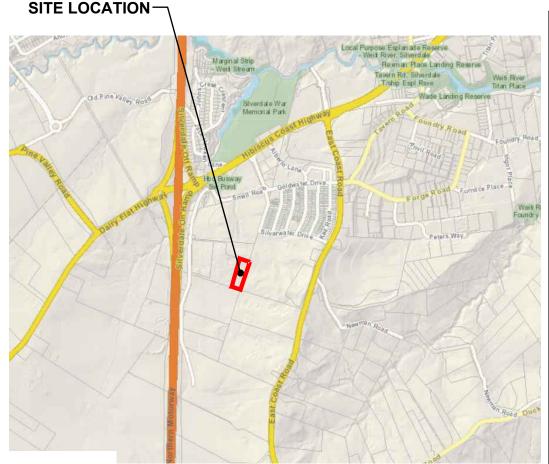
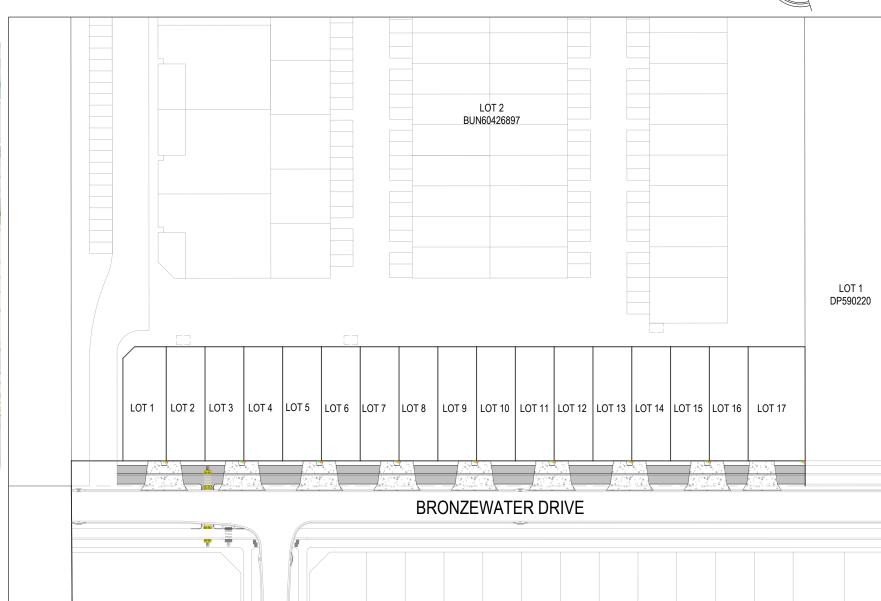
EAST COAST HEIGHTS LIMITED PROPOSED 17 LOT RESIDENTIAL SUBDIVISION 53 SMALL ROAD, SILVERDALE







SITE LOCALITY PLAN



NOT FOR CONSTRUCTION FOR RESOURCE CONSENT PURPOSE

COVER SHEET PG101 JOB NUMBER: 1927

RESOURCE CONSENT DRAWINGS:

PRELIMINARY & GENERAL

PG101 COVER SHEET

PG102 CONTENTS PAGE

PG103 EXISTING SITE PLAN

PG104 PROPOSED DEVELOPMENT PLAN

EARTHWORKS

EW201 PROPOSED CONTOUR PLAN

EW202 PROPOSED CUT & FILL DEPTH CONTOUR PLAN

EW203 EROSION & SEDIMENT CONTROL PLAN

EW204-206 EROSION & SEDIMENT CONTROL DETAILS

EW207 PROPOSED RETAINING WALL PLAN

ROADING

RD301 PROPOSED ROADING PLAN

RD302 TYPICAL VEHICLE CROSSING DETAIL RD303 TYPICAL ROAD CROSS SECTION PLAN

STORMWATER

SW401 PROPOSED STORMWATER OVERVIEW PLAN

SW402 PROPOSED STORMWATER PLAN

WASTEWATER

WW501 PROPOSED WASTEWATER OVERVIEW PLAN

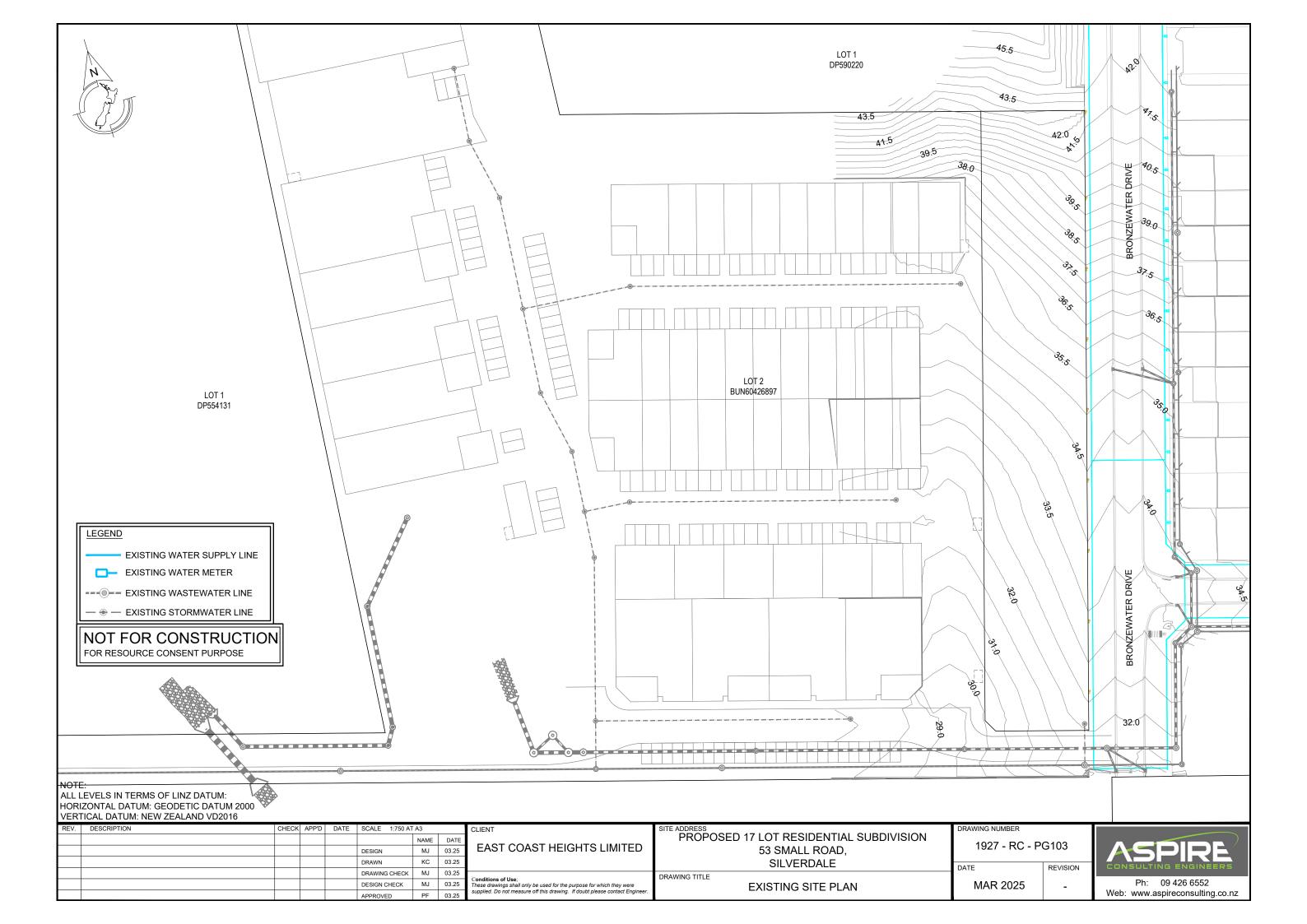
WW502 PROPOSED WASTEWATER PLAN

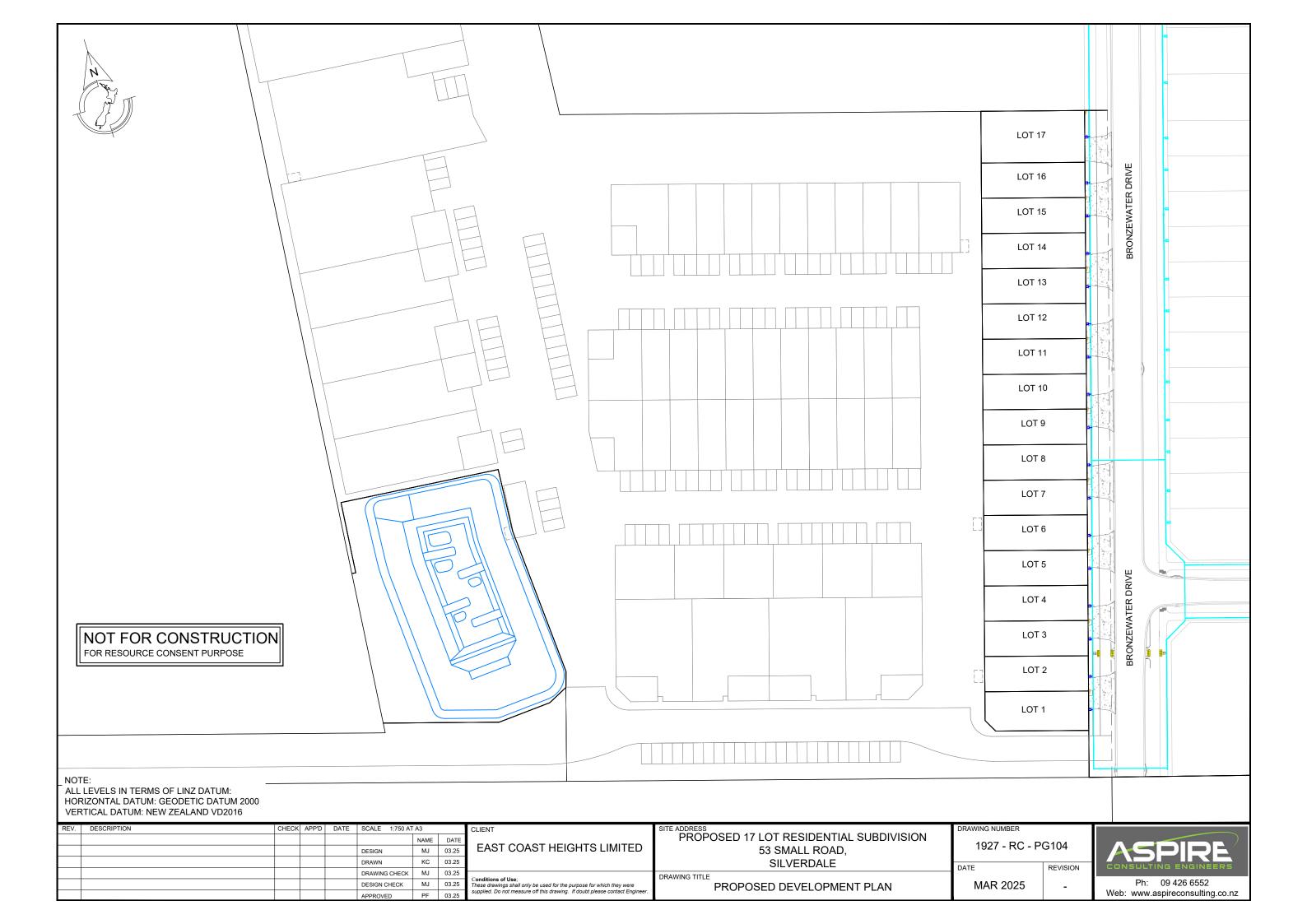
WATER SUPPLY

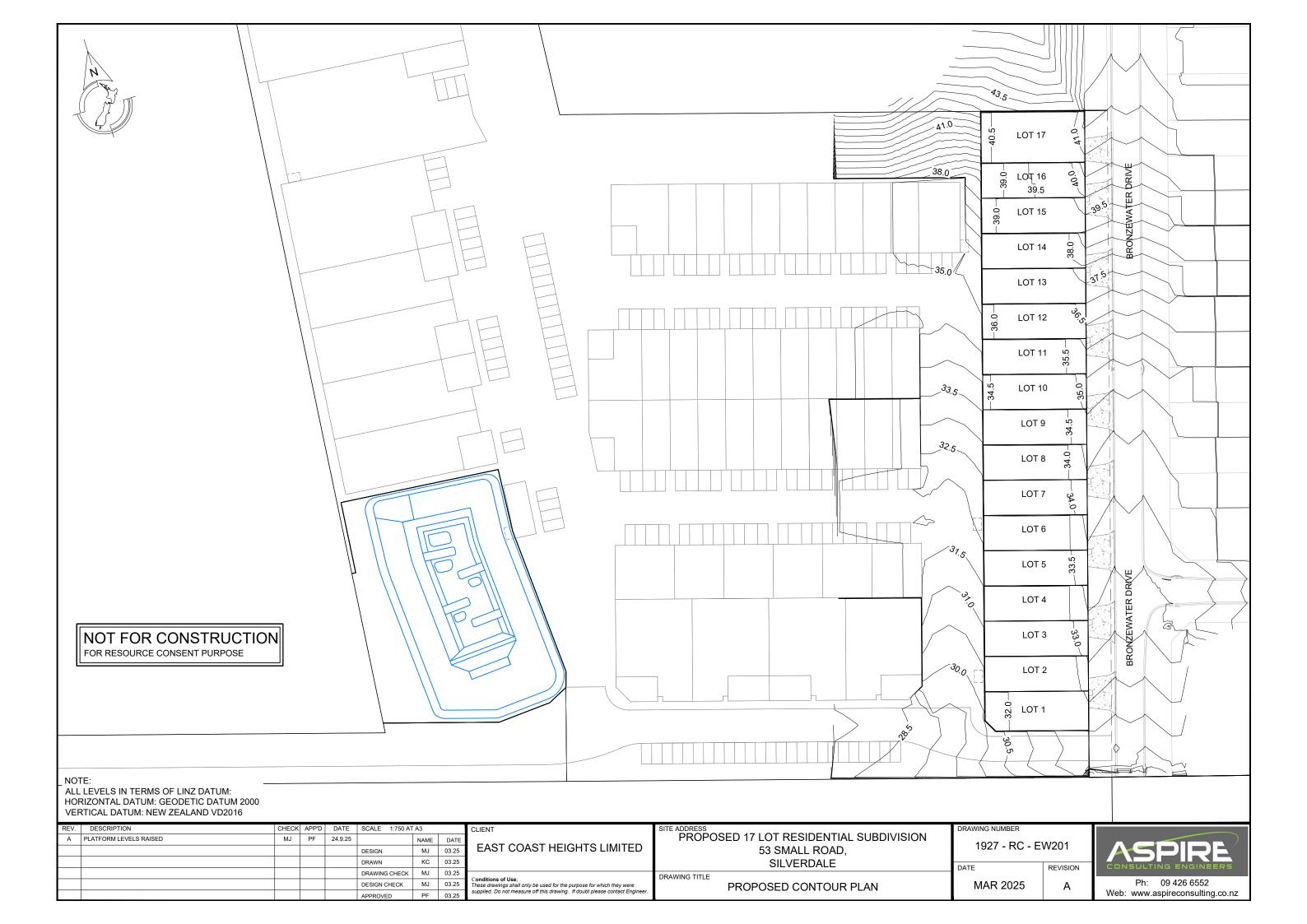
WS601 PROPOSED WATER SUPPLY PLAN

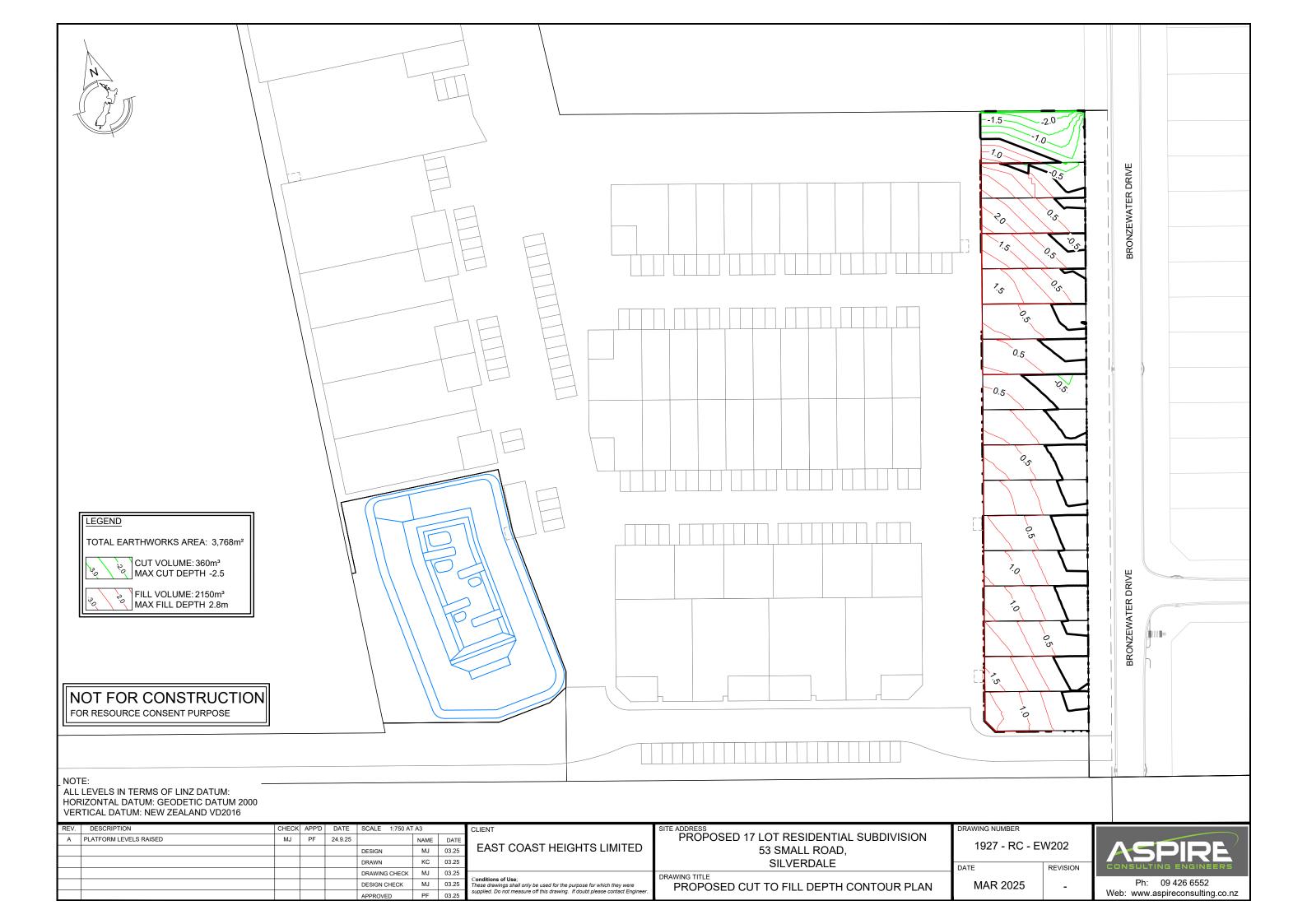
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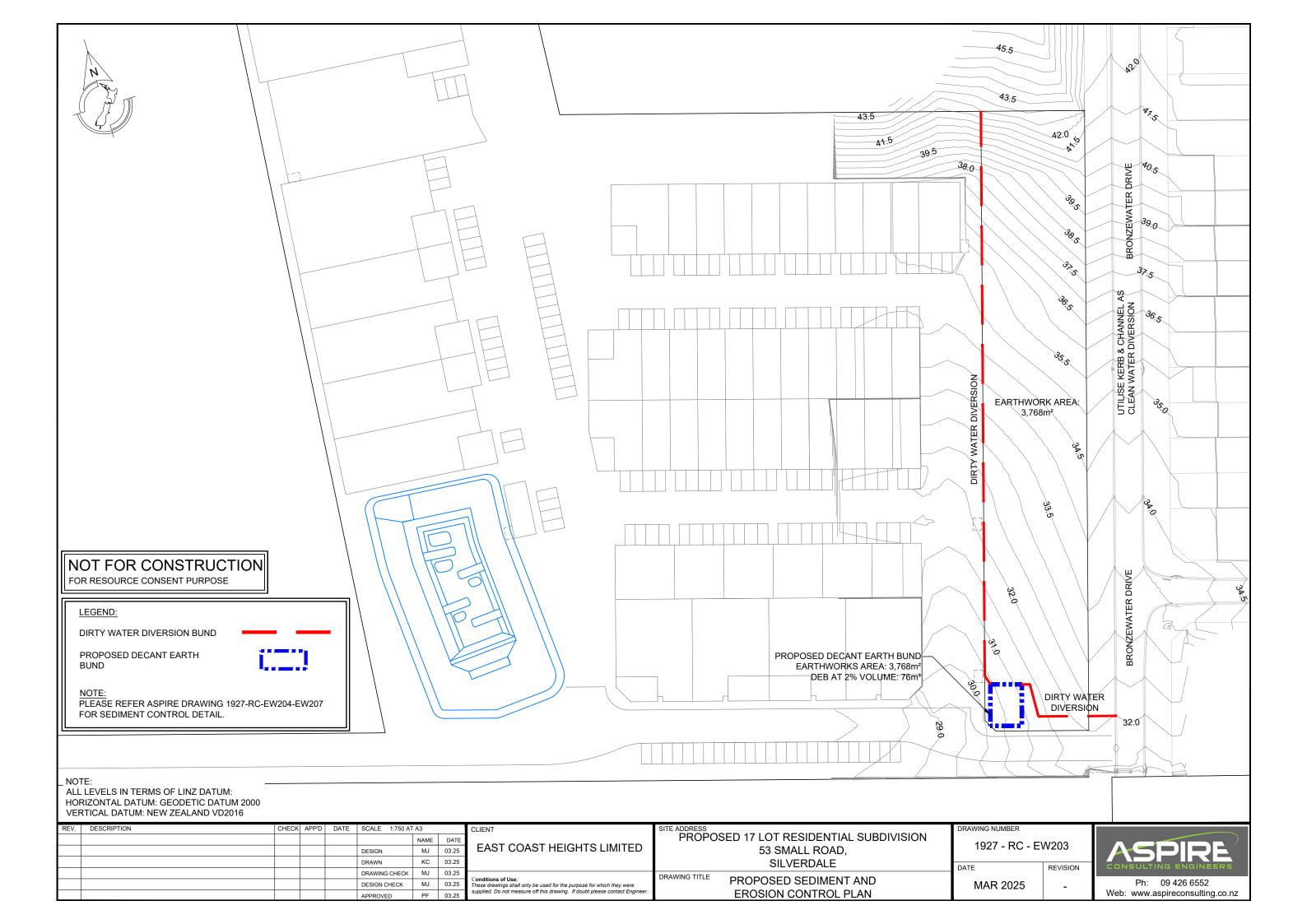
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		NAME DATE		PROPOSED 17 LOT RESIDENTIAL SUBDIVISION	1927 - RC - PG102	
		DESIGN MJ 03.25	EAST COAST HEIGHTS LIMITED	53 SMALL ROAD,	1927 - RC - PG 102	
		DRAWN KC 03.25		SILVERDALE	DATE REVISION	CONSULTING ENGINEERS
		DRAWING CHECK MJ 03.25		DRAWING TITLE	BATE	
		DESIGN CHECK MJ 03.25	Conditions of Use; These drawings shall only be used for the purpose for which they were	CONTENTS PAGE	MAR 2025 -	Ph: 09 426 6552
		APPROVED PF 03.25	supplied. Do not measure off this drawing. If doubt please contact Engineer.	CONTENTOTAGE		Web: www.aspireconsulting.co.nz

