

NOTES

- 1) ALL ELEVATIONS AND COORDINATES ARE IN "M" AND DIMENSIONS ARE IN "MM" UNLESS OTHERWISE NOTED.
- 2) ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- 3) 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF CONCRETE IS 30MPa. (ON CYLINDRICAL SPECIMEN)
- 4) 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15MPa. (ON CYLINDRICAL SPECIMEN)
- 5) CONCRETE COVER OVER BARS SHALL BE 75mm FOR FOUNDATION AND 40mm FOR CAST IN-SITU OTHER PARTS.
- 6) TENSION STRENGTH OF BARS SHALL BE OF MINIMUM $F_y=4000$ kg/cm²
- 7) CEMENT TYPE II SHALL BE USED ACCORDING TO GEOTECHNICAL REPORT SUGGESTION.
- 8) FILL MATERIAL SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 & ASTM D-1241 (MODIFIED PROCTOR) METHOD.
- 9) REINFORCEMENT SHALL BE ADJUSTED LOCALLY TO SUIT THE RECESS OF ANCHOR BOLTS, HOLES AND OTHER EMBEDDED MATERIALS.
- 10) THE EMULSION SHOULD BE USED ON CONCRETE EXPOSED WITH SOIL. A BITUMEN-BASED EMULSION SHALL BE USED FOR PROTECTIVE COATING TO PREVENT THE RETENTION OF DESTRUCTIVE SALTS & IONS.
- 11) THIS MATERIAL IS CONTROLLED ACCORDING TO THE FOLLOWING STANDARDS: ASTM D1227, ASTM D2939, ASTM D1640
- 12) THE GROUT FOR FILLING LINER OF THE TANK MUST BE IN ACCORDING WITH PARAGRAPH 6) AND OF THE TYPE OF SAND-SEALANT GROUT (SPECIFICATION FOR GROUTING BR-GRAAL-PEBCO-000-ST-SR-0004)

LEGEND AND ABBREVIATION

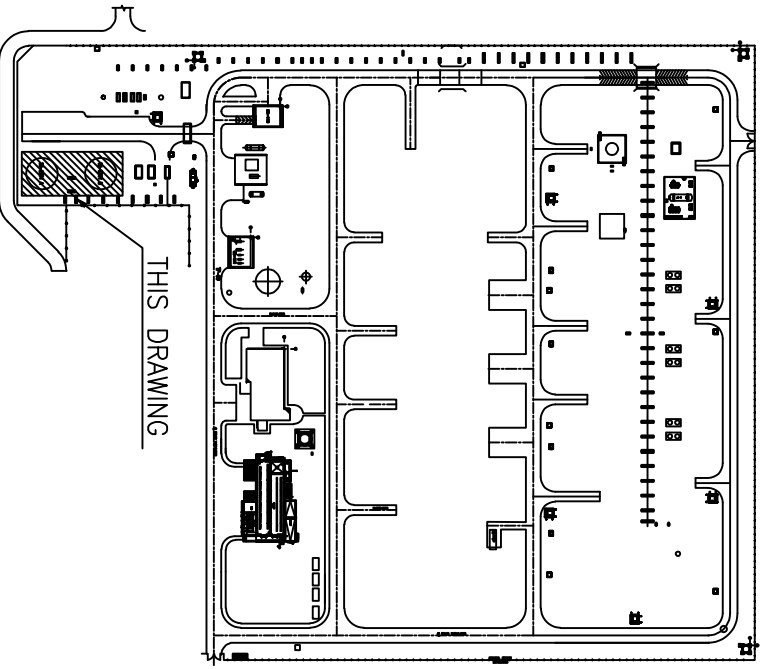
	REINFORCED CONCRETE	T.O.F.	TOP OF FOUNDATION
	LEAN CONCRETE	B.O.F.	BOTTOM OF FOUNDATION
	GRAVEL	C.J.	CONSTRUCTION JOINT
	SUB GRADE	F.G.L.	FINISH GRADING LEVEL
	ASPHALT	T.O.G.	TOP OF GROUT
		MSL.	MEAN SEE LEVEL
		T.O.PED.	TOP OF PEDESTAL

REFERENCE DRAWING

DRG. No.

