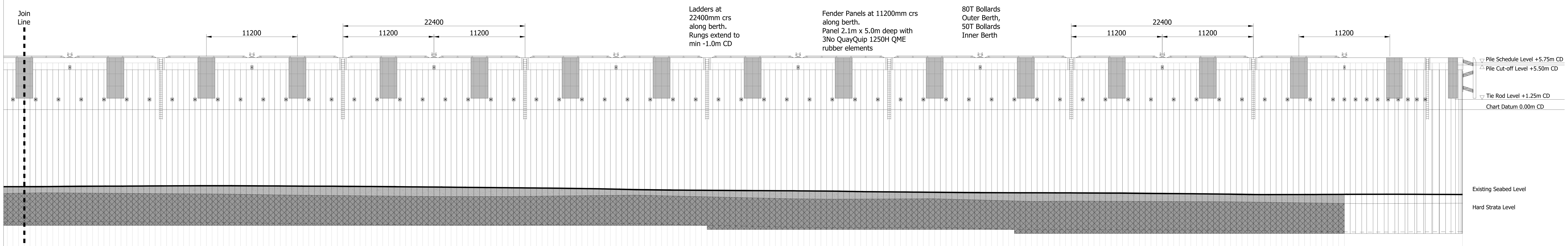
Pile Number	Seabed Level (C.D.)	Hard Strata Level (C.D.)	Pile Length & Toe Level	Pile Type & Drive Method
AB 001 – AB 010			AZ52-700, Length 18.50m; 10No piles / 5 pairs	Piling Hammer to required Set (no pre-treatment)
AB 001	-10.10	-11.44		
AB 010	-10.05	-11.40		
AB 011 – AB 052			Length 21.00m (42 piles / 21 pairs) Pile Toe Level -15.25m CD	Arcelor Mittal AZ52-700 (AmLoCor 320 Blue): Piles driven into min 3.50m deep pre-treated drill and blasted shock treatment trench
AB 020	-10.05	-11.36		
AB 030	-9.98	-11.30		
AB 040	-9.905	-11.24		
AB 050	-9.89	-11.18		
AB 053 – AB 108			Length 20.50m (56 piles / 28 pairs) Pile Toe Level -14.75m CD	
AB 060	-9.88	-11.12		
AB 070	-9.82	-11.06		
AB 080	-9.80	-10.95		
AB 090	-9.80	-10.84		
AB 100	-9.77	-10.75		
AB 109 – AB 324			Length 20.00m (216 piles / 108 pairs) Pile Toe Level -14.25m CD	Arcelor Mittal AZ52-700 (AmLoCor 320 Blue): Piles driven into min 3.50m deep pre-treated drill and blasted shock treatment trench
AB 110	-9.73	-10.65		
AB 120	-9.73	-10.56		
AB 130	-9.73	-10.57		
AB 140	-9.71	-10.58		
AB 150	-9.67	-10.56		
AB 160	-9.63	-10.55		
AB 170	-9.63	-10.53		
AB 180	-9.62	-10.48		
AB 190	-9.54	-10.41		
AB 200	-9.48	-10.32		
AB 210	-9.46	-10.24		



Pile Number	Seabed Level (C.D.)	Hard Strata Level (C.D.)	Pile Length & Toe Level	Pile Type & Drive Method
AB 201 – AB 324				tment trench
AB 210	-9.46	-10.24		
AB 220	-9.42	-10.28		
AB 230	-9.28	-10.33		
AB 240	-9.37	-10.38		
AB 250	-9.39	-10.49		
AB 260	-9.43	-10.56		
AB 270	-9.48	-10.63		
AB 280	-9.54	-10.68		
AB 290	-9.61	-10.69		
AB 300	-9.68	-10.61		
AB 310	-9.80	-10.53		
AB 320	-9.91	-10.64		
AB 325 – AB 378			Length 20.50m (54 piles / 27 pairs) Pile Toe Level -14.75m CD	Arcelor Mittal AZ52-700 (AmLoCor 320 Blue): Piles driven into min 3.50m deep pre-treated drill and blasted shock treatment trench
AB 330	-9.95	-10.80		
AB 340	-9.99	-10.96		
AB 350	-10.06	-11.01		
AB 360	-10.14	-10.97		
AB 370	-10.20	-11.06		
AB 379 – AB 436			Length 21.00m (58 piles / 29 pairs) Pile Toe Level -15.25m CD	
AB 380	-10.23	-11.25		
AB 390	-10.25	-11.26		
AB 400	-10.29	-11.29		
AB 410	-10.35	-11.32		
AB 420	-10.43	-1136		
AB 430	-10.44	-11.46		
AB 436	-10.43	-11.52		

ORKNEY ISLANDS COUNCIL
ORKNEY LOGISTICS BASE, HATSTON
PHASE 2 WORKS
PILING ELEVATION - MAIN BERTHING FACE

Scale 1: 200

2 0 2 4 6 8 10 12 14 16 18 20m

SCALE 1:200 at A1

Chart Datum (Kirkwall)	Ordnance Datum (Newlyn)	Quay Heights and Tide Data Hatston Pier, Kirkwall
+6.40m	+5.00m	Quay Edge Level
+3.00m	+1.60m	Mean High Water Spring Tides
+1.40m	0.00m	Ordnance Datum (Newlyn)
+0.60m	-0.80m	Mean Low Water Spring Tides
0.00m	-1.40m	Chart Datum (Kirkwall)
-5.00m	-6.40m	
-7.50m	-8.90m	
-10.00m	-11.40m	

REV	DATE	REVISION	DRN	CHK
P1	21:02:2023	Preliminary Issue P1 for comment	JJM	

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ORKNEY ISLANDS COUNCIL Harbour Authority

Orkney Logistics Base, Hatston, Orkney

Consenting Process
Phase 2 Works: Piling Elevation - Main Berth

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Environmental services
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DRAWN :	DATE :	CHECKED :	APPROVED :
JJM	February 2023	SSJ	APS

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