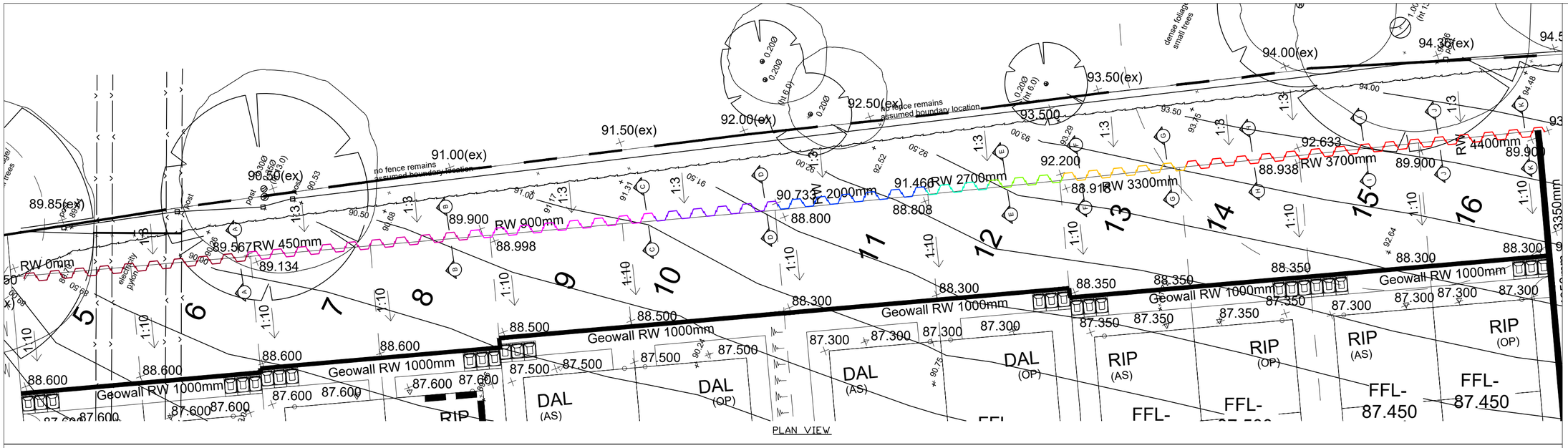
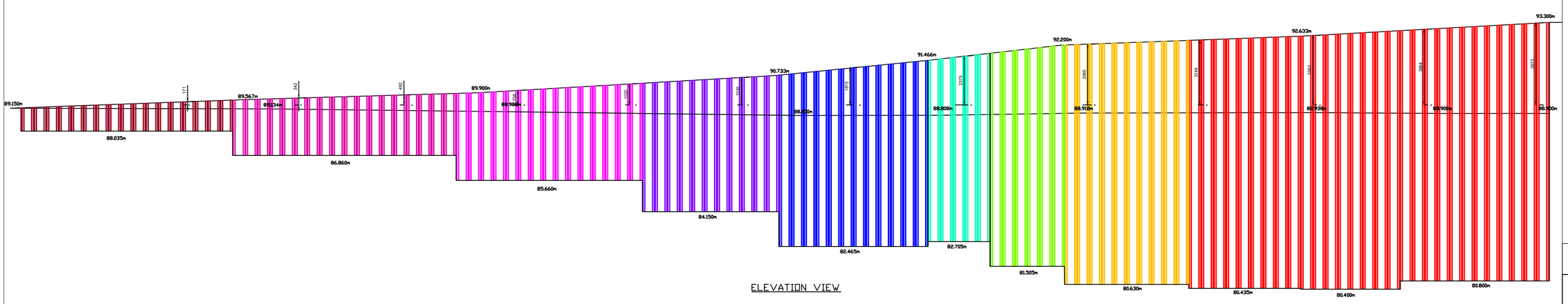
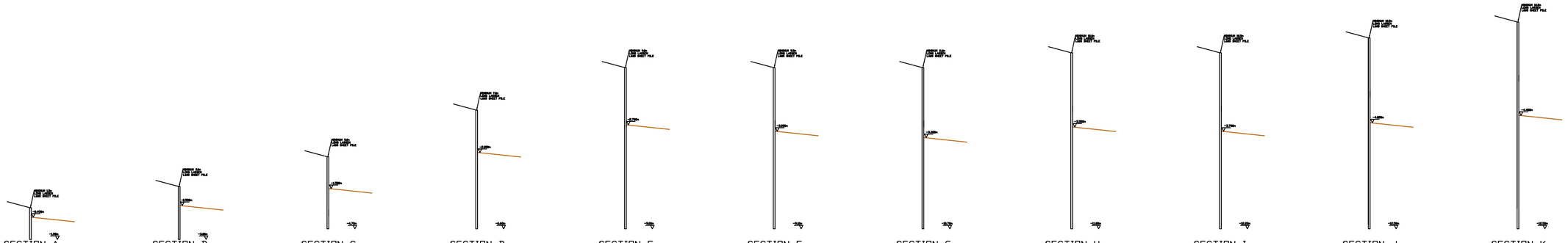