UNIT PLOT PLAN DRAWING	BR-GCS-PEBCO-120-PI-PY-0001
STANDARD DRAWING FOR ANCHOR BOLTS	BR-GRAAL-PEBCO-000-ST-SR-0002
SPECIFICATION FOR CONCRETE WORK	BR-GRAAL-PEBCO-000-ST-SR-0001
SPECIFICATION FOR GROUTING	BR-GRAAL-PEBCO-000-ST-SR-0004
MECHANICAL DATA SHEETS FOR FIRE WATER STORAGE TANK	BR-GCS-PEBCO-120-ME-DT-0017
SPECIFICATION FOR CATHODIC PROTECTION	BR-GRAAL-PEBCO-000-EL-SR-0016
SPECIFICATION FOR STORAGE TANK FOUNDATION	BR-GRAAL-PEBCO-000-ST-SR-0002
SPECIFICATION FOR STORAGE TANK FOUNDATION COMPRESSOR STATION	BR-GCS-PEBCO-120-GT-RT-0001

KEY PLAN



این طرح و کلیه جزئیات آن، ملکیت فکری و حقوق معنوی این شرکت می باشد.
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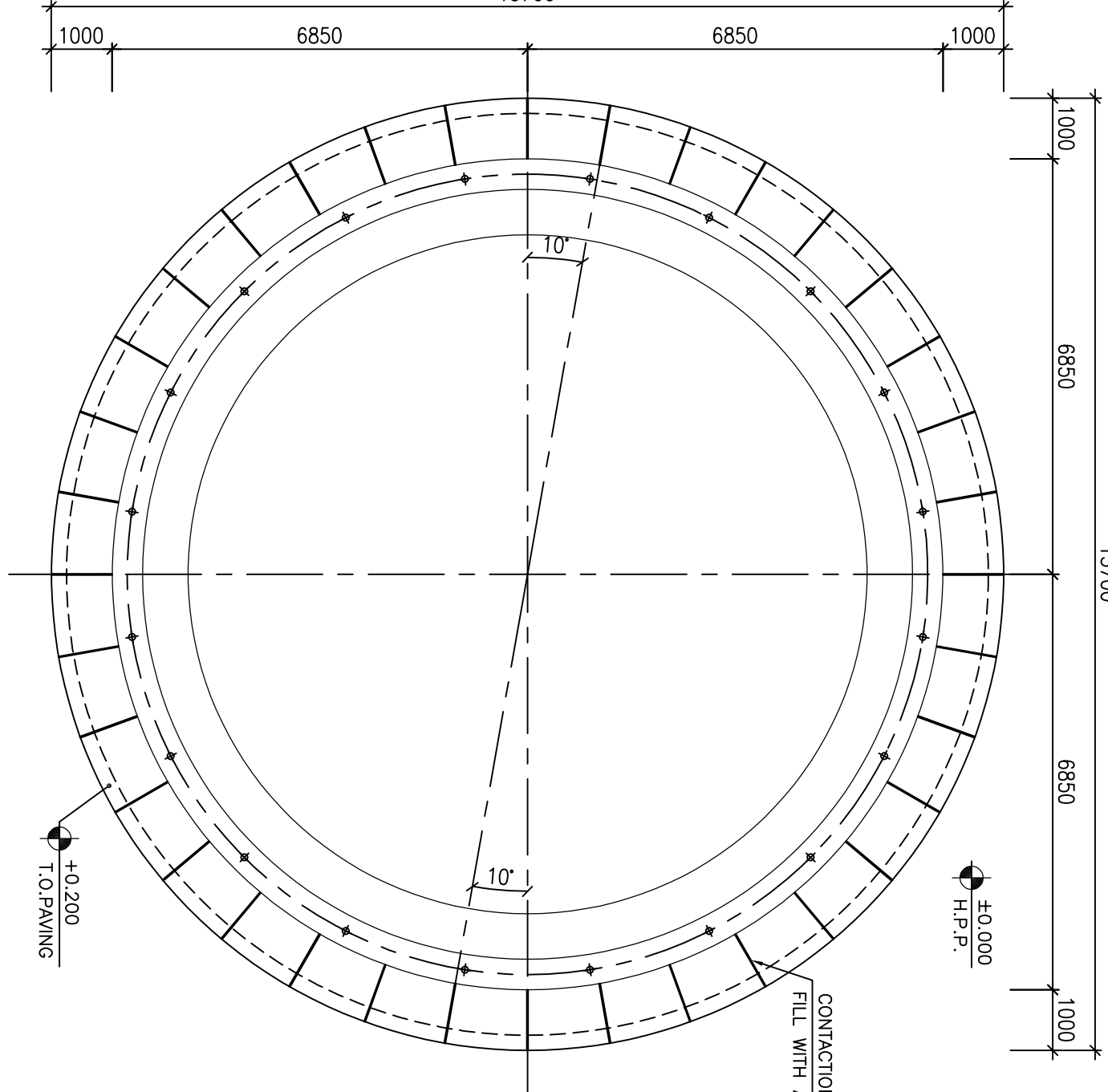
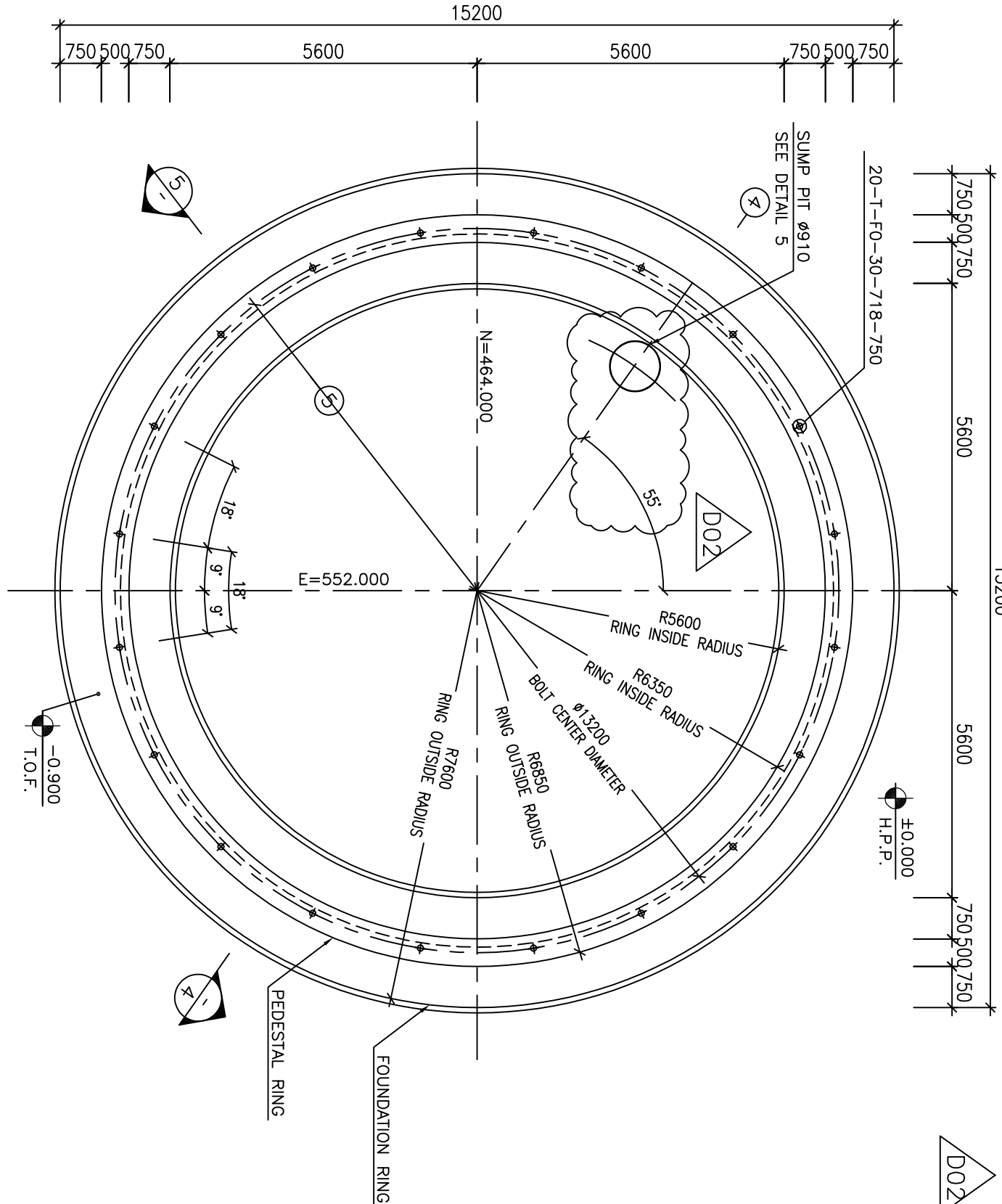
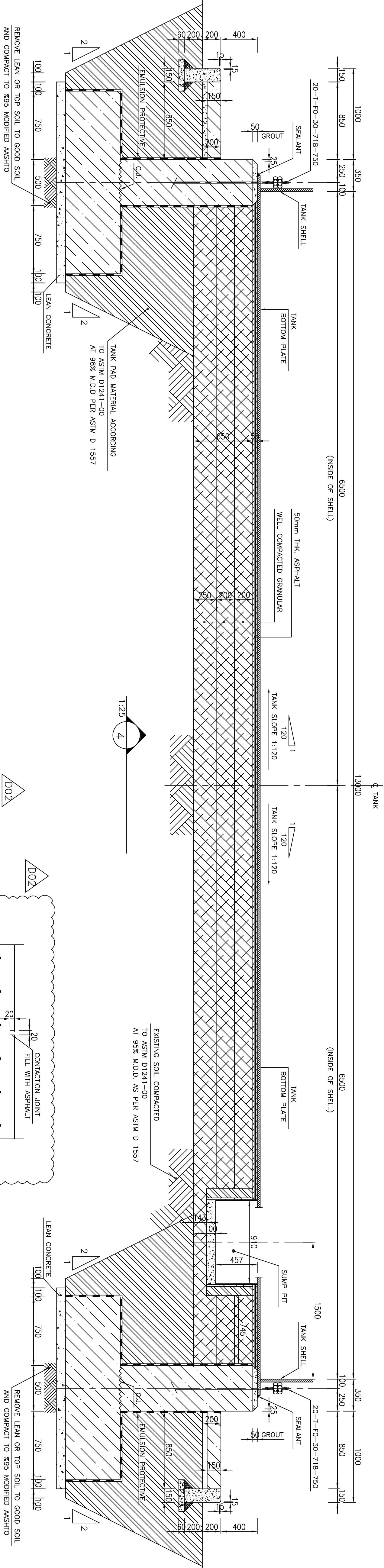
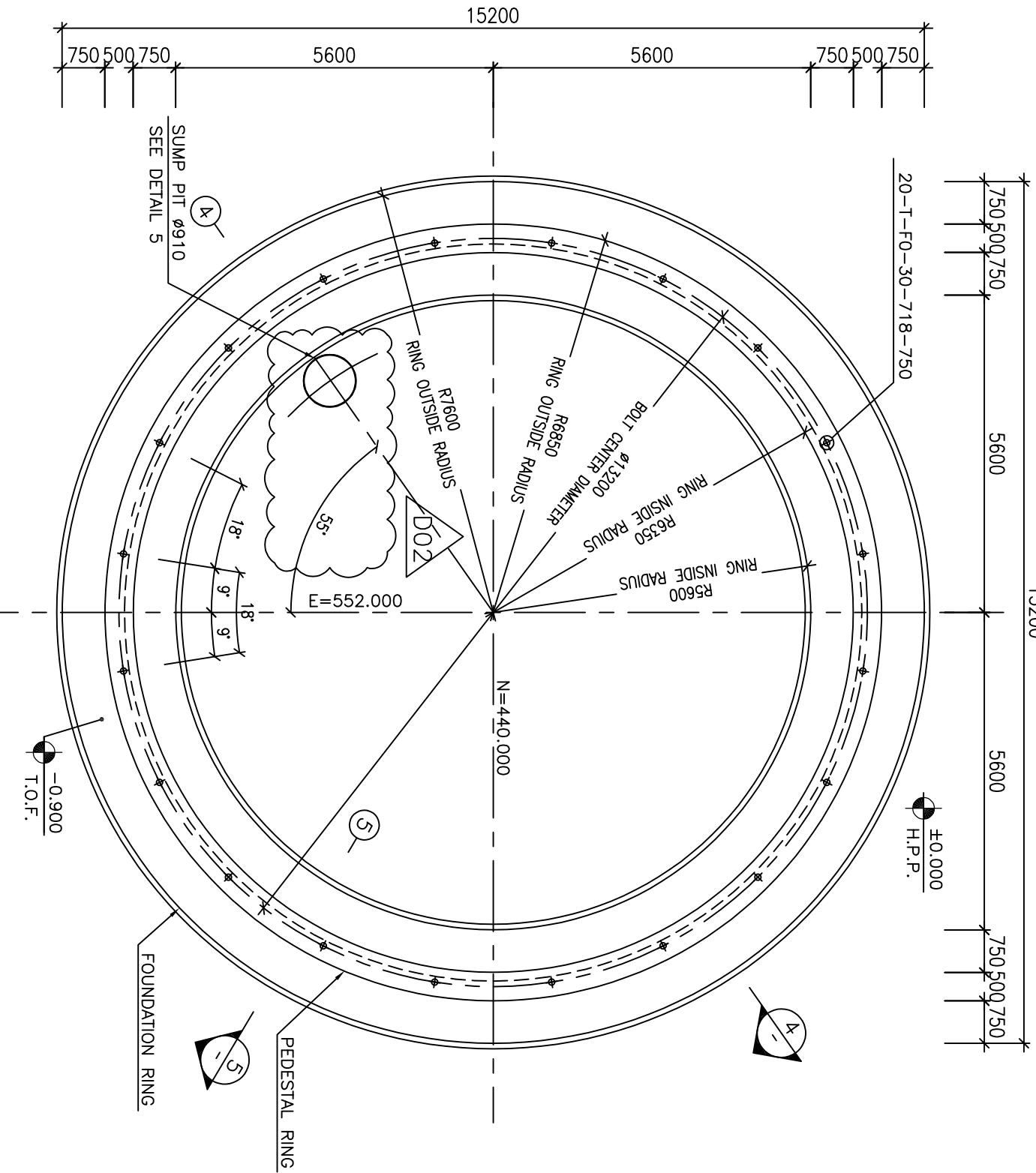
BINA K OILFIELD DEVELOPMENT
SURFACE FACILITIES

