

GENERAL NOTES

-- ALL DIMENSIONS IN MM
-- ELEVATION IN M ACC. TO N.A.P.

LOCAL ORIGIN (0,0):
RD X= 81931091
RD Y= 43464550
ROTATION ANGLE: 0.00

GEOTECHNICAL ADVICE:
FOR GEOTECHNICAL REPORT AND CPT'S SEE
GEOTECHNICAL ADVICE R48 Project nr. 2101015 Version 3.0
TP03 NESTE TERMINAL VLAARDINGEN

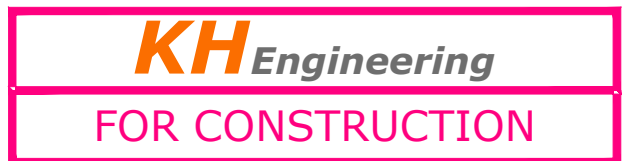
WORKING LEVEL= EL 3.250+ NAP

← EARTHING ROD Ø16 FeB220 TOTAL LENGTH OF PILE

- S-01 LOCATION CPT (CONE PENETRATION TEST) 2021
- 01 CPTU LOCATION CPTU (CONE PENETRATION TEST U) 2021
- BH-01 DRILLING HOLES
- 01 MONITORING WELL
- 01 LOCATION EXISTING CPT (CONE PENETRATION TEST)

REFERENCES

- 2307-E40-DW-1432-0001 PILINGPLAN TANKPIT 3A TANKFOUNDATIONS
- 2307-E40-DW-1432-0002 PILINGPLAN TANKPIT 3B TANKFOUNDATIONS
- 2307-E40-DW-1432-0004 PILINGPLAN TANKPIT 3B PIPERACK AND CULVERT

