

- NOTES
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW: HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84) MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM) VERTICAL DATUM: MSL
 - 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD
B.O.C. BOTTOM OF CONCRETE

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

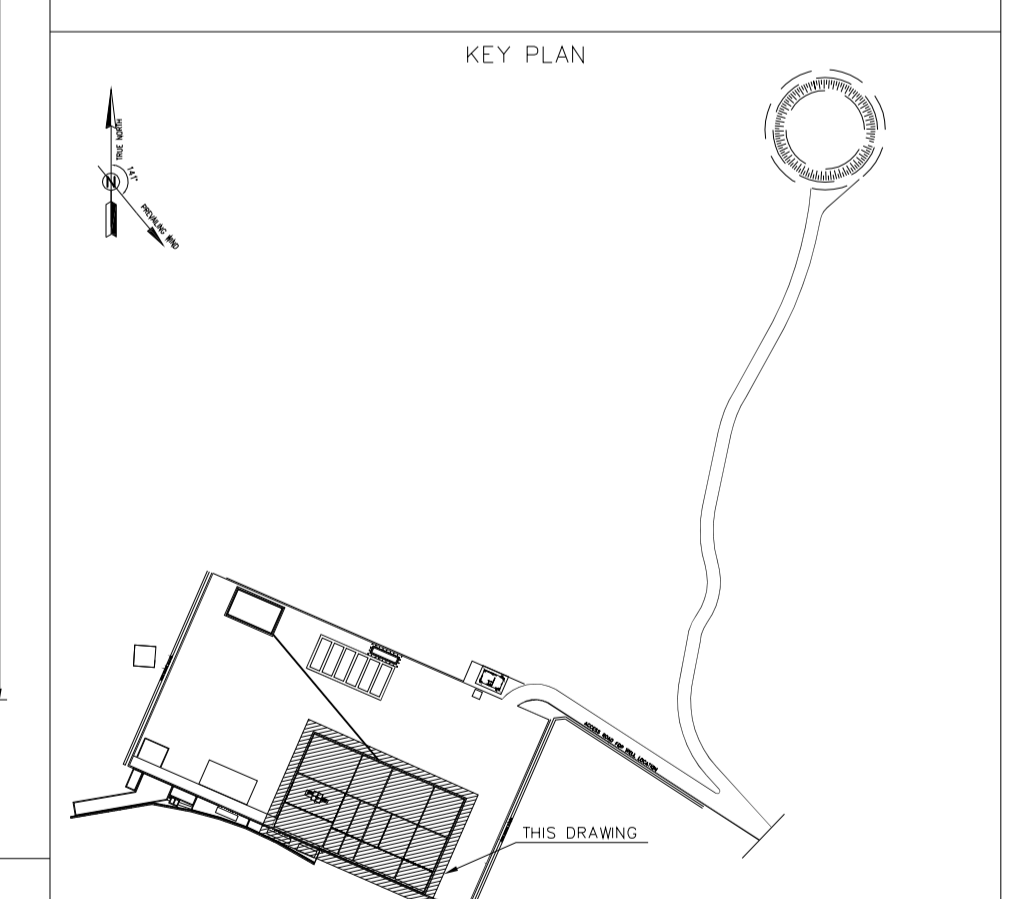


TABLE 1
(CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437817.067	N=3294992.493
POINT 2	E=437832.001	N=3295028.744
POINT 3	E=437890.665	N=3295003.167
POINT 4	E=437874.519	N=3294966.135

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***					
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

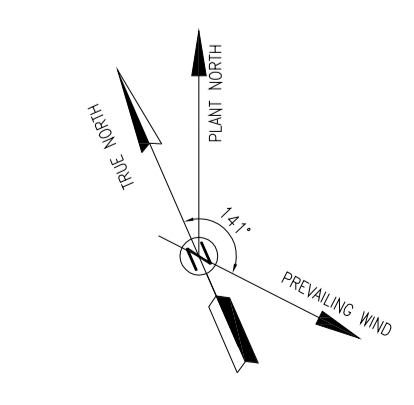
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

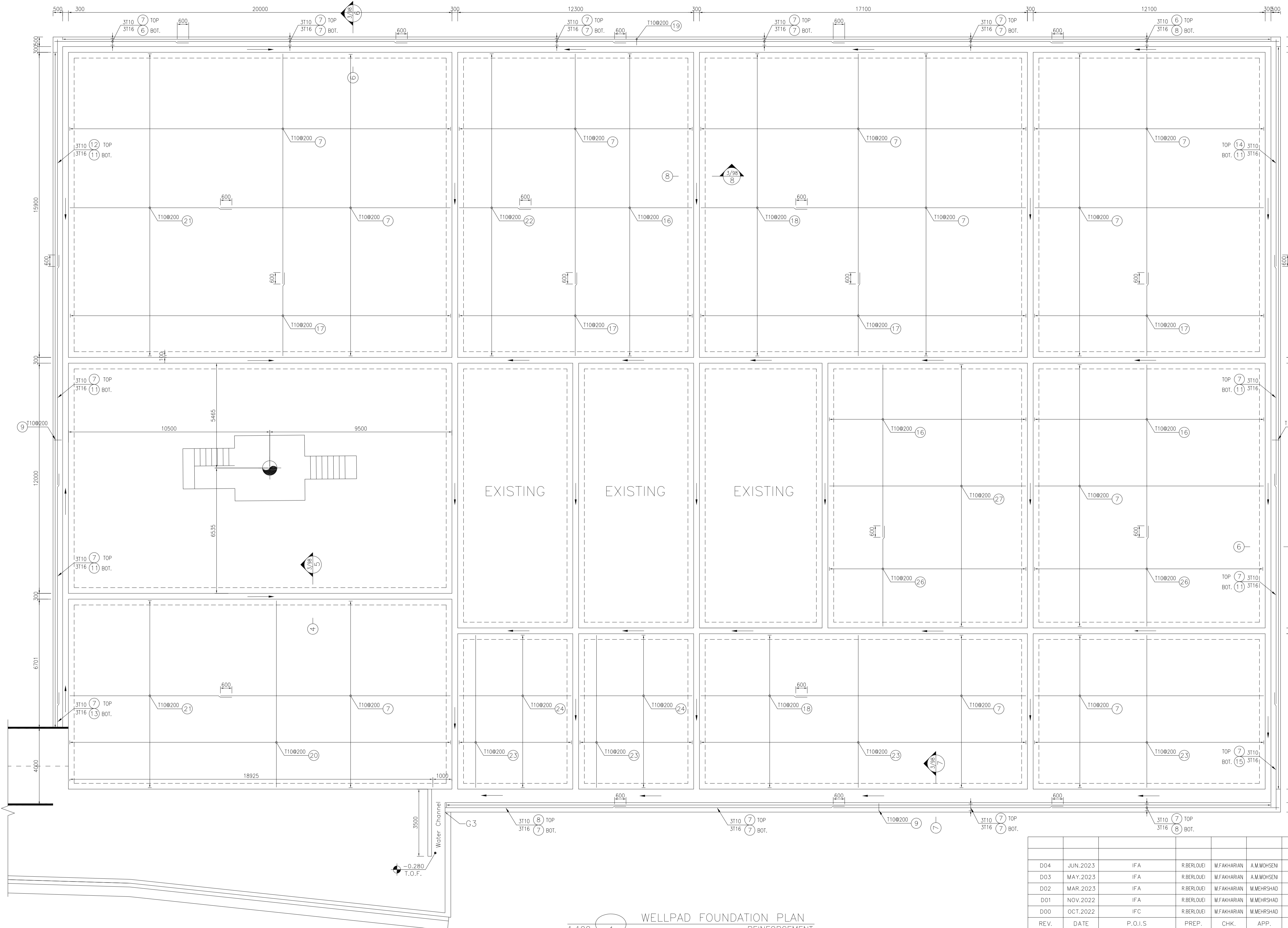
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WELLPAD FOUNDATION FORMWORK PLAN

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	1 OF 98	D04	053-073-9184	F	4	S	708209	1	D04





- NOTES**
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

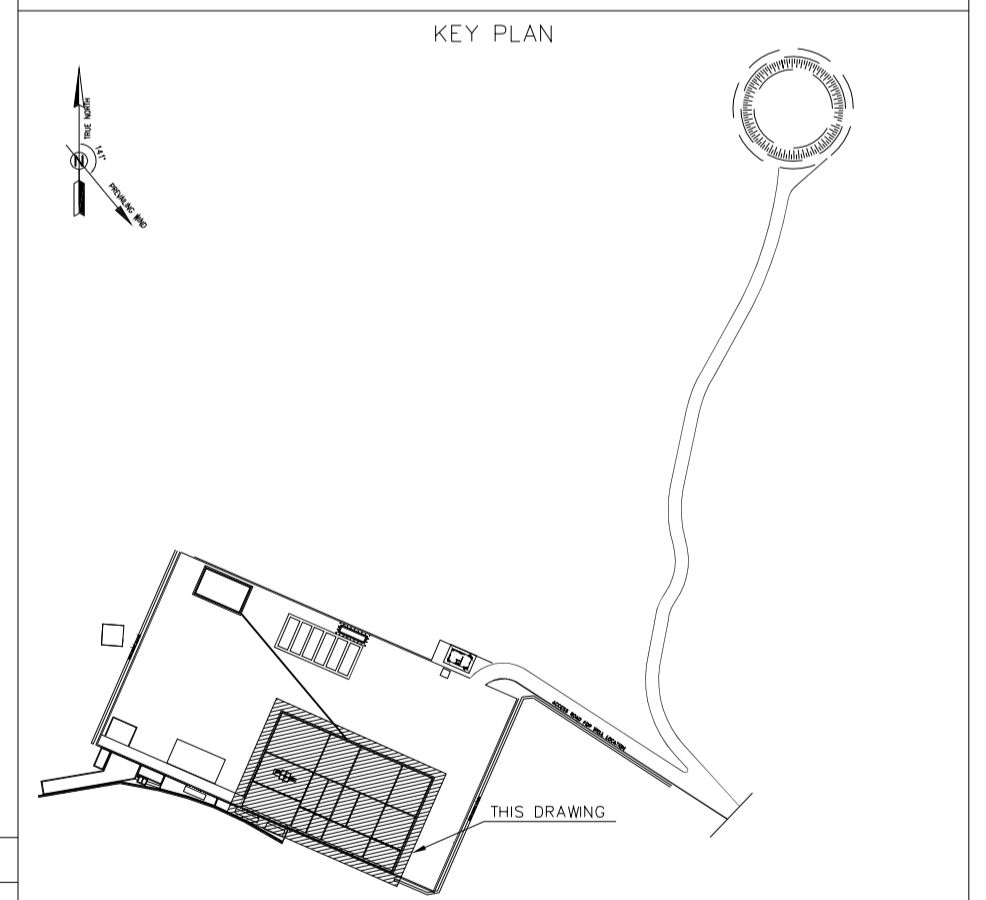
LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD
B.O.C. BOTTOM OF CONCRETE

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					

1:100 **WELLPAD FOUNDATION PLAN**
REINFORCEMENT

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

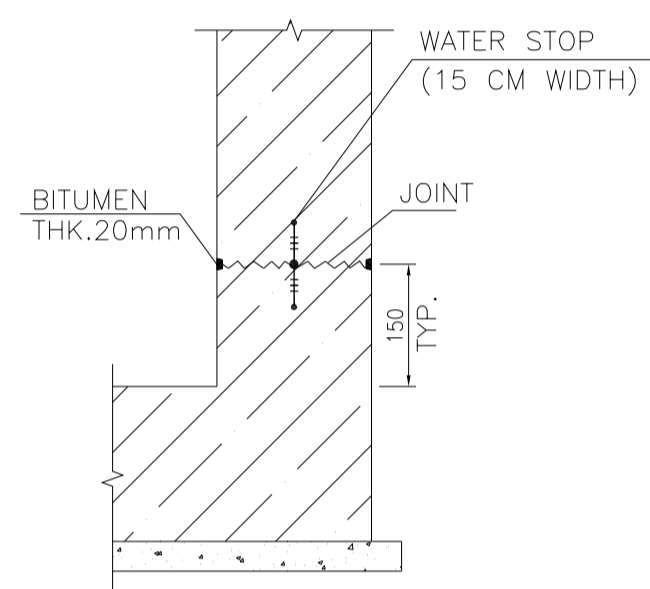
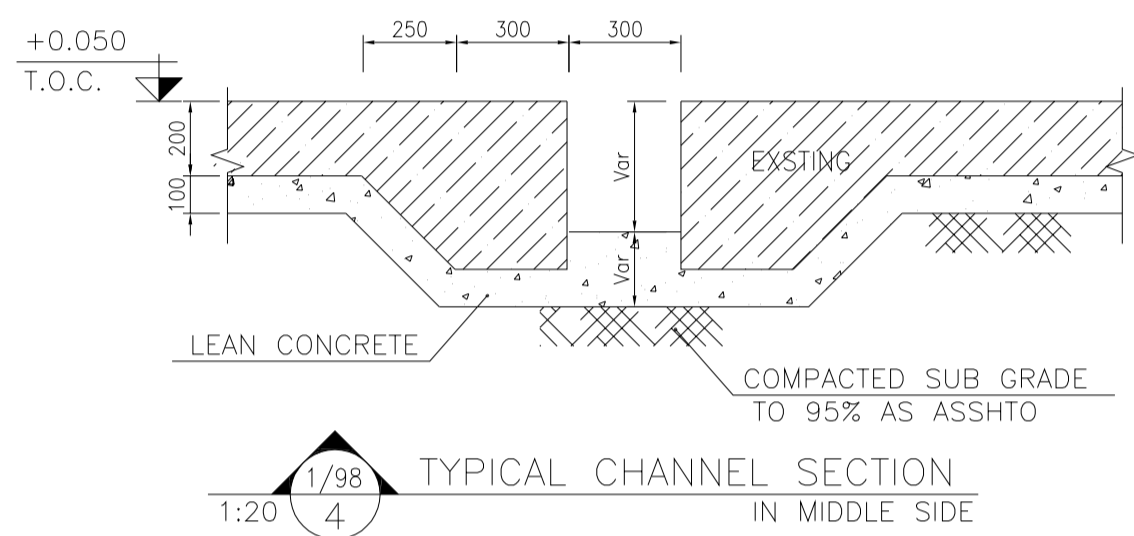
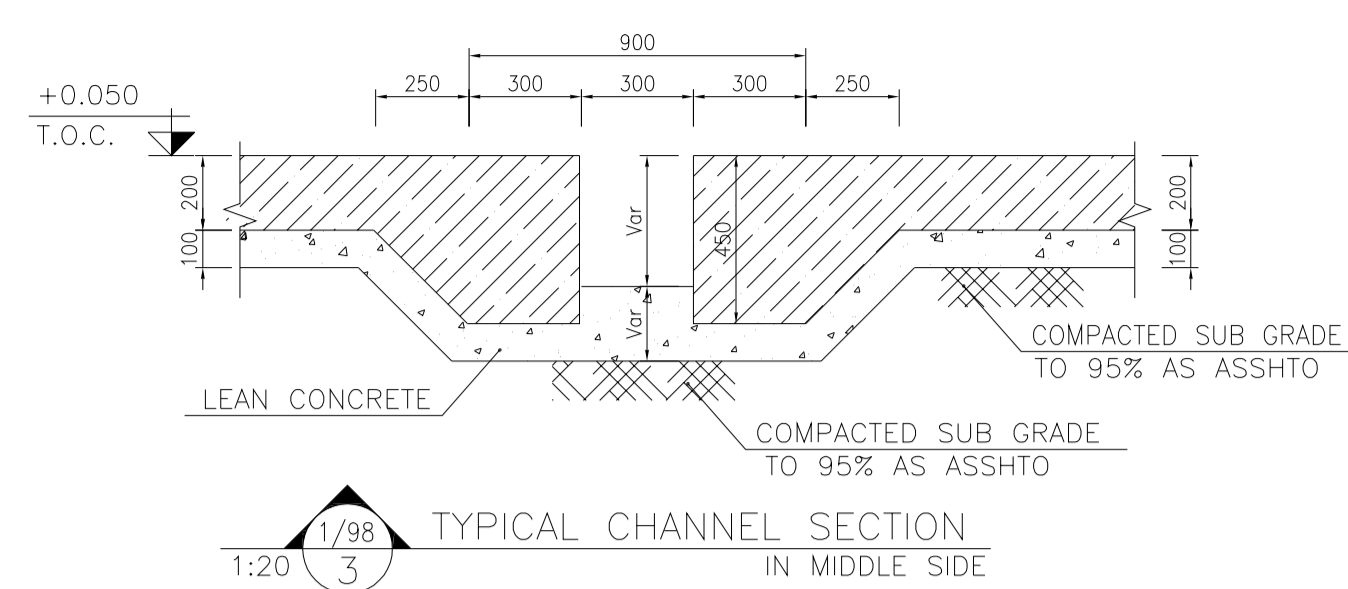
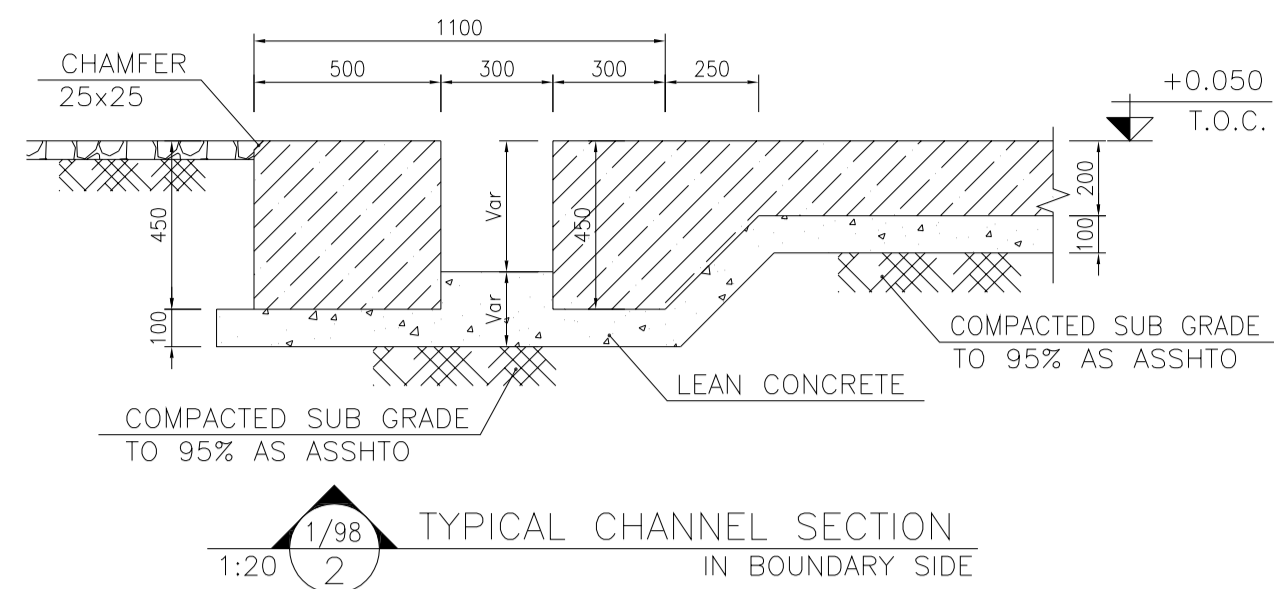
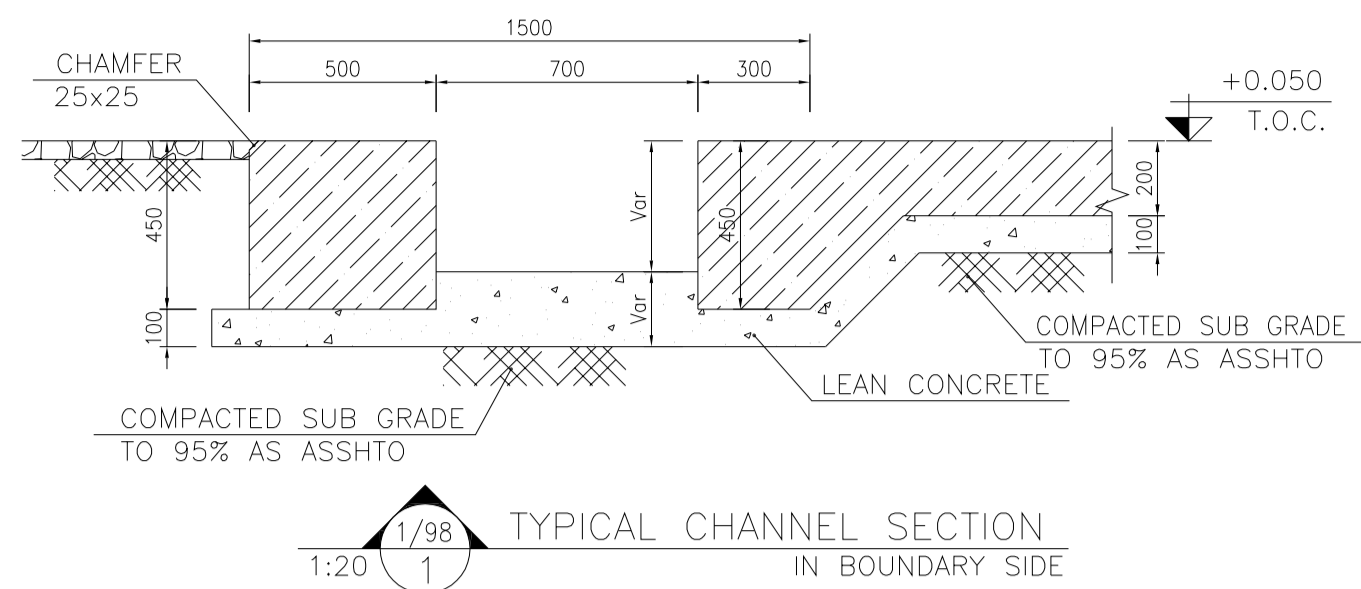
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WELLPAD FOUNDATION REINFORCEMENT PLAN

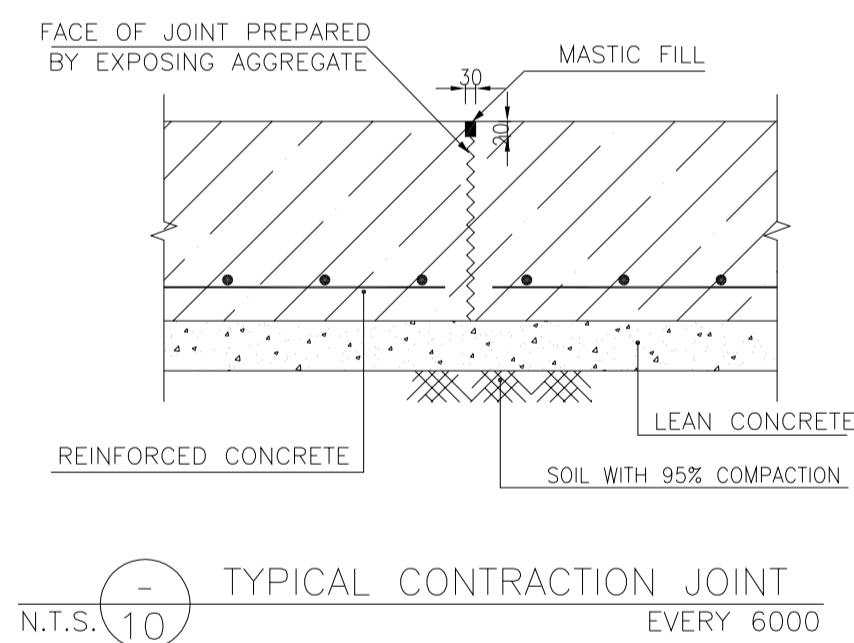
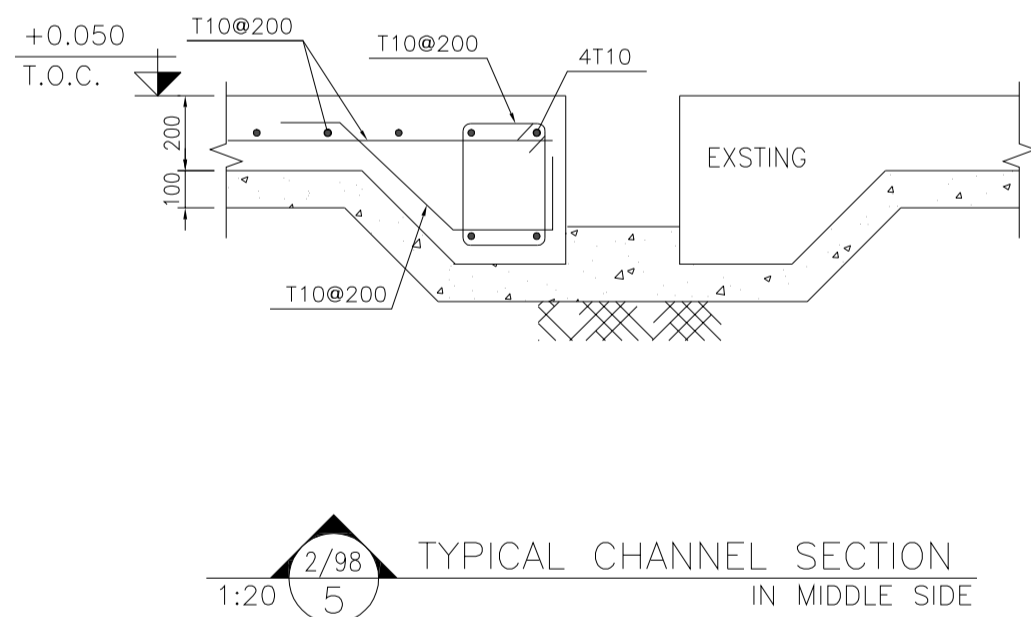
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

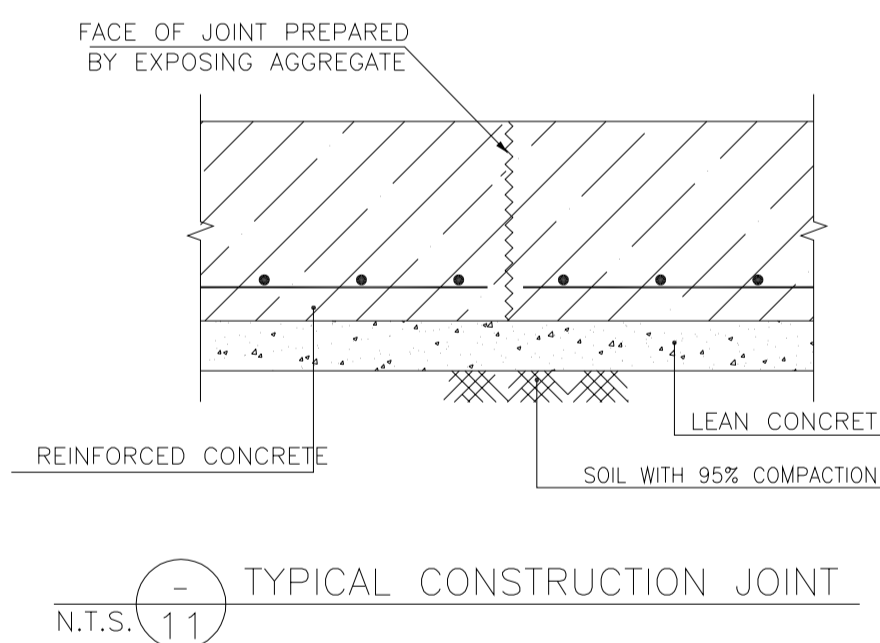
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	2 OF 98	D04	053-073-9184	F	4	S	708209	2	D04



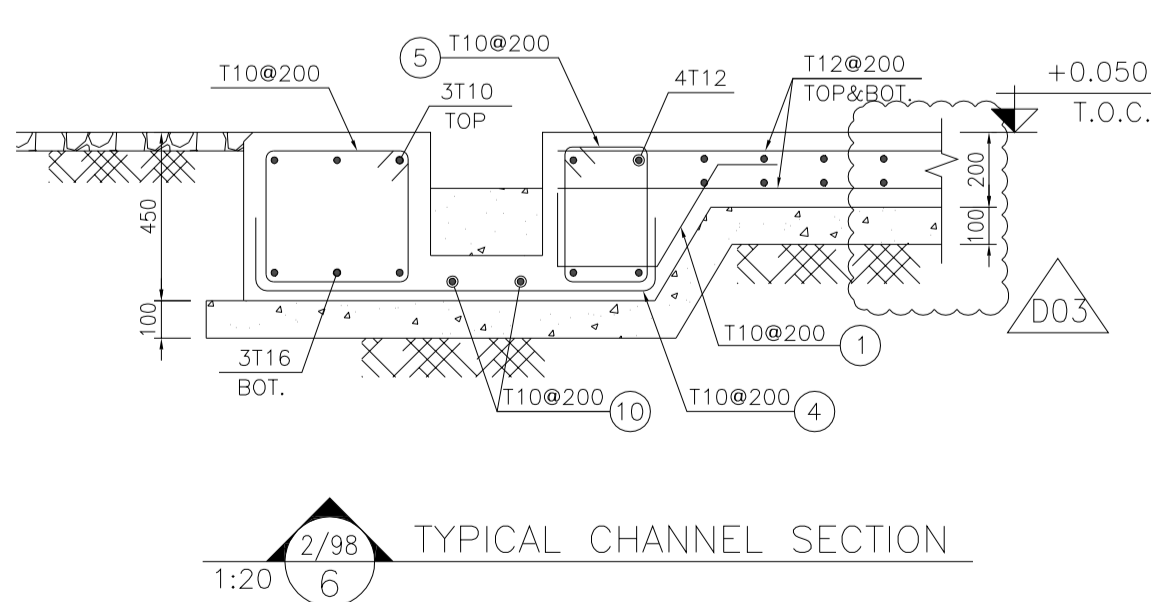
9 TYPICAL DETAIL OF WATER STOP
N.T.S.



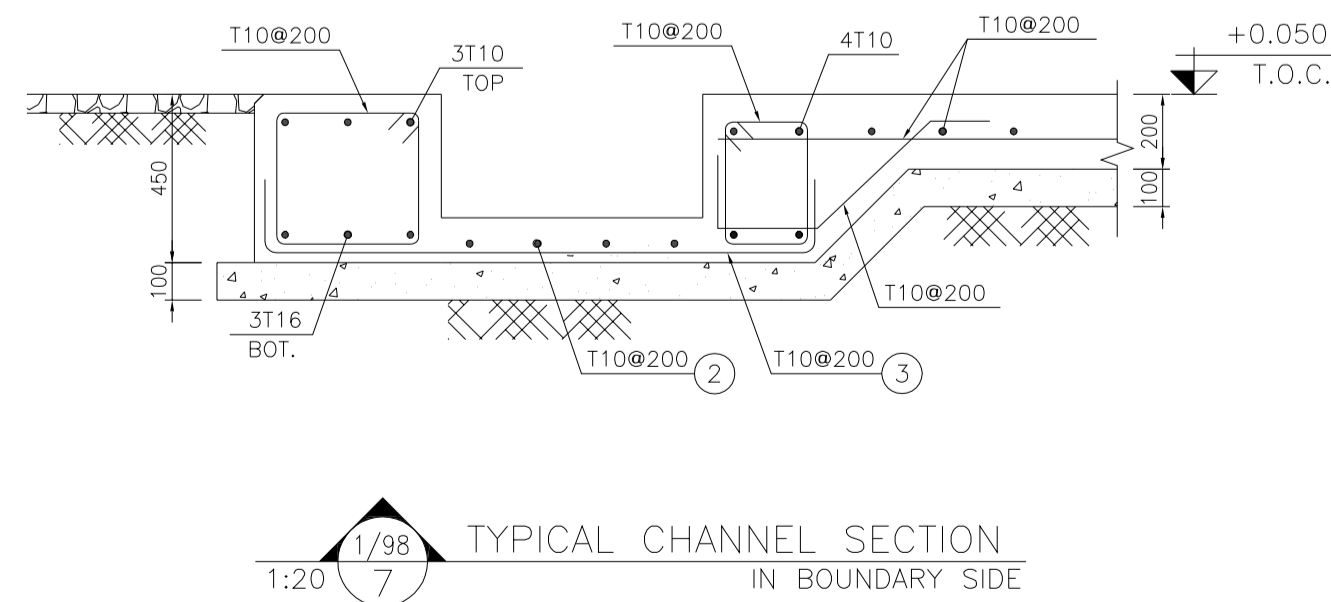
10 TYPICAL CONTRACTION JOINT EVERY 6000
N.T.S.



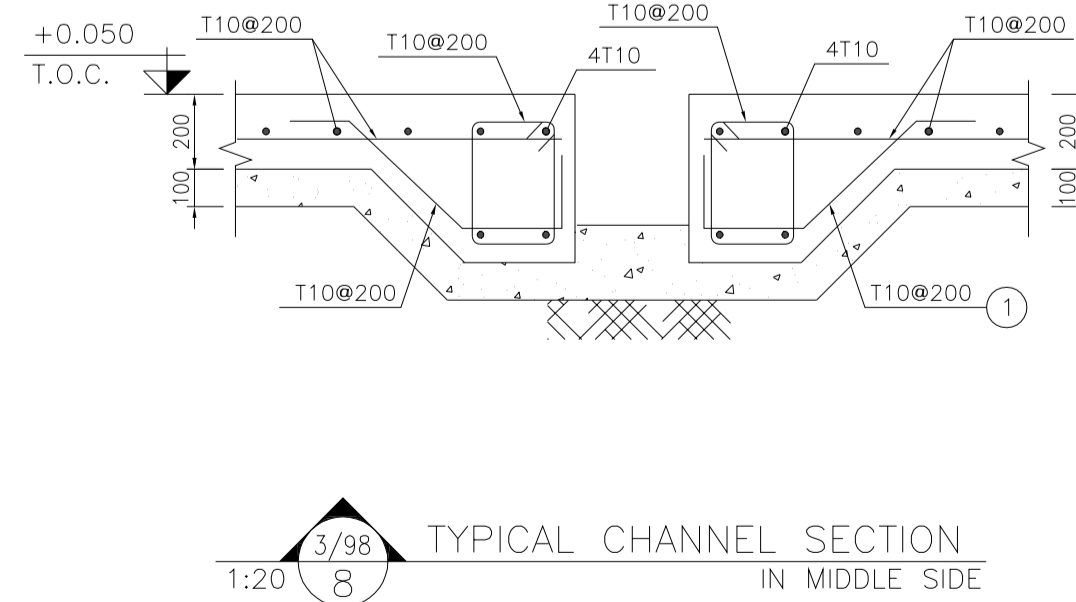
11 TYPICAL CONSTRUCTION JOINT
N.T.S.



6 TYPICAL CHANNEL SECTION
1:20



7 TYPICAL CHANNEL SECTION IN BOUNDARY SIDE
1:20



8 TYPICAL CHANNEL SECTION IN MIDDLE SIDE
1:20

* SHOULD BE USED MICRO SILICA IN THE FLOOR AND WALLS CONCRETE. (IN THE FORM OF A GEL CONTAINING FIBER MATERIAL)

** SHOULD BE USED THE EMULSION ON CONCRETE EXPOSED WITH SOIL. B-90-COAT.M.E IS A BITUMEN-BASED ONE-COMPONENT EMULSION PROTECTIVE COATING TO PREVENT THE PENETRATION OF DESTRUCTIVE SALTS & IONS. THIS MATERIAL IS CONTROLLED ACCORDING TO THE FOLLOWING STANDARDS: ASTM D1227, ASTM D2939, ASTM D1640

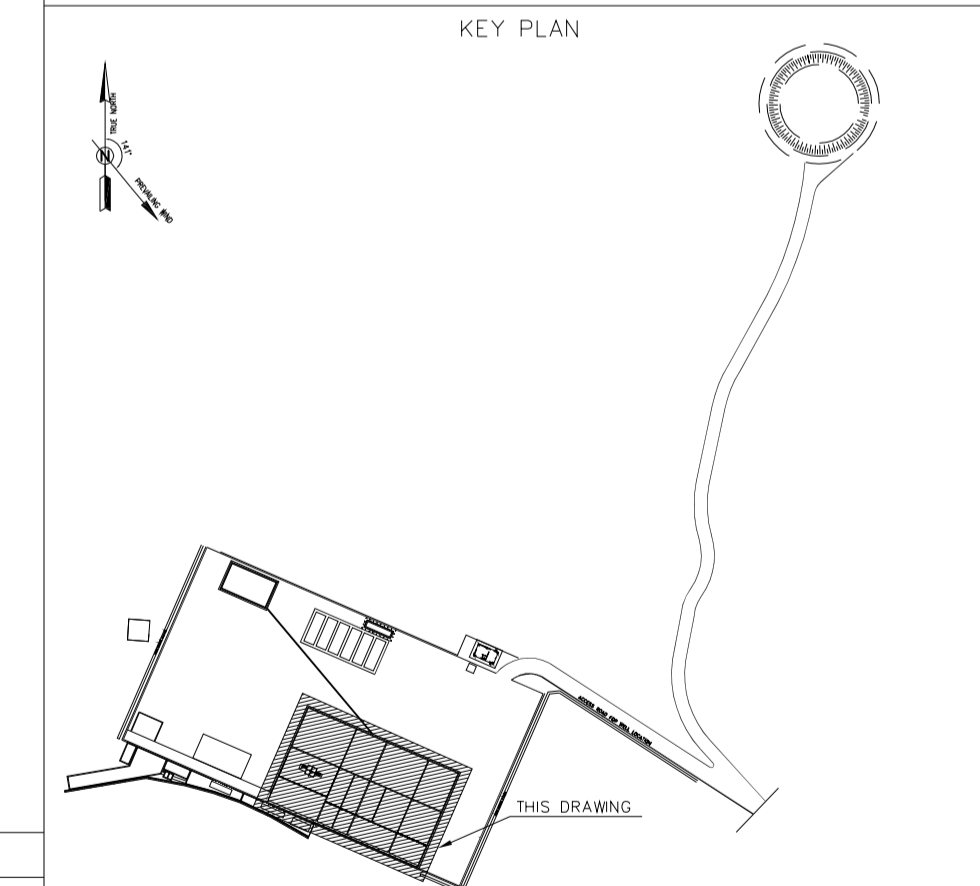
NOTES

- ALL COORDINATES ARE IN METER.
- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW: HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84) MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM) VERTICAL DATUM: MSL
- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
T.O.F.	TOP OF FOUNDATION		
T.O.W.	TOP OF WALL		
T.O.C.	TOP OF CONCRETE		
T.O.PIT	TOP OF PIT		
B.O.P.	BOTTOM OF PIPE		
R.G.L.	ROUGH GRADING LEVEL		
T.O.R.	TOP OF ROAD		
B.O.C.	BOTTOM OF CONCRETE		

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR DIESEL GENERATOR TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



Pos	Spec.	Shope	L/A	No.	T10	T16
1	T10		1.050	2570	2698.500	
2	T10		0.460	4	1.840	
3	T10		1.900	295	560.500	
4	T10		1.500	680	1020.000	
5	T10		1.350	896	1209.600	
6	T10		7.000	6	42.000	
7	T10		12.000	814	9768.000	
8	T10		11.000	8	88.000	
9	T10		1.700	596	1013.200	
10	T10		2.700	2	5.400	
11	T16		12.000	18		216.000
12	T10		1.850	3	5.550	
13	T16		1.850	3		5.550
14	T10		6.115	3	18.345	
15	T16		6.115	3		18.345
16	T10		9.000	227	2043.000	
17	T10		4.350	311	1352.850	
18	T10		5.550	121	671.550	
19	T10		1.500	318	477.000	
20	T10		9.730	101	982.730	
21	T10		8.450	130	1098.500	
22	T10		3.750	80	300.000	
23	T10		7.950	209	1661.550	
24	T10		5.850	82	479.700	
25	T10		6.250	70	437.500	
26	T10		5.250	147	771.750	
27	T10		10.250	70	717.500	
TOTAL LENGTH OR AREA (m/m ²)					27424.57	239.90
UNIT WEIGHT (Kg)					0.617	1.578
WEIGHT (Kg)					16920.95	378.56
GRAND TOTAL (Kg)					17300 Kg.	

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

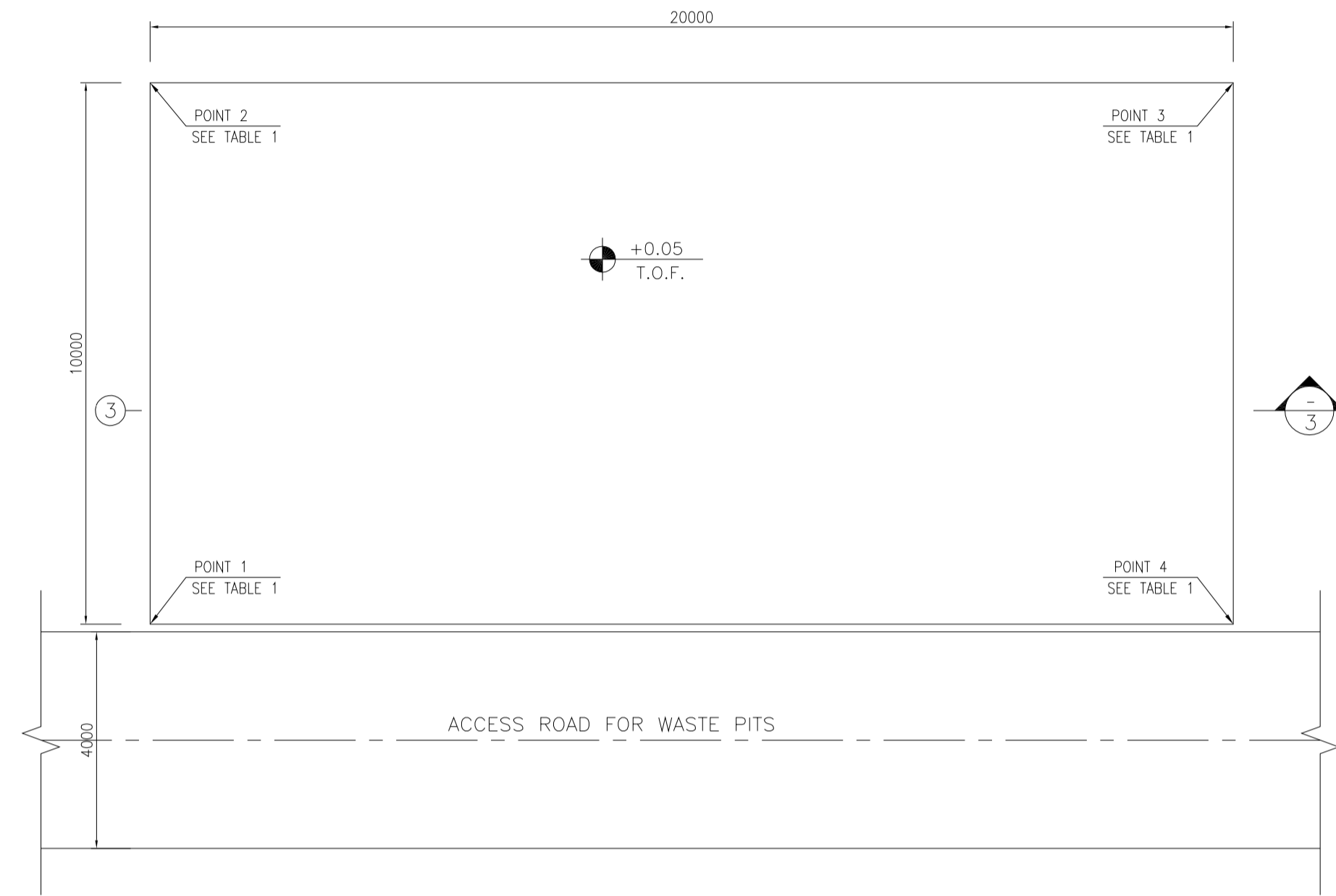
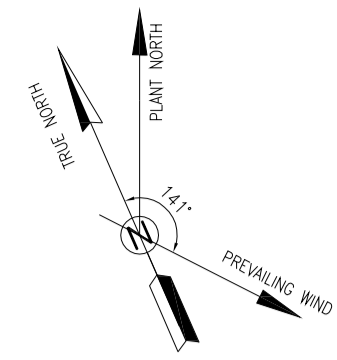
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WELLPAD AND RIG FOUNDATION DETAILS & SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

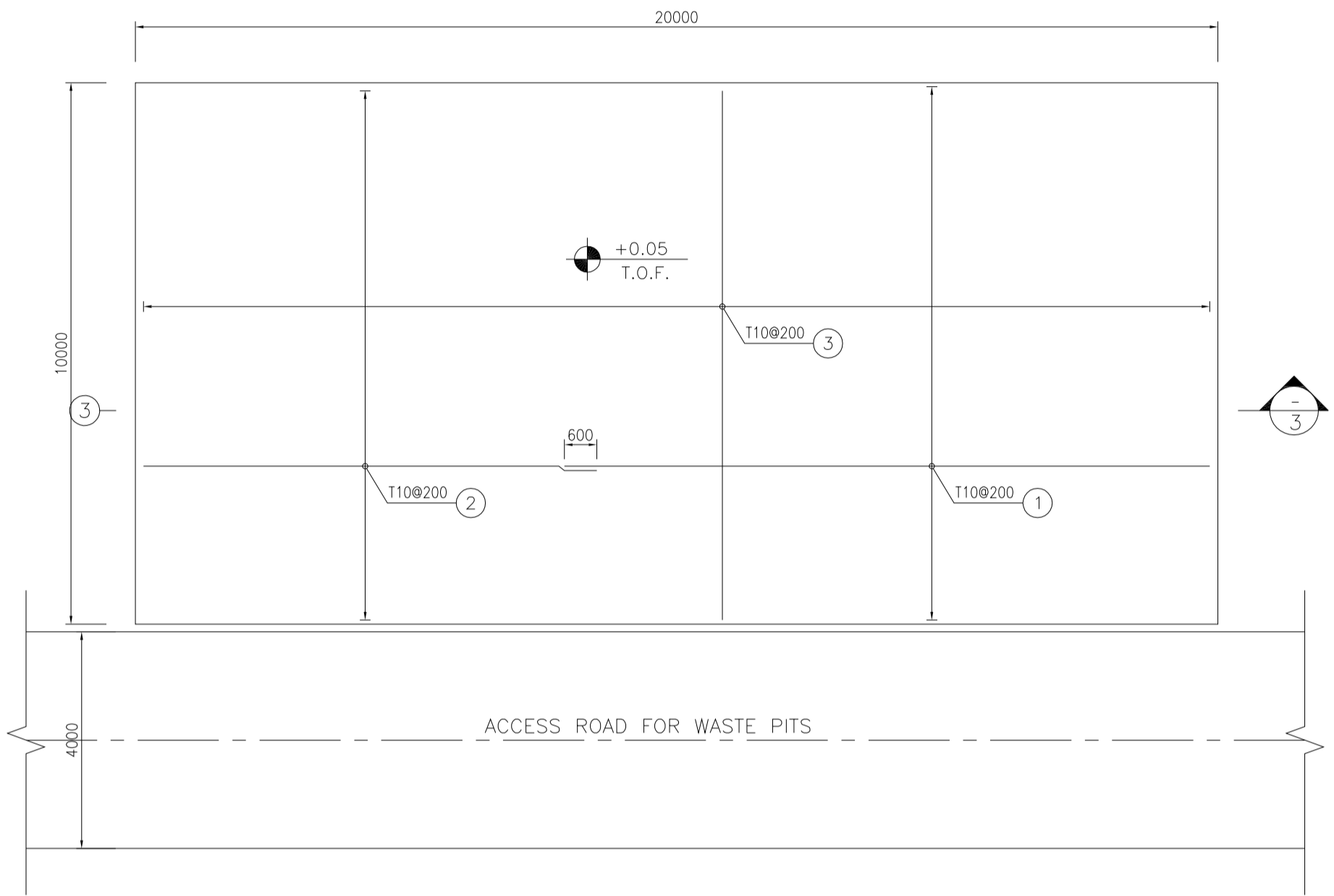
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

APPROVED FOR CONSTRUCTION	BY:	DATE:

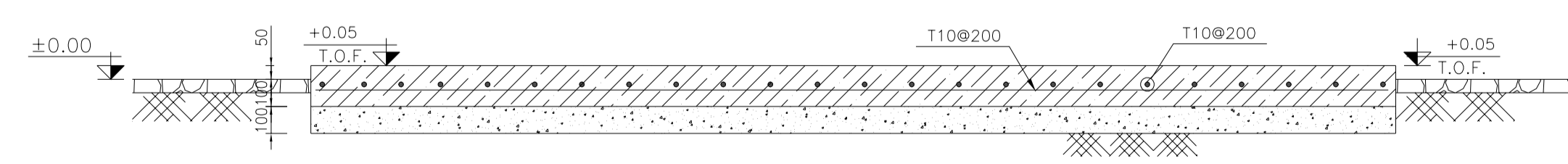
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	3 OF 98	D04	053-073-9184	F	4	S	708209	3	D04



1:100 (2) DEWATERING PLAN FORMWORK



1:100 (2) DEWATERING PLAN REINFORCEMENT



1:20 (3) REINFORCEMENT

TABLE 1
(CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437788.334	N=3295008.667
POINT 2	E=437792.331	N=3295017.834
POINT 3	E=437810.664	N=3295009.841
POINT 4	E=437806.667	N=3295000.674

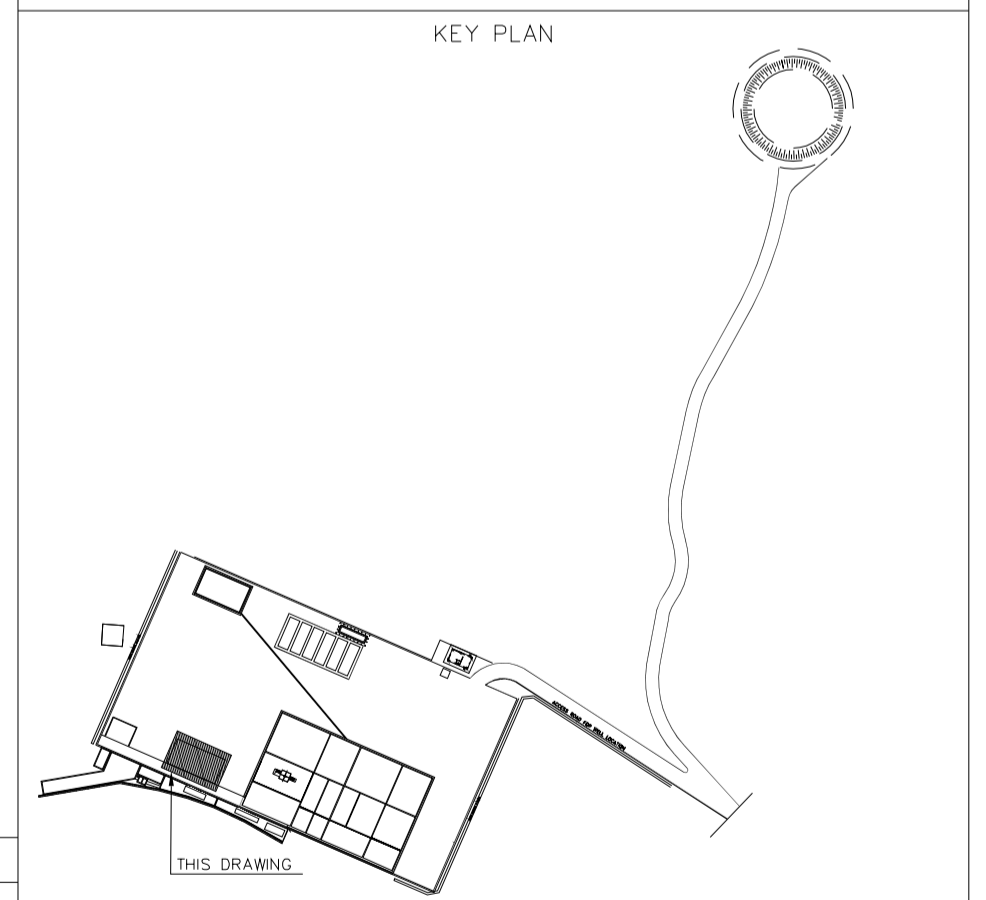
Pos	Spec.	Shape	L/A	No.	T10
1	T10	12000	12.000	51	612.000
2	T10	8450	8.450	51	430.950
3	T10	9850	9.850	101	994.850
TOTAL LENGTH OR AREA (m/m2)					2037.80
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					1257.32
GRAND TOTAL (Kg)					1257 Kg.

- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
T.O.F.	TOP OF FOUNDATION		
T.O.W.	TOP OF WALL		
T.O.C.	TOP OF CONCRETE		
T.O.PIT	TOP OF PIT		
B.O.P.	BOTTOM OF PIPE		
R.G.L.	ROUGH GRADING LEVEL		
T.O.R.	TOP OF ROAD		
B.O.C.	BOTTOM OF CONCRETE		

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWINGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWINGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 DEWATERING FORMWORK & REINFORCEMENT PLAN-SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	4 OF 98	D04	053-073-9184	F	4	S	708209	4	D04

REV. DESCRIPTION BY DATE BY DATE

CHECKED: _____ REV. APPR. _____

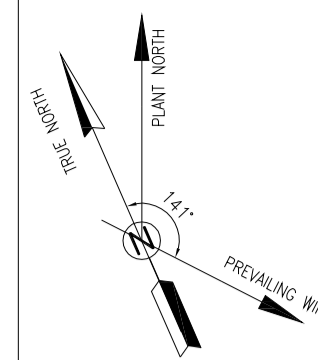
اخذ و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشند.

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: _____ DATE: _____



D04

- NOTES
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW: HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84) MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM) VERTICAL DATUM: MSL
 - 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

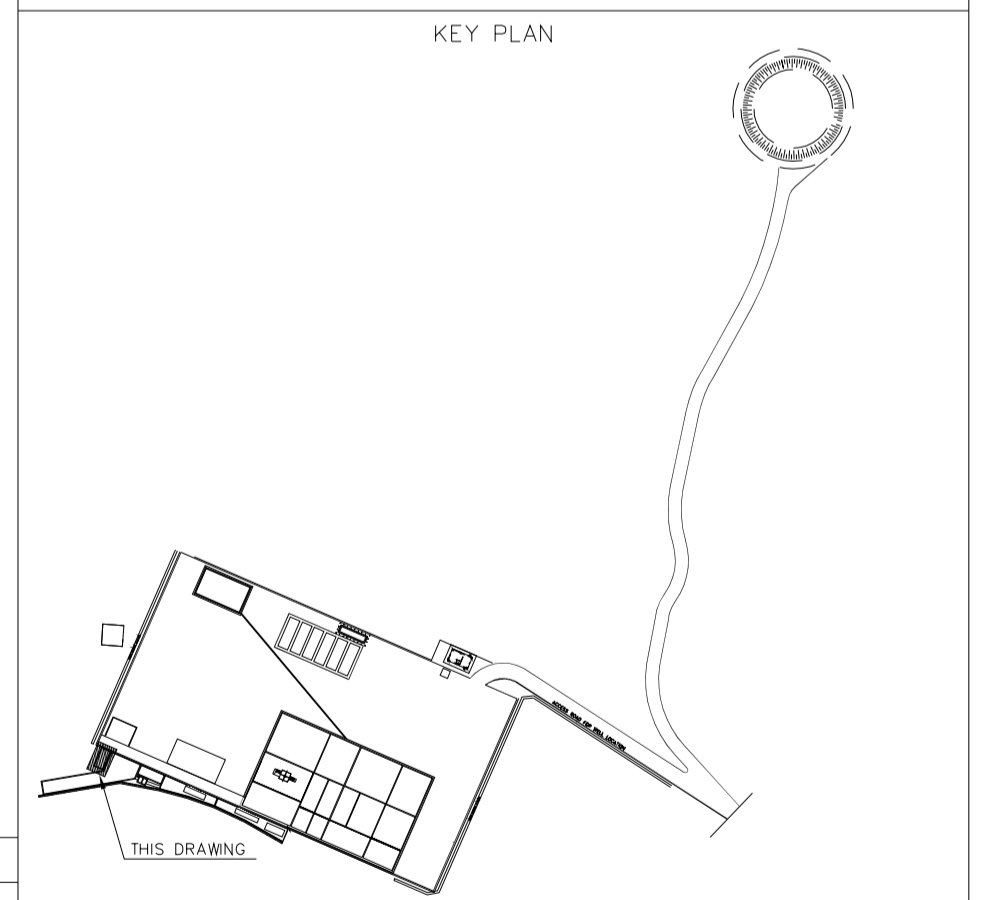
LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD
B.O.C. BOTTOM OF CONCRETE

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



REV.	DESCRIPTION	BY	DATE	BY	DATE	
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

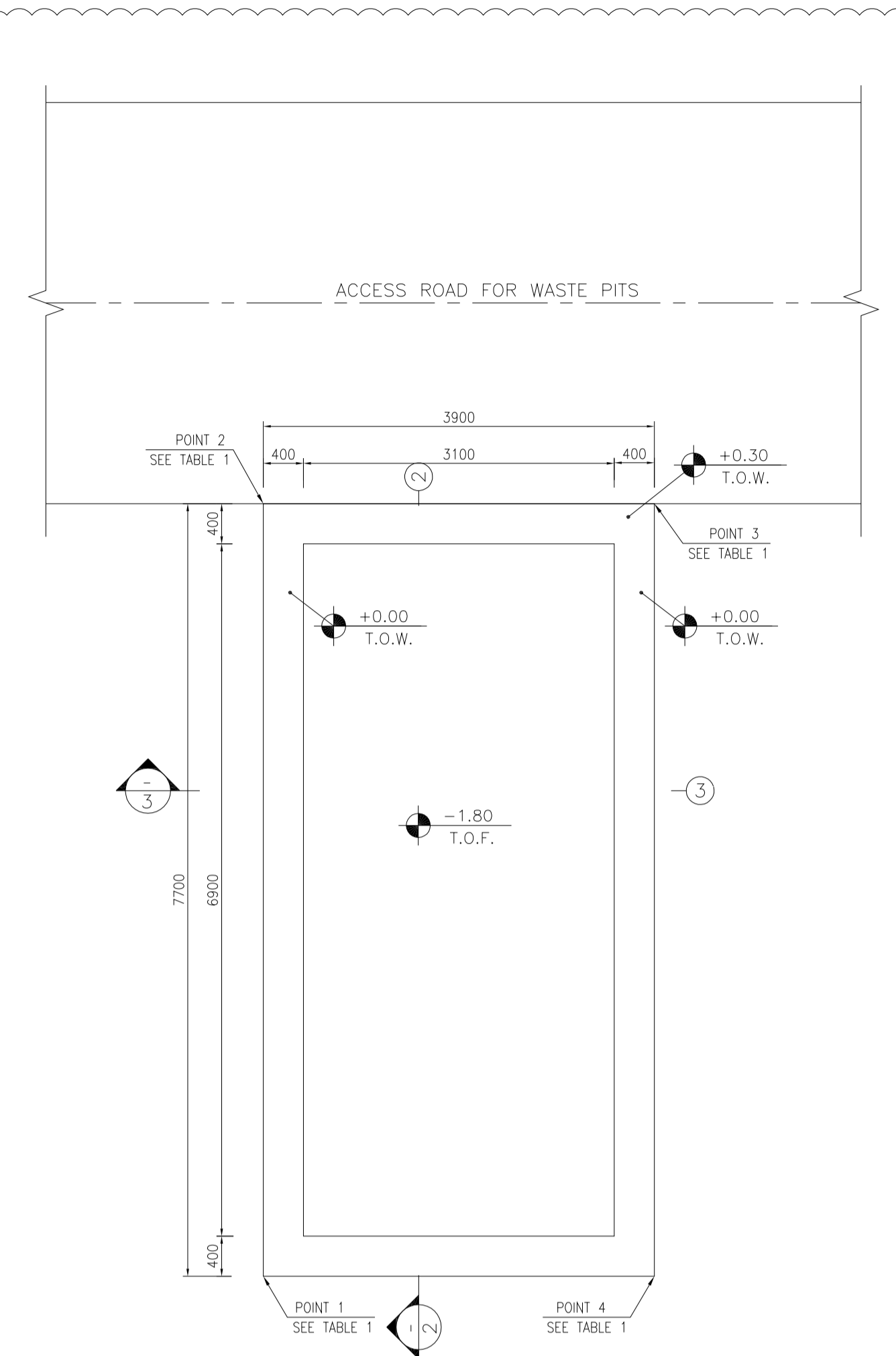
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

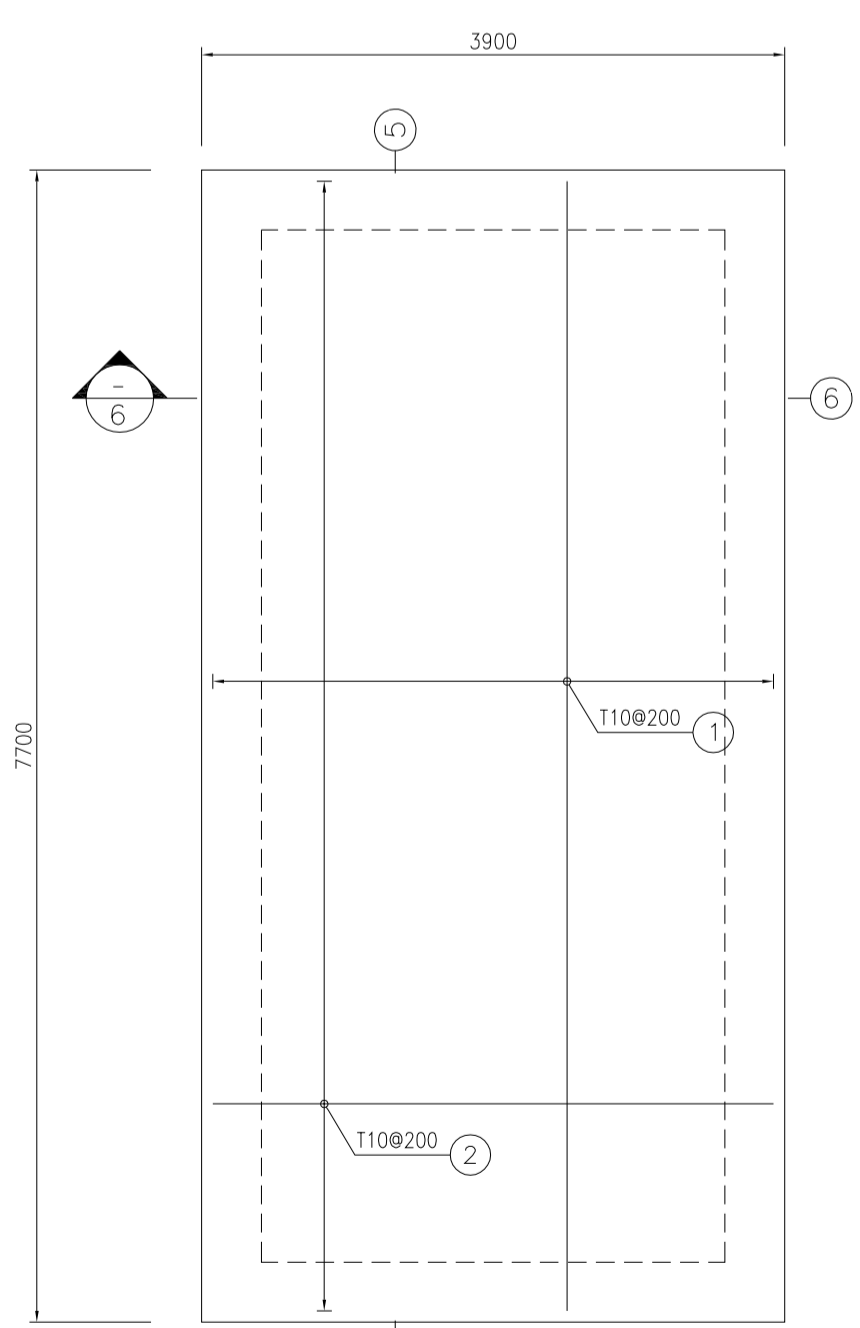
DATE: SCALE: DRAWING BY: CHECKED BY: PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 CUTTING DISPOSAL FORMWORK & REINFORCEMENT PLAN-SECTION

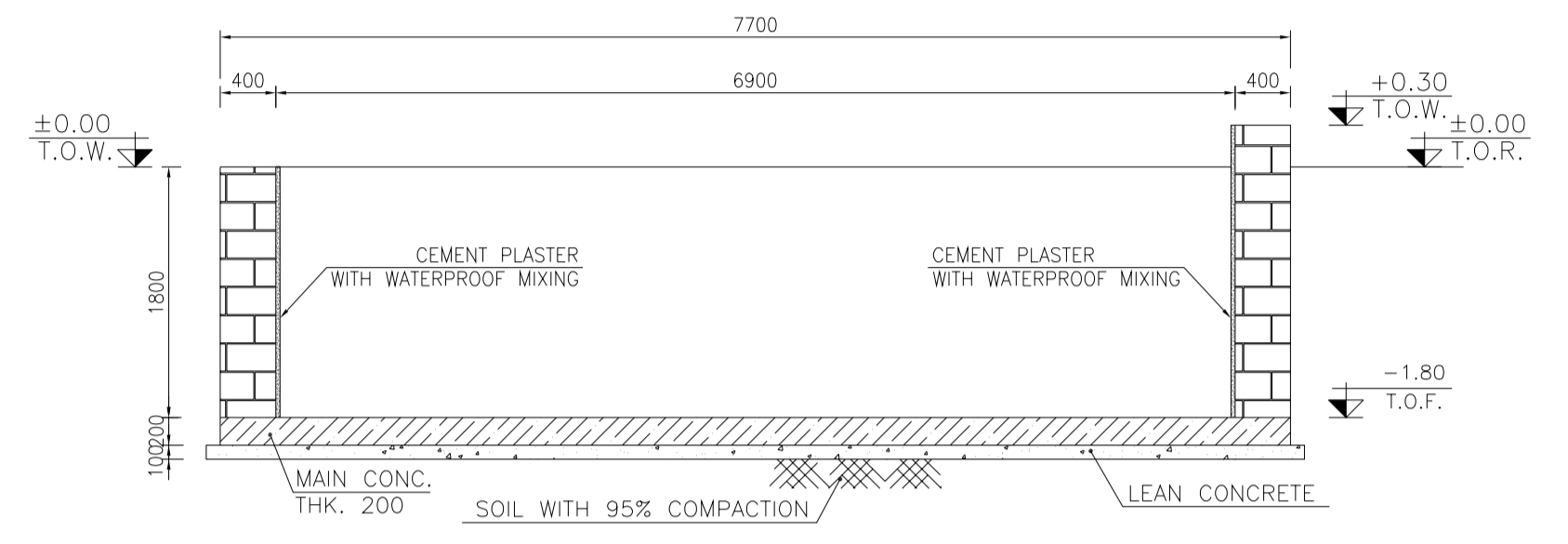
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	5 OF 98	D04	053-073-9184	F	4	S	708209	5	D04



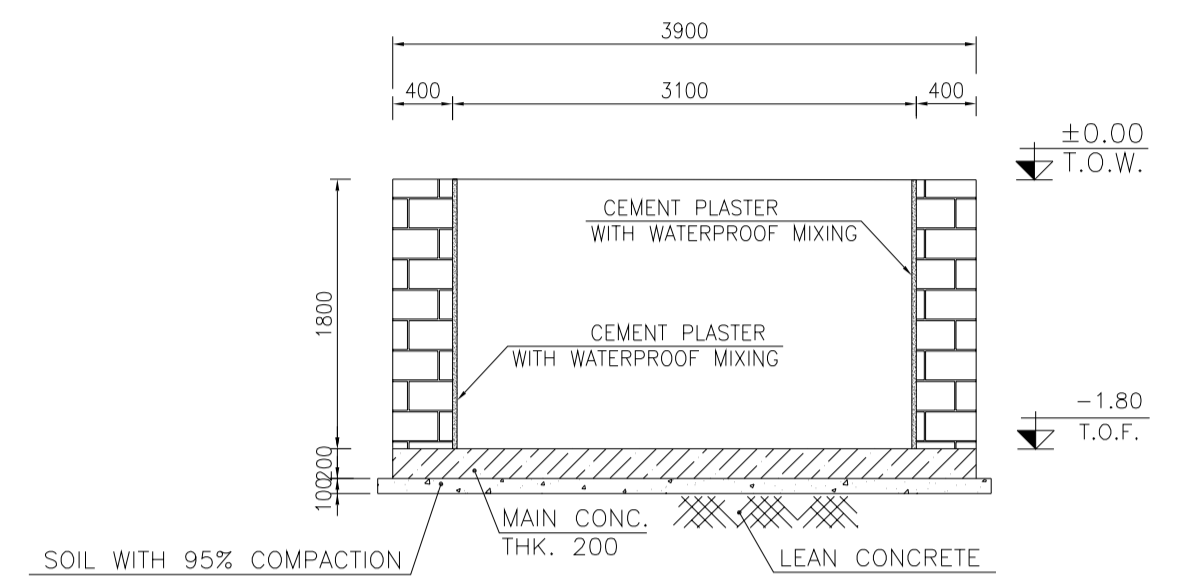
1:50 1 CUTTING DISPOSAL PLAN



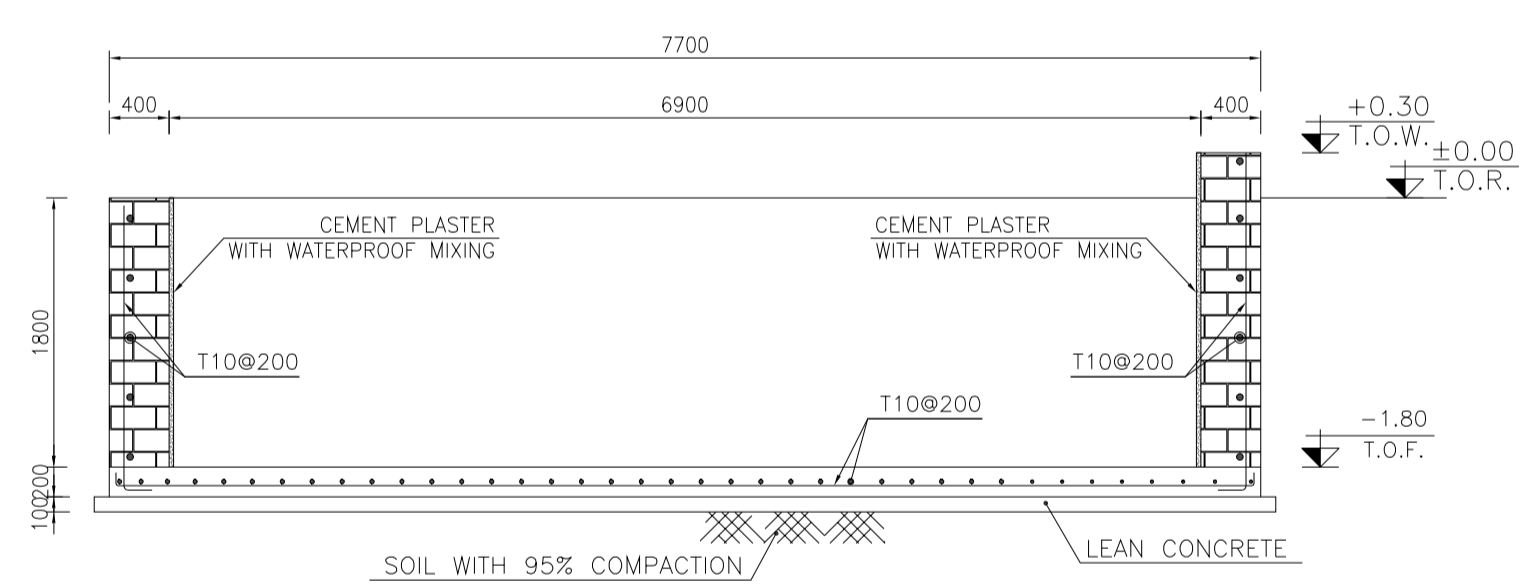
1:50 4 CUTTING DISPOSAL PLAN REINFORCEMENT



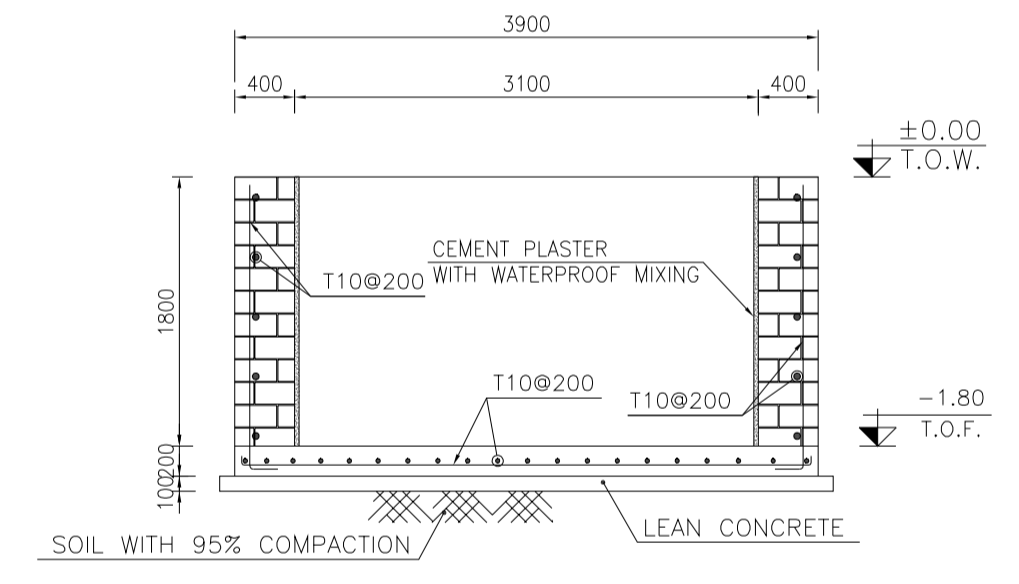
1:50 2 FORMWORK



1:50 3 FORMWORK



1:50 5 REINFORCEMENT

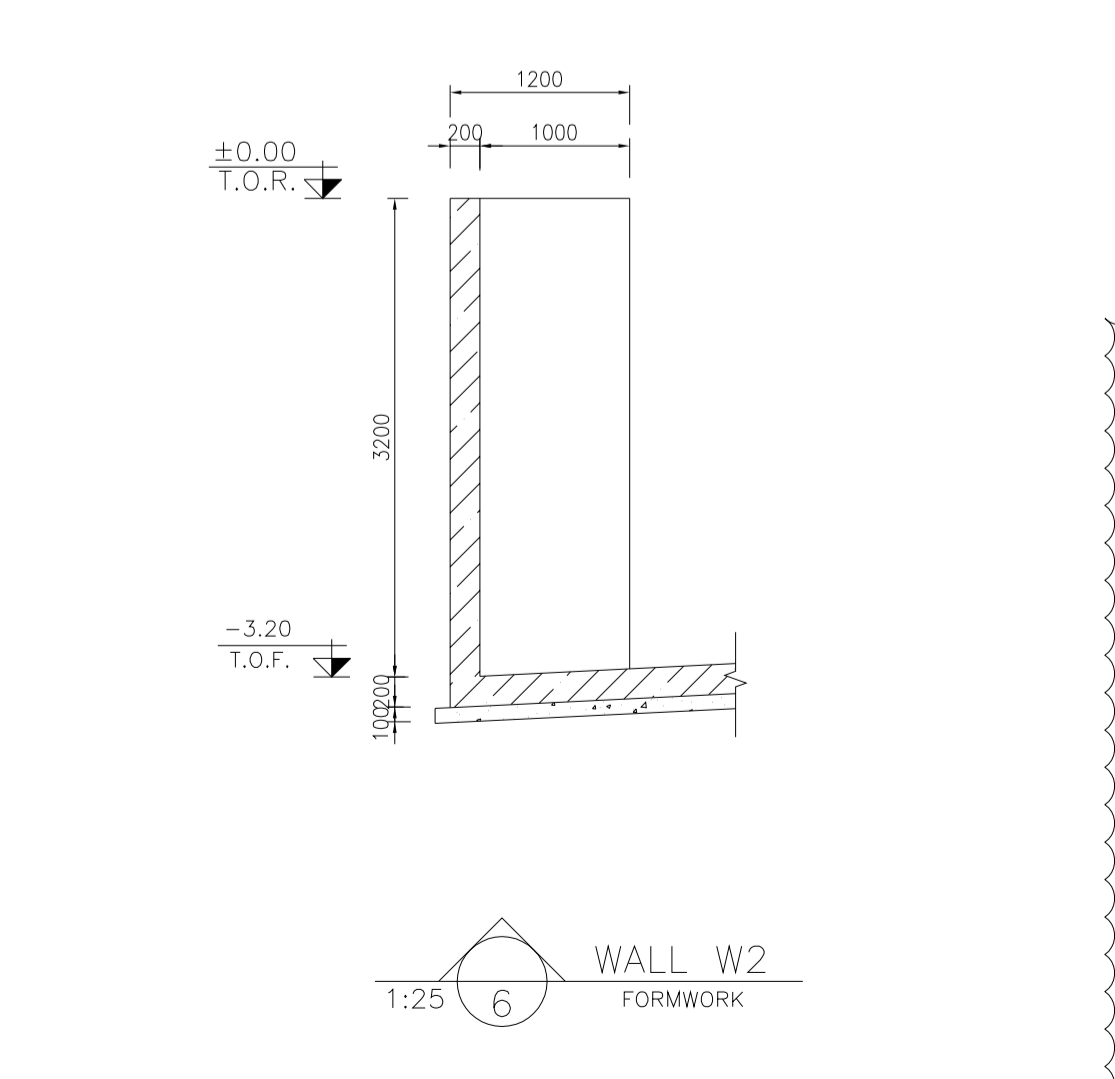
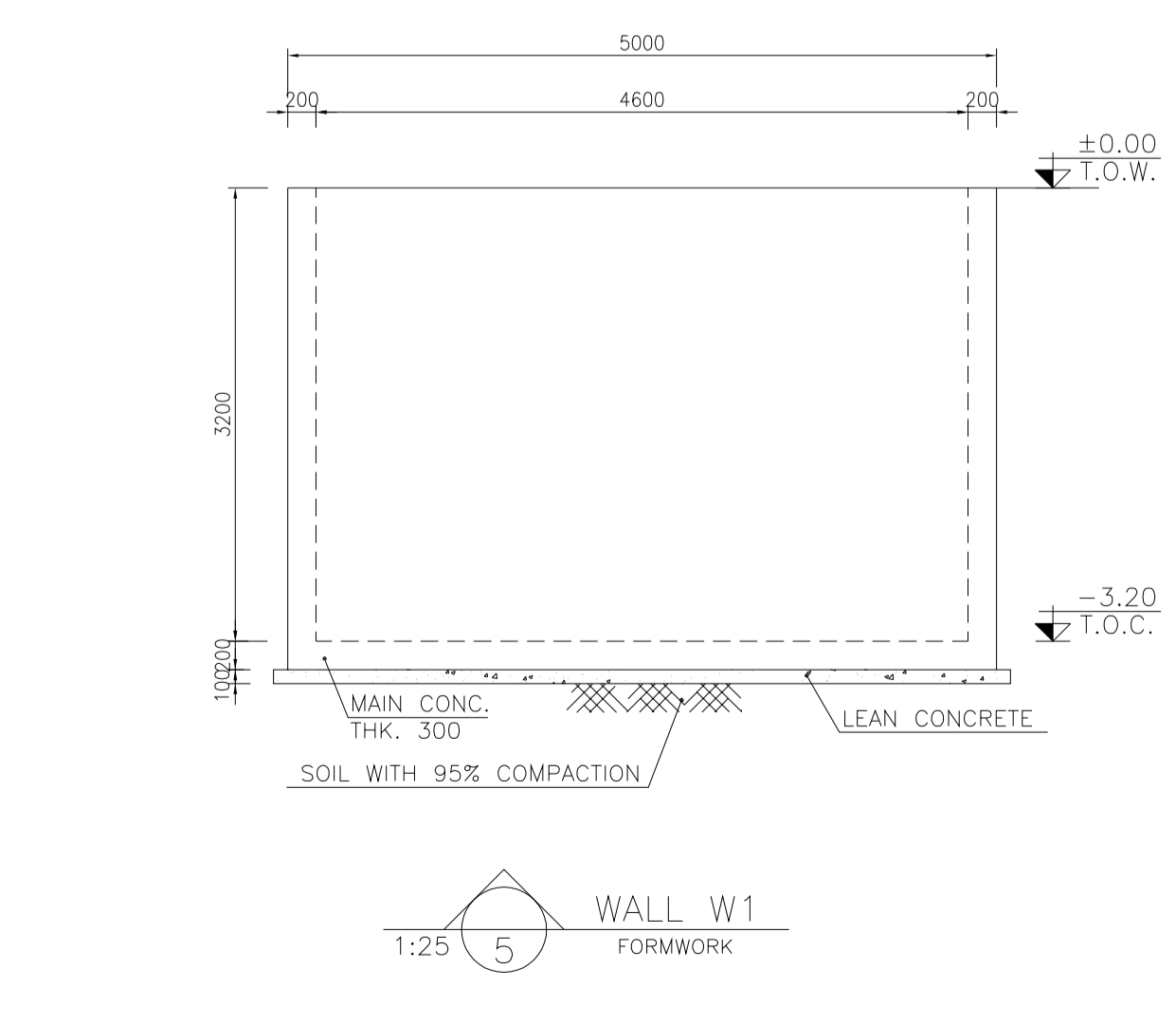
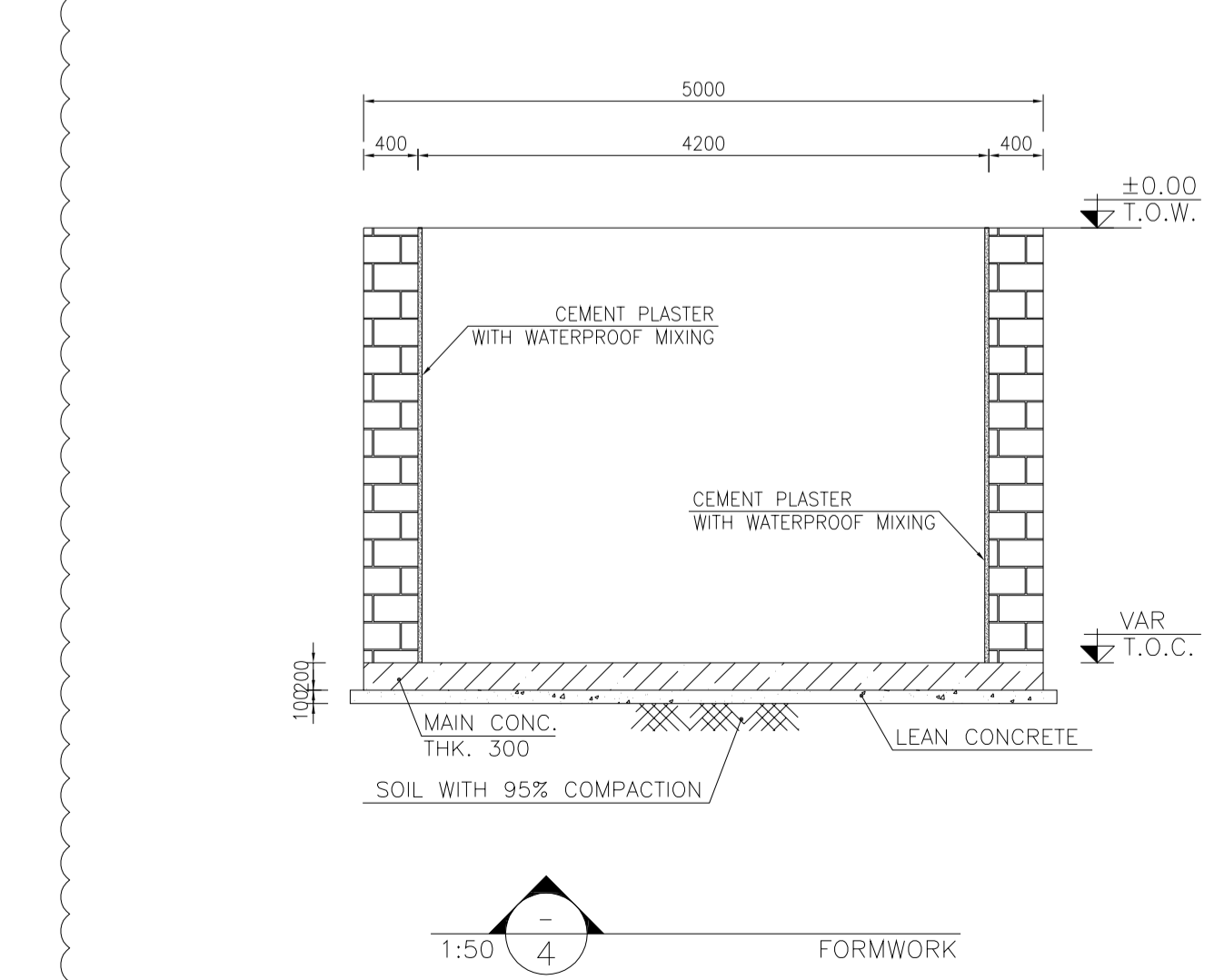
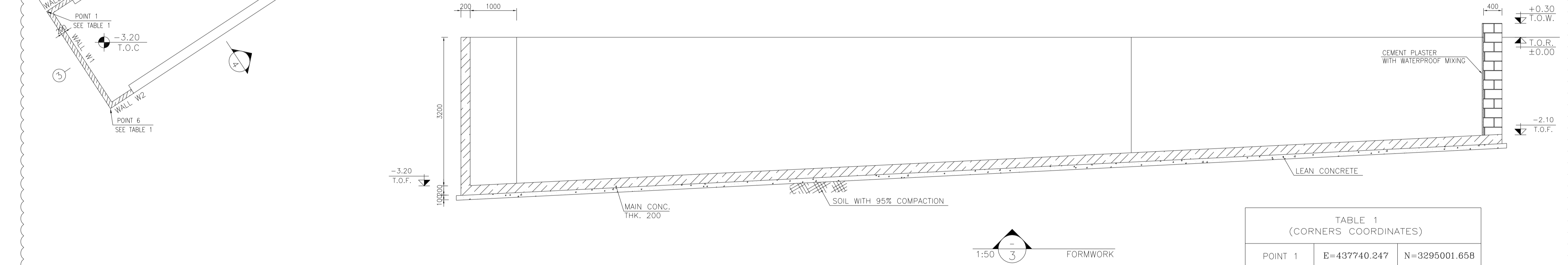
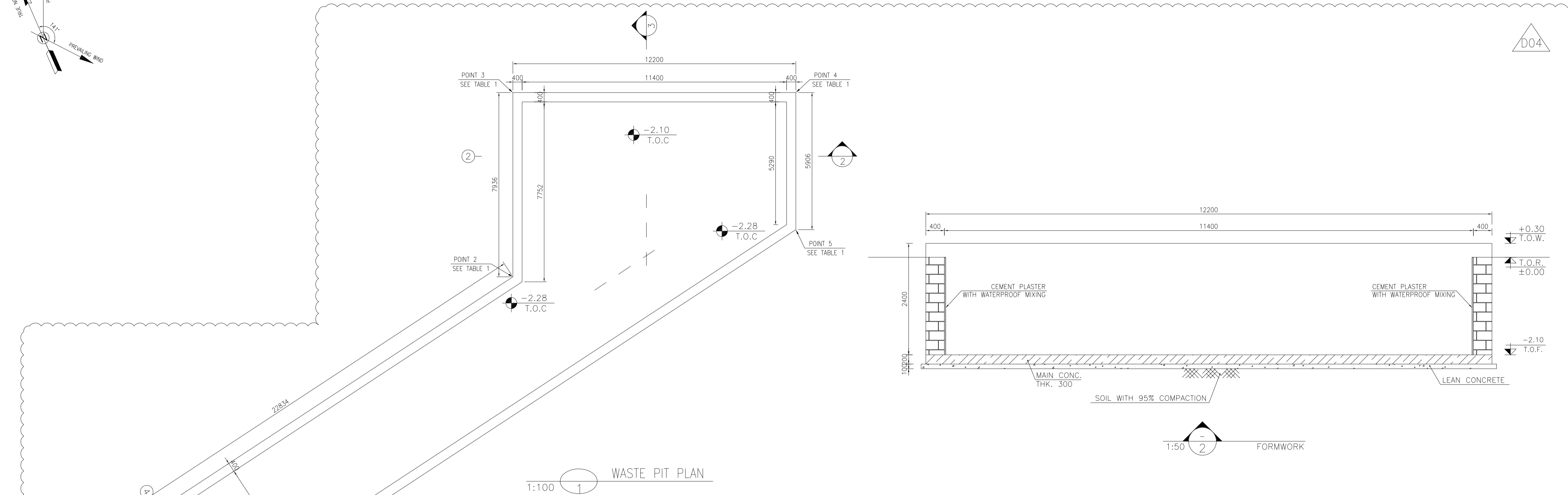
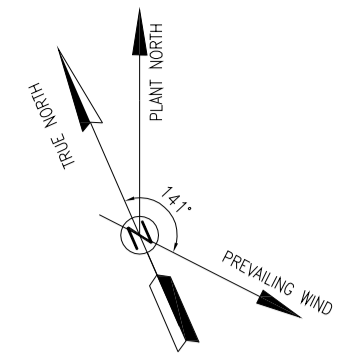


1:50 6 REINFORCEMENT

TABLE 1 (CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437760.293	N=3295007.536
POINT 2	E=437763.370	N=3295014.594
POINT 3	E=437766.945	N=3295013.035
POINT 4	E=437763.868	N=3295005.977

Pos	Spec.	Shope	L/A	No.	T10
1	T10	7550	7.550	20	151.000
2	T10	3750	3.750	39	146.250
TOTAL LENGTH OR AREA (m/m2)					297.25
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					183.40
GRAND TOTAL (Kg)					183 Kg.



