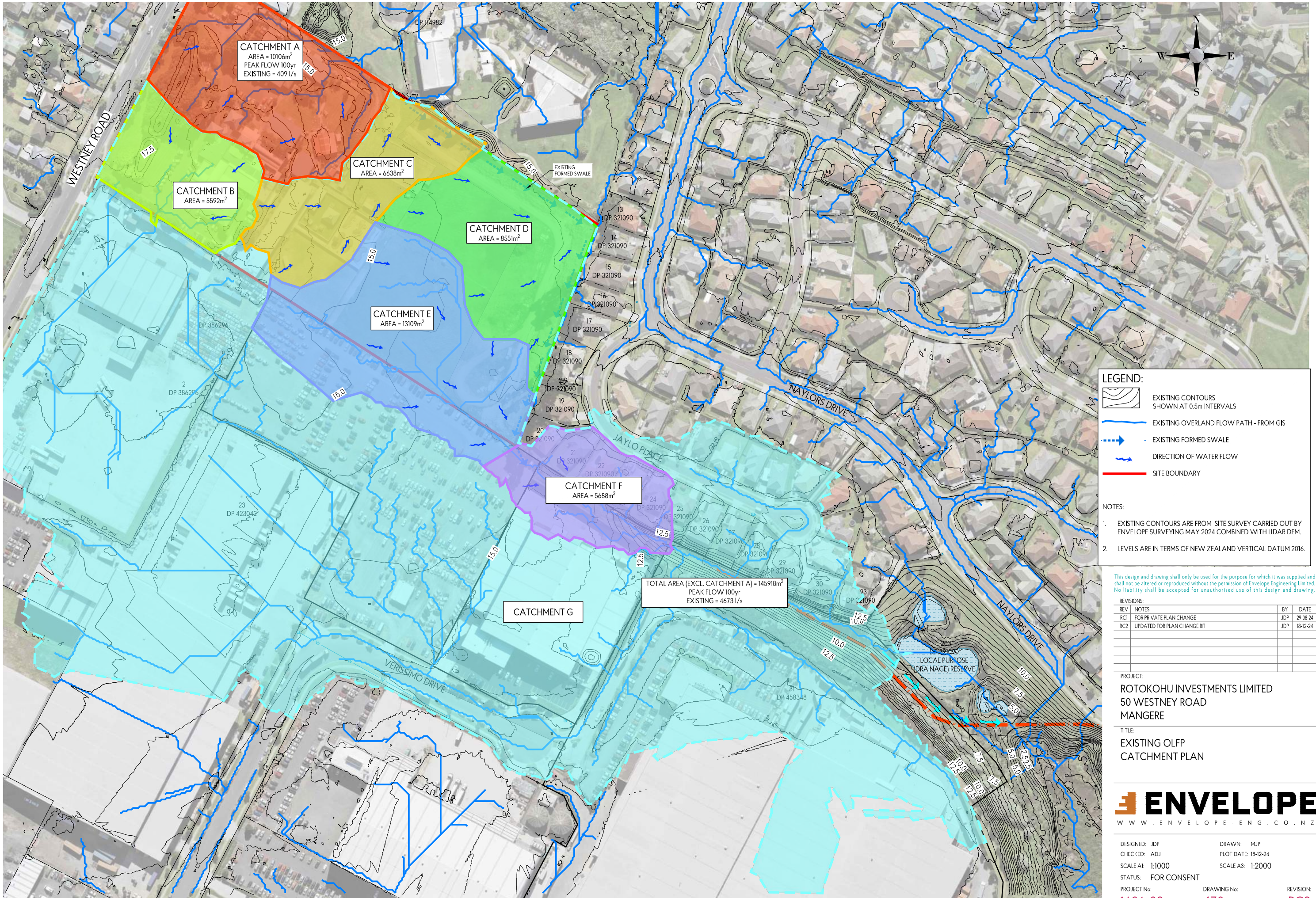
REVISIONS:		BY	DATE
REV	NOTES		
RC1	FOR PRIVATE PLAN CHANGE	JDP	29-08-24
RC2	UPDATED FOR PLAN CHANGE RFI	JDP	12-12-2024

