

**NOTES**

- DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.

DRAWING NO.	REFERENCE
	REFERENCE DRAWINGS

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
Z	AS-BUILT	LAV	J.G	HOW	2013-04-23
1	3 CRANE BEAMS (181 TO 20) ADDED	LAV	J.G	HOW	2012-10-22
0	ISSUED FOR CONSTRUCTION	LAV	J.G	HOW	2012-05-30
X	ISSUED FOR TENDER	MCC	J.G	HOW	2012-02-28

**REVISIONS**

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DRAWING NO: RCE-346-CB-01 Sh. 14 Rev. Z

TITLE	NAME	SIGN	DATE
OPERATING DIVISIONS			
PR. ENG. / PR. TECH. / PR. ARCH			
NAME	H. de VET		
DATE			
SIGNATURE			
SCALE	1:200		

TITLE	NAME	SIGN	DATE
DRAWN	MCC		12 02 21
CHECKED	J.G		12 06 09
DESIGNED	HOW		
CHECKED	J.G		

**Transnet Capital Projects**

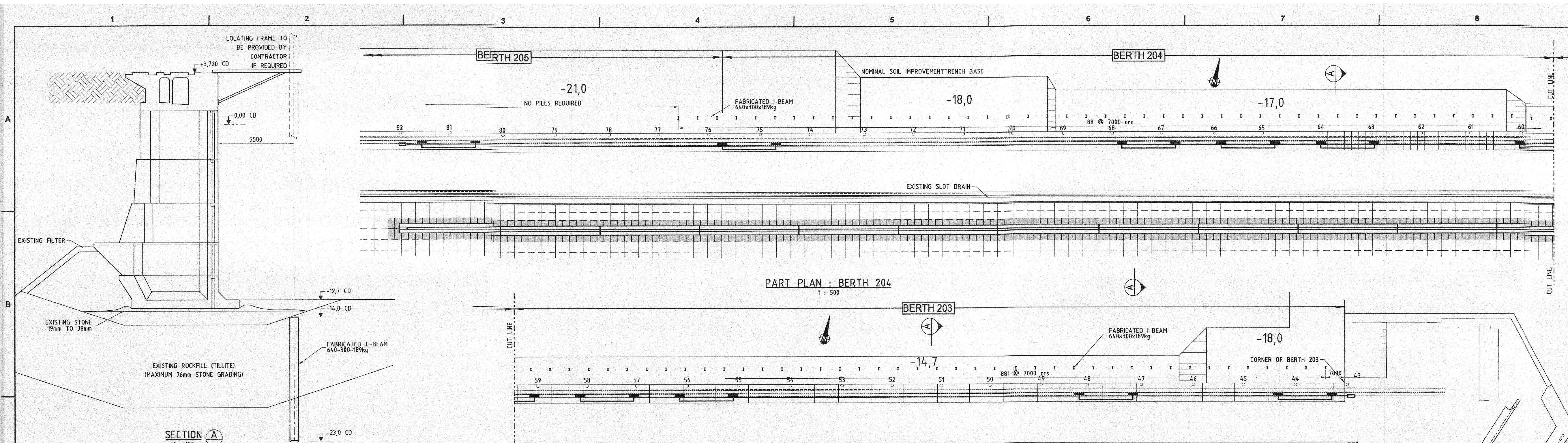
237 MAHATMA GANDHI ROAD, DURBAN. TEL: 031 361 1999. FAX: 031 361 1995

