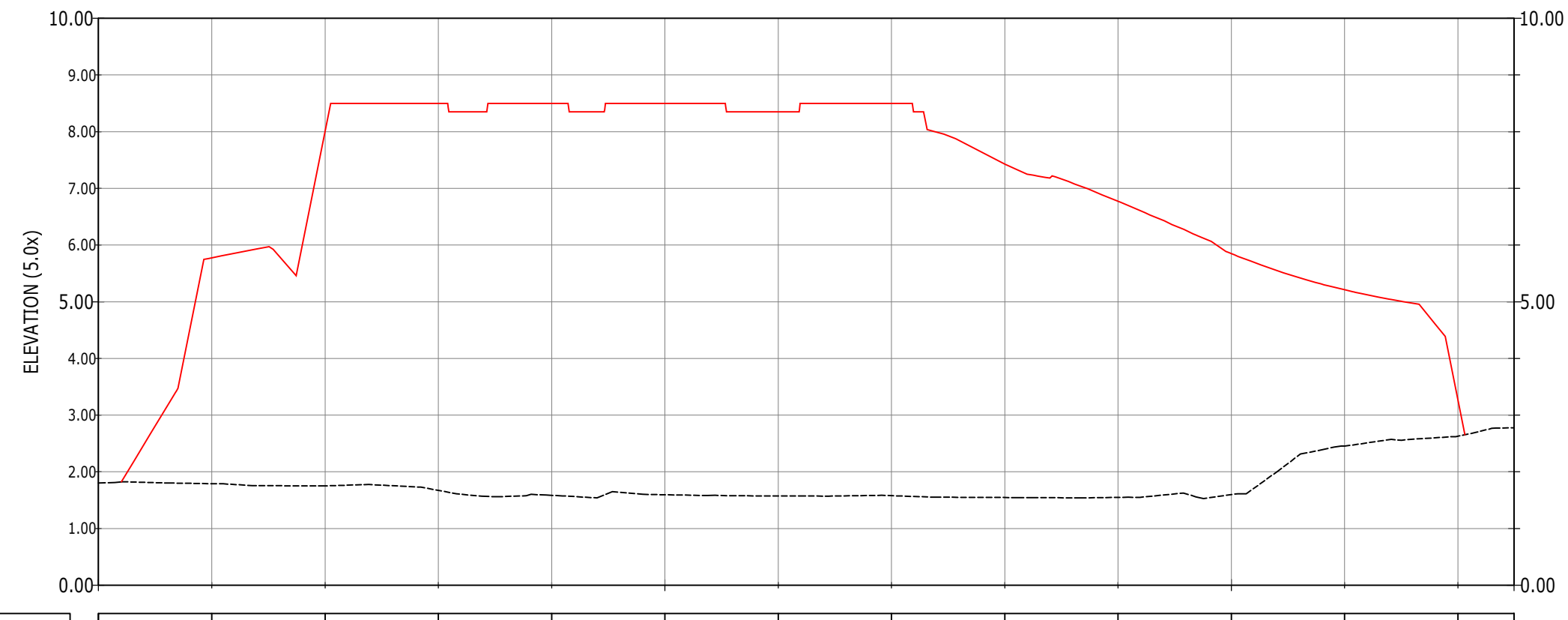
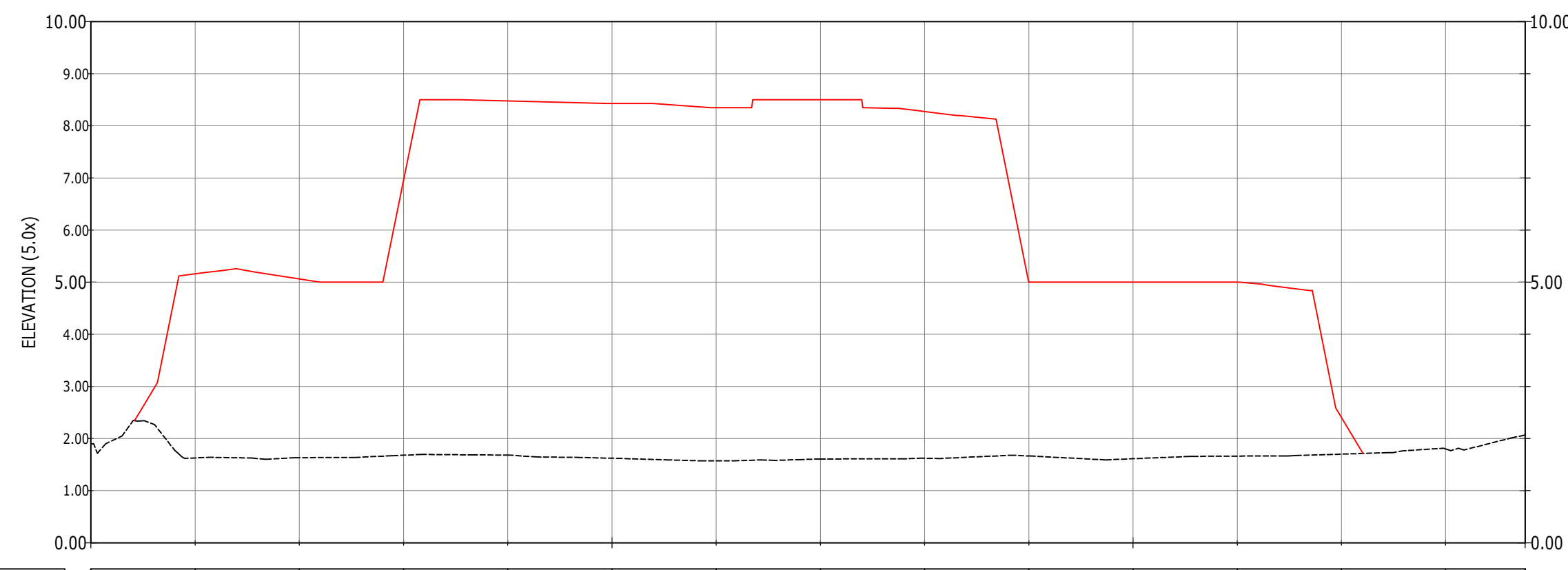