**TABLE 1
(CORNERS COORDINATES)**

POINT	E	N
POINT 1	E=437740.247	N=3295001.658
POINT 2	E=437763.979	N=3295005.730
POINT 3	E=437767.129	N=3295012.956
POINT 4	E=437778.495	N=3295008.000
POINT 5	E=437776.113	N=3295002.537
POINT 6	E=437741.126	N=3294996.533

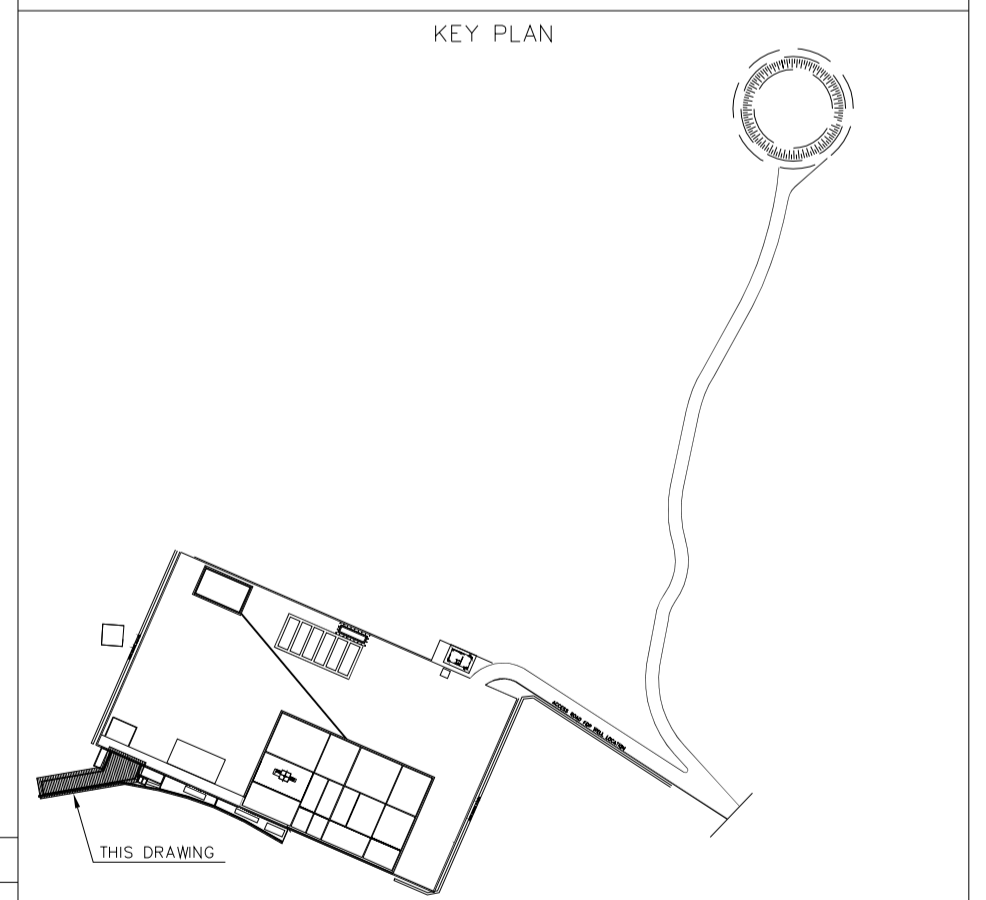
- NOTES**
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
	T.O.F.		TOP OF FOUNDATION
	T.O.W.		TOP OF WALL
	T.O.C.		TOP OF CONCRETE
	T.O.PIT		TOP OF PIT
	B.O.P.		BOTTOM OF PIPE
	R.G.L.		ROUGH GRADING LEVEL
	T.O.R.		TOP OF ROAD
	B.O.C.		BOTTOM OF CONCRETE

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

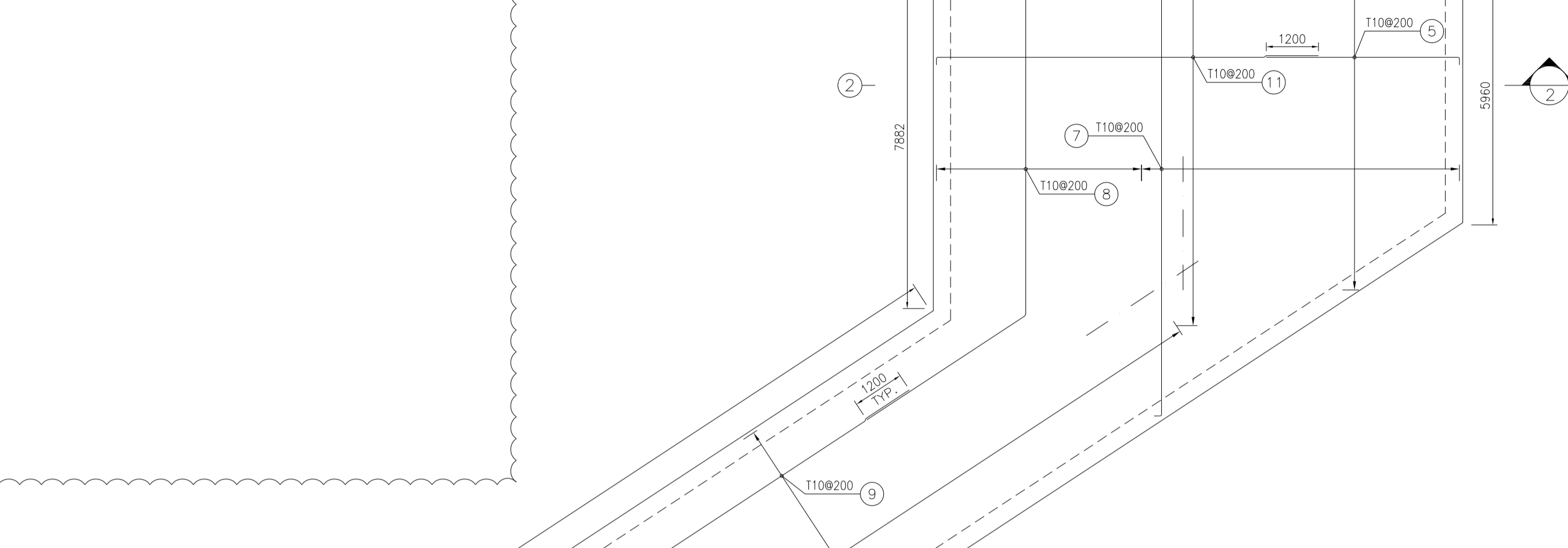
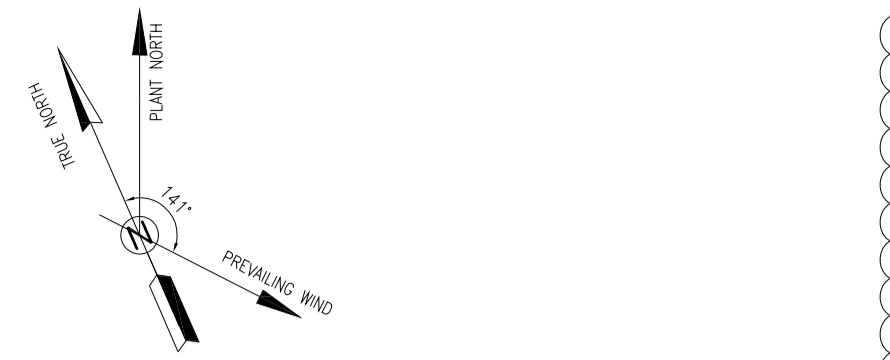
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

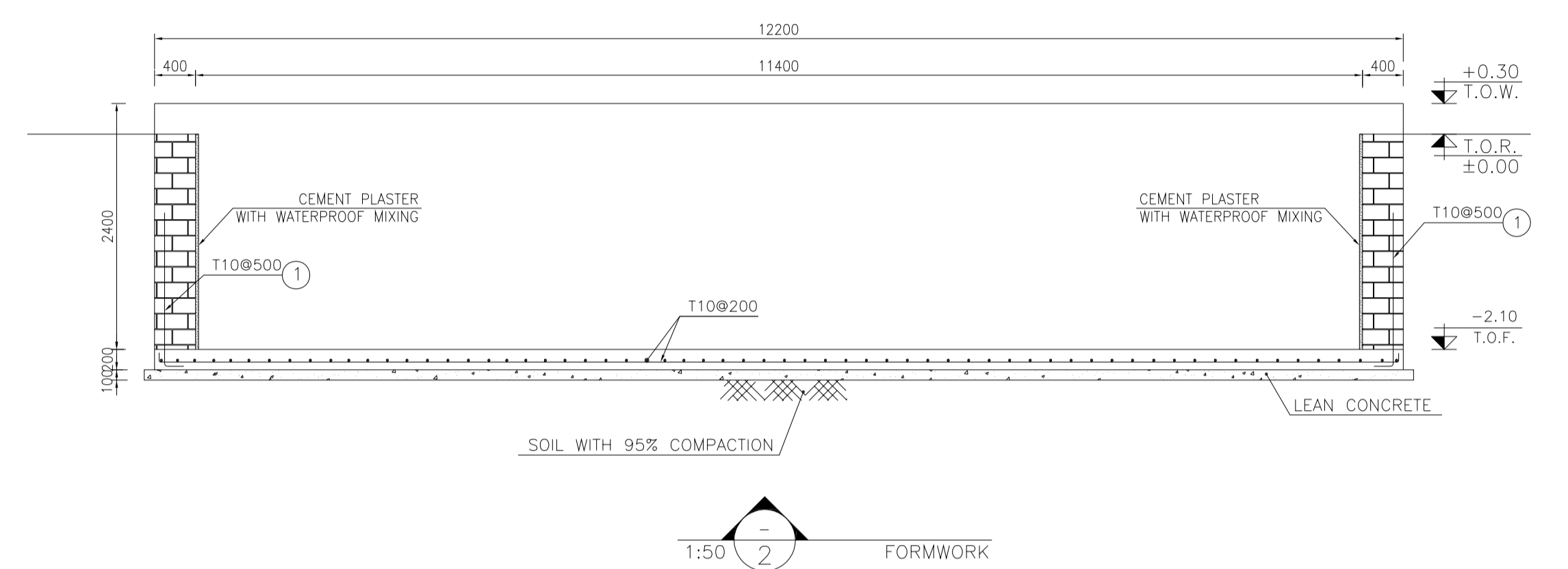
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WASTE PIT PLAN-SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

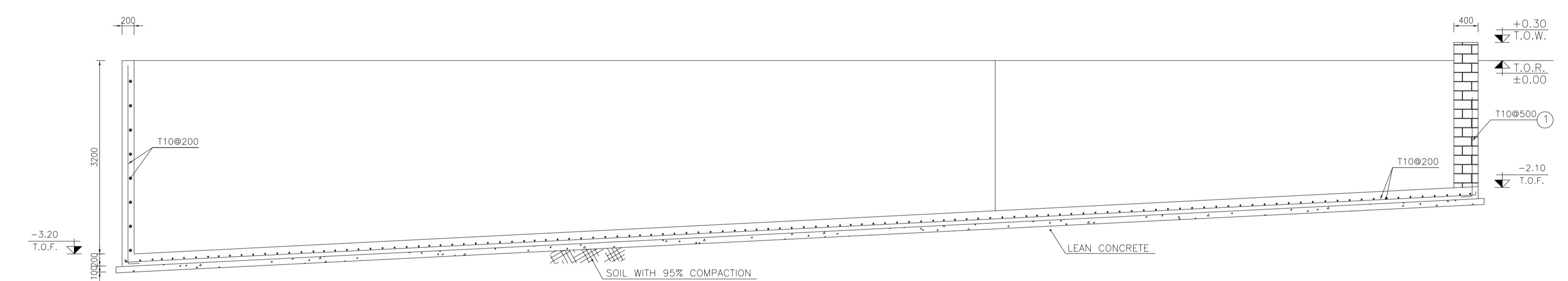
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	6 OF 98	D04	053-073-9184	F	4	S	708209	6	D04



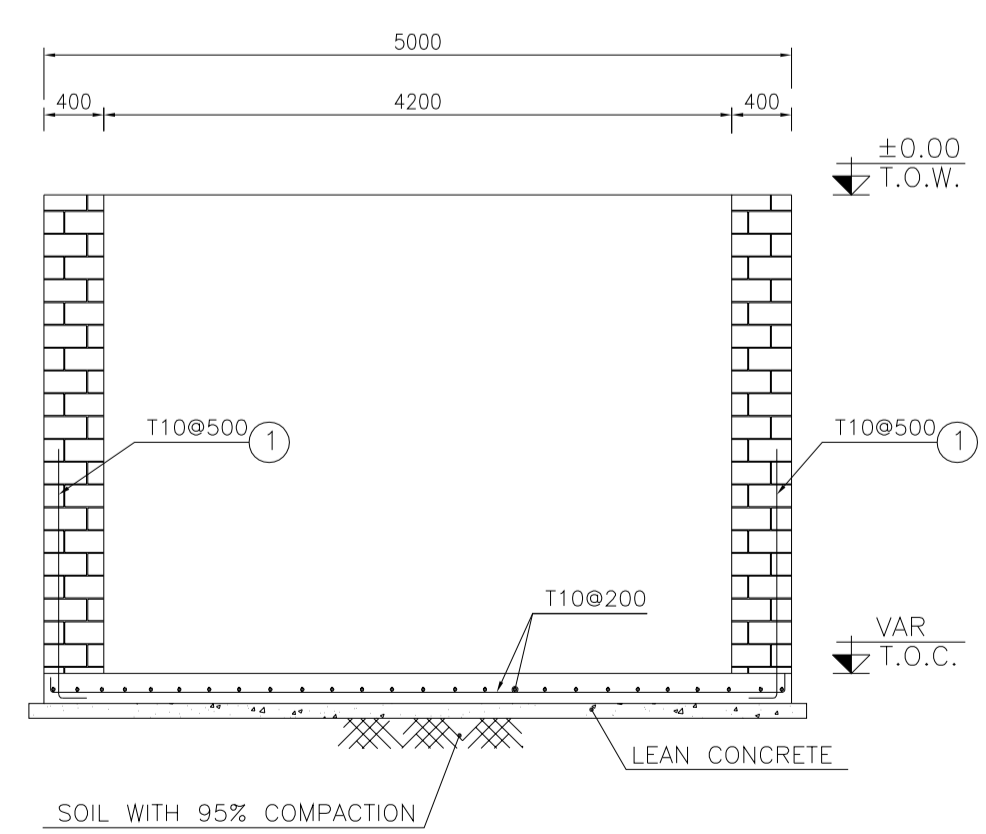
1:100 WASTE PIT PLAN



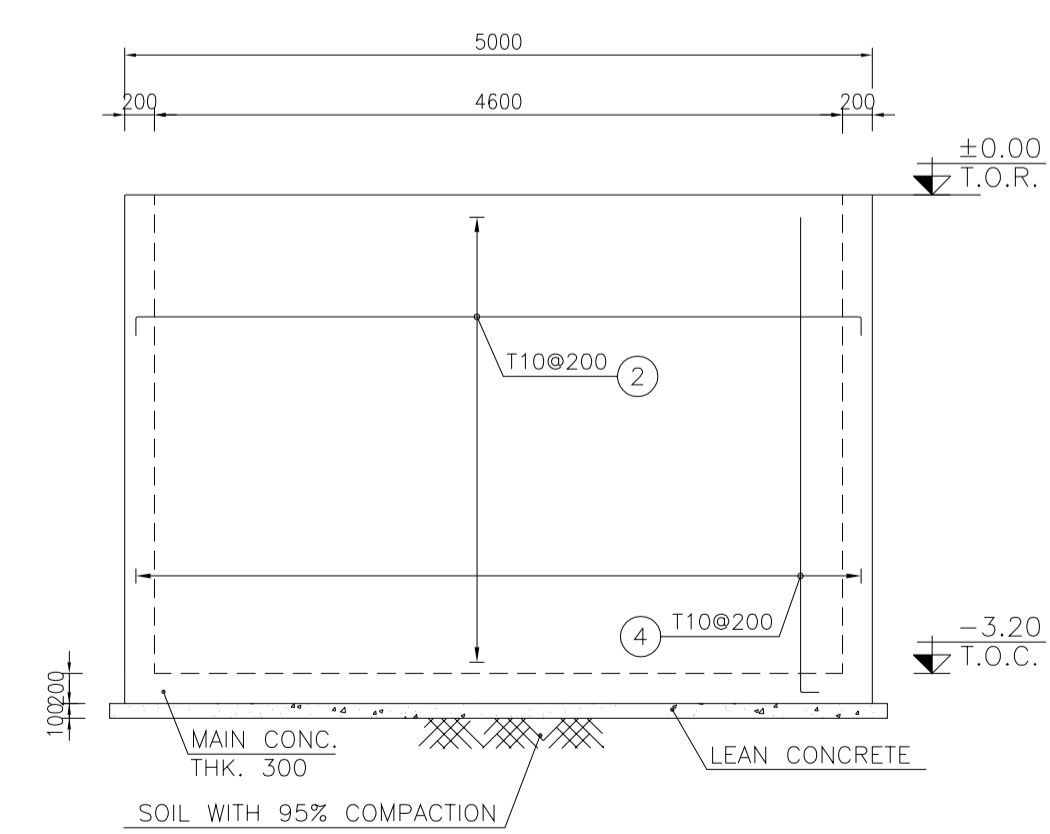
1:50 FORMWORK 2



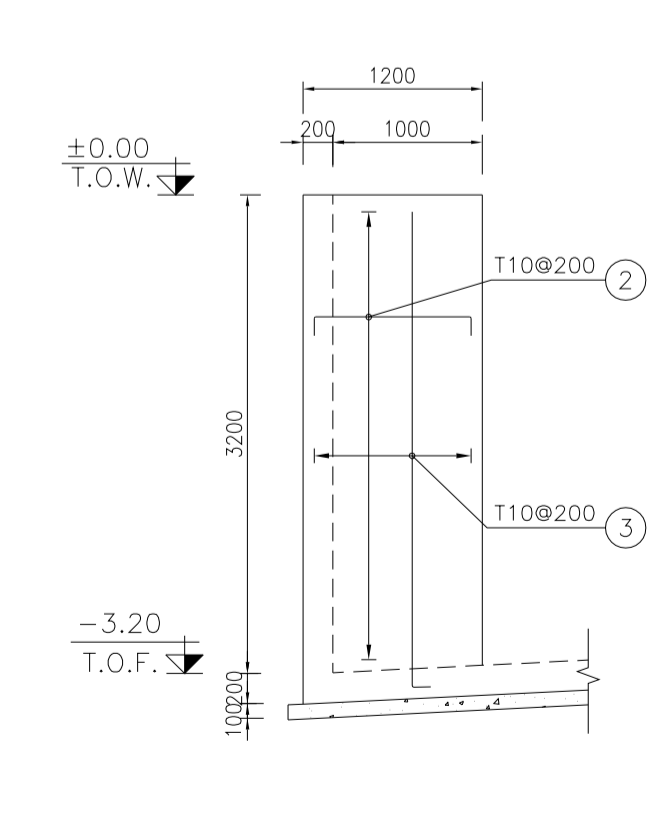
1:50 FORMWORK 3



1:50 REINFORCEMENT 4



1:25 WALL W1 REINFORCEMENT 5



1:25 WALL W2 REINFORCEMENT 6

Pos	Spec.	Shape	L/A	No.	T10
1	T10	1500	1.700	168	285.600
2	T10	1050	1.450	71	102.950
3	T10	3200	3.400	14	47.600
4	T10	1900	2.100	7	14.700
5	T10	4450	4.650	39	181.350
6	T10	5000	5.400	145	783.000
7	T10	16250	10.650	39	415.350
8	T10	11850	12.000	27	324.000
9	T10	12000	12.000	27	324.000
10	T10	11800	12.000	27	324.000
11	T10	8800	9.000	43	387.000
TOTAL LENGTH OR AREA (m/m2)					3189.55
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					1967.95
GRAND TOTAL (Kg)					1968 Kg.

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: **HIRGAN ENERGY** - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): **PETROIRAN DEVELOPMENT COMPANY**

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 REINFORCEMENT PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	7 OF 98	D04	053-073-9184	F	4	S	708209	7	D04

- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW: HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84) MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM) VERTICAL DATUM: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

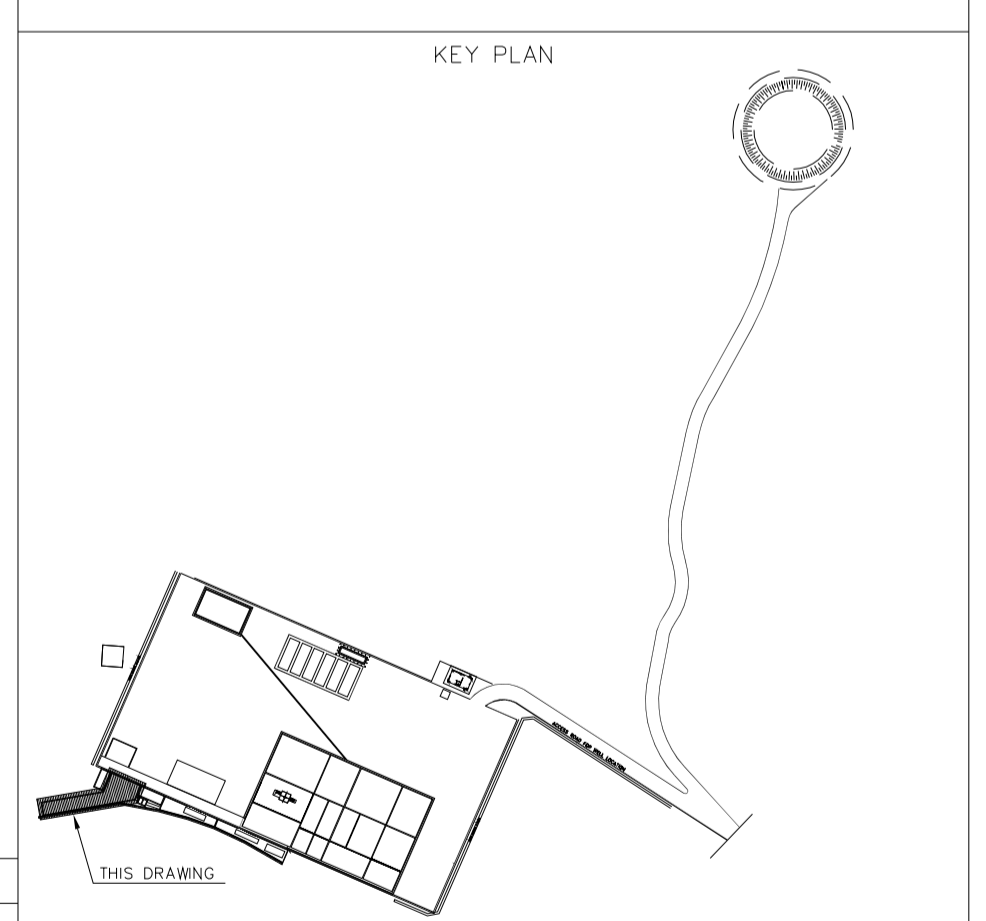
LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD
B.O.C. BOTTOM OF CONCRETE

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR DIESEL GENERATOR TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

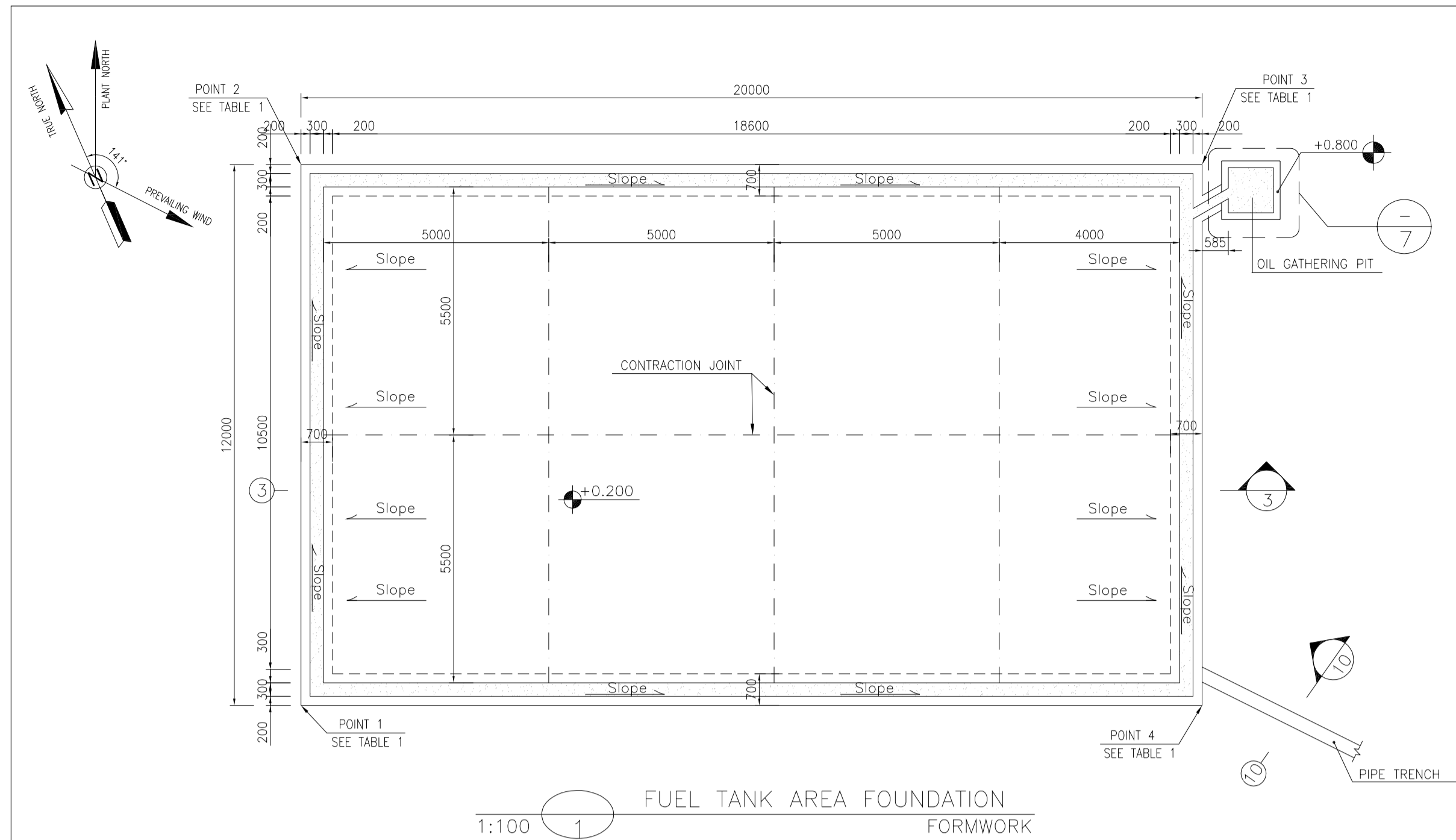


REV. APPR. CHECKED BY DATE

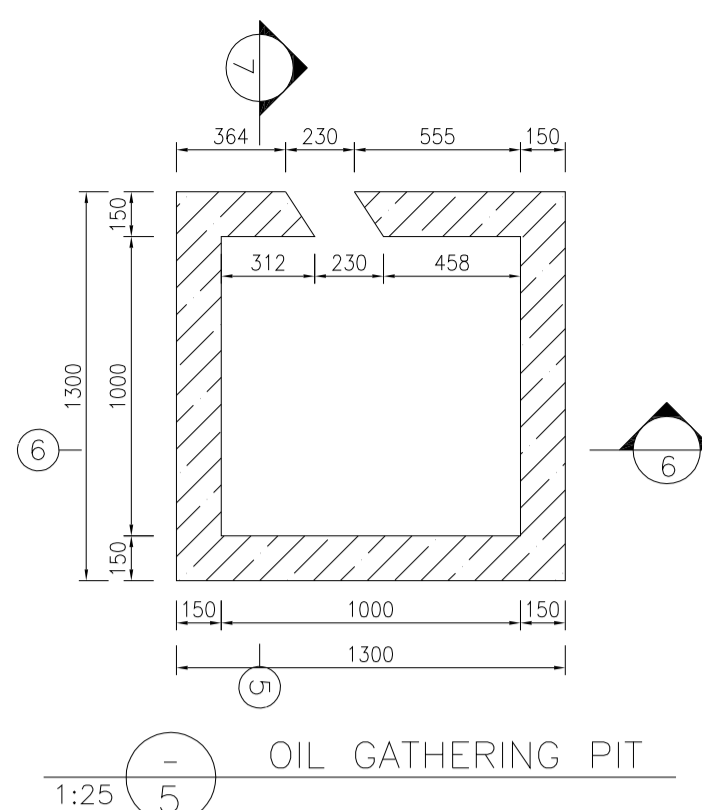
DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

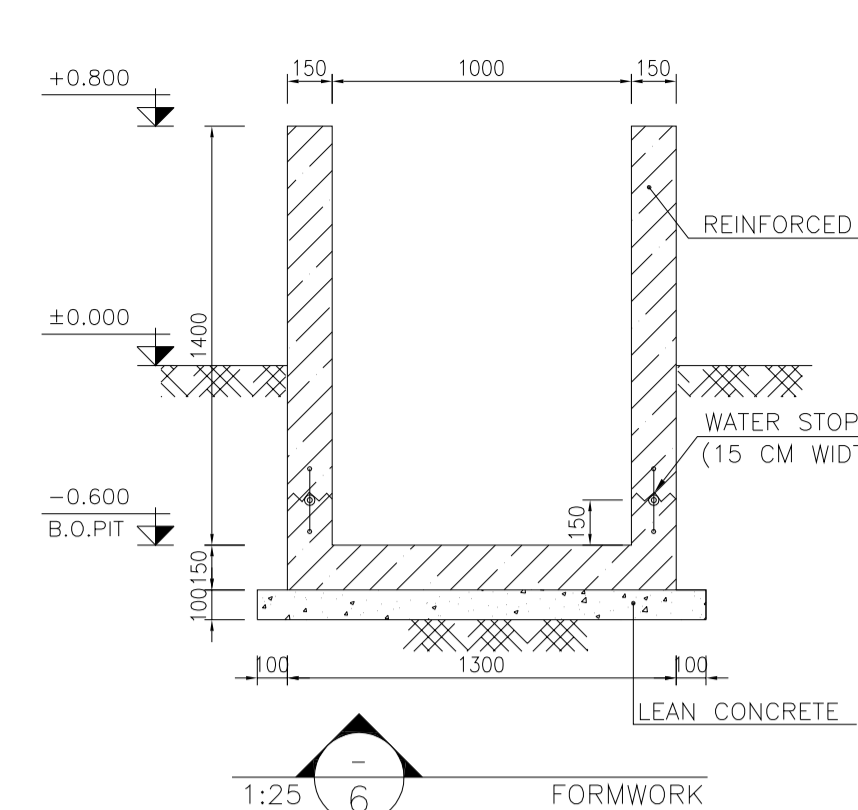
APPROVED FOR CONSTRUCTION BY: DATE:



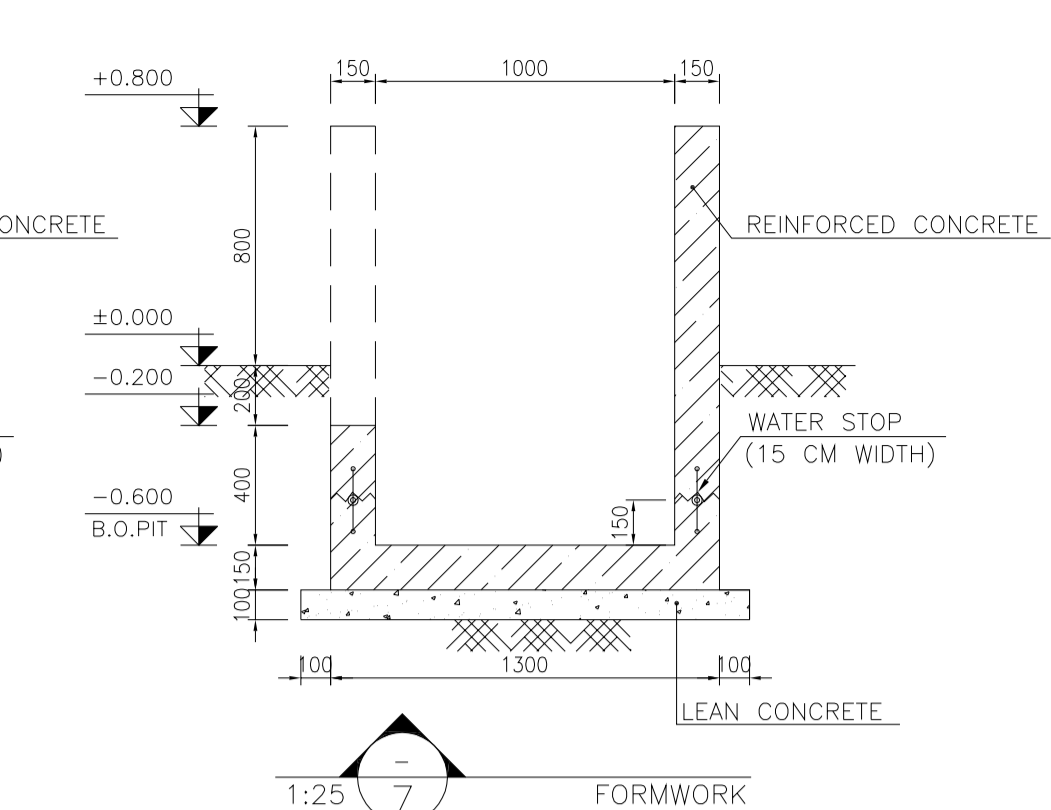
1:100 (1) FUEL TANK AREA FOUNDATION FORMWORK



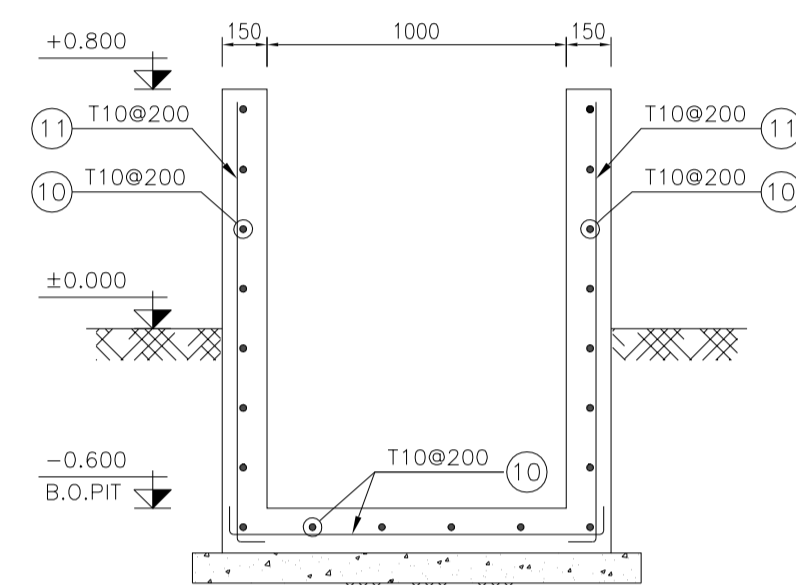
1:25 (5) OIL GATHERING PIT



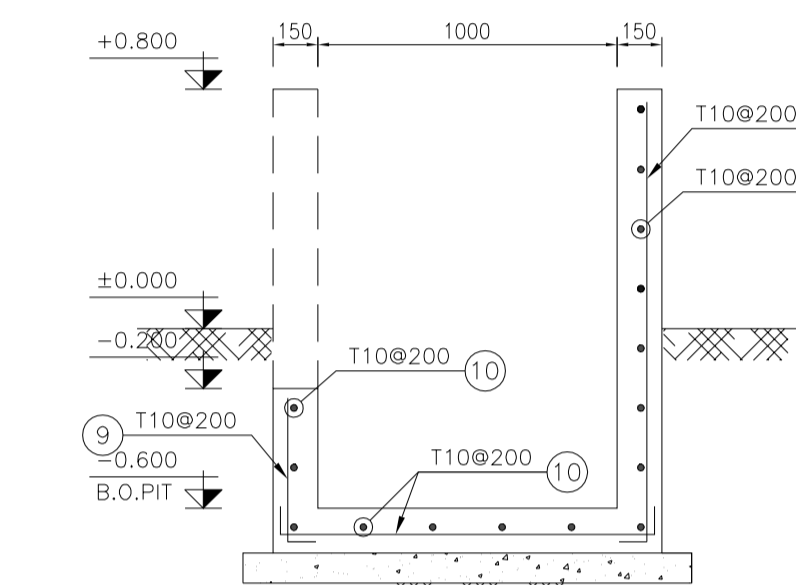
1:25 (6) FORMWORK



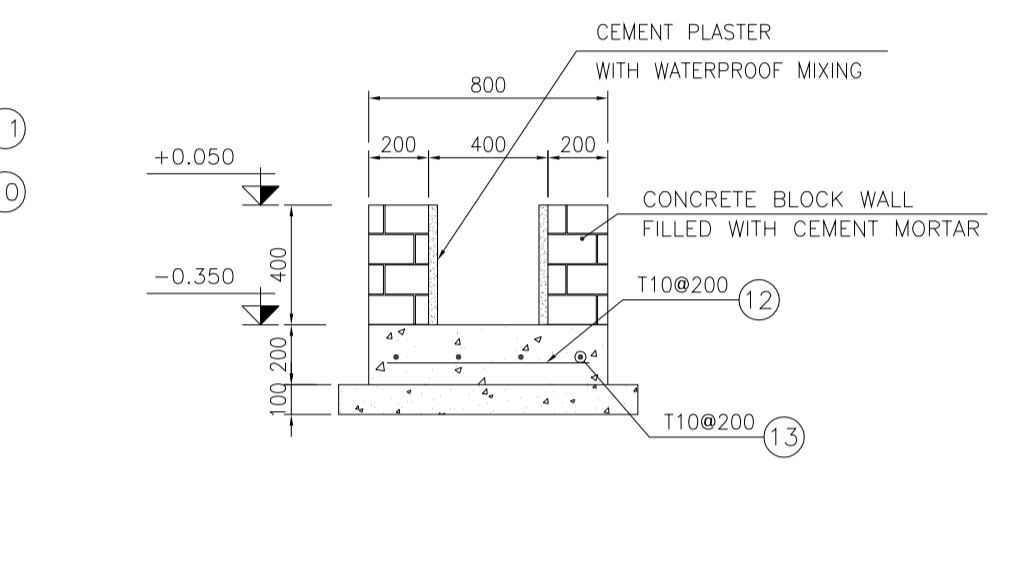
1:25 (7) FORMWORK



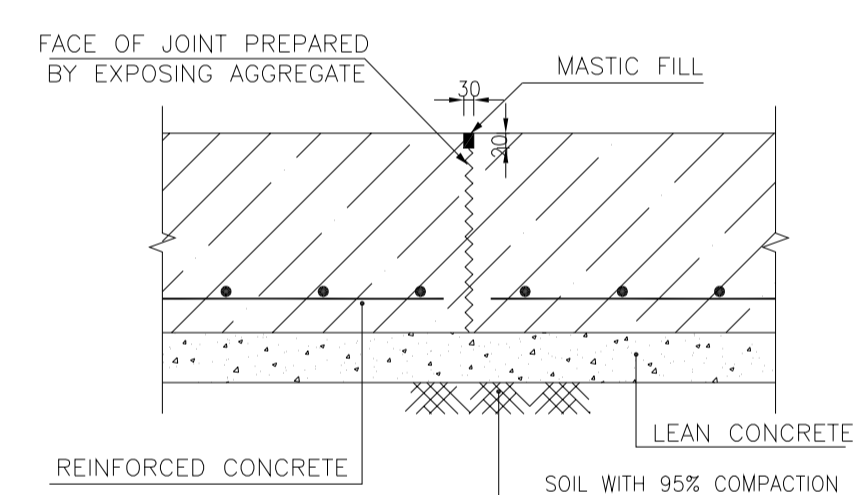
1:25 (8) REINFORCEMENT



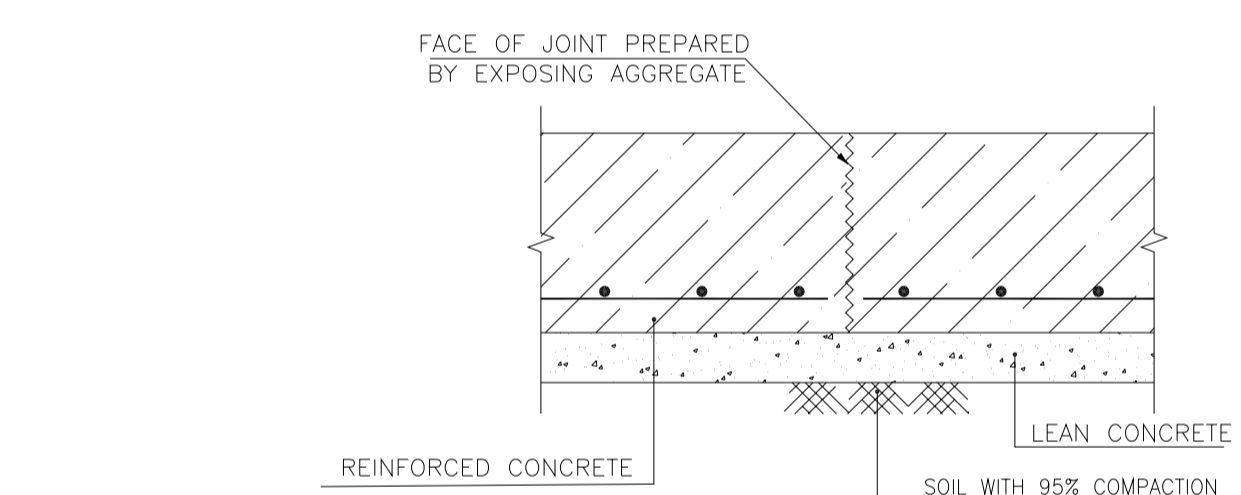
1:25 (9) REINFORCEMENT



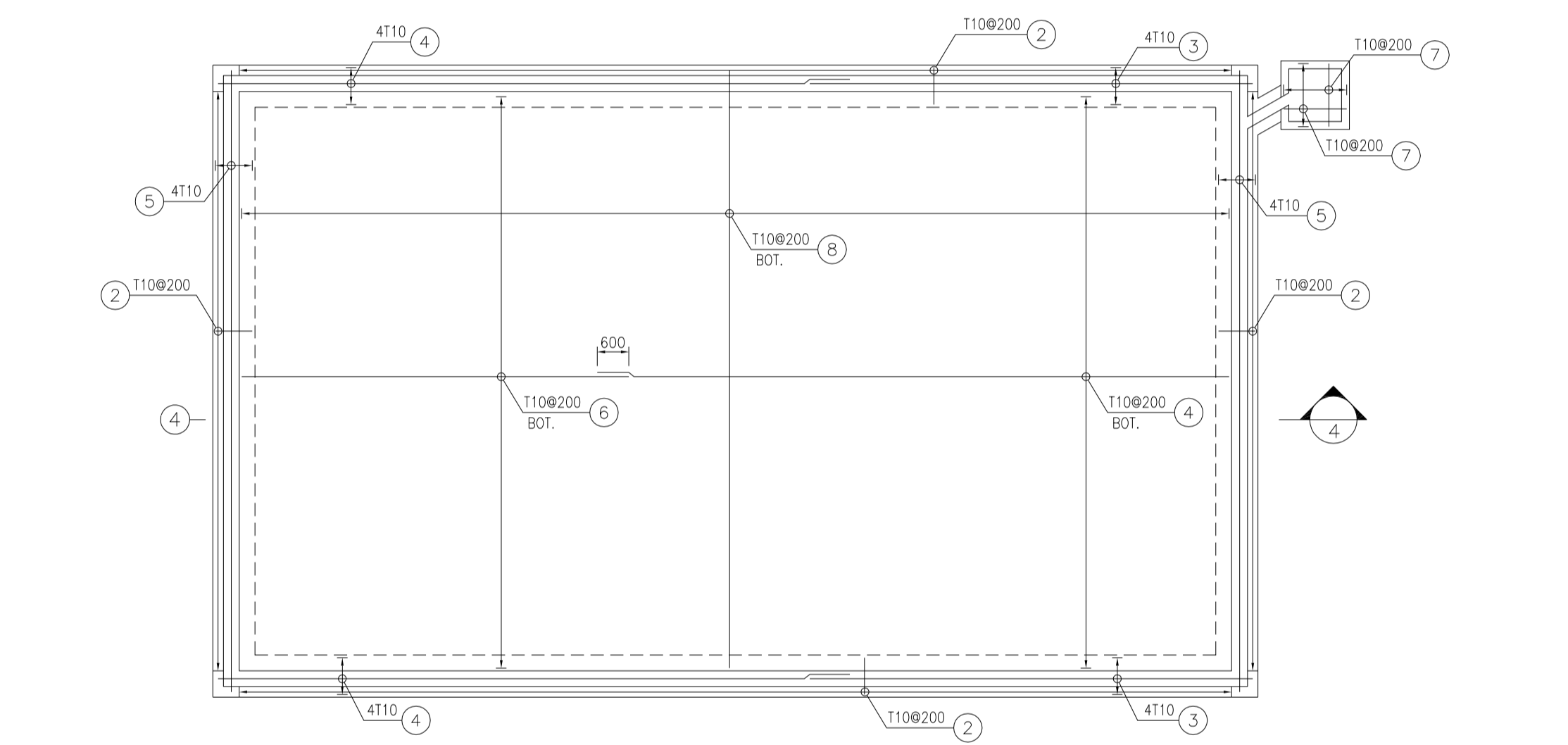
1:25 (10) TYPICAL SECTION OF PIPE TRENCH



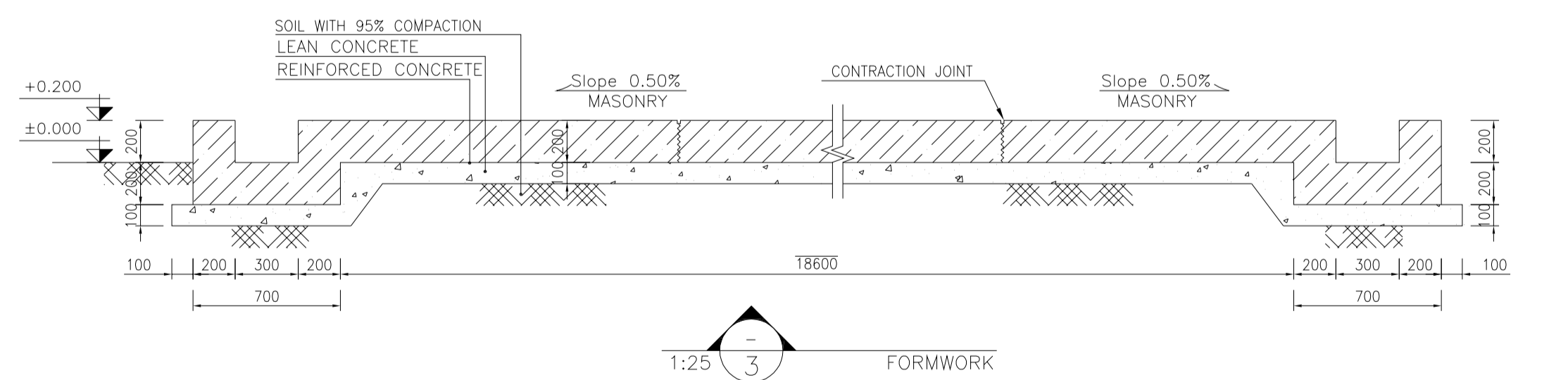
1:25 (11) TYPICAL CONSTRUCTION JOINT EVERY 4000



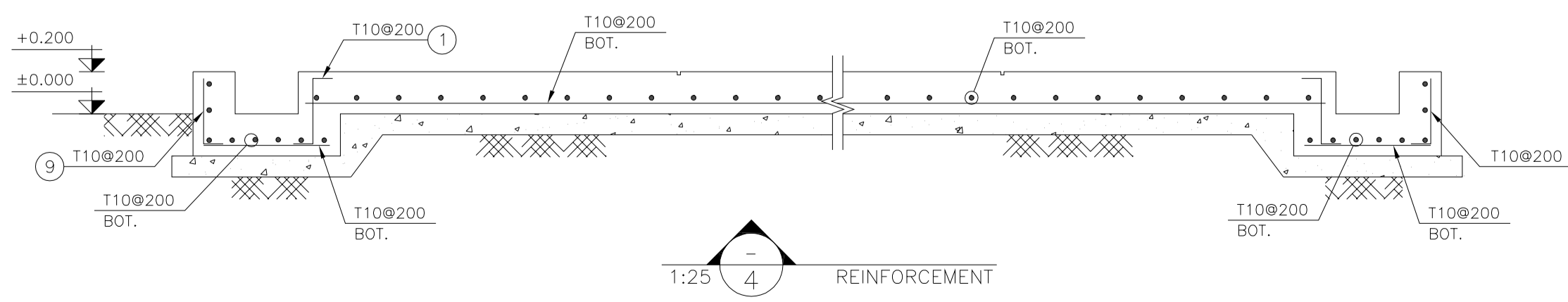
1:25 (12) TYPICAL CONSTRUCTION JOINT



1:100 (2) FUEL TANK AREA FOUNDATION REINFORCEMENT



1:25 (3) FORMWORK



1:25 (4) REINFORCEMENT

Pos	Spec.	Shape	L/A	No.	T10
1	T10	1250 x 150	1.550	312	483.600
2	T10	700	0.700	306	214.200
3	T10	8415	8.415	8	67.320
4	T10	12000	12.000	64	768.000
5	T10	11800	11.800	8	94.400
6	T10	7350	7.350	56	411.600
7	T10	1650	1.650	14	23.100
8	T10	9000	9.000	95	855.000
9	T10	150 x 1250	1.400	314	439.600
10	T10	1150	1.15	37	42.550
11	T10	150 x 1400	1.55	34	52.700
12	T10	700	0.70	315	220.5
13	T10	1200	12.00	30	360.0

TOTAL LENGTH OR AREA (m/m ²)	4032.17
UNIT WEIGHT (Kg)	0.617
WEIGHT (Kg)	2487.85
GRAND TOTAL (Kg)	2500 Kg.

POINT	E	N
POINT 1	E=437798.09	N=3295073.04
POINT 2	E=437802.89	N=3295084.04
POINT 3	E=437821.22	N=3295076.05
POINT 4	E=437816.43	N=3295065.05

** SHOULD BE USED THE EMULSION ON CONCRETE EXPOSED WITH SOIL. B-90-COAT.M.E IS A BITUMEN-BASED ONE-COMPONENT EMULSION PROTECTIVE COATING TO PREVENT THE PENETRATION OF DESTRUCTIVE SALTS & IONS. THIS MATERIAL IS CONTROLLED ACCORDING TO THE FOLLOWING STANDARDS: ASTM D1227, ASTM D2939, ASTM D1640

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME:	BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS		
PROJECT NO.:	971020		
EPC CONTRACTOR:			
EPD/EPC CONTRACTOR(GC):			

DRAWING TITLE:	CIVIL AND STRUCTURAL DRAWINGS-BK14 FUEL TANK FOUNDATION FORMWORK & REINFORCEMENT PLAN-SECTION		
SCALE	SIZE	DRAWING NO.	SHEET NO.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	8 OF 98

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	8	D04

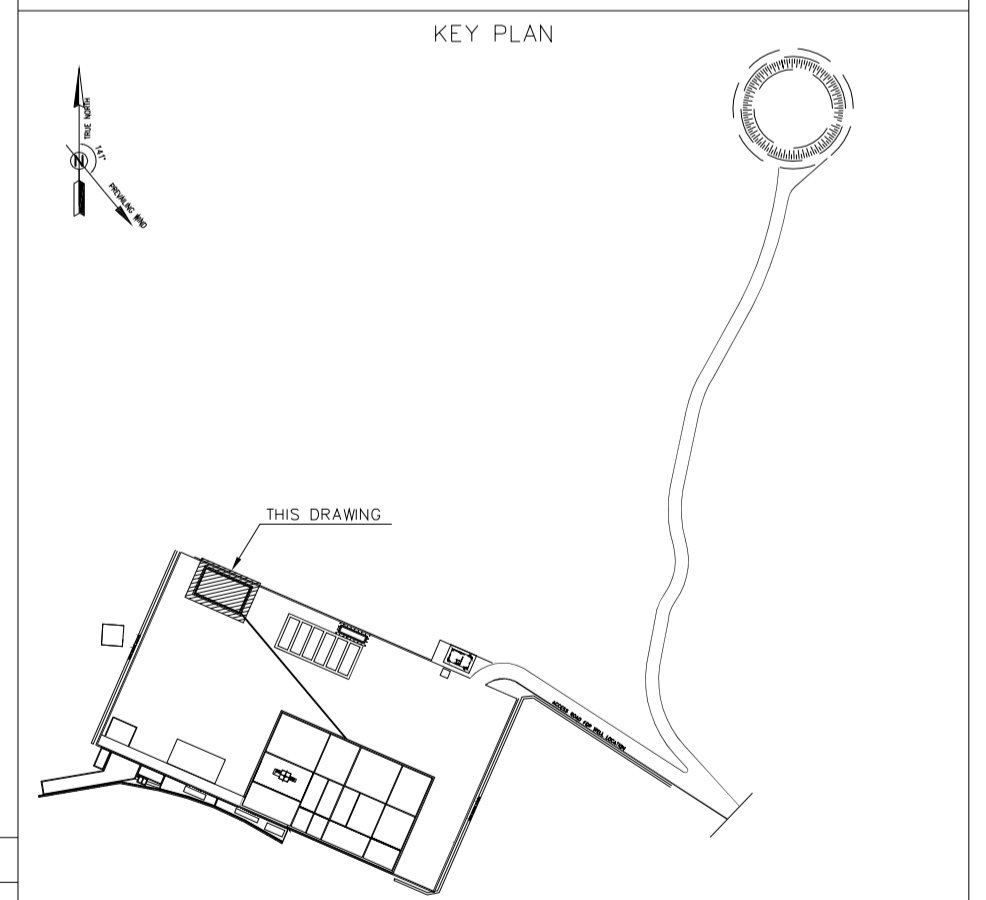
- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW: HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84) MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM) VERTICAL DATUM: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.

LEGEND AND ABBREVIATION

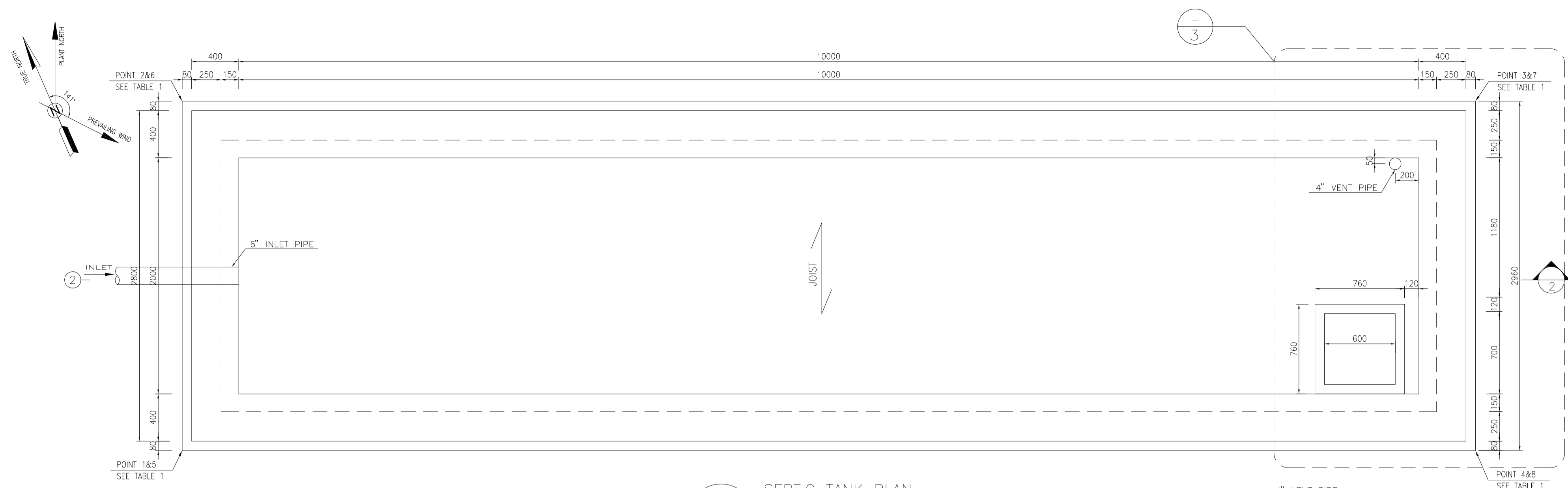
	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD
B.O.C. BOTTOM OF CONCRETE

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



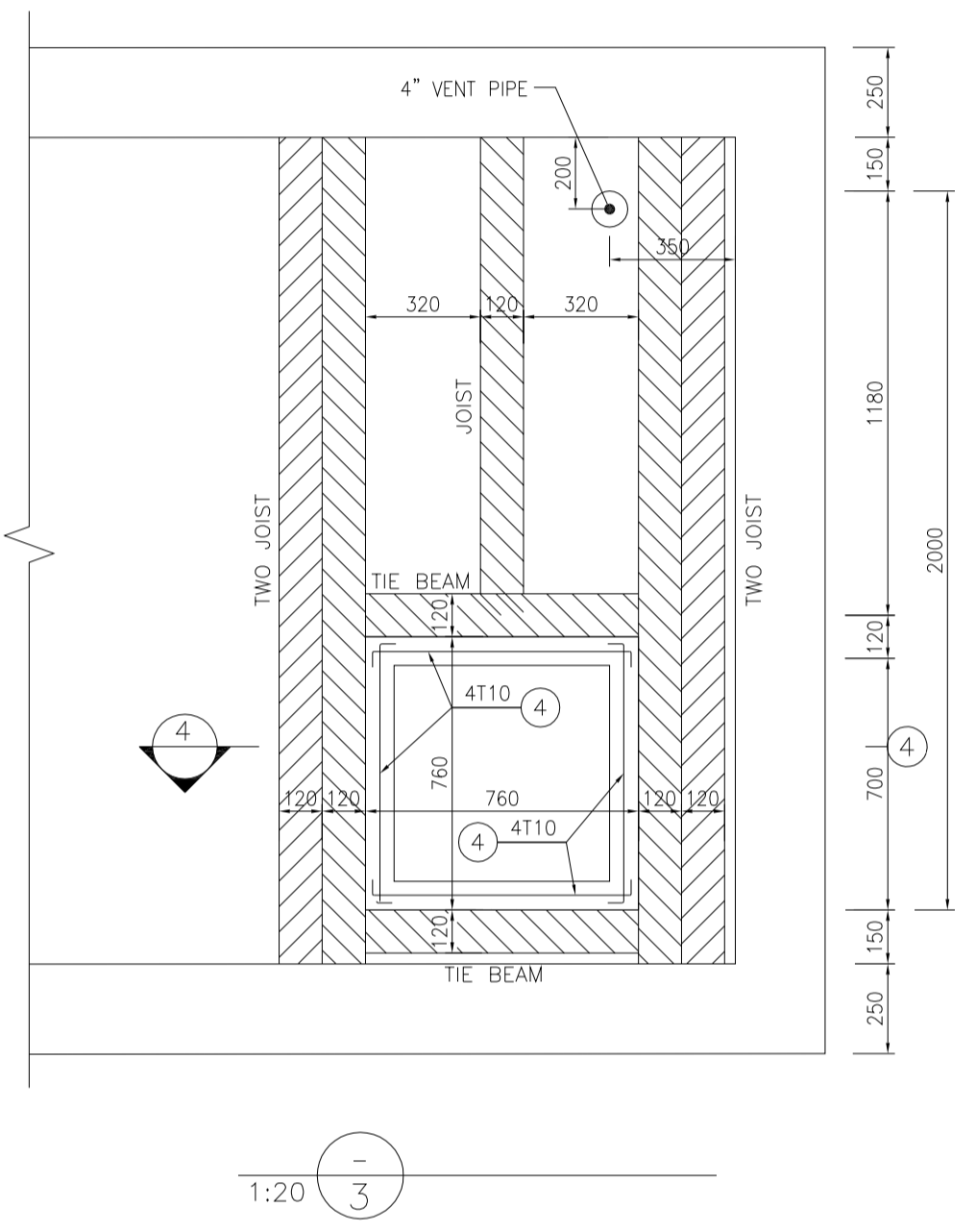
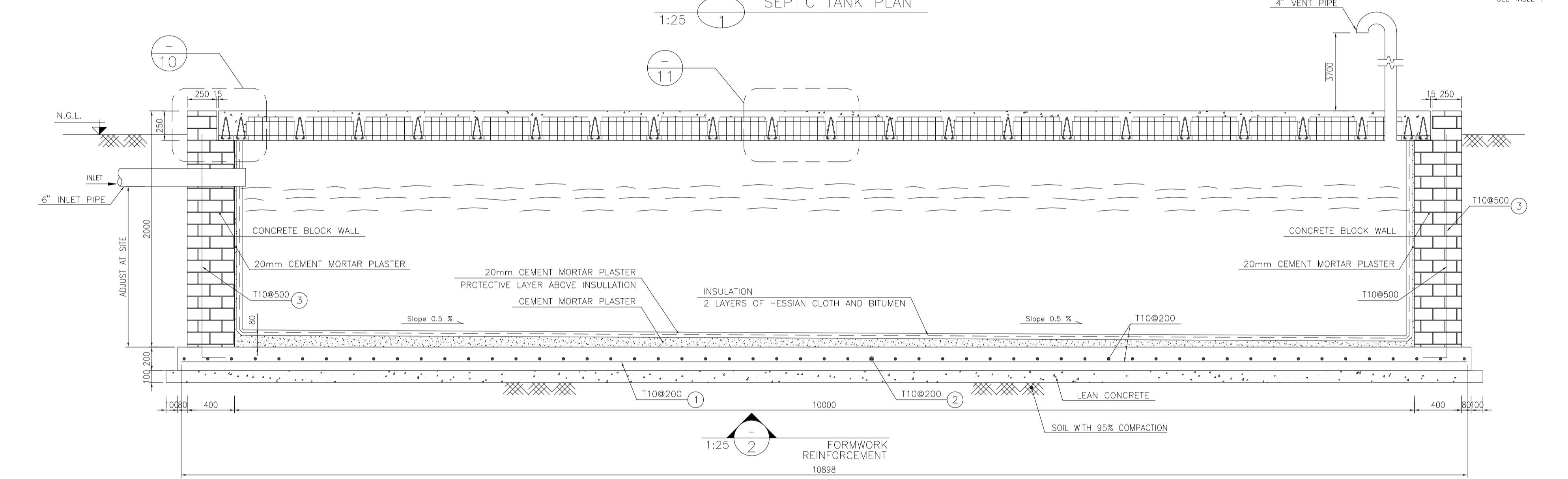
PROJECT NAME:	BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS			
PROJECT NO.:	971020			
EPC CONTRACTOR:				
EPD/EPC CONTRACTOR(GC):				
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED				
APPROVED FOR CONSTRUCTION	BY:	DATE:		



**TABLE 1
(CORNERS COORDINATES)**

POINT 1	E=437853.685	N=3295058.601
POINT 2	E=437854.867	N=3295061.315
POINT 3	E=437864.915	N=3295056.939
POINT 4	E=437863.734	N=3295054.225

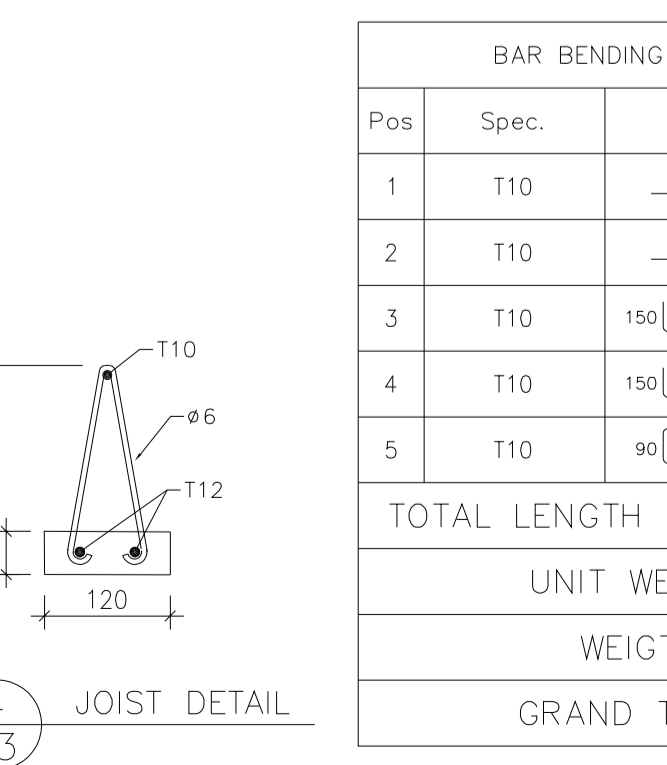
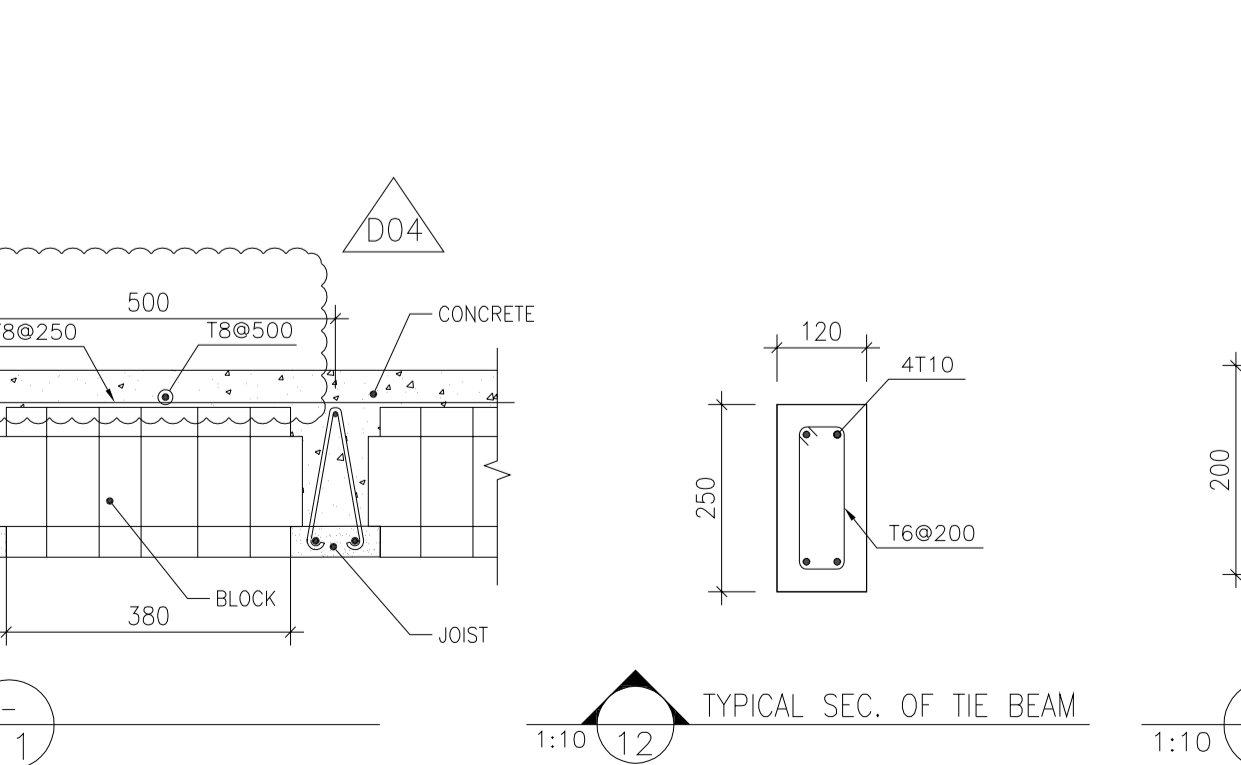
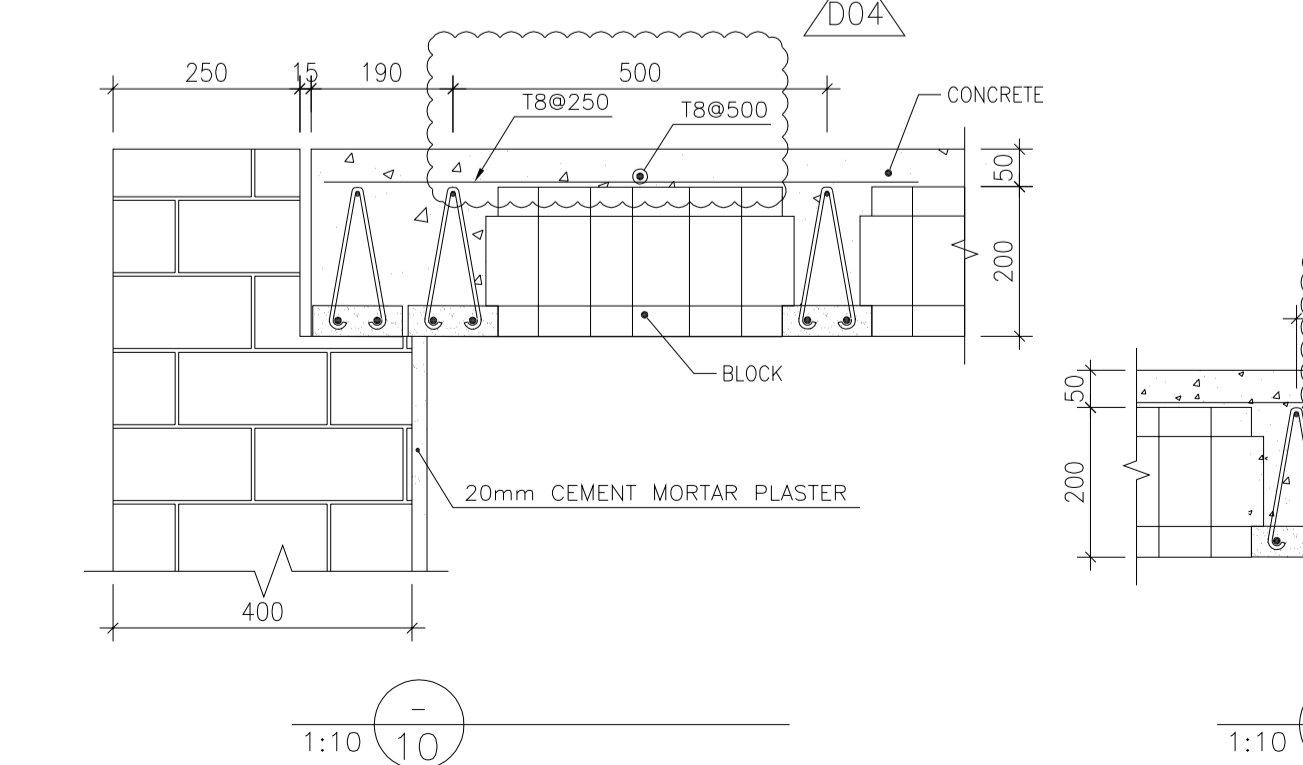
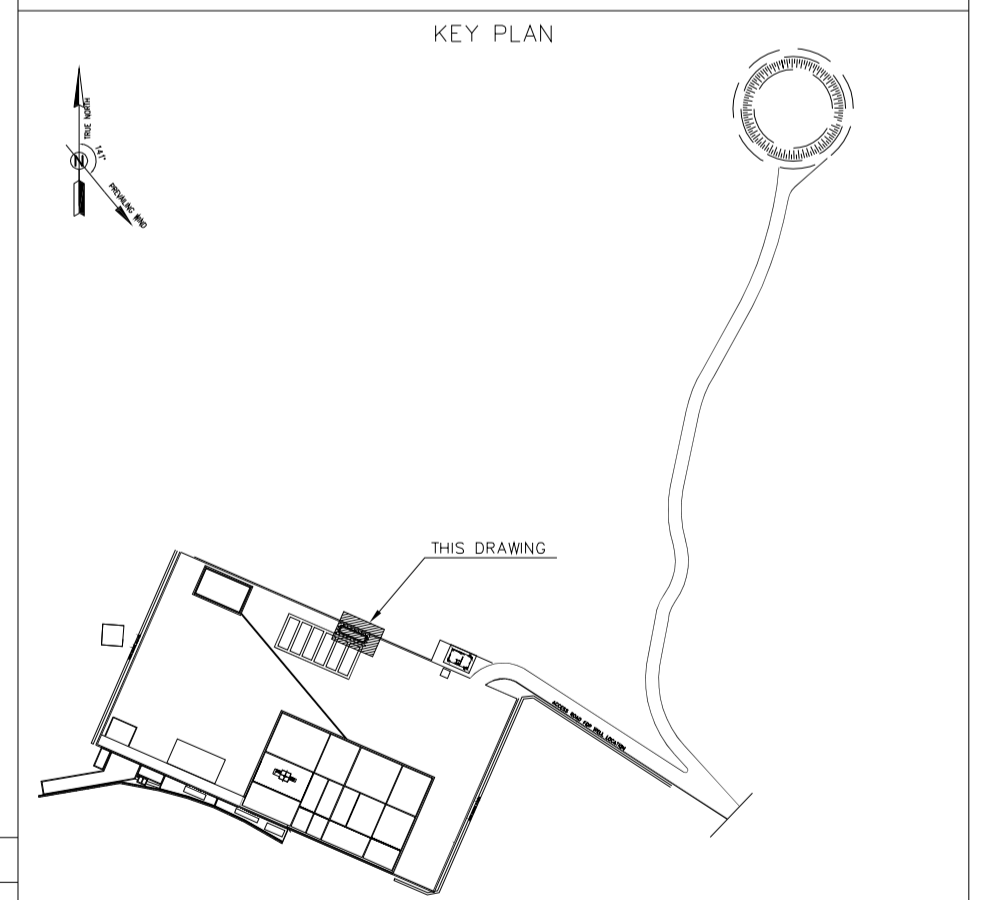
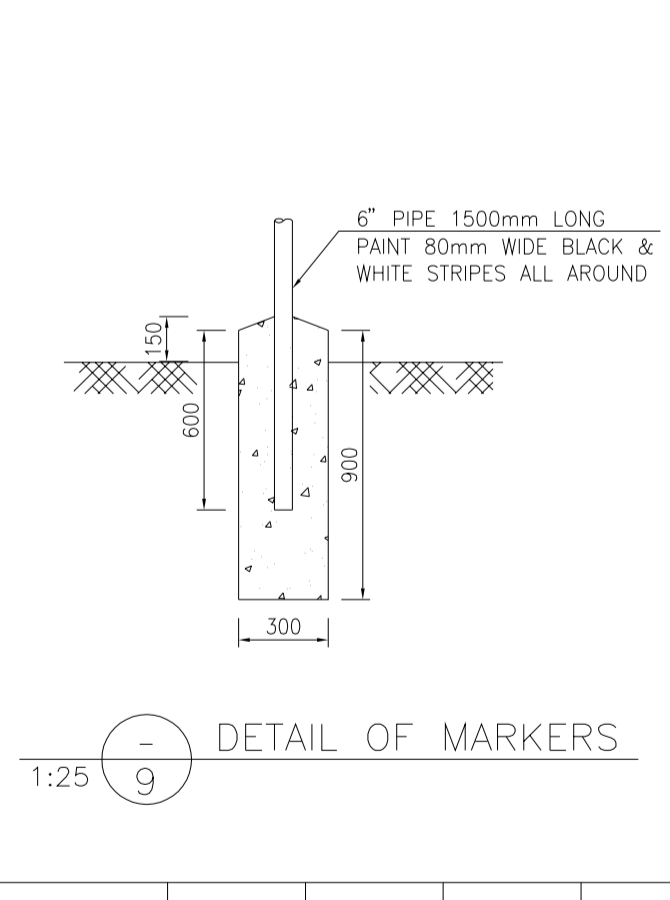
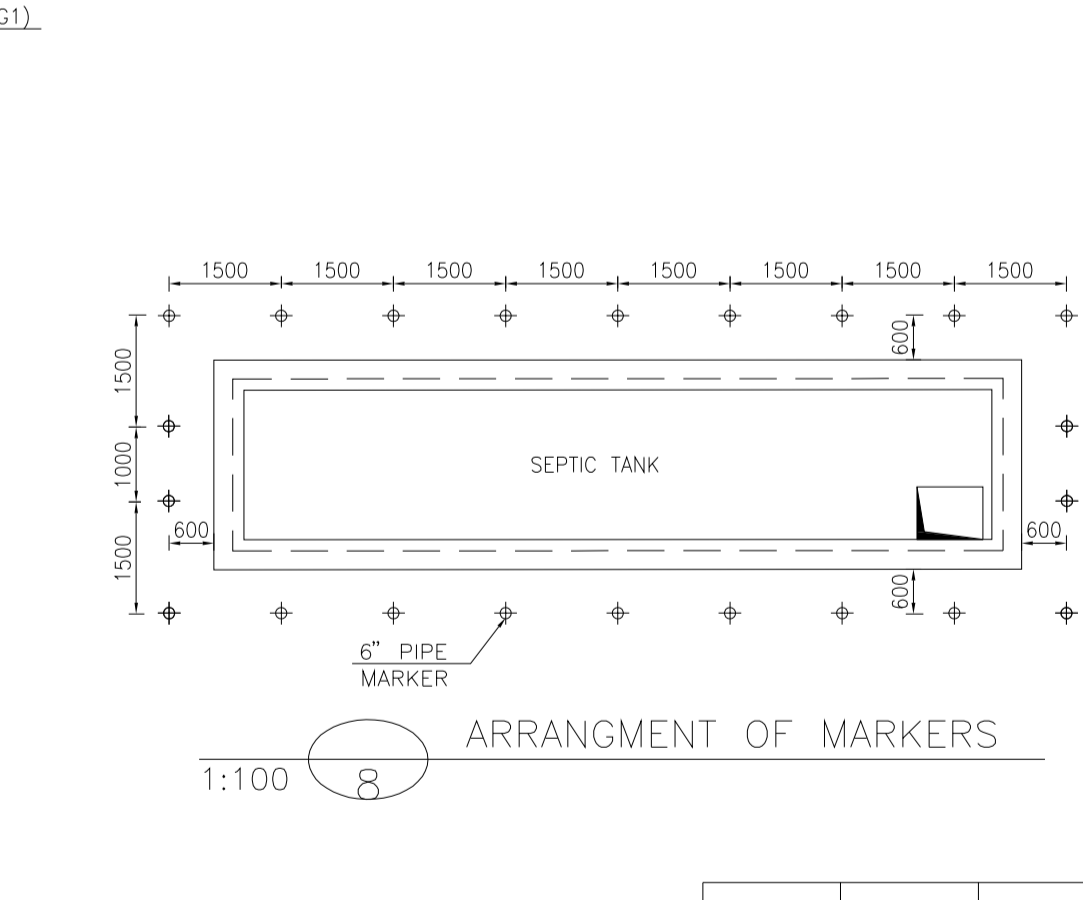
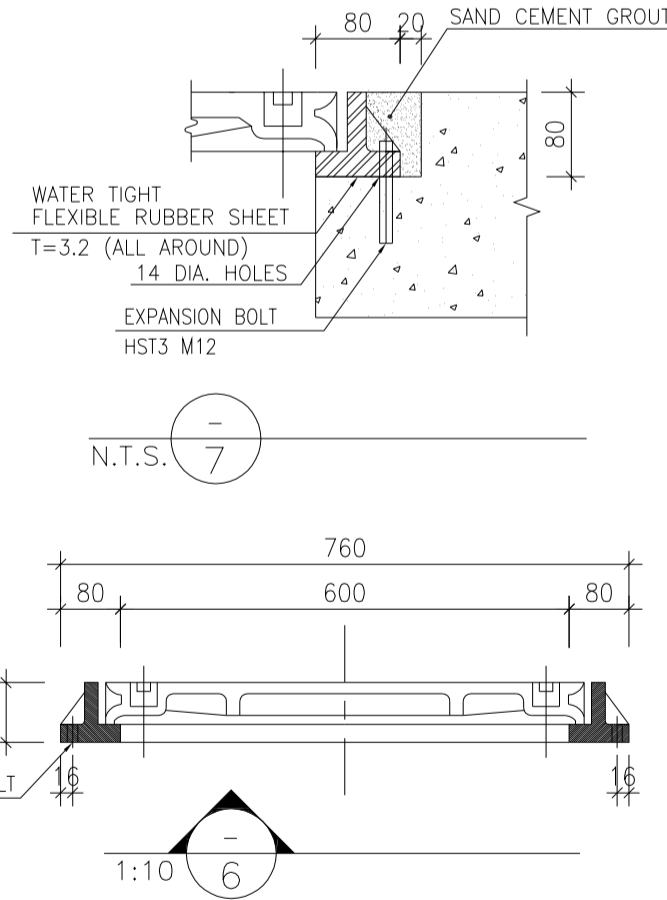
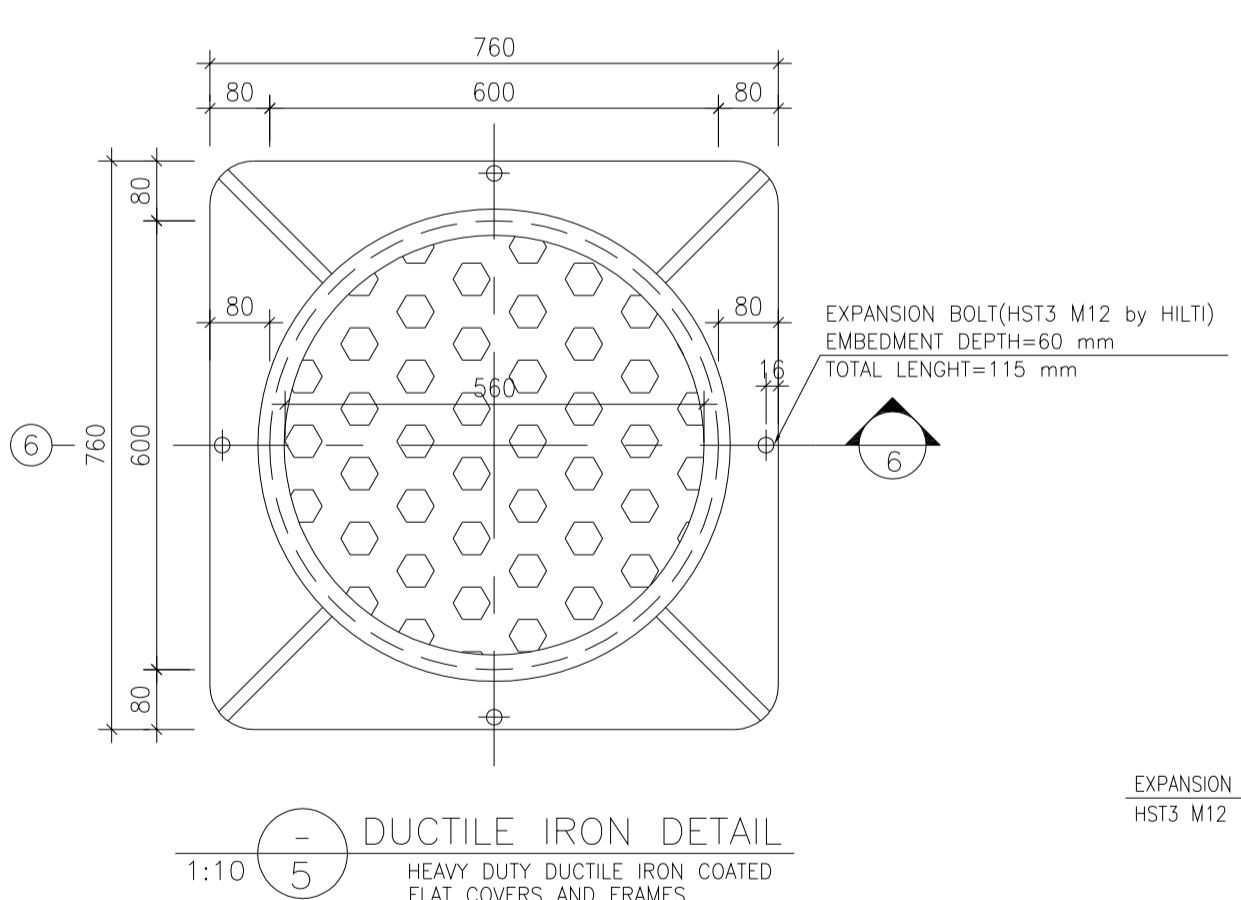
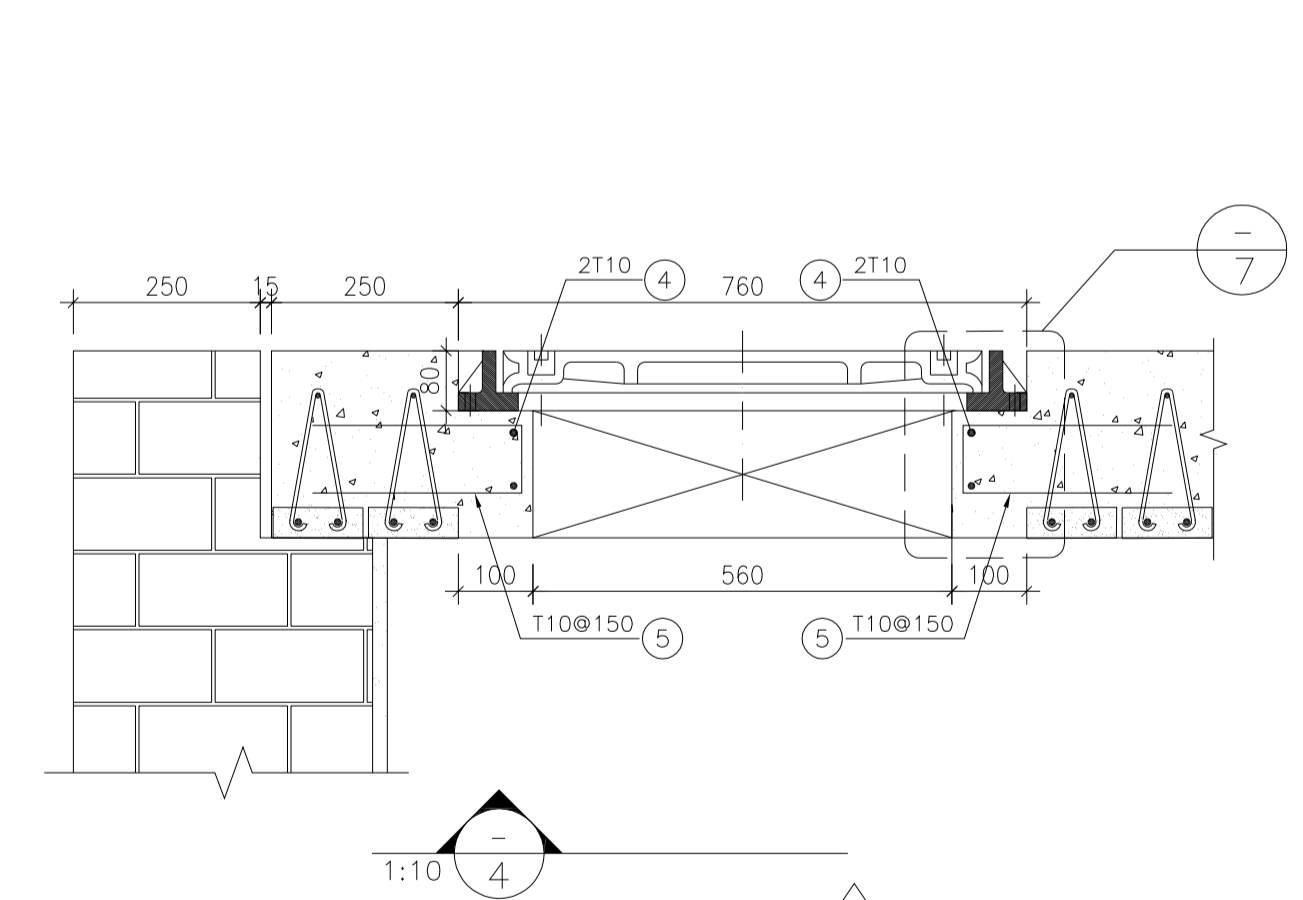
- NOTES**
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL



- LEGEND AND ABBREVIATION**
- REINFORCED CONCRETE
 - LEAN CONCRETE
 - CEMENT BLOCK WALL
 - GRAVEL
 - T.O.F. TOP OF FOUNDATION
 - T.O.W. TOP OF WALL
 - T.O.C. TOP OF CONCRETE
 - T.O.PIT. TOP OF PIT
 - B.O.P. BOTTOM OF PIPE
 - R.G.L. ROUGH GRADING LEVEL
 - T.O.R. TOP OF ROAD
 - B.O.C. BOTTOM OF CONCRETE
 - SUB GRADE
 - SLOPE
 - EXISTING CONCRETE AREA

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWINGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWINGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



BAR BENDING SCHEDULE - SEPTIC TANK

Pos	Spec.	Shape	L/A	No.	T10
1	T10	10800	10.80	14	151.20
2	T10	2800	2.80	60	168.0
3	T10	150 2050	2.20	52	114.40
4	T10	150 600 150	0.90	8	7.20
5	T10	90 280 280	0.65	20	13.0
TOTAL LENGTH OR AREA (m/m ²)					453.80
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					280
GRAND TOTAL (Kg)					280

KEY PLAN

ARRANGEMENT OF MARKERS

DETAIL OF MARKERS

KEY PLAN

REV. DATE

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
REV.		P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

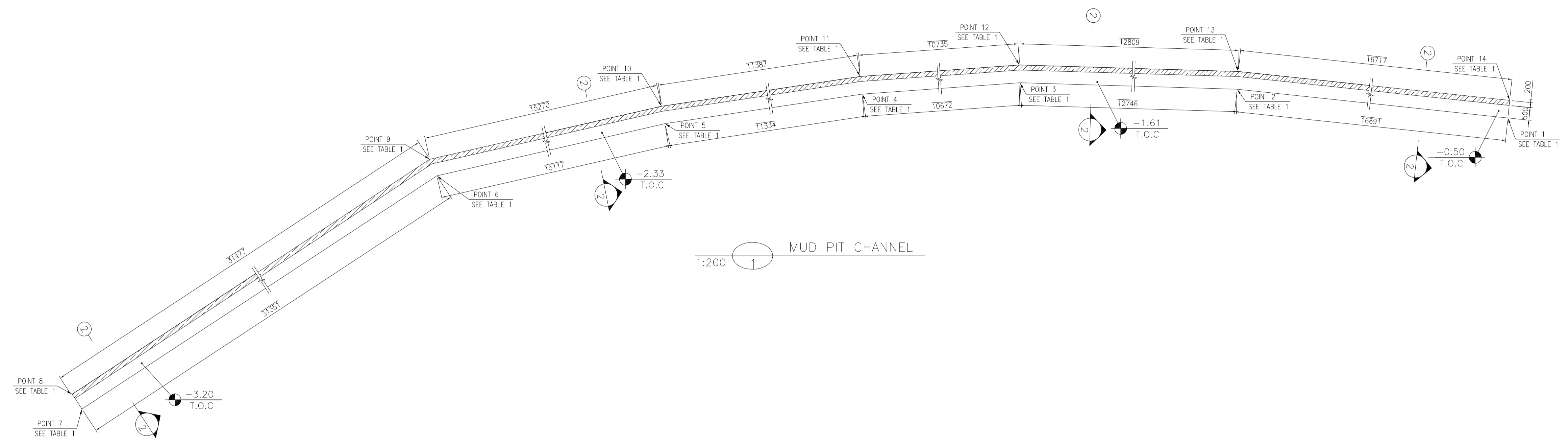
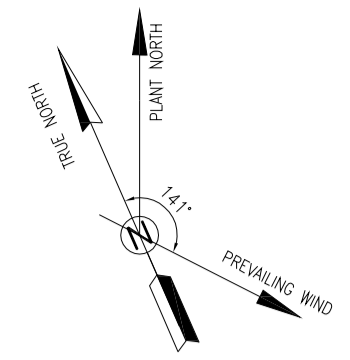
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 SEPTIC TANK FORMWORK & REINFORCEMENT PLAN-SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	9 OF 98	D04	053-073-9184	F	4	S	708209	9	D04



1:200 MUD PIT CHANNEL

- NOTES**
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

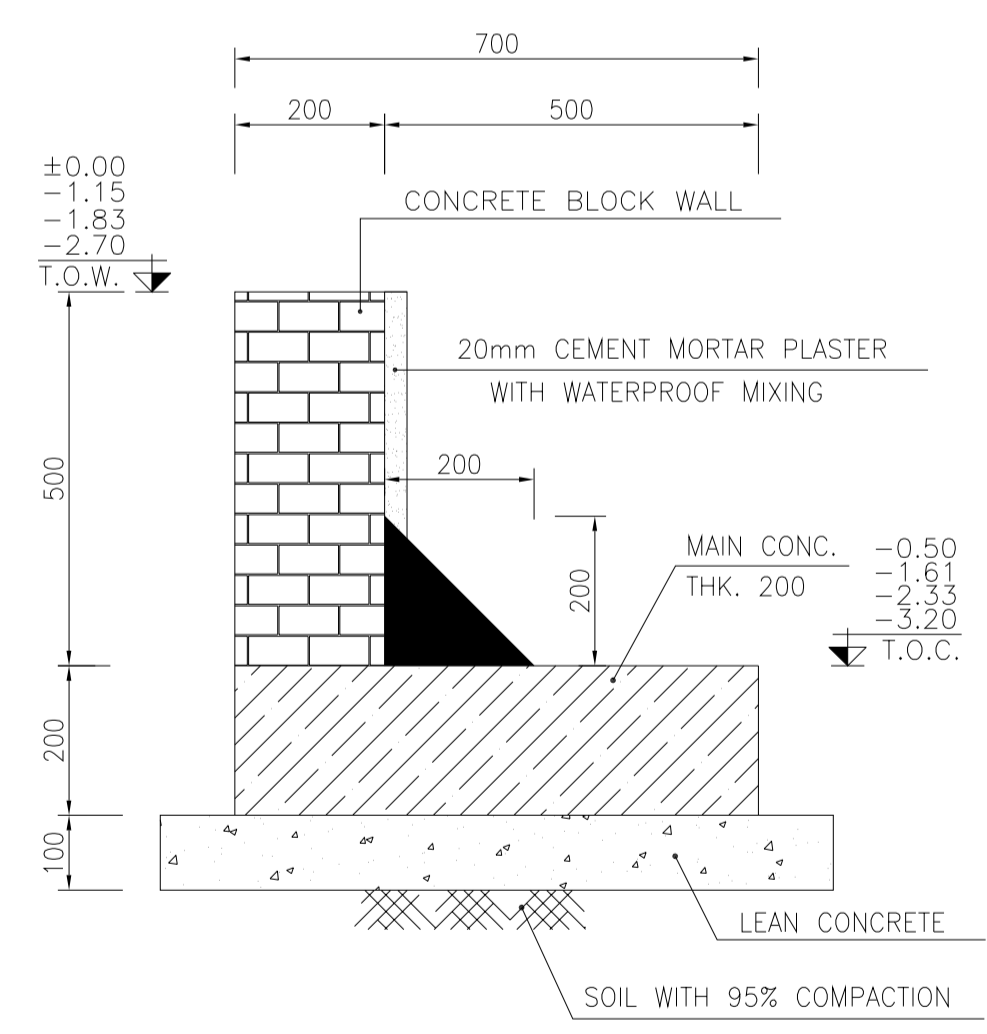
LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

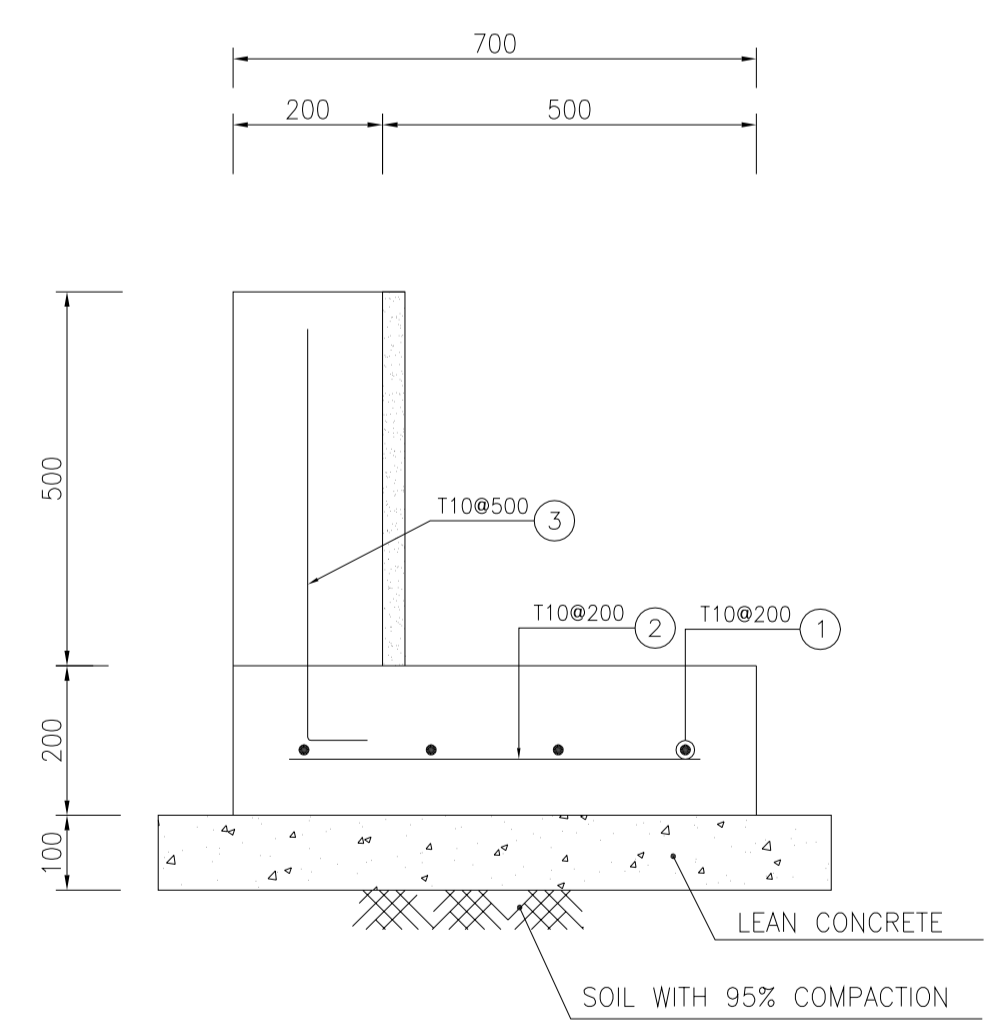
T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD
B.O.C. BOTTOM OF CONCRETE

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWINGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWINGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



1:10 FORMWORK 2

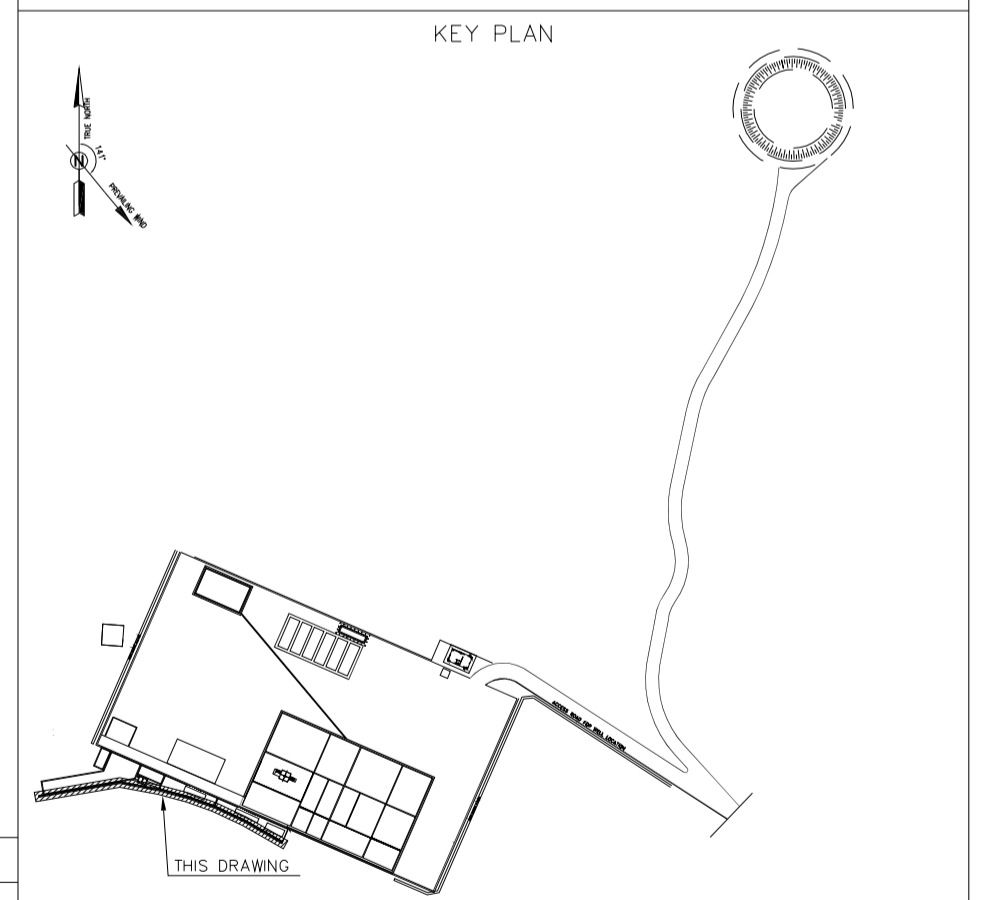


1:10 FORMWORK 3

TABLE 1 (CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437832.239	N=3294977.840
POINT 2	E=437817.731	N=3294986.092
POINT 3	E=437806.204	N=3294991.531
POINT 4	E=437796.141	N=3294995.084
POINT 5	E=437785.195	N=3294998.022
POINT 6	E=437770.343	N=3295000.836
POINT 7	E=437739.444	N=3294995.535
POINT 8	E=437739.326	N=3294996.225
POINT 9	E=437770.349	N=3295001.548
POINT 10	E=437785.353	N=3294998.705
POINT 11	E=437796.348	N=3294995.753
POINT 12	E=437806.470	N=3294992.179
POINT 13	E=437818.054	N=3294986.714
POINT 14	E=437832.585	N=3294978.448

Pos	Spec.	Shape	L/A	No.	T10
1	T10		110	4	440.000
2	T10		600	500	300.000
3	T10		150	200	120.000
TOTAL LENGTH OR AREA (m/m ²)					860.000
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					516.00
GRAND TOTAL (Kg)					520 Kg.



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
 PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

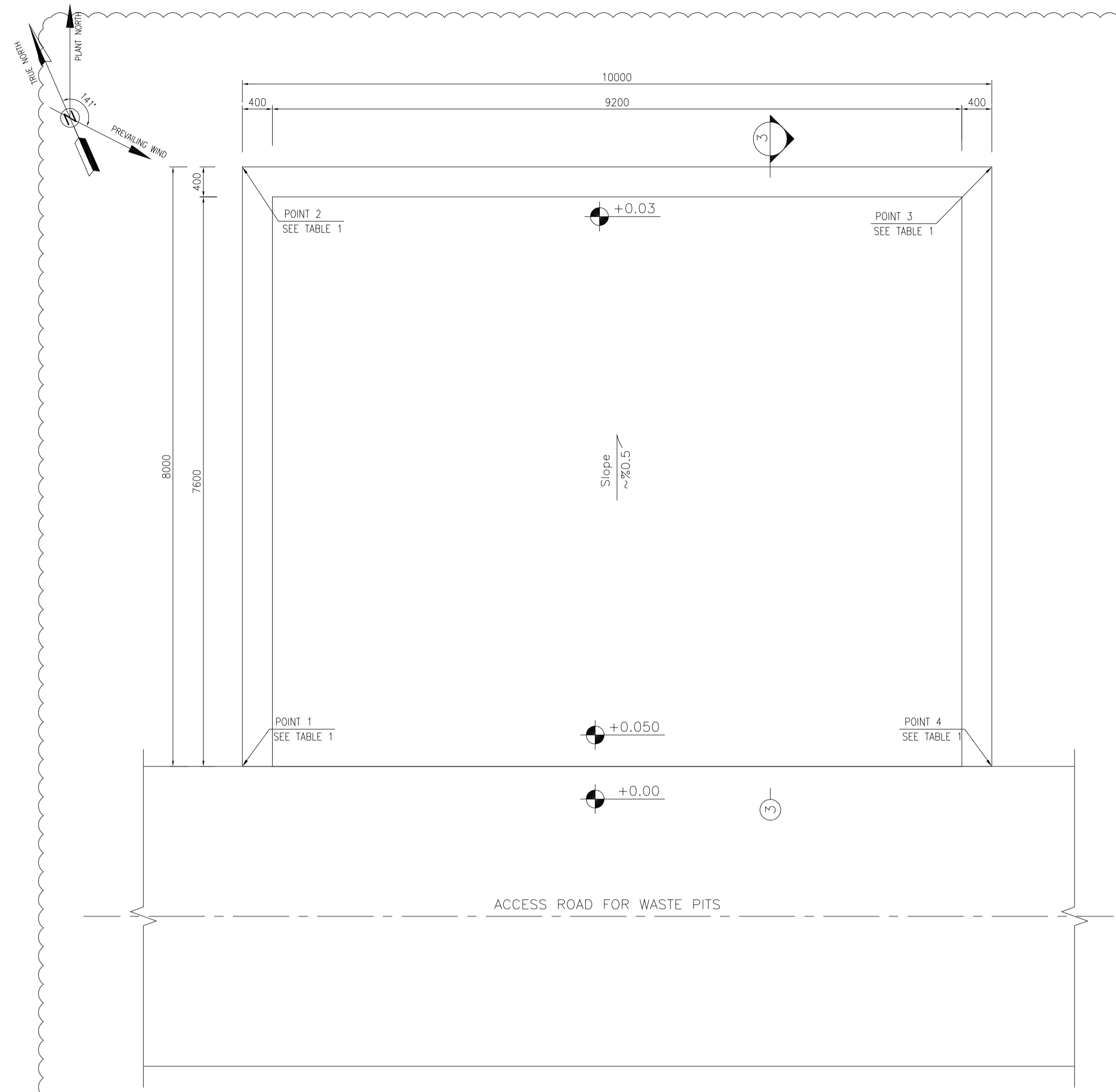
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
------	-------	------------	------------	--------------

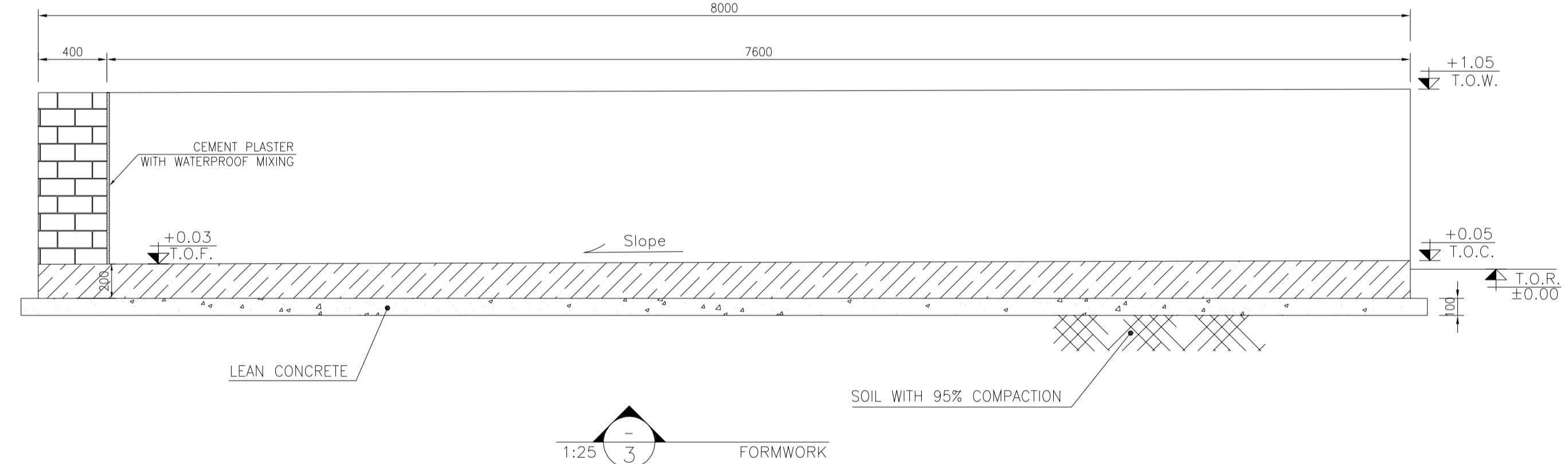
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 MUD PIT CHANNEL FORMWORK & REINFORCEMENT PLAN-SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

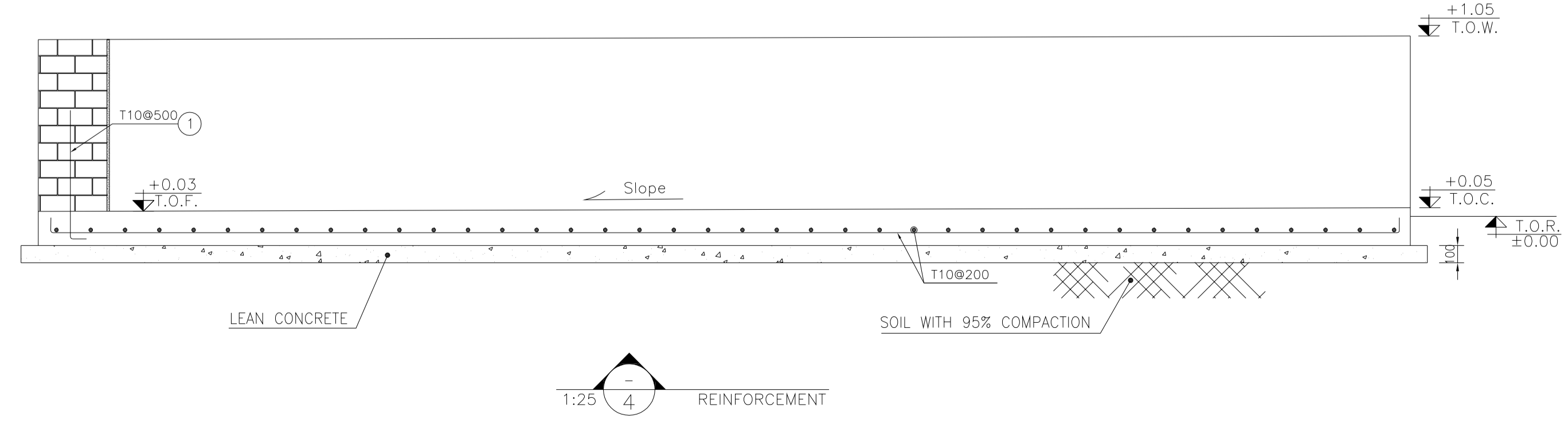
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	10 OF 98	D04	053-073-9184	F	4	S	708209	10	D04



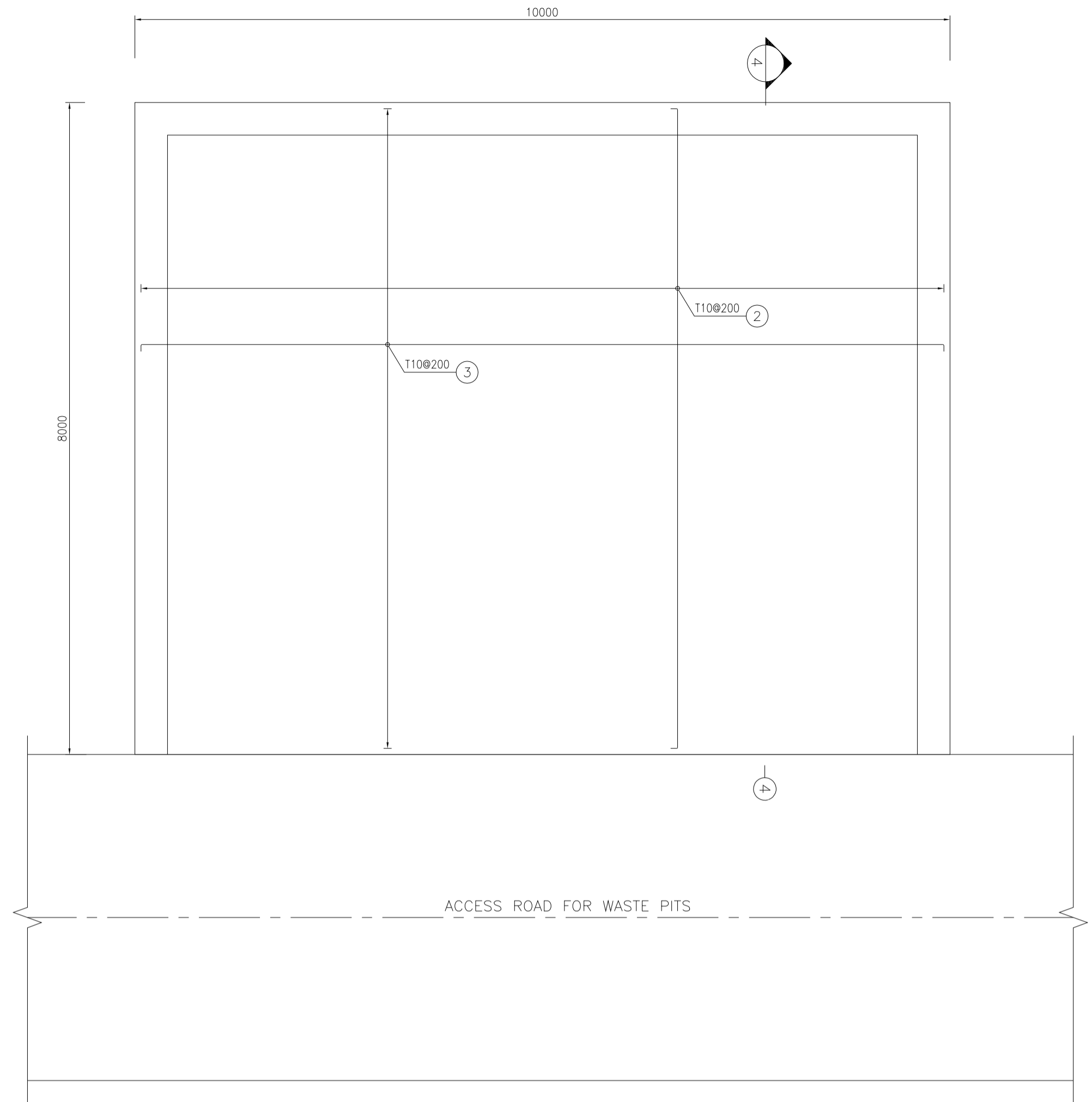
1:50 **1** TREATMENT PAD PLAN FORMWORK



1:25 **3** FORMWORK



1:25 **4** REINFORCEMENT



1:100 **2** TREATMENT PAD PLAN REINFORCEMENT

Pos	Spec.	Shape	L/A	No.	T10
1	T10	200 1500	1.700	54	91.800
2	T10	200 7850	8.250	51	420.750
3	T10	200 9850	10.250	41	420.250
TOTAL LENGTH OR AREA (m/m2)					932.80
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					575.54
GRAND TOTAL (Kg)					576 Kg.

TABLE 1
(CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437764.558	N=3295018.876
POINT 2	E=437767.755	N=3295026.209
POINT 3	E=437776.921	N=3295022.213
POINT 4	E=437773.724	N=3295014.880

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 TREATMENT PAD FORMWORK - DETAIL & SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	11 OF 98	D04	053-073-9184	F	4	S	708209	11	D04

- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW: HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84) MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM) VERTICAL DATUM: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

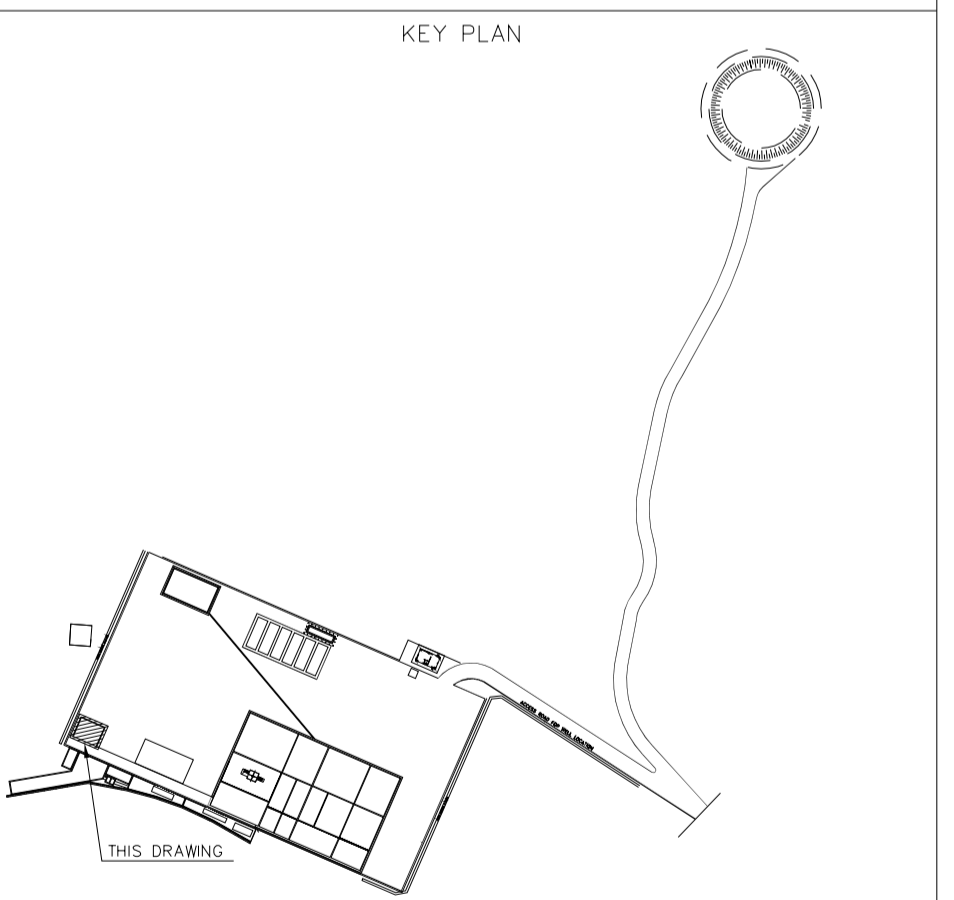
LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD
B.O.C. BOTTOM OF CONCRETE

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



REV. DESCRIPTION BY DATE BY DATE

1. اصل و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملام مناطق نفت خیز جنوب میباشند.

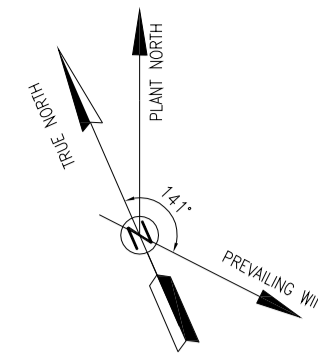
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

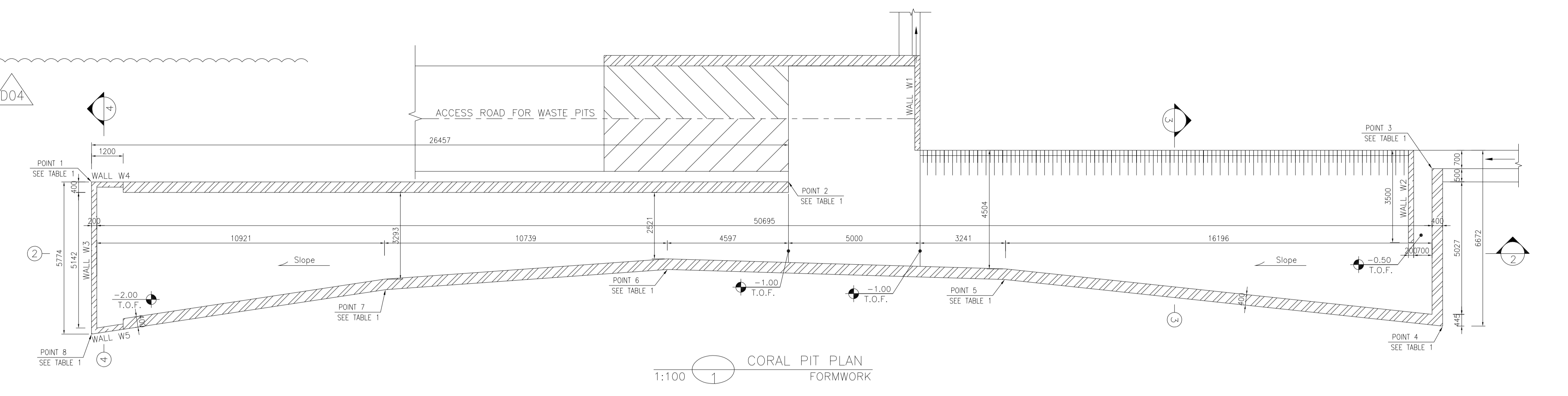
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

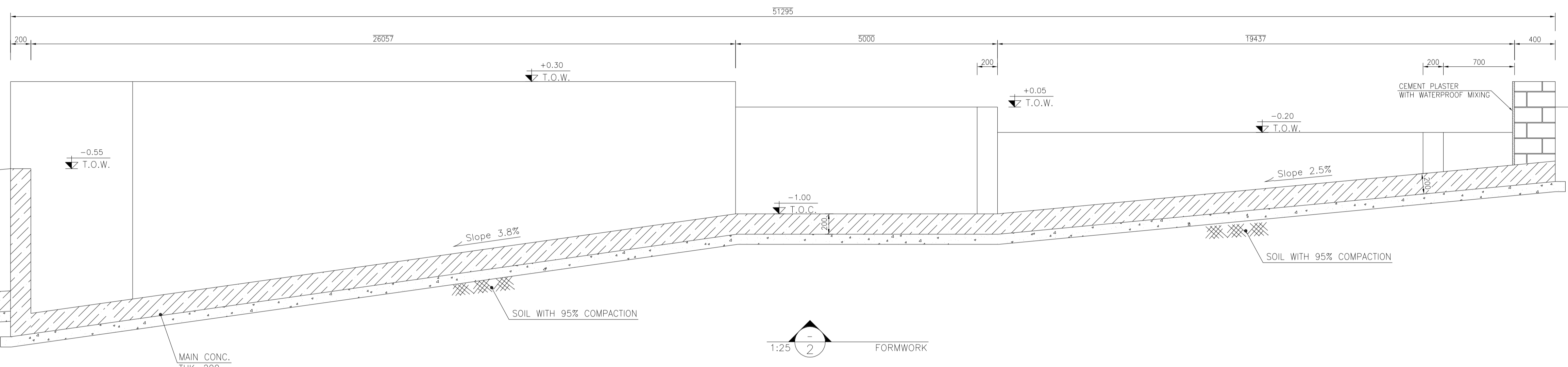
APPROVED FOR CONSTRUCTION	BY:	DATE:



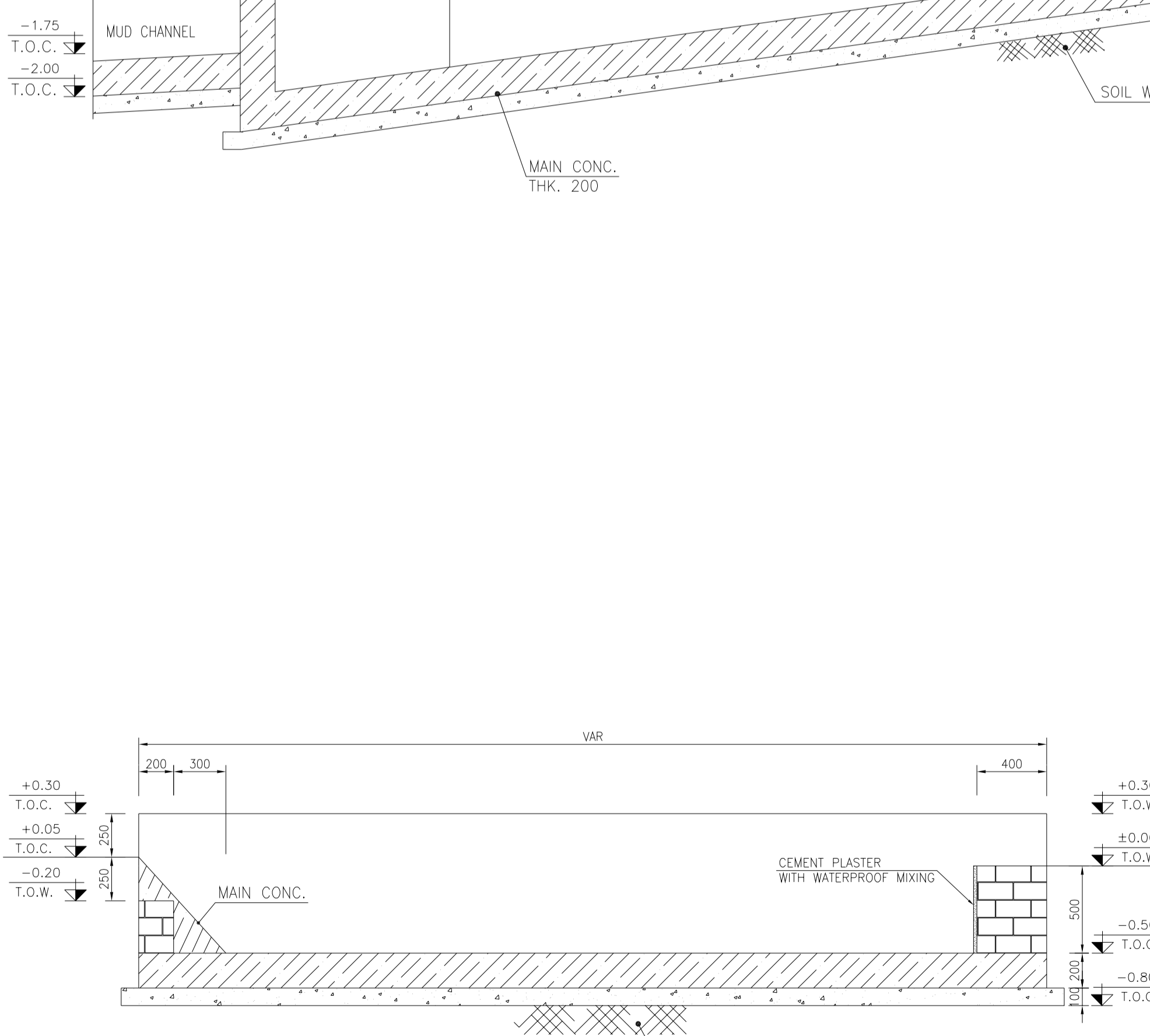
D04



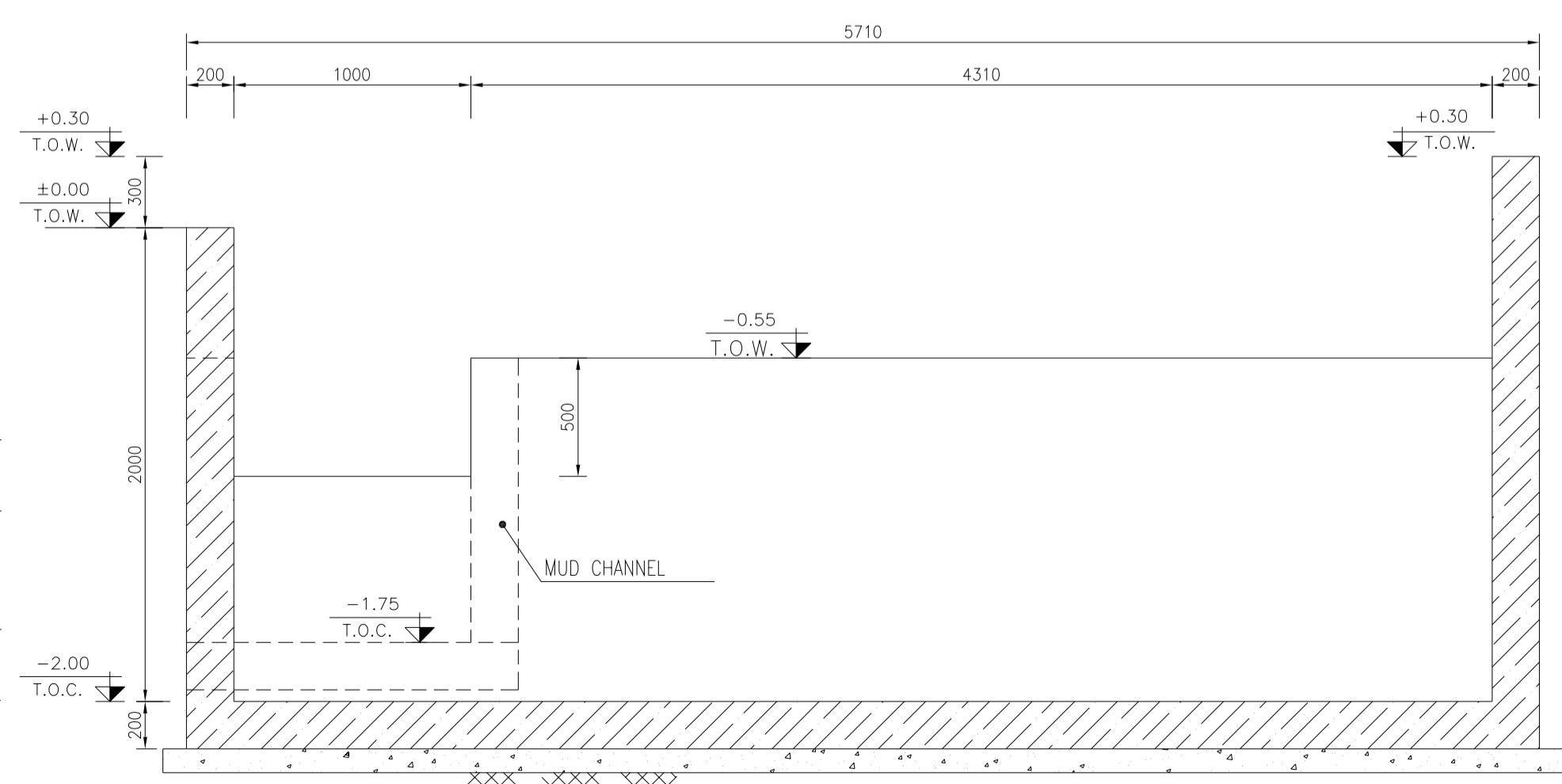
1:100 CORAL PIT PLAN FORMWORK



1:25 FORMWORK



1:25 FORMWORK



1:25 FORMWORK

- NOTES
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW: HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84) MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM) VERTICAL DATUM: MSL
 - 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

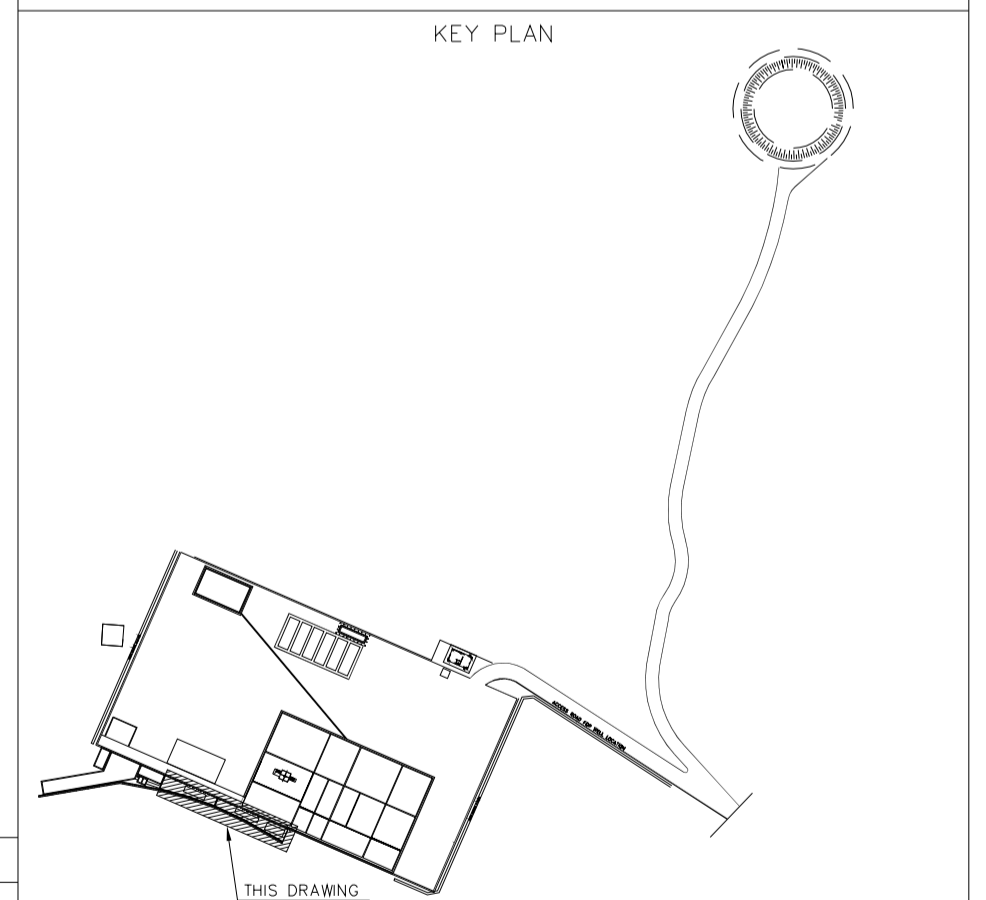
	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD
B.O.C. BOTTOM OF CONCRETE

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWICHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWICHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

TABLE 1 (CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437787.661	N=3295004.003
POINT 2	E=437812.004	N=3294993.390
POINT 3	E=437834.588	N=3294983.544
POINT 4	E=437832.672	N=3294978.399
POINT 5	E=437818.054	N=3294986.714
POINT 6	E=437806.470	N=3294992.179
POINT 7	E=437796.348	N=3294995.753
POINT 8	E=437785.353	N=3294998.705



REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

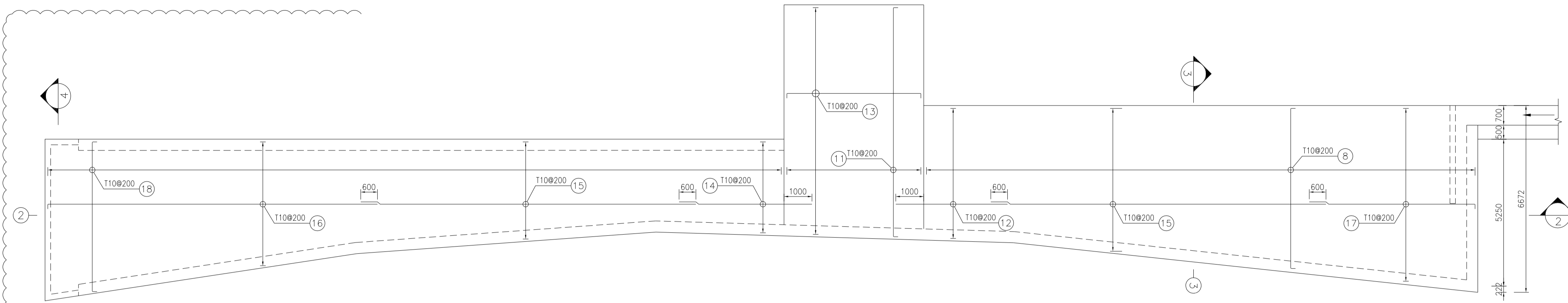
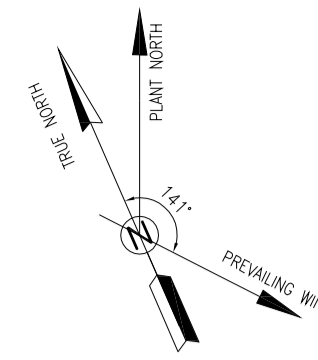
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 CORAL PIT FORMWORK - DETAIL & SECTION

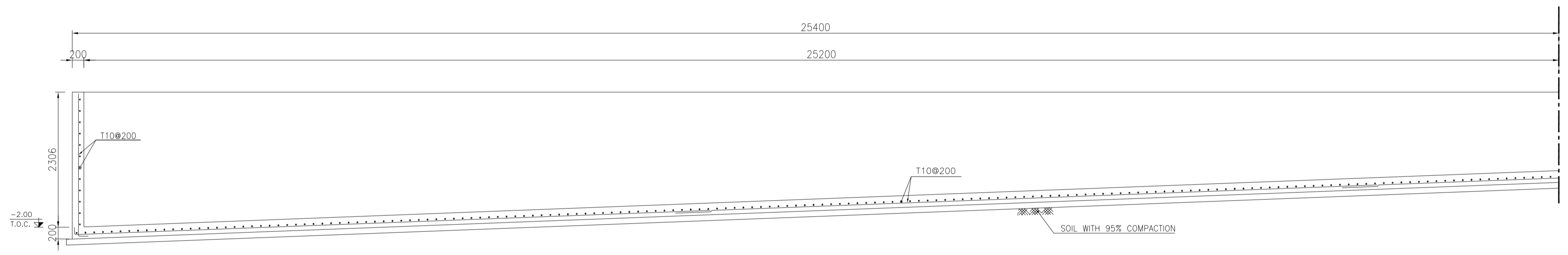
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

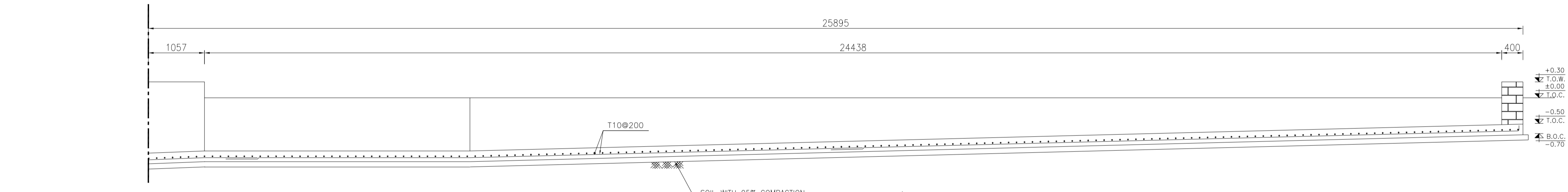
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	12 OF 98	D04	053-073-9184	F	4	S	708209	12	D04



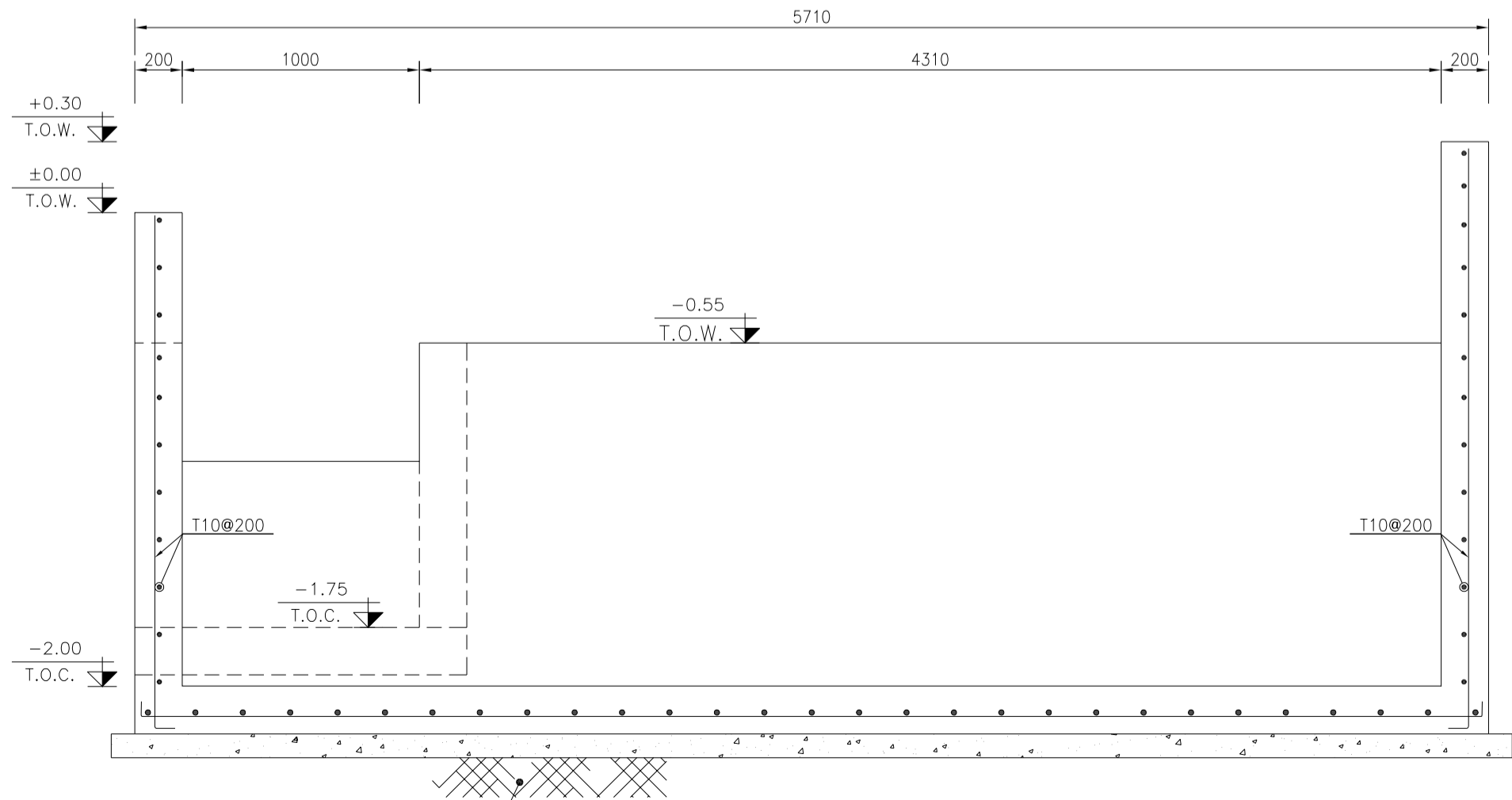
1:100 CORAL PIT PLAN REINFORCEMENT



1:50 2 REINFORCEMENT



1:25 3 REINFORCEMENT



1:25 4 REINFORCEMENT

- NOTES
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

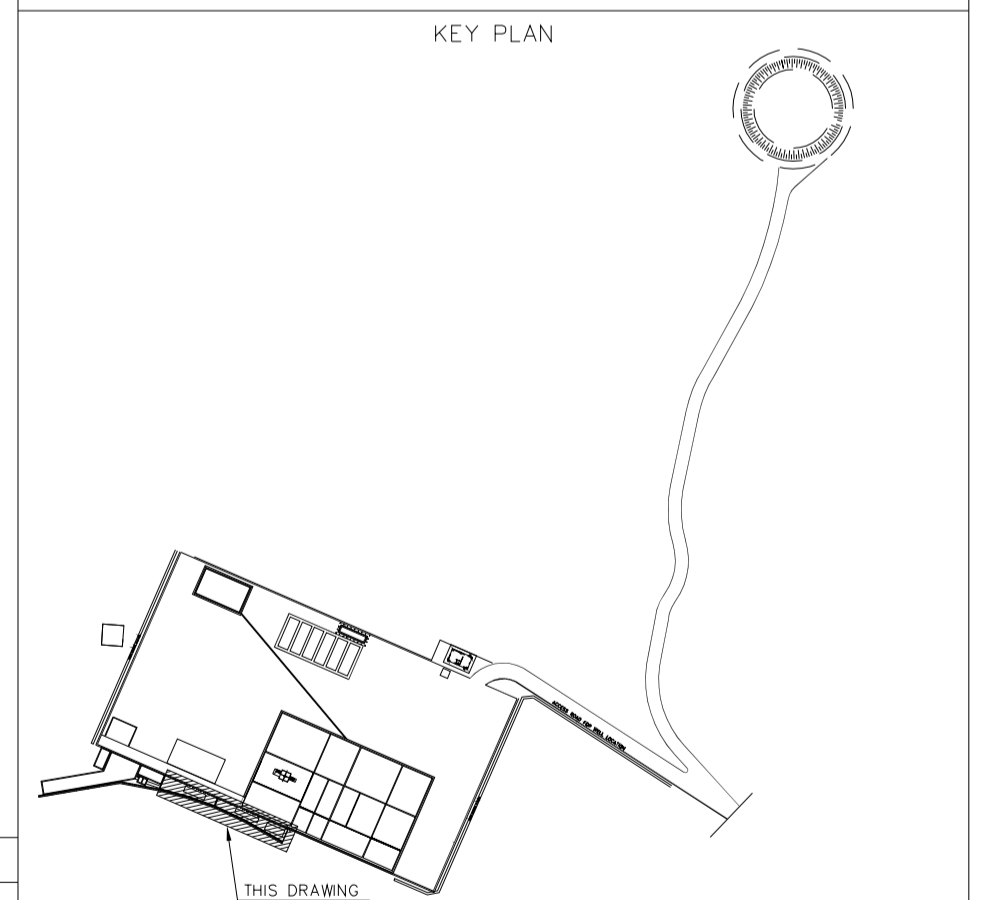
LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD
B.O.C. BOTTOM OF CONCRETE

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT /SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 SECTION REINFORCEMENT PLAN

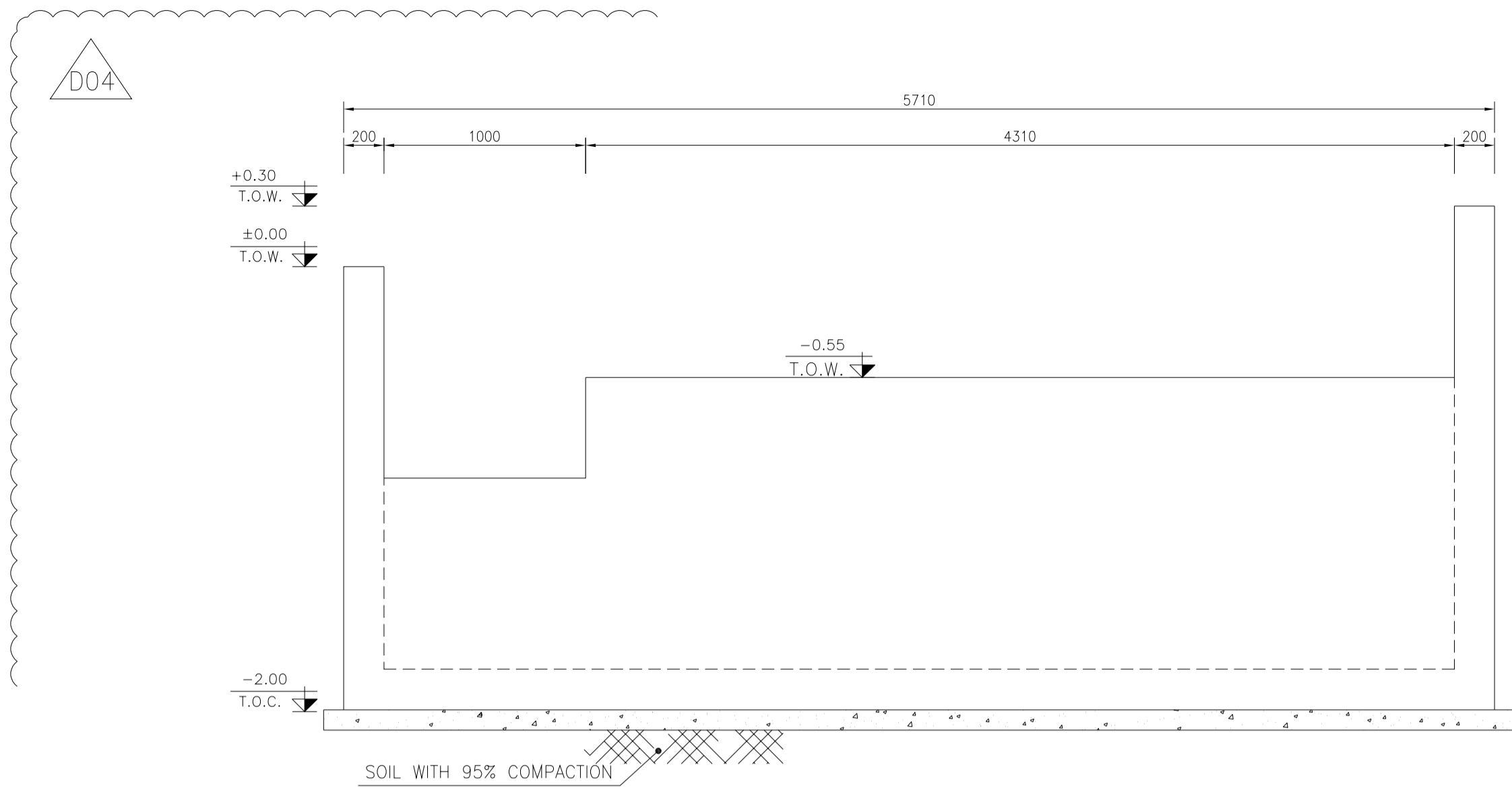
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	13 OF 98	D04	053-073-9184	F	4	S	708209	13	D04

APPROVED FOR CONSTRUCTION

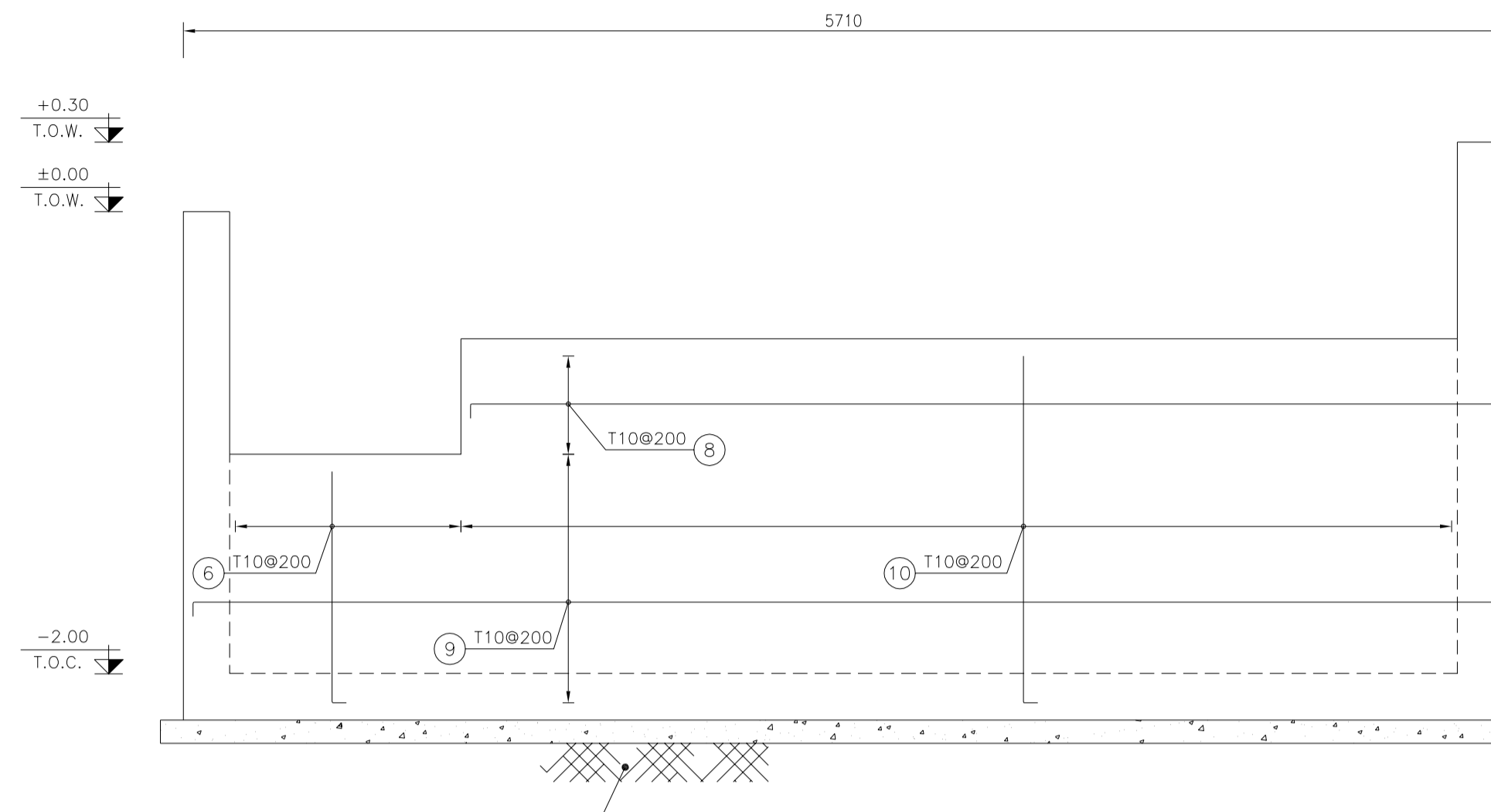
BY: _____ DATE: _____

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

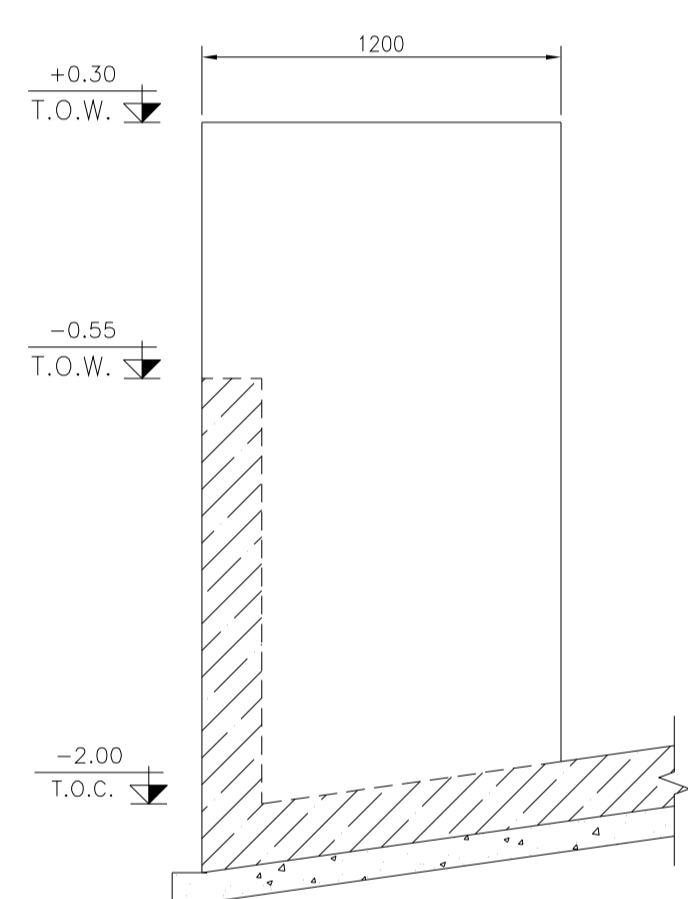
DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.



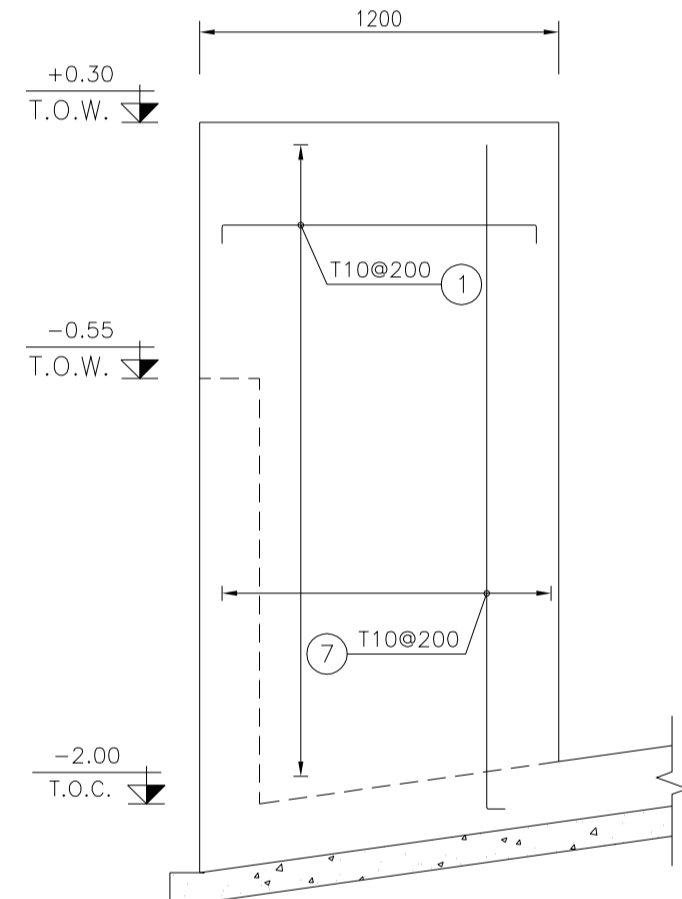
1:25 WALL W3 FORMWORK



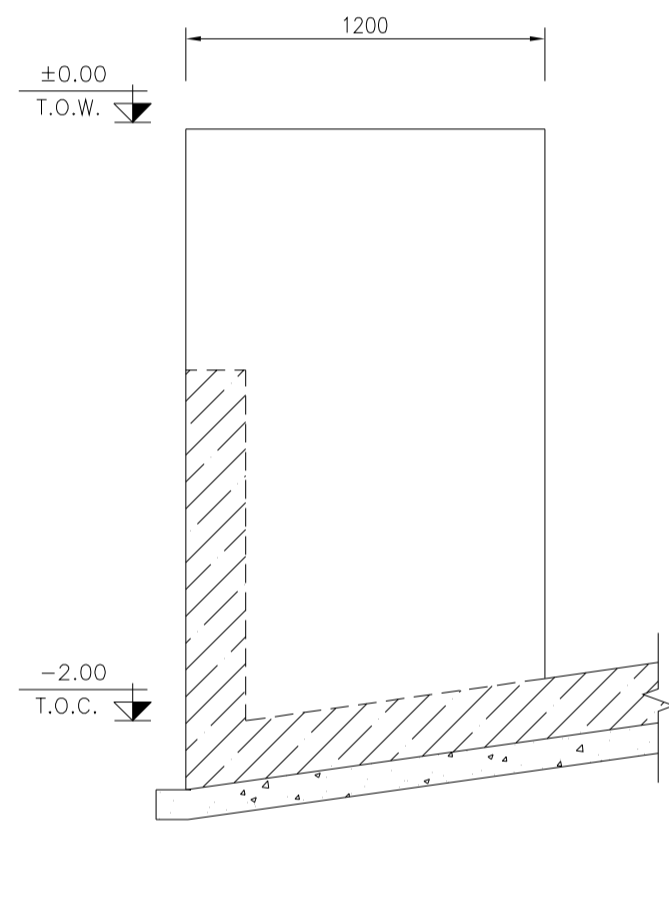
1:25 WALL W3 REINFORCEMENT



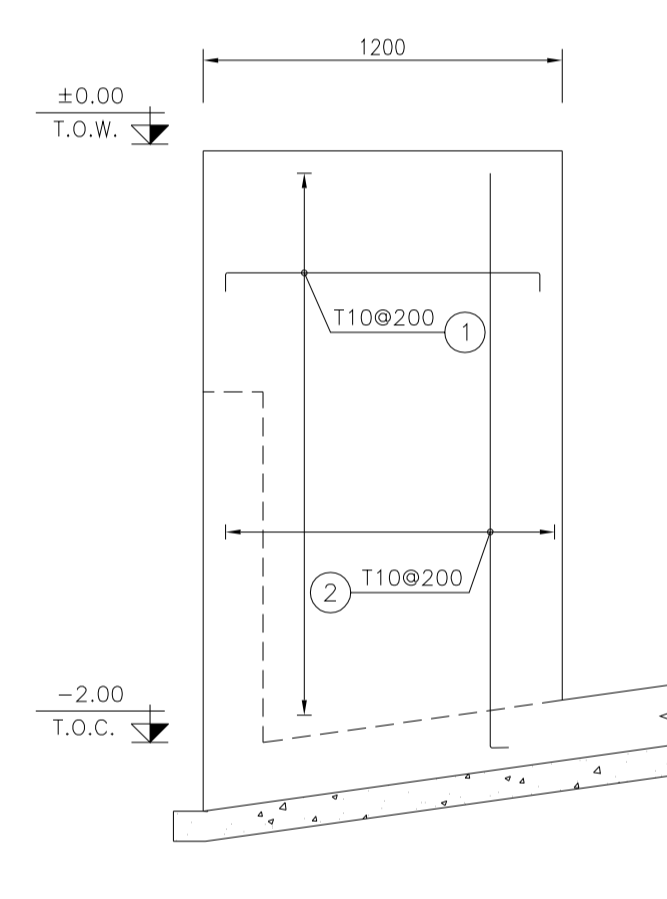
1:25 WALL W4 FORMWORK



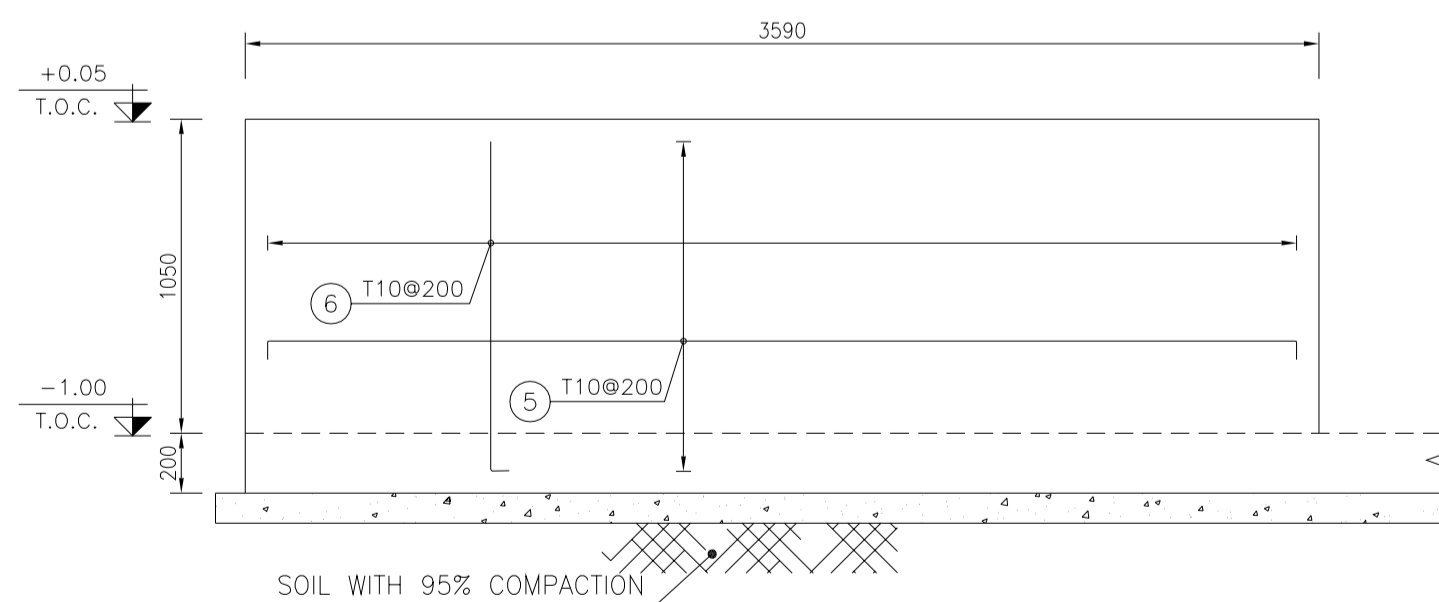
1:25 WALL W4 REINFORCEMENT



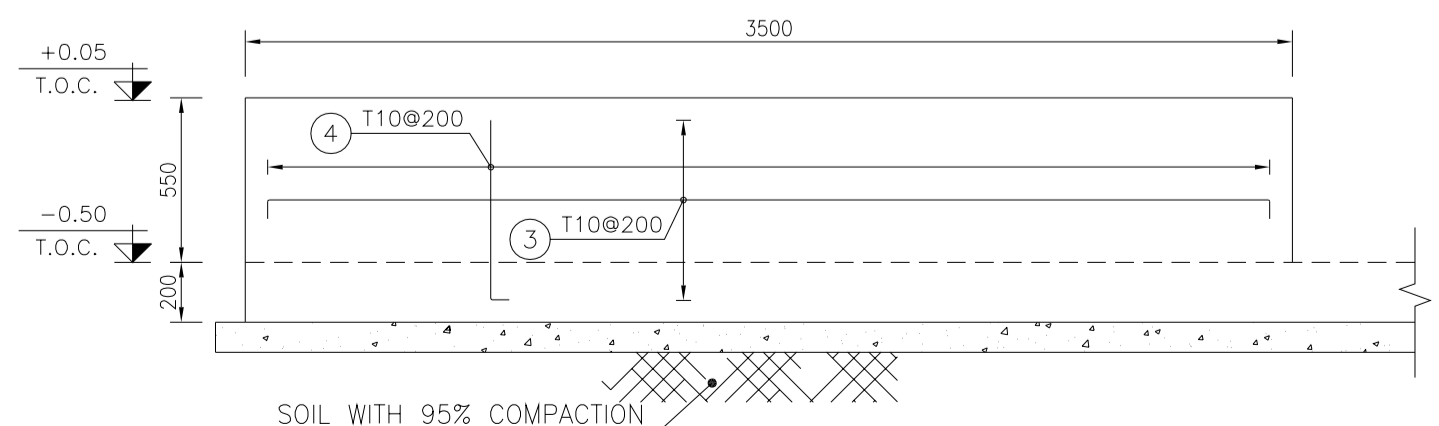
1:25 WALL W5 FORMWORK



1:25 WALL W5 REINFORCEMENT



1:25 WALL W1 REINFORCEMENT



1:25 WALL W1 REINFORCEMENT

Pos	Spec.	Shape	L/A	No.	T10
1	T10	200 1050 200	1.450	84	121.800
2	T10	200 2000 200	2.200	8	17.600
3	T10	200 3350 200	3.750	4	15.000
4	T10	200 600 200	0.800	18	14.400
5	T10	200 3440 200	3.840	7	26.880
6	T10	200 1000 200	1.200	14	16.800
7	T10	200 2300 200	2.500	8	20.000
8	T10	200 4500 200	4.900	104	509.600
9	T10	200 5700 200	6.100	7	42.700
10	T10	200 1300 200	1.500	24	36.000

Pos	Spec.	Shape	L/A	No.	T10
11	T10	200 8200 200	8.600	26	223.600
12	T10	4000	4.000	25	100.000
13	T10	200 7800 200	8.200	42	344.400
14	T10	5000	5.000	18	90.000
15	T10	12000	12.000	72	864.000
16	T10	200 11800 200	12.000	28	336.000
17	T10	200 6000 200	6.200	34	210.800
18	T10	200 5500 200	5.900	133	784.700
TOTAL LENGTH OR AREA (m/m ²)					3774.28
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					2328.73
GRAND TOTAL (Kg)					2329 Kg.