GAS COMPRESSOR STATION

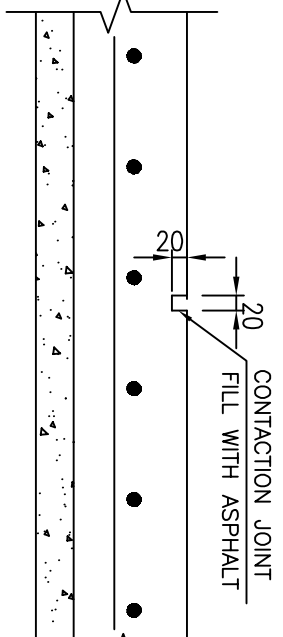
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

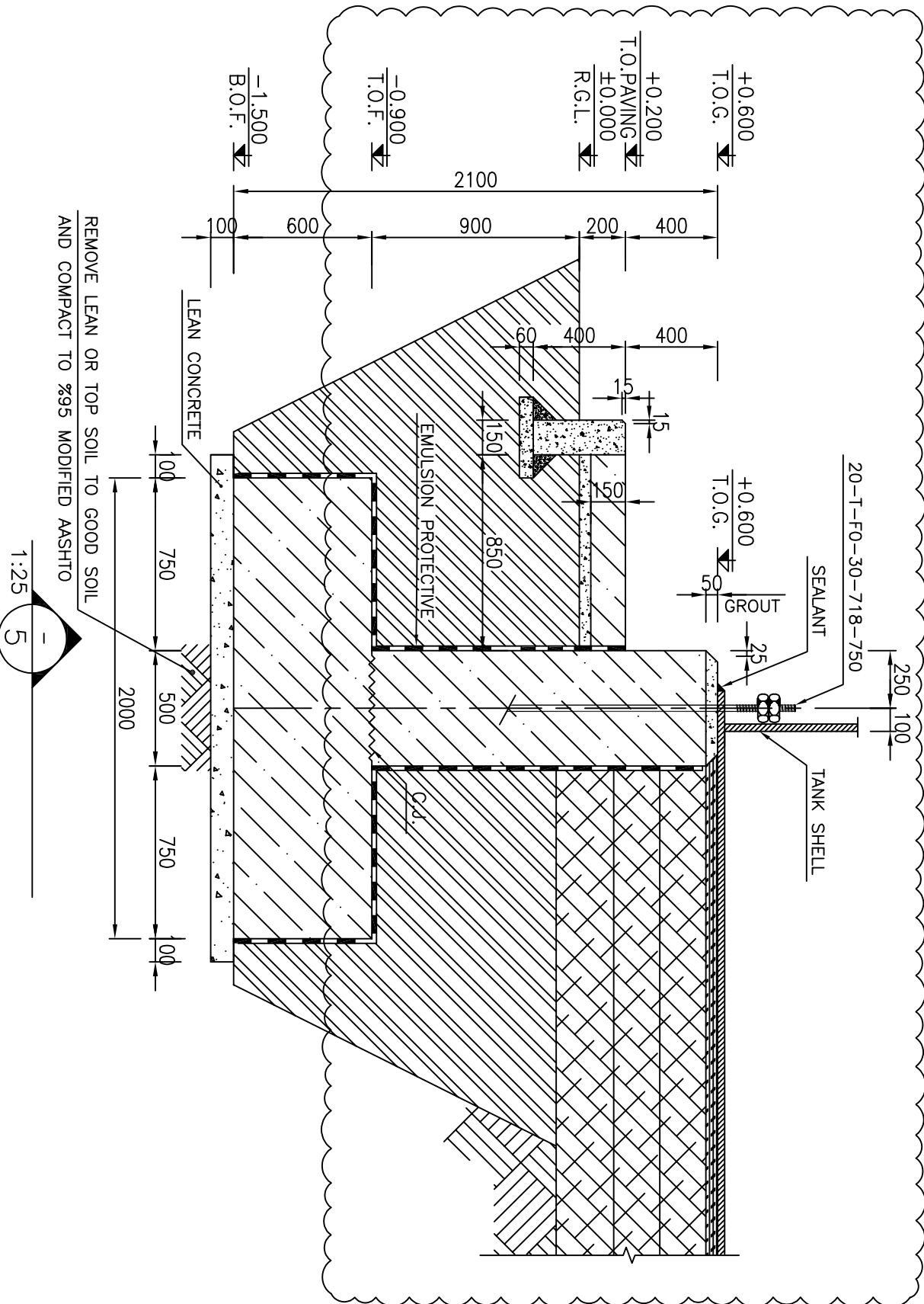
APPROVED FOR CONSTRUCTION	BY:	DATE:
BUDGET REF.	LOCATION	SIZE CLASS
F	4	Q
709161	1	DO2

