



EX GAS PIPELINE EASEMENT

ONION ROAD

LOT 3
DP 523063

PART ALLOT
215 PSH
SA770/125
(LIMITED AS TO PARCELS)

LOT 2
DP 523063

LOT 1
DP 546273

SECTION 1
SO 473918

SECTION 2
SO 473918

SECTION 2
SO 577981
(LIMITED AS TO
PARCELS)

SECTION 26
SO 417000

SECTION 1
SO 416124
(LIMITED AS TO
PARCELS)

MANCHAMKE DRIVE (SH3)

KOURA DRIVE (SH39)

RUFFELL ROAD

TE KOWHAI ROAD (SH39)

- NOTES
1. COORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000
 2. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016.
 3. ORIGIN OF LEVELS = BP 3 SO 468570 (EMDK)
 4. PUBLISHED RL=38.59, SOURCED FROM THE LINZ DIGITAL GEODETIC DATABASE.
 5. BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 6. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.

LEGEND

- EX SITE BOUNDARY
- - - EX BDY
- - - EX MAJOR CONTOUR
- - - EX MINOR CONTOUR
- EX CULVERT

A	RESOURCE CONSENT	HN	08/2026
Rev	Revisions	By	Date
	By	Date	
Survey	MAVEN	10/2025	
Design	HN	08/2026	
Drawn	SP	08/2026	
Checked	RW	08/2026	



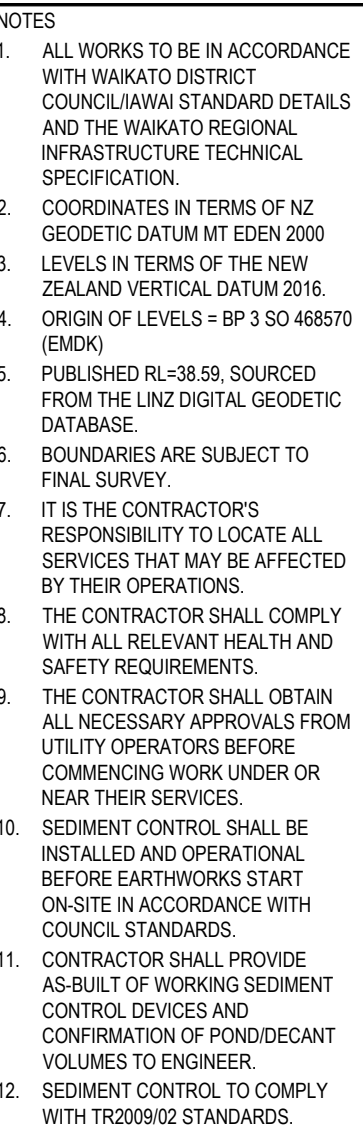
Project
**PROPOSED INDUSTRIAL
DEVELOPMENT AT
TE KOWHAI EAST
FOR TE KOWHAI EAST
LIMITED PARTNERSHIP**

Title
**EXISTING
TOPOGRAPHICAL
SURVEY PLAN**

Project no. 180010
Scale 1:4000 @ A1
Cad file 180010-C200-000-0000
Drawing no. C200