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 SECTION REINFORCEMENT PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	14 OF 98	D04	053-073-9184	F	4	S	708209	14	D04

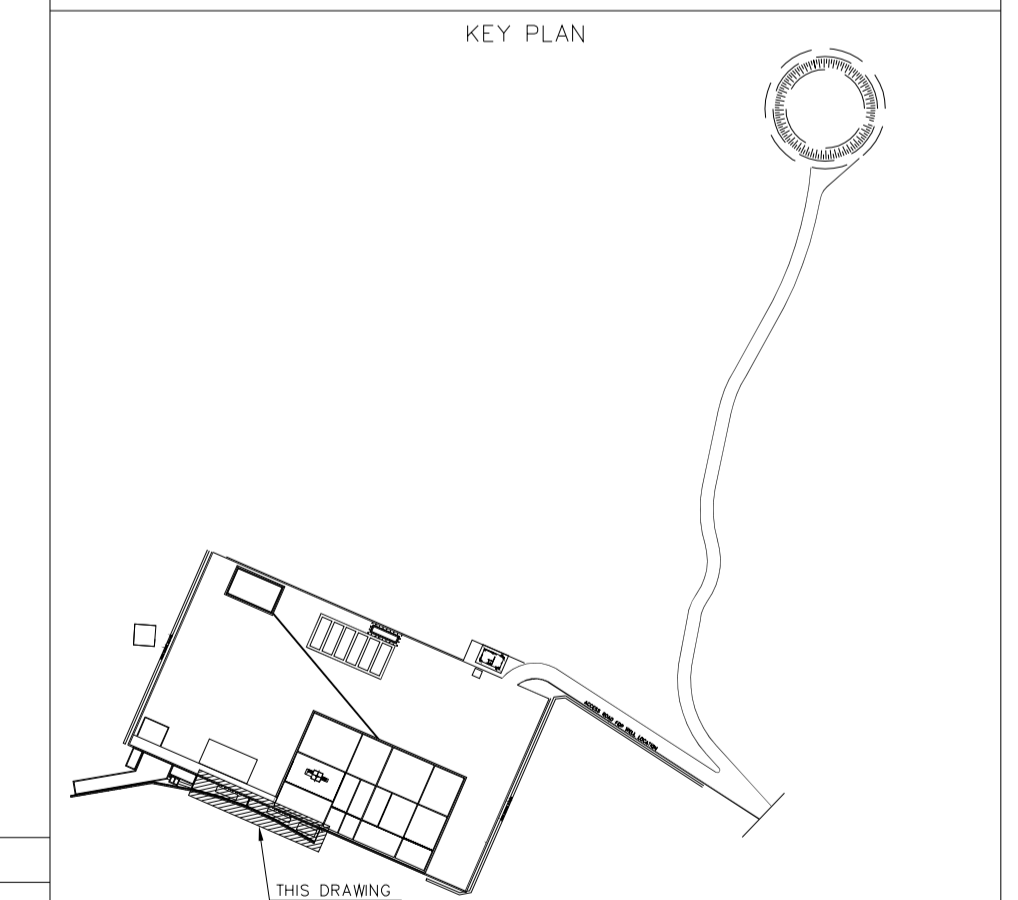
- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW: HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84) MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM) VERTICAL DATUM: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD
B.O.C. BOTTOM OF CONCRETE

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-SP-0003
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



THIS DRAWING

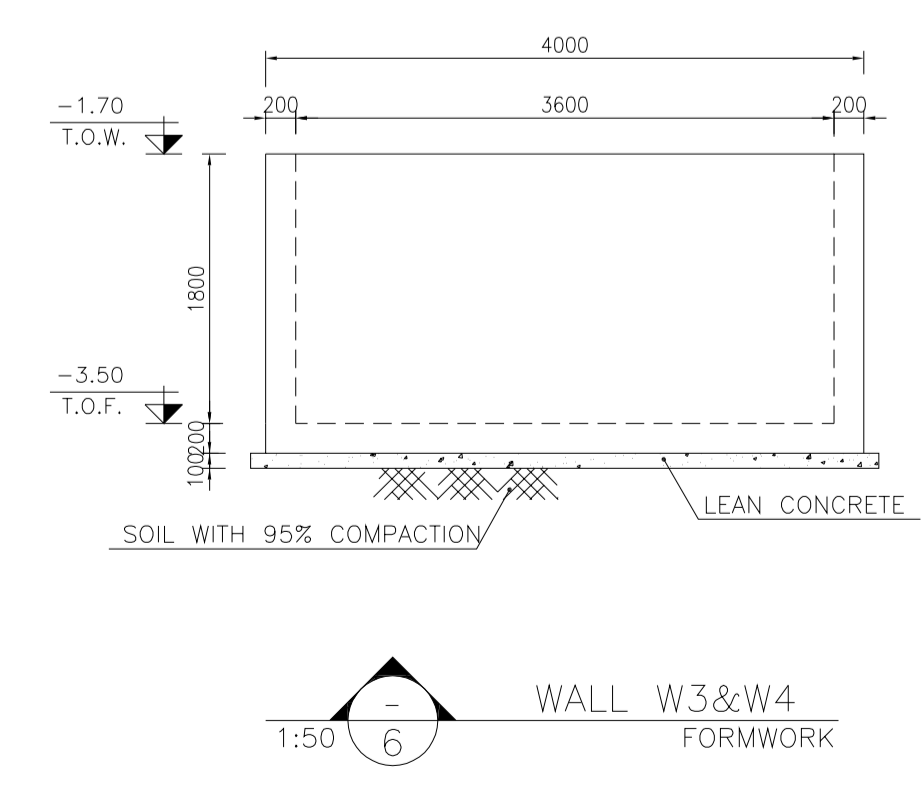
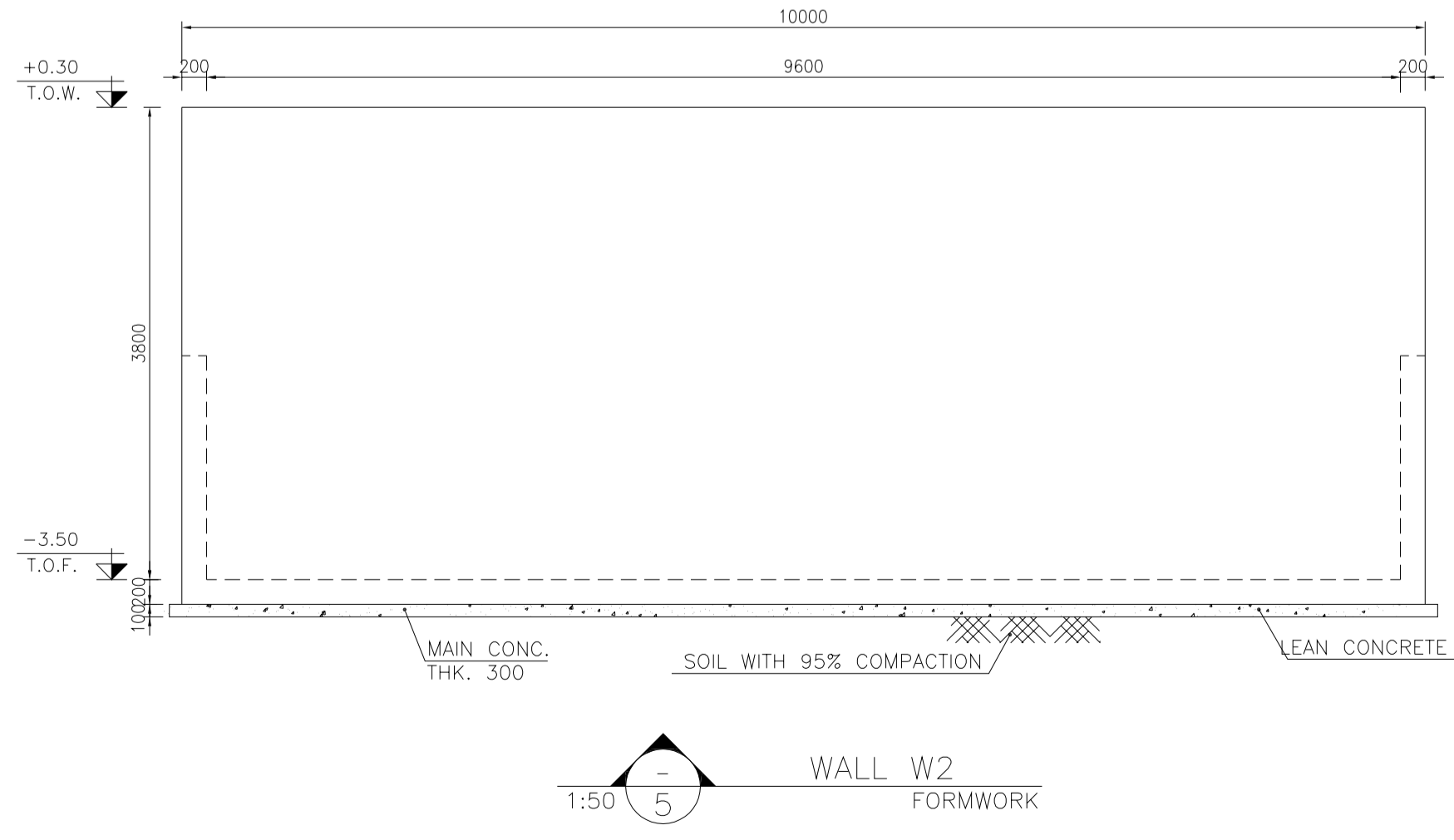
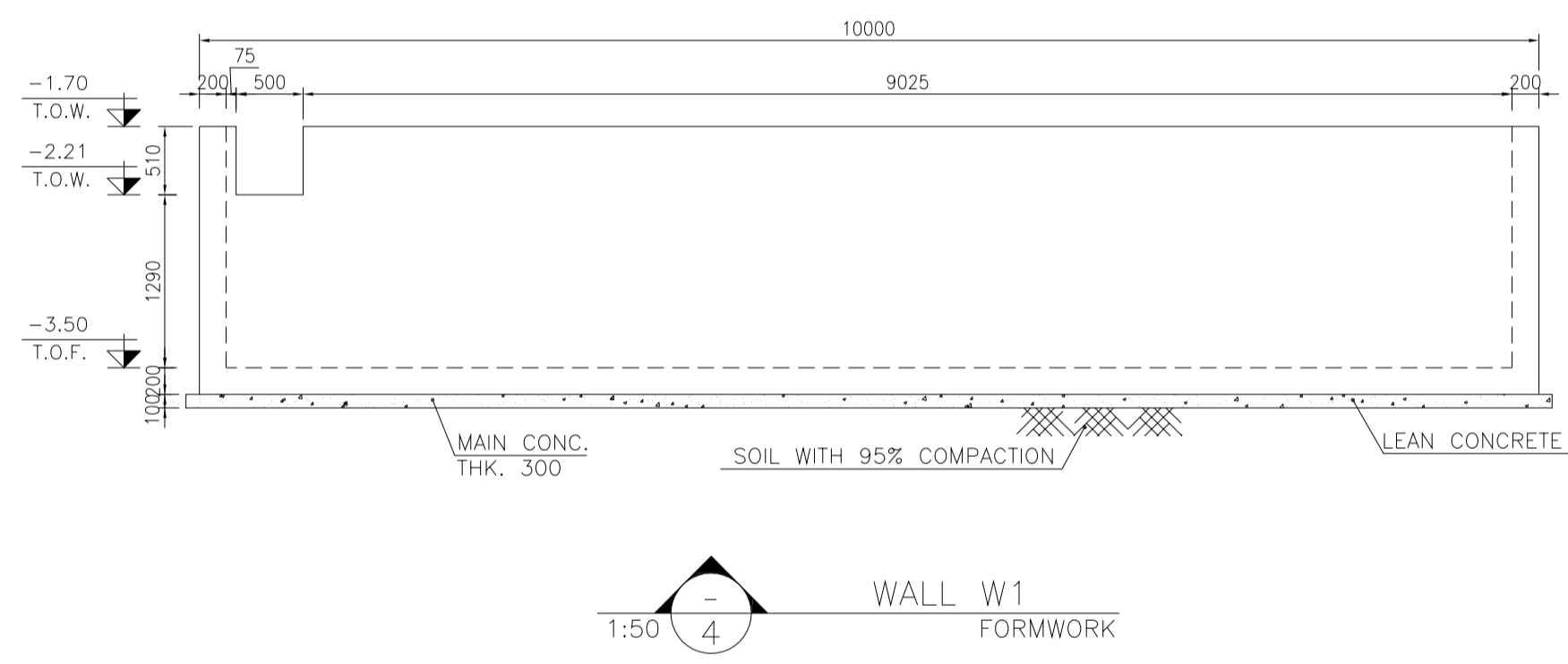
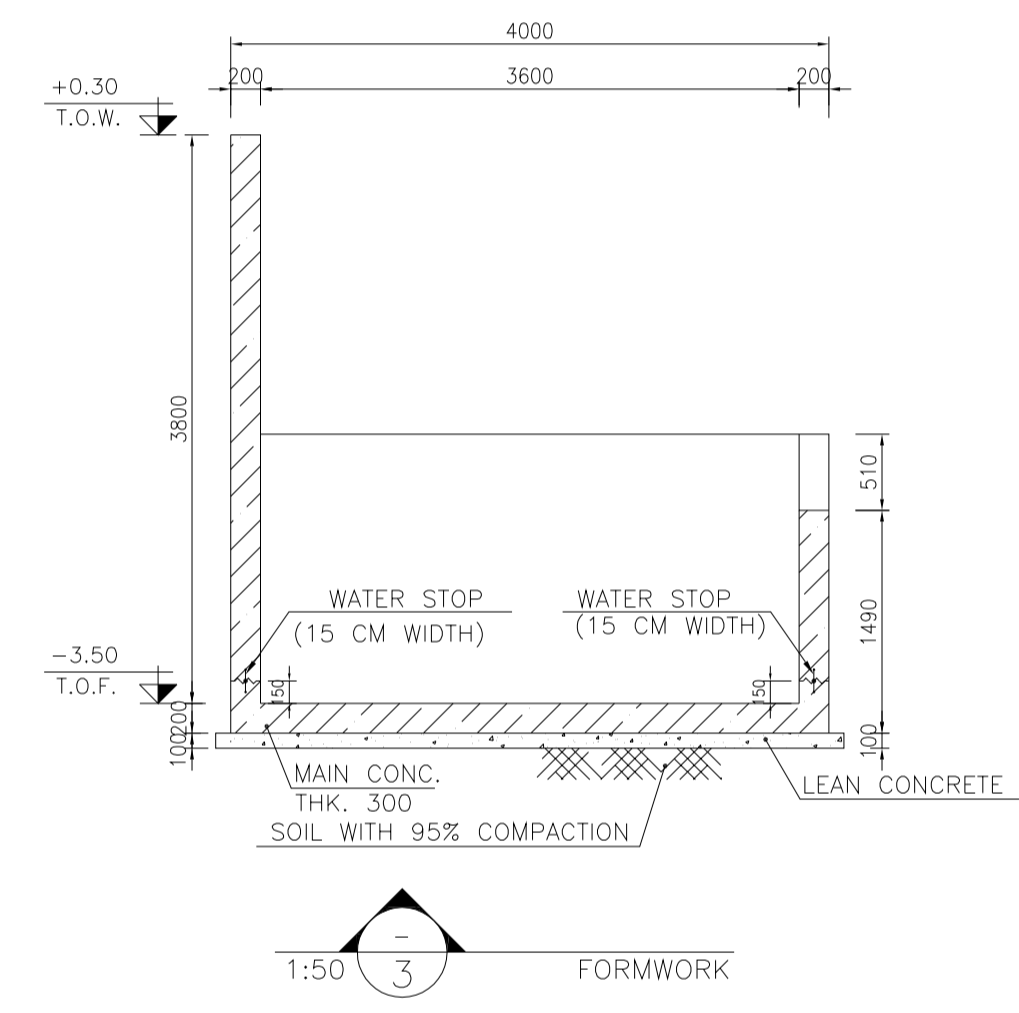
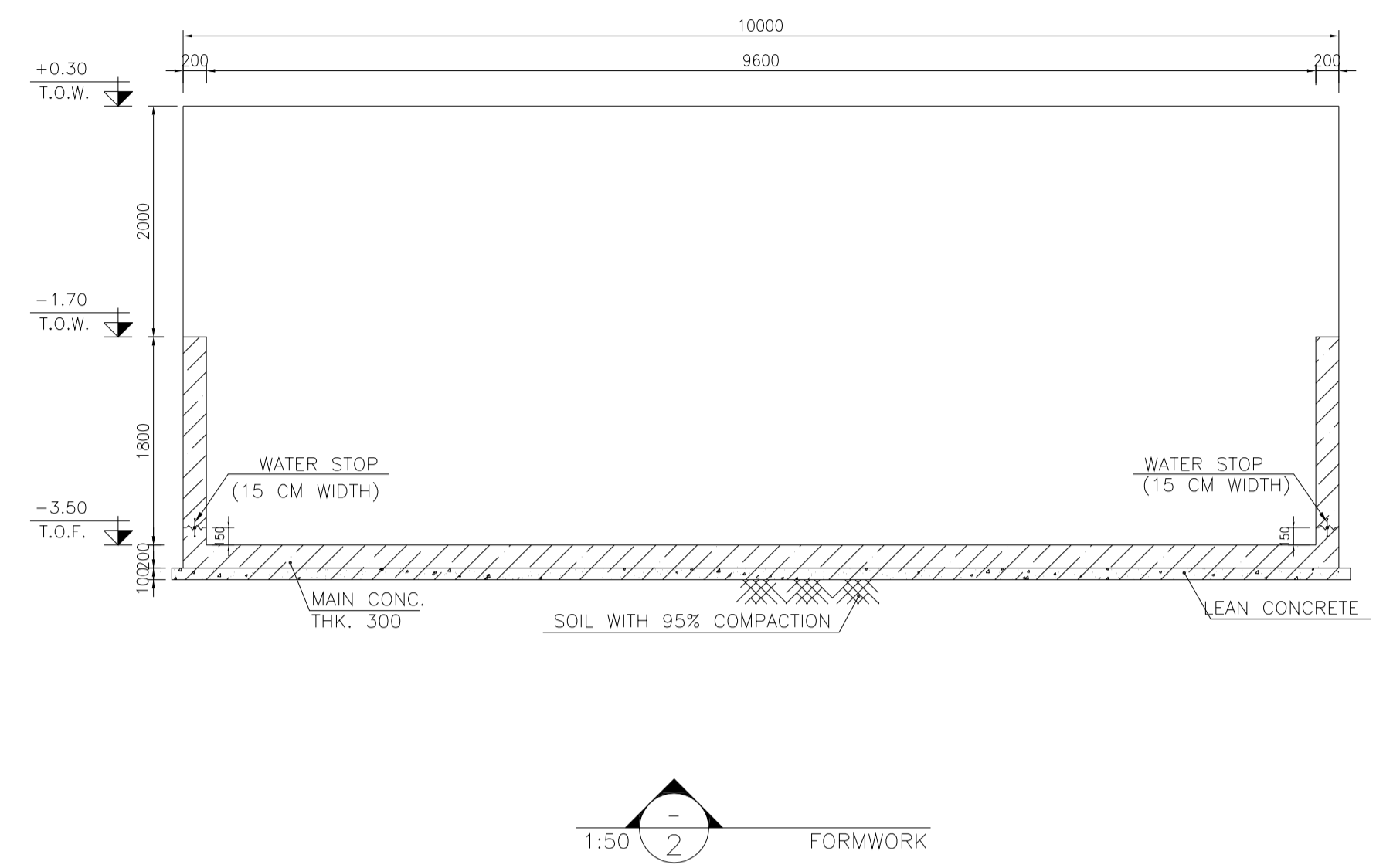
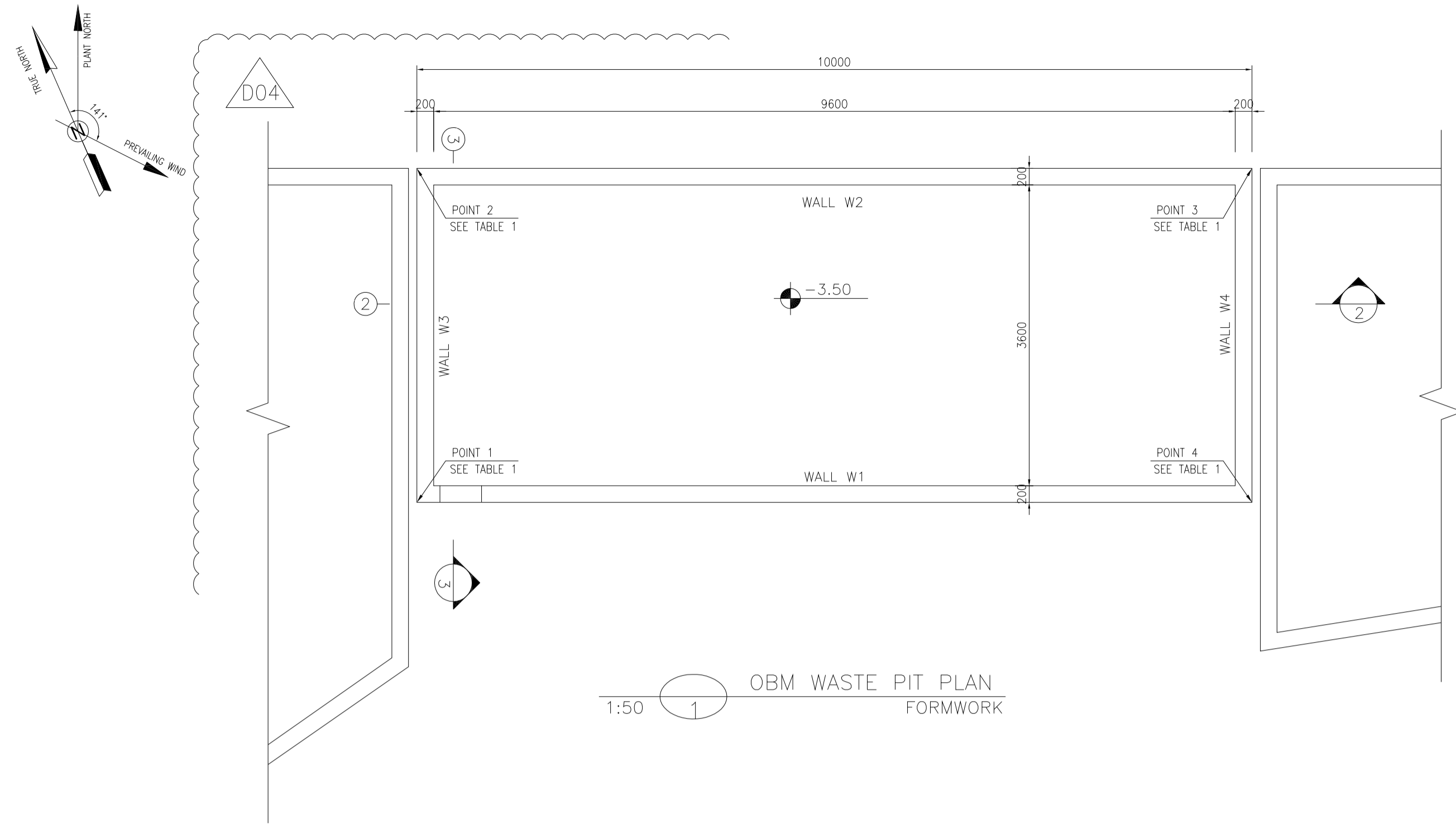
اخذ و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشند.

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:



- NOTES**
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW: HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84) MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM) VERTICAL DATUM: MSL
 - 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R TOP OF ROAD
B.O.C BOTTOM OF CONCRETE

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

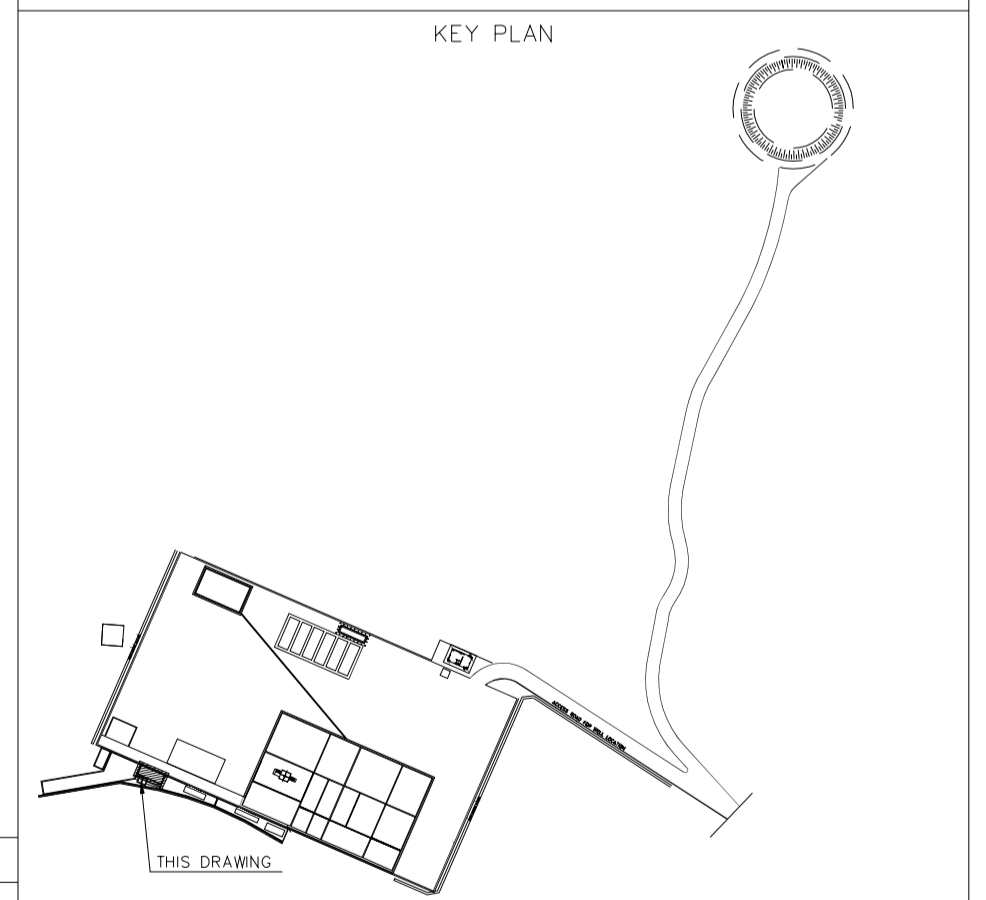


TABLE 1 (CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437776.896	N=3295004.333
POINT 2	E=437778.495	N=3295008.000
POINT 3	E=437787.661	N=3295004.003
POINT 4	E=437786.063	N=3295000.337

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: **HIRGAN ENERGY** - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): **PETROIRAN DEVELOPMENT COMPANY**

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

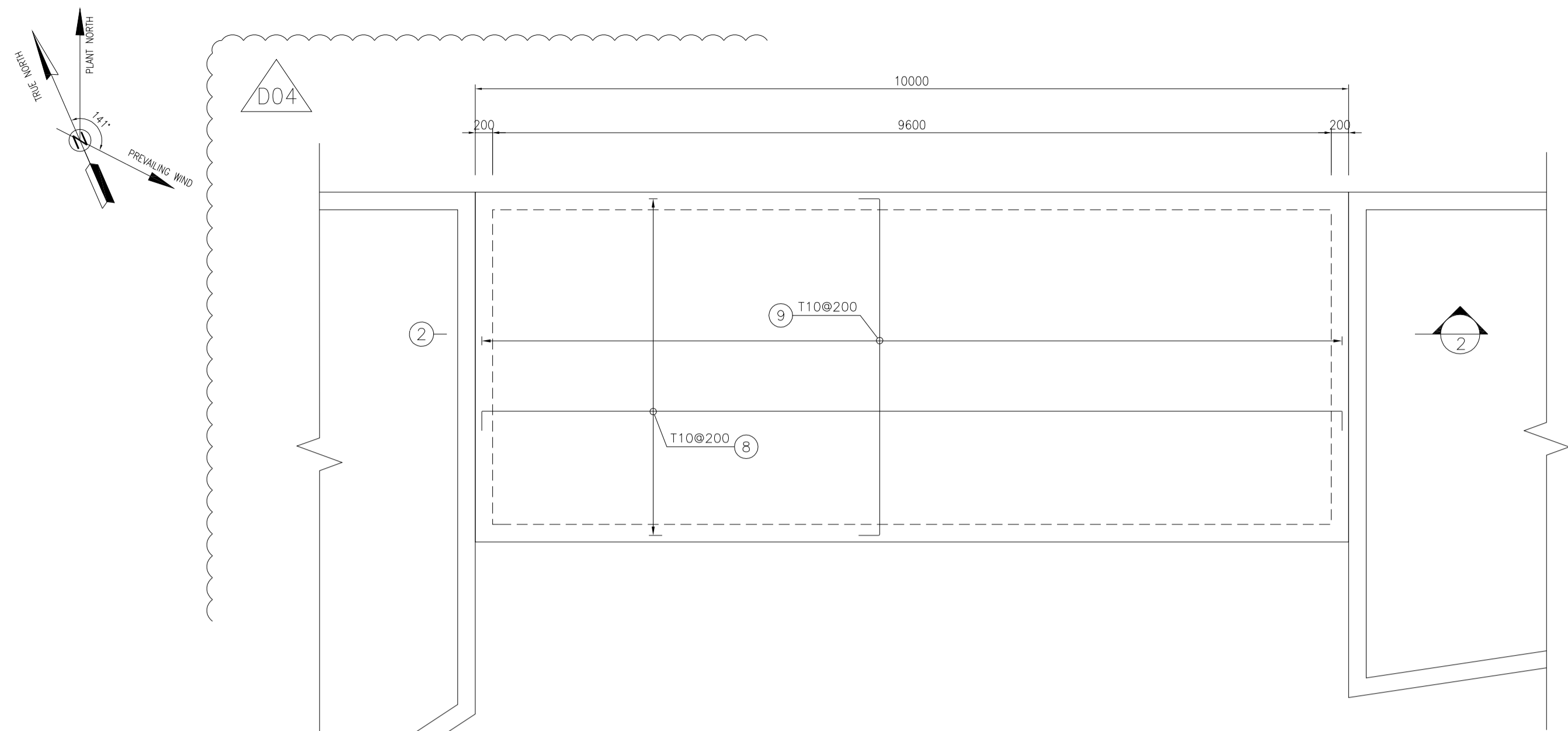
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

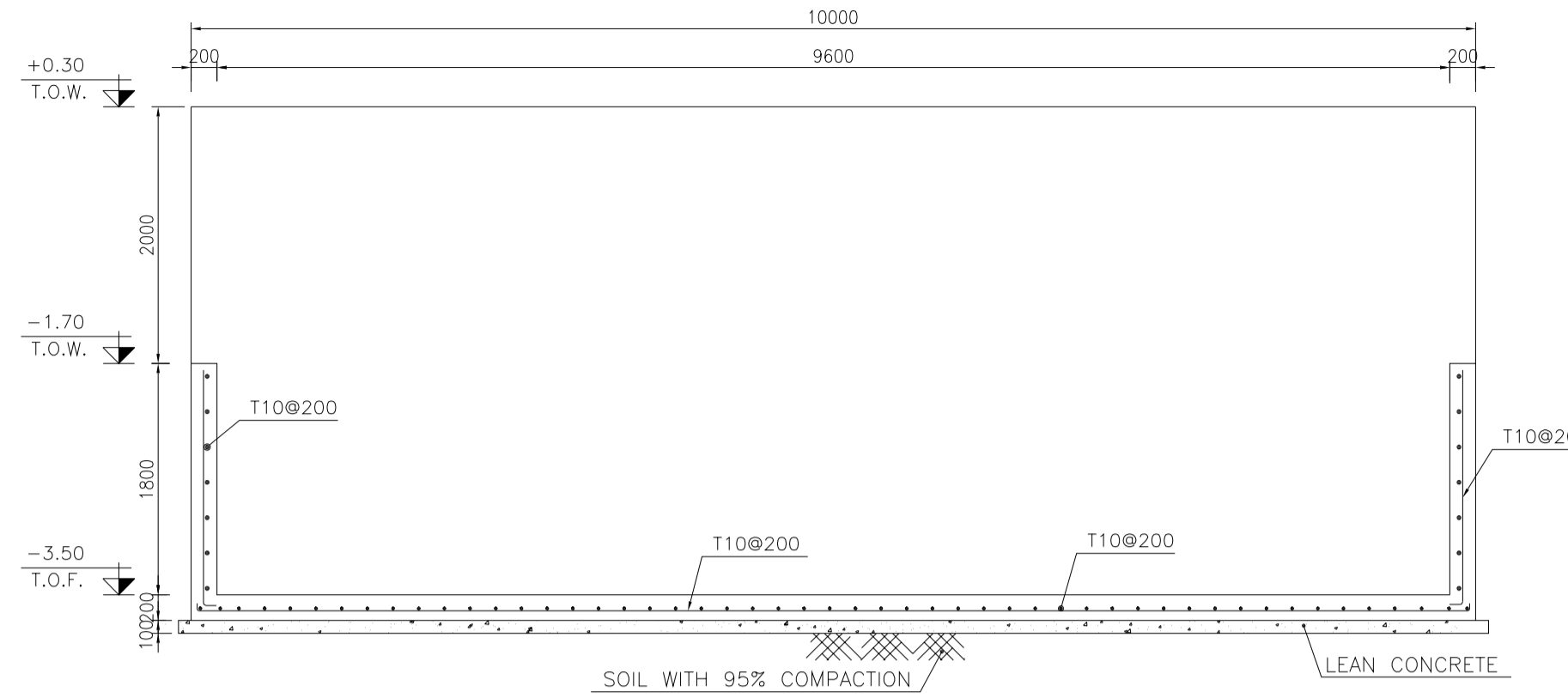
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 OBM WASTE PIT FORMWORK PLAN-SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

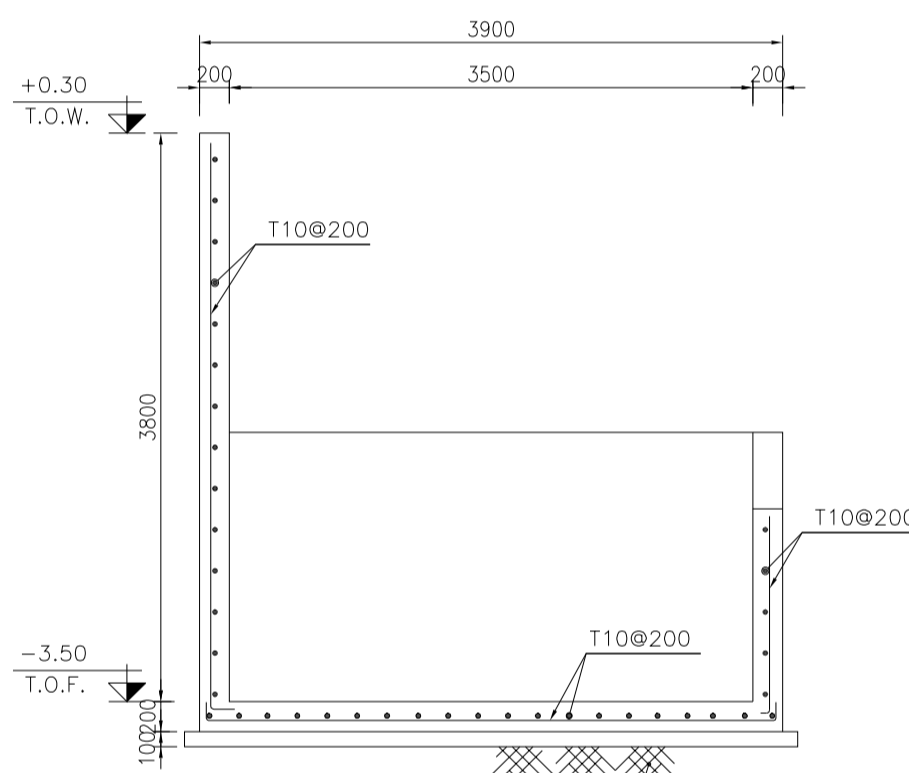
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	15 OF 98	D04	053-073-9184	F	4	S	708209	15	D04



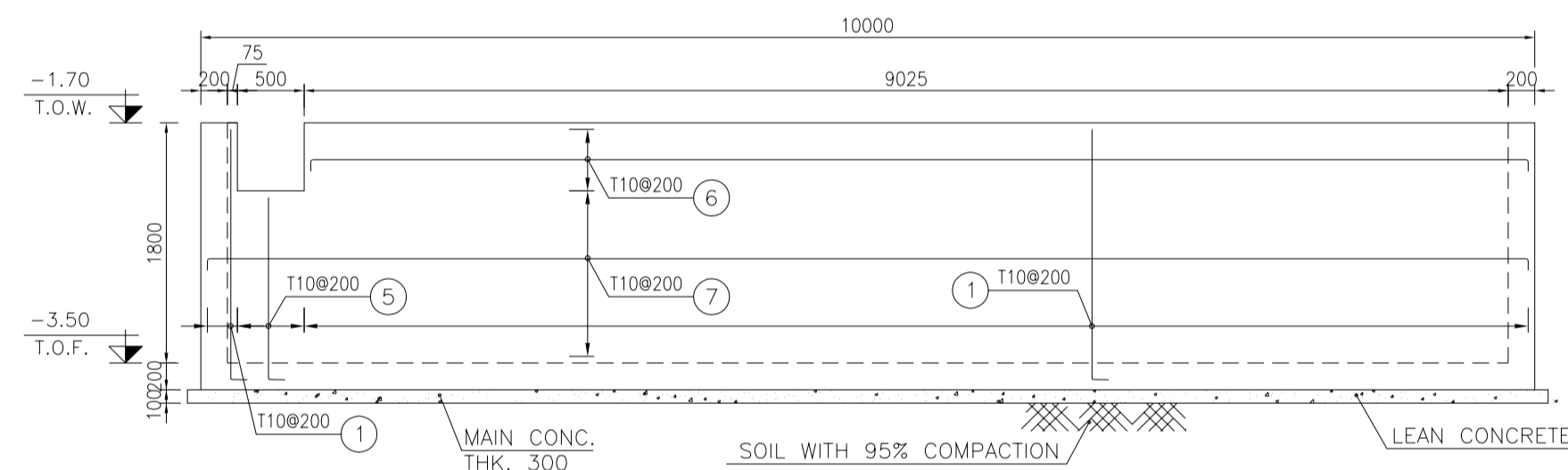
1:50 (1) OBM WASTE PIT PLAN REINFORCEMENT



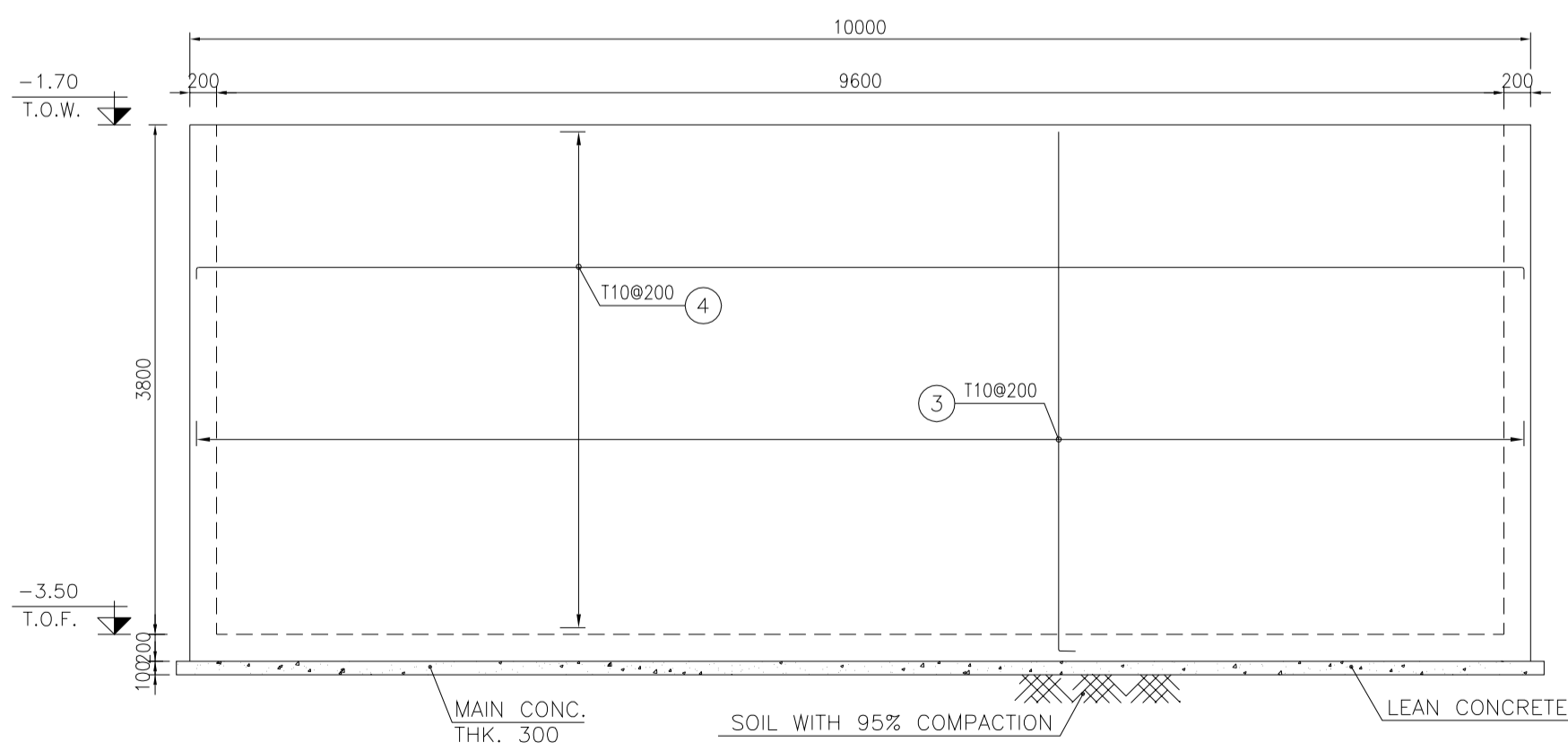
1:50 (2) REINFORCEMENT



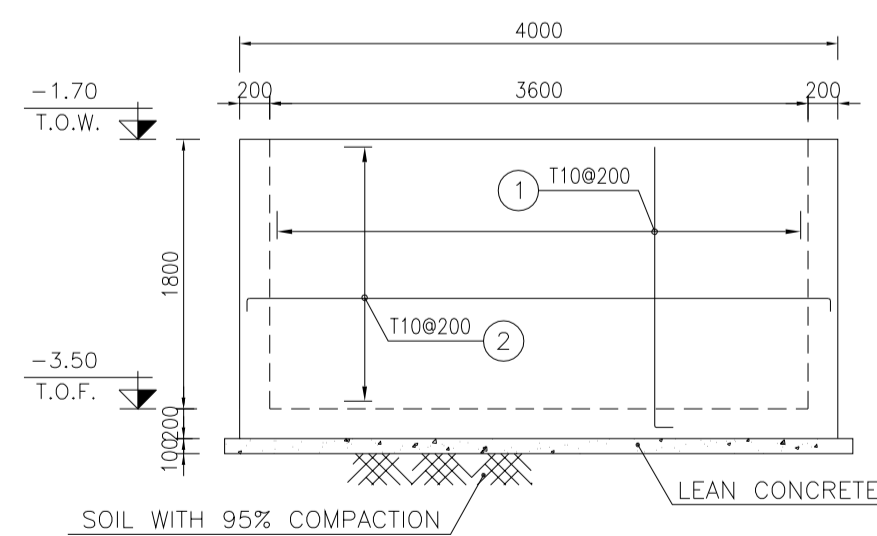
1:50 (3) REINFORCEMENT



1:50 (4) WALL W1 REINFORCEMENT



1:50 (5) WALL W2 REINFORCEMENT



1:50 (6) WALL W3&W4 REINFORCEMENT

- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW: HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84) MAP PROJECTION : UNIVERSAL TRANSVERSE MERCATOR (UTM) VERTICAL DATUM : MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

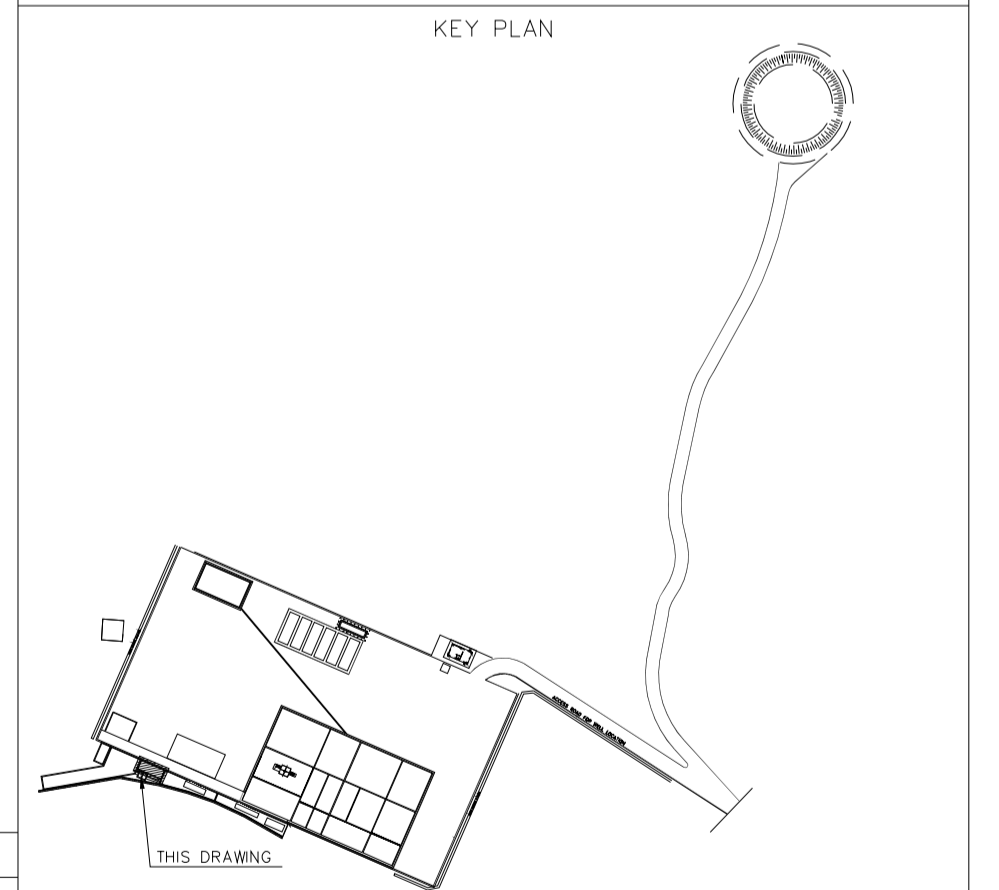
LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD
B.O.C. BOTTOM OF CONCRETE

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-SP-0003
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR DIESEL GENERATOR TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

Pos	Spec.	Shope	L/A	No.	T10
1	T10	200 1900	2.100	84	176.400
2	T10	200 3700 200	4.100	20	82.000
3	T10	200 3900	4.100	48	196.800
4	T10	200 9700 200	10.100	20	202.000
5	T10	200 1400	1.600	4	6.400
6	T10	200 9150 200	9.550	3	28.650
7	T10	200 9900 200	10.300	8	82.400
8	T10	200 9850 200	10.250	21	215.250
9	T10	200 3850 200	4.250	51	216.750
TOTAL LENGTH OR AREA (m/m ²)					1206.65
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					744.50
GRAND TOTAL (Kg)					745 Kg.



REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

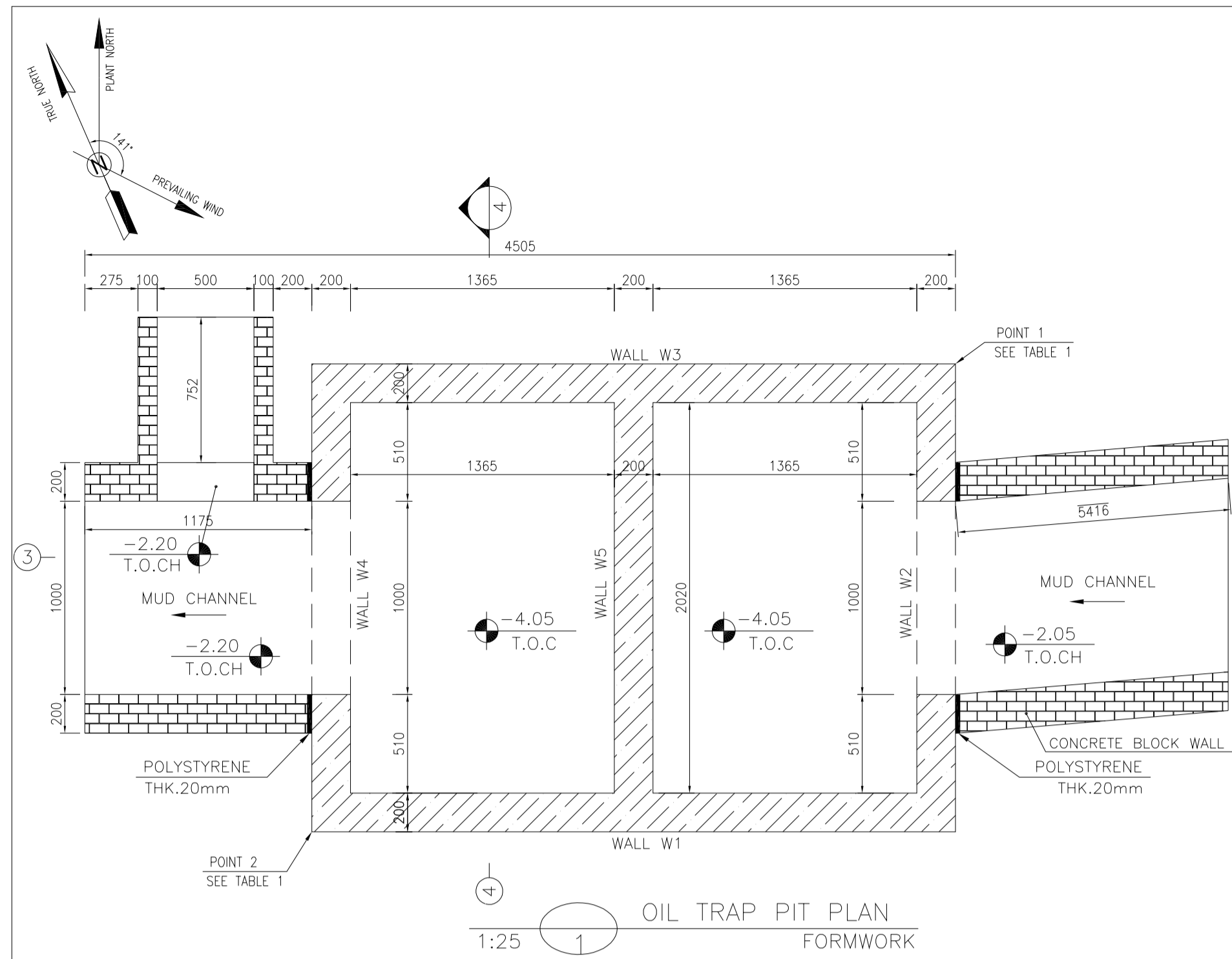
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 OBM WASTE PIT REINFORCEMENT PLAN-SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

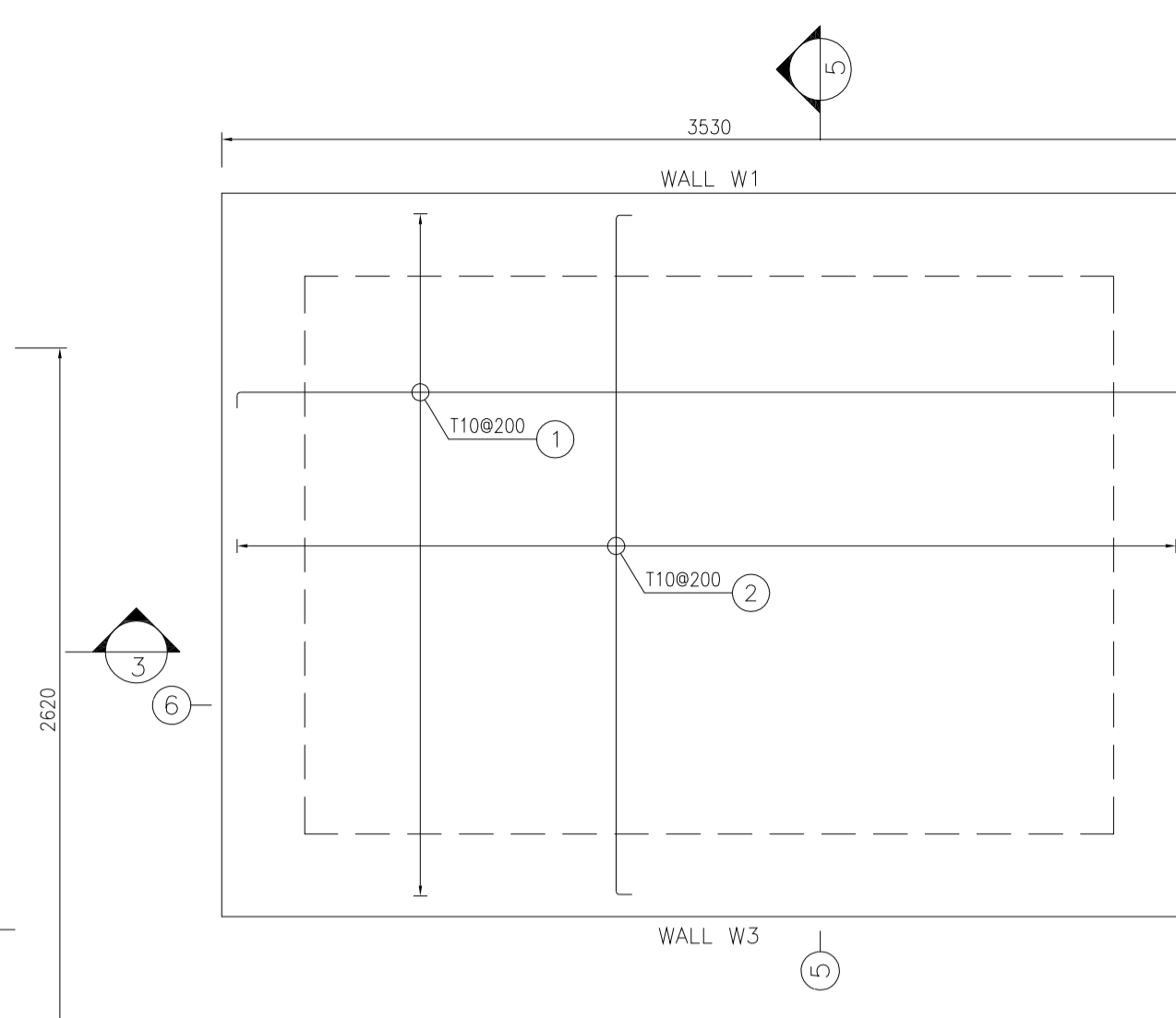
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

APPROVED FOR CONSTRUCTION	BY:	DATE:

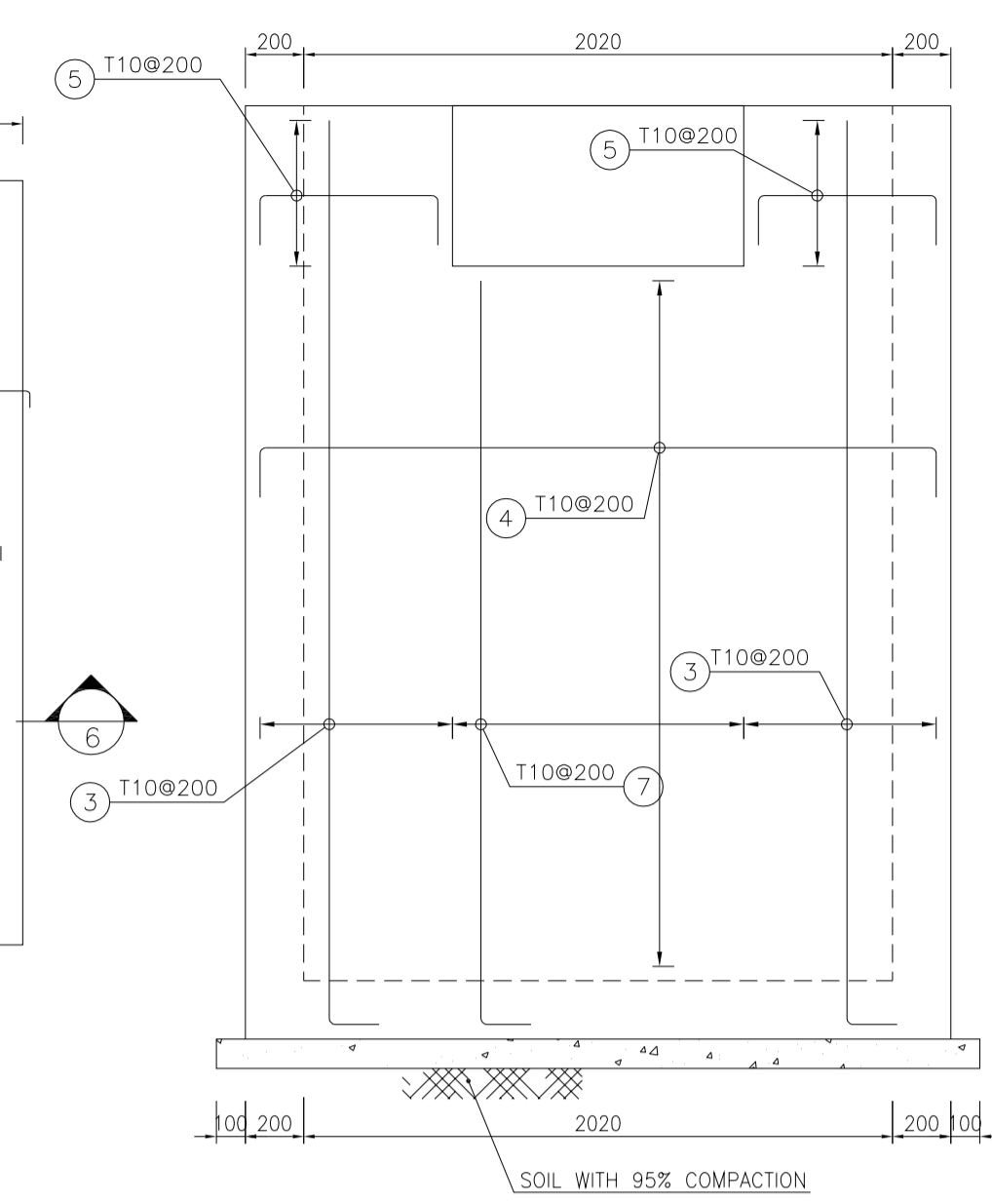
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	16 OF 98	D04	053-073-9184	F	4	S	708209	16	D04



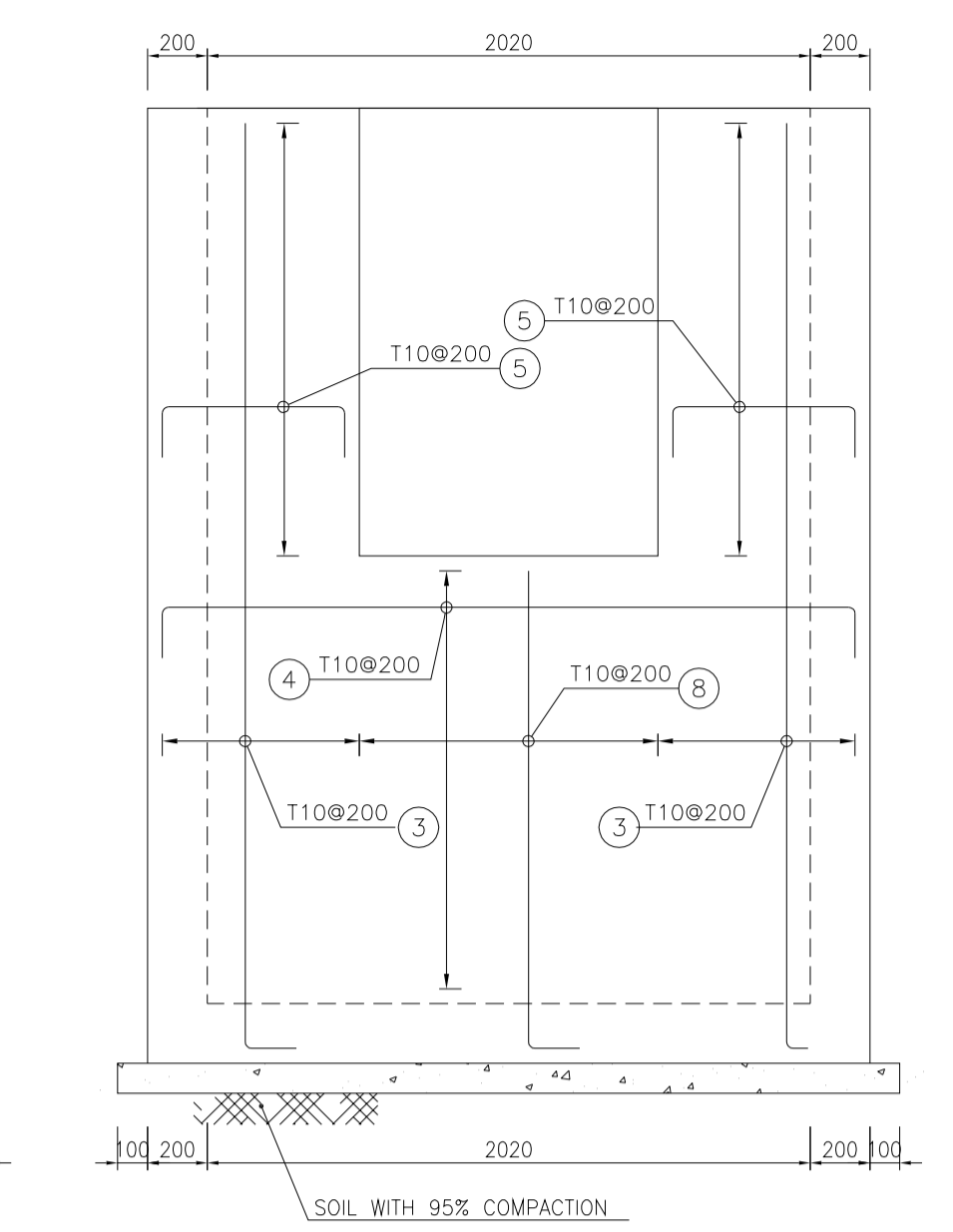
1:25 (1) OIL TRAP PIT PLAN FORMWORK



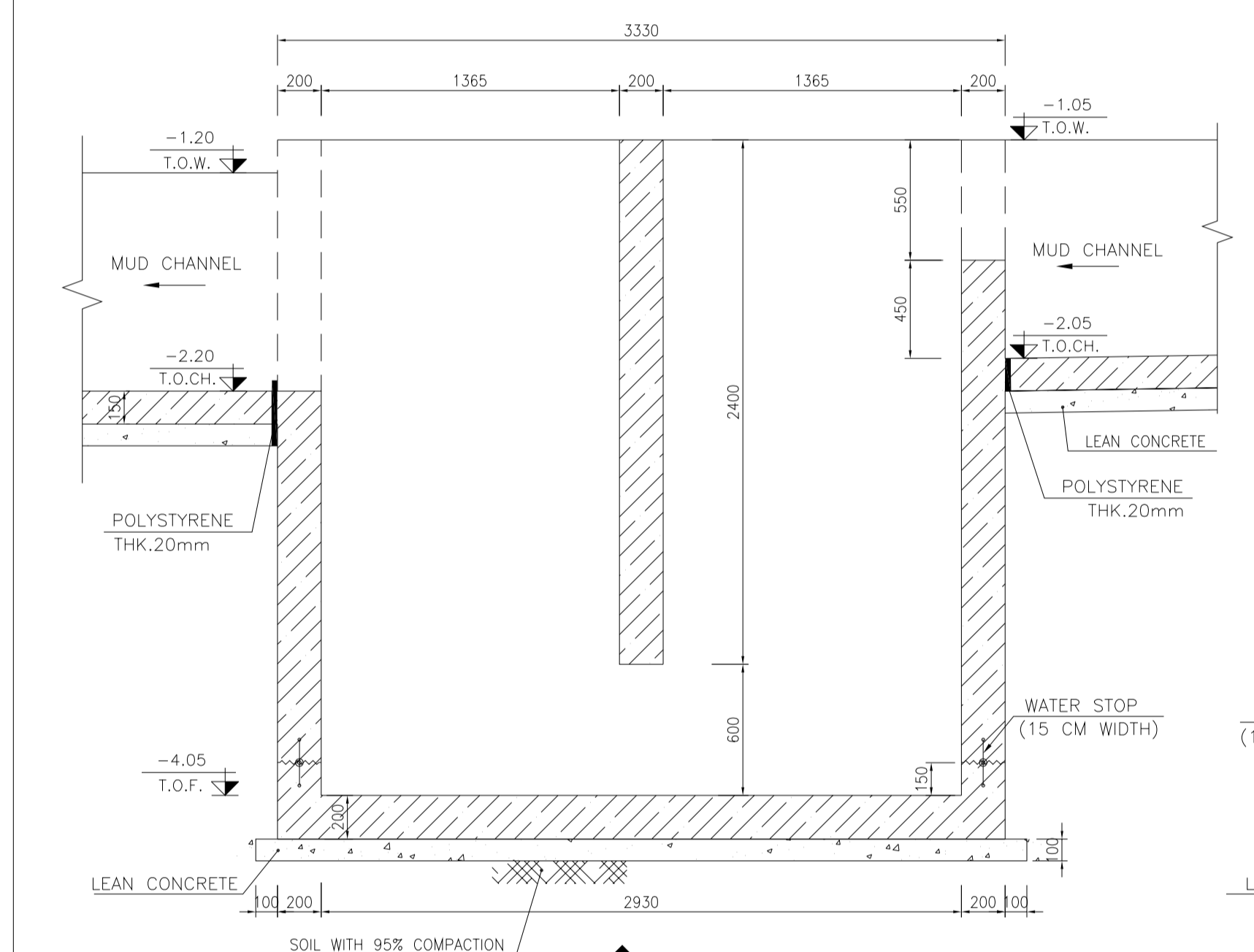
1:25 (2) OIL TRAP PIT PLAN REINFORCEMENT



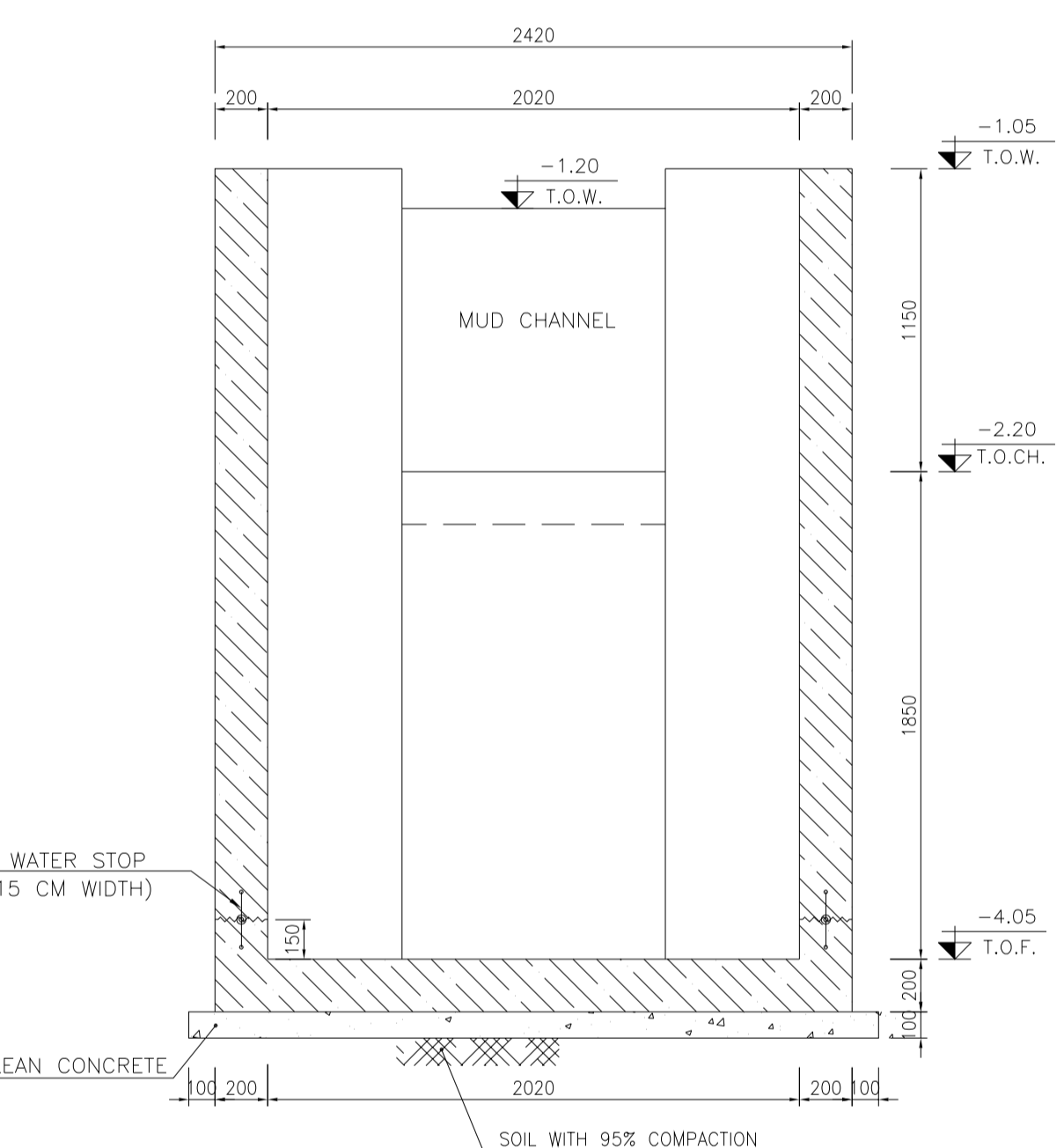
1:25 (8) WALL W2 REINFORCEMENT



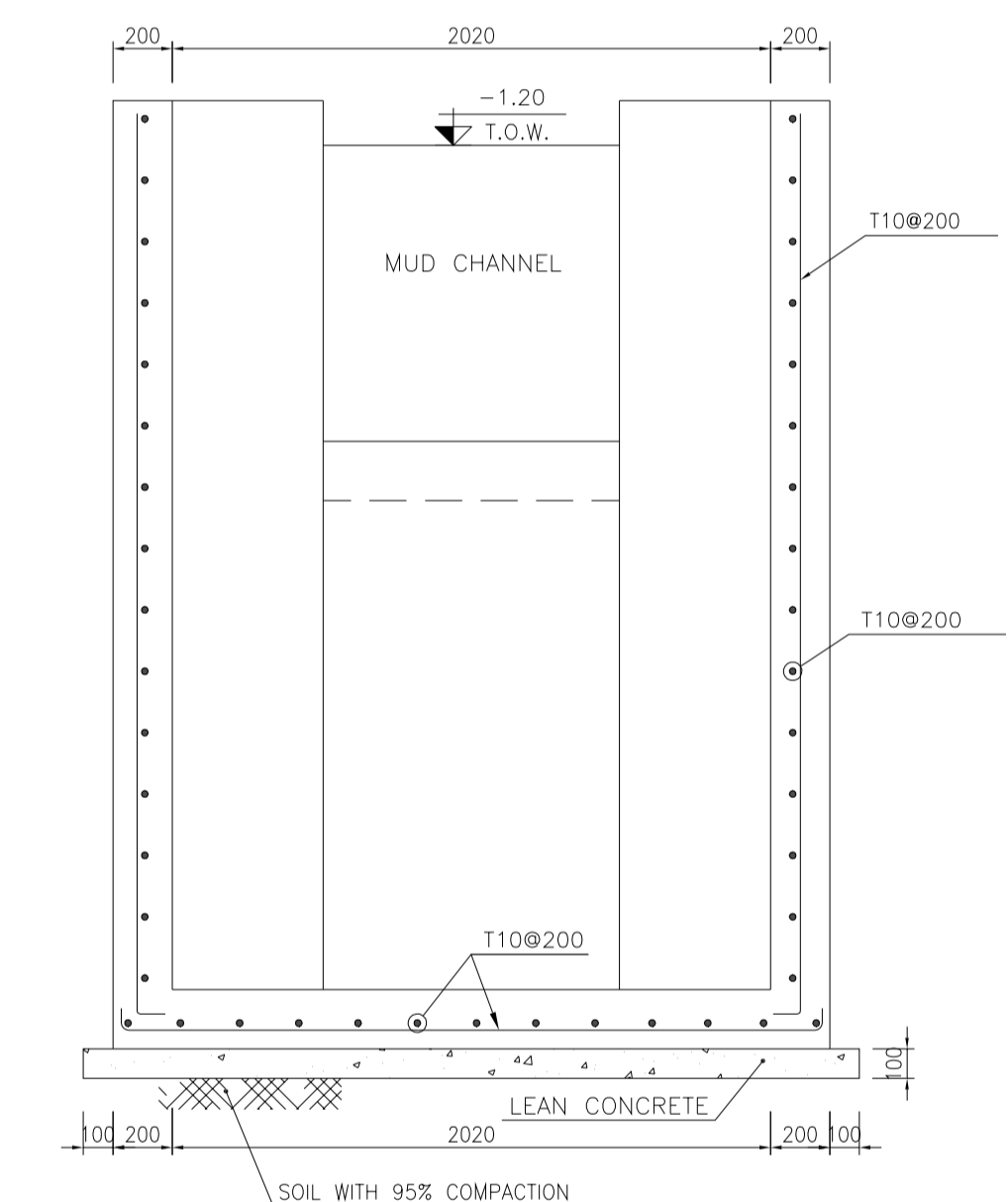
1:25 (9) WALL W4 REINFORCEMENT



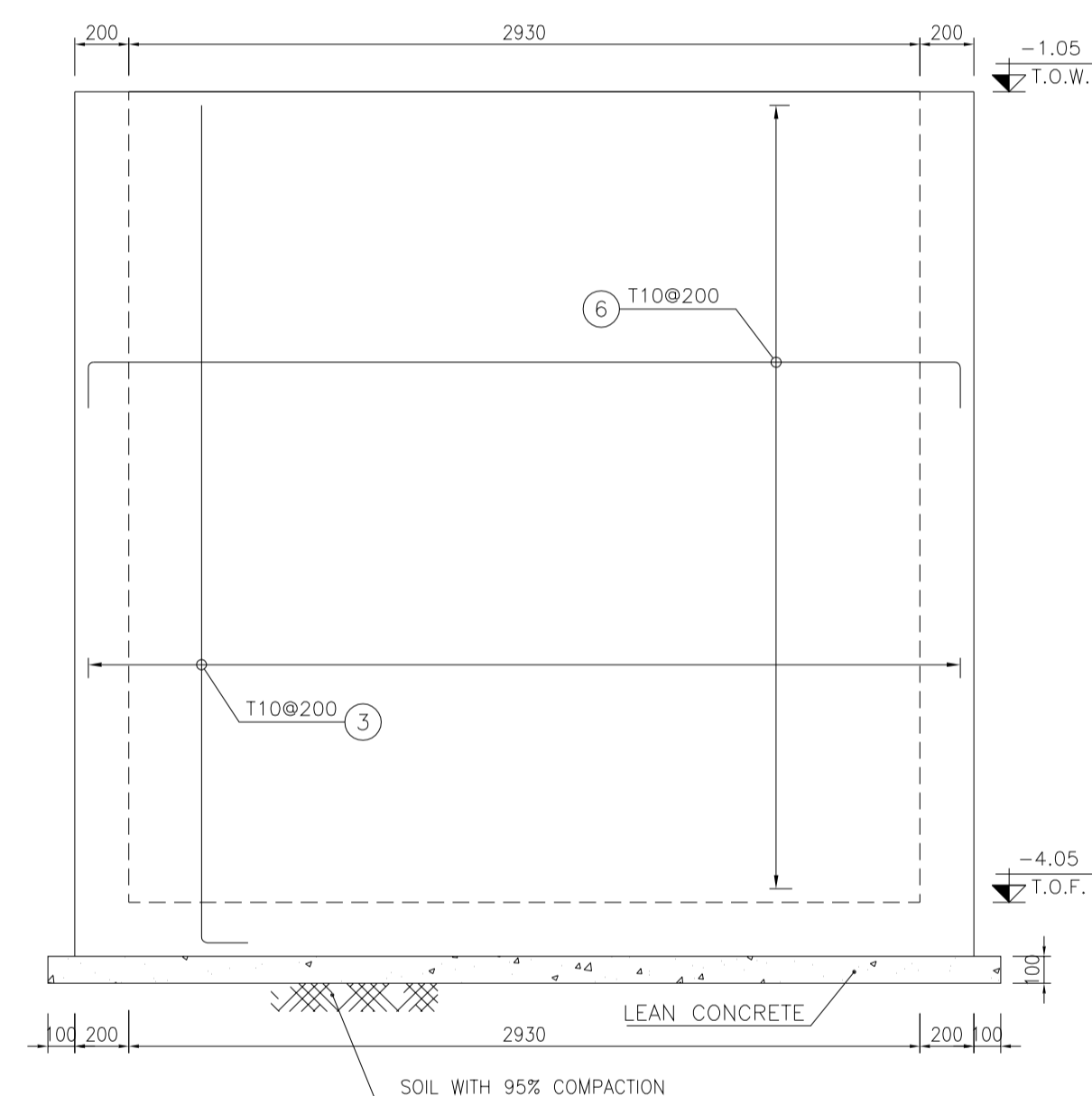
1:25 (3) FORMWORK



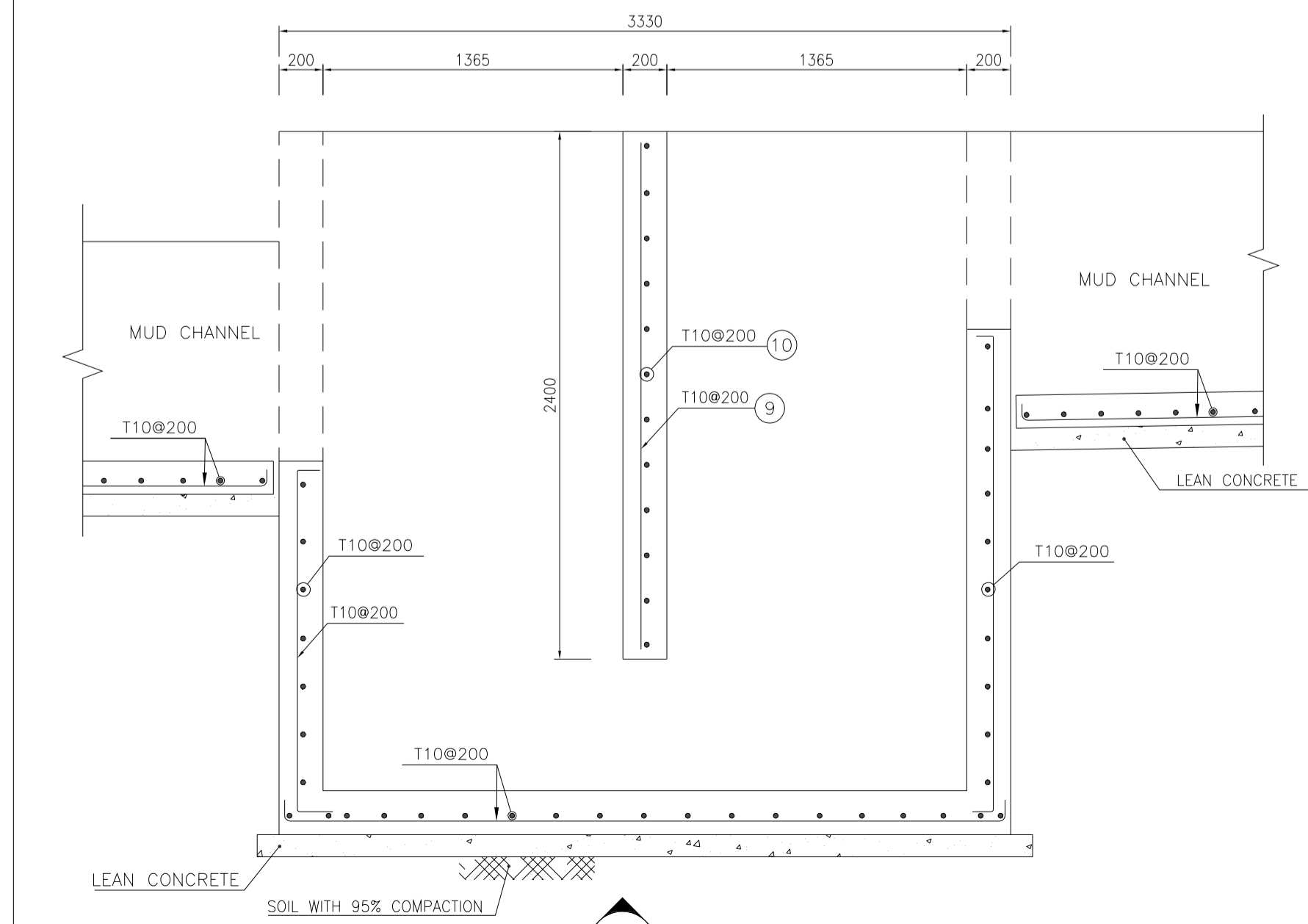
1:25 (4) FORMWORK



1:25 (5) REINFORCEMENT



1:25 (7) WALL W1 & W3 REINFORCEMENT



1:25 (6) REINFORCEMENT

TABLE 1
(CORNERS COORDINATES)

POINT 1		
POINT 2		

Pos	Spec.	Shape	L/A	No.	T10
1	T10	150x3400x150	3.700	14	51.800
2	T10	150x2470x150	2.770	19	52.630
3	T10	150x3100x150	3.250	111	360.750
4	T10	150x2320x150	2.620	39	102.180
5	T10	150x610x150	0.910	48	43.680
6	T10	150x3230x150	3.530	72	254.160
7	T10	150x2550x150	2.700	12	32.400
8	T10	150x1600x150	1.750	12	21.000
9	T10	150x2400x150	2.400	11	26.400
10	T10	150x2050x150	2.050	13	26.650

TOTAL LENGTH OR AREA (m/m ²)	971.65
UNIT WEIGHT (Kg)	0.617
WEIGHT (Kg)	599.51
GRAND TOTAL (Kg)	600 Kg.

** SHOULD BE USED THE EMULSION ON CONCRETE EXPOSED WITH SOIL.
B-90-COAT.M.E IS A BITUMEN-BASED ONE-COMPONENT EMULSION PROTECTIVE COATING TO PREVENT THE PENETRATION OF DESTRUCTIVE SALTS & IONS.
THIS MATERIAL IS CONTROLLED ACCORDING TO THE FOLLOWING STANDARDS:
ASTM D1227, ASTM D2939, ASTM D1640

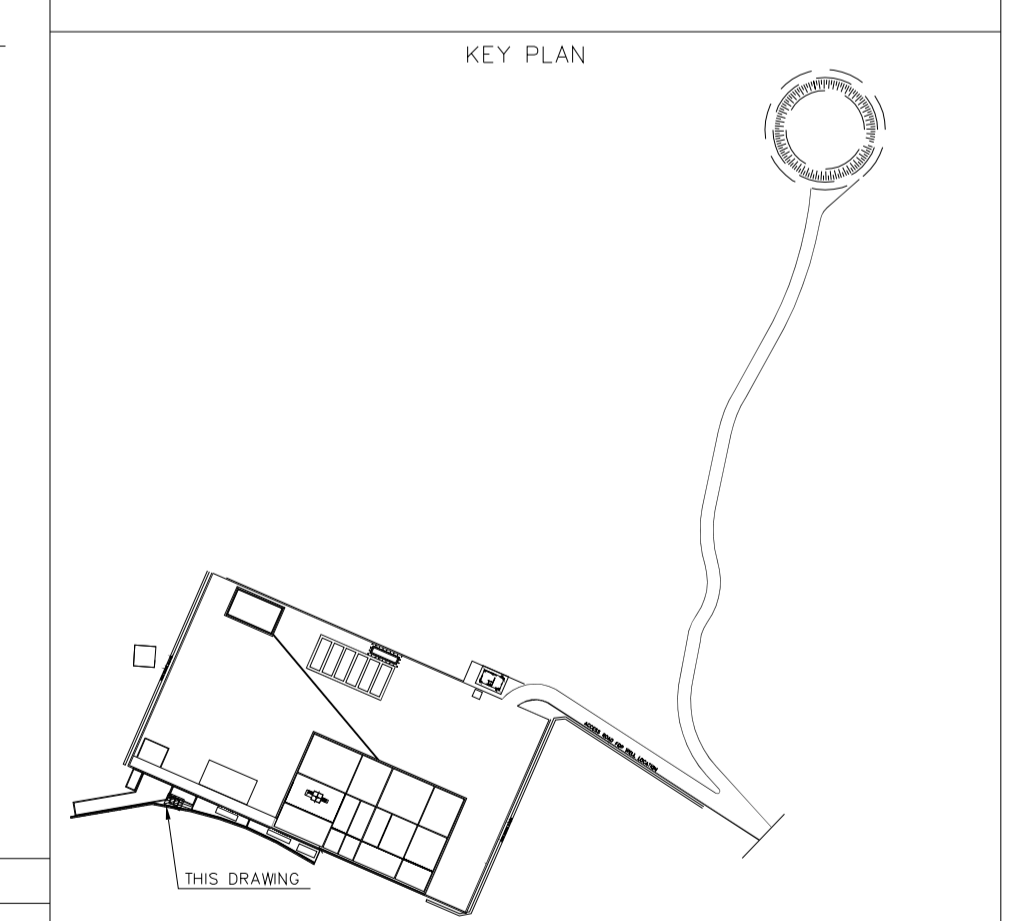
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME:	BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS																						
PROJECT NO.:	971020																						
EPC CONTRACTOR:	HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES		EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY																				
DRAWING TITLE:	CIVIL AND STRUCTURAL DRAWINGS-BK14 OIL TRAP PIT FORMWORK & REINFORCEMENT PLAN-SECTIONS																						
SCALE:	AS SHOWN	SIZE:	A1	DRAWING NO.:	BK-BK14-PEDCO-110-CV-DW-0001	SHEET NO.:	17 OF 98	REV.:	D04	BUDGET REF.:	053-073-9184	LOCATION:	F	SIZE:	4	CLASS:	S	SERIAL NO.:	708209	SHEET:	17	REVISION:	D04

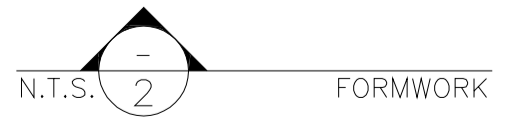
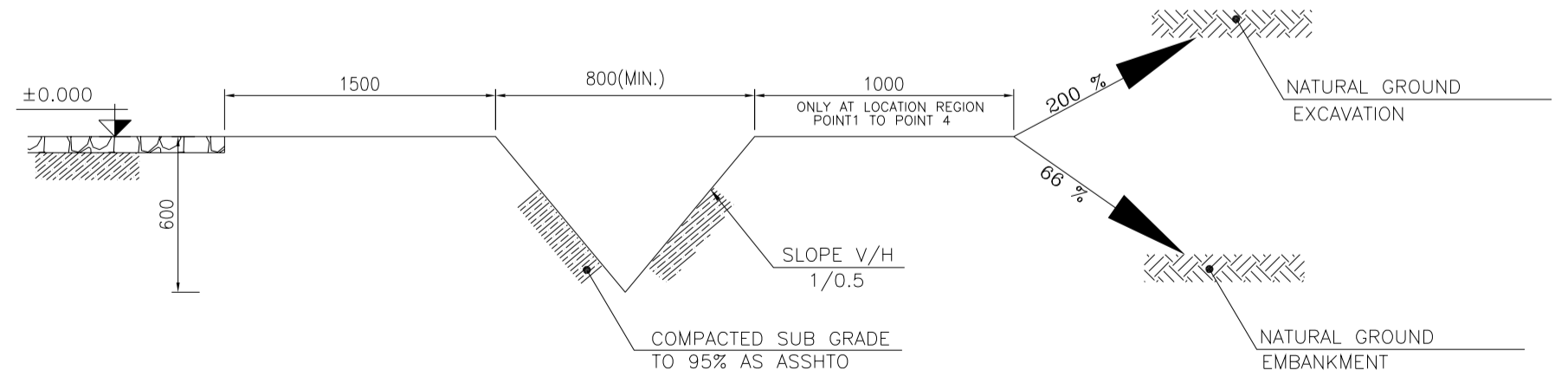
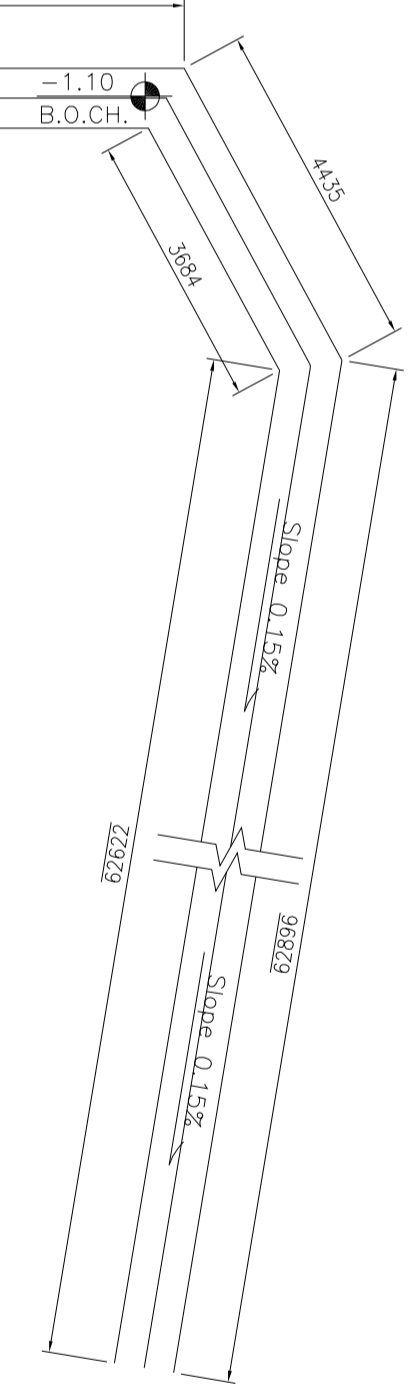
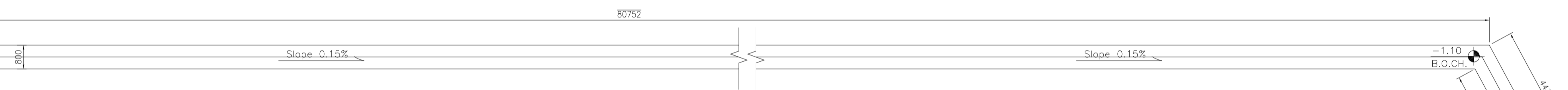
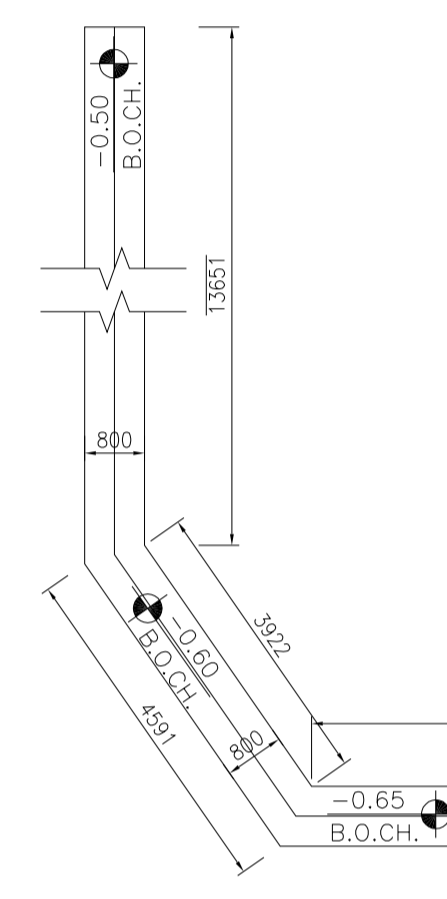
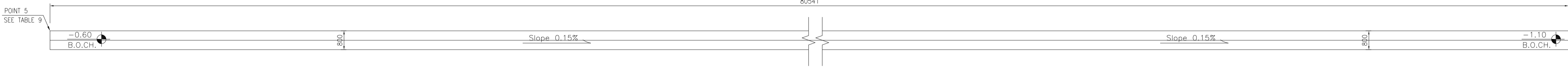
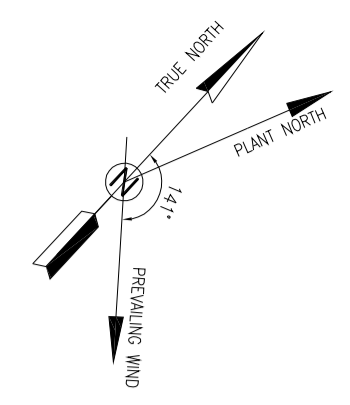
- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - GEODIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

- LEGEND AND ABBREVIATION
- | | | | |
|--|---------------------|--|------------------------|
| | REINFORCED CONCRETE | | SUB GRADE |
| | LEAN CONCRETE | | SLOPE |
| | CONCRETE BLOCK WALL | | EXISTING CONCRETE AREA |
| | GRAVEL | | |
- T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD
B.O.C. BOTTOM OF CONCRETE

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



REV.	DESCRIPTION	BY	DATE	REV.	DATE
***	*****	***	*****	***	*****
		CHECKED		REV. APPR.	
<p>اسم و کلمه نسخ این نقشه به حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.</p> <p>THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS</p>					
<p>BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS</p>					
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED					
APPROVED FOR CONSTRUCTION			BY:	DATE:	



NOTES

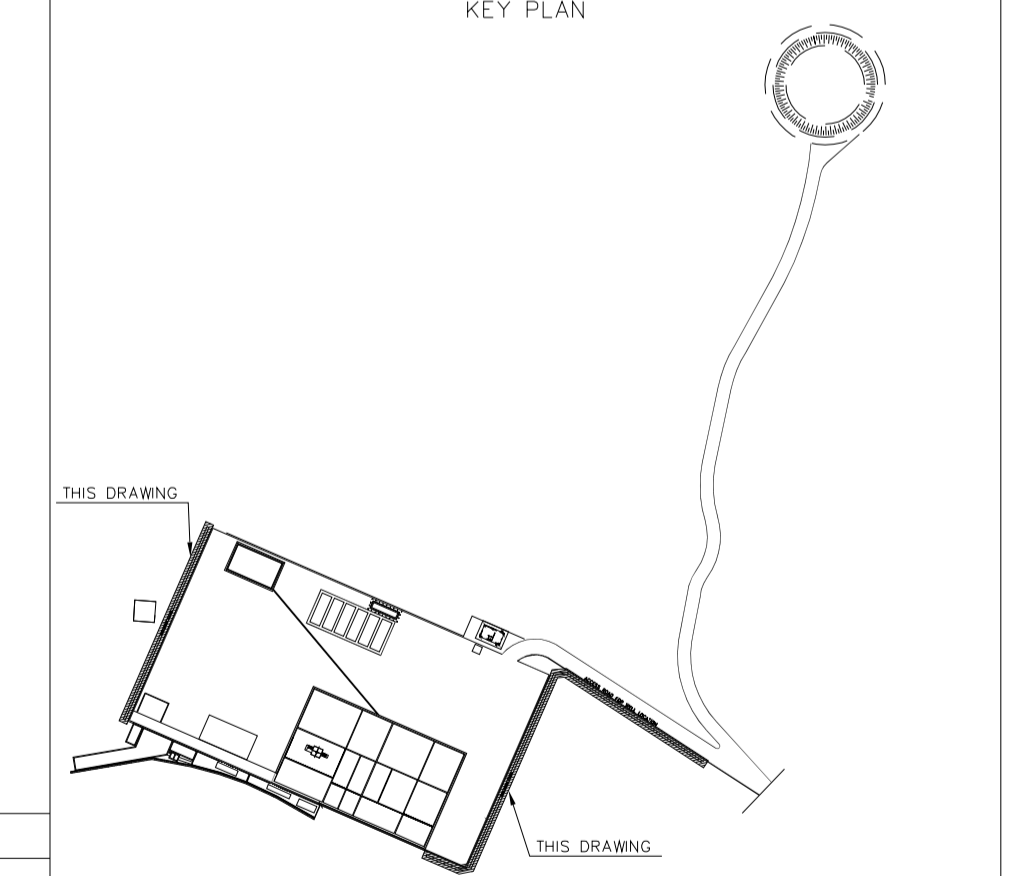
- 1- ALL COORDINATES ARE IN METER.
- 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
- 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
- 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
- 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
- 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
- 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
- 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
- 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
- 11- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
T.O.F.	TOP OF FOUNDATION		
T.O.W.	TOP OF WALL		
T.O.C.	TOP OF CONCRETE		
T.O.PIT	TOP OF PIT		
B.O.P.	BOTTOM OF PIPE		
R.G.L.	ROUGH GRADING LEVEL		
T.O.R	TOP OF ROAD		
B.O.C	BOTTOM OF CONCRETE		

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWICHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWICHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

KEY PLAN



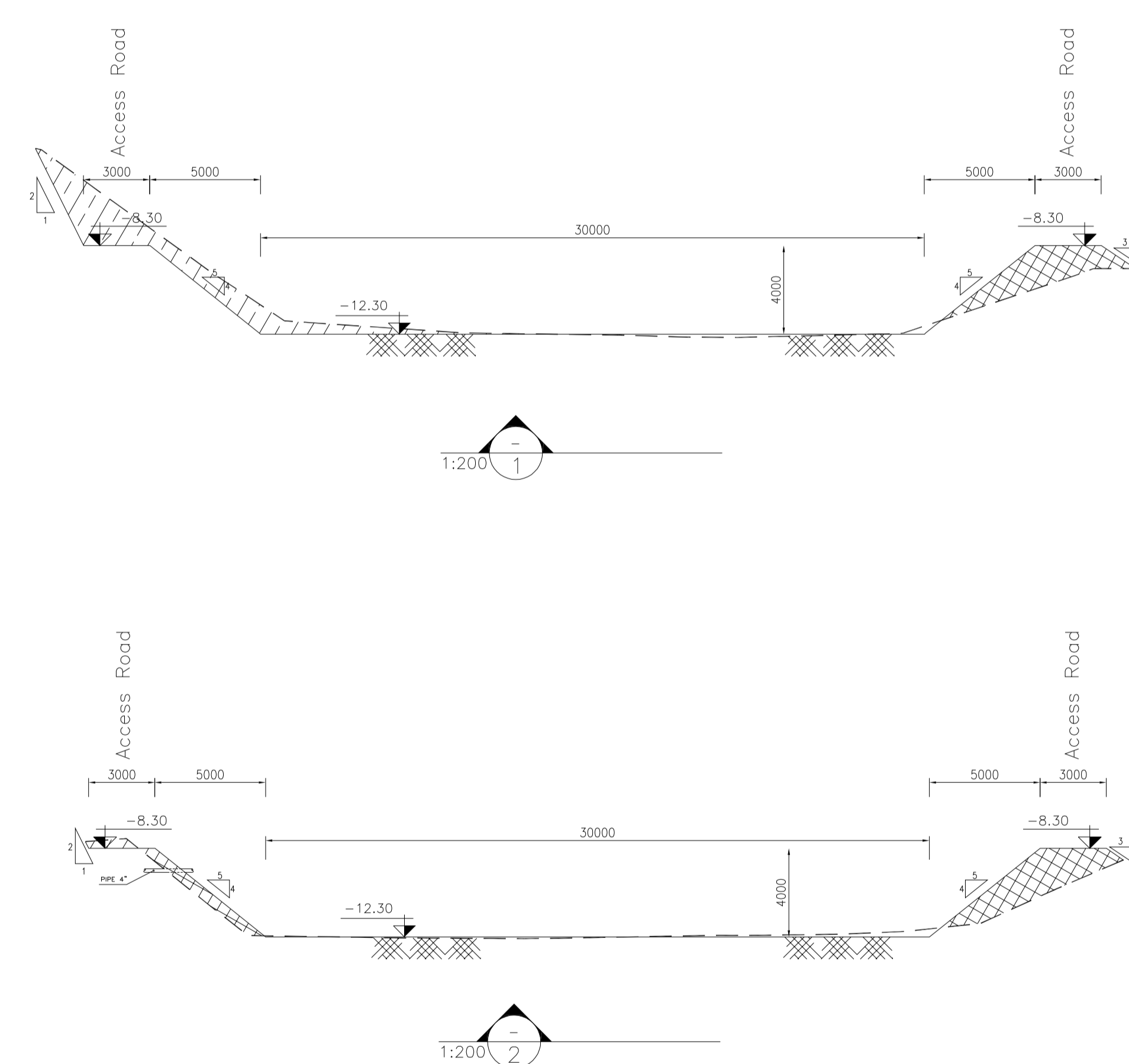
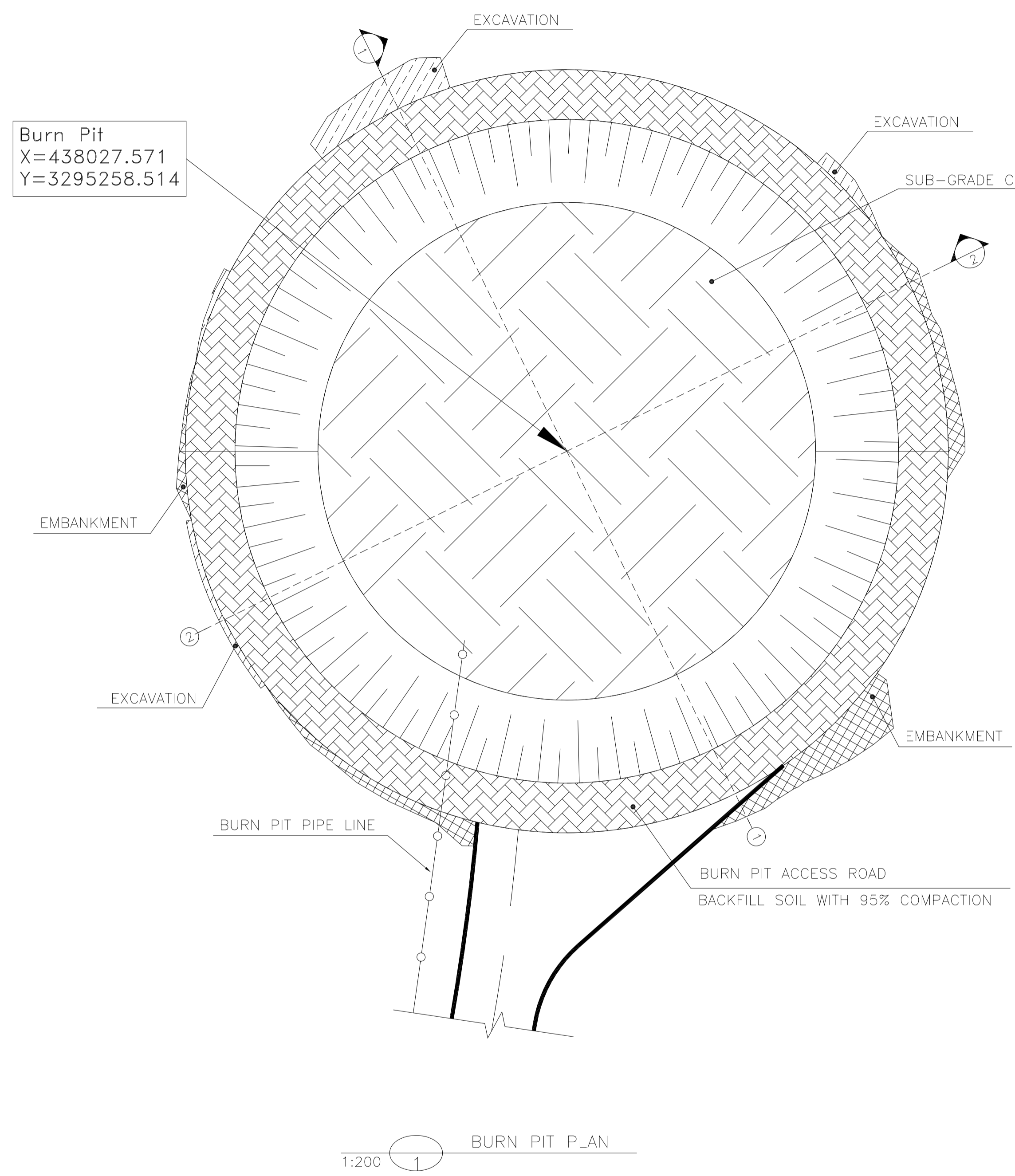
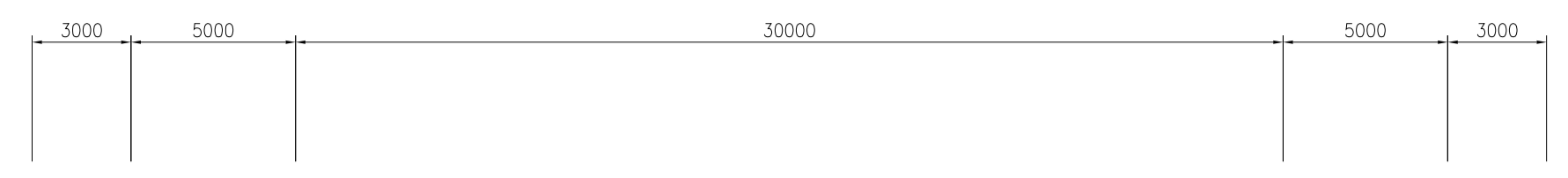
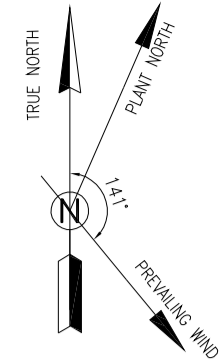
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

این رسم و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

PROJECT NAME:	BINAK OILFIELD DEVELOPMENT /SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS	
PROJECT NO.:	971020	
EPC CONTRACTOR:		EPD/EPC CONTRACTOR(GC):
DRAWING TITLE:	CIVIL AND STRUCTURAL DRAWINGS-BK14 WATER CHANNEL FORMWORK PLAN-SECTION	
SCALE	SIZE	DRAWING NO.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001
SHEET NO.	REV.	BUDGET REF.
18 OF 98	D04	053-073-9184
LOCATION	SIZE	CLASS
F	4	S
SERIAL NO.	SHEET	REVISION
708209	18	D04

BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS				
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED				
APPROVED FOR CONSTRUCTION	BY:	DATE:		



- NOTES**
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

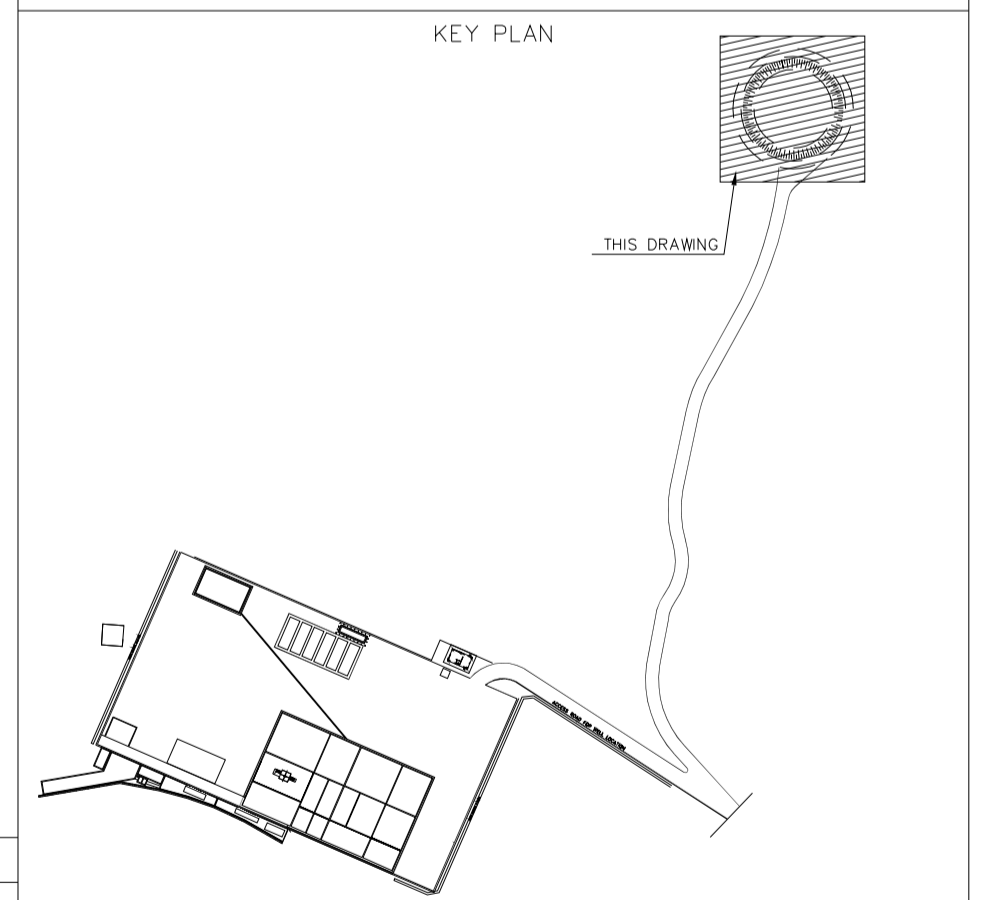
LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.P. TOP OF PIPE
B.O.P. BOTTOM OF PIPE
R.O.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD
B.O.C. BOTTOM OF CONCRETE

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



Cut/Fill Summary

Name	Cut Factor	Fill Factor	Cut	Fill
ROUGH GRADING (BURNPIT-BK14)	1.000	1.000	585.64 Cu.M.	633.71 Cu.M.
			TOTAL=1219.35 Cu.M.	