**PORT OF DURBAN**

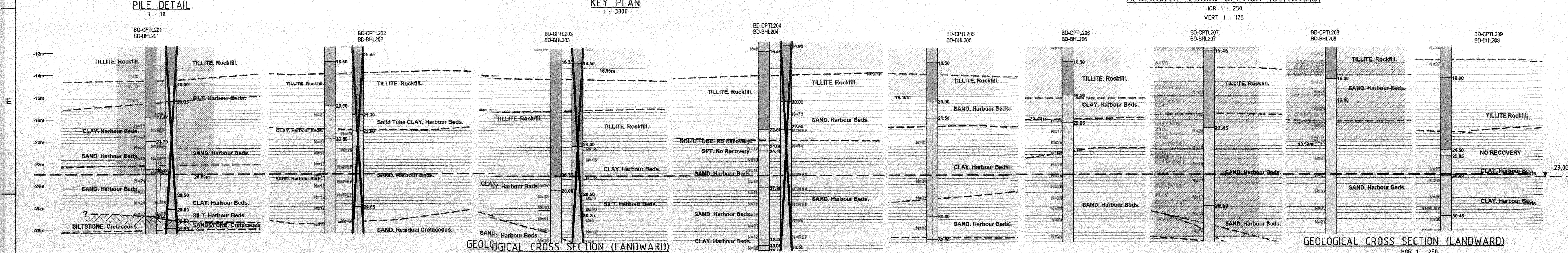
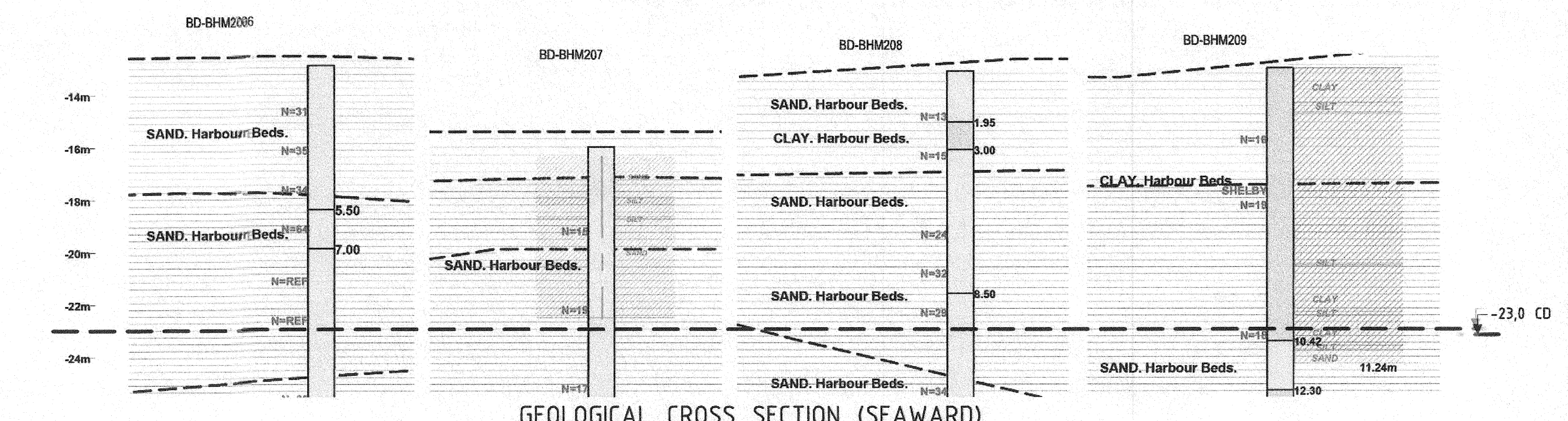
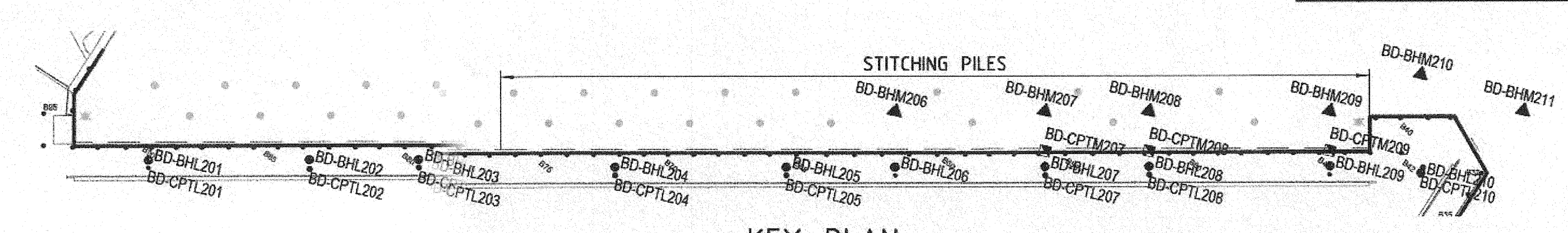