PROFILE VIEW: ZONE 1 SECTION 1
SCALE: H:500, V:100
DATUM: 0.000



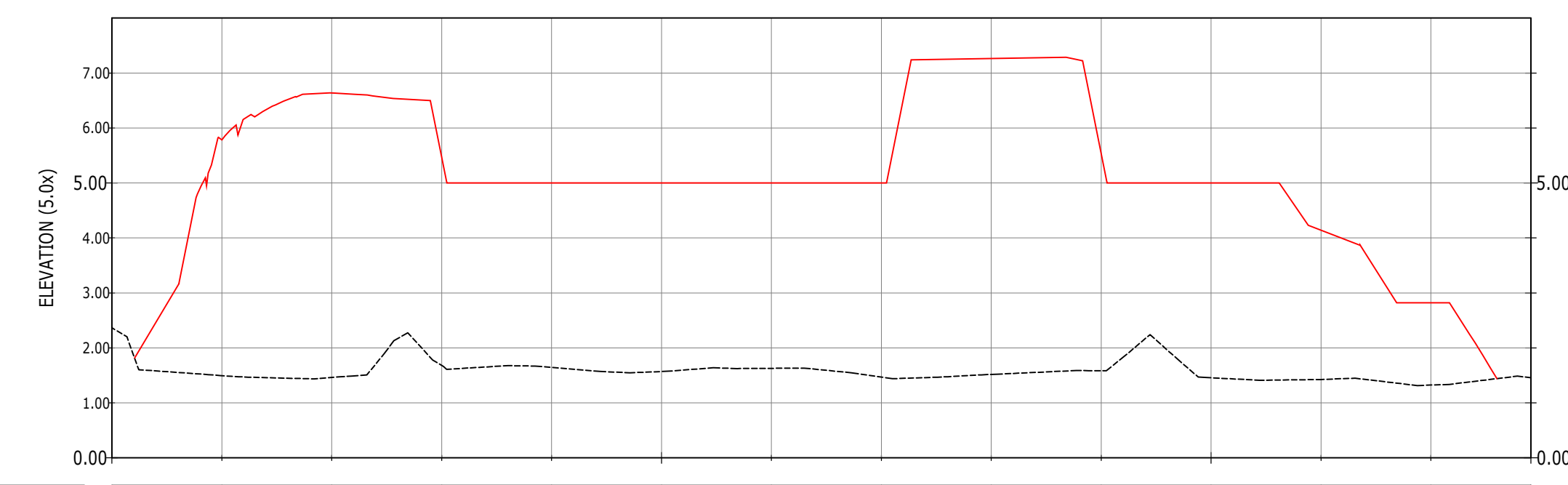
CHAINAGE	EXISTING LEVELS	HOR	SURCHARGE LEVELS	VER
0.000	1.524			
10.000	1.791		5.775	
20.000	1.751		8.005	
30.000	1.672		8.500	
40.000	1.585		8.500	
50.000	1.595		8.500	
60.000	1.575		8.350	
70.000	1.579		8.500	
80.000	1.547		7.627	
90.000	1.549		6.772	
100.000	1.597		5.848	
110.000	2.453		5.113	
120.000	2.629			
124.957	2.775			