Cut and Fill Volume Table for Burn Pit Area

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 BURN PIT PLAN-SECTIONS

SCALE: AS SHOWN A1

DRAWING NO. BK-BK14-PEDCO-110-CV-DW-0001

SHEET NO. 19 OF 98

REV. D04

BUDGET REF. 053-073-9184

LOCATION F

SIZE 4

CLASS S

SERIAL NO. 708209

SHEET 19

REVISION D04

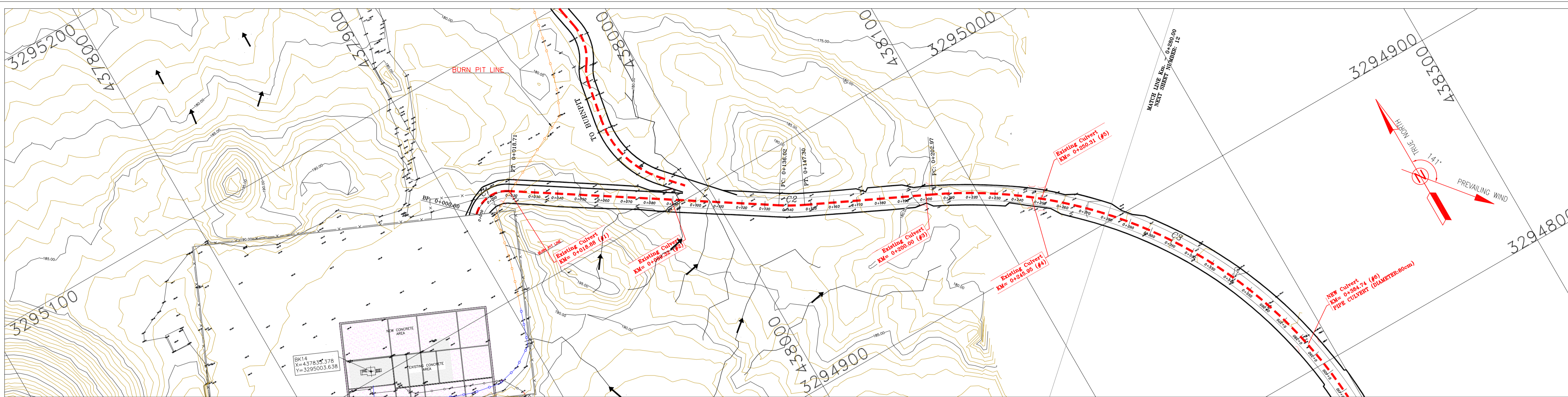
APPROVED FOR CONSTRUCTION

BY: _____ DATE: _____

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

D04



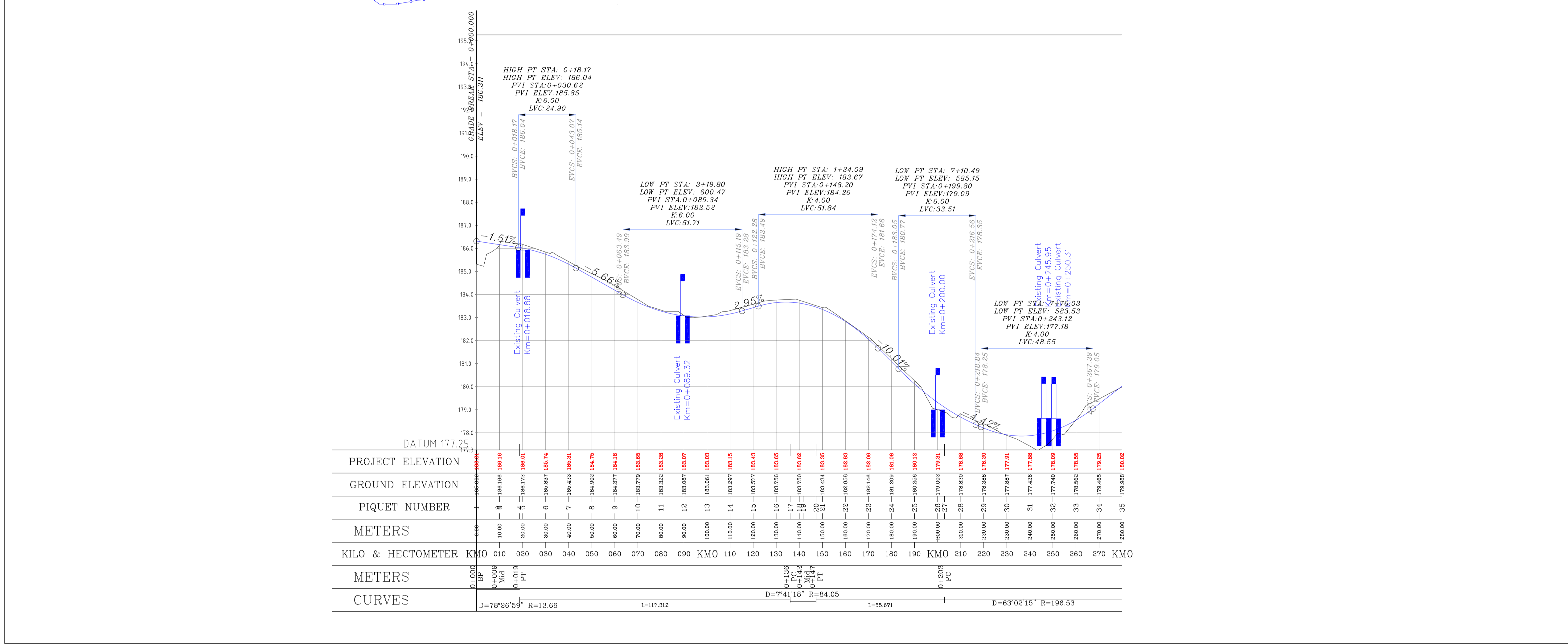
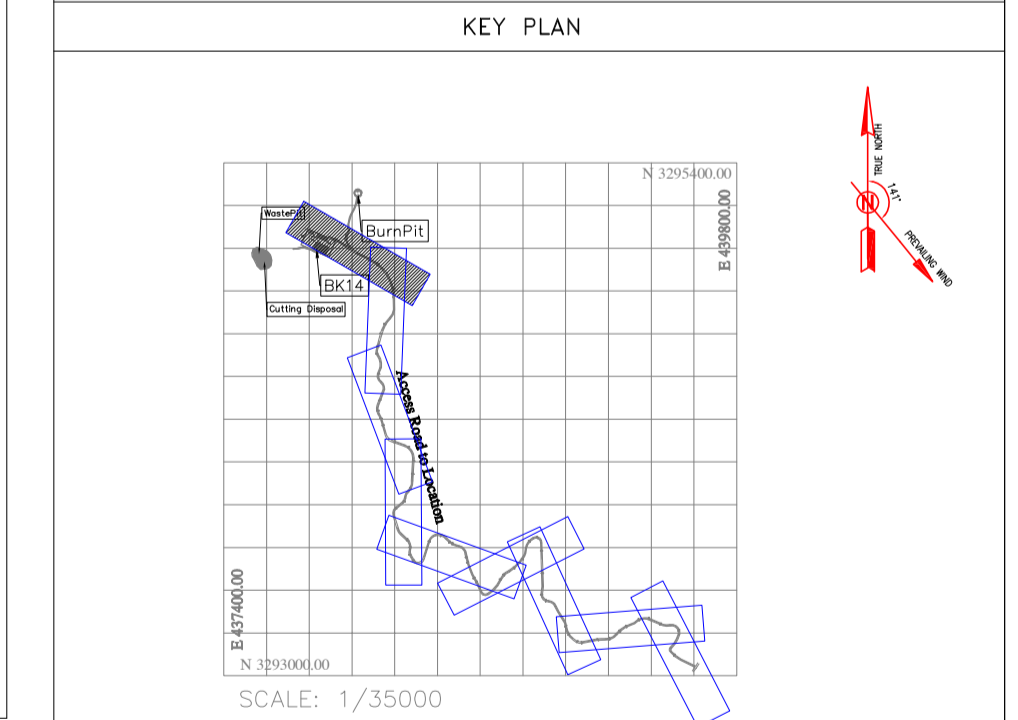
- NOTES**
- 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - 2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 3-GEODEIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODEIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - 4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004"
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - 5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
 - 6-RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
 - 7-PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGRL-PEDCO-110-PI-DW-0001
 - 8-THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

- LEGEND**
- WELL LOCATION
 - WELL
 - SITE
 - CAMP SITE
 - ASPHALT ROAD
 - GRAVEL ROAD
 - PROPOSED ROAD
 - DAYLIGHT
 - RETAINING WALL
 - ROAD WIDENING AREA
 - CANAL
 - RIVER
 - WATER COURSE
 - CONTOURS
 - SPOT HEIGHT
 - BENCH MARK
 - BRIDGE
 - CULVERT
 - OIL LINE
 - BURN PIT LINE
 - NEW BURN PIT LINE

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Pavement	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

- ABBREVIATION**
- PT= POINT
 - LV= LENGTH OF VERTICAL CURVE
 - LVC= LENGTH OF VERTICAL CURVE
 - BVCS= BEGIN OF VERTICAL CURVE STATION
 - BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 - EVCS= END OF VERTICAL CURVE STATION
 - EVCE= END OF VERTICAL CURVE ELEVATION



Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	13.66	18.71	N83° 47' 38.06"E	(437907.01, 3295039.68)	(437924.19, 3295041.55)
C2	84.05	11.28	S60° 49' 31.48"E	(438022.55, 3294977.62)	(438032.39, 3294972.13)
C3	196.53	216.22	S33° 09' 03.07"E	(438082.71, 3294948.31)	(438195.08, 3294776.27)

Station	Northing	Easting
0+000.00	3295039.68	437907.01
0+010.00	3295043.73	437915.91
0+020.00	3295040.84	437925.27
0+030.00	3295035.39	437933.65
0+040.00	3295029.94	437942.04
0+050.00	3295024.50	437950.42
0+060.00	3295019.05	437958.81
0+070.00	3295013.60	437967.19
0+080.00	3295008.15	437975.58
0+090.00	3295002.70	437983.96
0+100.00	3294997.25	437992.35
0+110.00	3294991.80	438000.73
0+120.00	3294986.35	438009.12
0+130.00	3294980.90	438017.50
0+140.00	3294975.45	438025.89
0+150.00	3294970.00	438034.27
0+160.00	3294964.55	438042.65
0+170.00	3294960.00	438051.04

Coordinate of Bench Marks (UTM-ZONE 39N)

NAME	Easting(m)	Northing(m)	Elevation(m)
GPS2	437770.8593	3295060.1065	171.4186
GPS3	437770.7943	3295060.0960	171.4184

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: **HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES**

EPD/EPC CONTRACTOR (GC): **PETROIRAN DEVELOPMENT COMPANY**

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 ACCESS ROAD PLAN AND PROFILE

SCALE: 1/1000 | SIZE: A1 | DRAWING NO.: BK-BK14-PEDCO-110-CV-DW-0001 | SHEET NO.: 20 OF 98 | REV.: D04

اسلو و کليه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

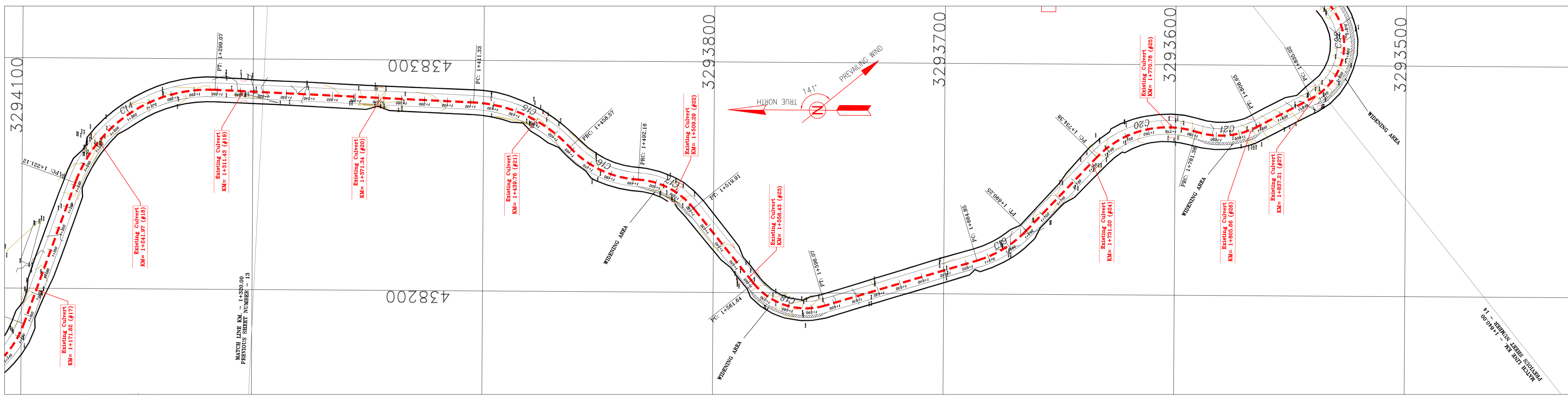
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

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
053-073-9184	F	4	S	708209	20	D04



- NOTES**
- 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - 2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL
 - 4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004"
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - 5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
 - 6-RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
 - 7-PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGR-L-PEDCO-110-PI-DW-0001
 - 8-THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

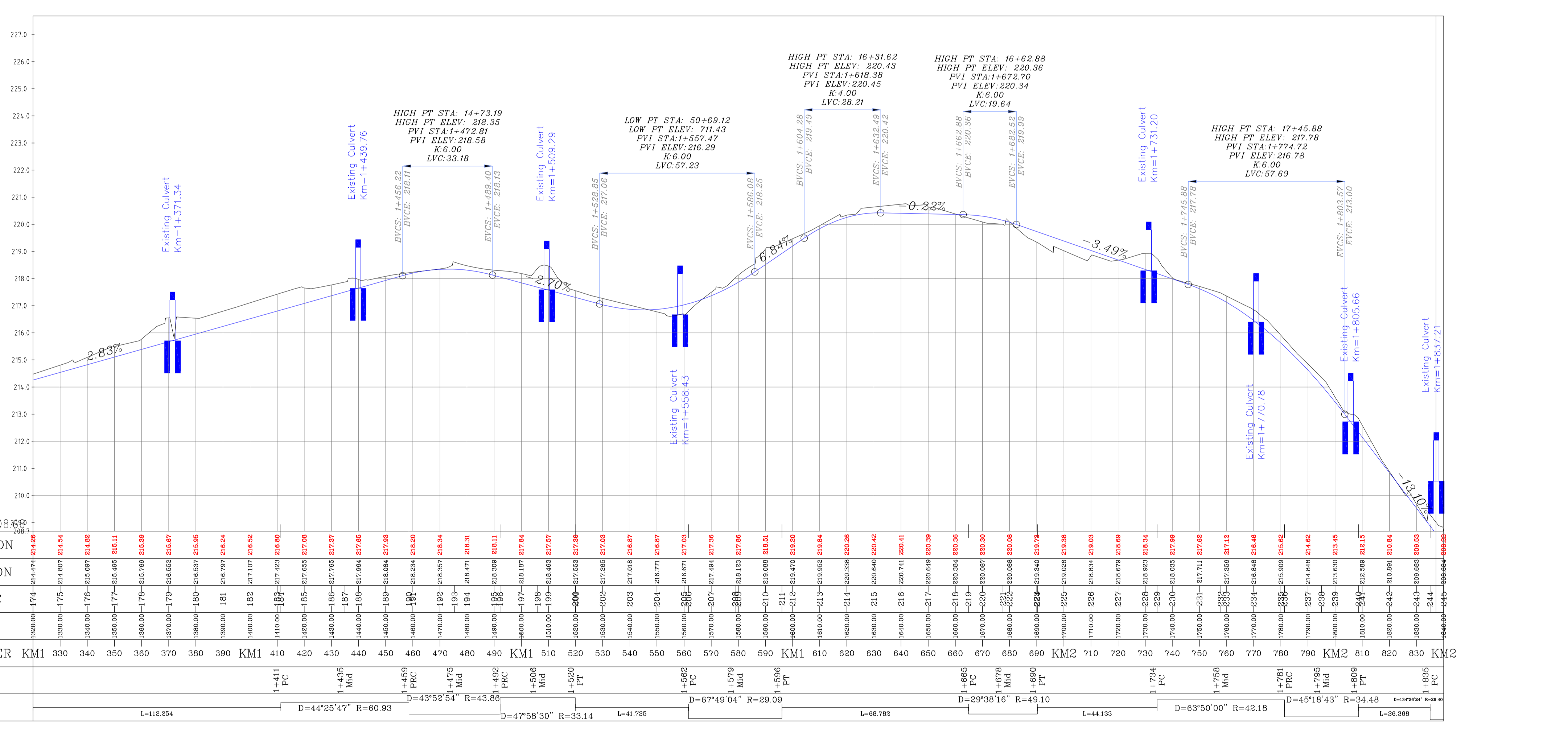
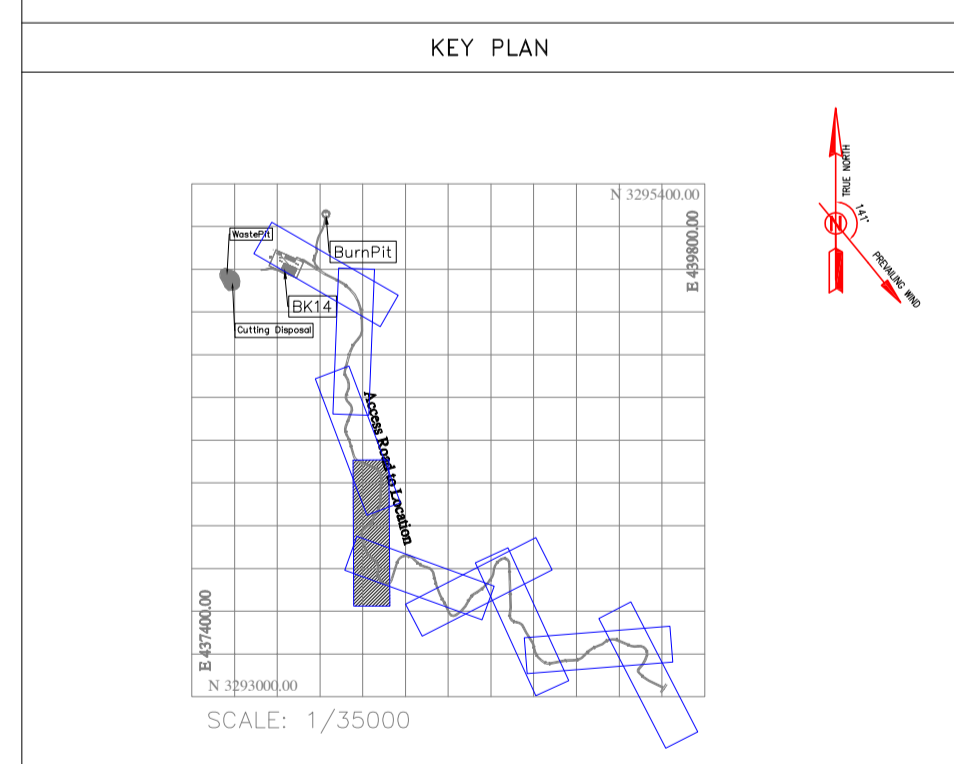
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		OIL LINE
	ROAD WIDENING AREA		BURN PIT LINE
	NEW BURN PIT LINE		

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= LENGTH OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS	KILO & HECTOMETER KM1	METERS	CURVES
3294100	3294100	330	330	330	330	L=112.254
3294000	3294000	340	340	340	340	D=44'25'47" R=60.93
3293900	3293900	350	350	350	350	D=43'52'54" R=43.86
3293800	3293800	360	360	360	360	D=47'58'30" R=33.14
3293700	3293700	370	370	370	370	L=41.725
3293600	3293600	380	380	380	380	D=67'49'04" R=29.09
3293500	3293500	390	390	390	390	L=68.782
3293400	3293400	400	400	400	400	D=29'38'16" R=49.10
3293300	3293300	410	410	410	410	L=44.133
3293200	3293200	420	420	420	420	D=63'50'00" R=42.18
3293100	3293100	430	430	430	430	D=45'18'43" R=34.48
3293000	3293000	440	440	440	440	D=13'07'24" R=38.40
3292900	3292900	450	450	450	450	L=28.368

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C14	61.37	77.95	S33° 56' 47.38"E	(438245.87,3294076.91)	(438286.54,3294016.50)
C15	60.93	47.24	S24° 39' 25.78"W	(438281.75,3293904.35)	(438262.53,3293862.48)
C16	43.86	33.59	S24° 55' 51.90"W	(438262.53,3293862.48)	(438248.71,3293832.76)
C17	33.14	27.75	S26° 58' 40.05"W	(438248.71,3293832.76)	(438236.49,3293808.75)
C18	29.09	34.43	S17° 03' 23.37"W	(438204.08,3293782.47)	(438194.56,3293751.44)
C19	49.10	25.40	S31° 40' 16.49"E	(438214.50,3293685.61)	(438227.69,3293664.24)
C20	42.18	47.00	S14° 34' 24.38"E	(438259.70,3293633.85)	(438270.92,3293590.68)
C21	34.48	27.27	S5° 18' 46.00"E	(438270.92,3293590.68)	(438273.38,3293564.23)
C22	26.40	61.94	N84° 48' 40.27"E	(438285.75,3293540.94)	(438334.23,3293545.35)

Station	Northing	Easting
1+320.00	3293995.60	438285.64
1+330.00	3293985.61	438285.22
1+340.00	3293975.61	438284.79
1+350.00	3293965.62	438284.36
1+360.00	3293955.63	438283.94
1+370.00	3293945.64	438283.51
1+380.00	3293935.65	438283.09
1+390.00	3293925.66	438282.66
1+400.00	3293915.67	438282.23
1+410.00	3293905.68	438281.81
1+420.00	3293895.74	438280.77
1+430.00	3293885.74	438278.13
1+440.00	3293875.76	438274.96
1+450.00	3293865.76	438271.76
1+460.00	3293855.68	438268.58
1+470.00	3293845.66	438265.30
1+480.00	3293835.42	438262.04
1+490.00	3293825.06	438258.88
1+500.00	3293815.00	438255.76

Coordinate of Bench Marks (UTM-ZONE 39N)

NAME	Easting(m)	Northing(m)	Elevation(m)
GPS2	437770.8593	3295060.1065	171.4186
GPS3	437770.7943	3295060.0960	171.4184

REV.	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

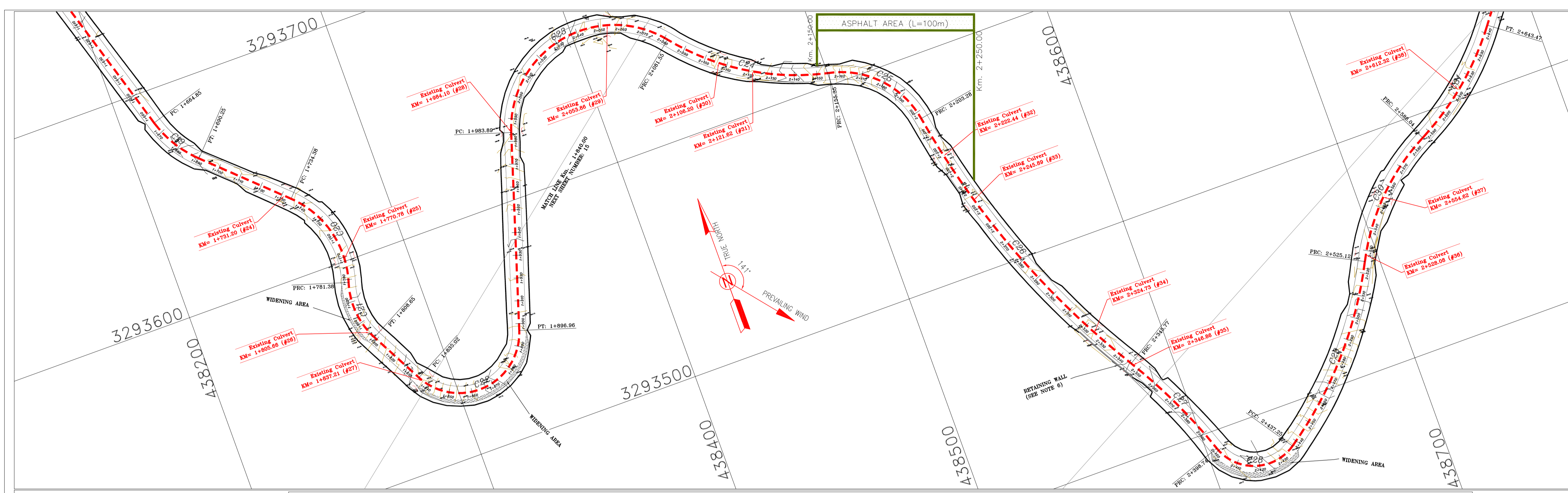
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 ACCESS ROAD PLAN AND PROFILE

SCALE: 1/1000 SIZE: A1 DRAWING NO.: BK-BK14-PEDCO-110-CV-DW-0001 SHEET NO.: 23 OF 98 REV.: D04

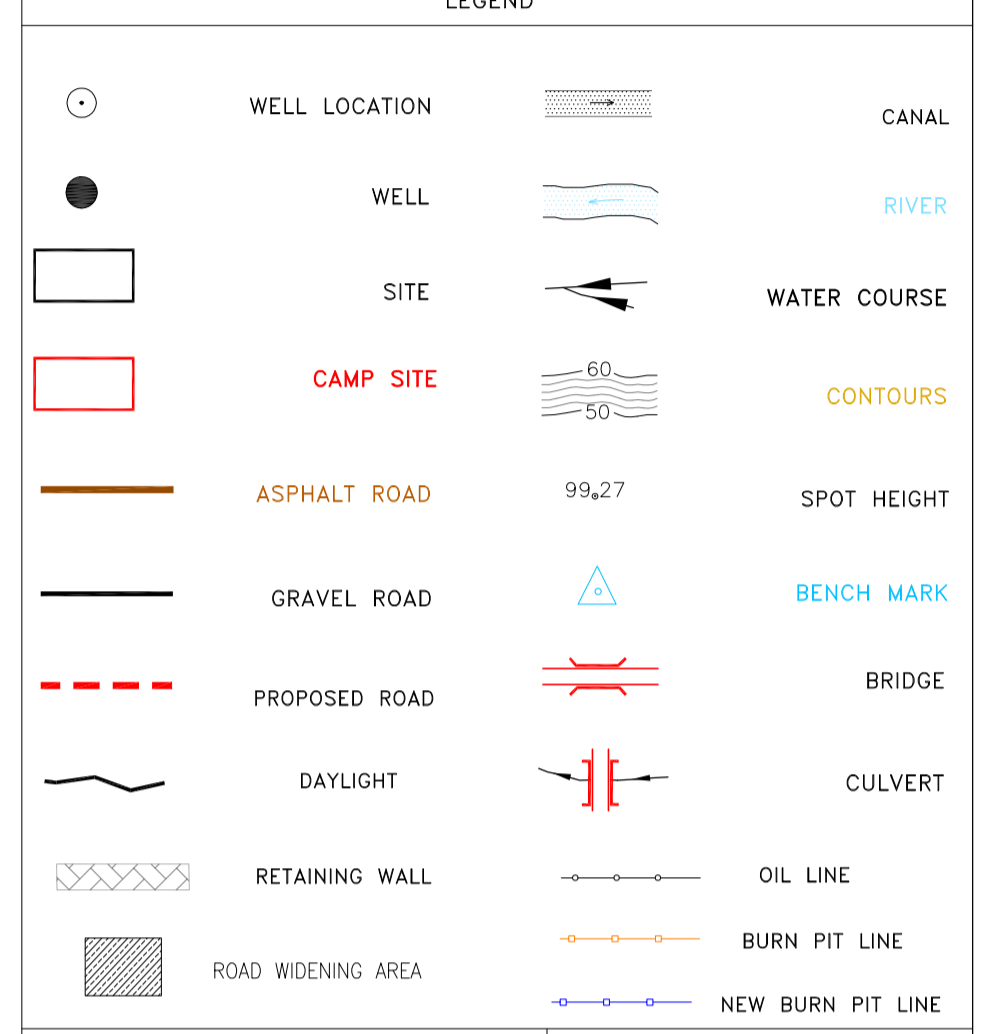
BUDGET REF.: 053-073-9184 LOCATION: F SIZE: 4 CLASS: S SERIAL NO.: 708209 SHEET: 23 REVISION: D04

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

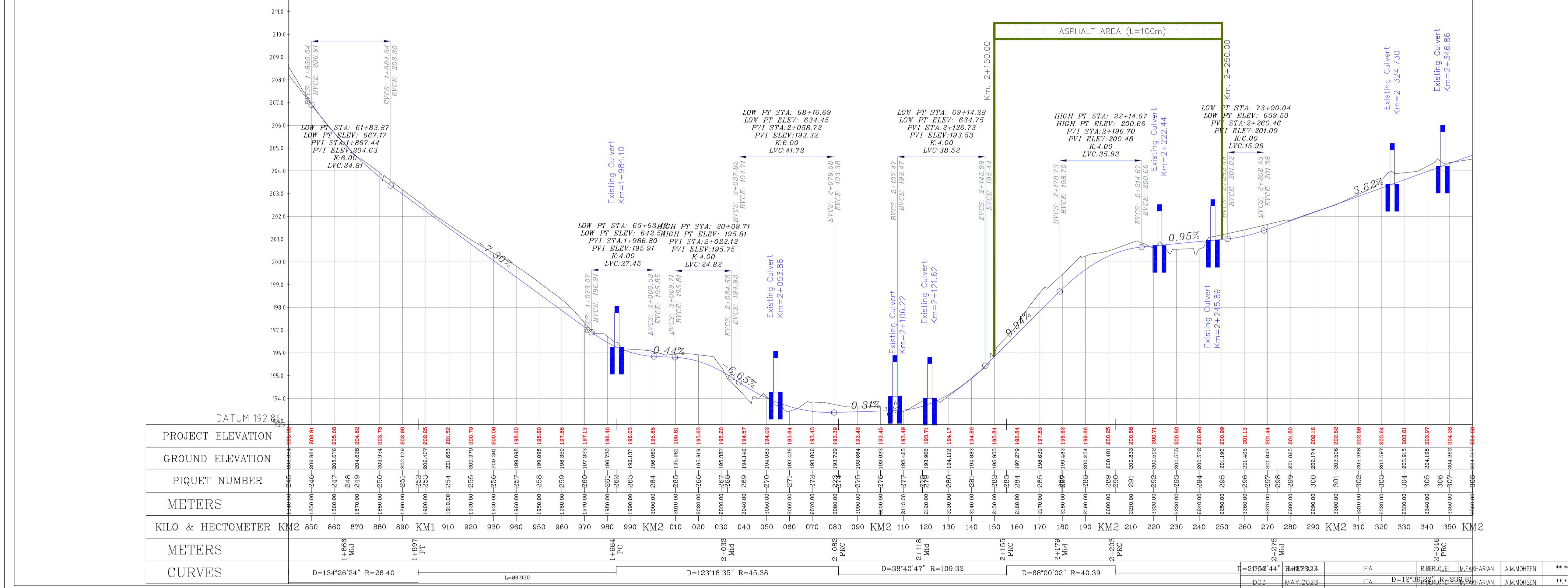
APPROVED FOR CONSTRUCTION BY: DATE:



- #### NOTES
- 1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - 2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 3- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - 4- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - 5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MAN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
 - 6- RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
 - 7- PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGR-L-PEDCO-110-PI-DW-0001
 - 8- THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.



REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001



		DATUM 192.85	
PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS
1860.00	1860.00	850	850
1860.00	1860.00	860	860
1860.00	1860.00	870	870
1860.00	1860.00	880	880
1860.00	1860.00	890	890
1860.00	1860.00	900	900
1860.00	1860.00	910	910
1860.00	1860.00	920	920
1860.00	1860.00	930	930
1860.00	1860.00	940	940
1860.00	1860.00	950	950
1860.00	1860.00	960	960
1860.00	1860.00	970	970
1860.00	1860.00	980	980
1860.00	1860.00	990	990
1860.00	1860.00	1000	1000

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C19	49.10	25.40	S31° 40' 16.49"E	(438214.50, 3293685.61)	(438227.69, 3293664.24)
C20	42.18	47.00	S14° 34' 24.38"E	(438259.70, 3293633.85)	(438270.92, 3293590.68)
C21	34.48	27.27	S5° 18' 46.00"E	(438270.92, 3293590.68)	(438273.38, 3293564.23)
C22	26.40	61.94	N84° 48' 40.27"E	(438285.75, 3293540.94)	(438334.23, 3293545.35)
C23	45.38	97.66	N79° 14' 45.54"E	(438360.50, 3293628.21)	(438438.97, 3293643.12)
C24	109.32	73.80	S58° 26' 20.63"E	(438438.97, 3293643.12)	(438500.67, 3293605.22)
C25	40.39	47.93	S43° 46' 43.16"E	(438500.67, 3293605.22)	(438531.92, 3293572.60)
C26	373.14	142.49	S20° 43' 04.02"E	(438531.92, 3293572.60)	(438582.02, 3293440.14)
C27	239.81	52.97	S25° 19' 44.88"E	(438582.02, 3293440.14)	(438604.63, 3293392.36)
C28	20.92	38.51	S71° 44' 47.10"E	(438604.63, 3293392.36)	(438636.25, 3293381.93)
C29	178.14	87.87	N41° 22' 36.08"E	(438693.75, 3293381.93)	(438779.62, 3293447.20)
C30	98.32	60.92	N44° 59' 38.16"E	(438693.75, 3293447.20)	(438736.14, 3293489.60)
C31	126.95	57.43	N49° 46' 57.67"E	(438736.14, 3293489.60)	(438779.62, 3293526.37)

Station	Northing	Easting
1+840.00	3293536.79	438288.48
1+850.00	3293530.35	438296.06
1+860.00	3293527.17	438305.48
1+870.00	3293522.70	438315.40
1+880.00	3293518.86	438324.43
1+890.00	3293519.06	438331.28
1+900.00	3293515.24	438335.15
1+910.00	3293515.78	438338.17
1+920.00	3293517.31	438341.19
1+930.00	3293517.84	438344.21
1+940.00	3293518.37	438347.23
1+950.00	3293518.90	438350.25
1+960.00	3293519.43	438353.27
1+970.00	3293519.96	438356.29
1+980.00	3293520.49	438359.31
1+990.00	3293521.02	438362.33
2+000.00	3293521.55	438365.35
2+010.00	3293522.08	438368.37
2+020.00	3293522.61	438371.39

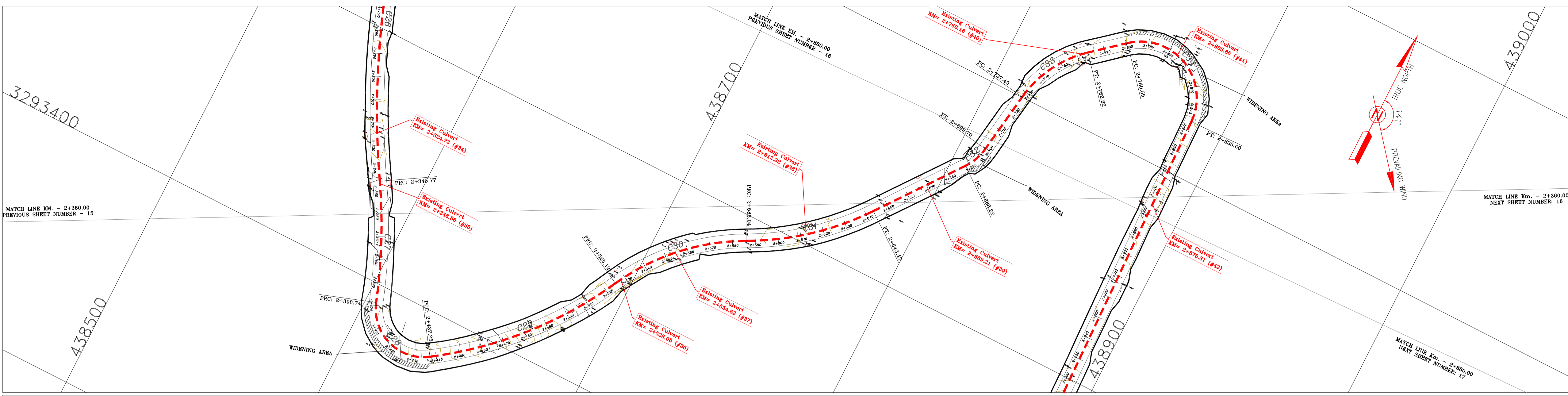
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
DO3	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
DD2	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
DO1	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
DDO	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

NAME	Easting(m)	Northing(m)	Elevation(m)
GPS2	437770.8593	3295060.1065	171.4186
GPS3	437770.7943	3295060.0960	171.4184

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
 PROJECT NO.: 971020
 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
 EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY
 THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS
 BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 ACCESS ROAD PLAN AND PROFILE
 SCALE: 1/1000 SIZE: A1 DRAWING NO.: BK-BK14-PEDCO-110-CV-DW-0001 SHEET NO.: 24 OF 98 REV.: D04
 NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
 APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	24	D04



NOTES

- 1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- 2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 3- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL
- 4- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- 5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MAIN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
- 6- RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
- 7- PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGR-L-PEDCO-110-PI-DW-0001
- 8- THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

LEGEND

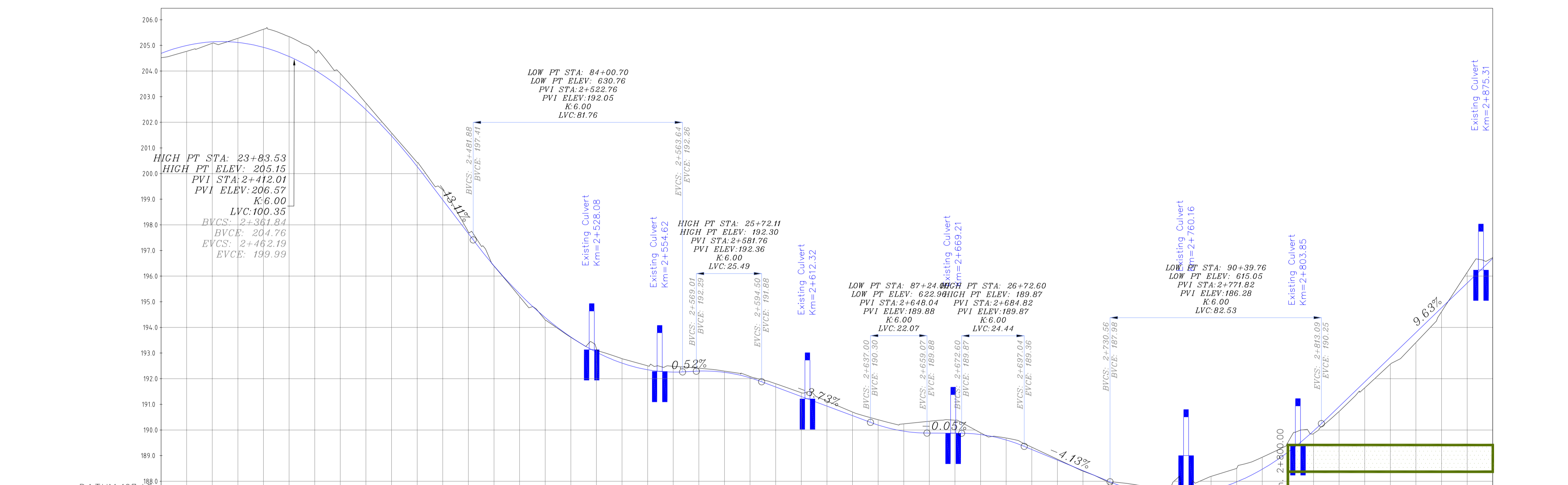
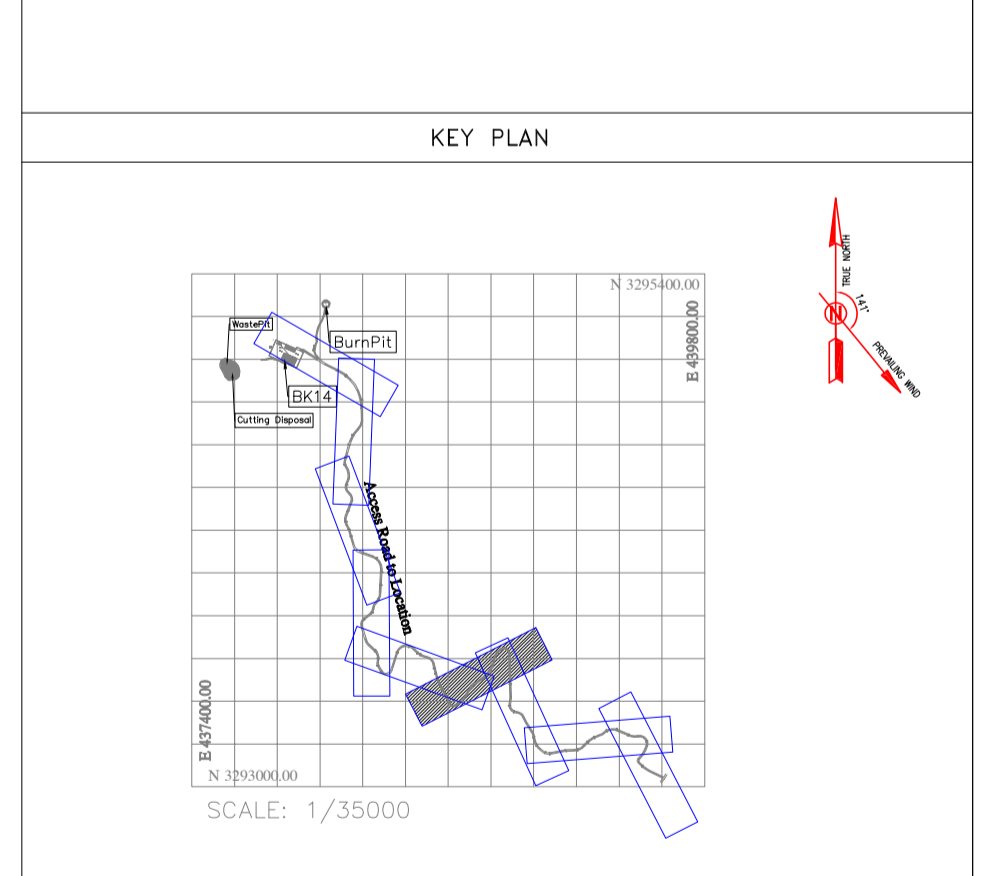
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		OIL LINE
	ROAD WIDENING AREA		BURN PIT LINE
	NEW BURN PIT LINE		

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout -BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS	KILO & HECTOMETER KM2	METERS	CURVES
204.99	204.99	370	204.99	370	204.99	D=12°39'22" R=239.81
205.00	205.00	380	205.00	380	205.00	D=105°29'26" R=20.92
205.01	205.01	390	205.01	390	205.01	D=28°15'47" R=178.14
205.02	205.02	400	205.02	400	205.02	D=35°29'51" R=98.32
205.03	205.03	410	205.03	410	205.03	D=25°55'12" R=126.95
205.04	205.04	420	205.04	420	205.04	L=44.753
205.05	205.05	430	205.05	430	205.05	D=28°29'16" R=23.07
205.06	205.06	440	205.06	440	205.06	L=27.797
205.07	205.07	450	205.07	450	205.07	D=4°11'06" R=49.23
205.08	205.08	460	205.08	460	205.08	L=17.724
205.09	205.09	470	205.09	470	205.09	D=128°44'01" R=24.50
205.10	205.10	480	205.10	480	205.10	L=209.385

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C26	373.14	142.49	S20° 43' 04.02"E	(438531.92,3293572.60)	(438582.02,3293440.14)
C27	239.81	52.97	S25° 19' 44.88"E	(438582.02,3293440.14)	(438604.63,3293392.36)
C28	20.92	38.51	S71° 44' 47.10"E	(438604.63,3293392.36)	(438636.25,3293381.93)
C29	178.14	87.87	N41° 22' 36.08"E	(438636.25,3293381.93)	(438693.75,3293447.20)
C30	98.32	60.92	N44° 59' 38.16"E	(438693.75,3293447.20)	(438736.14,3293489.60)
C31	126.95	57.43	N49° 46' 57.67"E	(438736.14,3293489.60)	(438779.62,3293526.37)
C32	23.07	11.47	N22° 34' 43.64"E	(438806.44,3293562.19)	(438810.80,3293572.67)
C33	49.23	35.37	N28° 55' 08.79"E	(438814.82,3293600.14)	(438831.56,3293630.44)
C34	24.50	55.05	S66° 07' 47.91"E	(438845.04,3293641.95)	(438885.44,3293624.07)

Station	Northing	Easting	Station	Northing	Easting
2+550.00	3293467.65	438707.80	2+750.00	3293620.94	438823.00
2+560.00	3293471.76	438714.83	2+760.00	3293628.54	438829.47
2+570.00	3293481.91	438721.54	2+770.00	3293635.10	438837.12
2+580.00	3293490.82	438729.85	2+780.00	3293641.59	438844.63
2+590.00	3293499.47	438739.62	2+790.00	3293646.56	438853.22
2+600.00	3293506.66	438748.17	2+800.00	3293647.72	438863.08
2+610.00	3293512.51	438756.28	2+810.00	3293648.87	438872.60
2+620.00	3293516.03	438763.99	2+820.00	3293649.48	438880.20
2+630.00	3293518.03	438770.99	2+830.00	3293649.59	438884.63
2+640.00	3293523.61	438777.50	2+840.00	3293649.67	438885.58
2+650.00	3293531.59	438783.53	2+850.00	3293649.67	438885.88
2+660.00	3293539.60	438789.53	2+860.00	3293649.58	438886.19
2+670.00	3293547.60	438795.52	2+870.00	3293649.35	438886.50
2+680.00	3293555.61	438801.51	2+880.00	3293648.98	438886.81
2+690.00	3293563.65	438807.45			
2+700.00	3293572.72	438813.29			
2+710.00	3293582.87	438818.29			
2+720.00	3293592.76	438823.74			
2+730.00	3293602.65	438828.26			
2+740.00	3293612.19	438831.20			

Coordinate of Bench Marks (UTM-ZONE 39N)

Name	Easting(m)	Northing(m)	Elevation(m)
GPS2	437770.8593	3295060.1065	171.4186
GPS3	437770.7943	3295060.0960	171.4184

REV.	DATE	P.O.I/S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.MEHRSHAD	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PEDCO

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE: SCALE: DRAWING BY: CHECKED BY: PROJECT ENG.

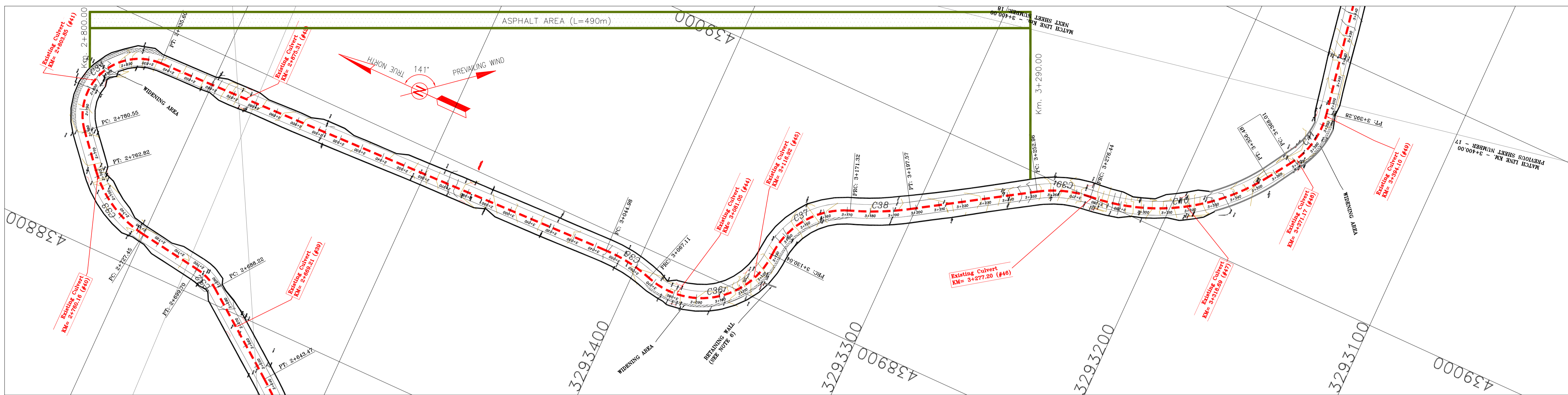
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 ACCESS ROAD PLAN AND PROFILE

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
1/1000	A1	BK-BK14-PEDCO-110-CV-DW-0001	25 OF 98	D04	053-073-9184	F	4	S	708209	25	D04

اسم و کلمه نسخ این نقشه و حق اقتباس متعلق به شرکت این مناطق نفت خیز جنوب میباشد.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION: [Signature] BY: [Signature] DATE: [Date]



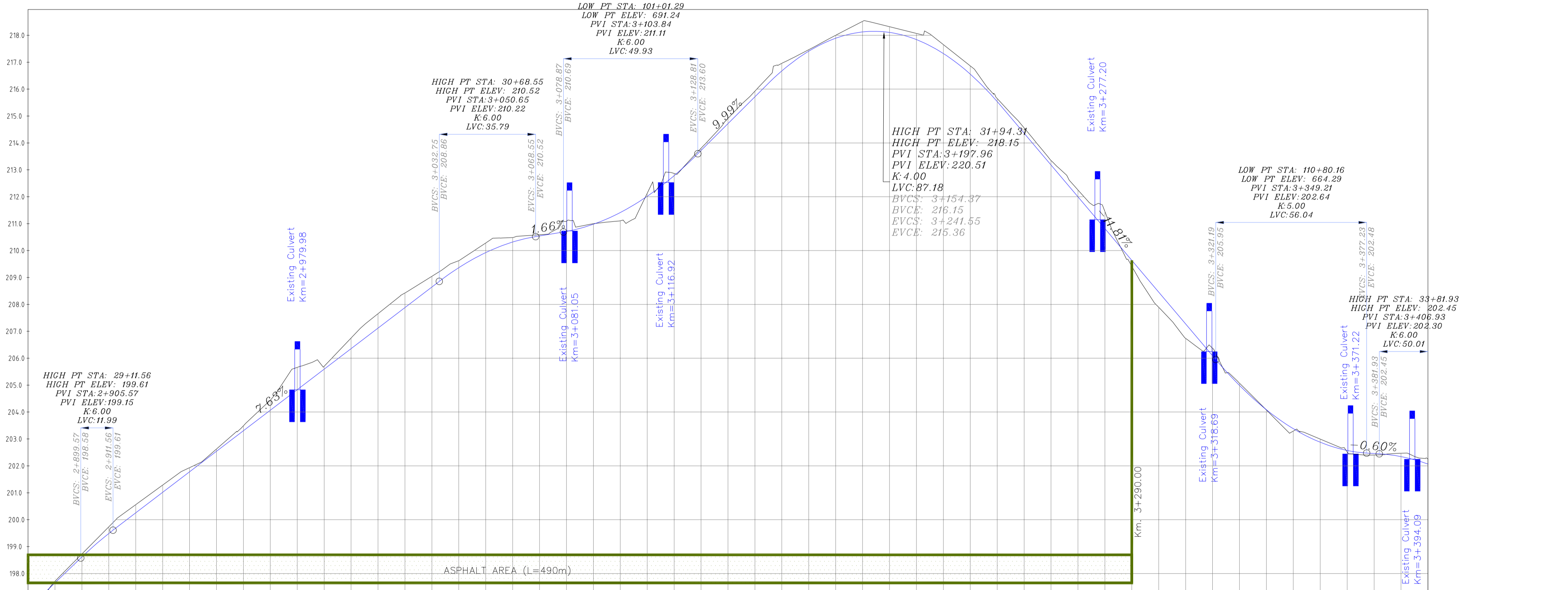
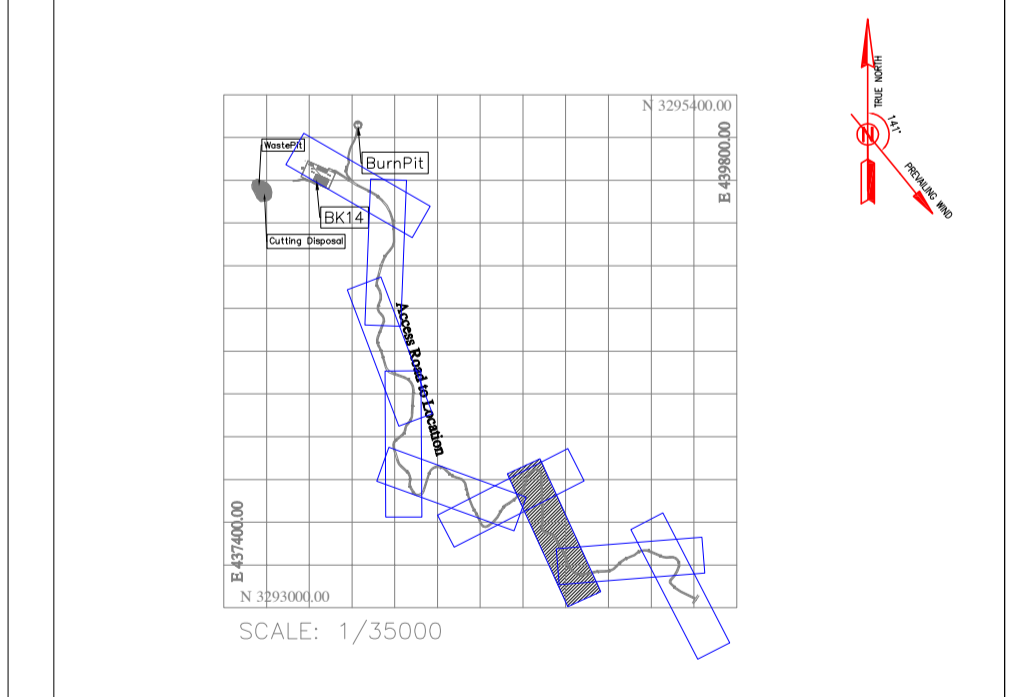
- NOTES**
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
 - RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
 - PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGRL-PEDCO-110-PI-DW-0001
 - THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

- LEGEND**
- WELL LOCATION
 - WELL
 - SITE
 - CAMP SITE
 - ASPHALT ROAD
 - GRAVEL ROAD
 - PROPOSED ROAD
 - DAYLIGHT
 - RETAINING WALL
 - ROAD WIDENING AREA
 - CANAL
 - RIVER
 - WATER COURSE
 - CONTOURS
 - SPOT HEIGHT
 - BENCH MARK
 - BRIDGE
 - CULVERT
 - OIL LINE
 - BURN PIT LINE
 - NEW BURN PIT LINE

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

- ABBREVIATION**
- PT= POINT
 - PVI= POINT OF VERTICAL INTERSECTION
 - LVC= LENGTH OF VERTICAL CURVE
 - BVCS= BEGIN OF VERTICAL CURVE STATION
 - EVCS= END OF VERTICAL CURVE STATION
 - BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 - EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS	KILO & HECTOMETER KM2	METERS	CURVES
199.61	198.65	890	198.65	890	198.65	L=209.385
199.61	198.65	900	198.65	900	198.65	D=19°23'53" R=65.37
199.61	198.65	910	198.65	910	198.65	D=105°35'23" R=34.15
199.61	198.65	920	198.65	920	198.65	D=68°05'24" R=34.74
199.61	198.65	930	198.65	930	198.65	D=12°30'09" R=120.28
199.61	198.65	940	198.65	940	198.65	L=55.389
199.61	198.65	950	198.65	950	198.65	D=26°57'29" R=49.90
199.61	198.65	960	198.65	960	198.65	D=50°56'38" R=90.01
199.61	198.65	970	198.65	970	198.65	L=11.538
199.61	198.65	980	198.65	980	198.65	D=44°20'42" R=35.24
199.61	198.65	990	198.65	990	198.65	L=11.538
199.61	198.65	1000	198.65	1000	198.65	L=11.538

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C32	23.07	11.47	N22° 34' 43.64"E	(438806.44,3293562.19)	(438810.80,3293572.67)
C33	49.23	35.37	N28° 55' 08.79"E	(438814.82,3293600.14)	(438831.56,3293630.44)
C34	24.50	55.05	S66° 07' 47.91"E	(438845.04,3293641.95)	(438885.44,3293624.07)
C35	65.37	22.13	S7° 56' 08.79"W	(438891.88,3293414.78)	(438888.84,3293392.97)
C36	34.15	62.93	S35° 09' 36.23"E	(438888.84,3293392.97)	(438920.17,3293348.50)
C37	34.74	41.28	S53° 54' 35.73"E	(438920.17,3293348.50)	(438951.60,3293325.59)
C38	120.28	26.25	S26° 06' 58.48"E	(438951.60,3293325.59)	(438963.13,3293302.07)
C39	49.90	23.48	S18° 53' 18.63"E	(438992.78,3293255.28)	(439000.31,3293233.27)
C40	90.01	80.04	S30° 52' 53.39"E	(439000.31,3293233.27)	(439040.05,3293166.82)
C41	35.24	27.27	S78° 31' 33.58"E	(439040.05,3293166.82)	(439075.72,3293155.14)

Station	Northing	Easting	PI Station	Northing	Easting
2+800.00	3293579.68	438886.81	3+070.00	3293390.18	438888.08
2+850.00	3293569.69	438887.11	3+100.00	3293380.25	438887.32
2+900.00	3293559.69	438887.42	3+150.00	3293370.31	438887.46
2+950.00	3293549.70	438887.73	3+200.00	3293360.37	438887.56
2+980.00	3293539.70	438888.04	3+250.00	3293350.42	438887.66
2+990.00	3293529.71	438888.35	3+300.00	3293340.48	438887.76
2+940.00	3293519.71	438888.66	3+350.00	3293330.54	438887.86
2+950.00	3293509.72	438888.96	3+400.00	3293320.60	438887.96
2+960.00	3293499.72	438889.27	3+450.00	3293310.66	438888.06
2+970.00	3293489.73	438889.58	3+500.00	3293300.72	438888.16
2+980.00	3293479.73	438889.88	3+550.00	3293290.78	438888.26
2+990.00	3293469.74	438890.19	3+600.00	3293280.84	438888.36
3+000.00	3293459.74	438890.50	3+650.00	3293270.90	438888.46
3+010.00	3293449.75	438890.81	3+700.00	3293260.96	438888.56
3+020.00	3293439.75	438891.11	3+750.00	3293250.96	438888.66
3+030.00	3293429.76	438891.42	3+800.00	3293240.96	438888.76
3+040.00	3293419.76	438891.73	3+850.00	3293230.96	438888.86
3+050.00	3293409.76	438892.04	3+900.00	3293220.96	438888.96
3+060.00	3293399.76	438892.35	3+950.00	3293210.96	438889.06

Coordinate of Bench Marks (UTM-ZONE 39N)

NAME	Easting(m)	Northing(m)	Elevation(m)
GPS2	437770.8593	3295060.1065	171.4186
GPS3	437770.7943	3295060.0960	171.4184

REVISIONS

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
DO3	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
DO2	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
DO1	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
DO0	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 ACCESS ROAD PLAN AND PROFILE

SCALE: 1/1000, SIZE: A1, DRAWING NO.: BK-BK14-PEDCO-110-CV-DW-0001, SHEET NO.: 26 OF 98, REV.: D04

اسلو و کلیه نسخ این نقشه و حق انحصاری متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

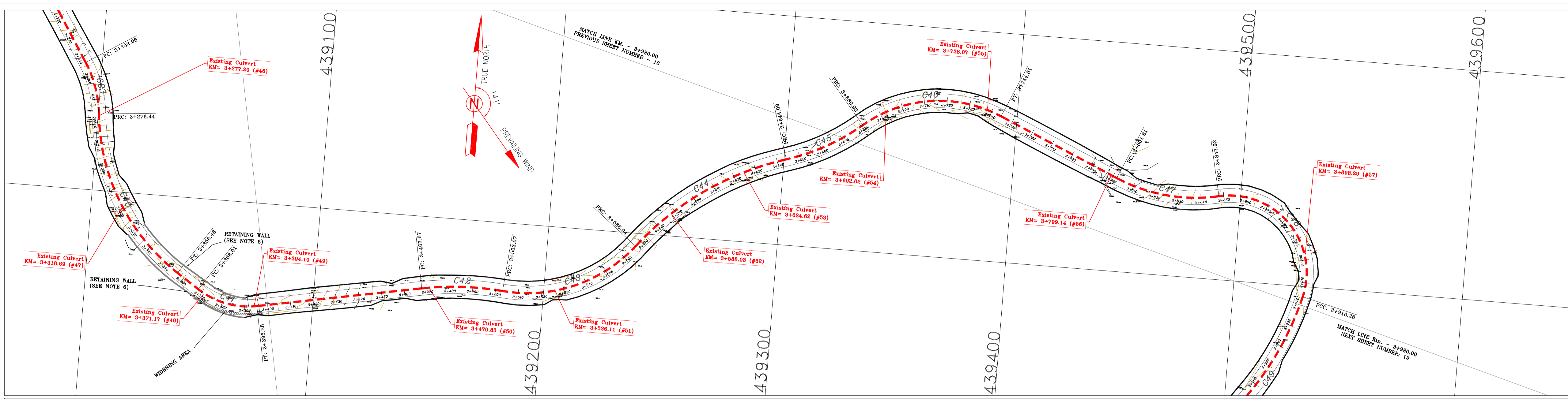
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

APPROVED FOR CONSTRUCTION	BY:	DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	26	D04



- NOTES**
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL
 - THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004"
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
 - RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
 - PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGRL-PEDCO-110-PI-DW-0001
 - THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

LEGEND

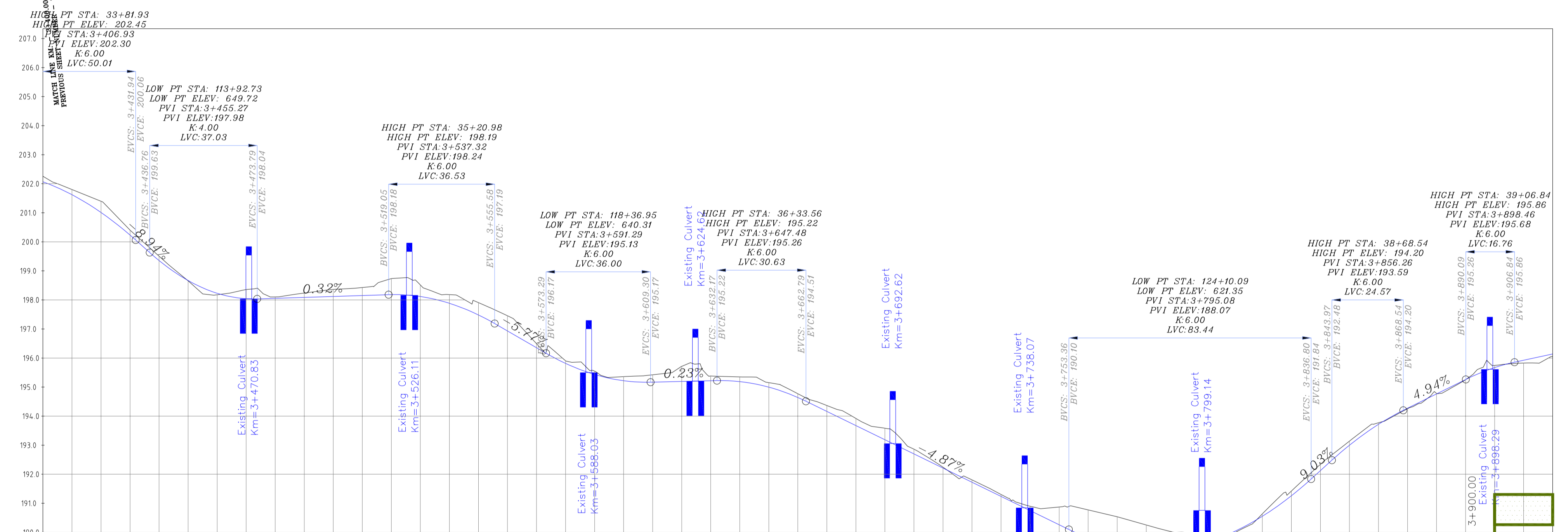
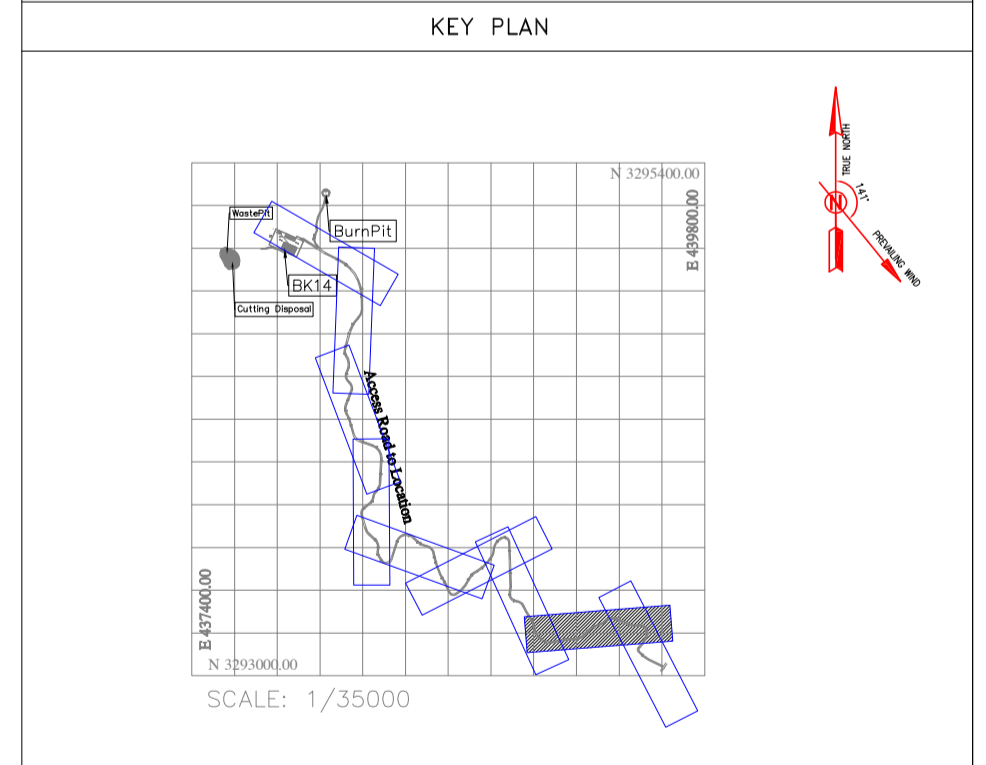
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		OIL LINE
	ROAD WIDENING AREA		BURN PIT LINE
	NEW BURN PIT LINE		

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS	KILO & HECTOMETER KM3	METERS	CURVES
34000.00	34000.00	410	34000.00	410	34000.00	L=72.383
34100.00	34100.00	420	34100.00	420	34100.00	D=16°00'42" R=126.68
34200.00	34200.00	430	34200.00	430	34200.00	D=57°01'16" R=64.18
34300.00	34300.00	440	34300.00	440	34300.00	D=34°20'54" R=128.68
34400.00	34400.00	450	34400.00	450	34400.00	D=22°37'24" R=93.29
34500.00	34500.00	460	34500.00	460	34500.00	D=63°32'46" R=57.42
34600.00	34600.00	470	34600.00	470	34600.00	L=57.208
34700.00	34700.00	480	34700.00	480	34700.00	D=36°05'38" R=73.19
34800.00	34800.00	490	34800.00	490	34800.00	D=116°23'38" R=33.64
34900.00	34900.00	500	34900.00	500	34900.00	D=33°45'31" R=130.00

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C39	49.90	23.48	S18° 53' 18.63"E	(438992.78,3293255.28)	(439000.31,3293233.27)
C40	90.01	80.04	S30° 52' 53.39"E	(439000.31,3293233.27)	(439040.05,3293166.82)
C41	35.24	27.27	S78° 31' 33.58"E	(439049.66,3293160.43)	(439075.72,3293155.14)
C42	126.68	35.40	N87° 18' 26.77"E	(439146.85,3293168.58)	(439182.09,3293170.23)
C43	64.18	63.88	N66° 48' 08.86"E	(439182.09,3293170.23)	(439238.41,3293194.37)
C44	128.68	77.14	N55° 27' 57.77"E	(439238.41,3293194.37)	(439301.02,3293237.45)
C45	93.29	36.83	N61° 19' 42.70"E	(439301.02,3293237.45)	(439333.12,3293255.01)

Station	Northing	Easting
34500.00	3293204.19	439247.01
34600.00	3293156.01	439080.35
34700.00	3293111.09	439254.24
34800.00	3293157.87	439090.18
34900.00	3293159.73	439100.01
35000.00	3293161.58	439109.83
35100.00	3293163.44	439119.66
35200.00	3293165.30	439129.49
35300.00	3293167.15	439139.31
35400.00	3293168.99	439149.14
35500.00	3293170.77	439159.04
35600.00	3293172.54	439169.04
35700.00	3293174.31	439179.03
35800.00	3293176.09	439189.02
35900.00	3293177.86	439199.01
36000.00	3293179.64	439209.00
36100.00	3293179.64	439209.00
36200.00	3293179.64	439209.00
36300.00	3293179.64	439209.00
36400.00	3293179.64	439209.00
36500.00	3293179.64	439209.00
36600.00	3293179.64	439209.00
36700.00	3293179.64	439209.00
36800.00	3293179.64	439209.00
36900.00	3293179.64	439209.00
37000.00	3293179.64	439209.00
37100.00	3293179.64	439209.00
37200.00	3293179.64	439209.00
37300.00	3293179.64	439209.00
37400.00	3293179.64	439209.00
37500.00	3293179.64	439209.00
37600.00	3293179.64	439209.00
37700.00	3293179.64	439209.00
37800.00	3293179.64	439209.00
37900.00	3293179.64	439209.00
38000.00	3293179.64	439209.00
38100.00	3293179.64	439209.00
38200.00	3293179.64	439209.00
38300.00	3293179.64	439209.00
38400.00	3293179.64	439209.00
38500.00	3293179.64	439209.00
38600.00	3293179.64	439209.00
38700.00	3293179.64	439209.00
38800.00	3293179.64	439209.00
38900.00	3293179.64	439209.00
39000.00	3293179.64	439209.00
39100.00	3293179.64	439209.00
39200.00	3293179.64	439209.00
39300.00	3293179.64	439209.00
39400.00	3293179.64	439209.00
39500.00	3293179.64	439209.00
39600.00	3293179.64	439209.00
39700.00	3293179.64	439209.00
39800.00	3293179.64	439209.00
39900.00	3293179.64	439209.00
40000.00	3293179.64	439209.00

Coordinate of Bench Marks (UTM-ZONE 39N)

NAME	Easting(m)	Northing(m)	Elevation(m)
GPS2	437770.8593	3295060.1065	171.4186
GPS3	437770.7943	3295060.0960	171.4184

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 ACCESS ROAD PLAN AND PROFILE

SCALE: 1/1000

DRAWING NO. BK-BK14-PEDCO-110-CV-DW-0001

SHEET NO. 27 OF 98

REV. D04

BUDGET REF. 053-073-9184

LOCATION F

SIZE 4

CLASS S

SERIAL NO. 708209

SHEET 27

REVISION D04

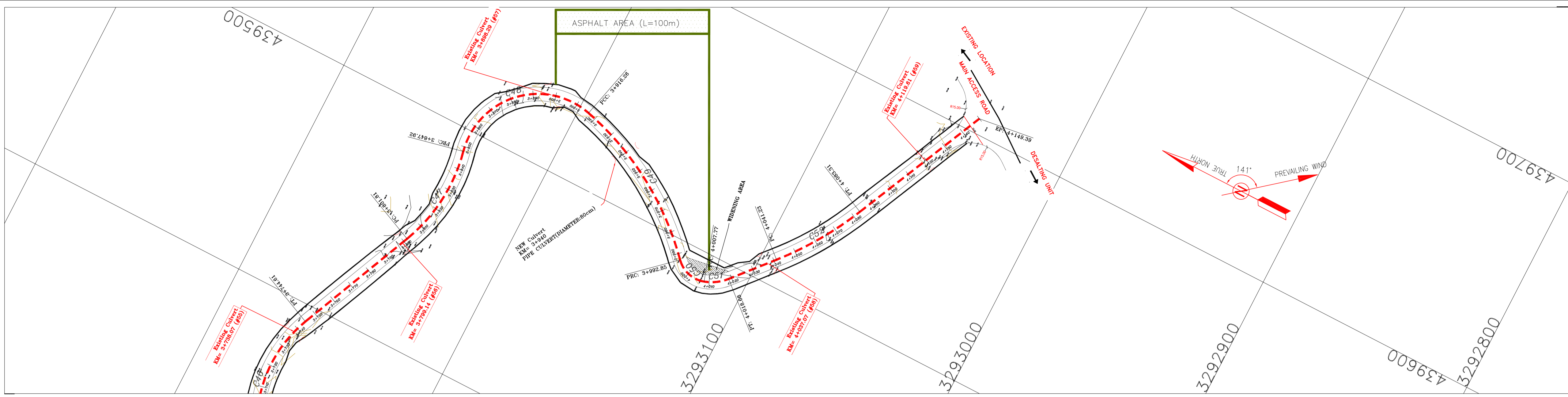
اسلو و کله نسخ این نقشه و حق امتیاز متعلق به شرکت این مناطق نفت خیز جنوب میباشد.