PAVING PLAN AT ELEVATION +0.200
TK-2301 A&BFOUNDATION & PEDESTAL PLAN
TK-2301 BFOUNDATION & PEDESTAL PLAN
TK-2301 A

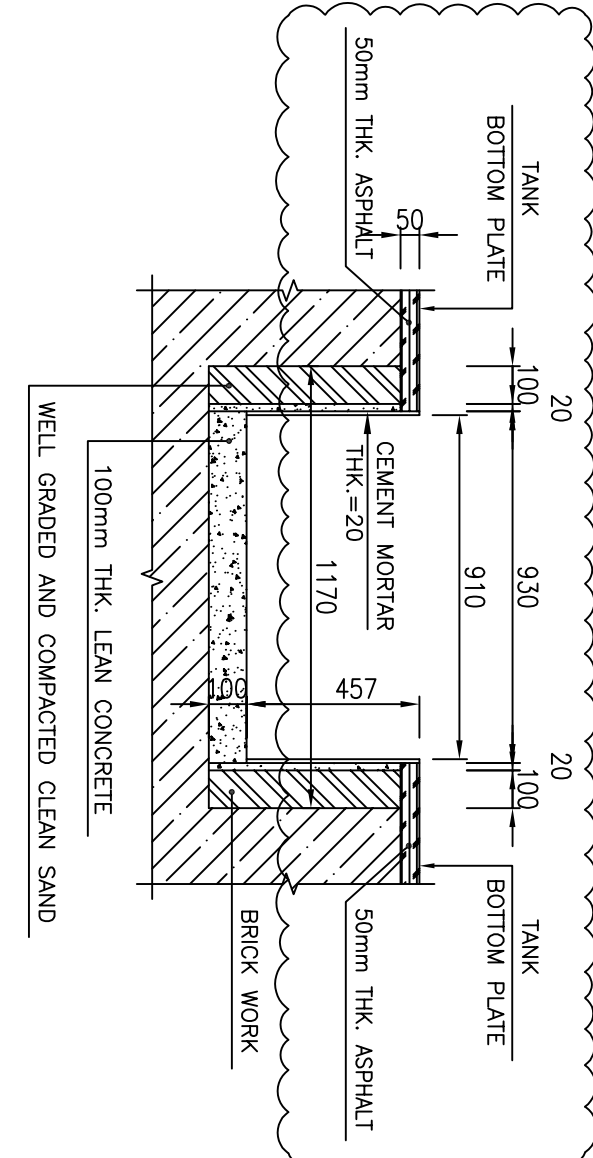
TYPICAL DETAIL OF CONTRACTION JOINT



AGGREGATE GRADATION		
SIEVE SIZES	% BY WEIGHT PASSING	
GRANULAR FILL	ASPHALTIC CONCRETE	
50mm (2")	100	-
25mm (1")	75-95	-
12.5mm (1/2")	-	100
9.5mm (3/8")	40-75	84-100
4.75mm (No.4)	30-60	61-74
2.00mm (No.10)	20-45	-
6.71mm (No.25)	-	27-38
0.425mm (No.40)	15-30	-
0.15mm (No.100)	-	10-17
0.075mm (No.200)	0-12	4-8



SLUMP PIT DETAIL



PROJECT NAME:	BINA K OILFIELD DEVELOPMENT/SURFACE FACILITIES		
PROJECT NO.:	971020		
EPC CONTRACTOR:	EFD/EPC CONTRACTOR (GC):		
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES	PETROBRAN DEVELOPMENT COMPANY		
	PDICO		
DRAWING TITLE:	FOUNDATION DRAWING FOR FIRE WATER STORAGE TANKS (TK-2301A/B)		
SCALE	SIZE	DRAWING NO.	SHEET NO.
AS SHOWN	A1	BR-GCS-PEBCO-120-ST-DW-0024	1 OF 2
REV.	DO2	075-003-9144	DO2