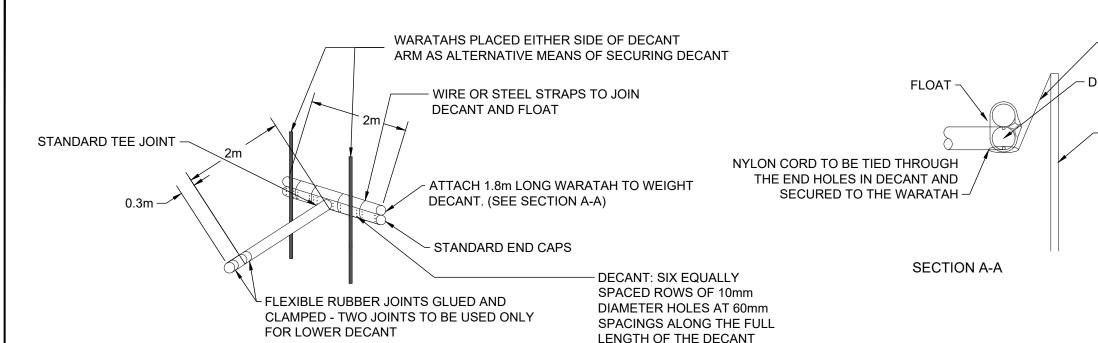






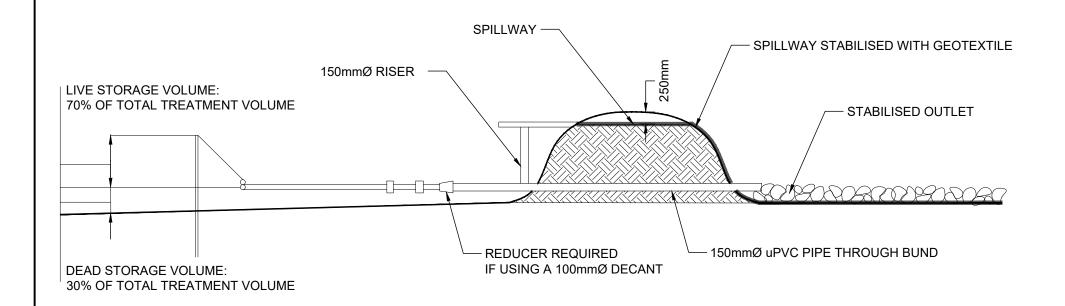






PIPE

STANDARD T-BAR DESIGN SCHEMATIC



DECANTING EARTH BUND CROSS-SECTION

SINGLE WARATAH FIXED FIRMLY BEHIND CABLE TIES/STRAPS REQUIRED TO WEIGHT DECANT

- DECANT

STANDARD WARATAH PLACEMENT AT EITHER END OF THE DECANT

DECANTING DEVICE SIZING:						
CONTRIBUTING AREA	STORAGE VOLUME 2%					
200m²	4m ³					
400m²	8m ³					
600m²	12m ³					
800m²	16m ³					
1000m²	20m ³					
1200m²	24m ³					
1400m²	28m³					
1600m²	32m ³					
1800m²	36m ³					
2000m²	40m ³					
2200m²	44m ³					
2400m²	48m ³					
2600m²	52m ³					
2800m²	56m ³					
3000m²	60m ³					

DEB SIZING:

- DEB SIZING IS BASED ON CONTRIBUTING CATCHMENT **AREA**
- DECANTING EARTH BUND TO HAVE A MINIMUM VOLUME OF 2% OF THE CONTRIBUTING CATCHMENT AREA (20m3 FOR EACH 1,000m²)
- THE SLOPE ANGLE IS DETERMINED BY THE SLOPE IMMEDIATELY ABOVE THE DEB, OR BY THE AVERAGE SLOPE OVER THE CONTRIBUTING CATCHMENT, WHICHEVER IS GREATER. THE SLOPE ANGLE SHOULD ALSO BE THE GREATER OF THE PRE- OR POST-CONSTRUCTION SLOPE.
- THE ABOVE CALCULATION DEFINES THE TOTAL STORAGE VOLUME WHICH IS MEASURED FROM THE BASE OF THE DEB TO THE TOP OF THE PRIMARY SPILLWAY.
- BASE OF THE DEB TO BE MINIMUM OF 2m WIDE
- LENGTH-TO-WIDTH RATIO TO BE NO LESS THAN 3:1 AND NO GREATER THAN 5:1. LENGTH TO WIDTH RATIO IS MEASURED AT THE HEIGHT OF THE PRIMARY SPILLWAY.
- THE LENGTH OF THE DEB IS MEASURED AS THE DISTANCE BETWEEN THE INLET AND THE OUTLET. THE LENGTH BETWEEN THE INLET AND THE OUTLET SHOULD BE A MINIMUM OF 5m.

REV.	DESCRIPTION	CHECK	APP'D	DATE	SCALE N.T.S			CLIENT
						NAME	DATE	
					DESIGN	MJ	03 2025	EAST COAST HEIGHTS LIMITED
					DRAWN	KC	03 2025	
					DRAWING CHECK	MJ	03 2025	G 1911
					DESIGN CHECK	MJ	03 2025	Conditions of Use; These drawings shall only be used for the purpose for which they were
					APPROVED	EP	03 2025	supplied. Do not measure off this drawing. If doubt please contact Engineer.

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PROPOSED 17 LOT RESIDENTIAL SUBDIVISION 53 SMALL ROAD. **SILVERDALE** DRAWING TITLE PROPOSED EROSION &

SEDIMENT CONTROL DETAILS 1

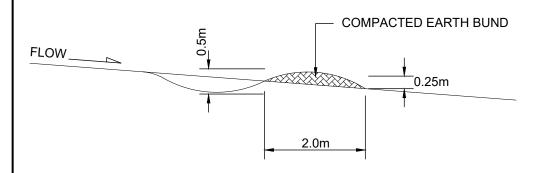
1927 - RC - EW204

DATE

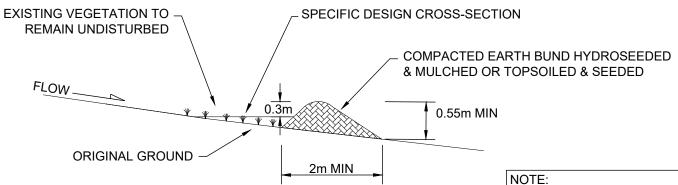
REVISION MAR 2025

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CONTOUR DE	RAIN SPACING			
SLOPE OF SITE (%)	SPACING (m) OF CONTOUR DRAINS			
LESS THAN 5%	50			
5 - 10%	40			
10 - 15%	30			
15 - 30%	20			



CONTOUR DRAIN CROSS-SECTION



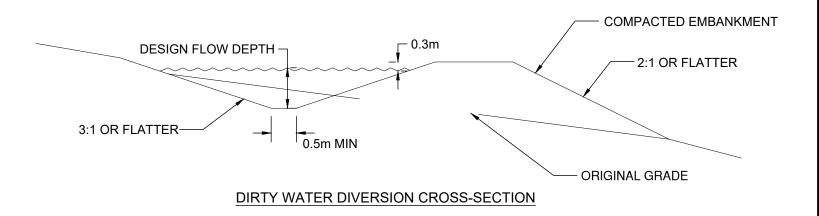
CLEAN WATER DIVERSION CROSS-SECTION

- THE DIVERSION CHANNELS SHOULD BE PARABOLIC OR TRAPEZOIDAL IN SHAPE
- ENSURE INTERNAL SIDES OF THE BUND ARE NO STEEPER THAN 3:1, AND EXTERNAL SIDES NO STEEPER THAN 2:1, AS OUTLINED BELOW

DIRTY WATER DIVERSION

FOR CONSTRUCTION AND OPERATION OF DIRTY WATER DIVERSION CHANNELS AND BUNDS:

- PLAN AND CONSTRUCT ALL DIRTY WATER DIVERSION WORKS AS PART OF THE INITIAL SITE ESTABLISHMENT/ DEVELOPMENT ACTIVITIES
- DEFINE THE ROUTE AND SURVEY IT TO ACHIEVE THE CORRECT GRADIENT
- CONSTRUCT DRAINS WITH A UNIFORM GRADE ALONG THE INVERT, AS SUDDEN DECREASES MAY CAUSE SEDIMENT TO ACCUMULATE CAUSING THE BANK TO **OVERTOP**
- ENSURE THE BUNDS ASSOCIATED WITH THE DIVERSIONS ARE WELL COMPACTED AND STABILISED. IN SOME INSTANCES, THIS MAY REQUIRE SPECIFIC GEOTECHNICAL DESIGN TO ENSURE THE STABILITY AND INTEGRITY OF THE STRUCTURE
- MONITOR DIVERSIONS FOR EROSION. SUBJECT TO THE SOILS ON SITE IT IS LIKELY THAT EROSION CONTROL WILL BE NEEDED WHERE THE GRADIENTS ARE GREATER THAN 2% OR WHERE THE DESIGN VELOCITIES EXCEED 1m/SEC
- ENSURE THE FINISHED CROSS-SECTION MEETS ALL DESIGN REQUIREMENTS
- PROVIDE AN ADEQUATE OUTLET FOR EACH DIVERSION (i.e DIRTY WATER TO A SEDIMENT CONTROL DEVICE).

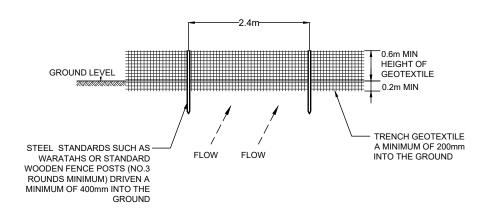


NOTE: BASED ON 0.5m WIDE BASE WITH 1:3 SIDE SLOPES

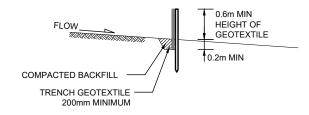
REV	. DESCF	SCRIPTION	CHECK	APP'D	DATE SCALE N.T.S		CLIENT	SITE ADDRESS	DRAWING NUMBER	
						NAME DATE	1	PROPOSED 17 LOT RESIDENTIAL SUBDIVISION	4007 DO EWOOF	
					DESIGN	MJ 03 2025	EAST COAST HEIGHTS LIMITED	53 SMALL ROAD,	1927 - RC - EW205	
					DRAWN	KC 03 2025		SILVERDALE	DATE REVISION	CONSULTING ENGINEERS
					DRAWING CHECK	MJ 03 2025			1	CONSOLINICA ENGINEERO
					DESIGN CHECK	MJ 03 2025	Conditions of Use; These drawings shall only be used for the purpose for which they were	PROPOSED EROSION &	MAR 2025 _	Ph: 09 426 6552
					APPROVED	EP 03 2025	supplied. Do not measure off this drawing. If doubt please contact Engineer.	SEDIMENT CONTROL DETAILS 2		Web: www.aspireconsulting.co.nz

Slope steepness %	Slope length (m) (maximum)	Spacing of returns (m)	Silt fence length (m) (maximum)
Flatter than 2%	Unlimited	N/A	Unlimited
2 – 10%	40	60	300
10 – 20%	30	50	230
20 – 33%	20	40	150
33 – 50%	15	30	75
> 50%	6	20	40

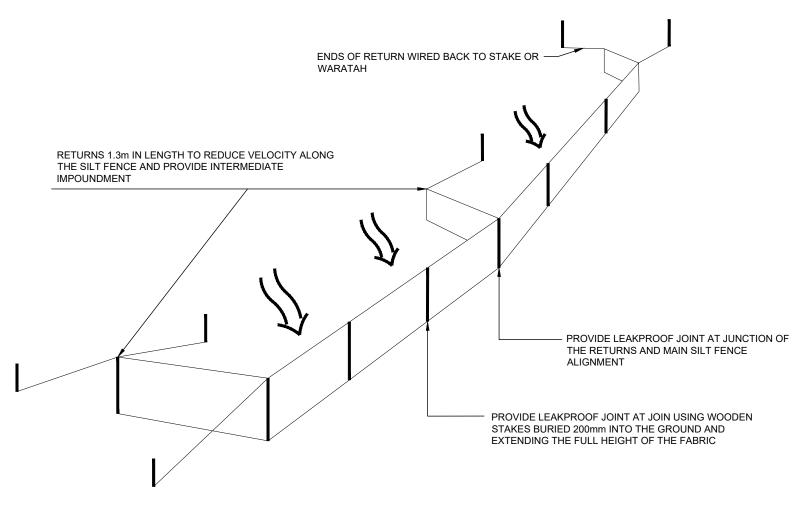
SILT FENCE DESIGN CRITERIA TABLE



SILT FENCE ELEVATION



SILT FENCE CROSS-SECTION



REV.	DESCRIPTION	CHECK	APP'D	DATE	SCALE N.T.S			CL
						NAME	DATE	l.
					DESIGN	MJ	03 2025	
					DRAWN	KC	03 2025	
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					DESIGN CHECK	MJ	03 2025	C o The
					APPROVED	EP	03 2025	sup