PROJECT:
ROKOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:
PROPOSED
OVERLAND FLOW PATH
SECTIONS - SHEET 2



DESIGNED: JDP	DRAWN: MJP	REVISION:
CHECKED: ADJ	PLOT DATE: 18-12-24	1636-02
SCALE A1: 1:50	SCALE A3: 1:100	463
STATUS: FOR CONSENT	PROJECT No:	RC2



LEGEND:

- EXISTING CONTOURS SHOWN AT 0.5m INTERVALS
- EXISTING OVERLAND FLOW PATH - FROM GIS
- EXISTING FORMED SWALE
- DIRECTION OF WATER FLOW
- SITE BOUNDARY

- NOTES:**
- EXISTING CONTOURS ARE FROM SITE SURVEY CARRIED OUT BY ENVELOPE SURVEYING MAY 2024 COMBINED WITH LIDAR DEM.
 - LEVELS ARE IN TERMS OF NEW ZEALAND VERTICAL DATUM 2016.

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

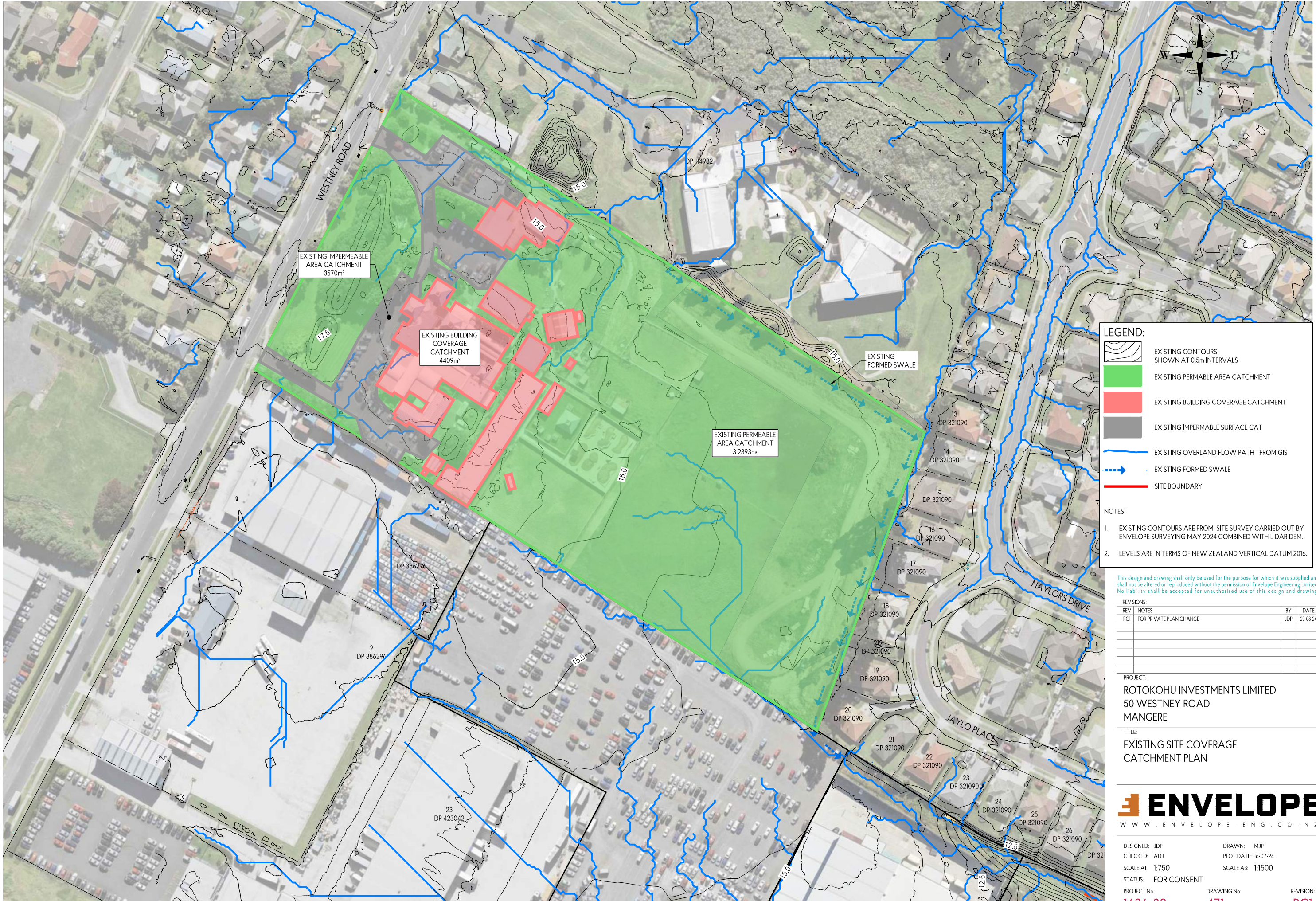
REVISIONS:		BY	DATE
REV	NOTES	JDP	29-08-24
RC1	FOR PRIVATE PLAN CHANGE	JDP	18-12-24
RC2	UPDATED FOR PLAN CHANGE RFI	JDP	