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- 11) THE GROUT FOR FILLING INNER OF THE TANK MUST BE IN ACCORDING WITH PARAGRAPH 6) AND OF THE TYPE OF SAND-GRANULOMETER SPECIFICATION FOR GROUTING BR-GNRL-PEDCO-000-ST-SP-0004)

$$E_{0.00} = +11.05(F.C.L.)\text{MSL}$$

LEGEND AND ABBREVIATION

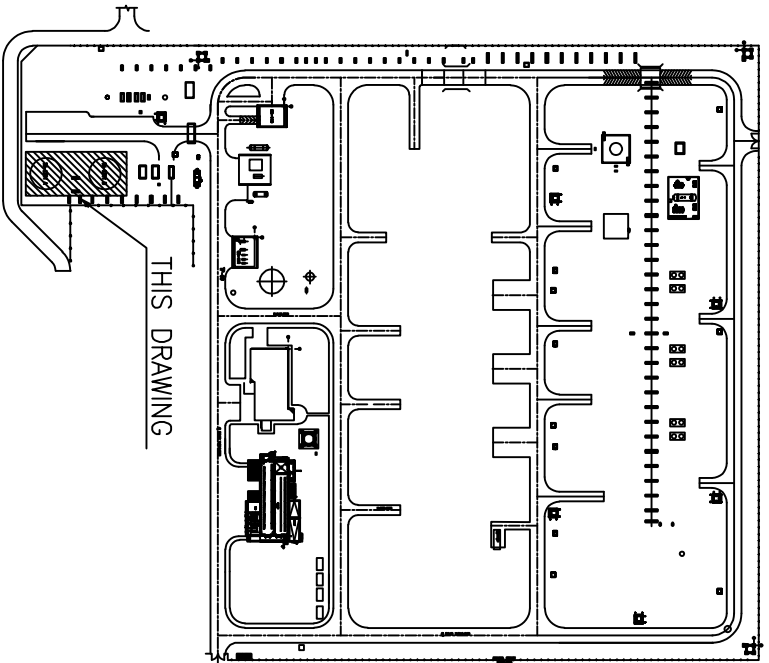
	REINFORCED CONCRETE	T.O.F.	TOP OF FOUNDATION
	LEAN CONCRETE	B.O.F.	BOTTOM OF FOUNDATION
	GRAVEL	C.J.	CONSTRUCTION JOINT
	SUB GRADE	F.G.L.	FINISH GRADING LEVEL
	ASPHALT	T.O.G.	TOP OF GROUT
		MSL	MEAN SEE LEVEL
		T.O.PED.	TOP OF PAVEDSTAL

REFERENCE DRAWING

DRG. No.

UNIT PLOT PLAN DRAWING	BR-GCS-PEDCO-120-P1-PY-0001
STANDARD DRAWING FOR ANCHOR BOLTS	BR-GNRL-PEDCO-000-ST-DW-0002
SPECIFICATION FOR CONCRETE WORK	BR-GNRL-PEDCO-000-ST-SP-0001
SPECIFICATION FOR GROUTING	BR-GNRL-PEDCO-000-ST-SP-0004
MECHANICAL DATA SHEETS FOR FIRE WATER STORAGE TANK	BR-GCS-PEDCO-120-ME-DT-0017
SPECIFICATION FOR CATHODIC PROTECTION	BR-GNRL-PEDCO-000-EL-SP-0016
SPECIFICATION FOR STORAGE TANK FOUNDATION	BR-GNRL-PEDCO-000-ST-SP-0002
SPECIFICATION FOR INVESTIGATION REPORT FOR COMPRESSOR STATION	BR-GCS-PEDCO-120-GT-RT-0001

KEY PLAN



REV.	DESCRIPTION	BY	DATE	BY	DATE	REV.	APPR.
***	*****	***	****	***	****	***	****
REV.	DESCRIPTION	CHECKED	DATE	DATE	DATE	REV.	APPR.
***	*****	***	****	***	****	***	****

این طرح با ذکر این خط و در حق انحصار مهندس و شرکت ملی مناطق نفت خیز جنوب میباشد.
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BINAK OILFIELD DEVELOPMENT

SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE

SCALE

DRAWING BY

CHECKED BY

PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION

BY:

DATE:

BUDGET REF.

LOCATION

SIZE

CLASS

SERIAL NO.