Rev A

RESOURCE CONSENT



 PR EXTENT WORK
 EX BDY
 PR MAJOR CONTOUR
 PR MINOR CONTOUR
 EX CULVERT

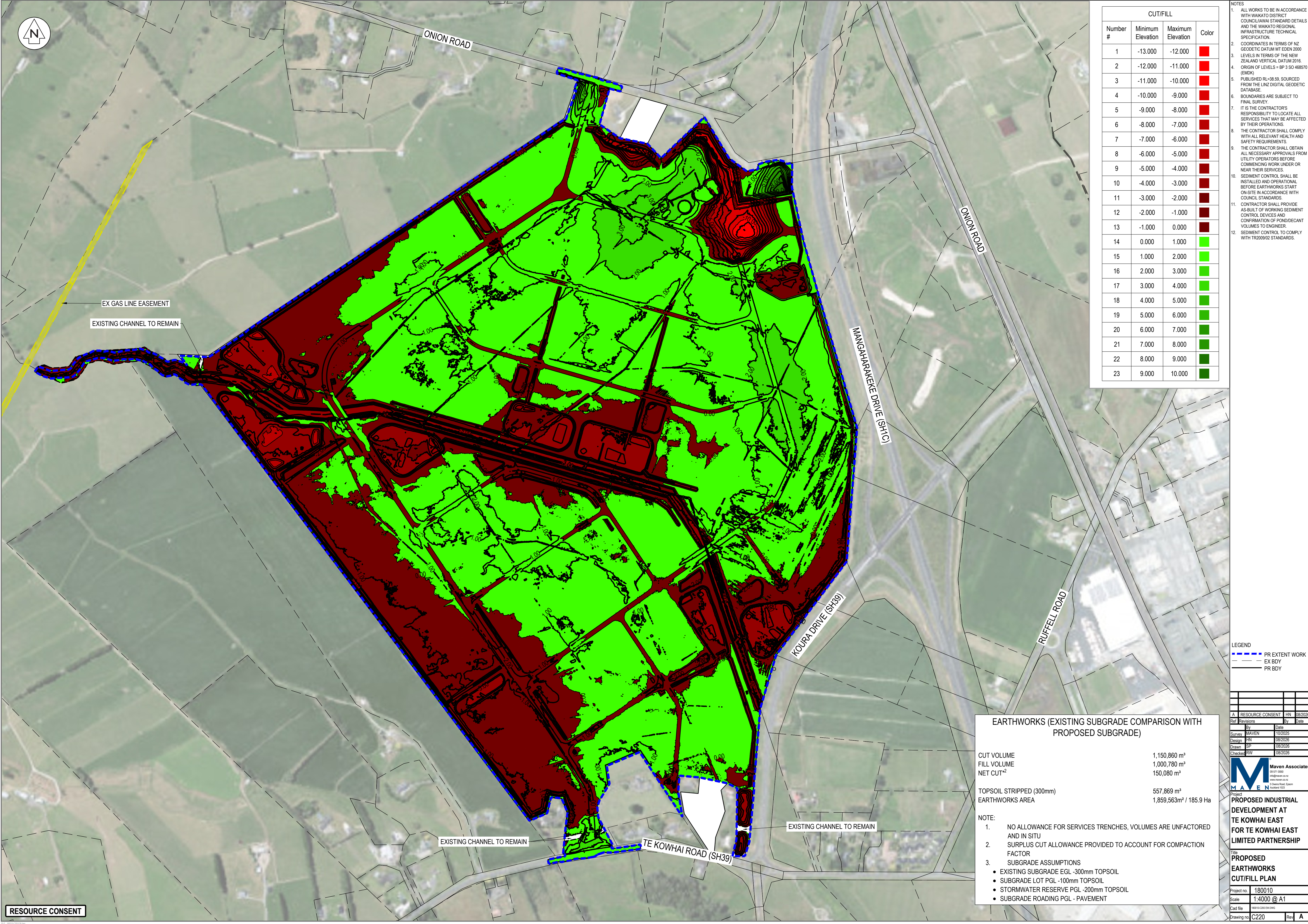
A	RESOURCE CONSENT	HN	08/2026		
Ref	Revisions	By	Date		
	By	Date			
Survey	MAVEN	10/2025			
Design	HN	08/2026			
Drawn	SP	08/2026			
Checked	RW	08/2026			



**PROPOSED INDUSTRIAL
DEVELOPMENT AT
TE KOWHAI EAST
FOR TE KOWHAI EAST
LIMITED PARTNERSHIP**

**PROPOSED
EARTHWORKS
CONTOUR PLAN**

Project no.	180010		
Scale	1:4000 @ A1		
Lead file	180010-C200 EW.DWG		
Drawing no.	C205	Rev	A