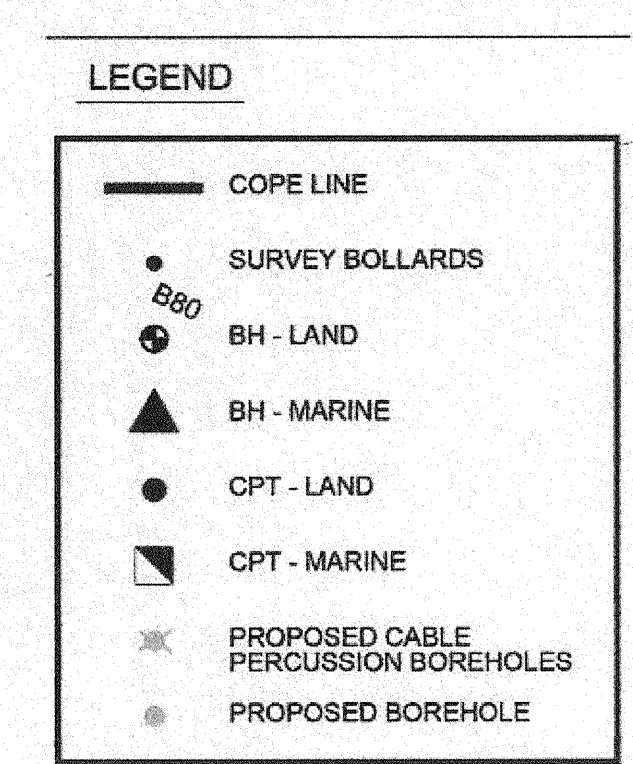
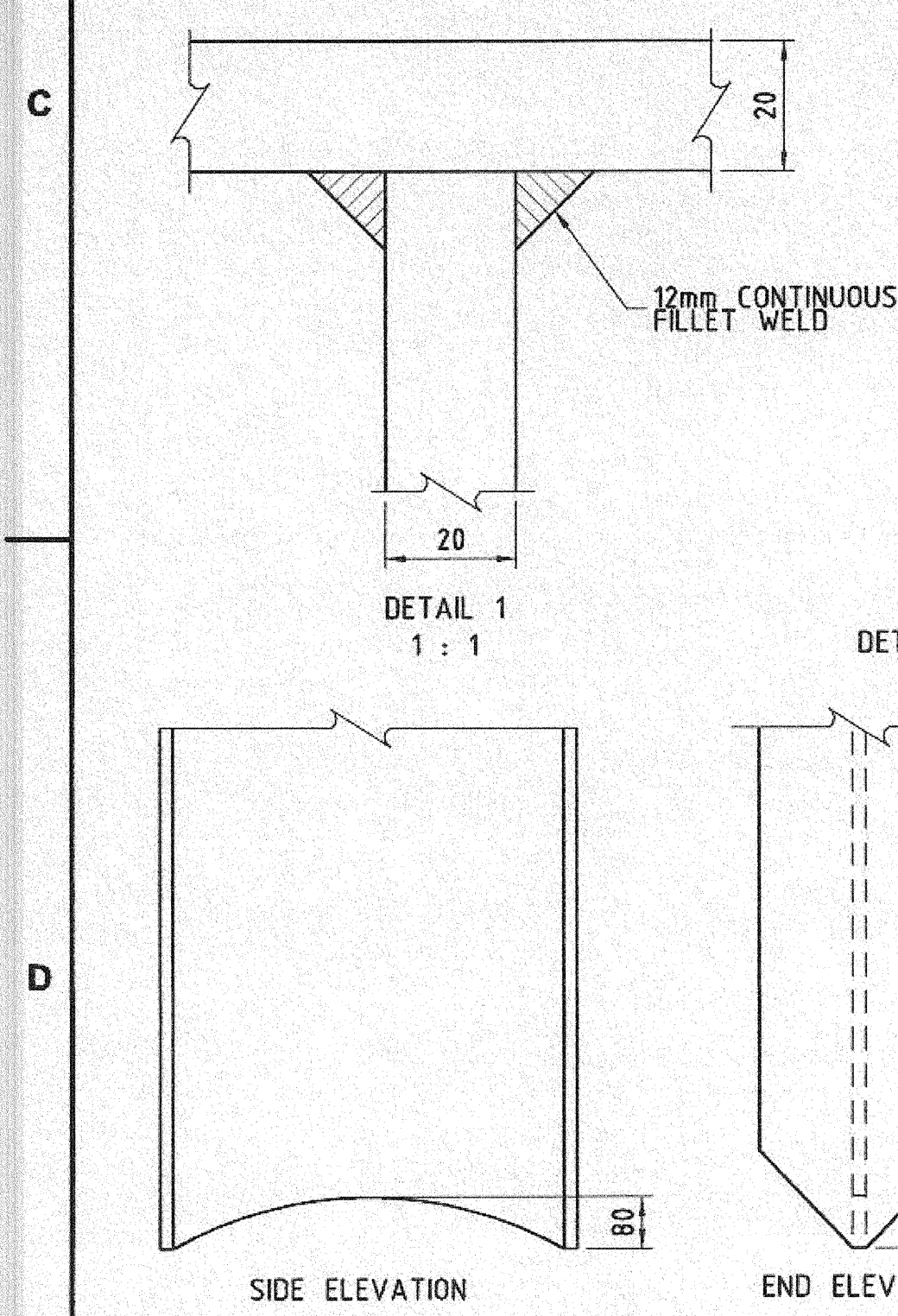
INFRASTRUCTURE FOR NEW SHIP TO SHORE CRANES AT NORTH QUAY, CRANE RAIL EARTHING LAYOUT