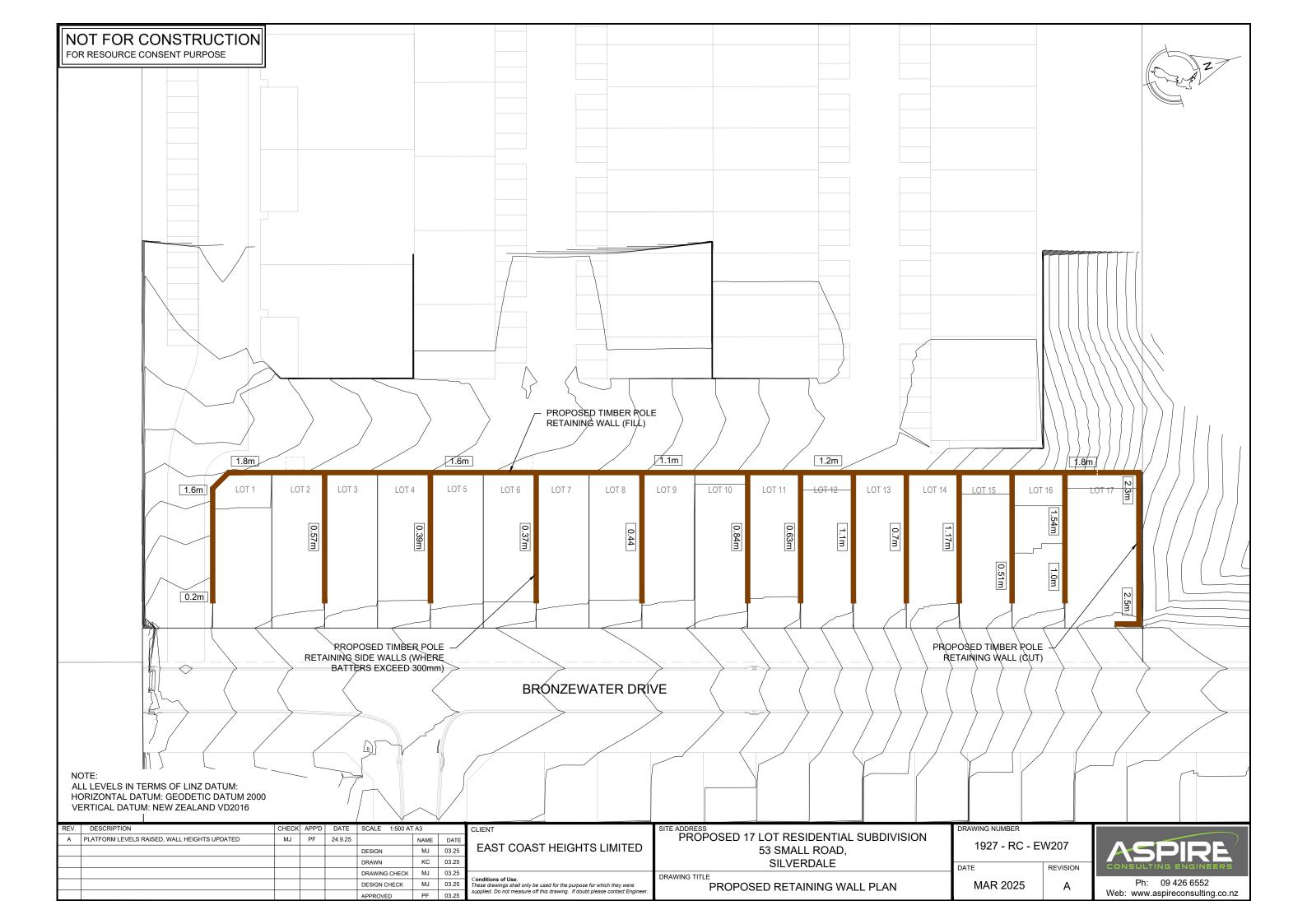
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EAST COAST HEIGHTS LIMITED
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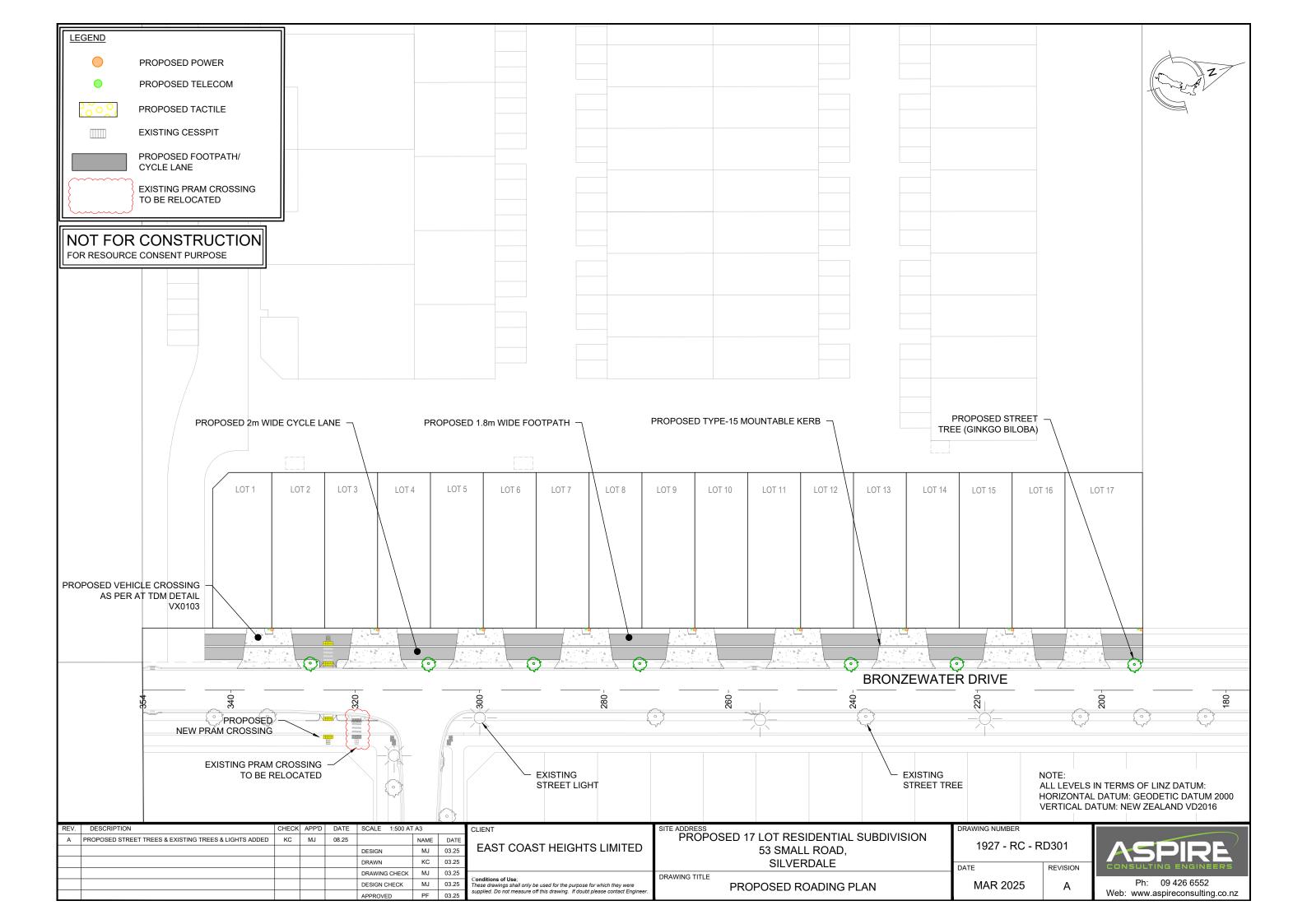
PROPOSED 17 LOT RESIDENTIAL SUBDIVI					
11101 002	53 SMALL ROAD.				
	SILVERDALE				
DRAWING TITLE	PROPOSED EROSION &				