CUT/FILL			
Number	Minimum Elevation	Maximum Elevation	Color
1	-13.000	-12.000	Red
2	-12.000	-11.000	Red
3	-11.000	-10.000	Red
4	-10.000	-9.000	Red
5	-9.000	-8.000	Red
6	-8.000	-7.000	Red
7	-7.000	-6.000	Red
8	-6.000	-5.000	Red
9	-5.000	-4.000	Red
10	-4.000	-3.000	Red
11	-3.000	-2.000	Red
12	-2.000	-1.000	Red
13	-1.000	0.000	Red
14	0.000	1.000	Green
15	1.000	2.000	Green
16	2.000	3.000	Green
17	3.000	4.000	Green
18	4.000	5.000	Green
19	5.000	6.000	Green
20	6.000	7.000	Green
21	7.000	8.000	Green
22	8.000	9.000	Green
23	9.000	10.000	Green

- NOTES
- ALL WORKS TO BE IN ACCORDANCE WITH WAIKATO DISTRICT COUNCIL/IAWAH STANDARD DETAILS AND THE WAIKATO REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATION.
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 - THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS FROM UTILITY OPERATORS BEFORE COMMENCING WORK UNDER OR NEAR THEIR SERVICES.
 - SEDIMENT CONTROL SHALL BE INSTALLED AND OPERATIONAL BEFORE EARTHWORKS START ON SITE IN ACCORDANCE WITH COUNCIL STANDARDS.
 - CONTRACTOR SHALL PROVIDE AS-BUILT OF WORKING SEDIMENT CONTROL DEVICES AND CONFIRMATION OF POND/DECANT VOLUMES TO ENGINEER.
 - SEDIMENT CONTROL TO COMPLY WITH TR200902 STANDARDS.

- LEGEND
- PR EXTENT WORK
 - EX BDY
 - PR BDY

A		Resource Consent	HN	08/2026
Rev	Revisions	By	Date	
		By	Date	
Survey	MAVEN		10/2025	
Design	HN		08/2026	
Drawn	SP		08/2026	
Checked	RW		08/2026	