PROFILE VIEW: ZONE 1 SECTION 2
SCALE: H:500, V:100
DATUM: 0.000



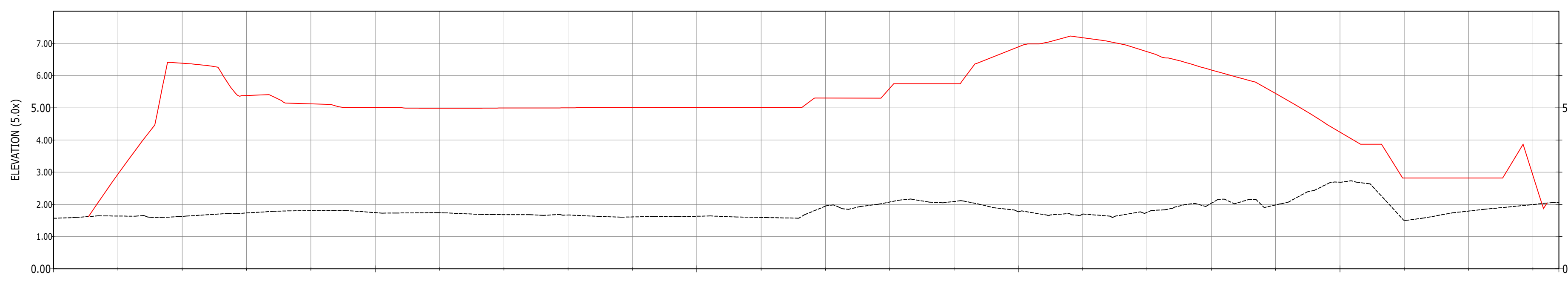
CHAINAGE	EXISTING LEVELS	HOR	SURCHARGE LEVELS	VER
0.000	1.898			
10.000	1.628		5.160	
20.000	1.633		5.061	
30.000	1.680		6.973	
40.000	1.682		8.477	
50.000	1.622		8.530	
60.000	1.573		8.330	
70.000	1.608		8.500	
80.000	1.622		8.775	
90.000	1.665		5.000	
100.000	1.612		5.000	
110.000	1.663		5.000	
120.000	1.791		2.805	
130.000	1.801			
137.622	2.066			