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

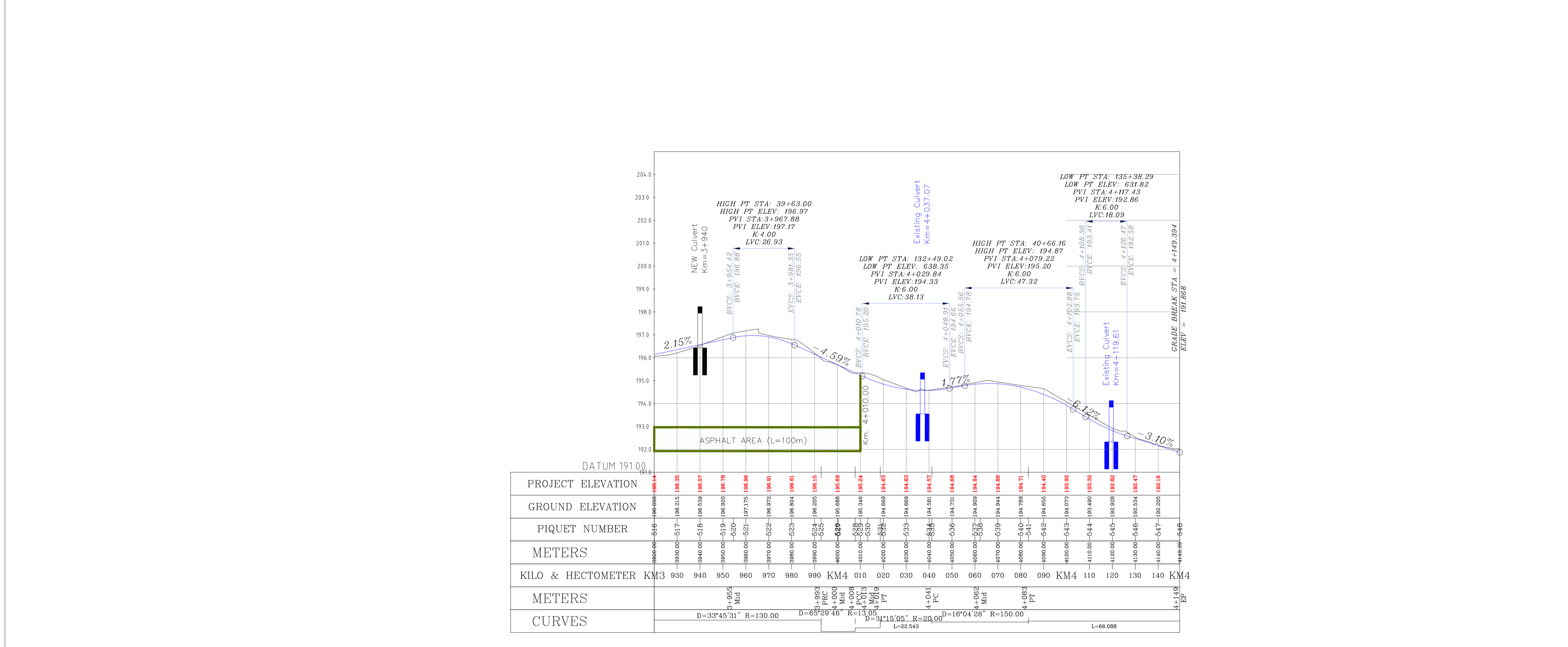


NOTES

- 1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- 2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 3- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- 4- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- 5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
- 6- RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
- 7- PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGR-L-PEDCO-110-PI-DW-0001
- 8- THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

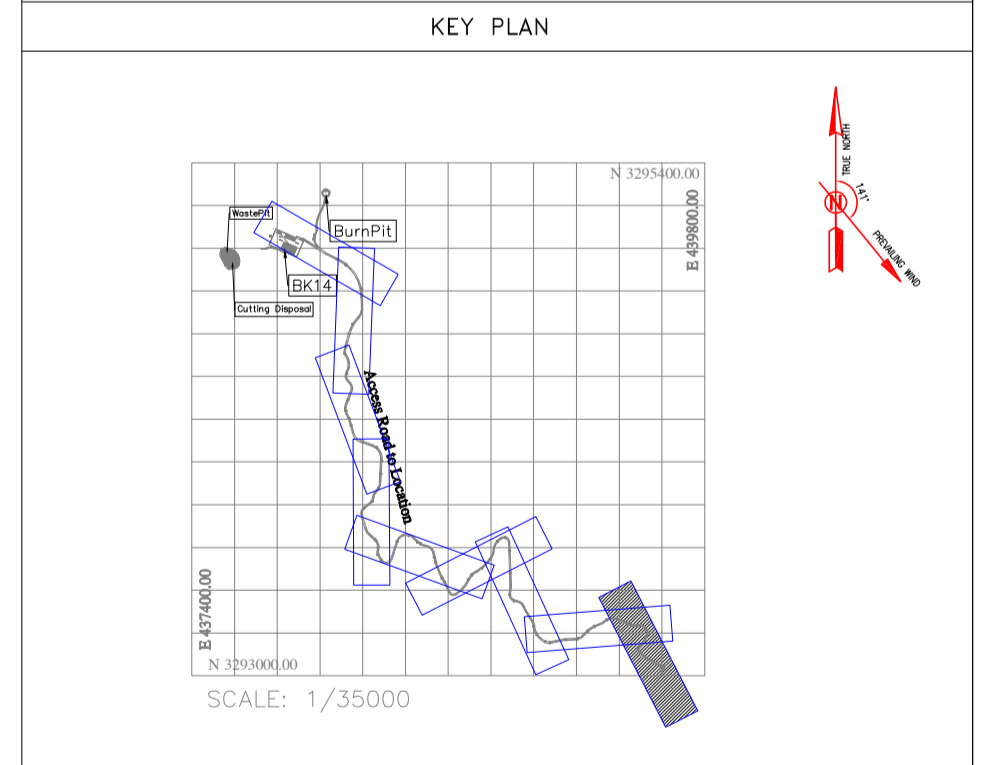
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		OIL LINE
	ROAD WIDENING AREA		BURN PIT LINE
			NEW BURN PIT LINE



REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001



Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C46	57.42	63.68	N81° 47' 23.60"E	(439333.12,3293255.01)	(439392.97,3293263.64)
C47	73.19	46.11	S84° 29' 02.42"E	(439445.41,3293240.77)	(439490.55,3293236.41)
C48	33.64	68.33	S44° 20' 02.31"E	(439490.55,3293236.41)	(439530.51,3293195.52)
C49	130.00	76.60	S30° 44' 32.20"W	(439530.51,3293195.52)	(439491.92,3293130.64)
C50	13.05	14.92	S14° 52' 24.31"W	(439491.92,3293130.64)	(439488.29,3293116.99)
C51	20.00	10.91	S33° 30' 01.16"E	(439488.29,3293116.99)	(439494.24,3293108.00)
C52	150.00	42.08	S57° 09' 46.39"E	(439511.28,3293093.25)	(439546.52,3293070.51)

Station

Station	Northing	Easting
4+120.00	3293055.11	439579.83
4+130.00	3293050.92	439588.91
4+140.00	3293046.72	439597.99
4+149.39	3293042.79	439606.51

Coordinate of Bench Marks (UTM-ZONE 39N)

NAME	Easting(m)	Northing(m)	Elevation(m)
GPS2	437770.8593	3295060.1065	171.4186
GPS3	437770.7943	3295060.0960	171.4184

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

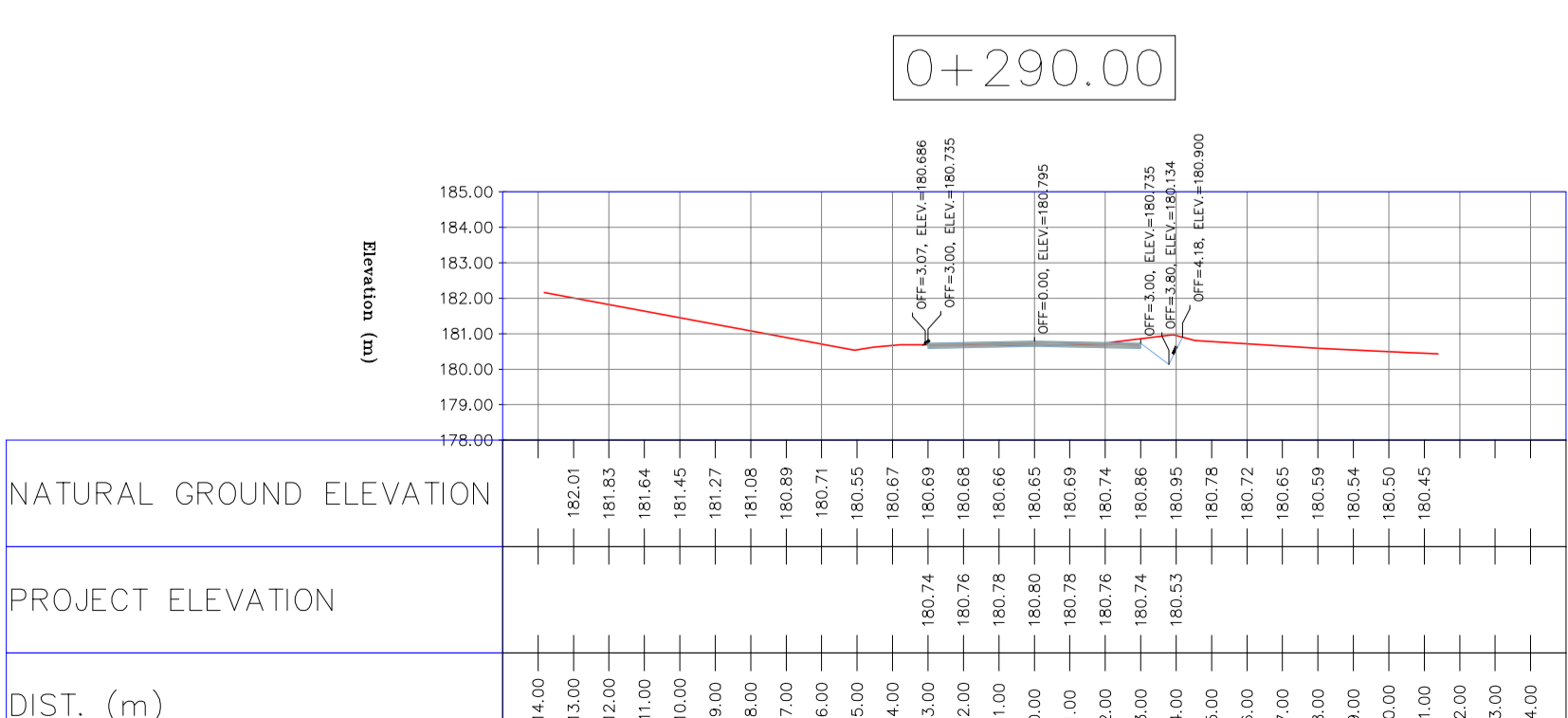
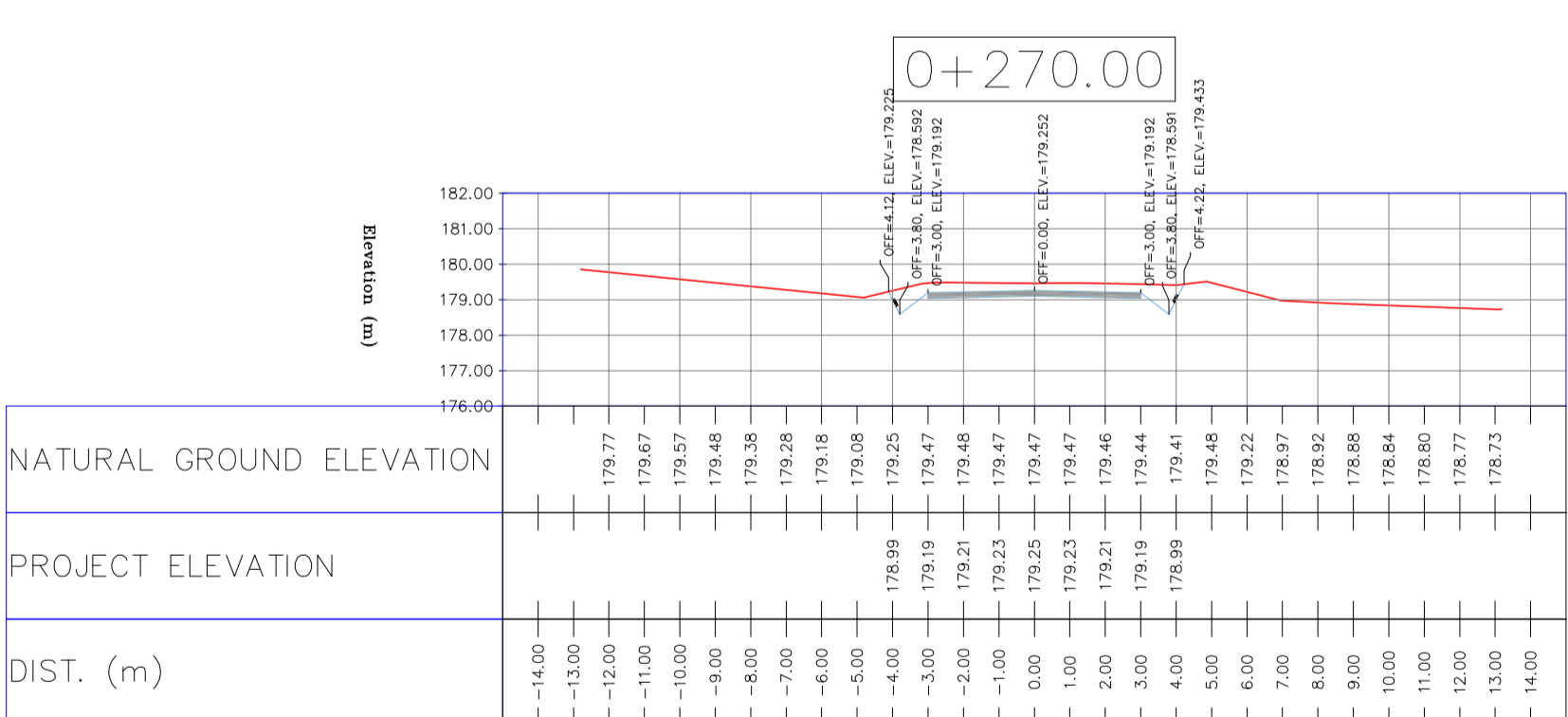
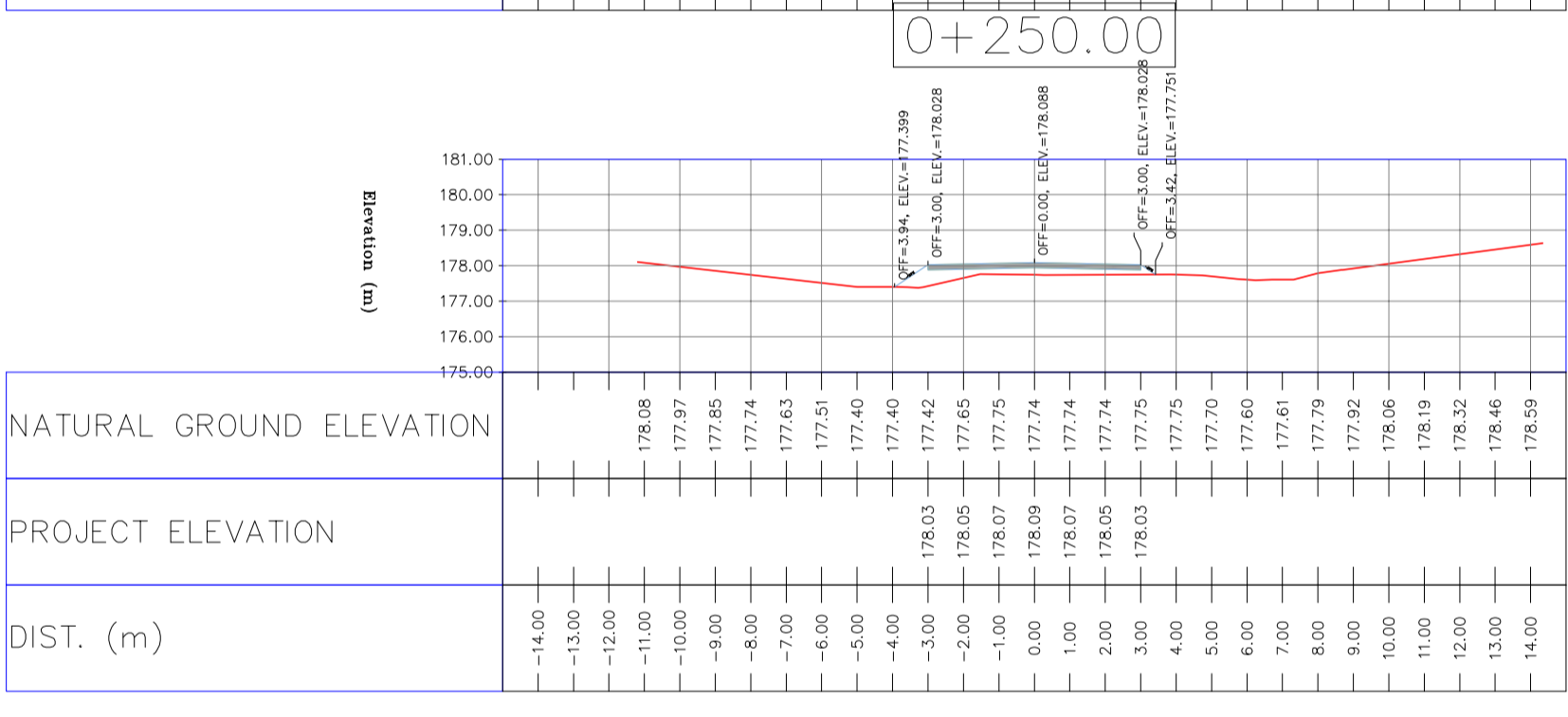
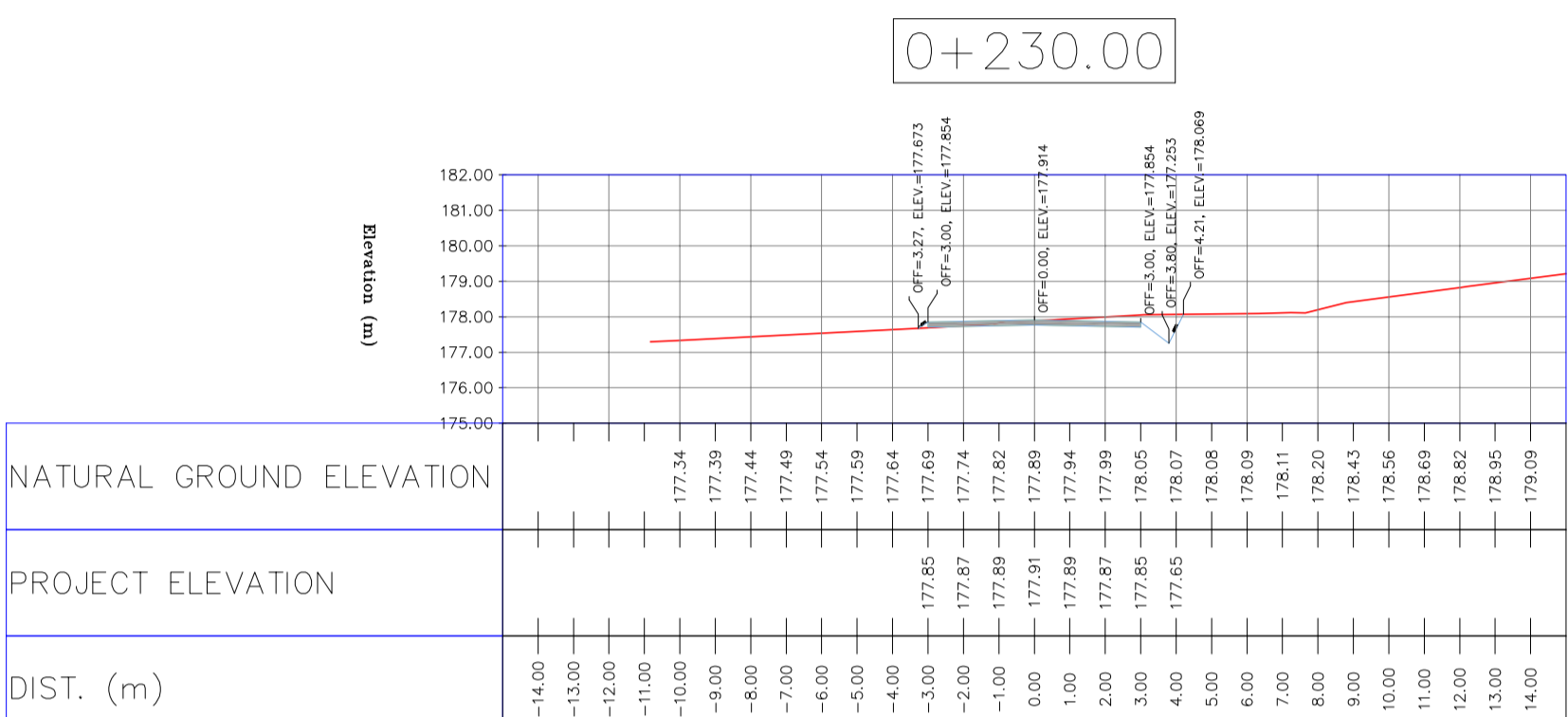
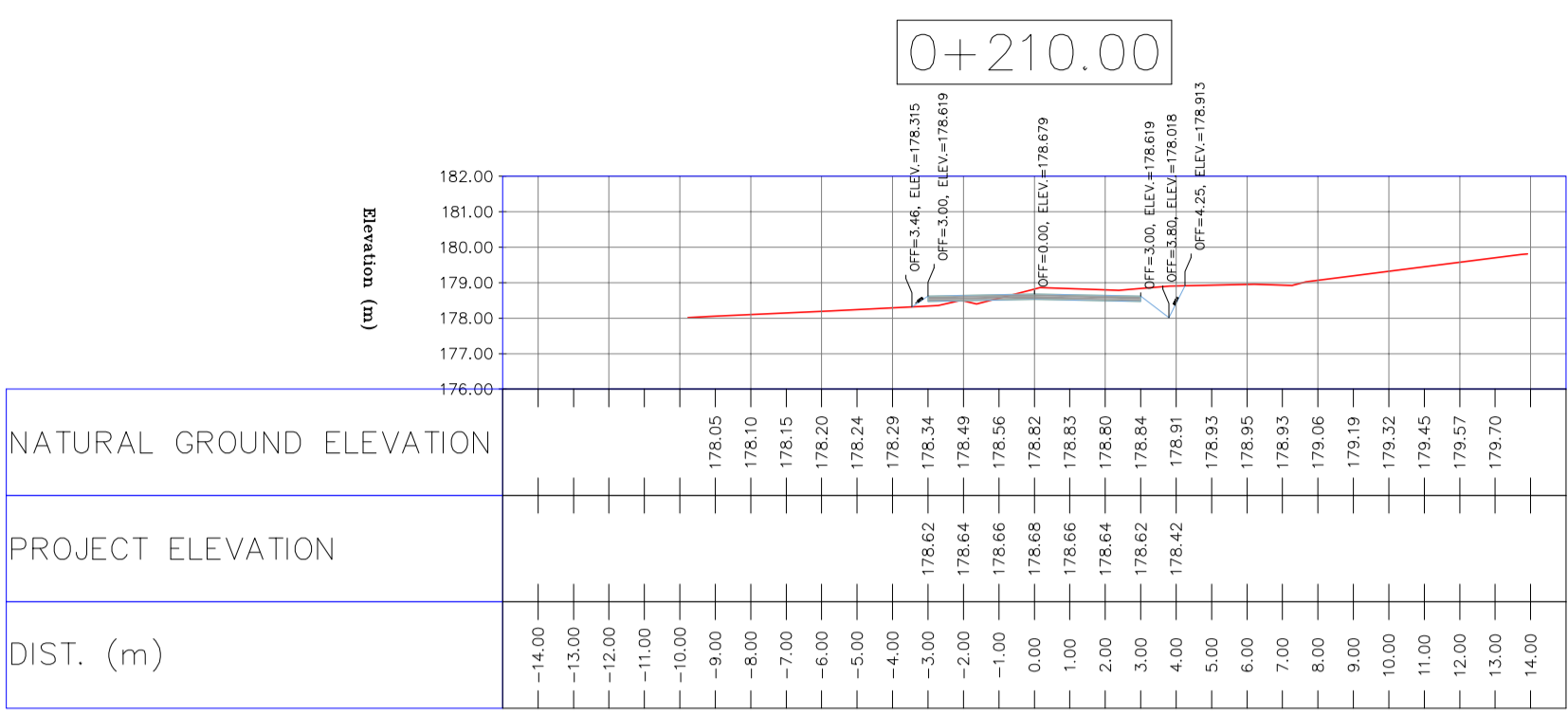
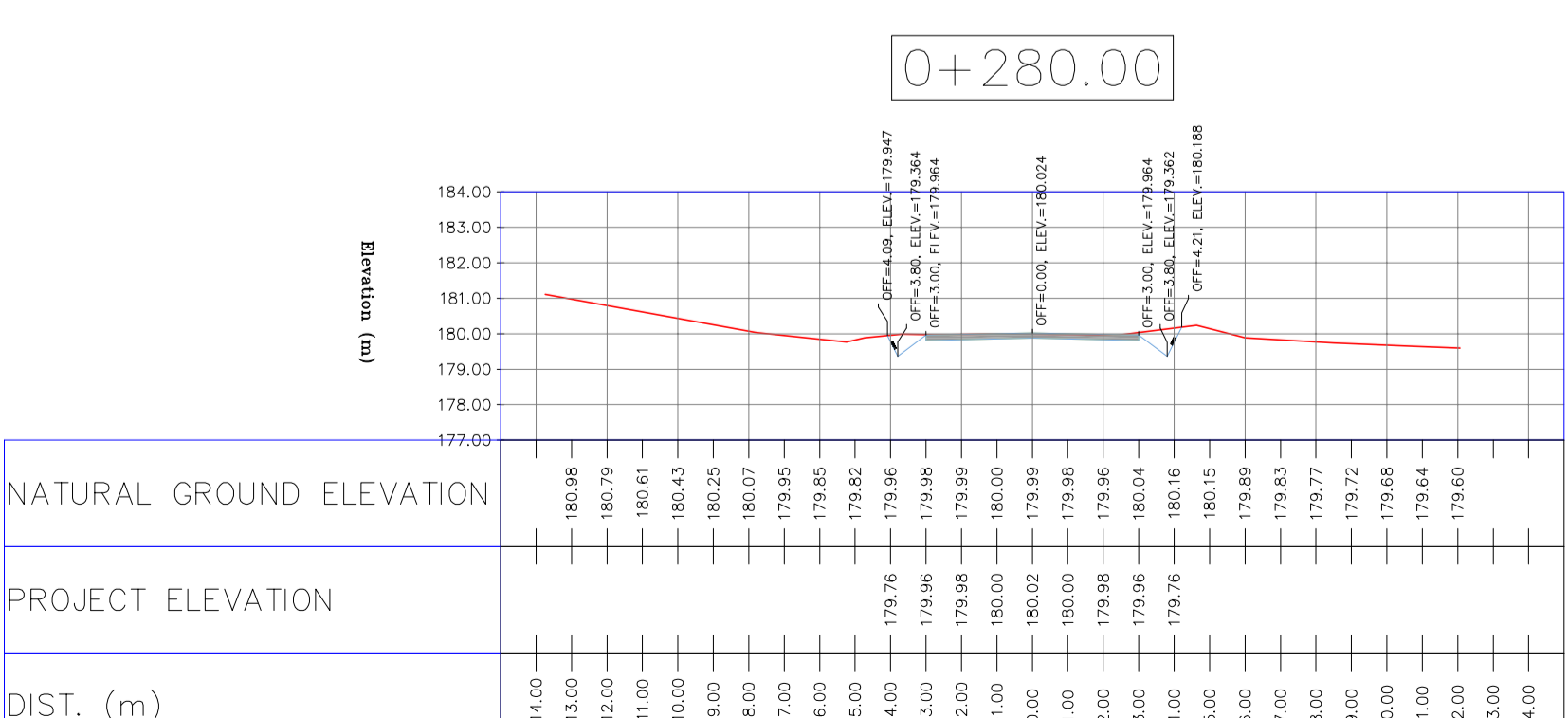
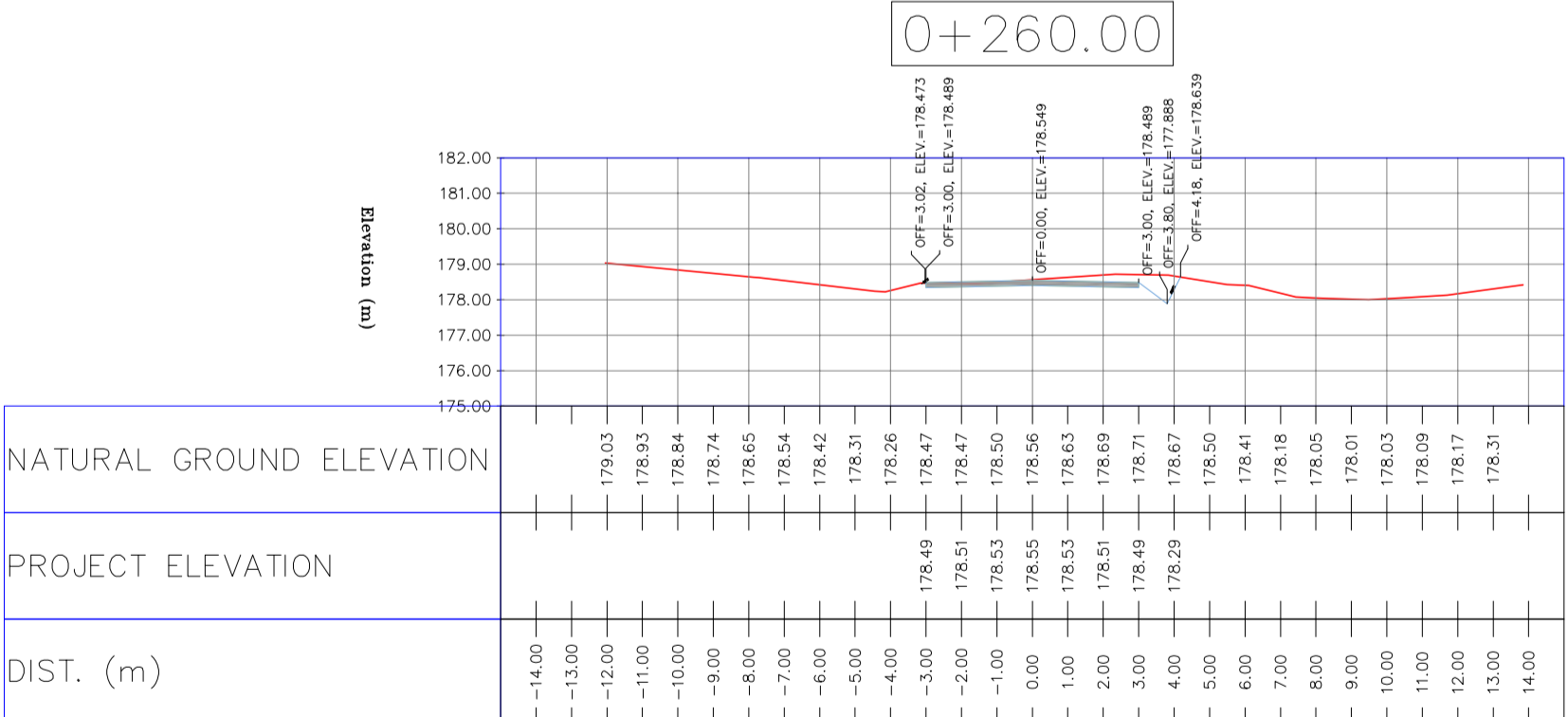
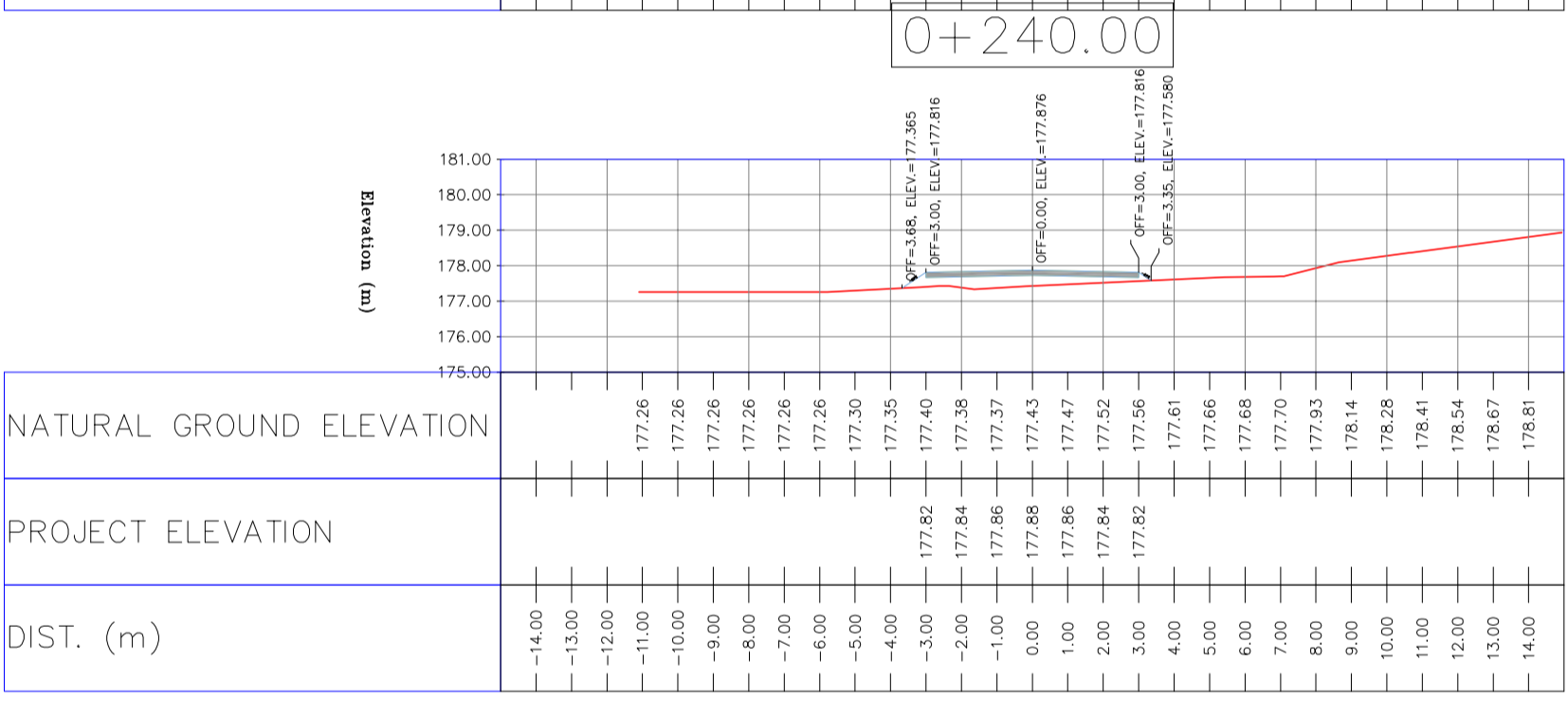
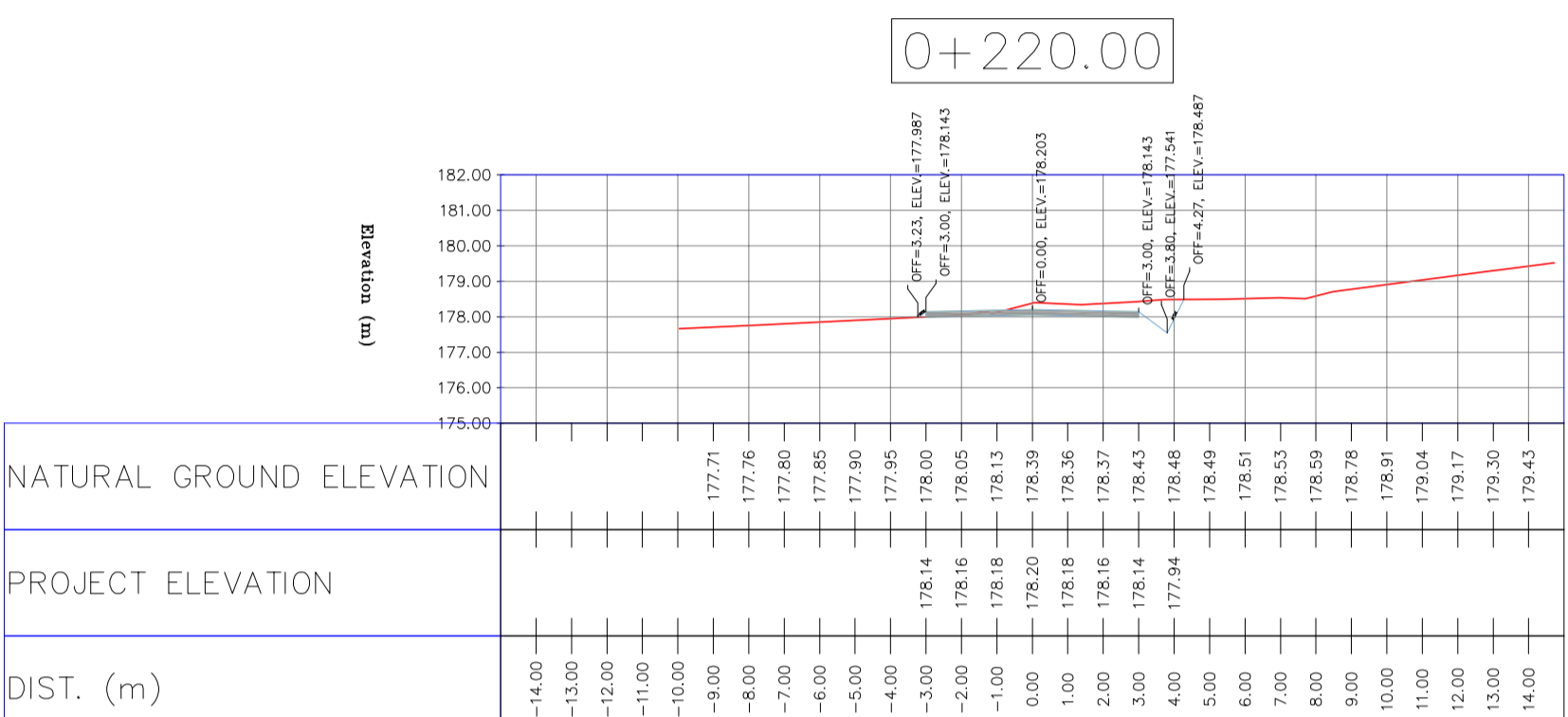
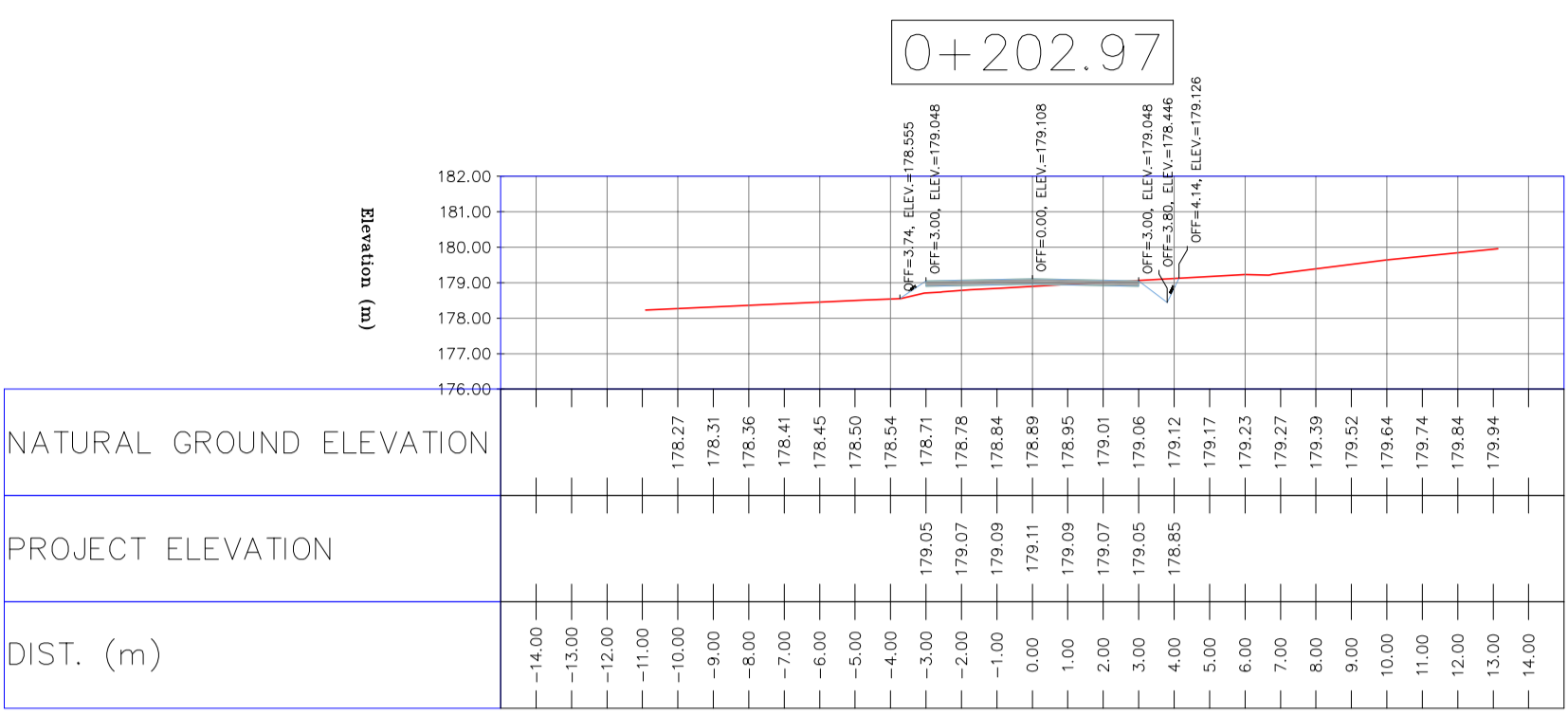
EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

APPROVED FOR CONSTRUCTION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	28	D04



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAI-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

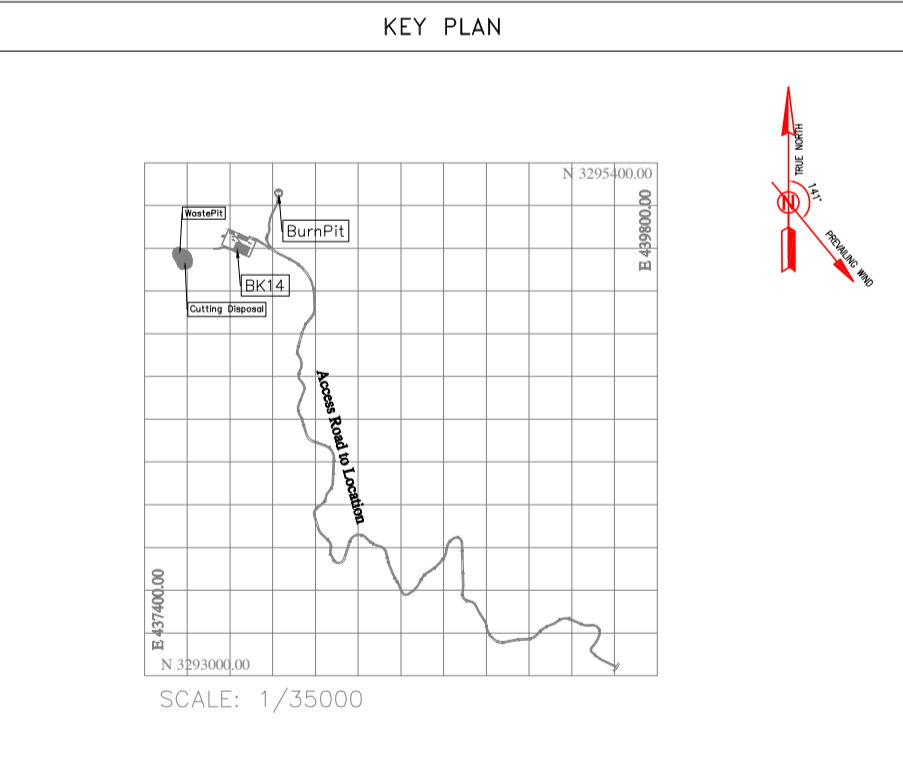
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAI-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAI-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRAI-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVC= BEGIN OF VERTICAL CURVE STATION
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVC= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAQ OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: **HIRGAN ENERGY** - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): **PETROIRAN DEVELOPMENT COMPANY**

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

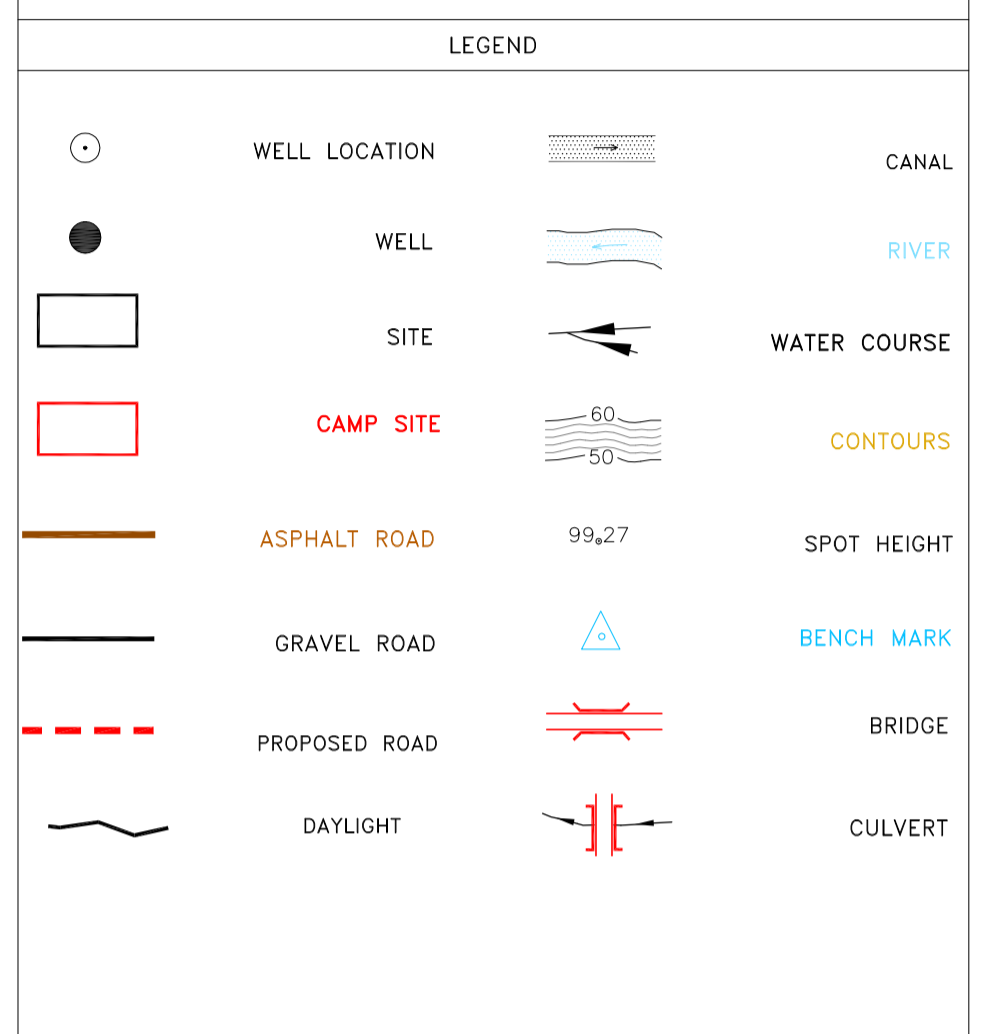
DATE: _____ SCALE: _____ DRAWING BY: _____ CHECKED BY: _____ PROJECT ENG.:

APPROVED FOR CONSTRUCTION: _____ BY: _____ DATE: _____

BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION
053-073-9184 F 4 S 708209 32 D04

NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL
- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN....) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

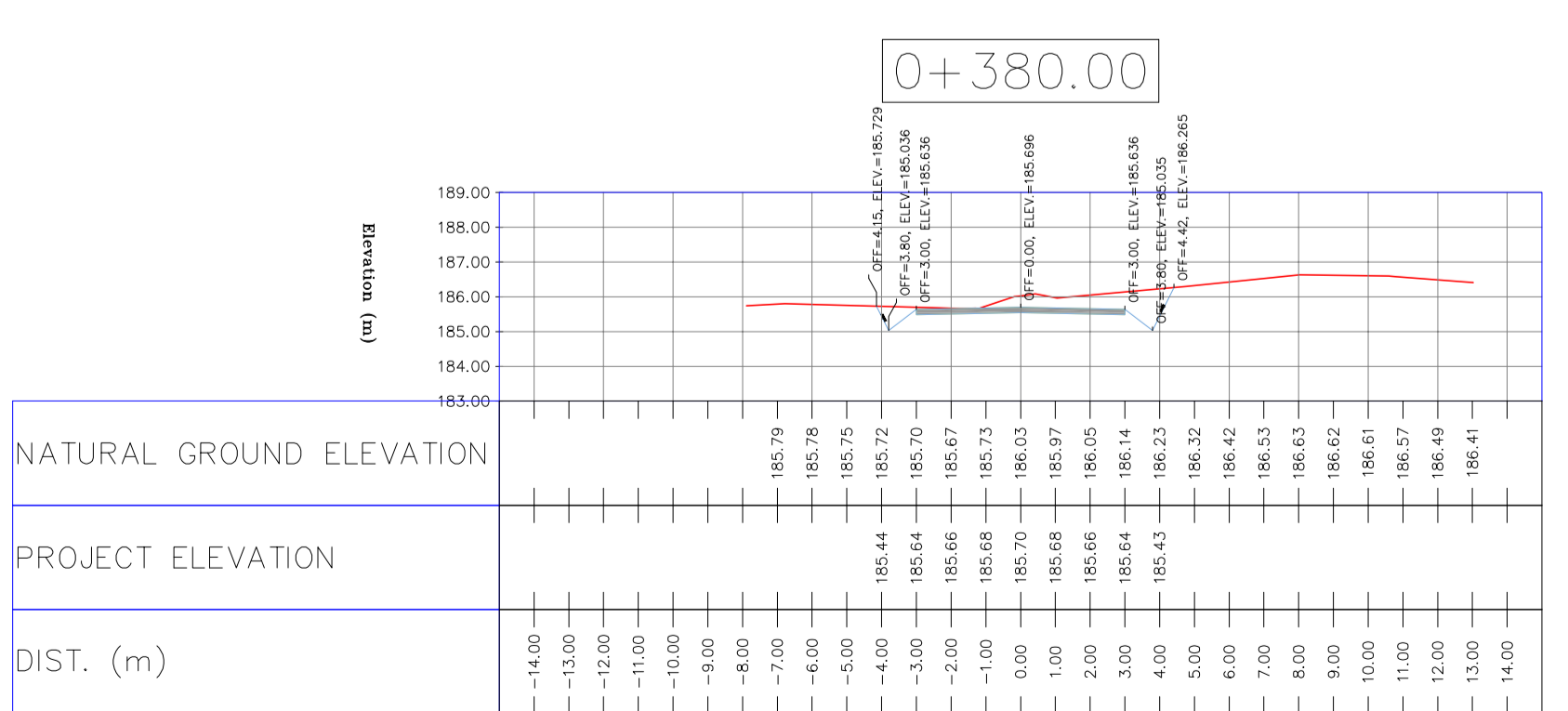
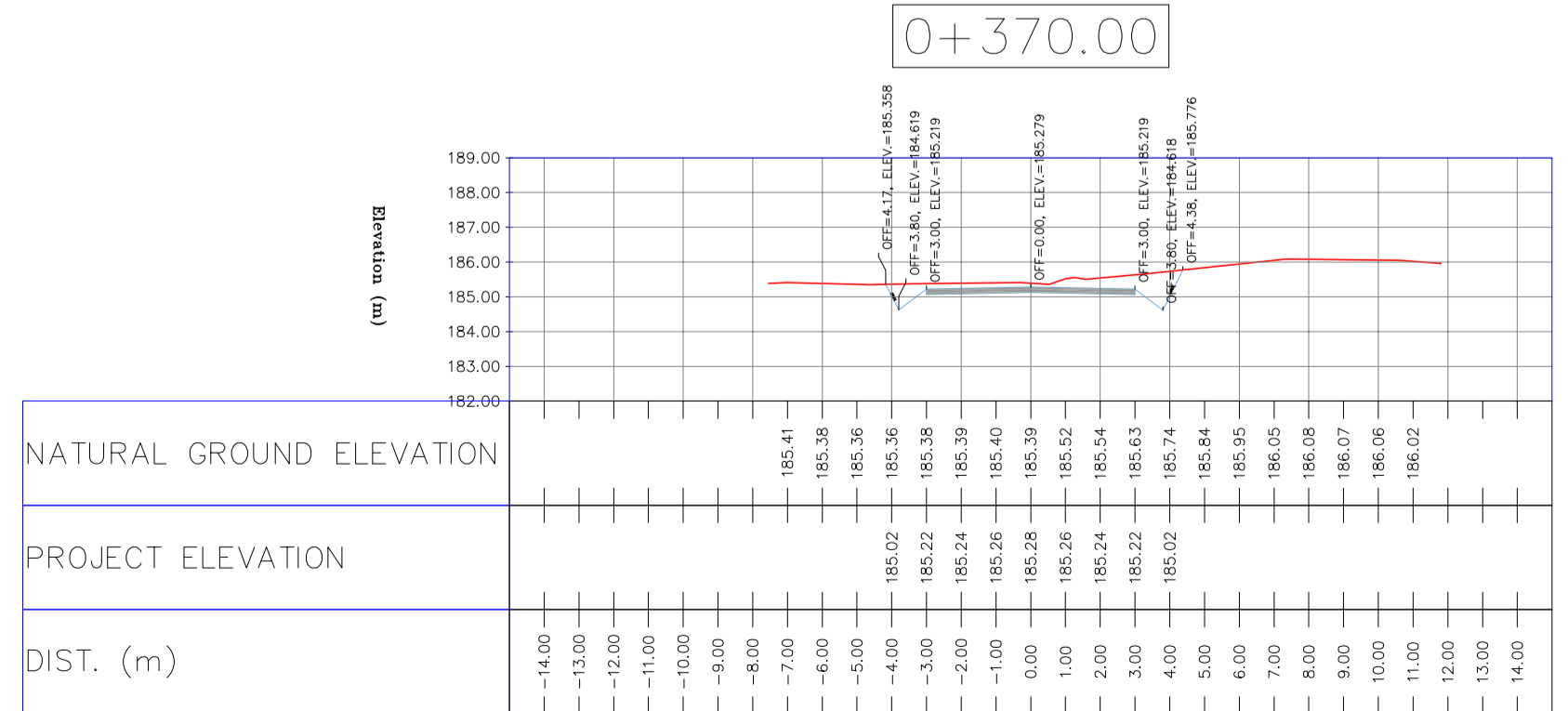
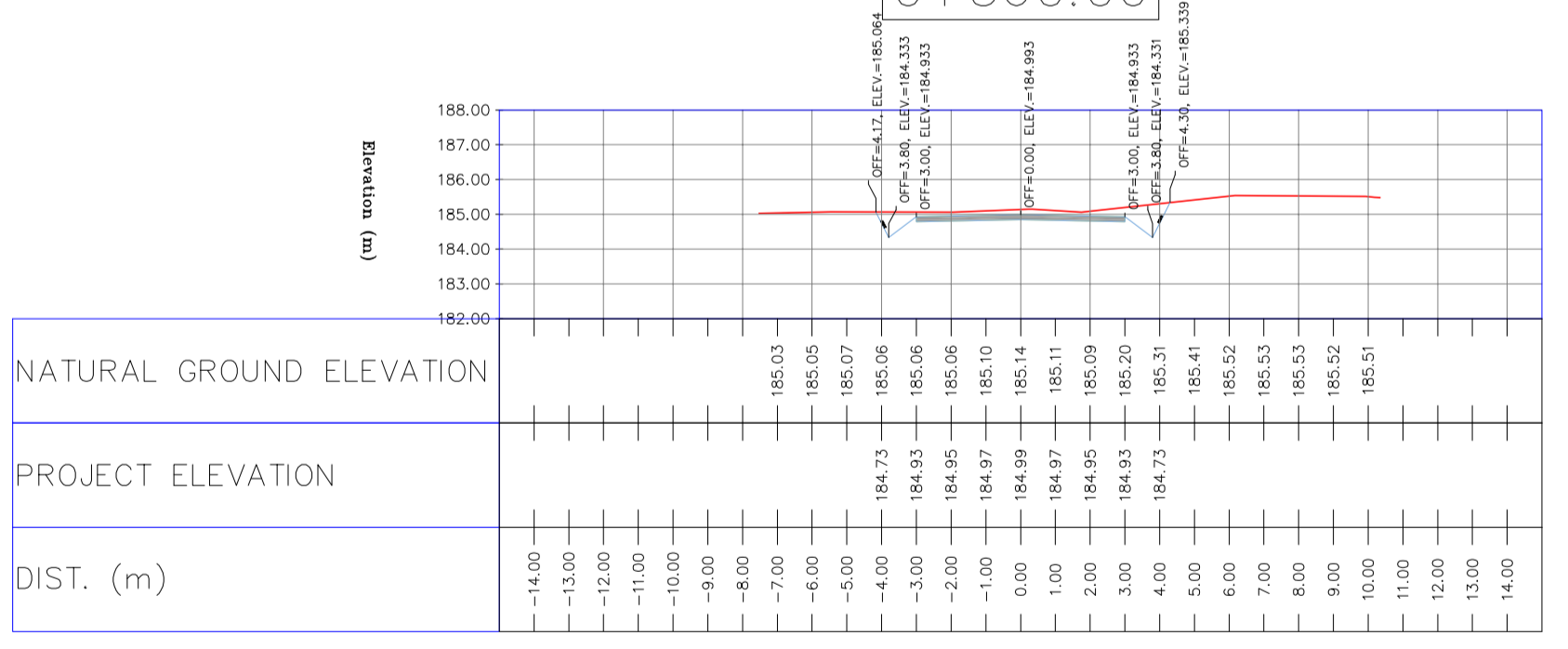
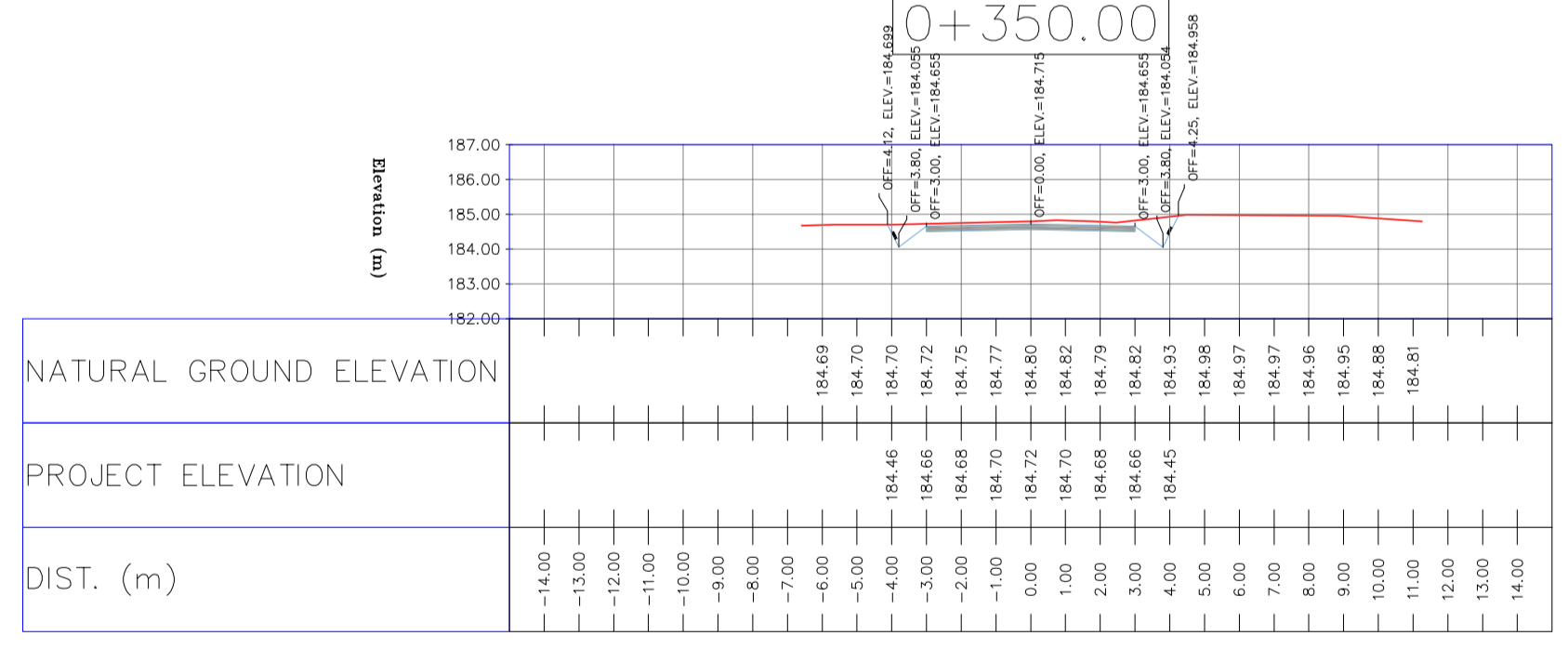
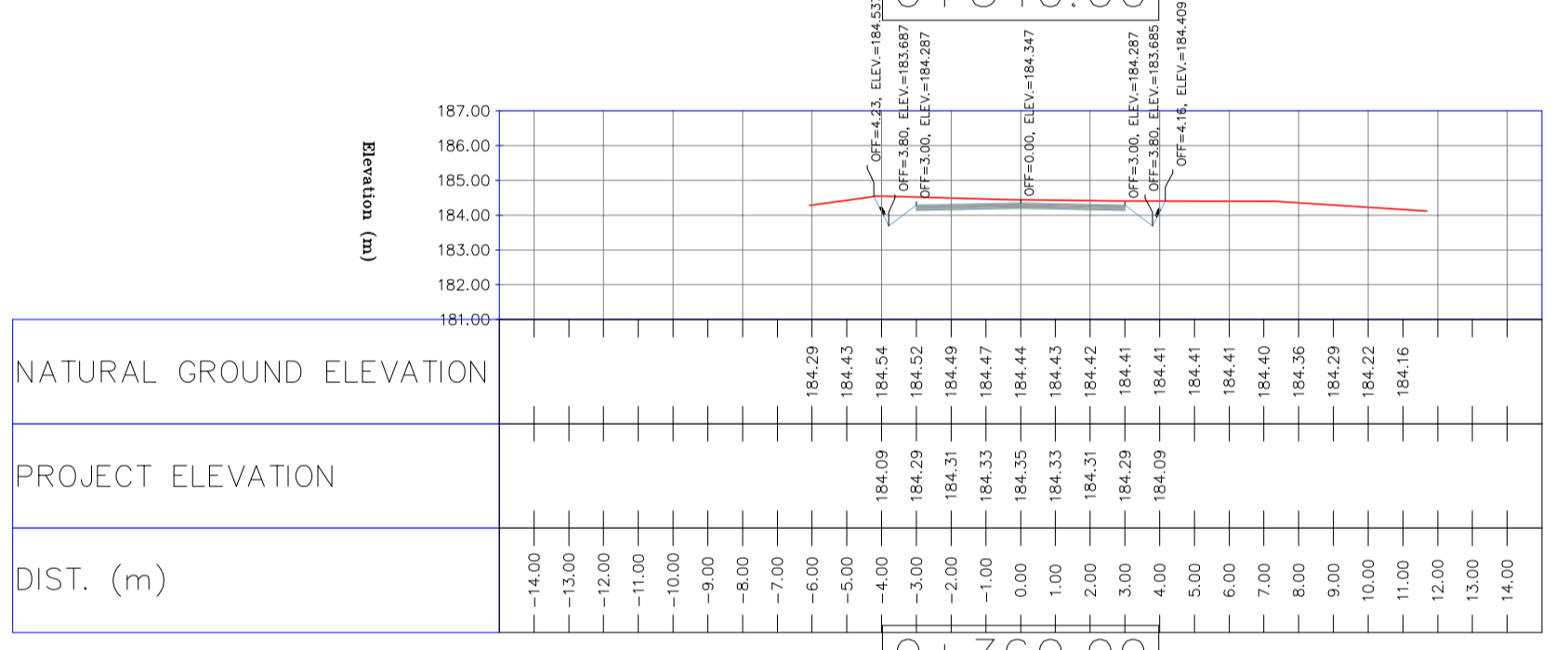
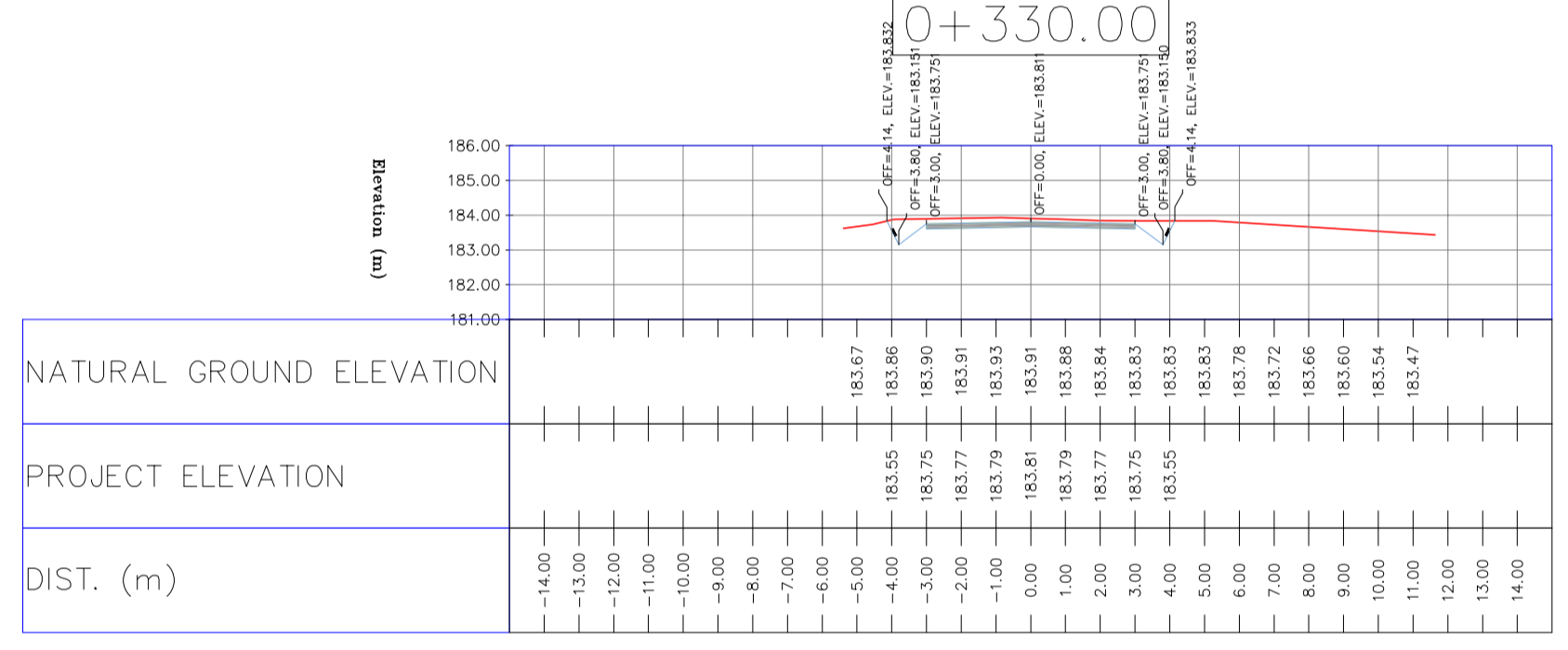
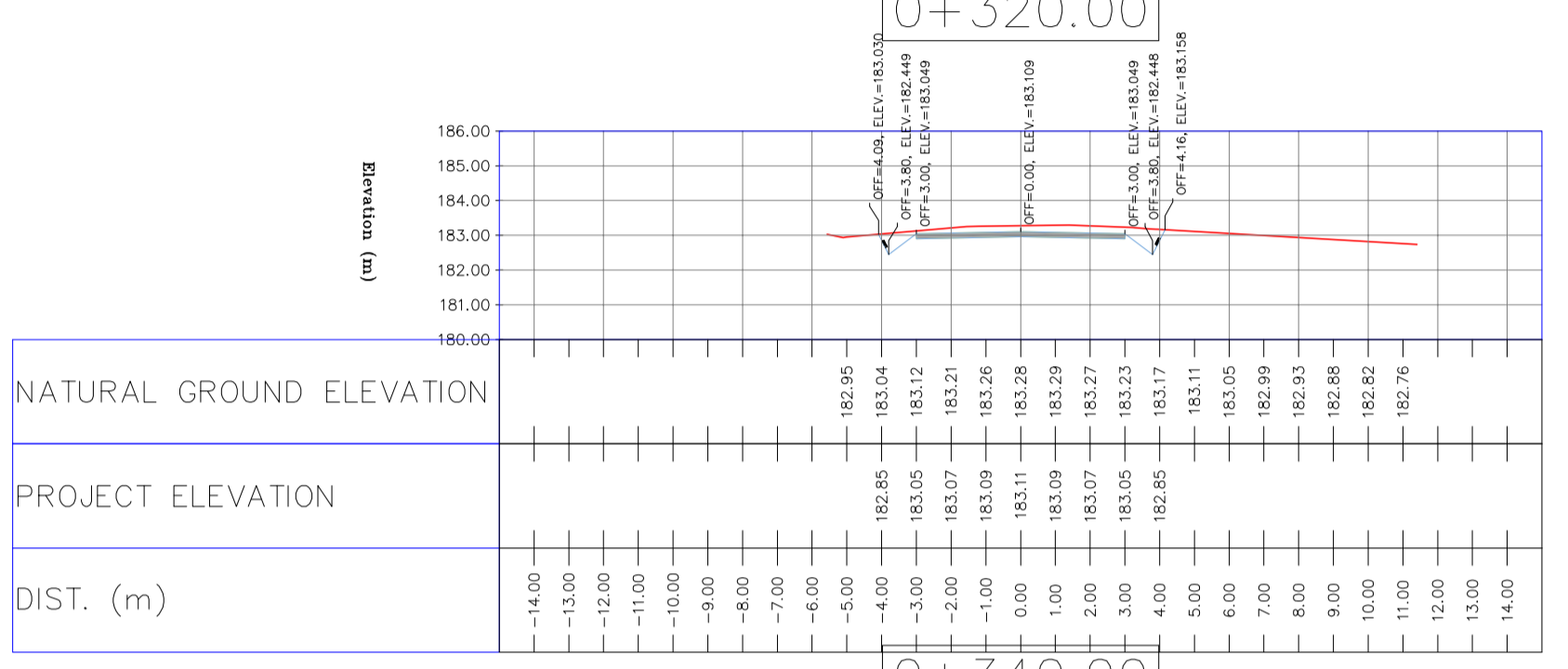
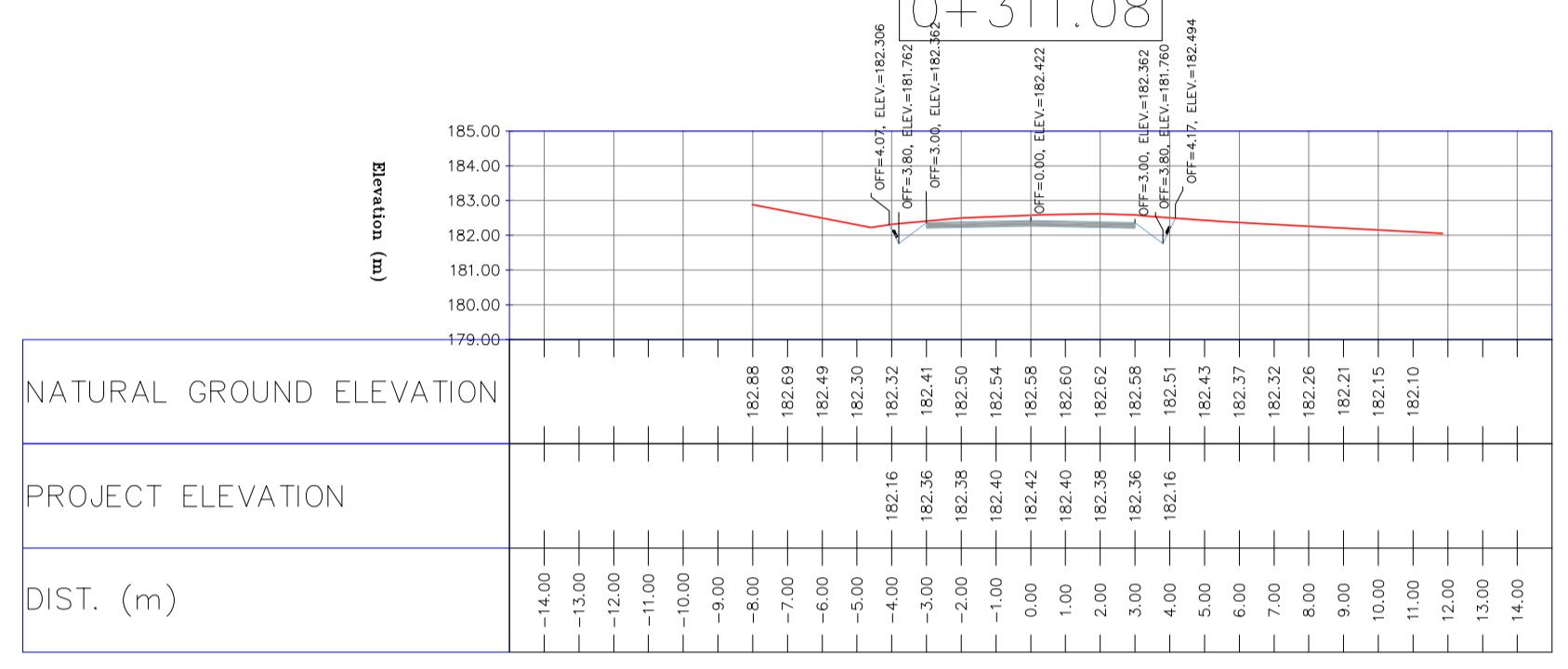
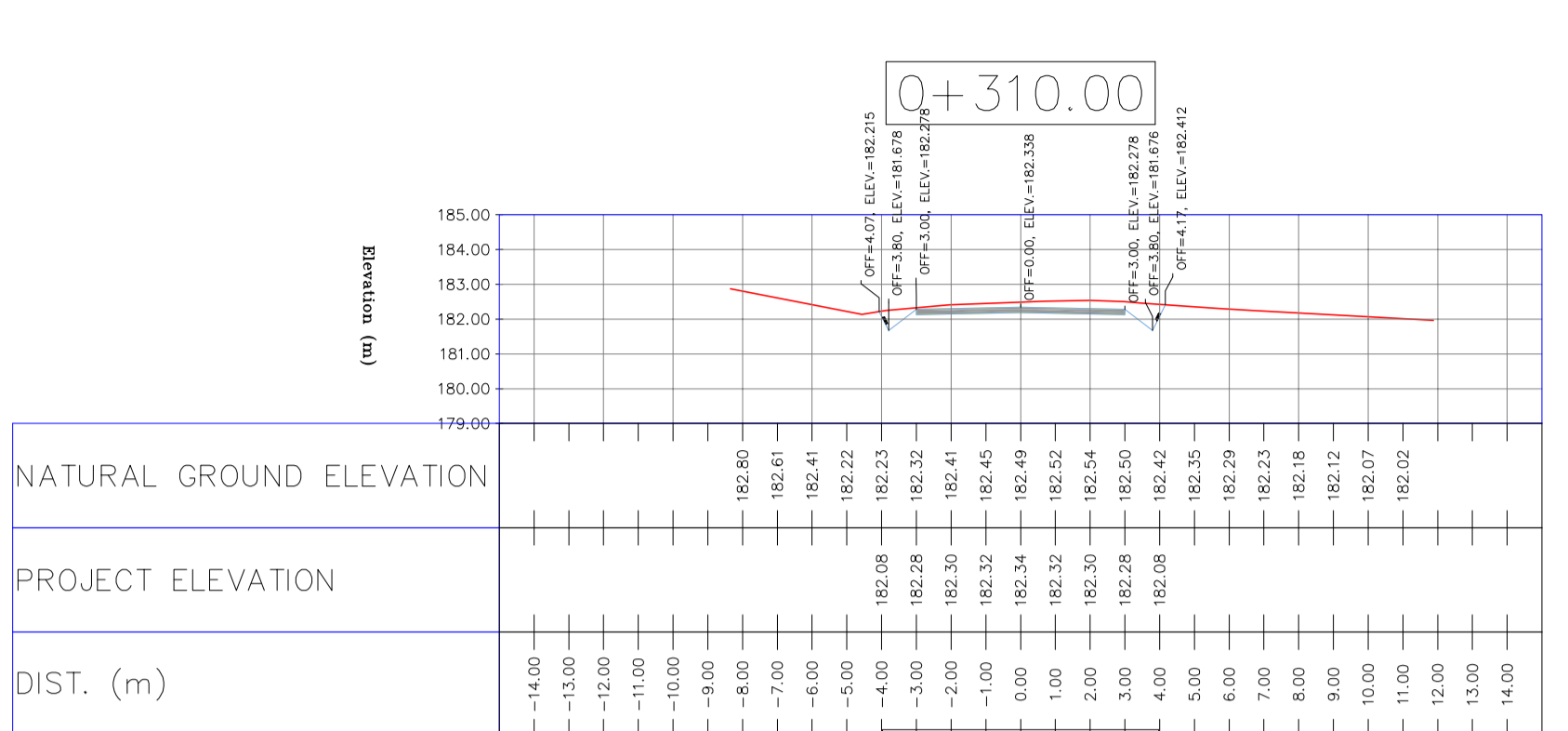
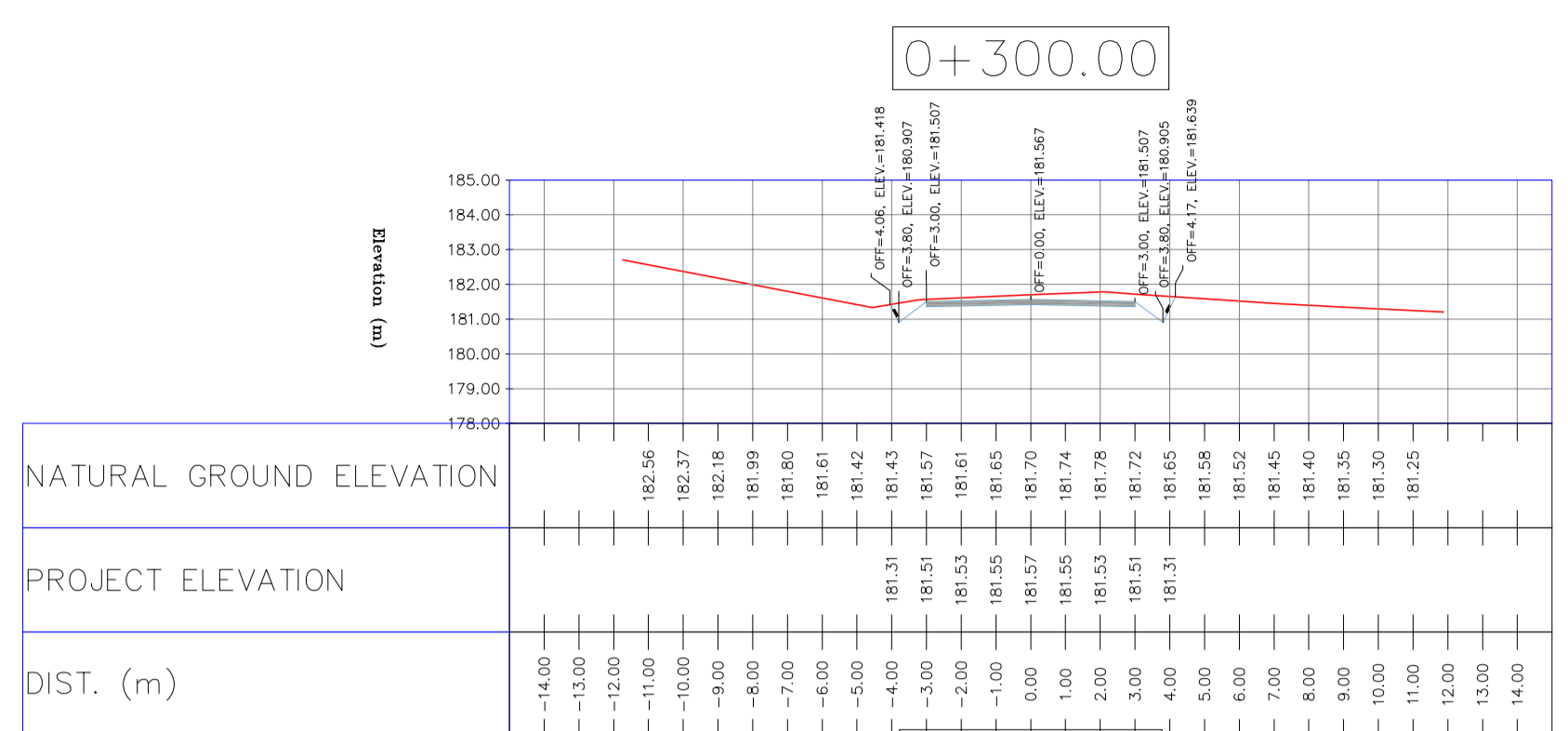
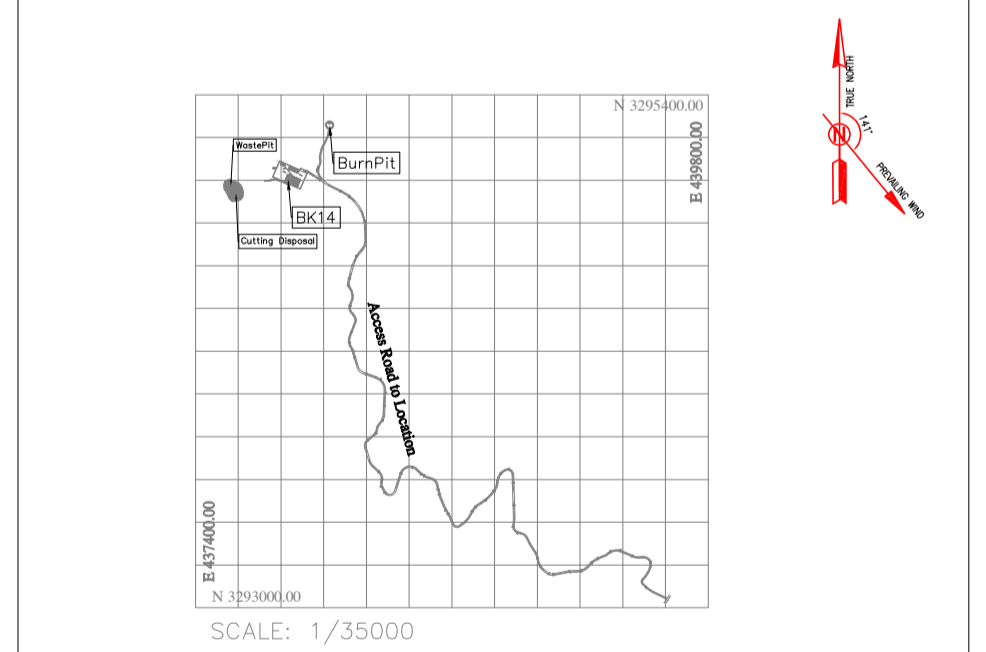


REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV. 2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT. 2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