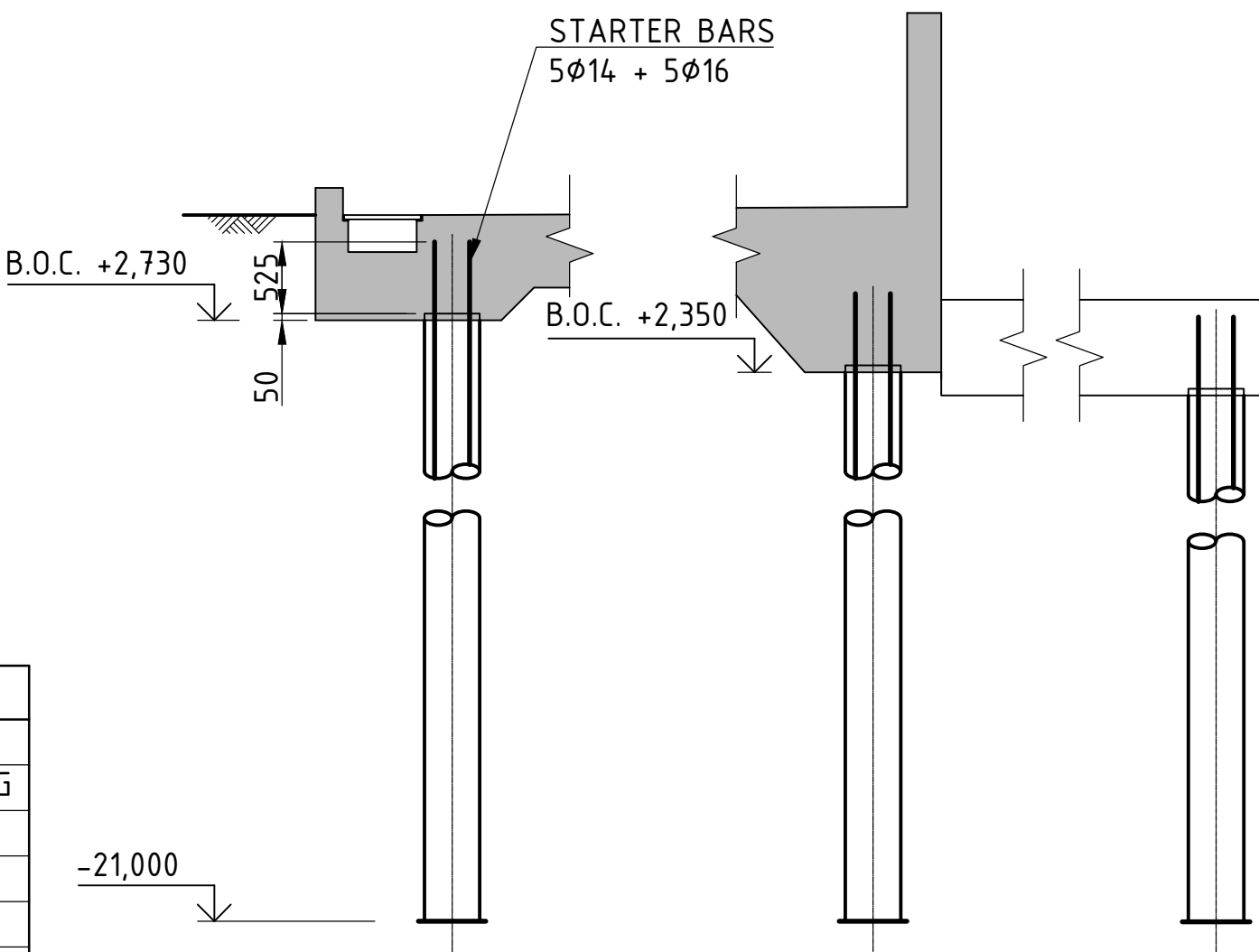


1	11-8-2021	UPDATED FOUNDATION SLABS	LER	RHW	RHW
2	06-08-2021	UPDATE STAIR TOWER	LER	RHW	RHW
3	03-28-2021	RELEASED FOR CONSTRUCTION	HAD	RHW	RHW
4	21-01-2021	GENERAL UPDATE	LER	RHW	RHW
5	07-01-2021	RELEASED FOR PILE CALCULATIONS	BRS	RHW	RHW
REV.	DATE	DESCRIPTION	DRAWN	CHECK	APPD
PROJECT : EXPANSION STORAGE CAPACITY					
CLIENT : NESTE					
TITLE : TANKPIT 3 PILINGPLAN TP 3A - PIPE RACK, PUMP SLAB AND STAIR TOWER					
KH Engineering		HW PROJ No : 6885-002	SCALE	A0	
		CLIENT PROJ No : 2307	1:100		
		DRAWING No :	SHEET		
		2307-E40-DW-1432-0003	1	REV 4	

PILING SCHEDULE (VIBRO PILES)					
PILE SIZE (mm)	PILE TOE LEVEL, N.A.P. (m)	CUT OFF LEVEL, N.A.P. (m)	LENGTH (m)	NO. OF PILES	
Ø406/495	-16,000	+2,230	18,230	36	
Ø406/495	-17,000	+2,230	19,230	8	
Ø406/456	-19,000	+2,130	21,130	8	
Ø406/456	-21,000	+1,580	22,580	8	
Ø406/495	-21,000	+2,780	23,780	12	
Ø406/495	-21,000	+2,400	23,400	8	
Ø406/495	-21,000	+2,230	23,230	8	
Ø406/495	-16,000	+2,155	18,155	21	

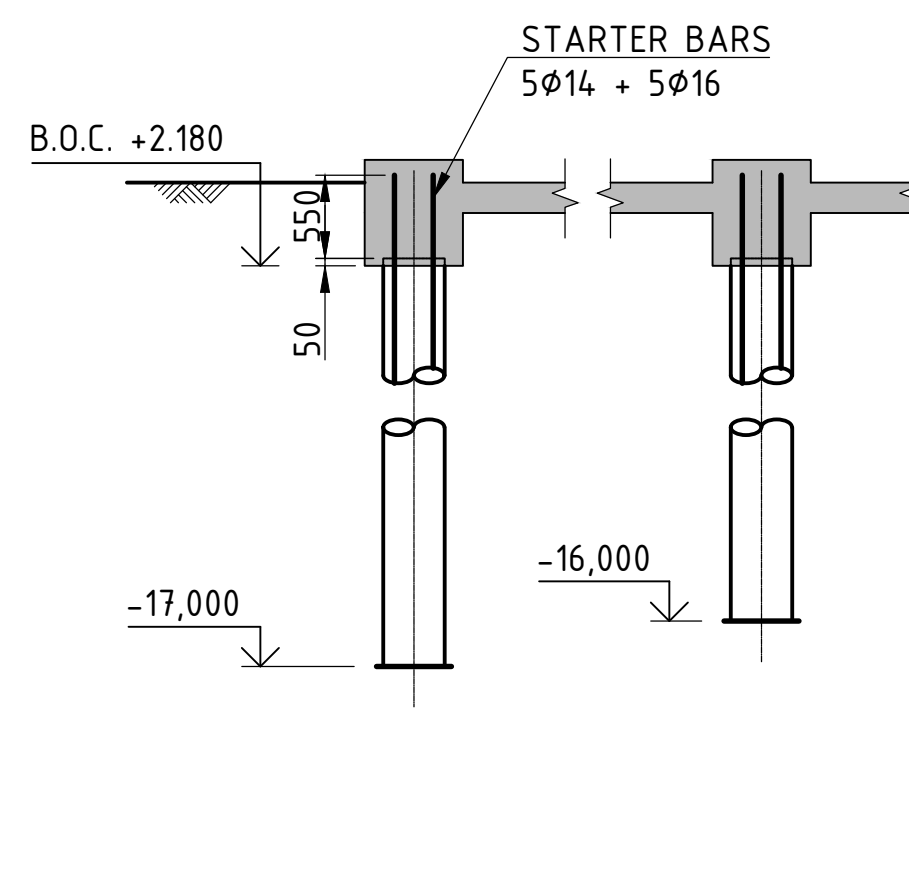
PILING SCHEDULE (TUBEX PILES)				
PILE SIZE (mm)	PILE TOE LEVEL, N.A.P. (m)	CUT OFF LEVEL, N.A.P. (m)	LENGTH (m)	NO. OF PILES
Ø273/493	-22,000	+2,230	24,230	18