PROFILE VIEW: ZONE 1 SECTION 3
SCALE: H:500, V:100
DATUM: 0.000



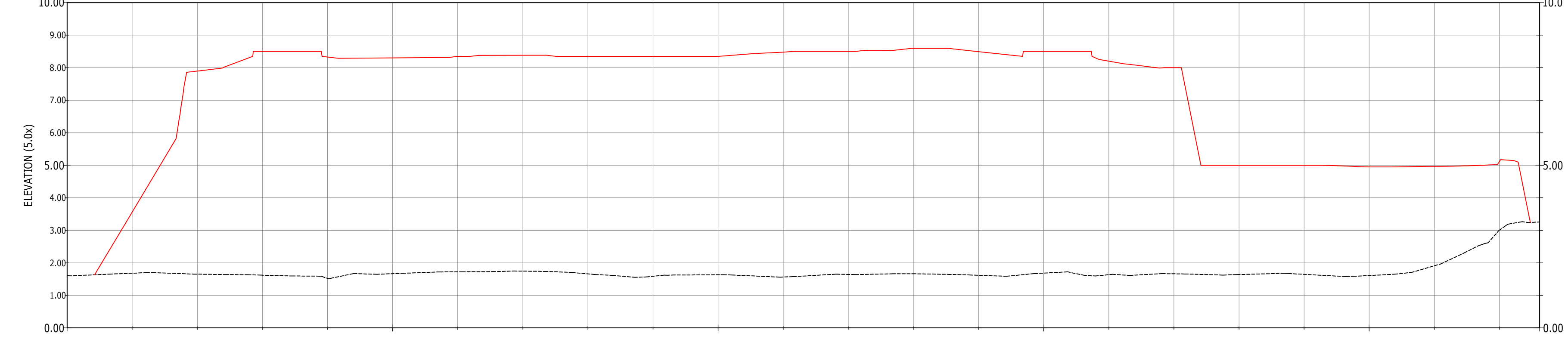
CHAINAGE	EXISTING LEVELS	HOR	SURCHARGE LEVELS	VER
0.000	2.367			
10.000	1.495		5.785	
20.000	1.463		6.637	
30.000	1.682		5.395	
40.000	1.645		5.000	
50.000	1.570		5.000	
60.000	1.629		5.000	
70.000	1.469		5.000	
80.000	1.518		7.285	
90.000	1.584		5.556	
100.000	1.455		5.000	
110.000	1.425		4.143	
120.000	1.324		2.820	
120.089	1.459			

PROFILE VIEW: ZONE 1 SECTION 4
SCALE: H:500, V:100
DATUM: 0.000



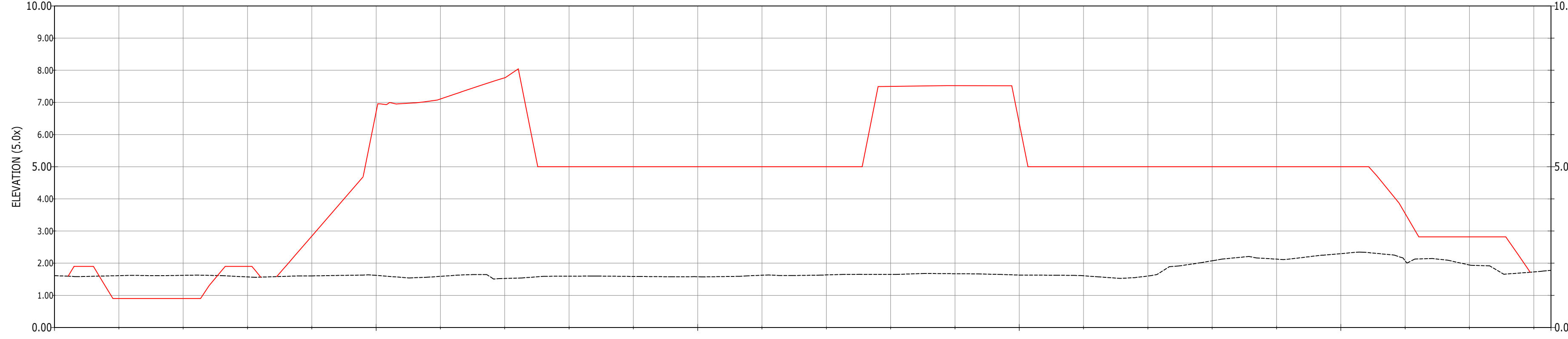
CHAINAGE	EXISTING LEVELS	HOR	SURCHARGE LEVELS	VER
0.000	1.530			
10.000	1.640		2.928	
20.000	1.628		6.386	
30.000	1.735		5.383	
40.000	1.807		5.174	
50.000	1.746		5.010	
60.000	1.744		4.987	
70.000	1.684		4.995	
80.000	1.671		5.001	
90.000	1.612		5.006	
100.000	1.633		5.014	
110.000	1.595		5.010	
120.000	1.547		5.302	
130.000	2.015		5.668	
140.000	2.092		5.750	
150.000	1.769		6.892	
160.000	1.699		7.179	
170.000	1.733		6.745	
180.000	2.058		5.174	
190.000	1.984		5.446	
200.000	2.692		4.246	
210.000	1.509		2.820	
220.000	1.794		2.820	
230.000	1.997		2.906	
224.047	2.053			