SCALE: H=1:200 V=1:200

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	33	D04

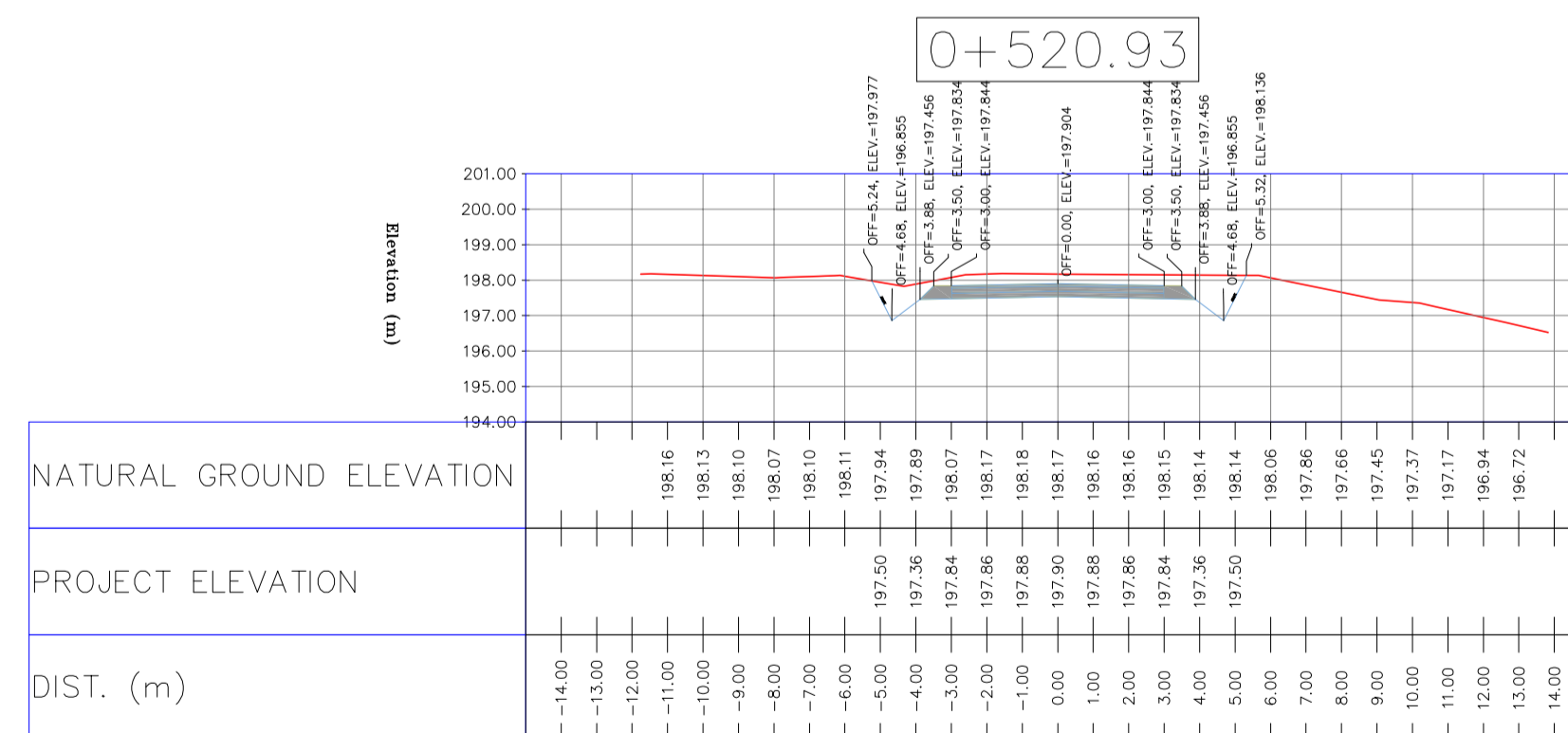
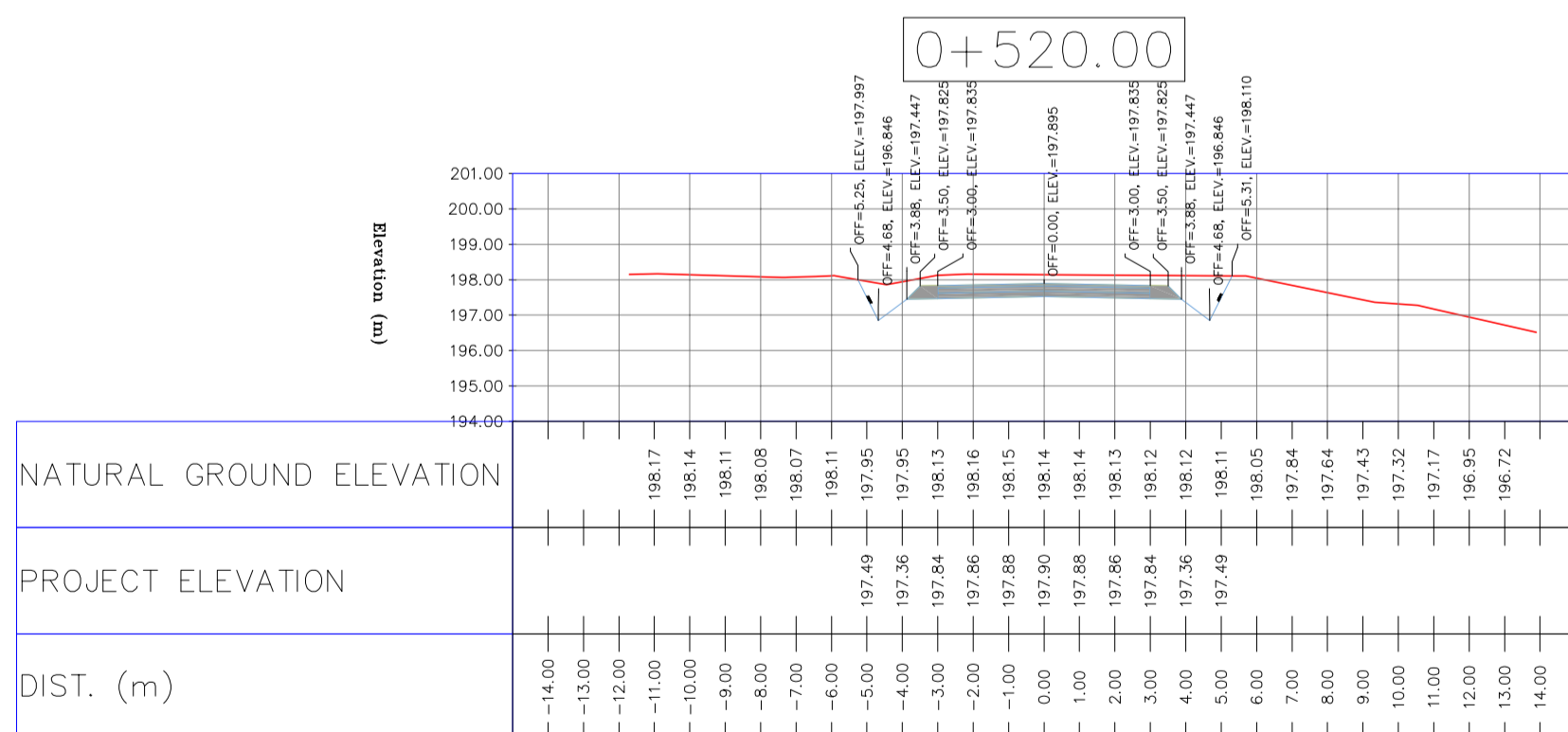
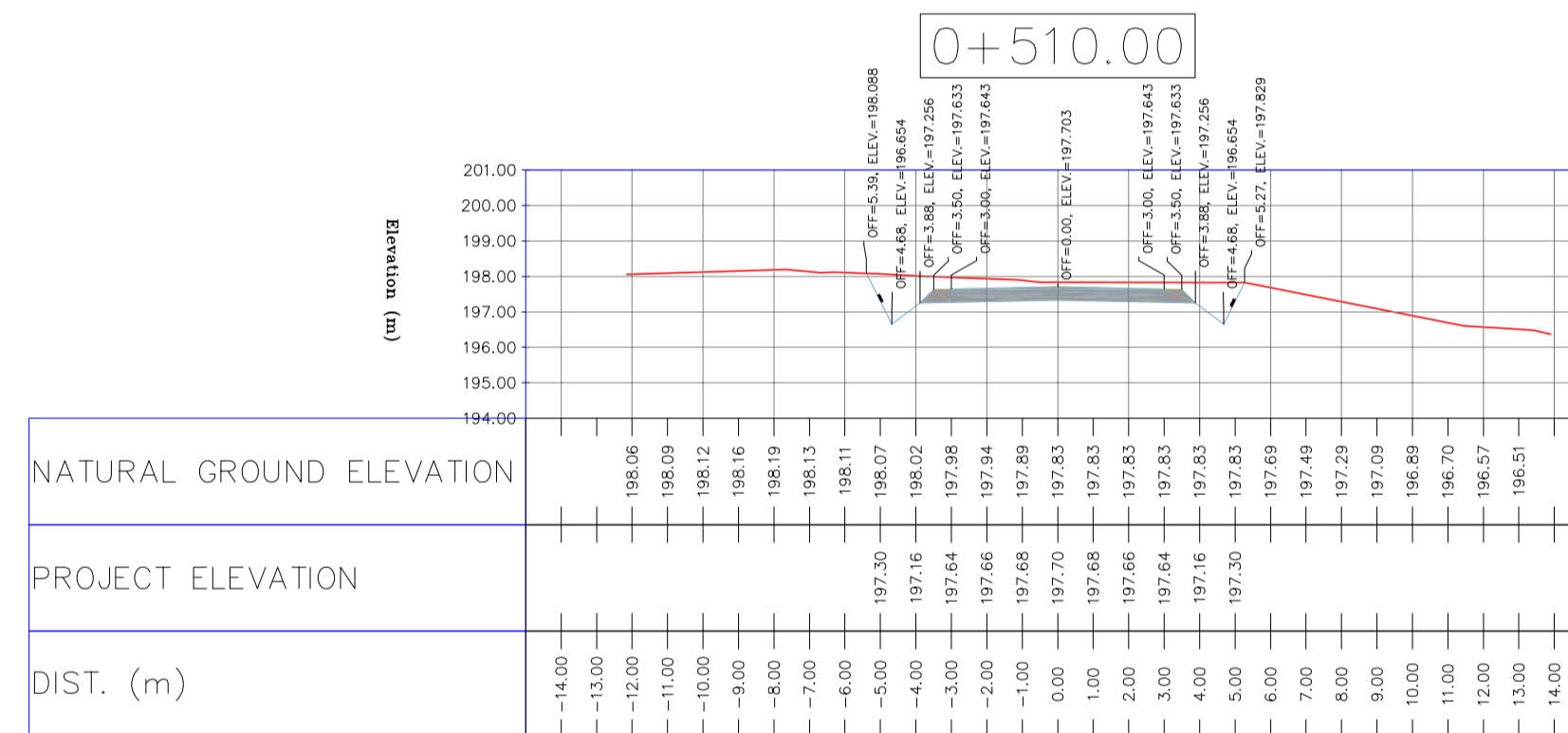
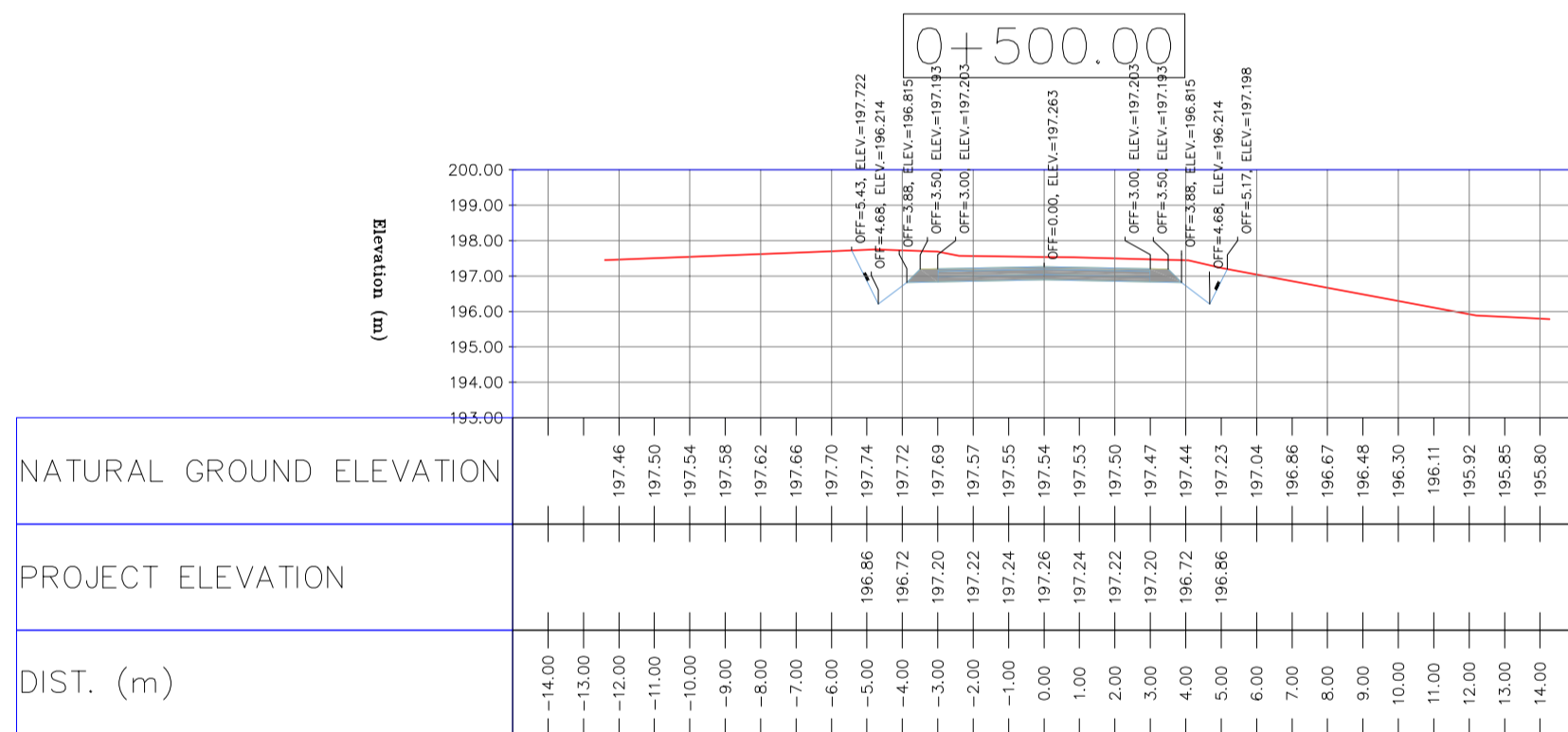
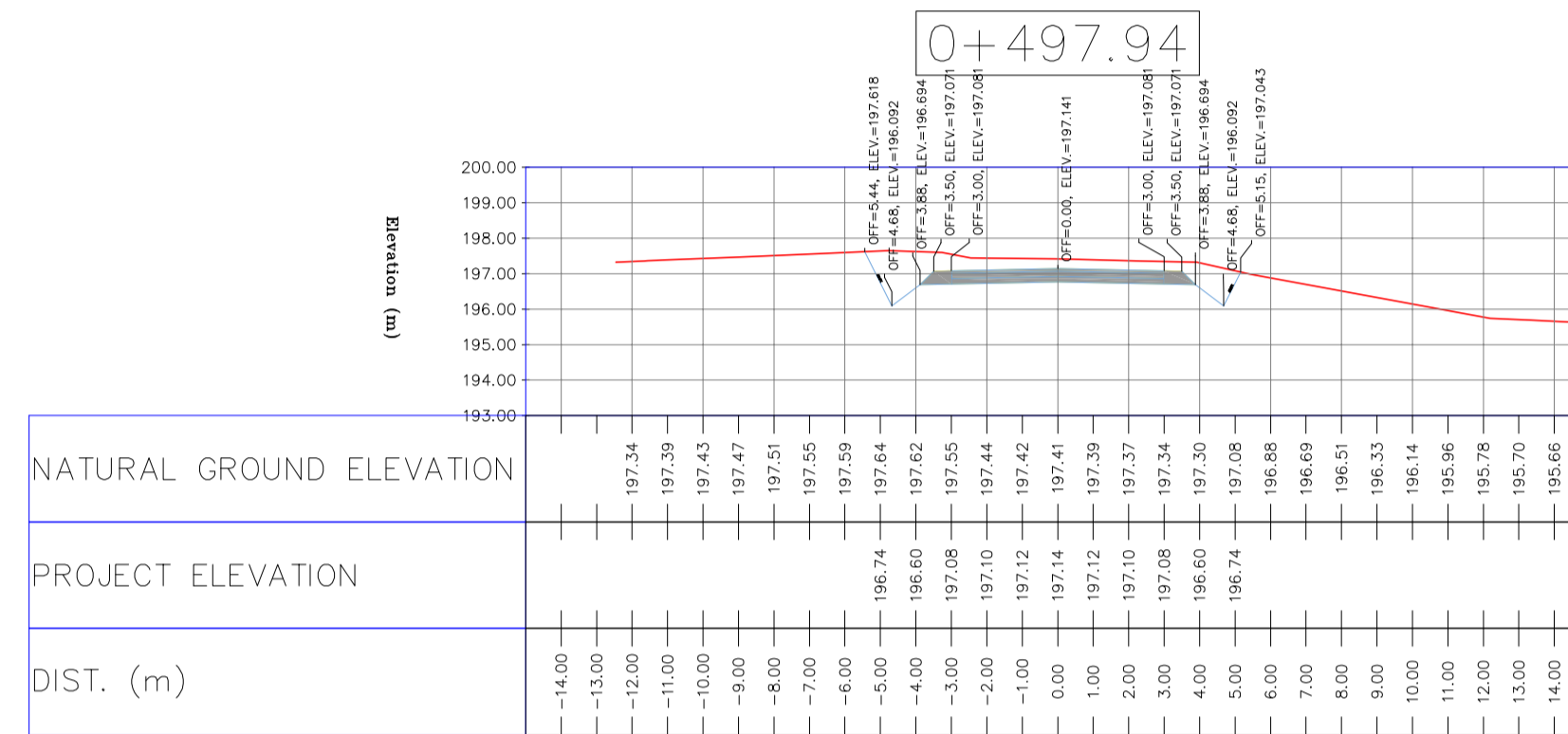
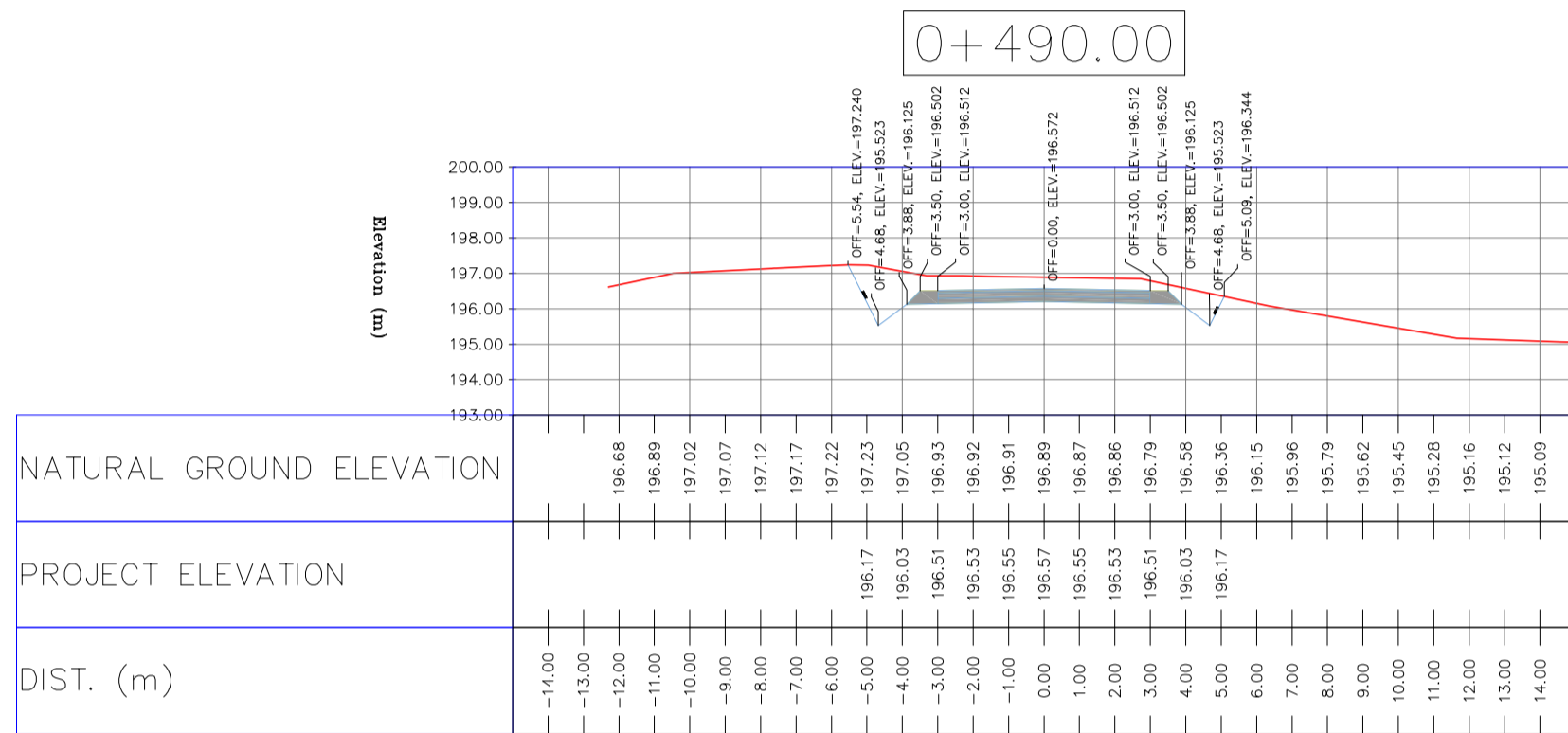
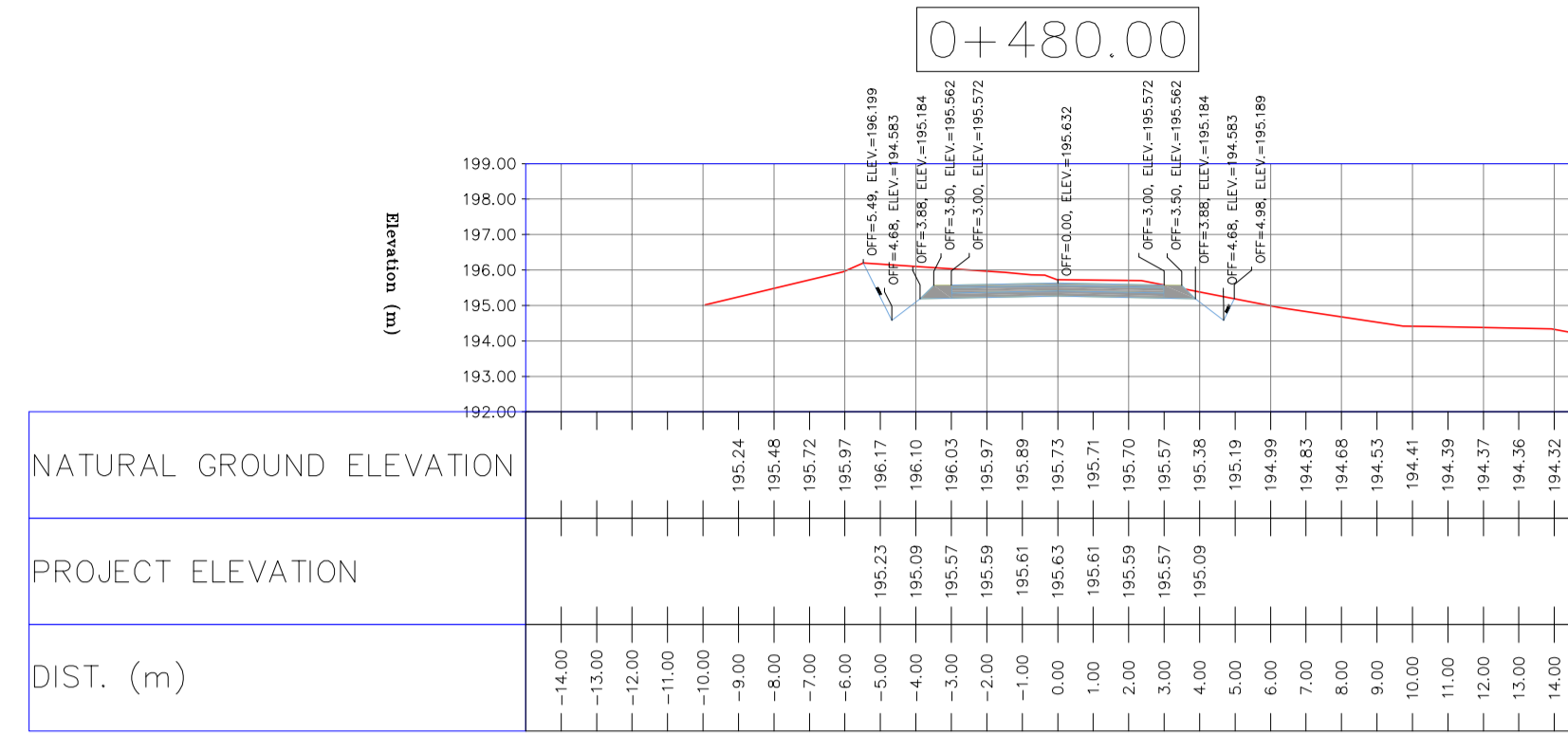
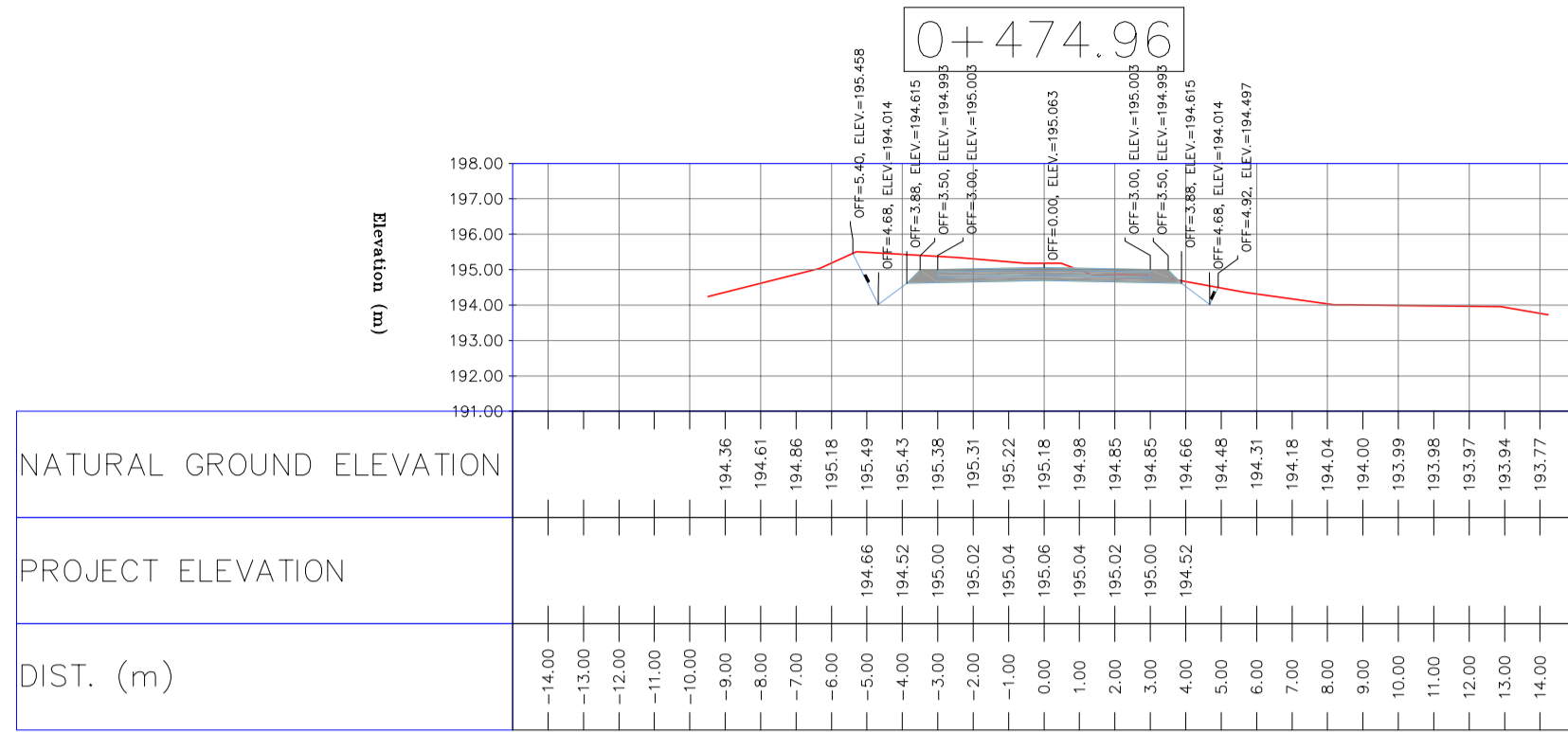
اسل و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:



NOTES

- 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
- 2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 3-GEODEIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- 4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207,
IRAN PLANNING AND BUDGET ORGANIZATION
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK"
DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- 5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

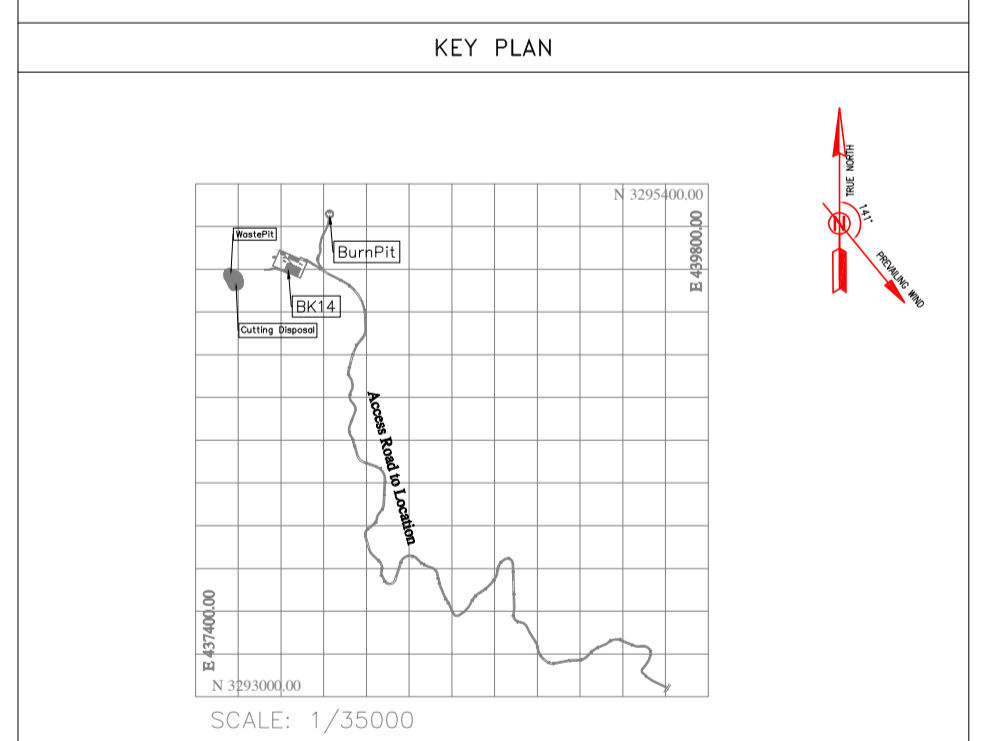
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

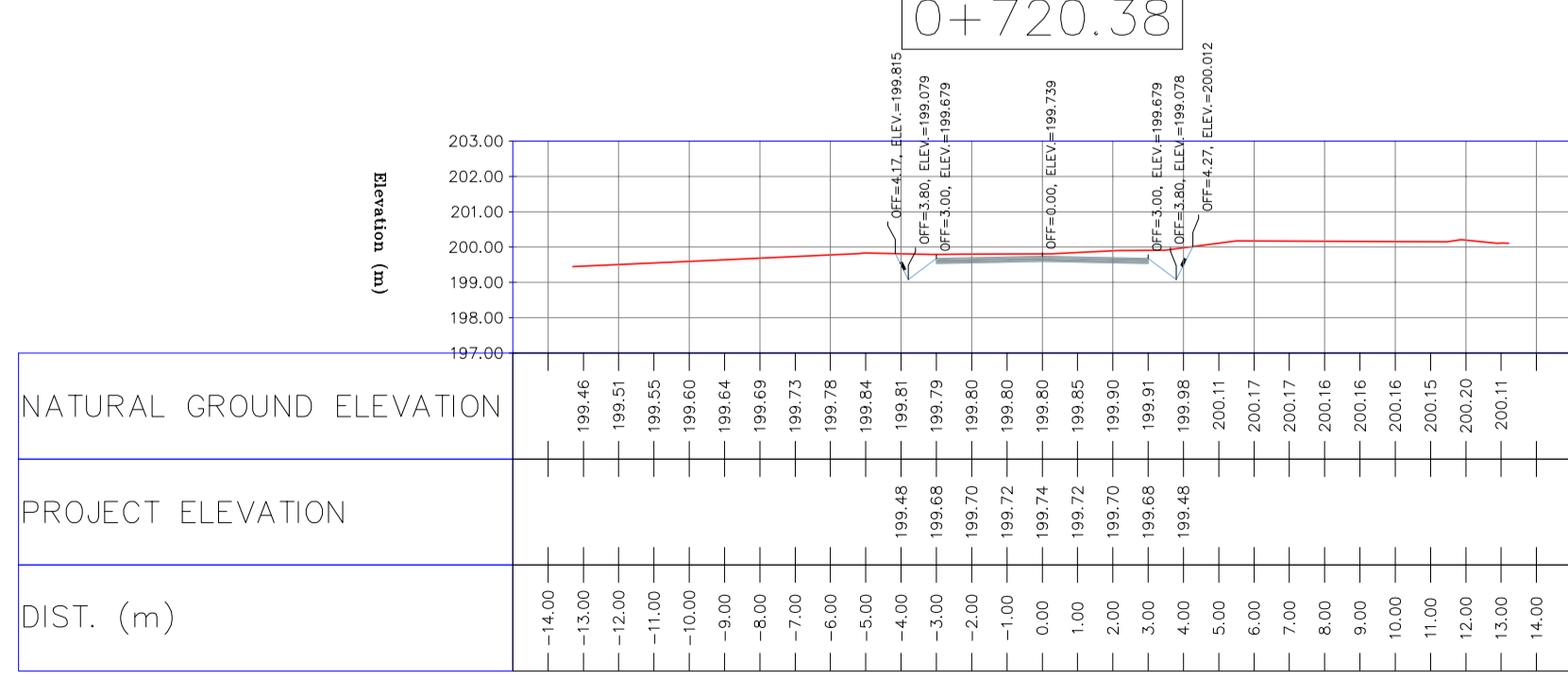
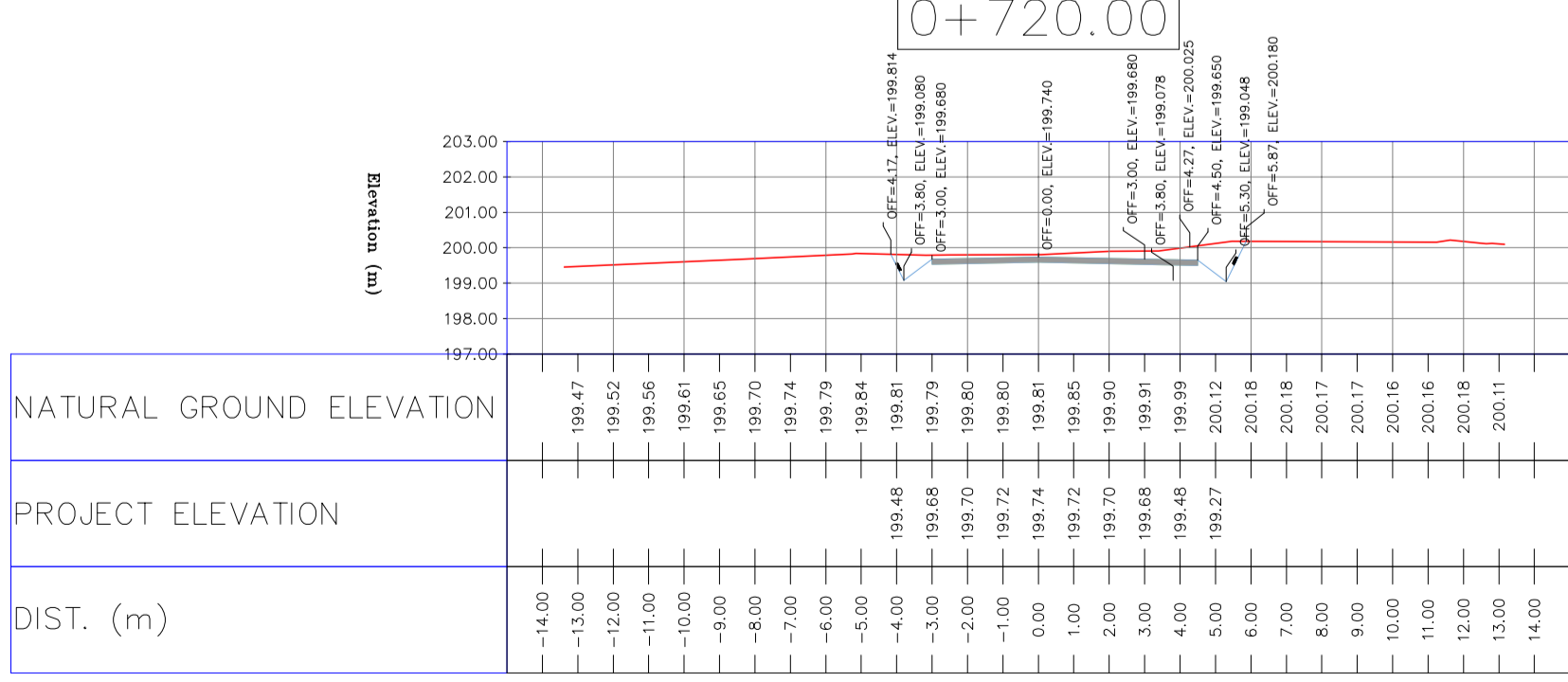
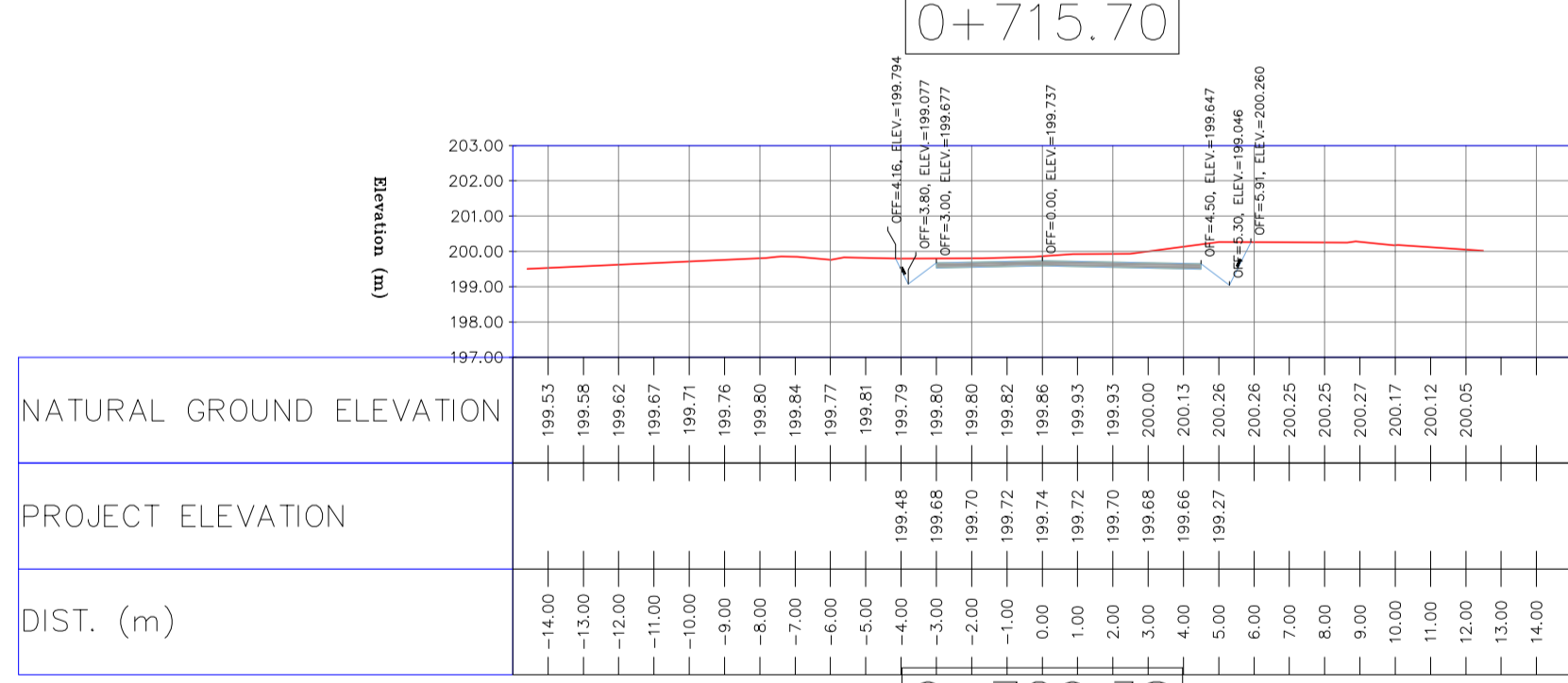
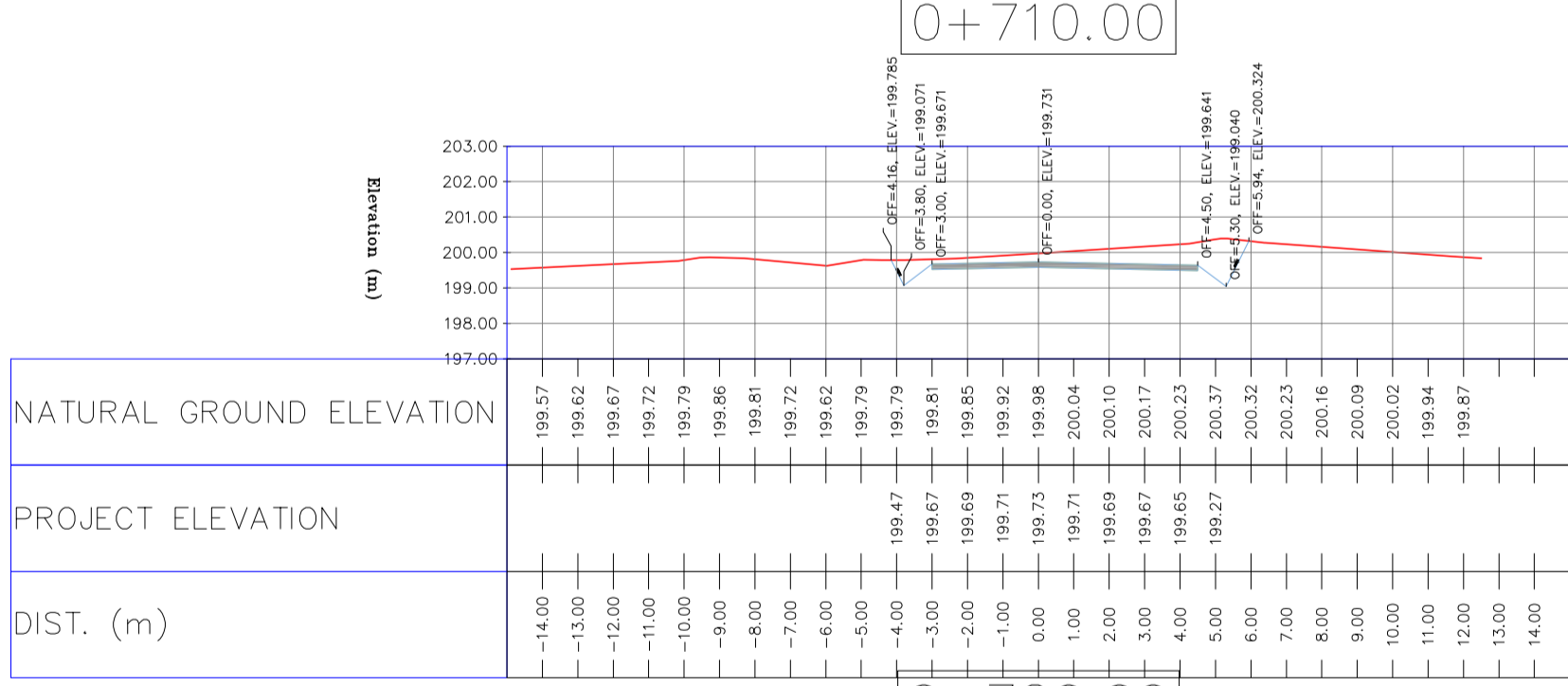
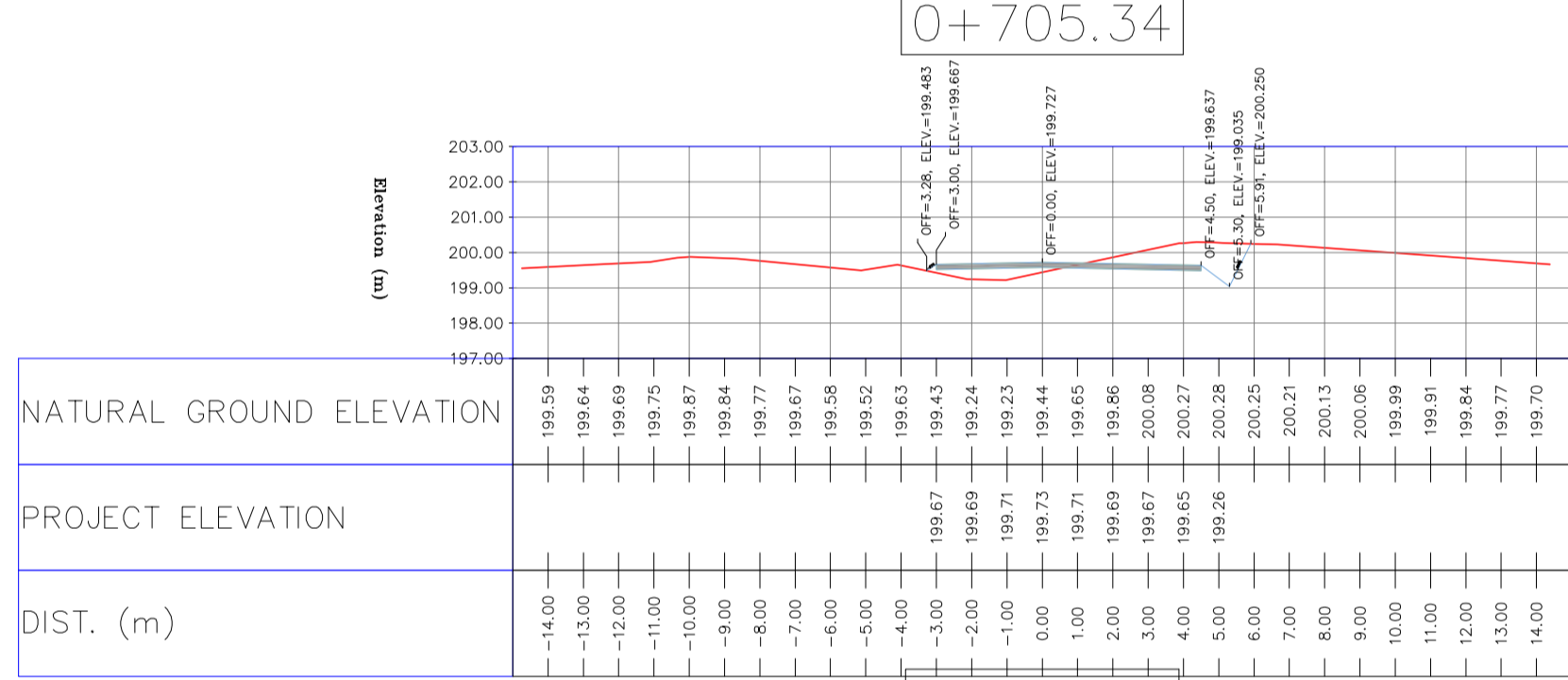
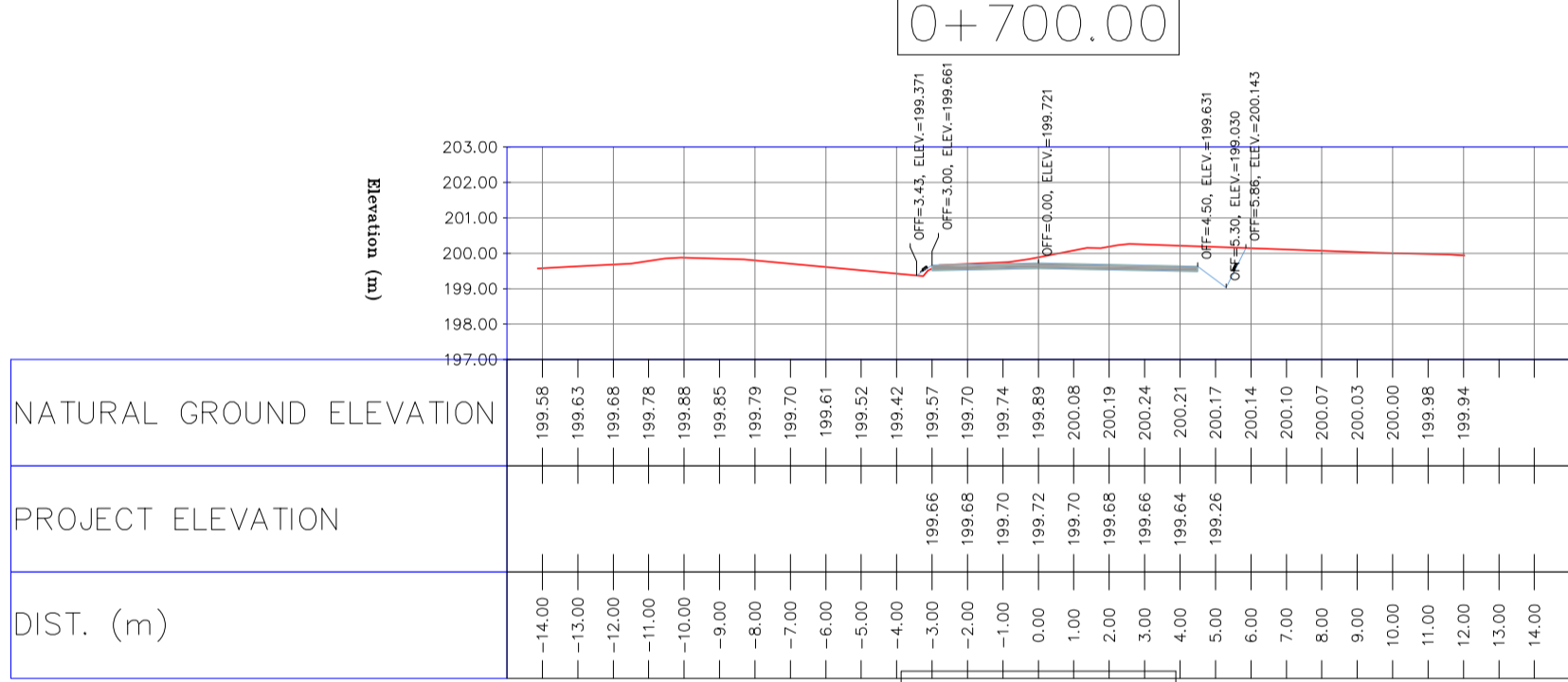
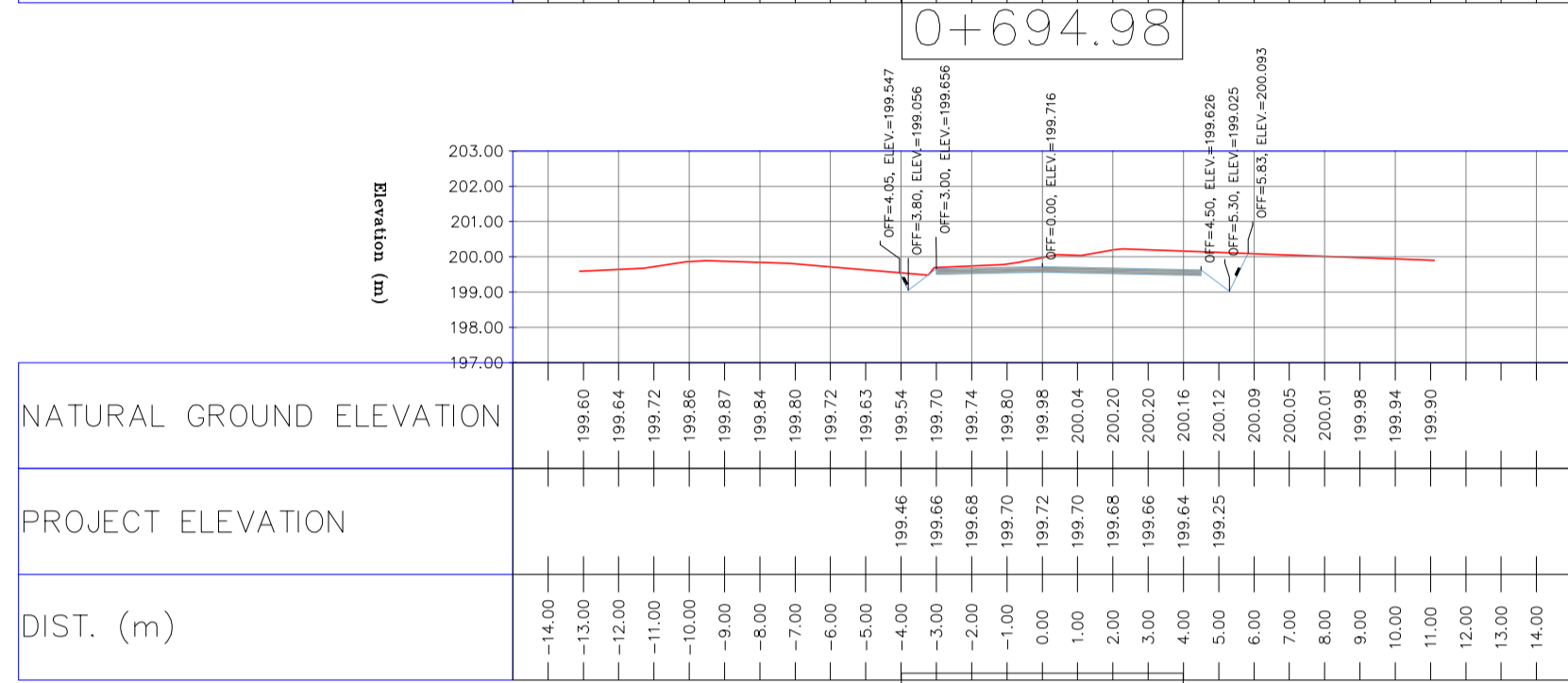
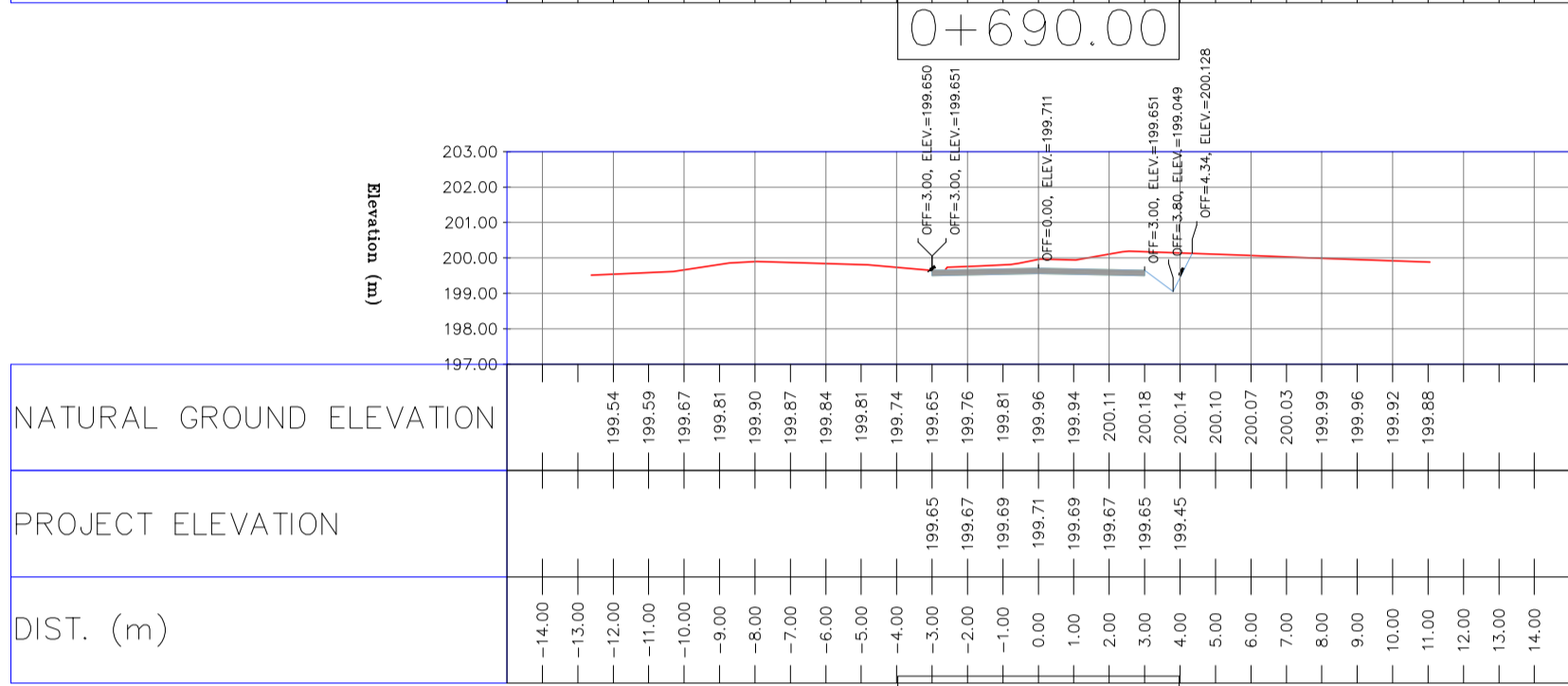
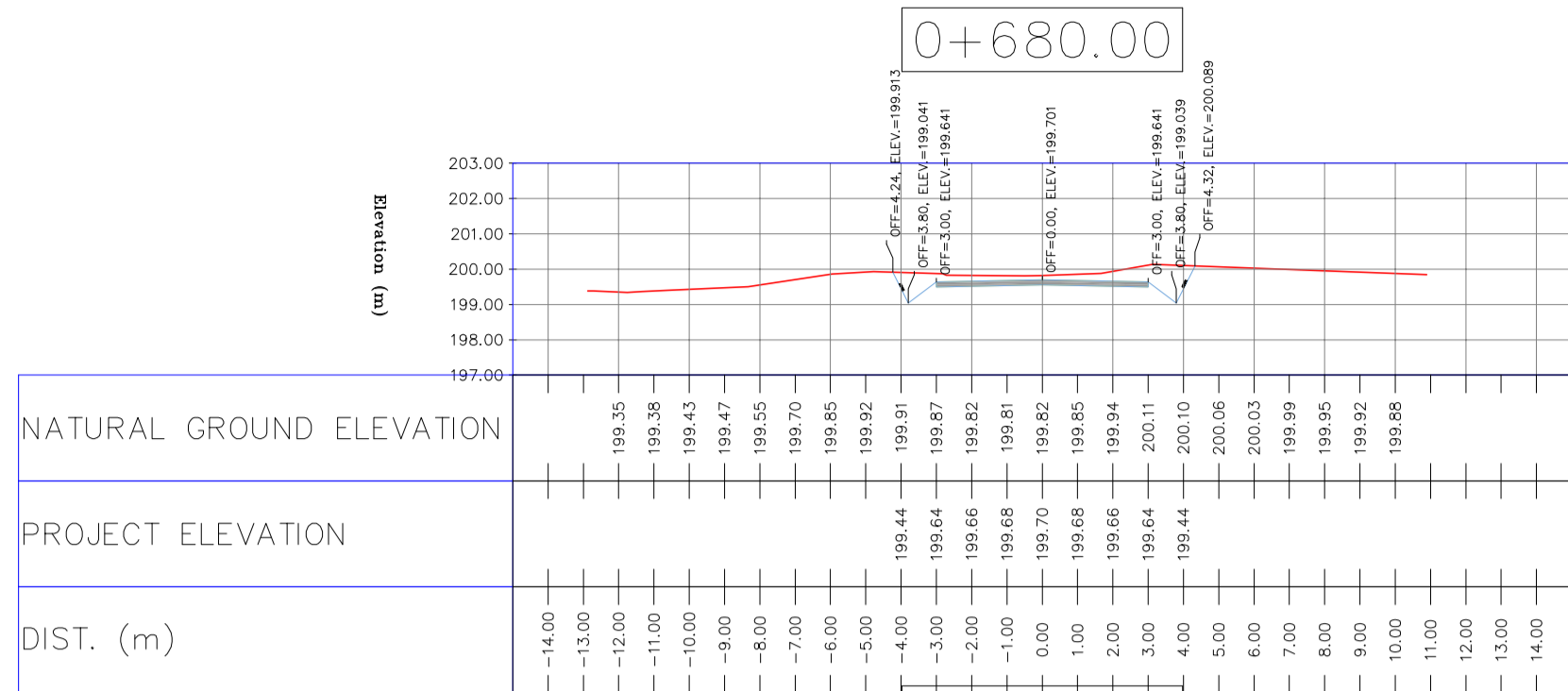
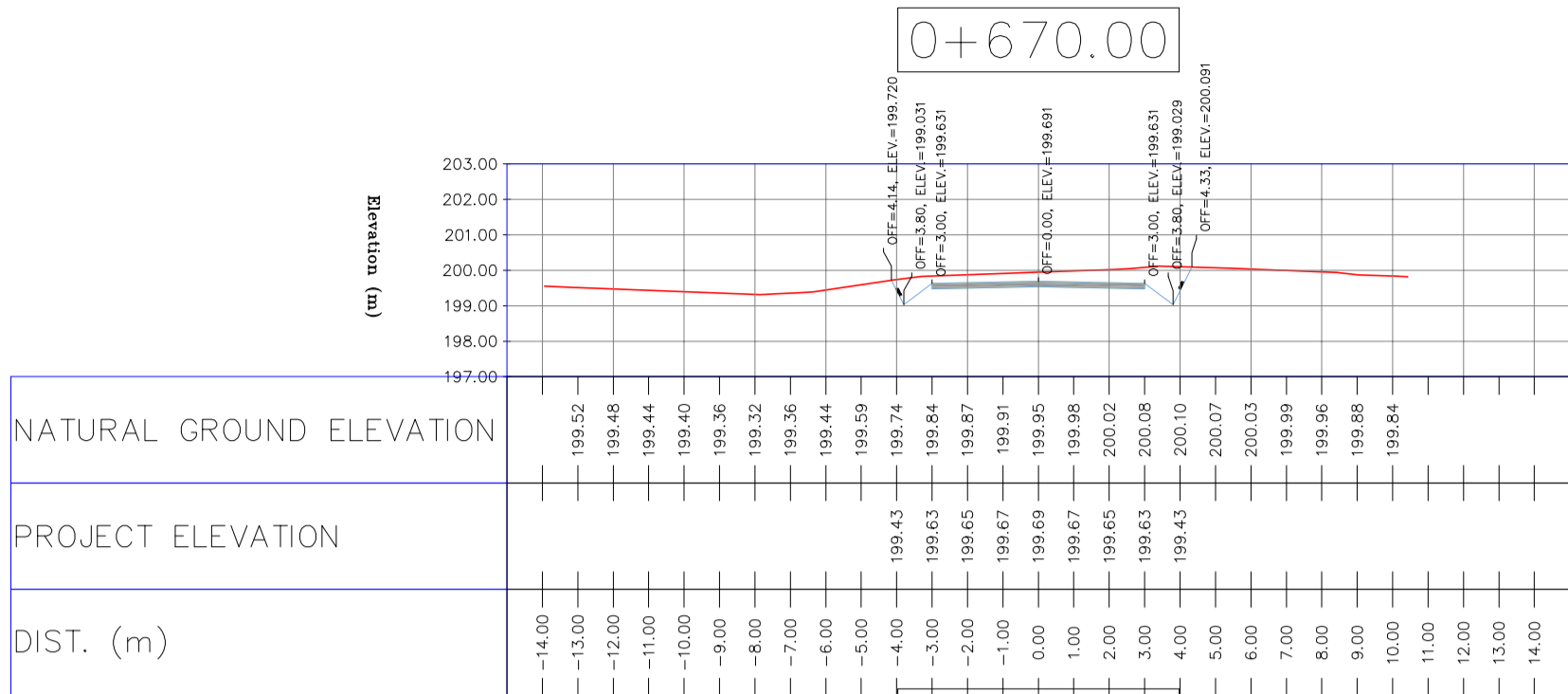
PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIM OF VERTICAL CURVE STATION
 BVCE= BEGIM OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

این سند و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشند.
 THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS											
PROJECT NO.: 971020											
EPC CONTRACTOR: 			EPD/EPC CONTRACTOR(GC): 								
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.							
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14											
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED											
APPROVED FOR CONSTRUCTION			BY:	DATE:							
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	35 OF 98	D04	053-073-9184	F	4	S	708209	35	D04



NOTES
1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
3-GEODEIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207,
- "IRAN PLANNING AND BUDGET ORGANIZATION",
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAI-PEDCO-000-CV-SP-0004"
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN....) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

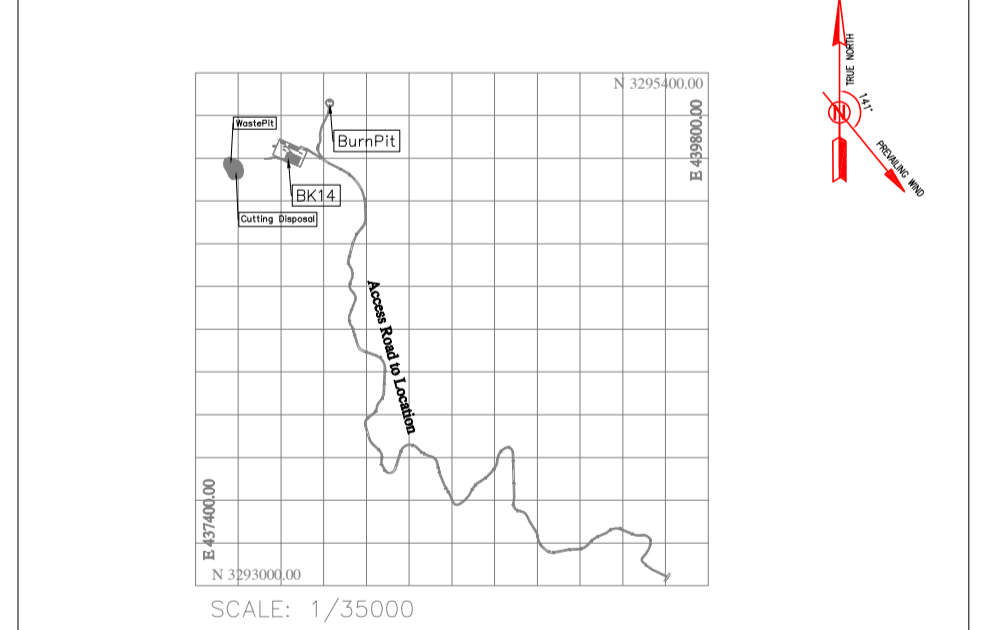
LEGEND

(Symbol)	WELL LOCATION	(Symbol)	CANAL
(Symbol)	WELL	(Symbol)	RIVER
(Symbol)	SITE	(Symbol)	WATER COURSE
(Symbol)	CAMP SITE	(Symbol)	CONTOURS
(Symbol)	ASPHALT ROAD	(Symbol)	SPOT HEIGHT
(Symbol)	GRAVEL ROAD	(Symbol)	BENCH MARK
(Symbol)	PROPOSED ROAD	(Symbol)	BRIDGE
(Symbol)	DAYLIGHT	(Symbol)	CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAI-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAI-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRAI-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION
PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGIM OF VERTICAL CURVE STATION
BVCE= BEGIM OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	REV.	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
PROJECT NO.: 971020

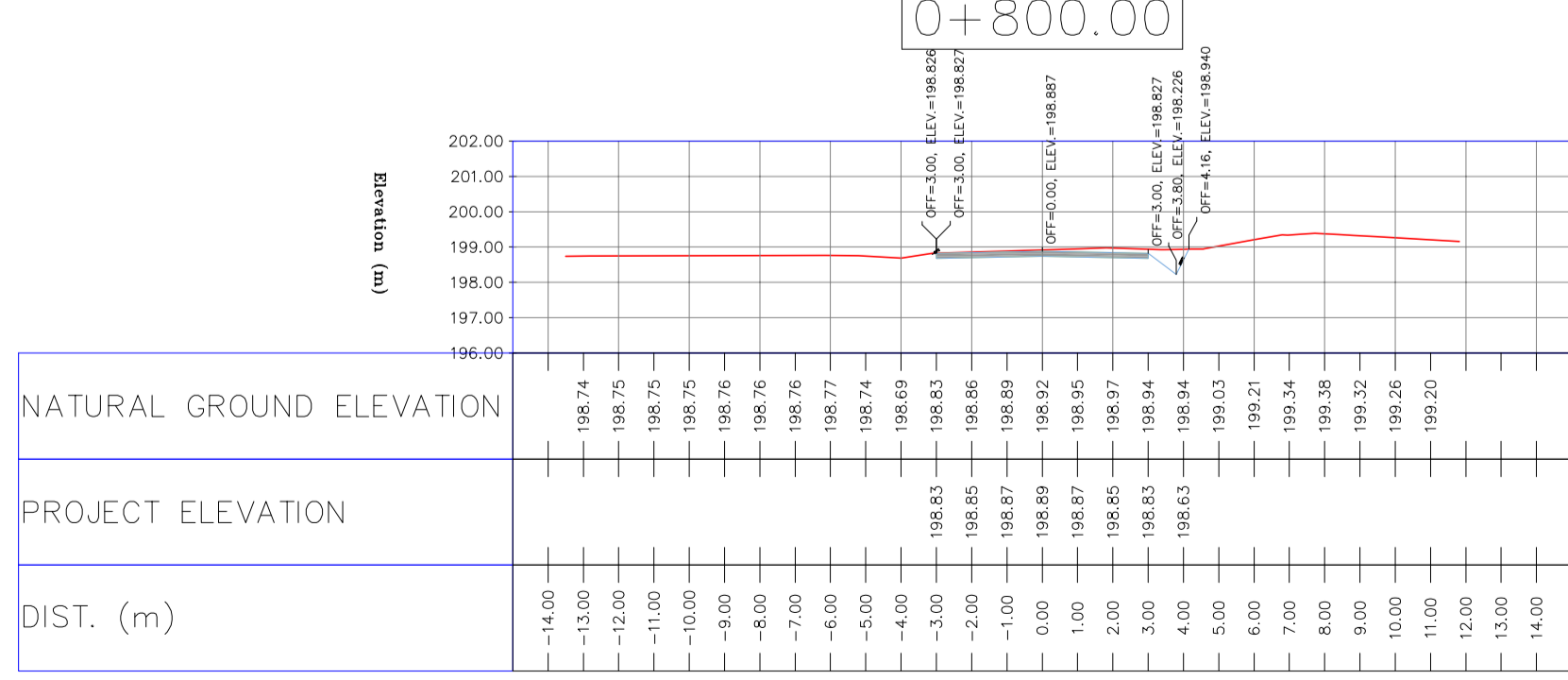
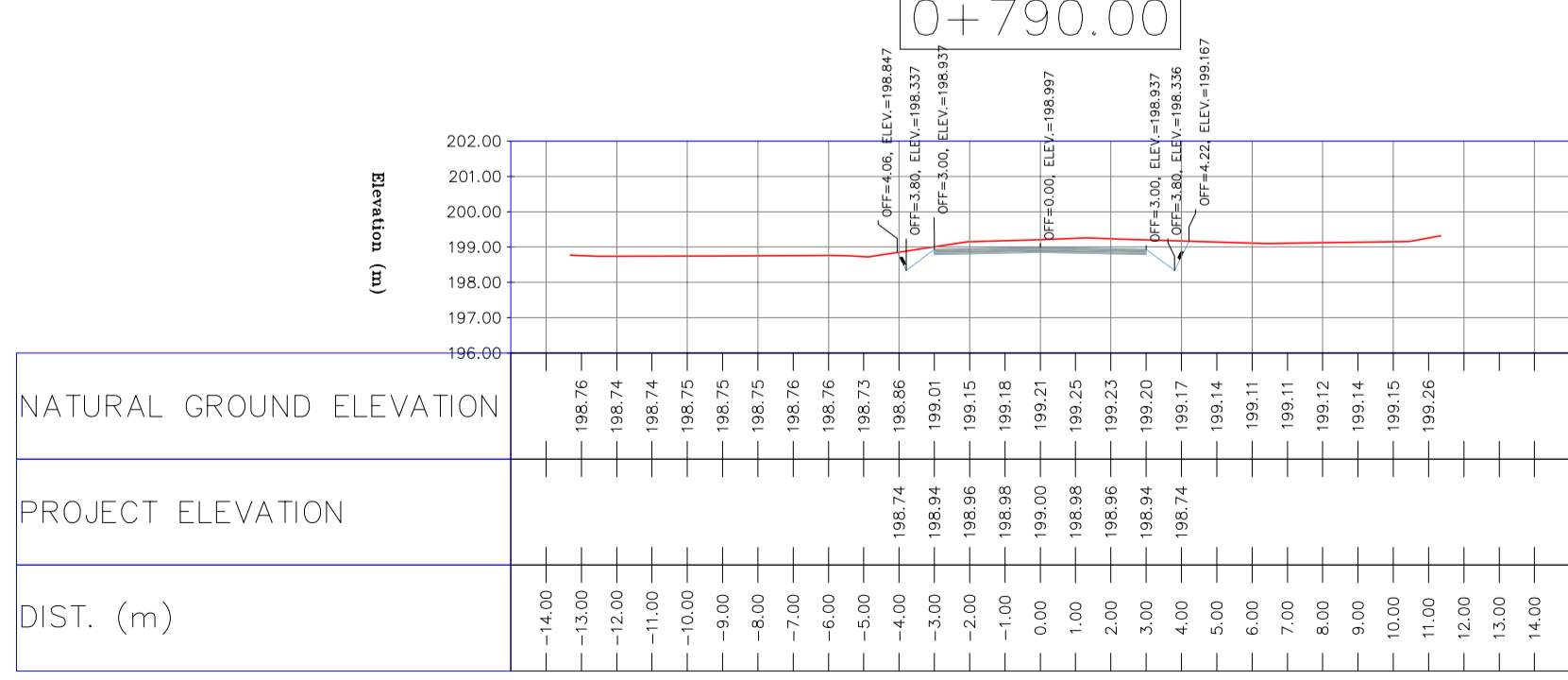
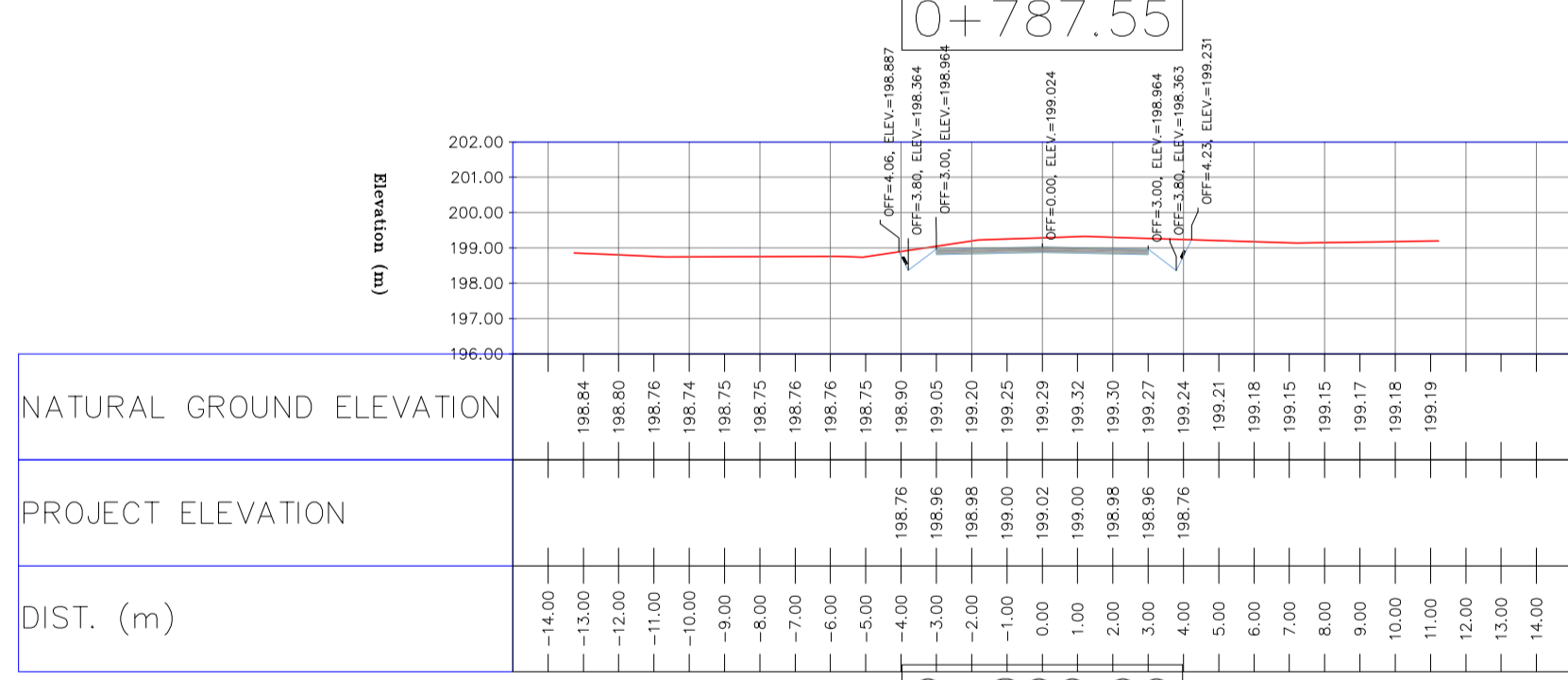
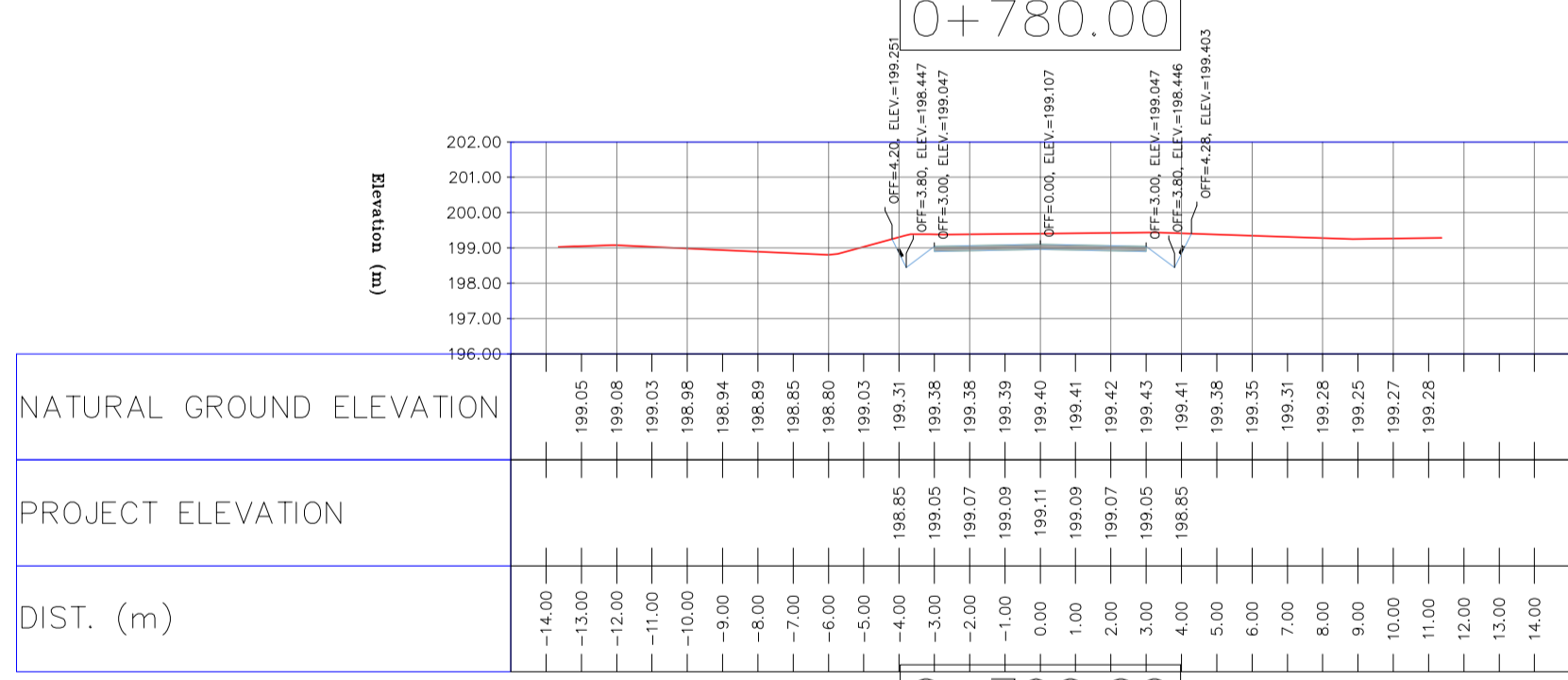
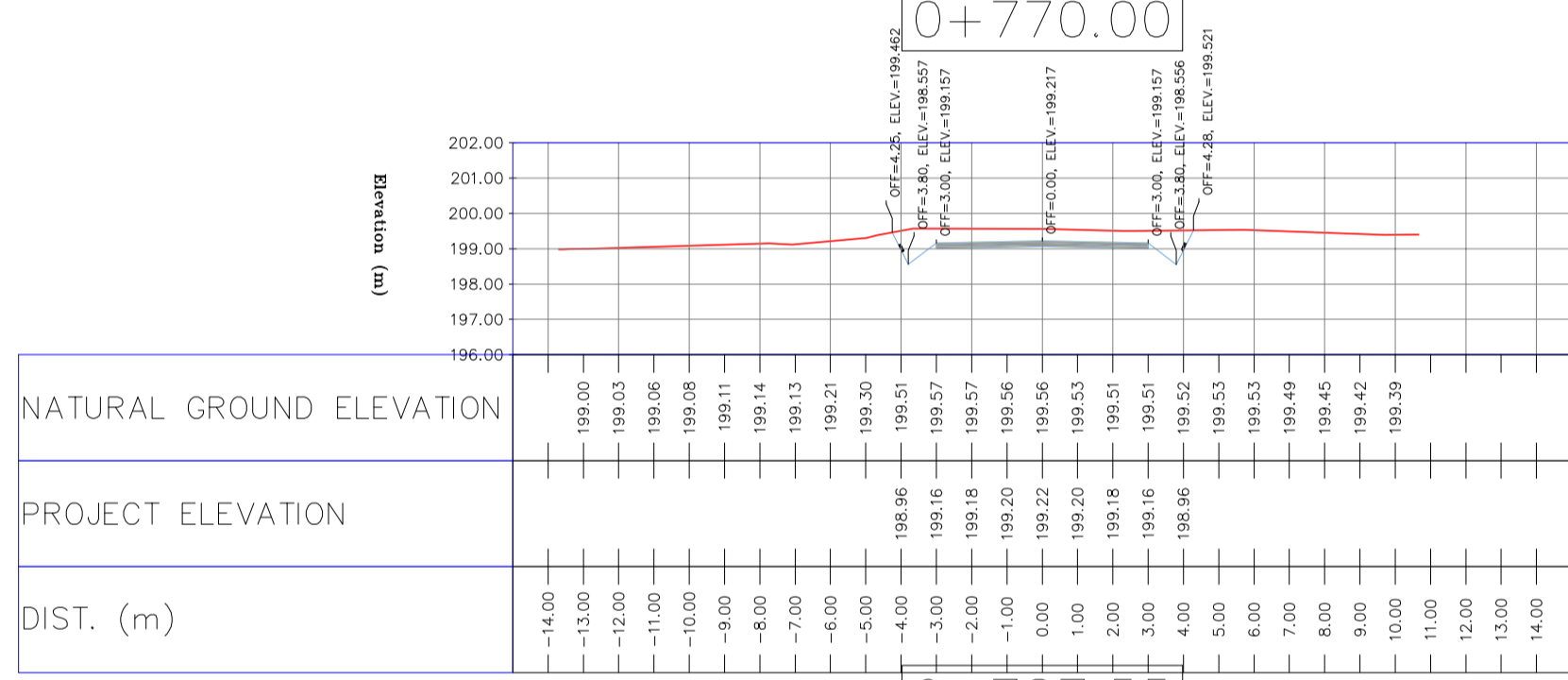
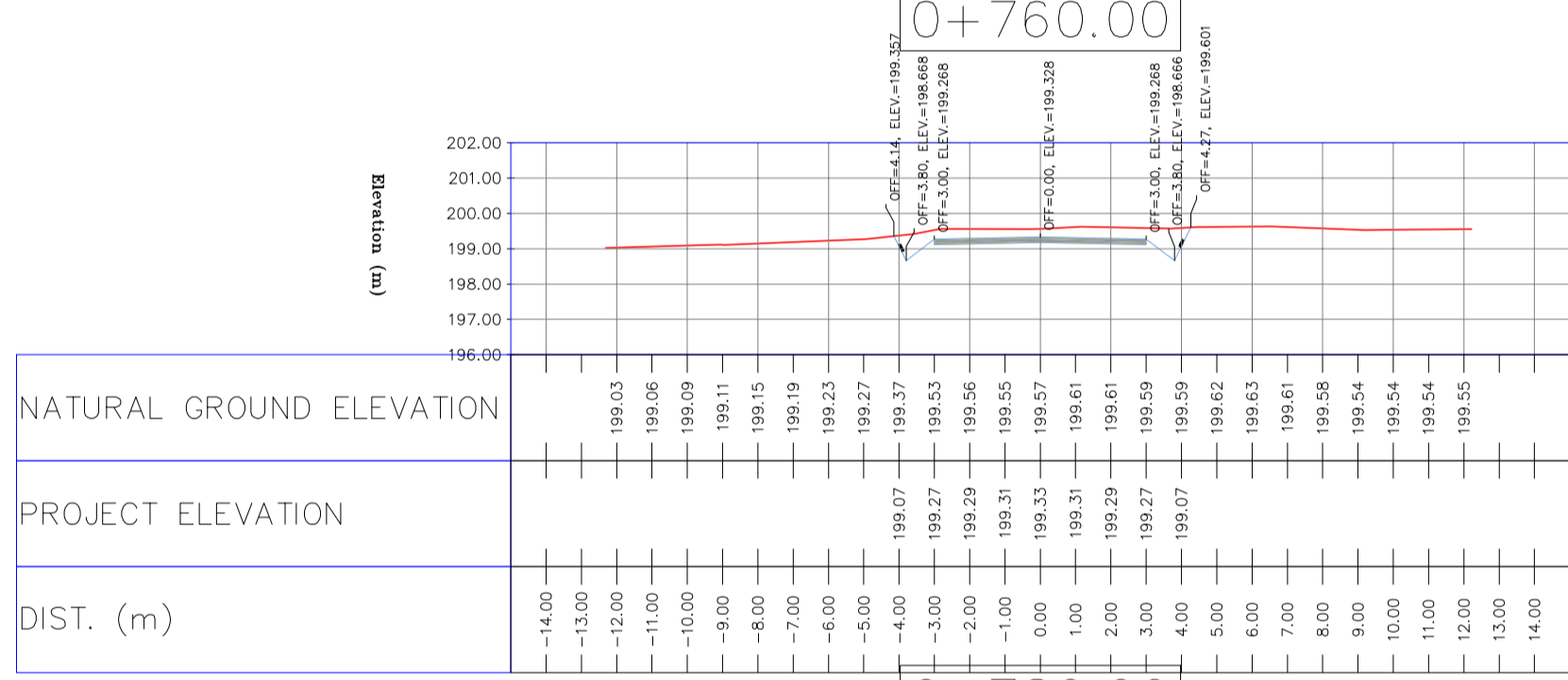
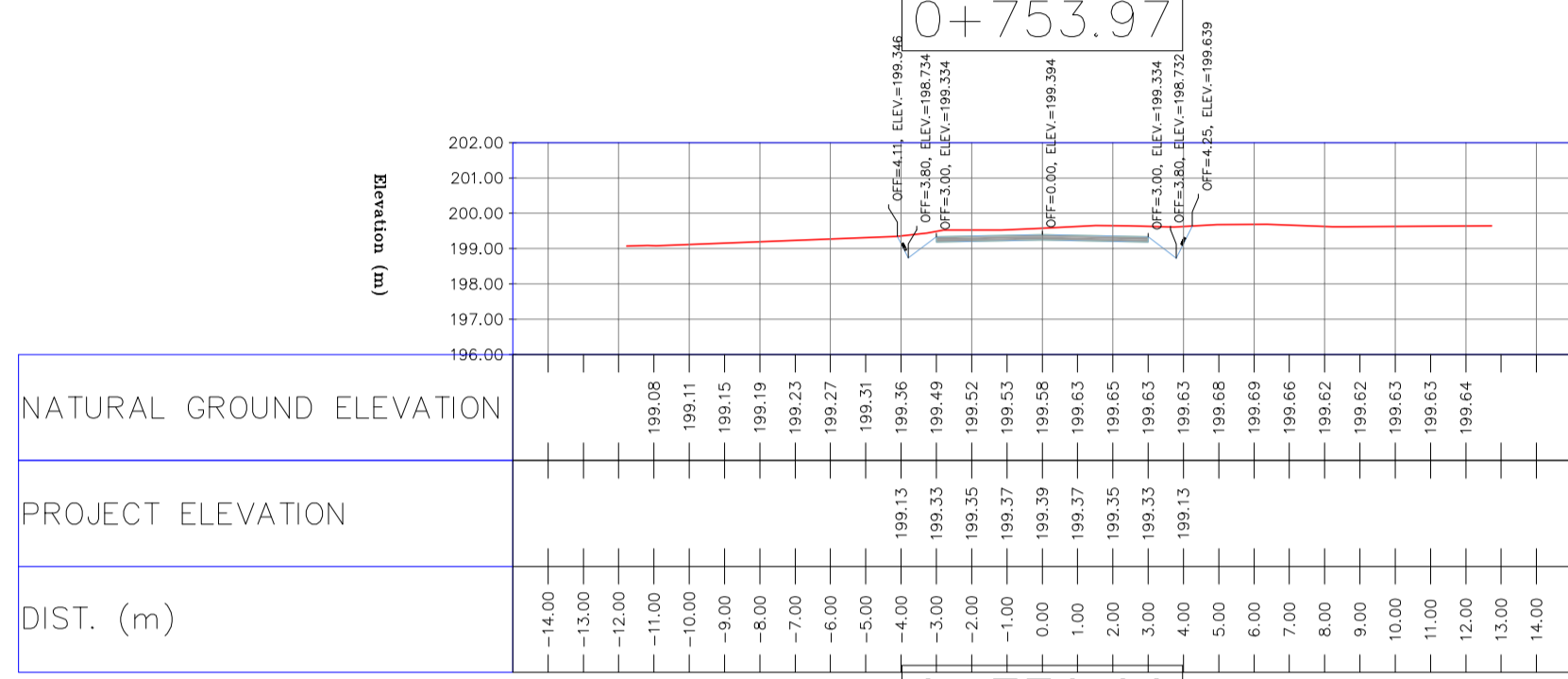
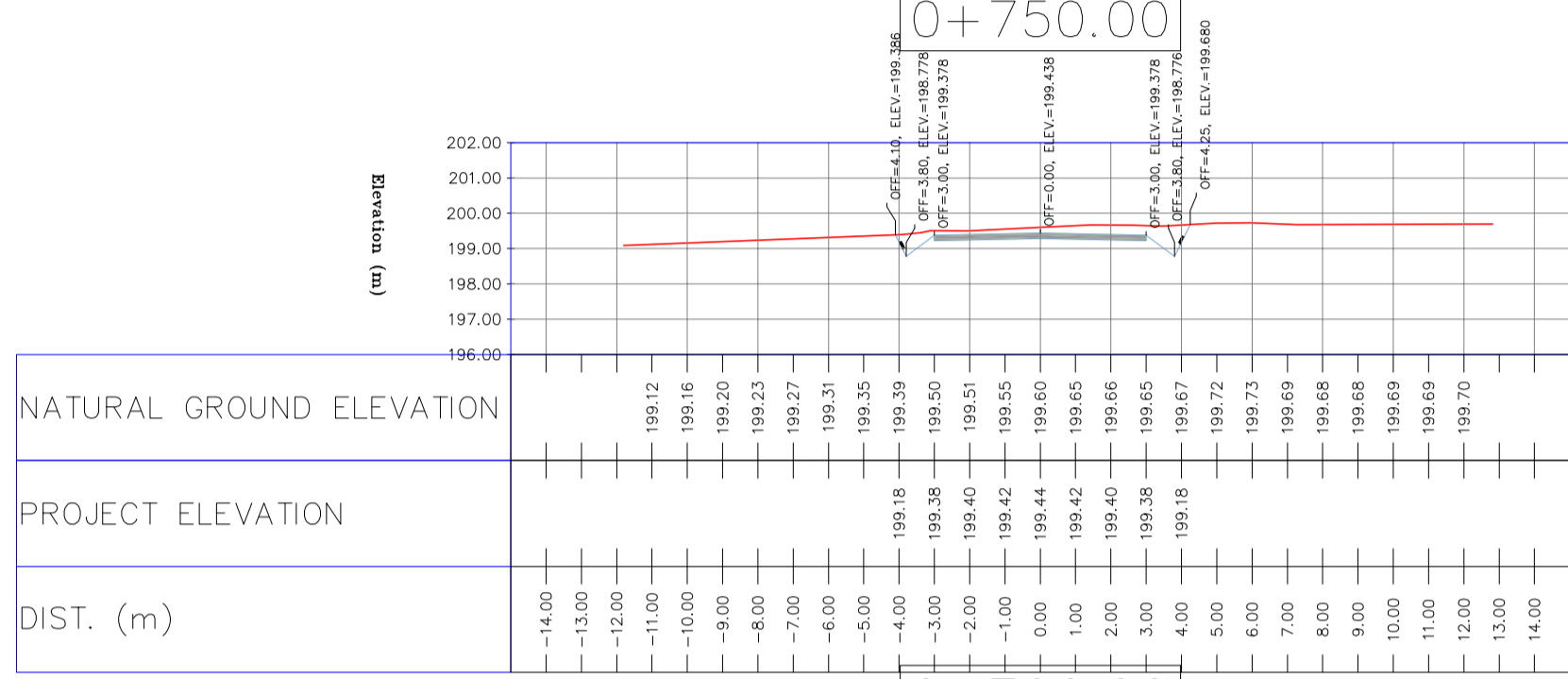
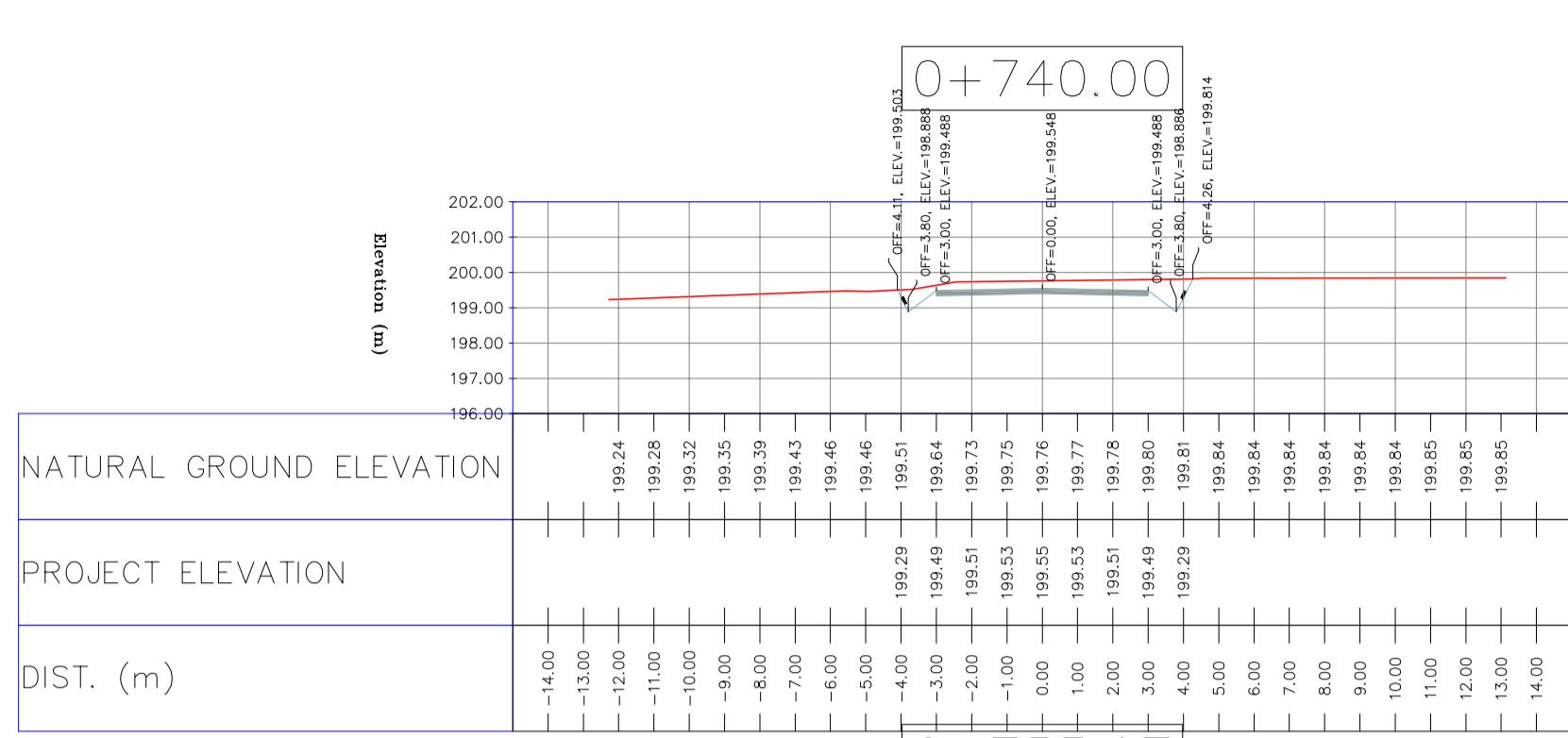
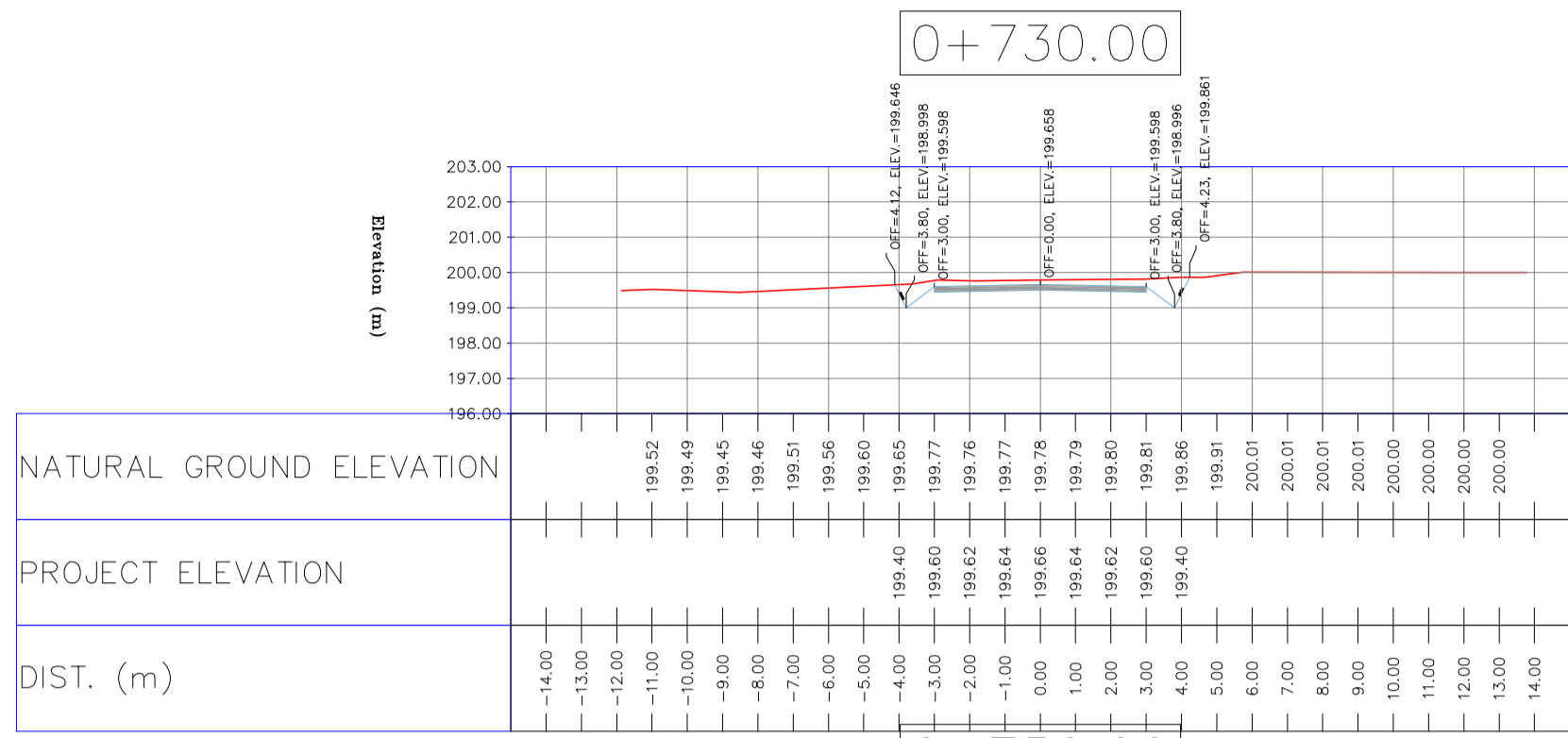
EPC CONTRACTOR: **HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES**

EPD/EPC CONTRACTOR(GC): **PETROIRAN DEVELOPMENT COMPANY**

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	38 OF 98	D04	053-073-9184	F	4	S	708209	38	D04



NOTES

1-ALL COORDINATES AND ELEVATIONS ARE IN METER.