Project
PROPOSED INDUSTRIAL DEVELOPMENT AT TE KOWHAI EAST FOR TE KOWHAI EAST LIMITED PARTNERSHIP

Title
PROPOSED EARTHWORKS CUT/FILL PLAN

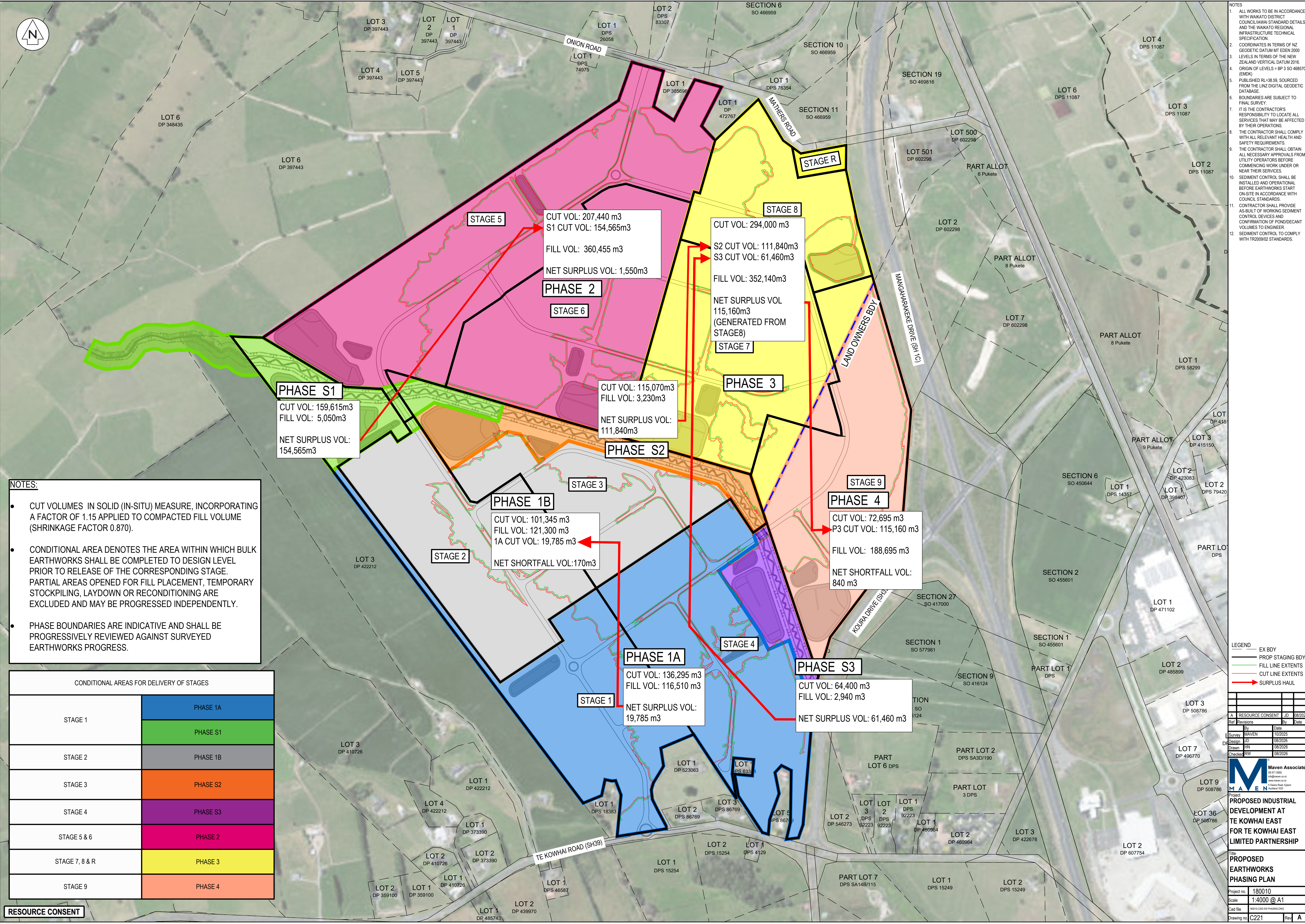
Project no	180010
Scale	1:4000 @ A1
Cad file	180010-0200-000-0000
Drawing no	C220
Rev	A

EARTHWORKS (EXISTING SUBGRADE COMPARISON WITH PROPOSED SUBGRADE)

CUT VOLUME	1,150,860 m³
FILL VOLUME	1,000,780 m³
NET CUT*2	150,080 m³

TOPSOIL STRIPPED (300mm)	557,869 m³
EARTHWORKS AREA	1,859,563m² / 185.9 Ha

- NOTE:
- NO ALLOWANCE FOR SERVICES TRENCHES, VOLUMES ARE UNFACTORED AND IN SITU
 - SURPLUS CUT ALLOWANCE PROVIDED TO ACCOUNT FOR COMPACTION FACTOR
 - SUBGRADE ASSUMPTIONS
 - EXISTING SUBGRADE EGL - 300mm TOPSOIL
 - SUBGRADE LOT PGL - 100mm TOPSOIL
 - STORMWATER RESERVE PGL - 200mm TOPSOIL
 - SUBGRADE ROADING PGL - PAVEMENT



- NOTES:**
- CUT VOLUMES IN SOLID (IN-SITU) MEASURE, INCORPORATING A FACTOR OF 1.15 APPLIED TO COMPACTED FILL VOLUME (SHRINKAGE FACTOR 0.870).
 - CONDITIONAL AREA DENOTES THE AREA WITHIN WHICH BULK EARTHWORKS SHALL BE COMPLETED TO DESIGN LEVEL PRIOR TO RELEASE OF THE CORRESPONDING STAGE. PARTIAL AREAS OPENED FOR FILL PLACEMENT, TEMPORARY STOCKPILING, LAYDOWN OR RECONDITIONING ARE EXCLUDED AND MAY BE PROGRESSED INDEPENDENTLY.
 - PHASE BOUNDARIES ARE INDICATIVE AND SHALL BE PROGRESSIVELY REVIEWED AGAINST SURVEYED EARTHWORKS PROGRESS.