PILE LOADS					
PILE	TYPE	DESIGN LOADS [kN] / [kNm]			
		VERT.	HOR.	TENSION	BENDING
PUMP SLAB	65-84	TP3A-PF-1	700	20	20
PIPE RACK 1	101-126 (35-56)	TP3A-PR-2	350	35	30
PIPE RACK 3 & 4	19-22 & 27-30	TP3A-PR-5	300	35	100
	23-26 & 31-34	TP3A-PR-4	175	25	50
PIPE RACK 5	1-4 & 15-18	TP3A-PR-1	225	35	30
	5-14	TP3A-PR-1	225	35	30
PIPE RACK 6	601-612	TP3A-PF-1	700	20	30
PIPE RACK 7	705-710 (85-92)	TP3A-PR-4	175	25	50
SLABS B, C AND E	501-523	TP3A-S-1	350	35	-
	57-64	TP3A-SCT-1	700	50	250



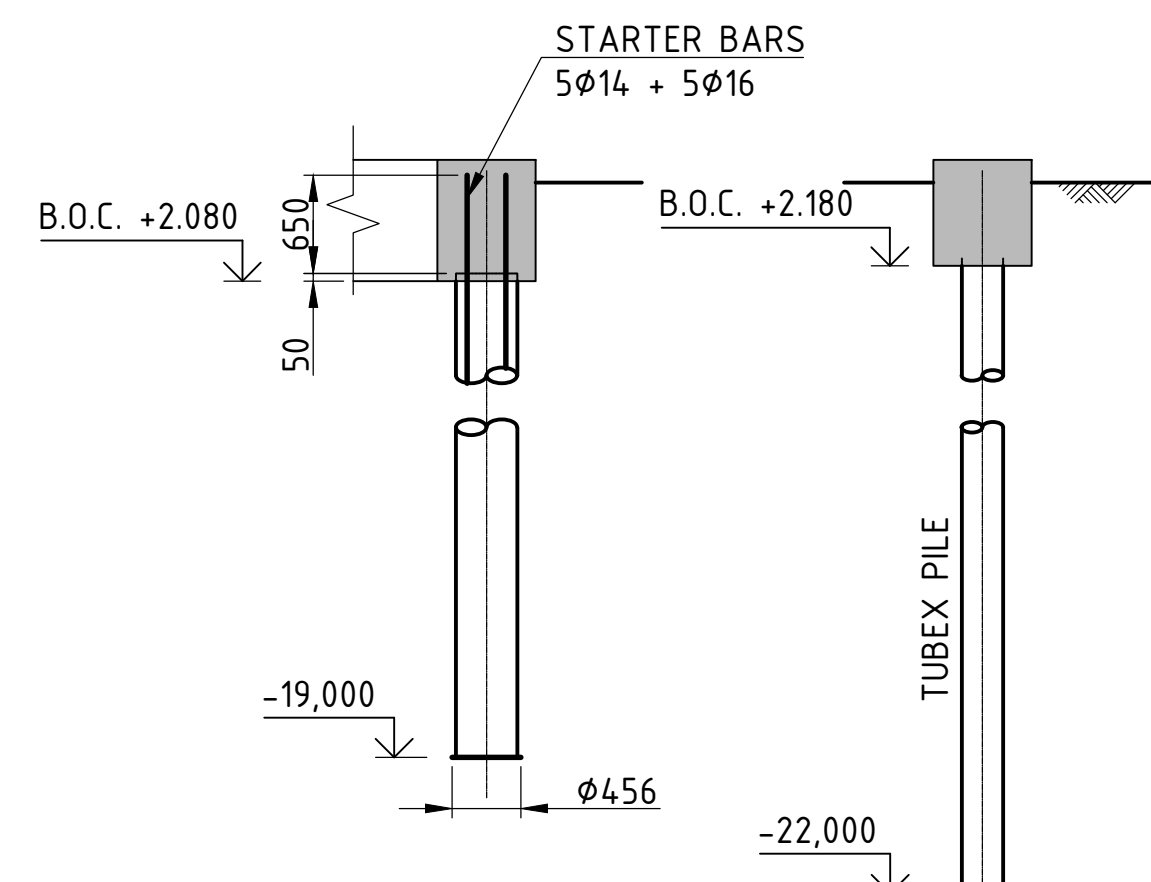
PUMP SLAB

SCALE 1:20



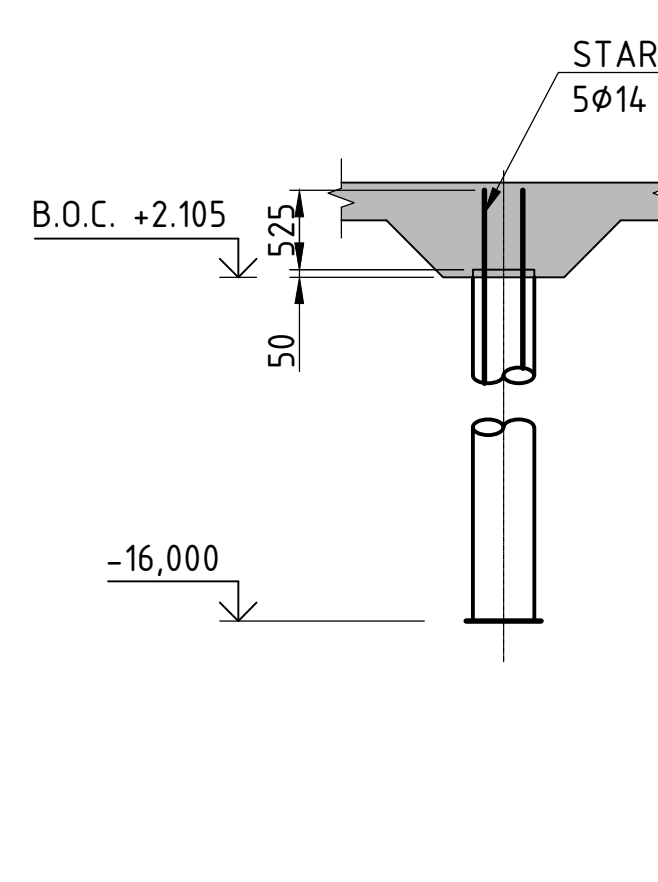
PIPE RACK 1, 3, 4, 6 AND 7

SCALE 1:20



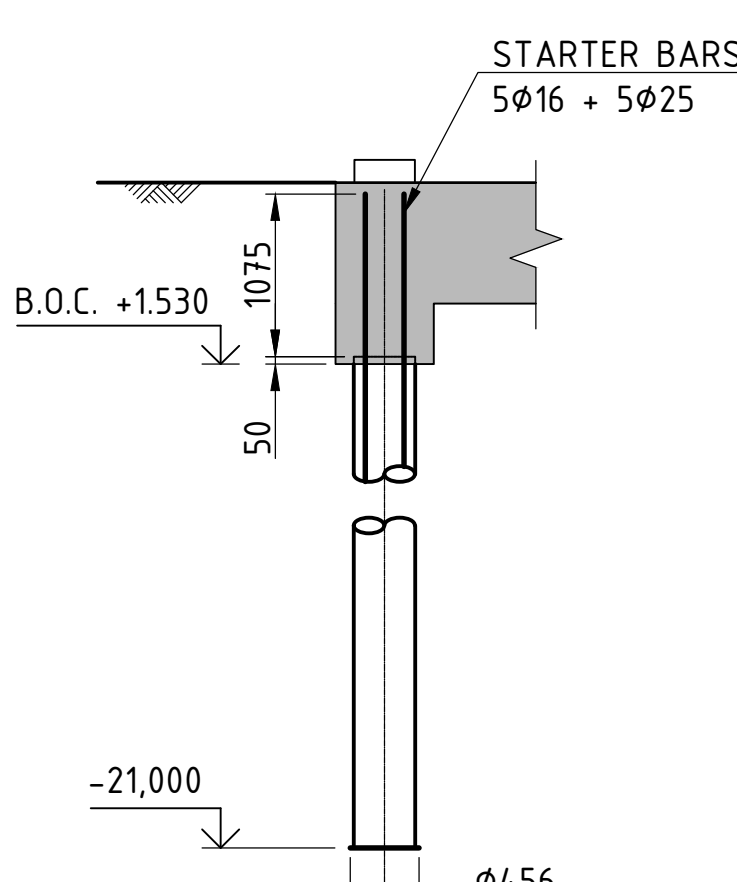
PIPE RACK 3, 4 AND 5

SCALE 1:20



SLAB B, C AND E

SCALE 1:20



STAIR TOWER

SCALE 1:20