PROFILE VIEW: ZONE 1 SECTION 5
SCALE: H:500, V:100
DATUM: 0.000



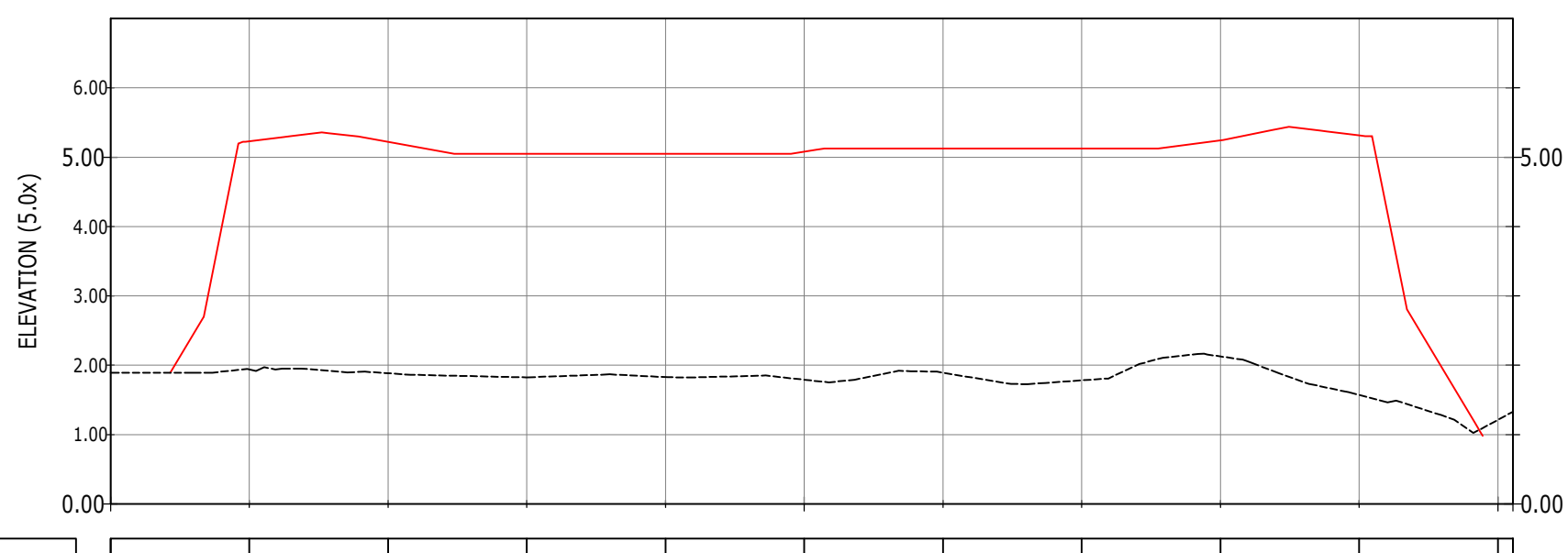
CHAINAGE	EXISTING LEVELS	HOR	SURCHARGE LEVELS	VER
0.000	1.605			
10.000	1.682		3.559	
20.000	1.653		7.896	
30.000	1.621		8.500	
40.000	1.521		8.330	
50.000	1.668		8.303	
60.000	1.725		8.350	
70.000	1.745		8.380	
80.000	1.662		8.350	
90.000	1.588		8.350	
100.000	1.635		8.350	
110.000	1.555		8.477	
120.000	1.645		8.500	
130.000	1.665		8.955	
140.000	1.618		8.491	
150.000	1.685		8.500	
160.000	1.635		8.203	
170.000	1.664		8.001	
180.000	1.641		5.000	
190.000	1.646		5.000	
200.000	1.611		4.952	
210.000	1.510		4.965	
220.000	3.005		5.117	
226.170	3.256		3.331	