CONDITIONAL AREAS FOR DELIVERY OF STAGES	
STAGE 1	PHASE 1A
	PHASE S1
STAGE 2	PHASE 1B
STAGE 3	PHASE S2
STAGE 4	PHASE S3
STAGE 5 & 6	PHASE 2
STAGE 7, 8 & R	PHASE 3
STAGE 9	PHASE 4

RESOURCE CONSENT

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 - SEDIMENT CONTROL TO COMPLY WITH TR2009/02 STANDARDS.

- LEGEND**
- EX BDY
 - PROP STAGING BDYS
 - FILL LINE EXTENTS
 - CUT LINE EXTENTS
 - SURPLUS HAUL

Rev	Revisions	By	Date
A	RESOURCE CONSENT	JD	08/2026
1	Survey	MAVEN	10/2025
2	Design	JD	08/2026
3	Drawn	RN	08/2026
4	Checked	RW	08/2026

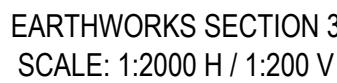
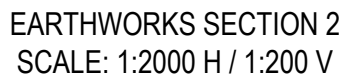
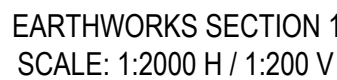


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Project
PROPOSED INDUSTRIAL DEVELOPMENT AT TE KOWHAI EAST FOR TE KOWHAI EAST LIMITED PARTNERSHIP

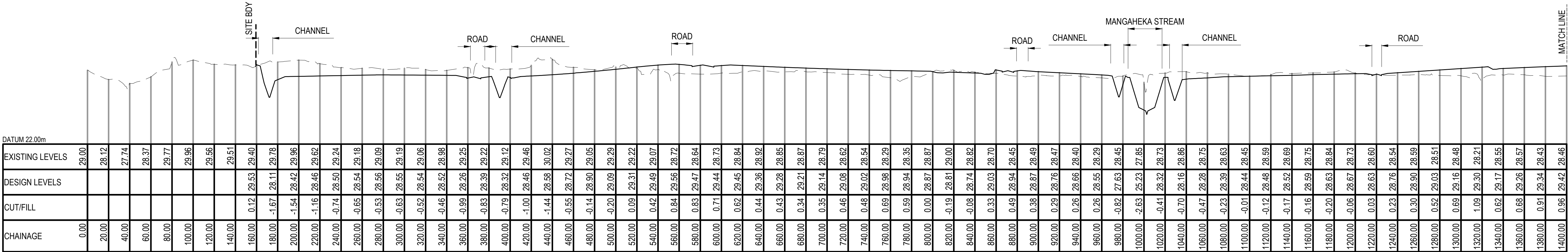
Title
PROPOSED EARTHWORKS PHASING PLAN

Project no	180010
Scale	1:4000 @ A1
Cad file	180010-020-018 PHASING.DWG
Drawing no	C221
Rev	A