PROJECT NUMBER: 22230971-101008-DE-0109-011-Z TD

SCALE: 1:200



- NOTES:**
1. STEEL PILES TO BE FABRICATED USING GRADE S355JR PLATE
  2. PILES TO BE 9m LONG WITH PILE TOPS DRIVEN TO -14.0m ±0.2m CHART DATUM (CD)
  3. PILE ORIENTATION AS SHOWN. (WEBS AT RIGHT ANGLE TO QUAY WALL)
  4. PILES MAY BE DRIVEN FROM LAND
  5. PILING EQUIPMENT MAY BE OPERATED ON THE QUAY WALL SUBJECT TO THE LOADING INTENSITY NOT EXCEEDING THAT EQUIVALENT TO A 300kPa UNIFORMLY DISTRIBUTED LOAD. LOCATION OF CONCENTRATED POINT LOADS TO BE APPROVED BY THE SUPERVISOR
  6. PILES NOT REQUIRED FOR BERTH 205



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NO.	DESCRIPTION	BY	CHKD	APPD	DATE
1	AS-BUILT	LAV	J.G.	HOW	2013-04-23
2	3 BEAMS ADDED (18 TO 20)	LAV	J.G.	HOW	2012-10-17
3	ISSUED FOR CONSTRUCTION	LAV	J.G.	HOW	2012-05-20
4	ISSUED FOR TENDER	LAV	J.G.	HOW	2012-02-29

CONTRACTOR / CONSULTANT				TRANSENET CAPITAL PROJECTS			
TITLE	NAME	SIGN	DATE	TITLE	NAME	SIGN	DATE
				DRAWN	LAV		12 02 13
				CHECKED	J.G.		12 02 13
				DESIGNED	HOW		12 02 13
				CHECKED	J.G.		12 02 13

**TRANSENET CAPITAL PROJECTS**  
 TITLE: INFRASTRUCTURE FOR NEW SHIP TO SHORE CRANES AT NORTH QUAY, STITCHING PILES  
 DRAWING NO: RCE-346-CB-01 Sh. 13 Rev. Z  
 PROJECT NUMBER: 223091710000SHDE00080112 TO  
 SCALE: 1:100