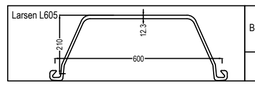
PLAN VIEW



ELEVATION VIEW

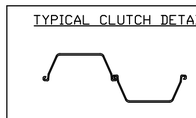


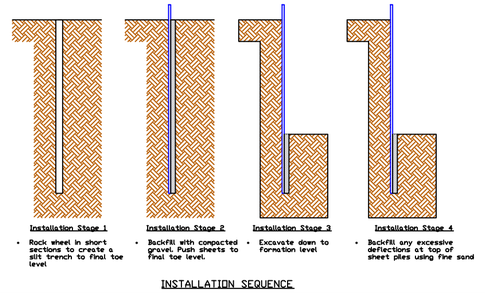
SHEET PILE SCHEDULE				
KEY	NUMBER OF SHEETS	SHEET LENGTH	MAX. RETAINED HEIGHT	WEIGHT PER SHEET
	29	12.50m	4.40m	1026.5kg
	10	12.00m	3.50m	985.2kg
	6	11.00m	3.30m	903.1kg
	5	9.50m	3.00m	780.0kg
	12	9.00m	2.70m	738.9kg
	11	7.00m	2.00m	574.7kg
	15	5.00m	1.50m	410.5kg
	18	3.00m	0.90m	246.3kg
	18	1.50m	0.45m	123.2kg



Working Bending Moment (kNm/m)	Section Modulas (cm^3/m)	Moment of Inertia (cm^4/m)	Weight per Metre (kg/m)	Weight per Straight Metre (kg/m^2)
430	2021	42433	82.1	136.8

TYPICAL CLUTCH DETAIL





INSTALLATION SEQUENCE

General Notes:

1. Do not scale from this drawing.
2. All dimensions are in millimeters unless noted otherwise.
3. This drawing has been prepared with reasonable skill and care from the information supplied to us by the client, the client to ensure all the assumed loading, dimensions and dig level, installation and extraction are correct.
4. C.D.S Ltd. accept no responsibility or liability for amendments or alterations made to this drawing without the consent of design engineer.
5. This drawing to be read in conjunction with all other relevant drawings and documentation.
6. All work equipment must be installed by a competent and experienced contractor familiar with this type of works.
7. All works to be properly supervised, with personal provided with safe working platforms (as required).
8. All equipment to be installed in accordance with the manufacturer's recommendations.
9. Designs where the soil is disturbed will result in ground movements (Lateral / Settlement), C.D.S Ltd will accept no responsibility for the consequences of this effect on any surrounding infrastructure within the vicinity of the excavation, therefore the customer is to monitor the excavation and the surrounding area for any signs of movement throughout the work.
10. A general design surcharge of 10kN/m² for site traffic up to 30T loaded weight.
11. The soil profile has been taken as per SI Report: GEOL24-6909. If the customer finds the excavated soil is different than Boreholes, C.D.S Ltd. must be informed immediately for an assessment on the design.
12. The sheet piling retaining wall is designed in accordance with CIRIA R104. Stability verified with a minimum Factor of Safety of 2.0.
13. Follow the construction sequence as provided on the drawing.
14. Sheet piles have a design life of 60 years.
15. Ensure the pile toe reaches the specified depth stated on the drawing.
16. Weep holes shall be installed at level shown at every 10th sheet to relieve hydrostatic pressure. Filter fabic to be used to prevent soil infiltration.
17. Implement safety measures to protect workers during pile driving, including PPE and noise reduction methods.
18. This design does not cover any risk of falls from height in the permanent case. Contractor is to implement an effective means of prevention i.e. fencing.
19. An allowance of 10% has been considered for accidental overdig.

REV.	REVISIONS DETAILS	DR.	DATE
D	Overdig allowance	OC	07/11/24
C	Note Changes Installation Sequence	OC	29/10/24
B	Weep Hole Locations & Installation Sequence	OC	28/10/24
A	Construction Design	OC	25/10/24

C.D.S LTD

Tittle:
Sheet Pile Retaining Wall

Contract:
Fenay Bridge

Client:
Alfa Site Services

DRG. STATUS:
PRELIMINARY ISSUE

Paper Size:	Scale:	Designed By:	Drawn By:	Checked By:
A2	NTS	OC	OC	AL

Internal Reference Number: 24219
Date: 07/11/24

Drawing Number: 24219-PS-XX-XX-DR-Y-0001
Issue: D