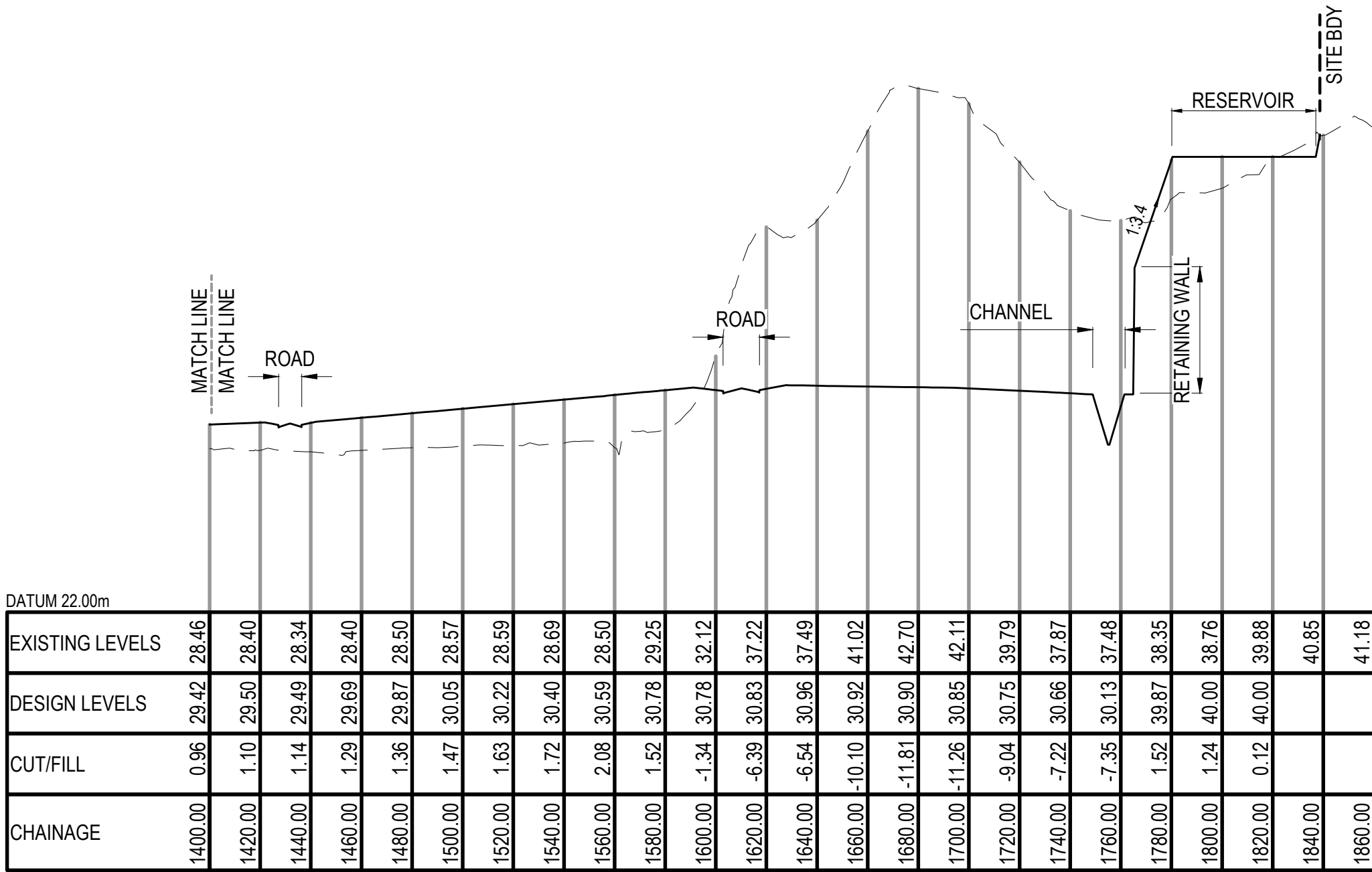


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Project no.	180010		
Scale	AS SHOWN @ A1		
Cad file	180010-C200 EW.DWG		
Drawing no	C225	Rev	A



EARTHWORKS SECTION 4
SCALE: 1:2000 H / 1:200 V



EARTHWORKS SECTION 4
SCALE: 1:2000 H / 1:200 V

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LEGEND
--- EX GROUND LEVEL
--- PR GROUND LEVEL

A	RESOURCE CONSENT	HN	08/2026
Rev	Revisions	By	Date
	By	Date	
Survey	MAVEN	10/2025	
Design	HN	08/2026	
Drawn	SP	08/2026	
Checked	RW	08/2026	



Project
PROPOSED INDUSTRIAL DEVELOPMENT AT TE KOWHAI EAST FOR TE KOWHAI EAST LIMITED PARTNERSHIP

Title
PROPOSED SITE EARTHWORKS SECTIONS

Project no.	180010
Scale	AS SHOWN @ A1
Cad file	180010-C225-01A.DWG
Drawing no.	C225-1
Rev	A