PROJECT:
ROKOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:
EXISTING OLFP
CATCHMENT PLAN



DESIGNED: JDP	DRAWN: MJP	REVISION:
CHECKED: ADJ	PLOT DATE: 18-12-24	
SCALE A1: 1:1000	SCALE A3: 1:2000	
STATUS: FOR CONSENT		
PROJECT No: 1636-02	DRAWING No: 470	RC2



LEGEND:

- EXISTING CONTOURS SHOWN AT 0.5m INTERVALS
- EXISTING PERMEABLE AREA CATCHMENT
- EXISTING BUILDING COVERAGE CATCHMENT
- EXISTING IMPERMEABLE SURFACE CAT
- EXISTING OVERLAND FLOW PATH - FROM GIS
- EXISTING FORMED SWALE
- SITE BOUNDARY

NOTES:

- EXISTING CONTOURS ARE FROM SITE SURVEY CARRIED OUT BY ENVELOPE SURVEYING MAY 2024 COMBINED WITH LIDAR DEM.
- LEVELS ARE IN TERMS OF NEW ZEALAND VERTICAL DATUM 2016.

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

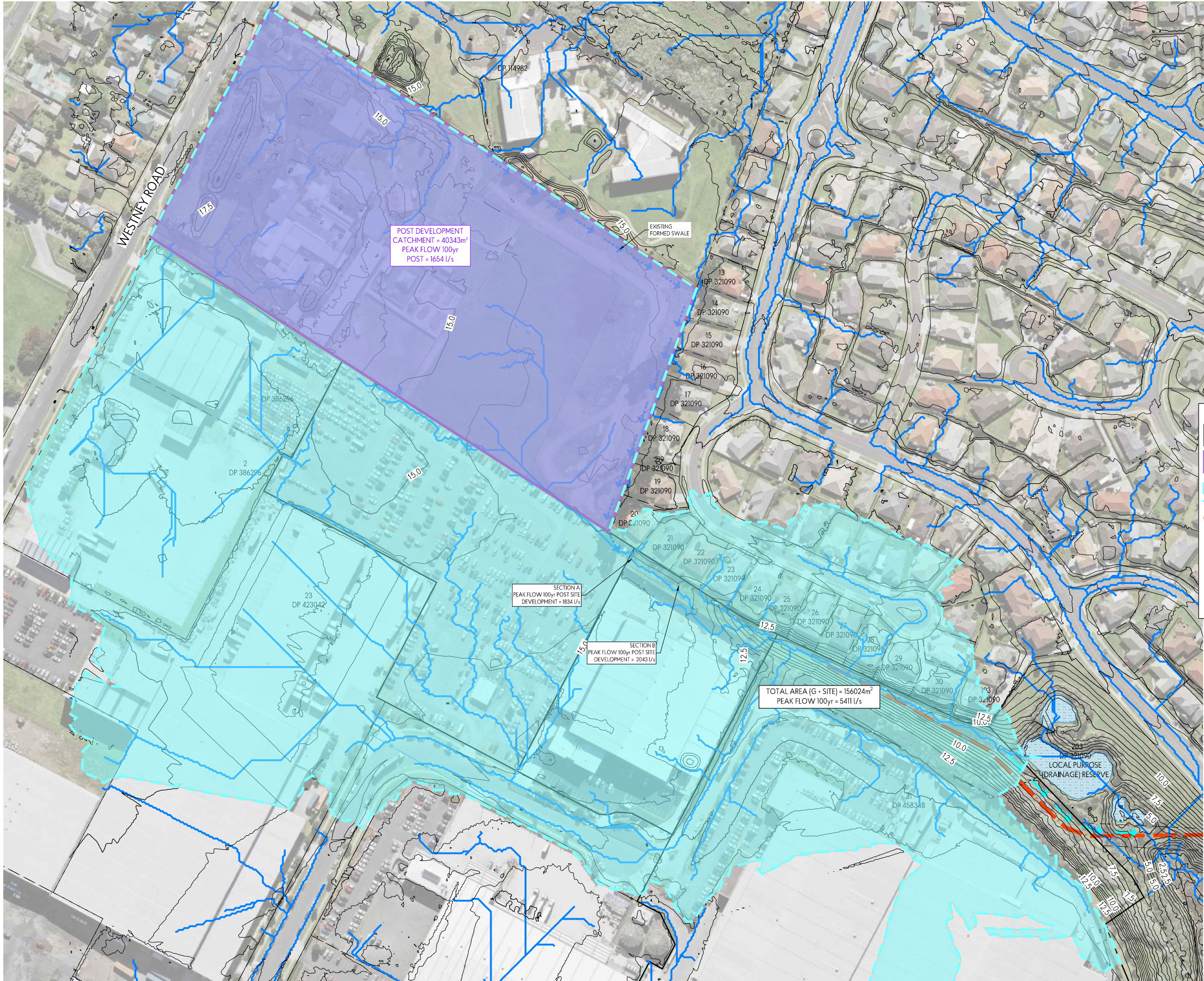
REVISIONS:			
REV	NOTES	BY	DATE
RC1	FOR PRIVATE PLAN CHANGE	JDP	29-08-24

PROJECT:
ROKOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

TITLE:
EXISTING SITE COVERAGE
CATCHMENT PLAN



DESIGNED: JDP	DRAWN: MJP	REVISION: RC1
CHECKED: ADJ	PLOT DATE: 16-07-24	
SCALE A1: 1:750	SCALE A3: 1:1500	
STATUS: FOR CONSENT		
PROJECT No: 1636-02	DRAWING No: 471	



LEGEND:

- EXISTING CONTOURS SHOWN AT 0.5m INTERVALS
- POST DEVELOPMENT CATCHMENT
- POST DEVELOPMENT CATCHMENT F
- SITE BOUNDARY

NOTES:

- EXISTING CONTOURS ARE FROM SITE SURVEY CARRIED OUT BY ENVELOPE SURVEYING MAY 2024 COMBINED WITH LIDAR DEM.
- LEVELS ARE IN TERMS OF NEW ZEALAND VERTICAL DATUM 2016.