SHEET

REVISION

F

4

Q

709161

2

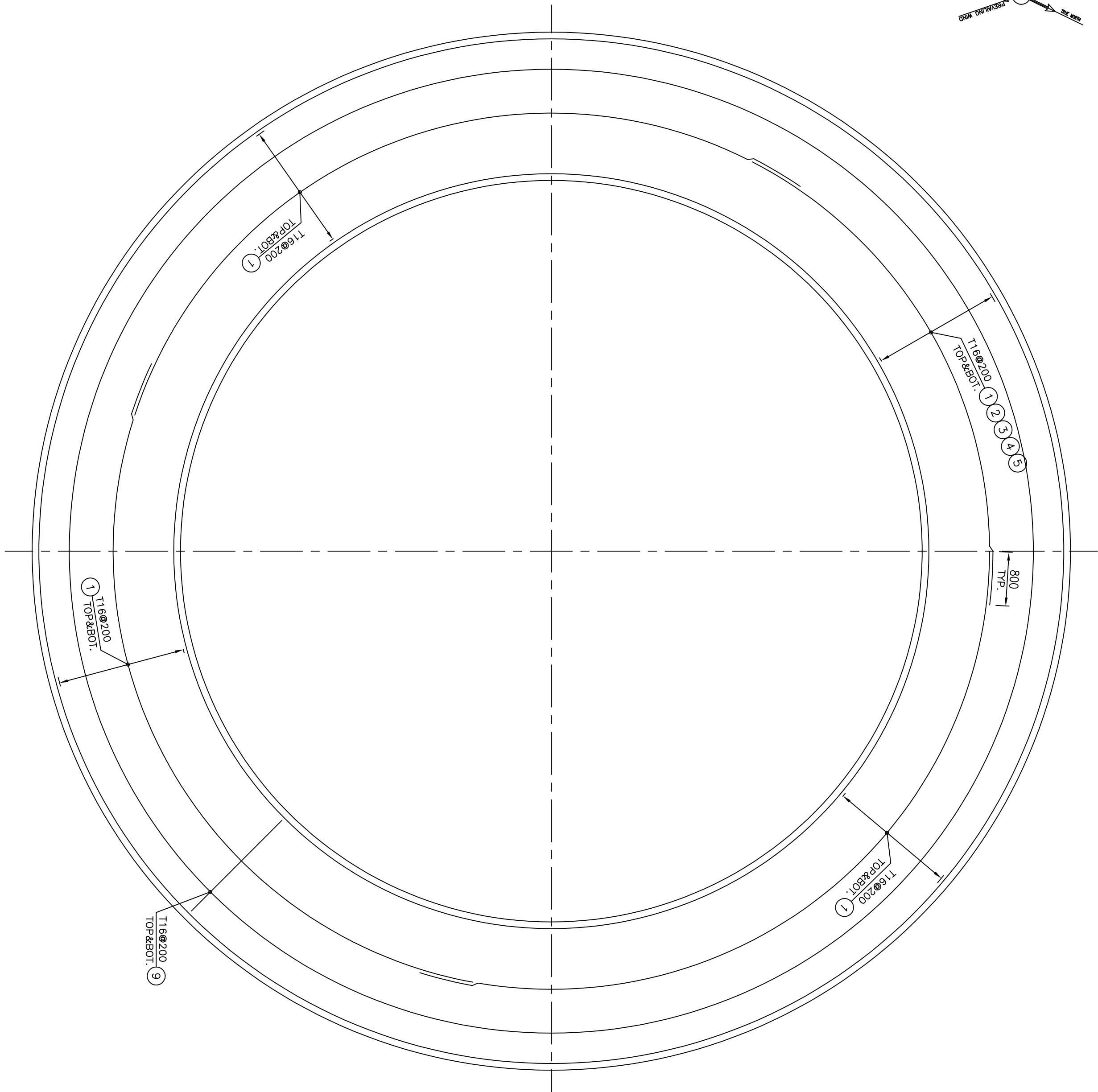
D02

D02	MAY 2024	AFC	REVISION	MANAGEMENT	MANAGEMENT	***	***
D01	FEB 2024	IFA	REVISION	MANAGEMENT	MANAGEMENT	***	***
D00	SEP 2023	IPC	REVISION	MANAGEMENT	MANAGEMENT	***	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	
PROJECT NAME:	BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES						
PROJECT NO.:	971020						
EPC CONTRACTOR:	EPD/EPC CONTRACTOR (GC):						
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES	PETROLIRAN DEVELOPMENT COMPANY						

BAR BENDING SCHEDULE							
Pos	Spec.	Shape	L/A	No.	T8	T12	T16
1	T16	12000	12.00	64			768.0
2	T16	9500	9.50	4			38.0
3	T16	7000	7.00	4			28.0
4	T16	4500	4.50	4			18.0
5	T16	2000	2.00	4			8.0
6	T16	12000	12.00	60			720.00
7	T16	9500	9.50	10			95.00
8	T16	3001	3.00	2.50	44.0		1100.00
9	T16	3001	3.00	2.45	40.0		980.0
10	T12	120	0.64	70		44.80	
11	T16	7400	7.40	10			74.00
12	T8	12000	12.00	72	864.0		
13	T8	700	0.70	160	112.0		
TOTAL LENGTH OR AREA (m)							976.0
UNIT WEIGHT (kg/m)							44.80
WEIGHT (kg)							0.500
GRAND TOTAL (kg)							3830.00
							0.888
							1.578
							488.0
							39.78
							6043.74
							6600

NOTE:

ABOVE QUANTITIES ARE FOR ONE TANK

FOUNDATION REINFORCEMENT PLAN
TK-2301 A/BRING REINFORCEMENT PLAN
TK-2301 A/B