PROFILE VIEW: ZONE 1 SECTION 6
SCALE: H:500, V:100
DATUM: 0.000



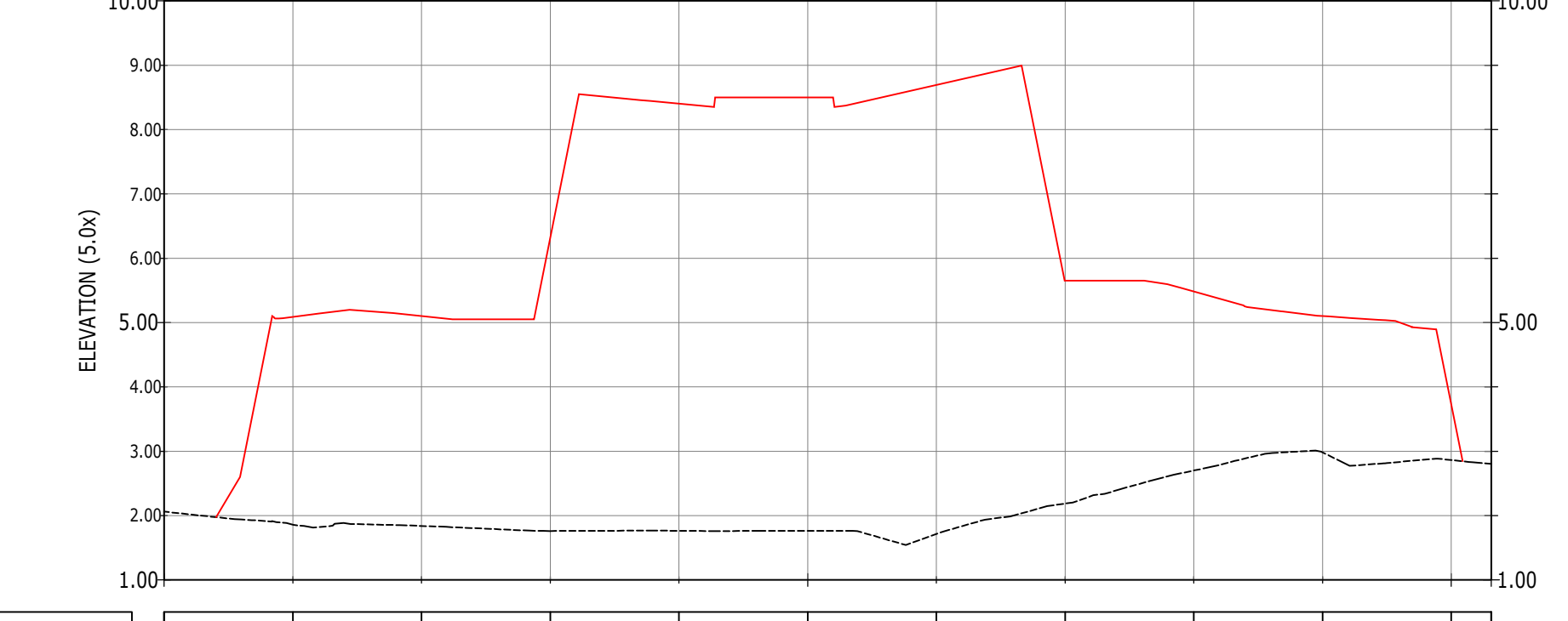
CHAINAGE	EXISTING LEVELS	HOR	SURCHARGE LEVELS	VER
0.000	1.611			
10.000	1.612		0.900	
20.000	1.622		0.900	
30.000	1.572		1.900	
40.000	1.605		2.814	
50.000	1.621		6.567	
60.000	1.591		7.107	
70.000	1.524		7.766	
80.000	1.595		5.000	
90.000	1.588		5.000	
100.000	1.578		5.000	
110.000	1.625		5.000	
120.000	1.624		5.000	
130.000	1.651		7.497	
140.000	1.673		7.524	
150.000	1.629		6.320	
160.000	1.609		5.000	
170.000	1.601		5.000	
180.000	2.075		5.000	
190.000	2.126		5.000	
200.000	2.297		5.000	
210.000	2.073		3.548	
220.000	1.944		2.820	
230.000	1.726			
232.681	1.776			