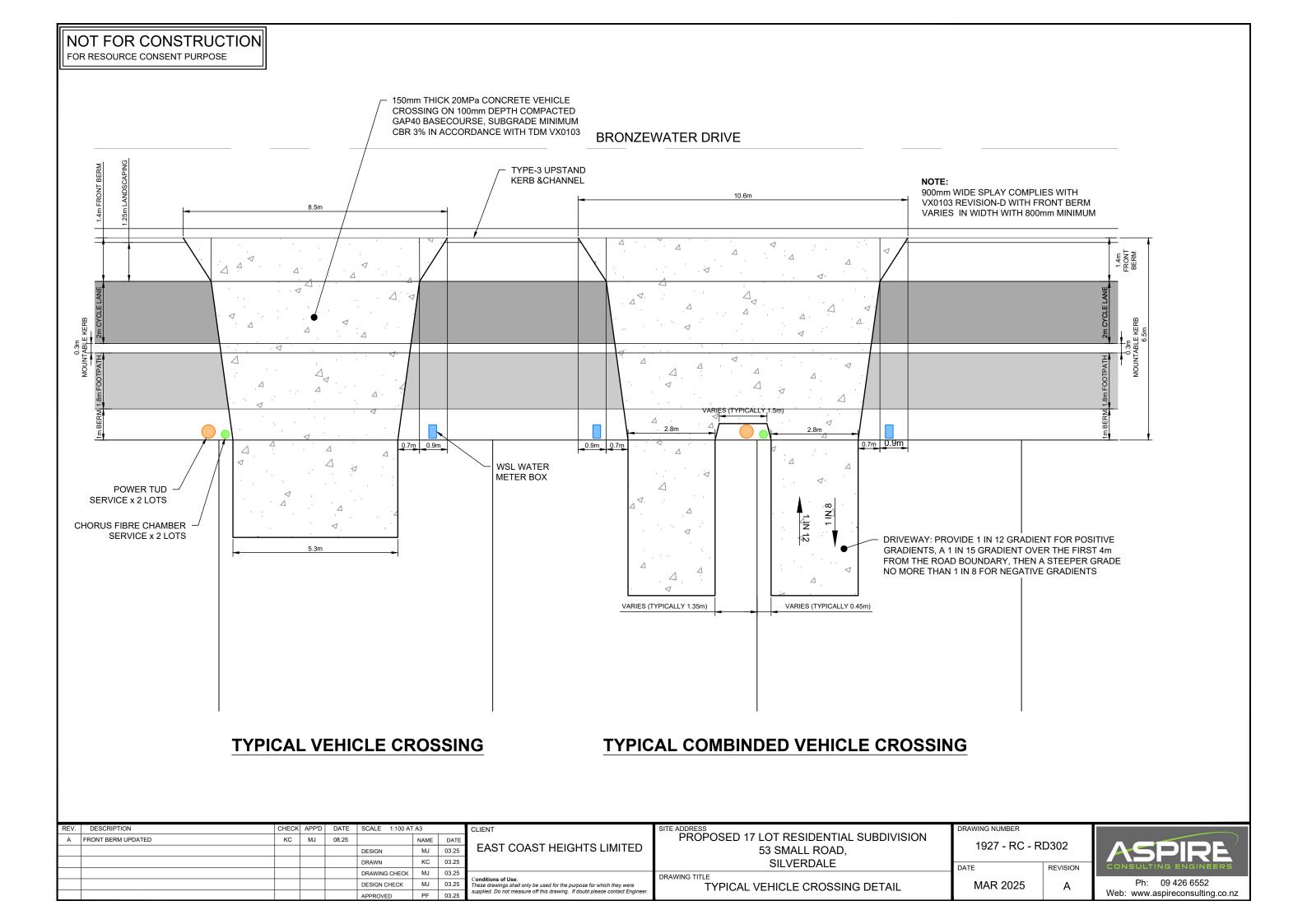
SEDIMENT CONTROL DETAILS 3

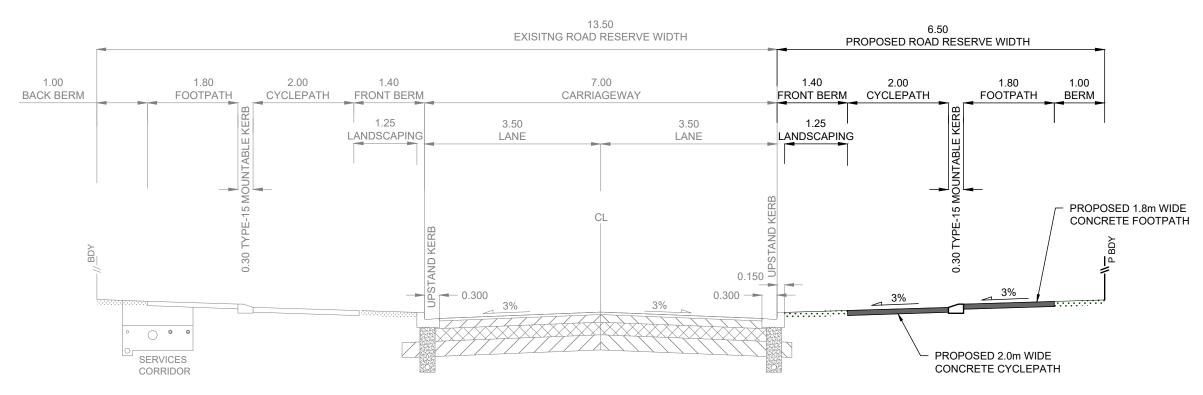
DATE	REVISION
MAR 2025	-











TYPICAL BRONZEWATER DRIVE SECTION WITH CYCLEPATH & FOOTPATH

ALL LEVELS IN TERMS OF LINZ DATUM: HORIZONTAL DATUM: GEODETIC DATUM 2000 VERTICAL DATUM: NEW ZEALAND VD2016

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	EAST COAST HEIGHTS LIMITED
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PROPOSED 17 LOT RESIDENTIAL SUBDIVISION
THE COLD IT EST RECIDENTIAL CODDITION
53 SMALL ROAD,
SILVERDALE
PAWING TITLE

PROPOSED TYPICAL ROAD CROSS SECTION PLAN

IVAWING NOWBER	
1927 - RC - R	D303
A T.C.	חבייוסו

MAR 2025

REVISION Α

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