This design and drawing shall only be used for the purpose for which it was supplied and shall not be altered or reproduced without the permission of Envelope Engineering Limited. No liability shall be accepted for unauthorised use of this design and drawing.

REV		NOTES	BY	DATE
RC1		FOR PRIVATE PLAN CHANGE	JDP	18-12-24

PROJECT:
ROTOKOHU INVESTMENTS LIMITED
50 WESTNEY ROAD
MANGERE

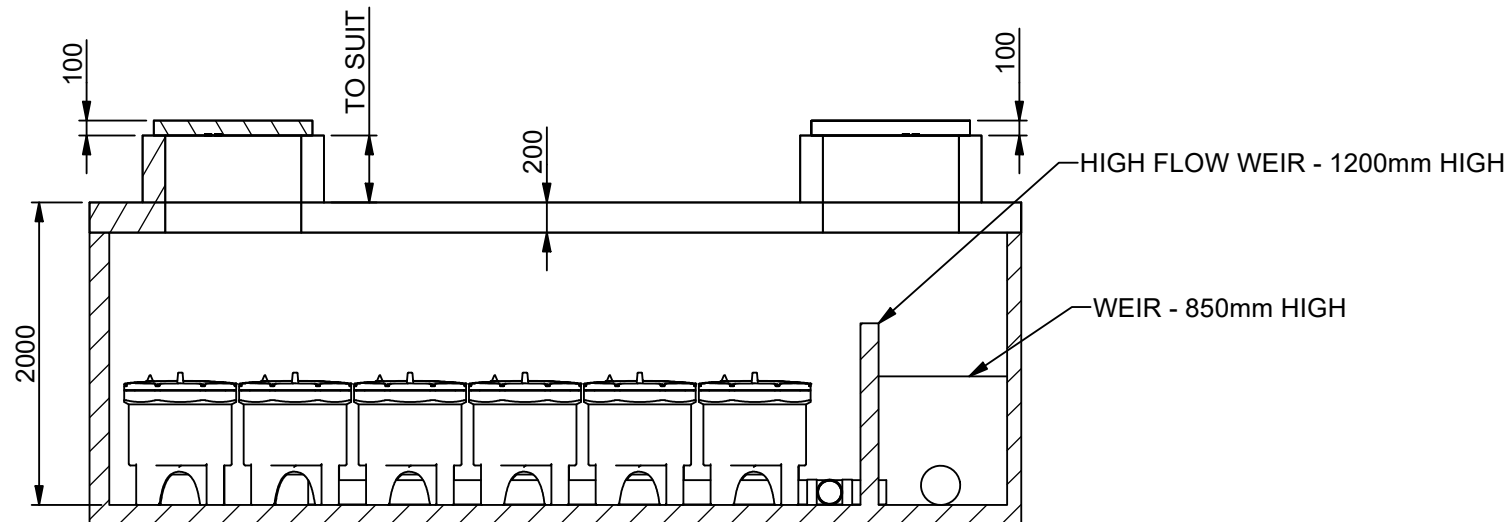
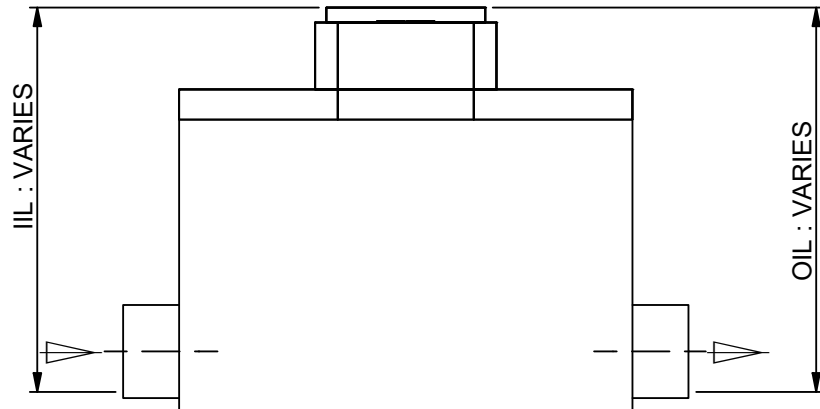
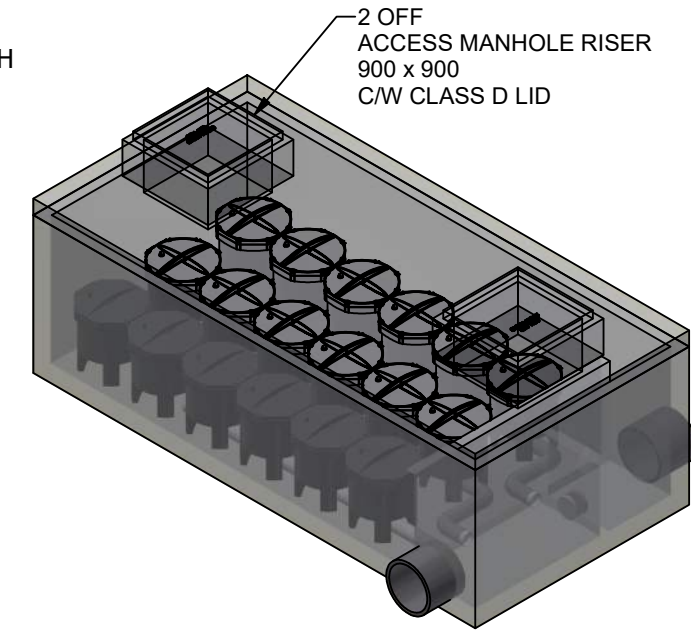
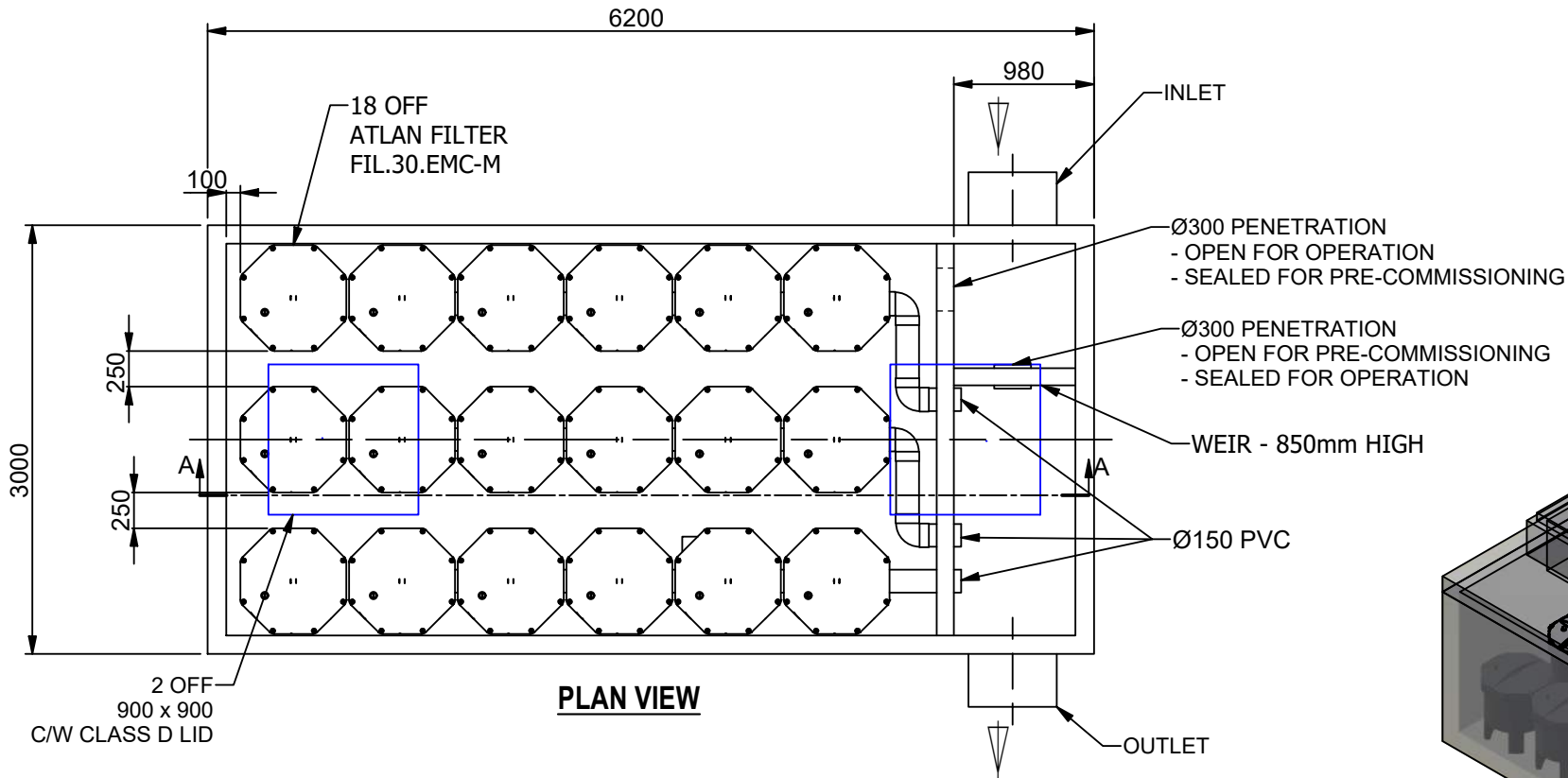
TITLE:
POST DEVELOPMENT
CATCHMENT PLAN