PROFILE VIEW: ZONE 2 SECTION 1
SCALE: H:500, V:100
DATUM: 0.000



CHAINAGE	EXISTING LEVELS	HOR	SURCHARGE LEVELS	VER
0.000	1.893			
10.000	1.940		5.229	
20.000	1.885		5.221	
30.000	1.826		5.050	
40.000	1.829		5.050	
50.000	1.791		5.080	
60.000	1.892		5.125	
70.000	1.782		5.125	
80.000	2.117		5.243	
90.000	1.572		5.314	
100.000	1.712			

PROFILE VIEW: ZONE 2 SECTION 2
SCALE: H:500, V:100
DATUM: 1.000



CHAINAGE	EXISTING LEVELS	HOR	SURCHARGE LEVELS	VER
0.000	2.061			
10.000	1.856		5.089	
20.000	1.838		5.100	
30.000	1.760		6.430	
40.000	1.763		8.402	
50.000	1.752		8.100	
60.000	1.712		8.693	
70.000	2.185		5.650	
80.000	2.700		5.482	
90.000	2.984		5.100	
100.000	2.863		3.761	
103.196	2.802			

- NOTES
- DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
 - ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
 - DRAWING HAS BEEN BASED UPON TOPOGRAPHICAL SURVEY SURV2154 PRODUCED BY COUNTRYSIDE PROPERTIES DATED 07.11.17.
 - DRAWING HAS BEEN BASED ON SITE LAYOUT 1506-P-04 BY MCLAN ARCHITECTURAL RECEIVED 05.03.2019.
 - NO WORK ASSUMED TO LEVELS IN VICINITY OF THE ICE HOUSE.
- EARTHWORKS NOTES:
- WHERE NECESSARY ALL EXCAVATED MATERIAL THAT IS NOT REUSED SHALL BE DISPOSED OF AT AN APPROVED TIP OFF-SITE.
 - ALL VOLUMES INDICATED ARE A SOLID MEASURE AND NO BULKING FACTOR HAS BEEN ALLOWED FOR.
 - ALL EARTHWORKS VOLUMES AND LEVELS SHOWN ARE FOR GUIDANCE ONLY AND SHOULD BE INDEPENDENTLY VERIFIED BY THE CONTRACTOR.
 - ALL WORKS TO BE UNDERTAKEN IN STRICT ACCORDANCE WITH THE APPROVED EARTHWORKS SPECIFICATION PRODUCED BY THE CONTRACTOR OR GEOTECHNICAL CONSULTANT.
 - NO ALLOWANCES HAVE BEEN MADE FOR CONTAMINATED SOIL. CONTAMINATION LEVELS ARE TO BE CONFIRMED FOLLOWING GEOTECHNICAL INVESTIGATION.
 - FORMATION DEPTHS, GROUNDWORKS VOLUMES AND PROPOSED LEVELS ARE ESTIMATED ONLY AND ARE SUBJECT TO DETAILED DESIGN.
- CDM NOTES:
- THE ATTENTION OF THE CLIENT AND THE PRINCIPAL CONTRACTOR IS DRAWN TO THE FOLLOWING POTENTIAL RISKS IN CONJUNCTION WITH THE PROPOSED ON-SITE AND OFF-SITE WORKS AS DESIGNED FOR THIS PROJECT:
 - WORKS IN THE VICINITY OF LIVE SERVICES WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
 - WORKS WITHIN AND ABUTTING THE EXISTING HIGHWAY WILL ENTAIL TRAFFIC HAZARDS AND ALL APPROPRIATE SAFETY MEASURES INCLUDING BARRIERS, SIGNS AND LIGHTING MUST BE UNDERTAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE.
 - HAZARDOUS MATERIALS INCLUDING CEMENT AND BITUMINOUS MATERIALS ARE SPECIFIED AND THE MANUFACTURER'S ADVICE ON SAFE HANDLING PROCEDURES MUST BE OBTAINED AND MADE CLEAR TO ALL OPERATIVES.
 - THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES WITHIN THE VICINITY OF THE WORKS AND ENSURE THESE ARE PROTECTED THROUGHOUT THE DURATION OF THE WORKS. ALL UTILITY PLANT SHOULD BE CLEARLY MARKED ON THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
 - THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.

KEY:
 PROPOSED TEMPORARY SURCHARGE LEVEL
 EXISTING GROUND LEVEL

THESE LONG-SECTIONS COMPARE THE EXISTING GROUND LEVEL (INDICATED BY THE BLACK DASHED LINE) AND THE PROPOSED TEMPORARY LEVEL OF THE SURCHARGE MATERIAL (INDICATED BY THE RED LINE). THE LEVEL OF THE SURCHARGE MATERIAL IS BASED ON THE PROPOSED PERMANENT FINISHED LEVEL PLUS 2 METRES. WHERE RETAINING WALLS WILL FORM PART OF THE PROPOSED PERMANENT LEVELS DESIGN, THE SURCHARGE MATERIAL WILL BE TEMPORARILY BATTERED AT A SLOPE OF 1 IN 1 (45 DEGREES) AS RECOMMENDED BY THE GEOTECHNICAL CONSULTANT, IDOM.

THE PROPOSED PERMANENT FINISHED LEVELS ARE TO BE AGREED SEPARATELY AS PART OF THE DISCHARGE OF CONDITION 8.

PLEASE NOTE THAT FOR CLARITY THE VERTICAL SCALE OF THESE LONG-SECTIONS HAS BEEN MULTIPLIED BY A FACTOR OF 5. LEVEL CHANGES MAY THEREFORE APPEAR MORE ABRUPT THAN WILL BE THE CASE ON-SITE.

PRELIMINARY
FOR INFORMATION ONLY

Rev	Description	MSL	CHK	App	Date
01	IN (BATTER SLOPES INCLUDED), EXPLANATORY NOTE INCLUDED				08/11/22
02	Rev Description				

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 Third Floor
 The Helix Building
 52-56 Leadenhall Street
 London
 EC3M 5JE

Client: **BELLWAY HOMES LTD (ESSEX)**

Project Title: **SHOEBURY GARRISON**

Drawing Title: **CUT & FILL LONGSECTIONS (SHEET 1 OF 3)**

AO Scale: 1:500 Date: 08.06.22 Designed by: DSR
 Drawn by: DSR Checked by: MSL Approved by: JEC
 Drawing Number: **2105160-141** Rev: **P1**

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