DESIGNED: JDP	DRAWN: MJP	
CHECKED: ADJ	PLOT DATE: 18-12-24	
SCALE A1: 1:750	SCALE A3: 1:1500	
STATUS: FOR CONSENT		
PROJECT No: 1636-02	DRAWING No: 472	REVISION: RC1

ISSUE FOR APPROVAL
NOT FOR CONSTRUCTION

Site Level Confirmation	
Finished Surface Level (FSL) RL:	
Access Cover Thickness	mm
Inlet Invert Level RL:	
Outlet Invert Level RL:	
Company:	
Name:	
Date:	



TOLERANCE: All Dimensions to Closest 10 mm & +/- 30 mm

ALL INTERCONNECTING PIPEWORK, PITS AND ASSOCIATED DRAINAGE BY OTHERS

CLIENT:

CONFIDENTIAL - The drawings must not be disclosed to any third parties without written permission from ATLAN STORMWATER. Unauthorized disclosure may result in prosecution.
© ATLAN STORMWATER - This drawing is the property of ATLAN STORMWATER ABN: 83 151 832 629 and is subject to return on demand. It is submitted for the use only in connection with the proposal and contracts of ATLAN STORMWATER with the expressed conditions that it is not to be reproduced or copied in any form. This data must only be used in accordance with our standard terms and conditions.
© Copyright
ATLAN STORMWATER accepts no responsibility for any loss or damage resulting from any person acting on this information. The details and dimensions contained in this document may change, please check with ATLAN STORMWATER for confirmation of current specifications.

Drawn	Date
R.J.	29/08/2024
Check	Date
Verified	Date
Approved	Date
Request No.	

Atlan
STORMWATER

PROJECT :

TITLE
ATLAN FILTER SYSTEM
FIL.3062-1800.18-30.CON
GENERAL ARRANGEMENT

SCALE	SIZE	SHEET	REV
N.T.S	A3	1	1
CUSTOMER CODE :	DWG No.	NZ-C.01.10.GA	

REV	DATE	BY	DESCRIPTION	CHK
1	29/08/2024	R.J.		