2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.

3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL

4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.

5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN....) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

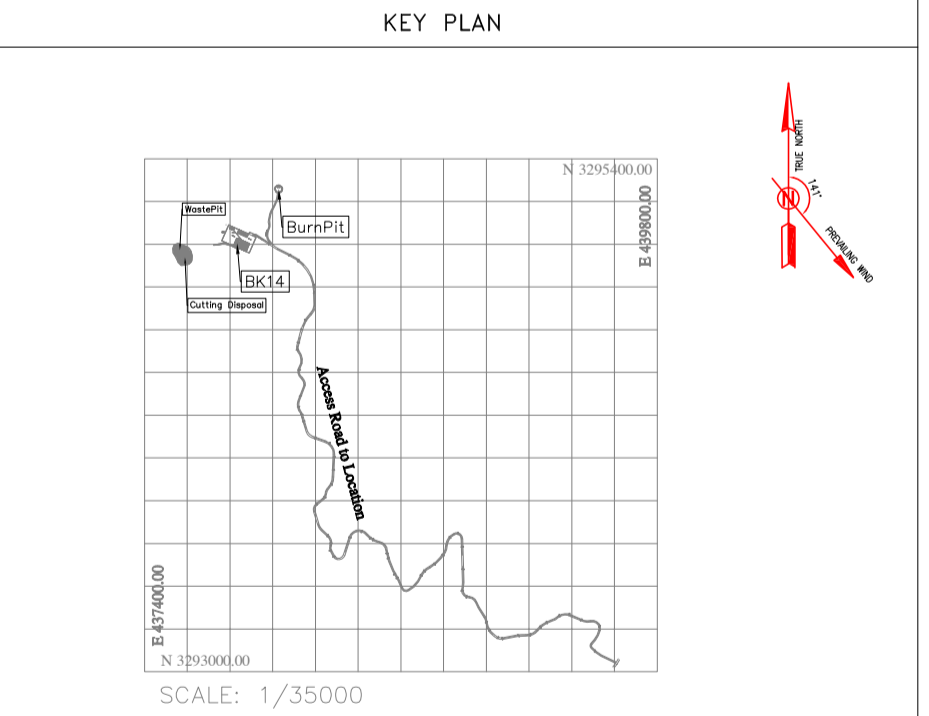
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGIN OF VERTICAL CURVE STATION
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV. 2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT. 2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	39 OF 98	D04	053-073-9184	F	4	S	708209	39	D04

اهل و كليه نسخ اين نقشه و حق امتياز منطبق به شرکت ملی مناطق نفت خيز جنوب ميباشند.

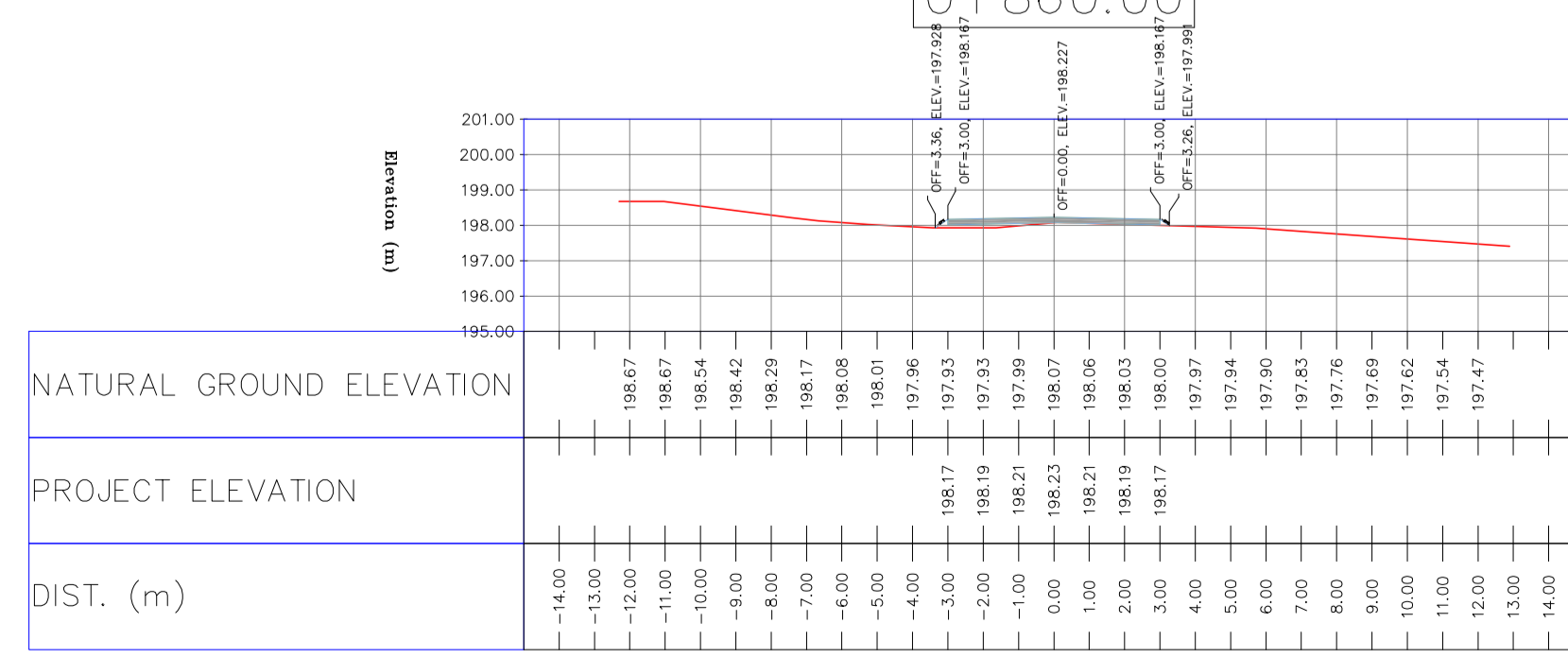
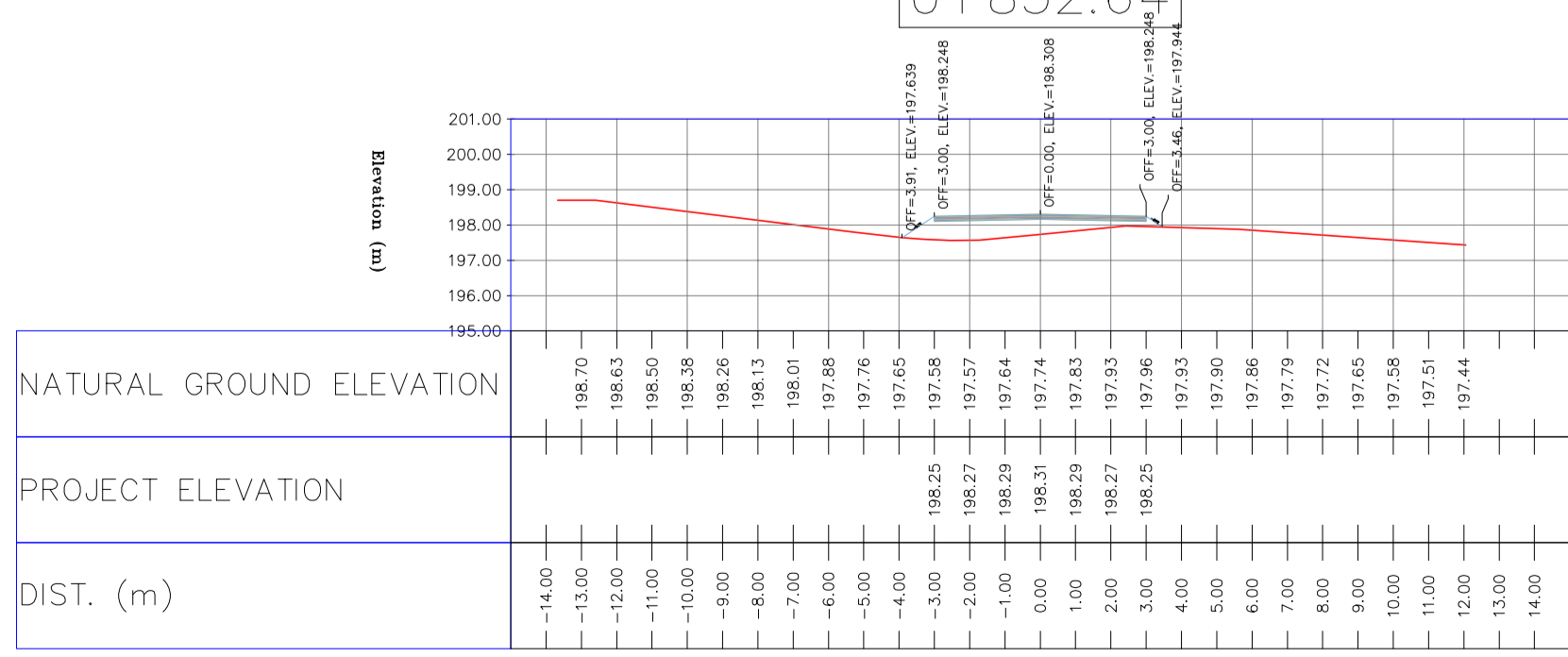
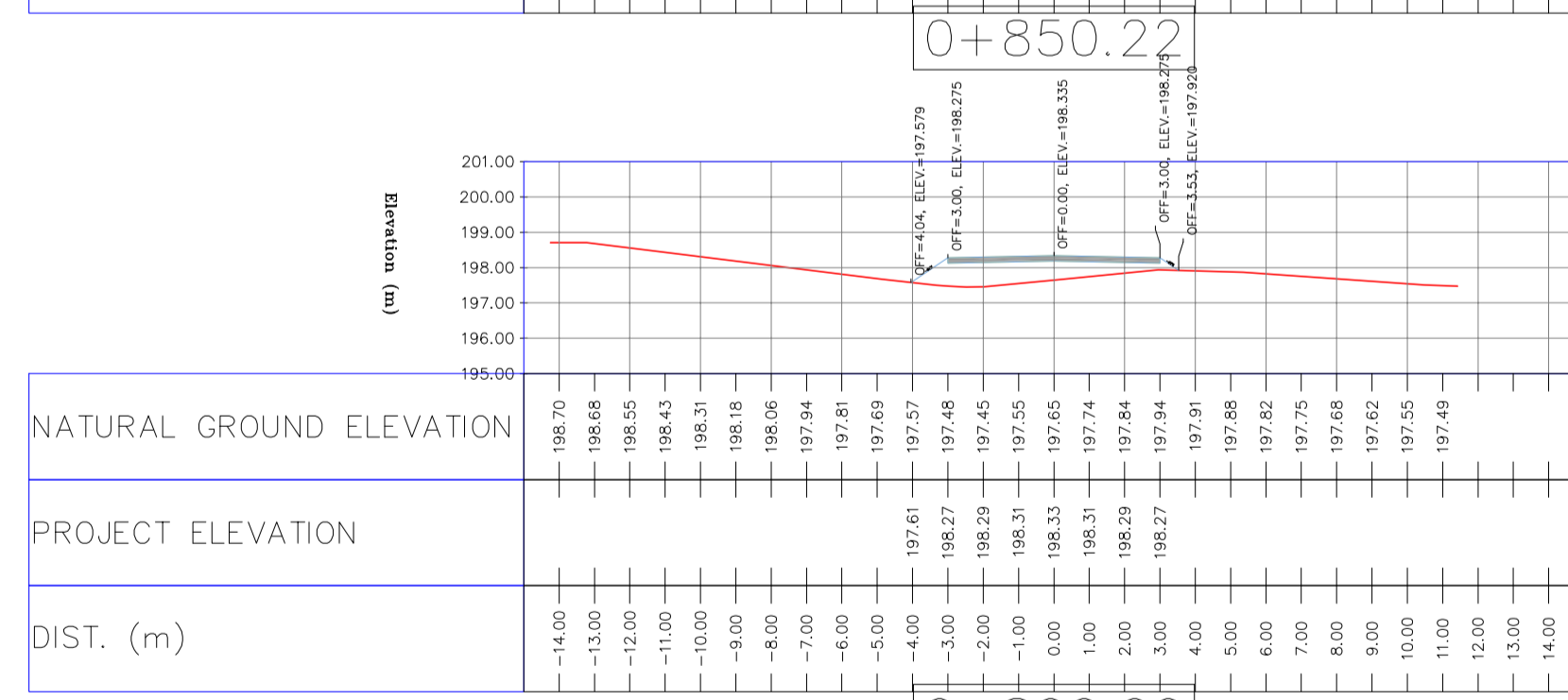
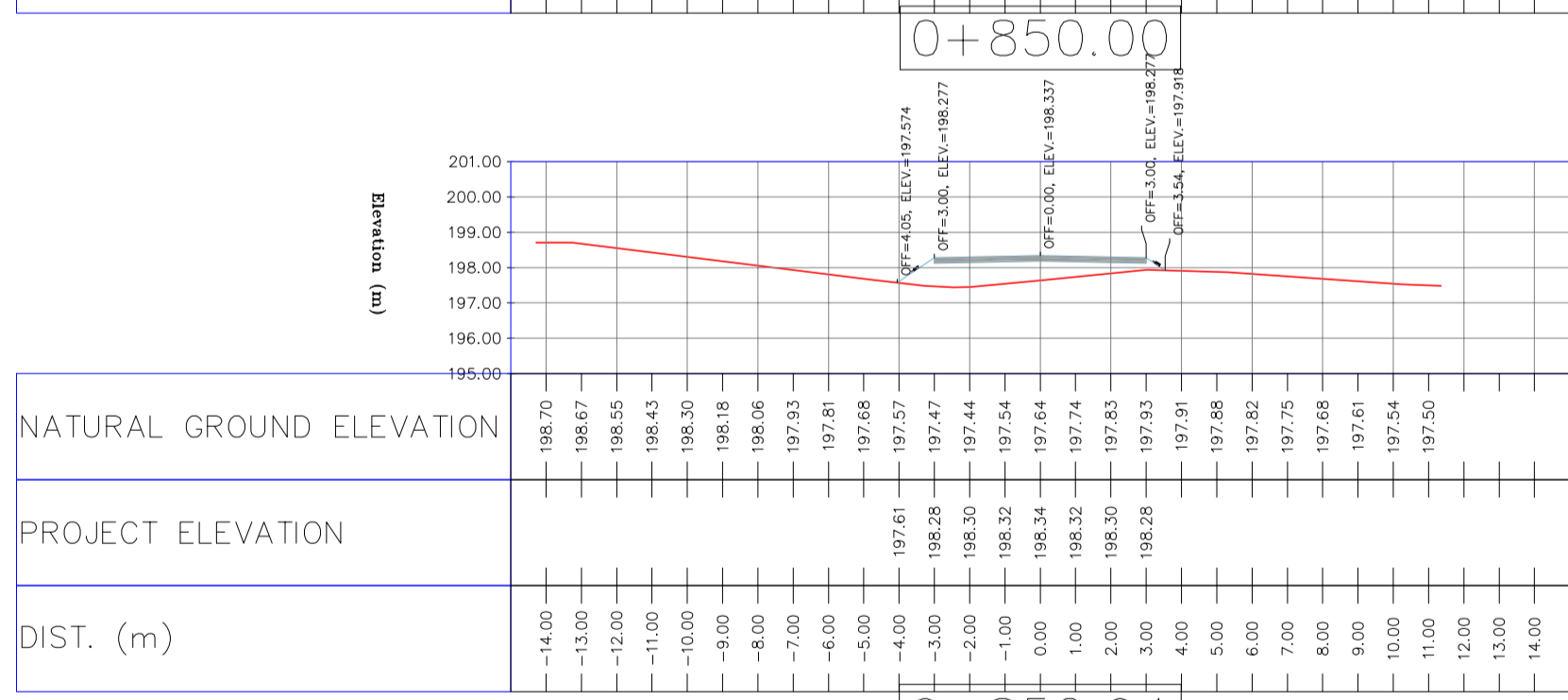
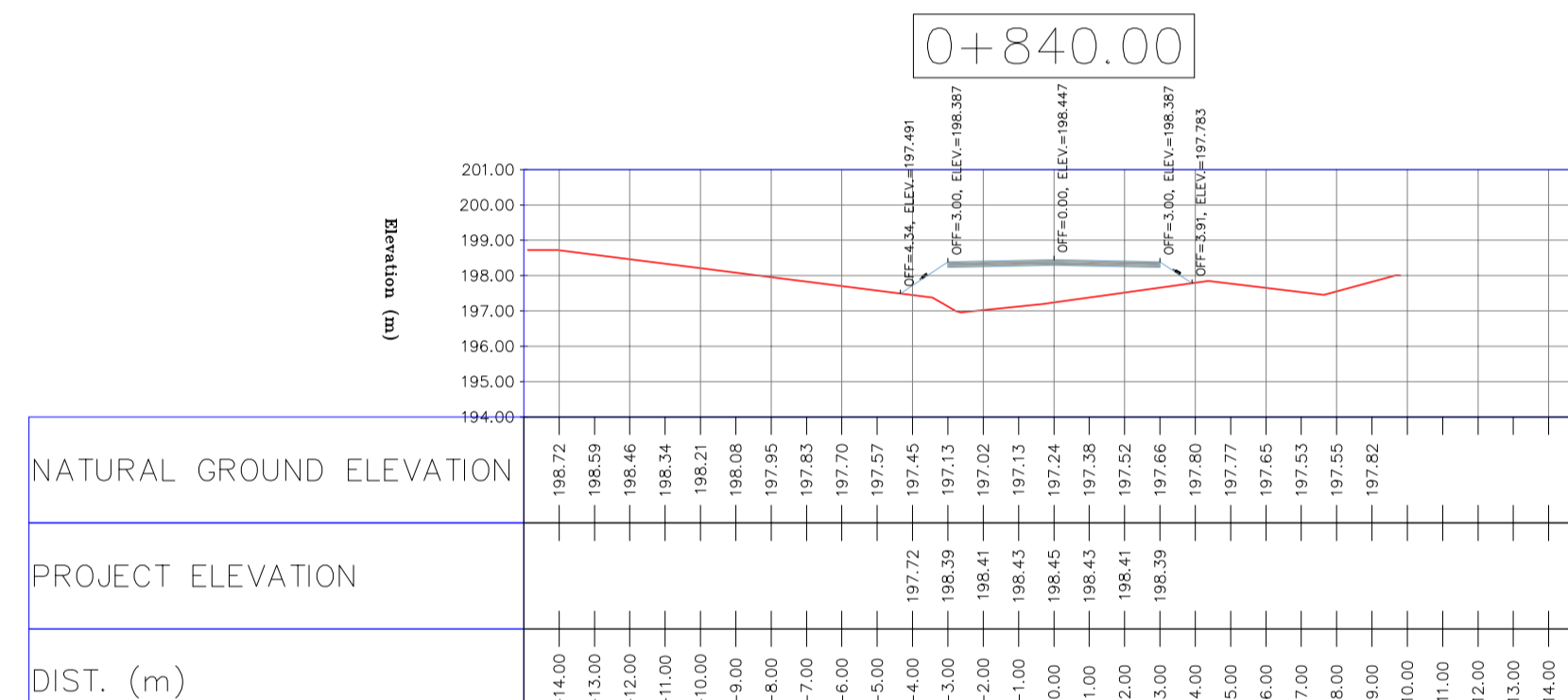
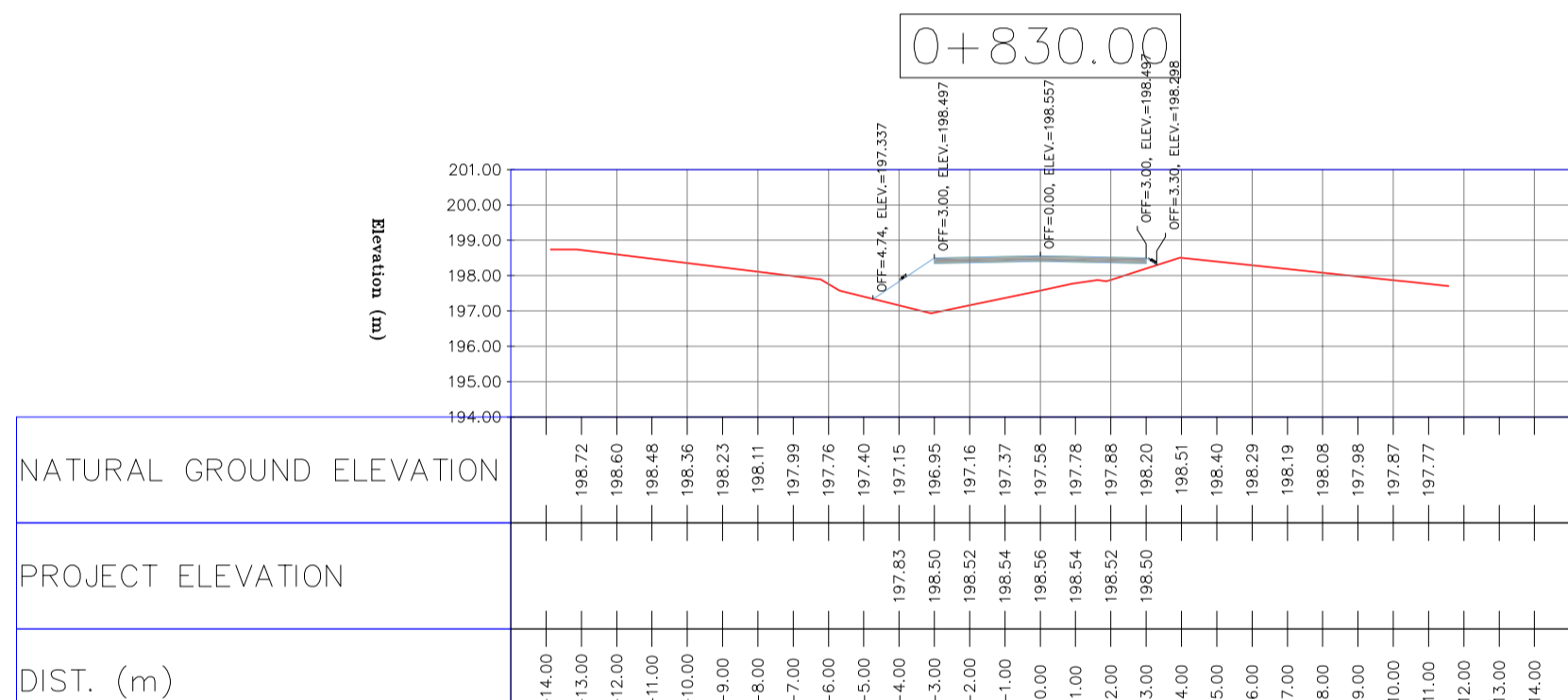
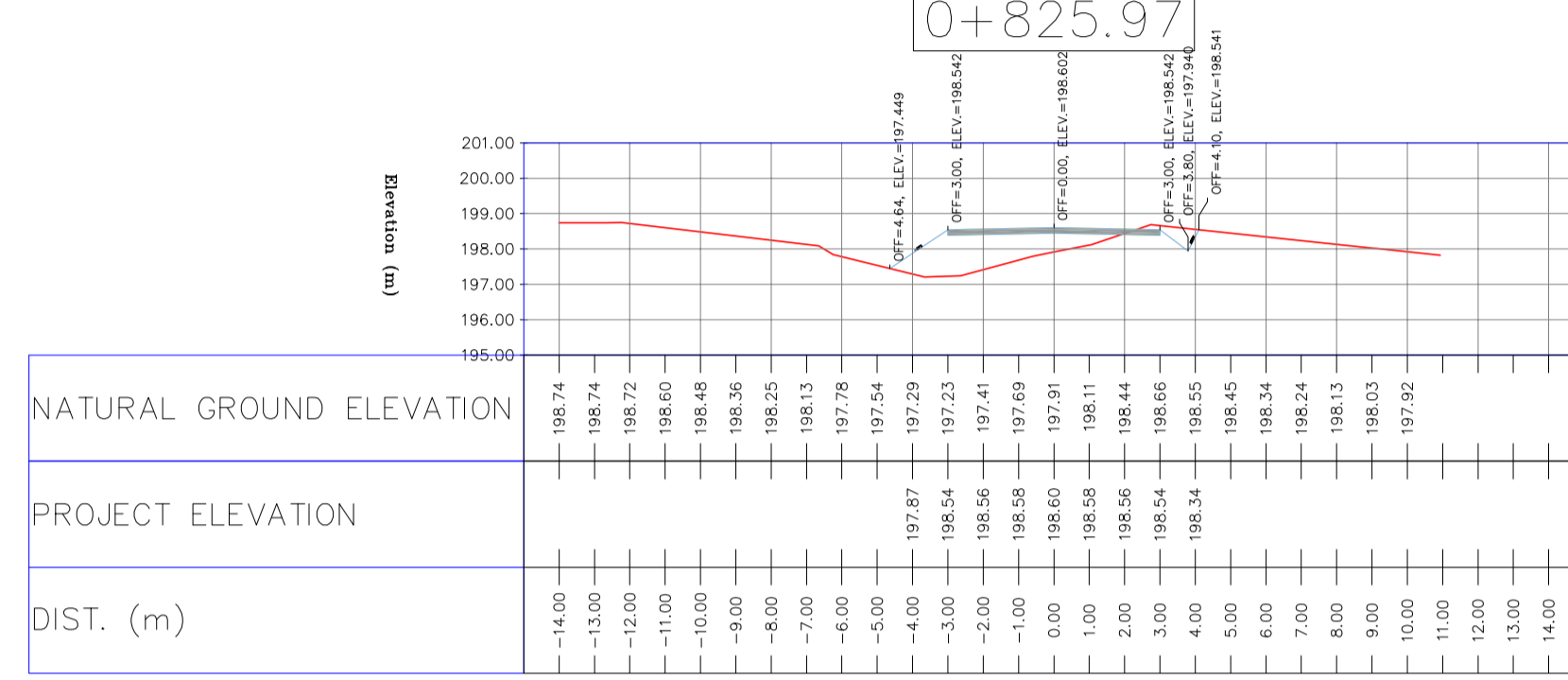
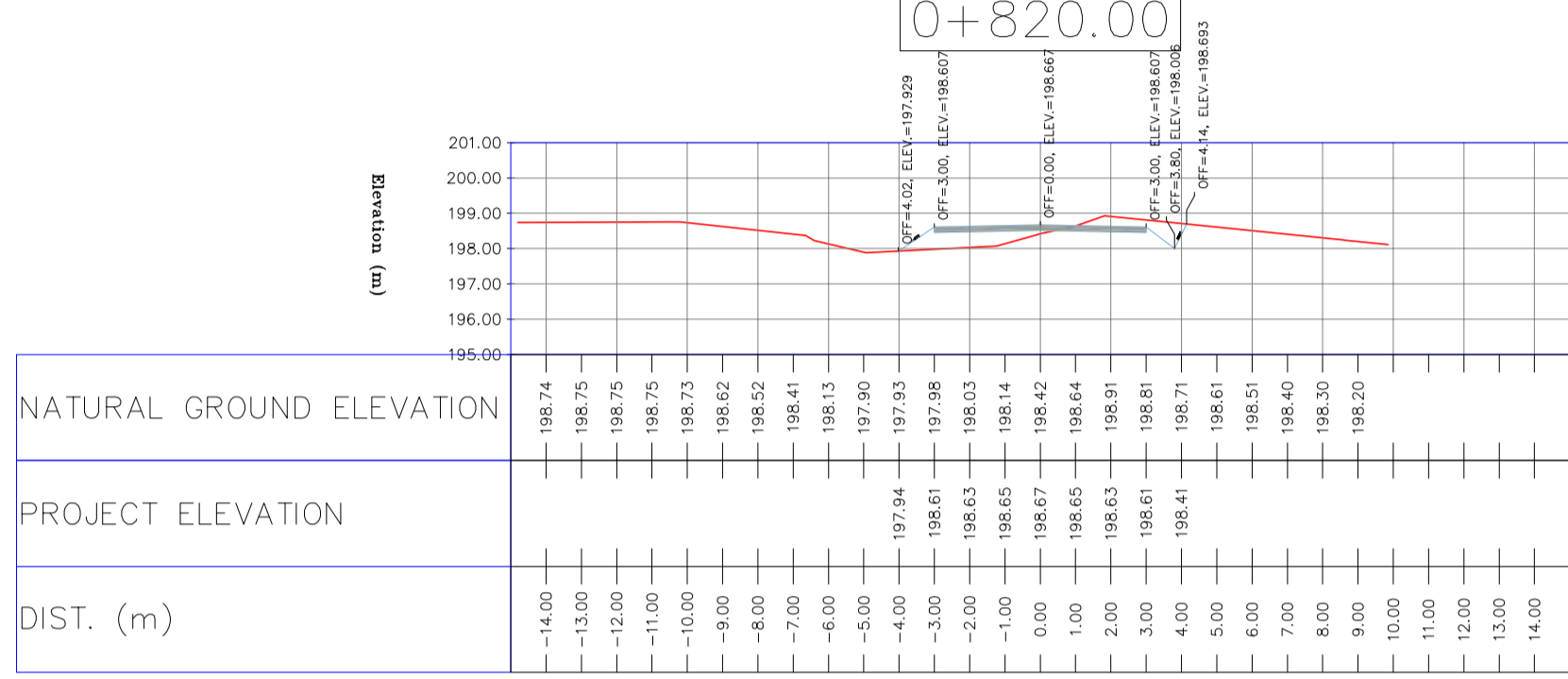
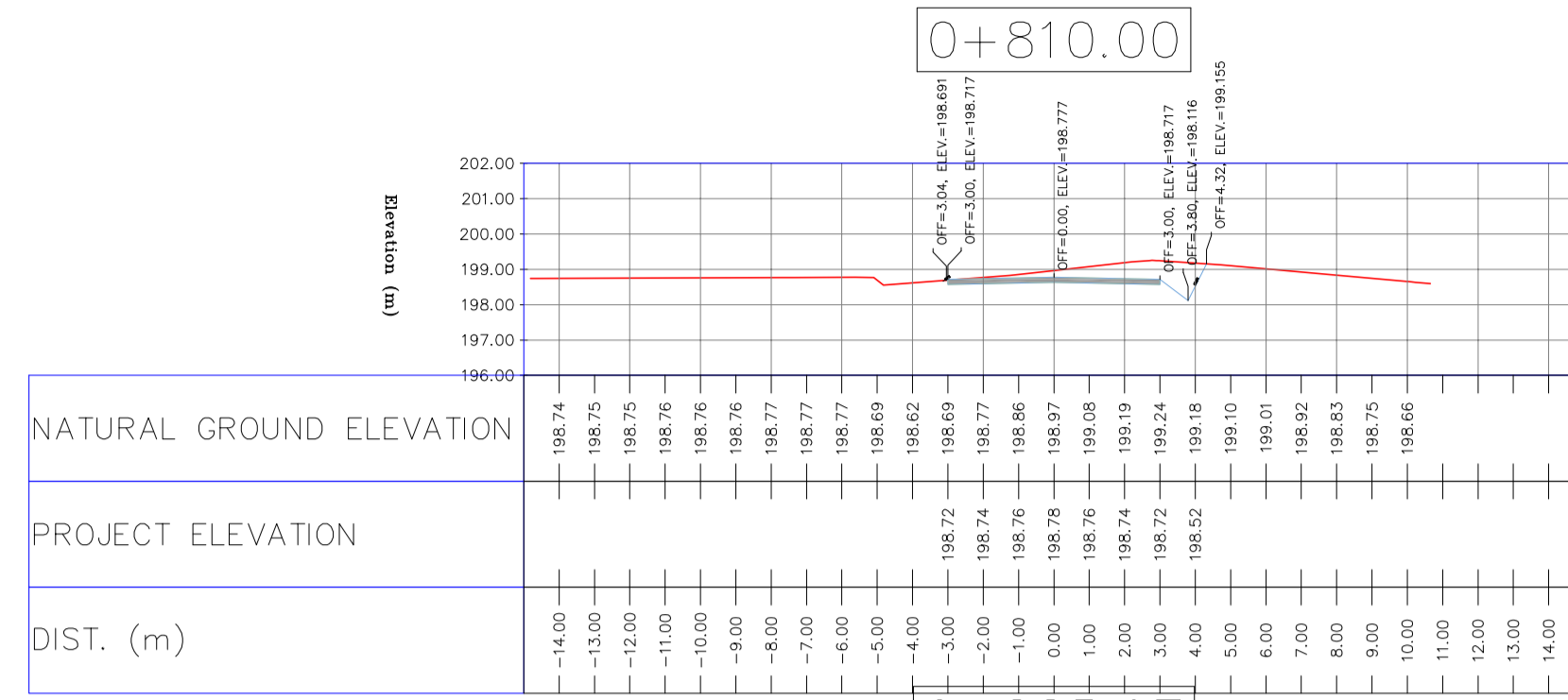
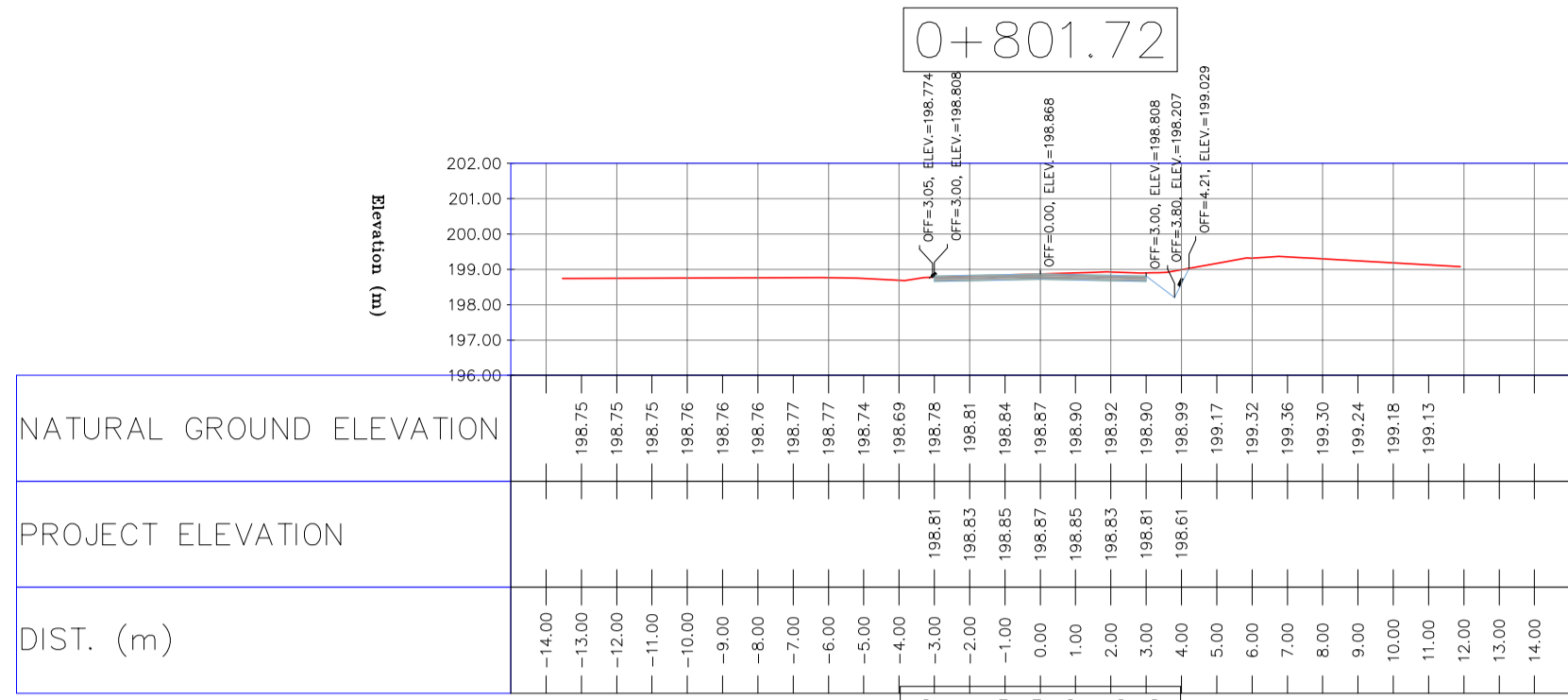
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

CHECKED BY: _____ DATE: _____

REV. APPR. _____

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: _____ DATE: _____



- ### NOTES
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL
 - THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

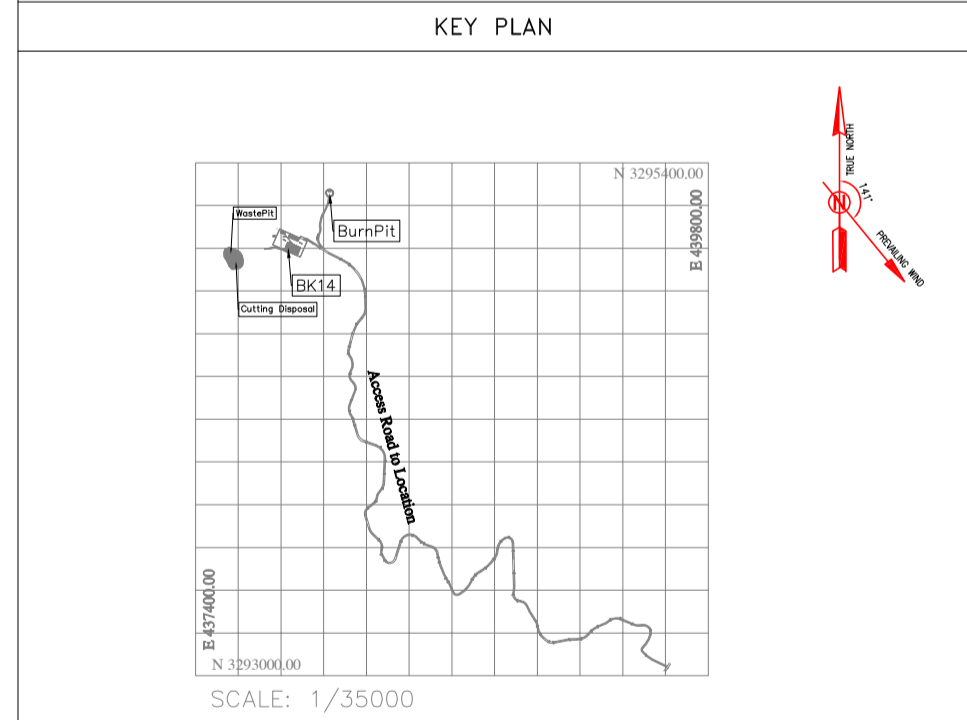
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



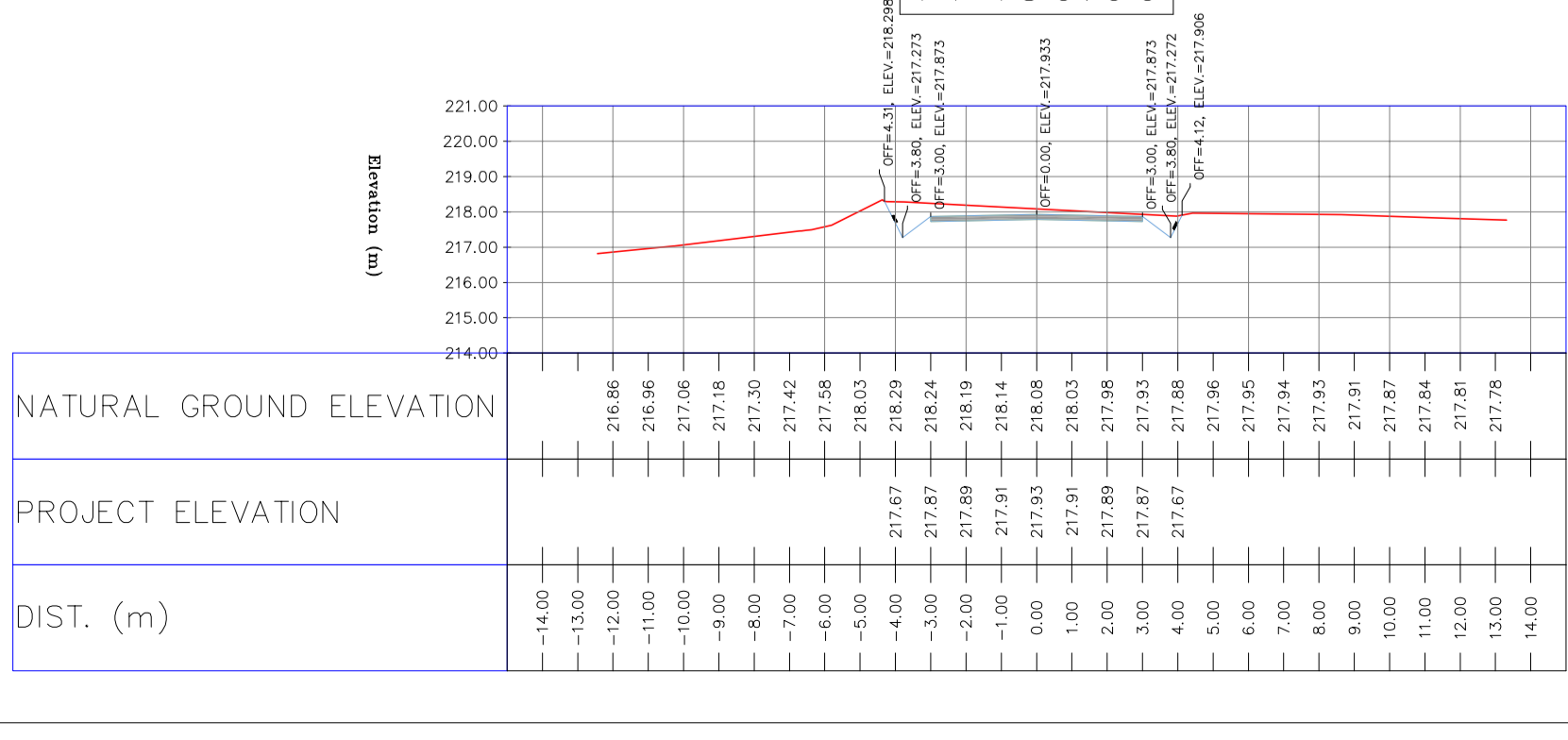
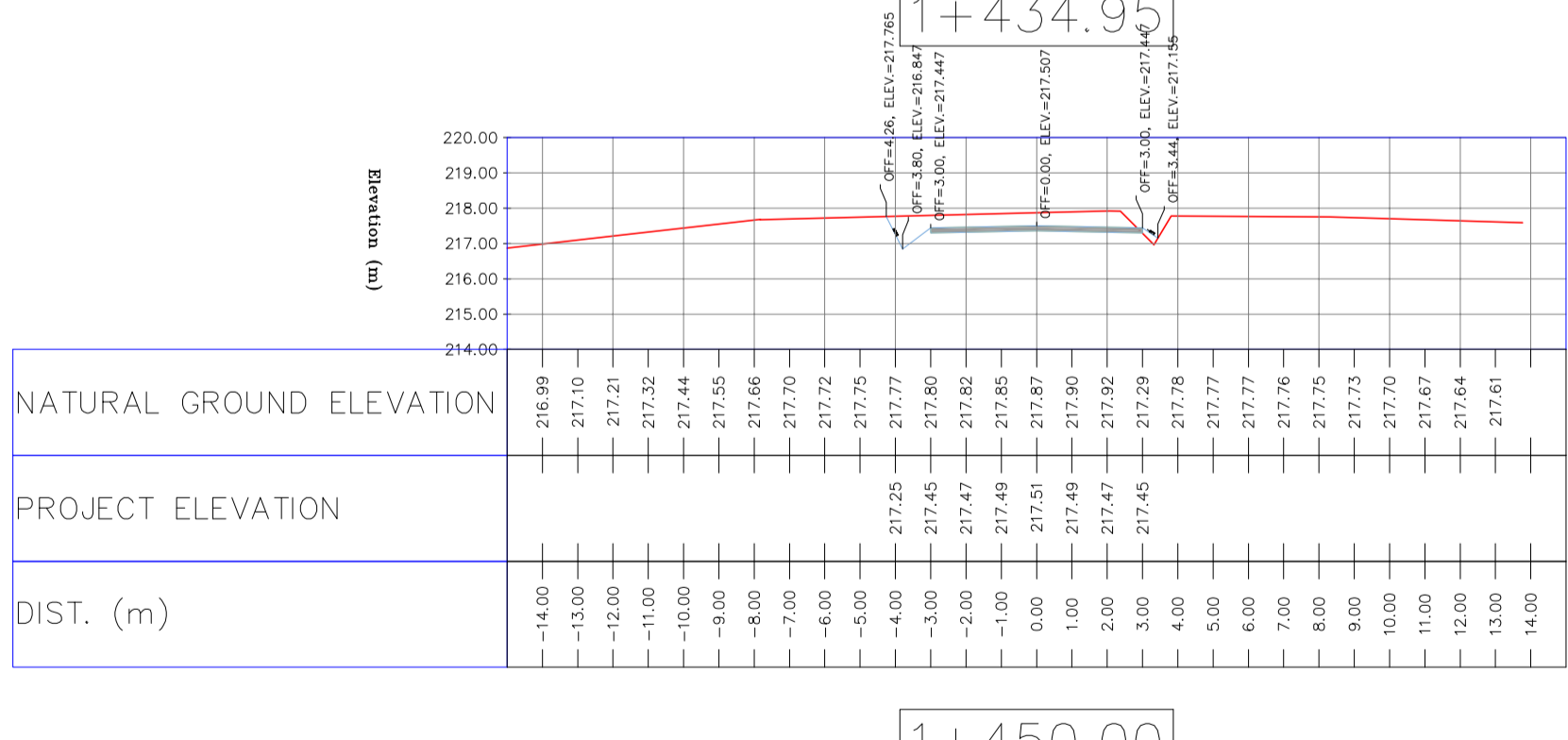
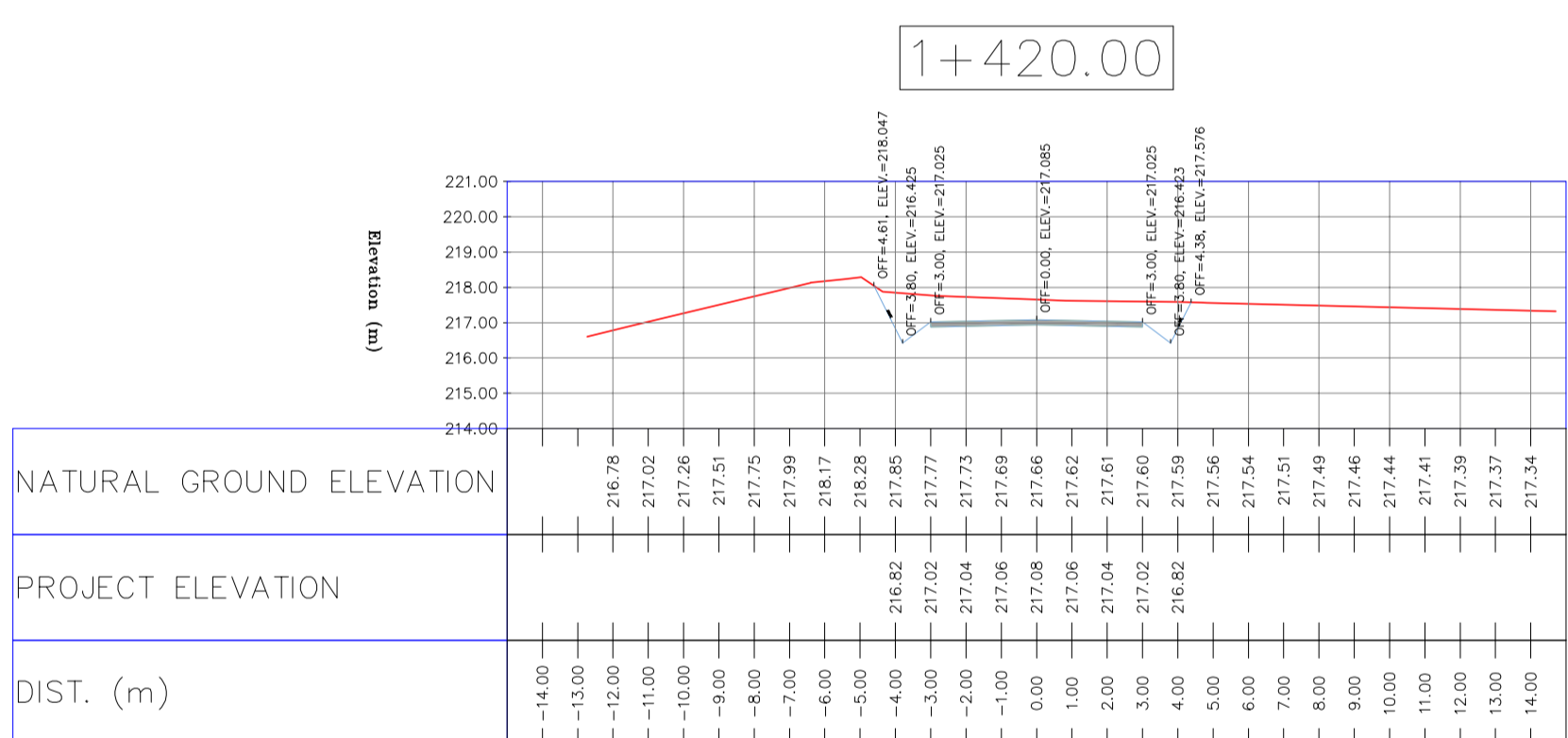
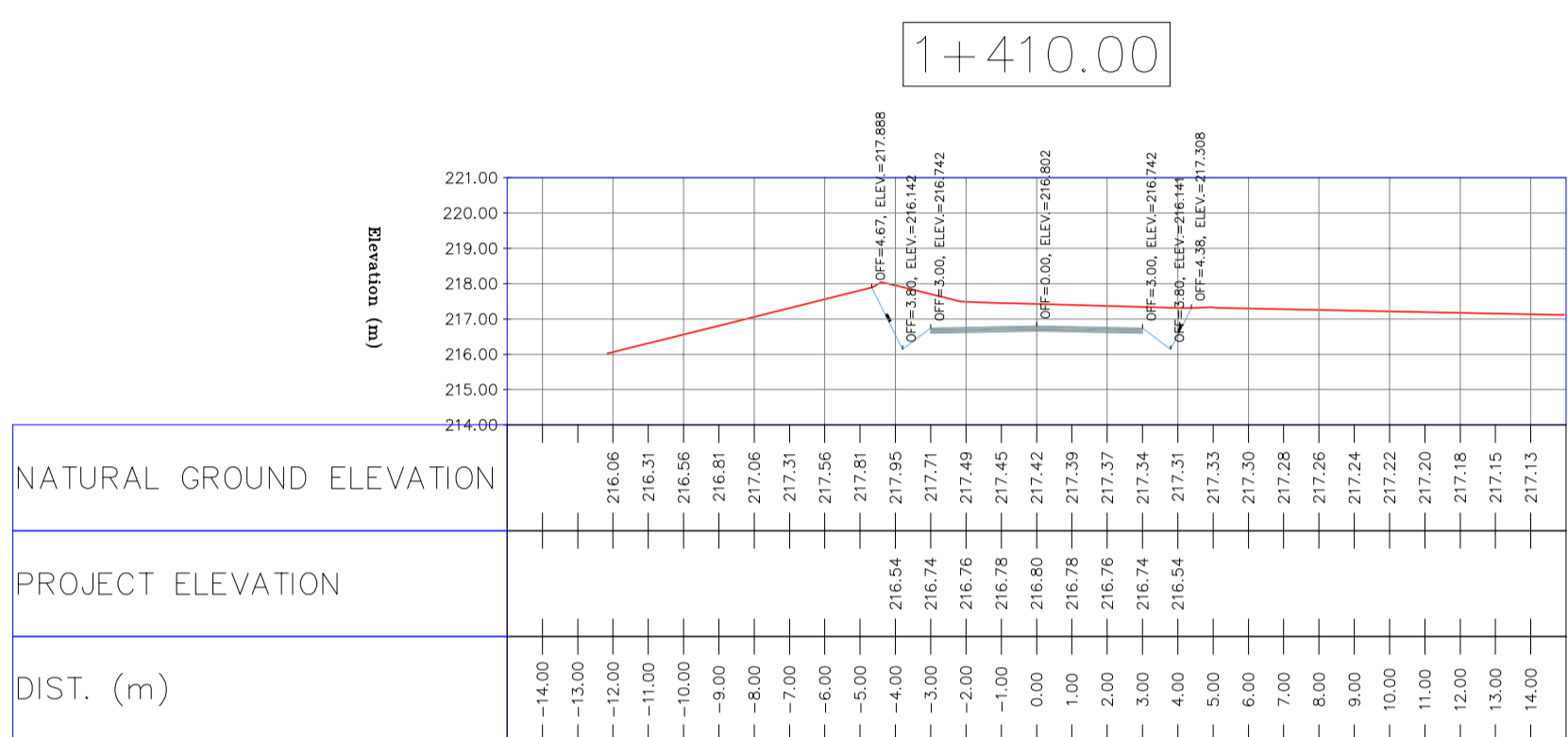
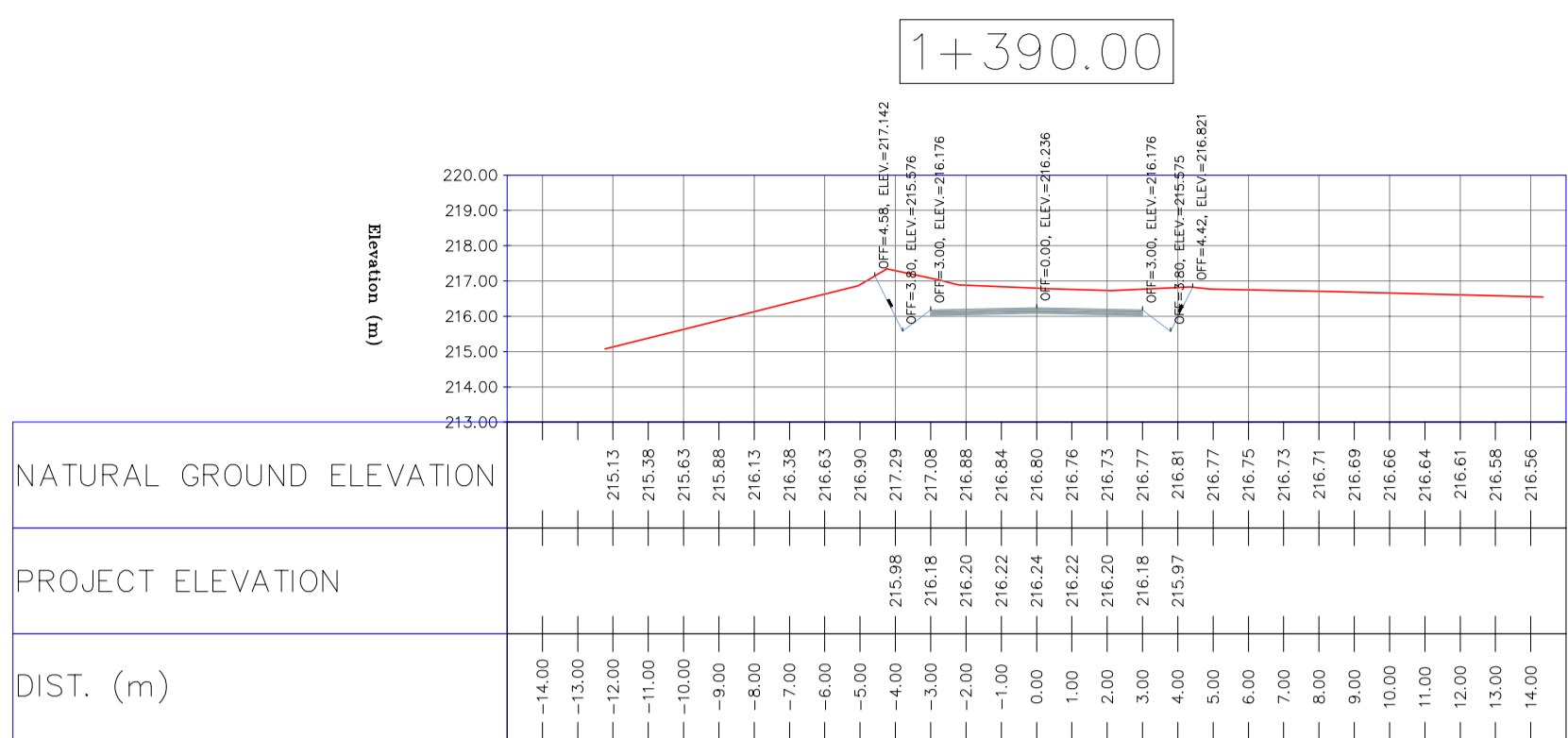
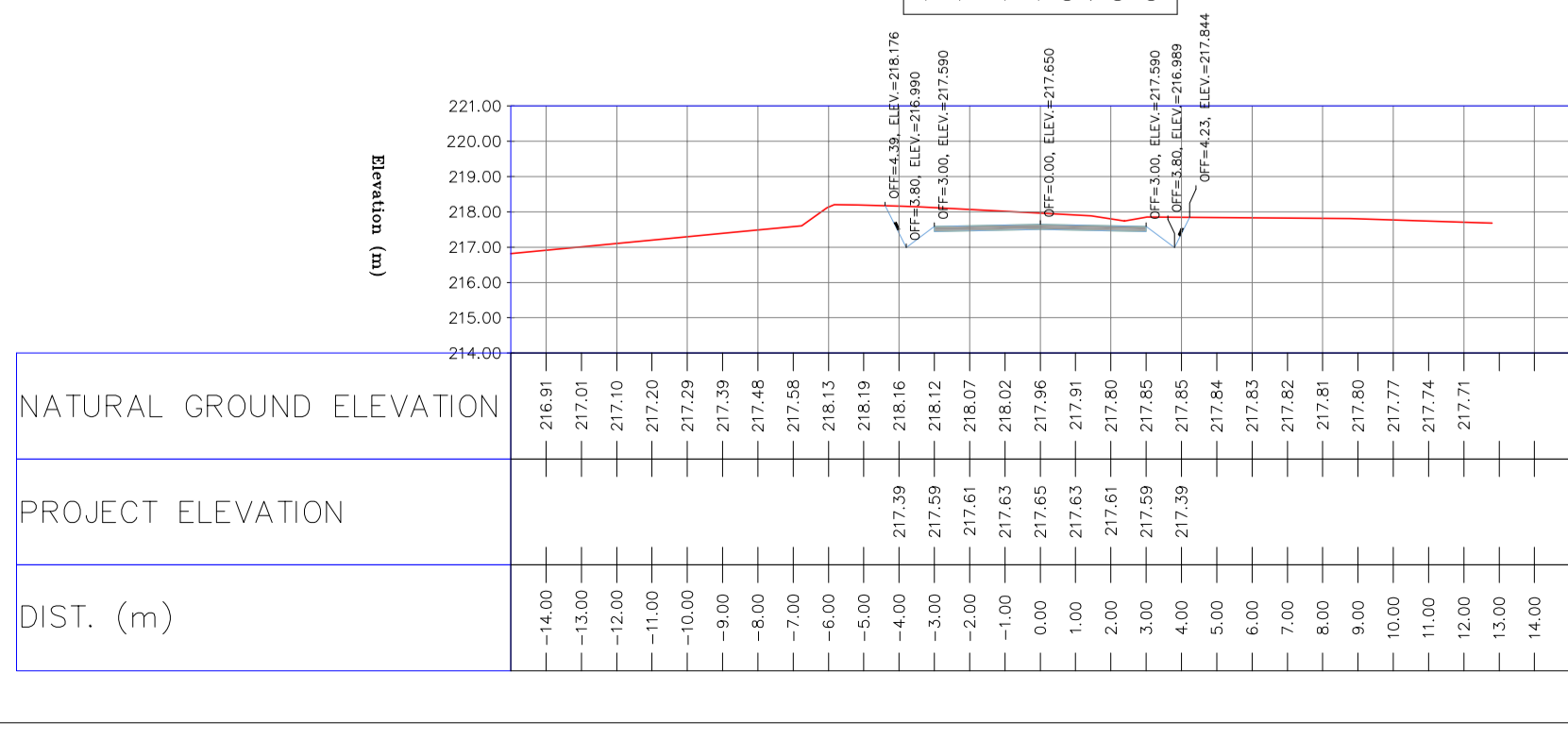
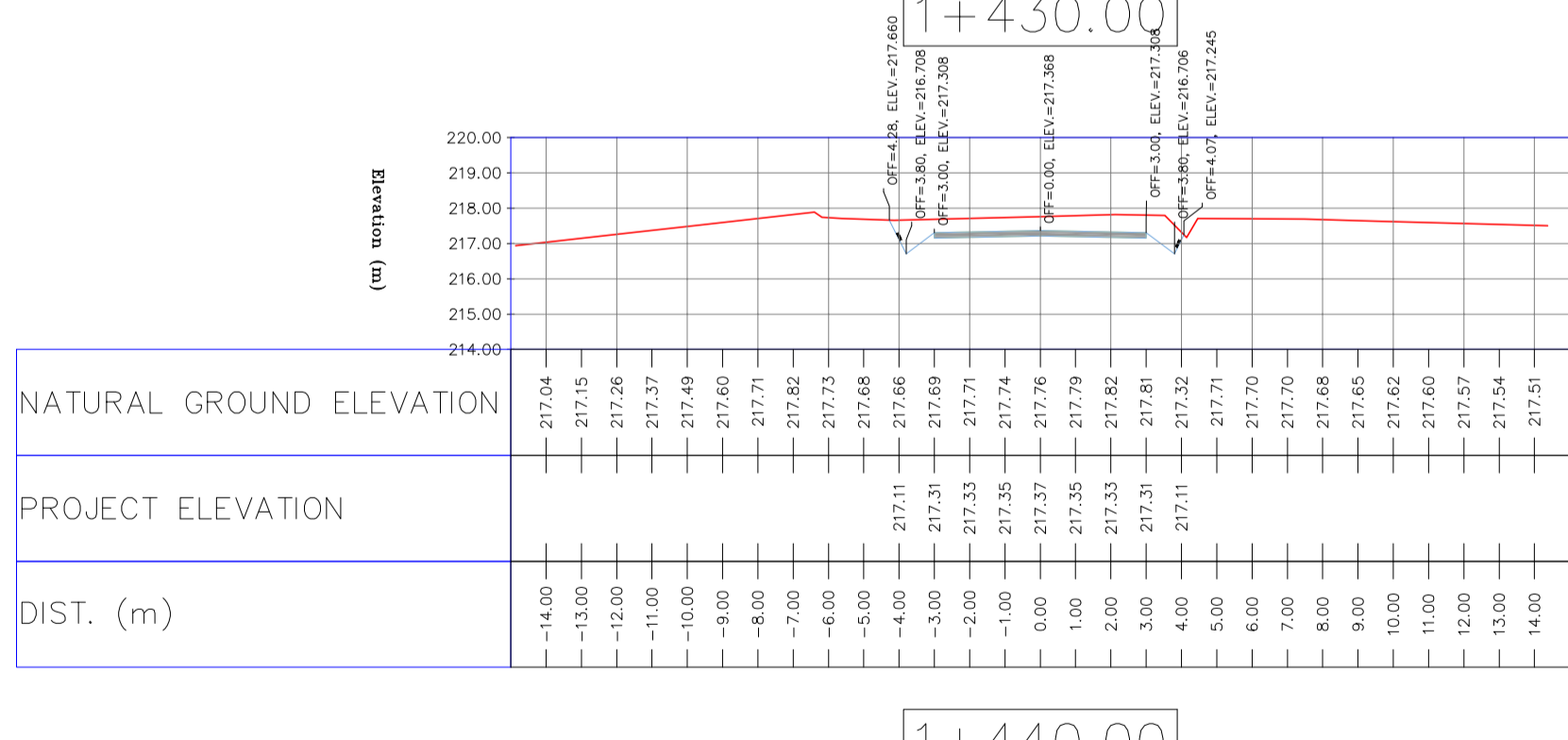
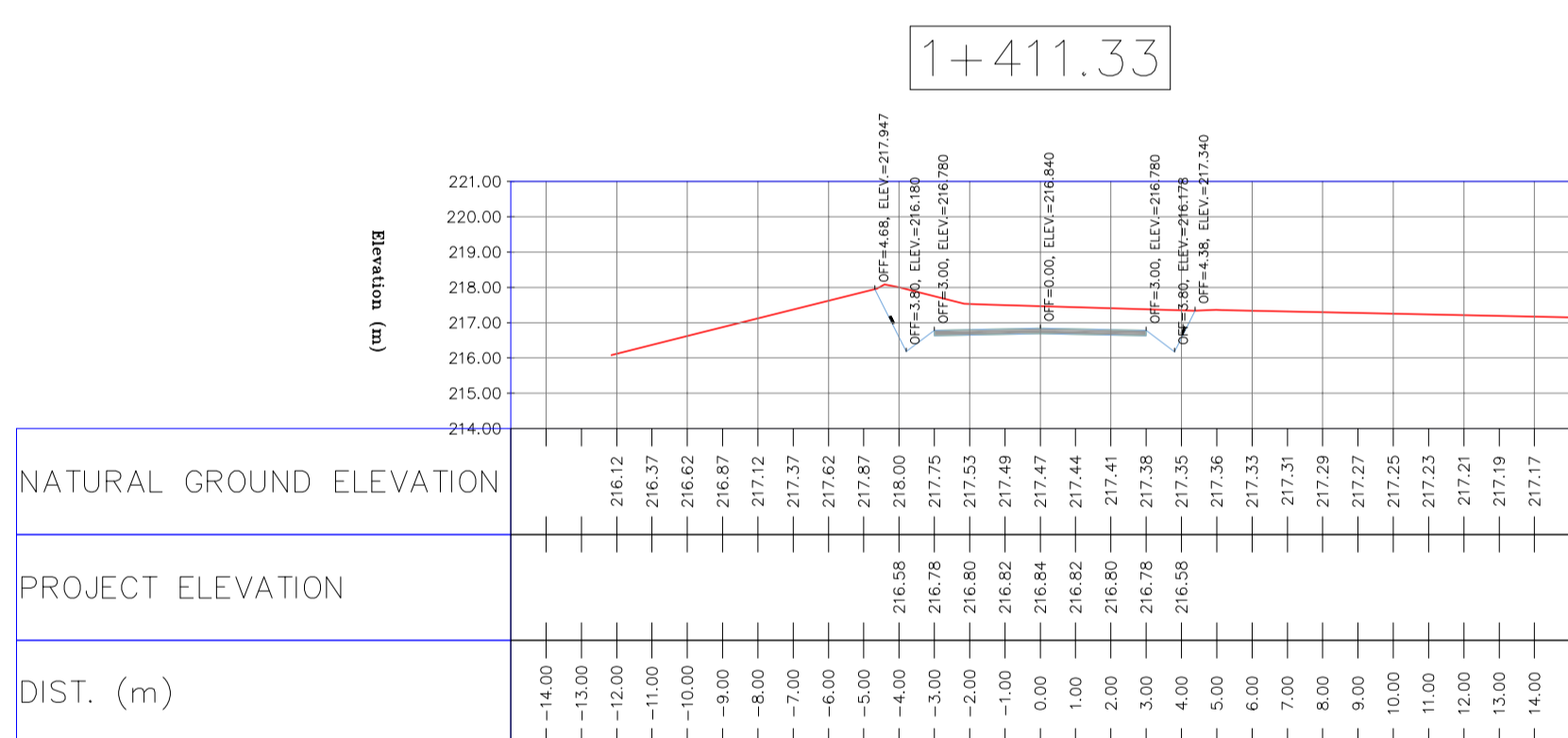
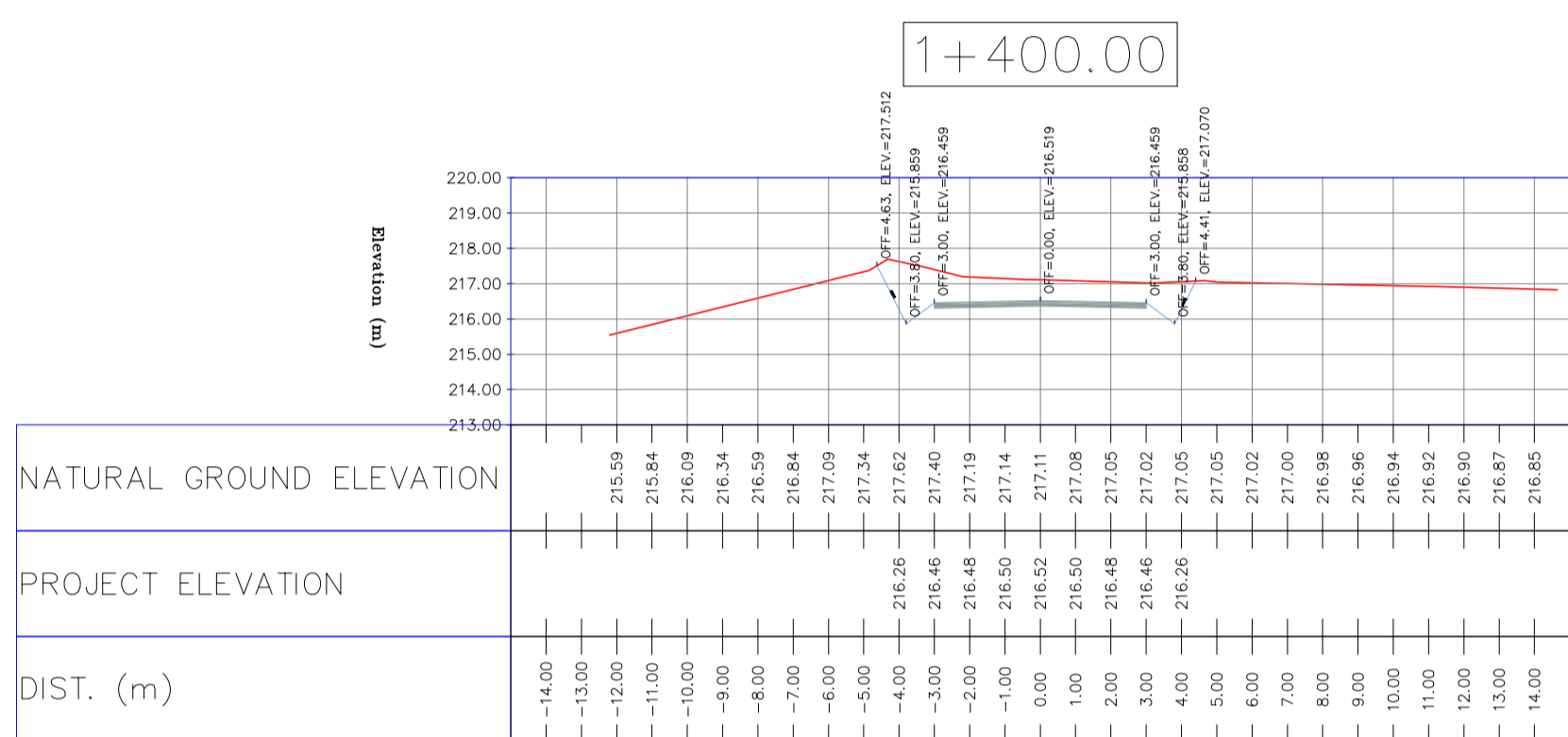
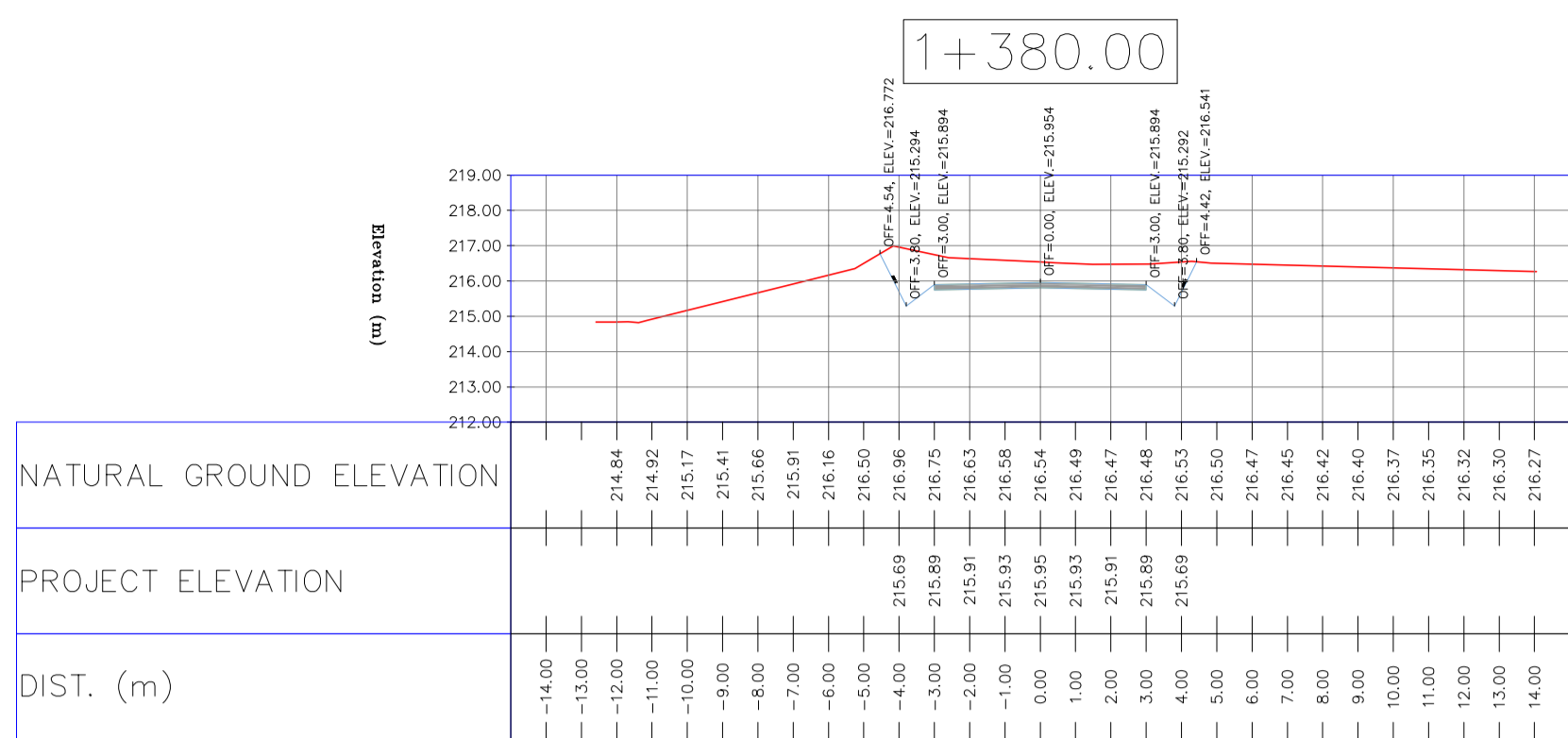
REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
 PROJECT NO.: 971020
 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
 EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

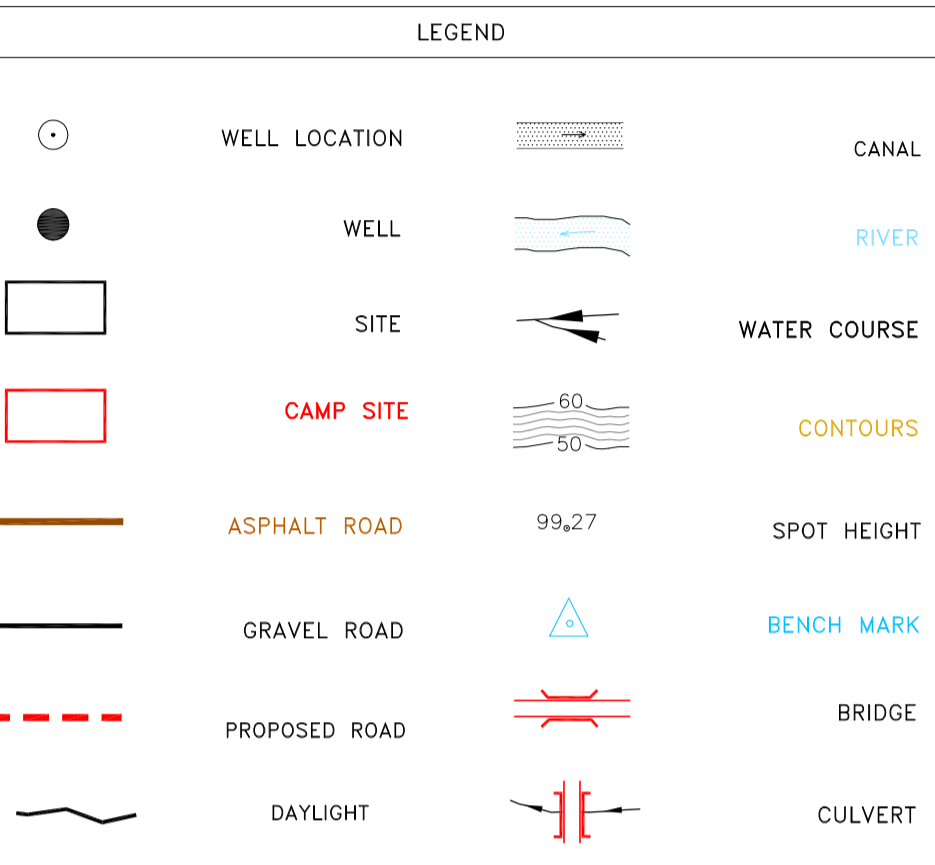
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	40 OF 98	D04	053-073-9184	F	4	S	708209	40	D04



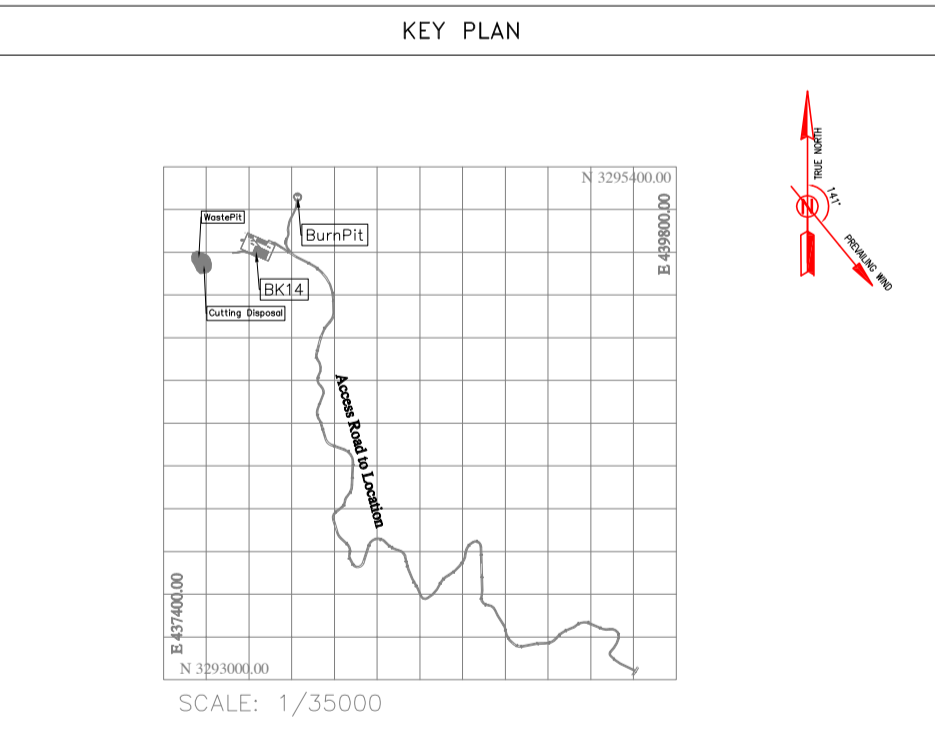
- NOTES
- 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - 2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - 4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAI-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - 5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.



REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAI-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAI-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRAI-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGIM OF VERTICAL CURVE STATION
BVCE= BEGIM OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE		
D04	JUN. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***							
D03	MAY. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***							
D02	MAR. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***							
D01	NOV. 2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***							
D00	OCT. 2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***							
PROJECT NAME:							BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS						
PROJECT NO.:							971020						
EPC CONTRACTOR:													
EPD/EPC CONTRACTOR(GC):													
DRAWING TITLE:							CIVIL AND STRUCTURAL DRAWINGS - BK14						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001			48 OF 98	D04	053-073-9184	F	4	S	708209	48	D04

NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL
- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAI-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

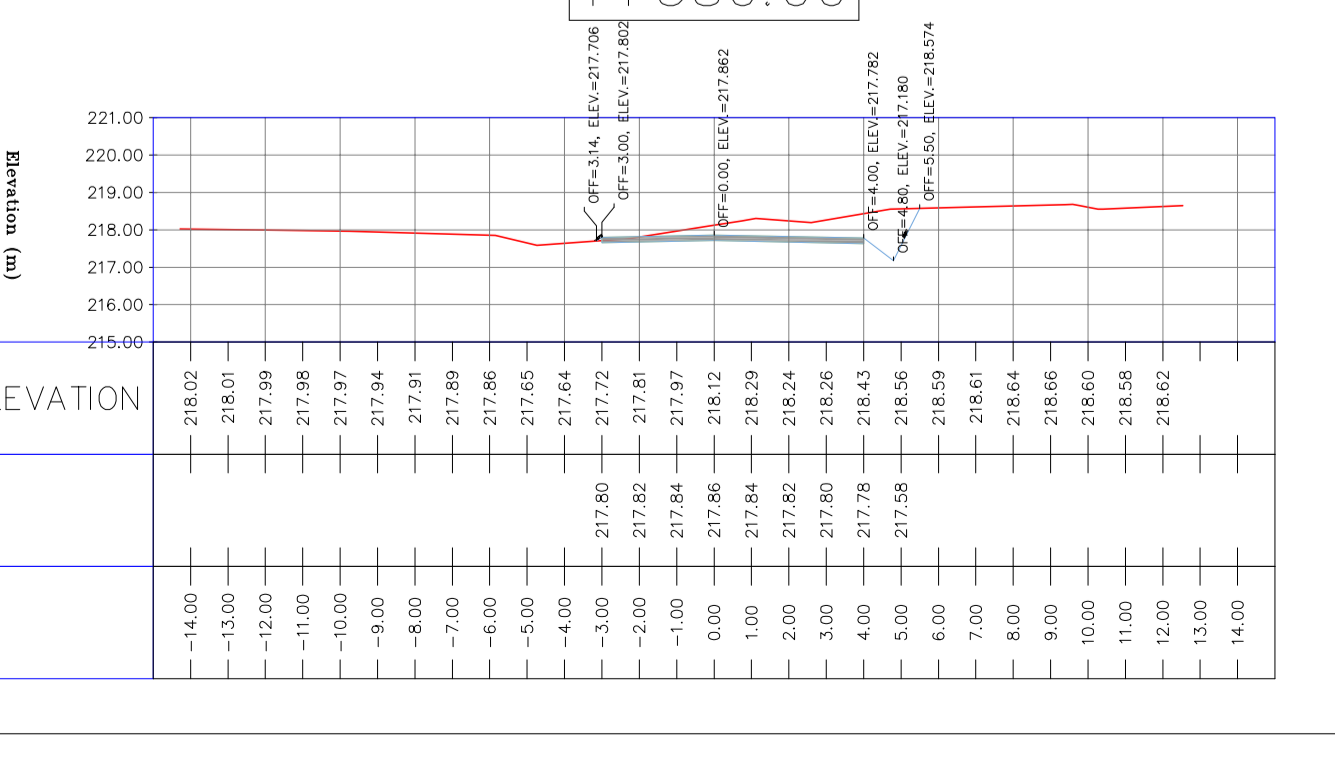
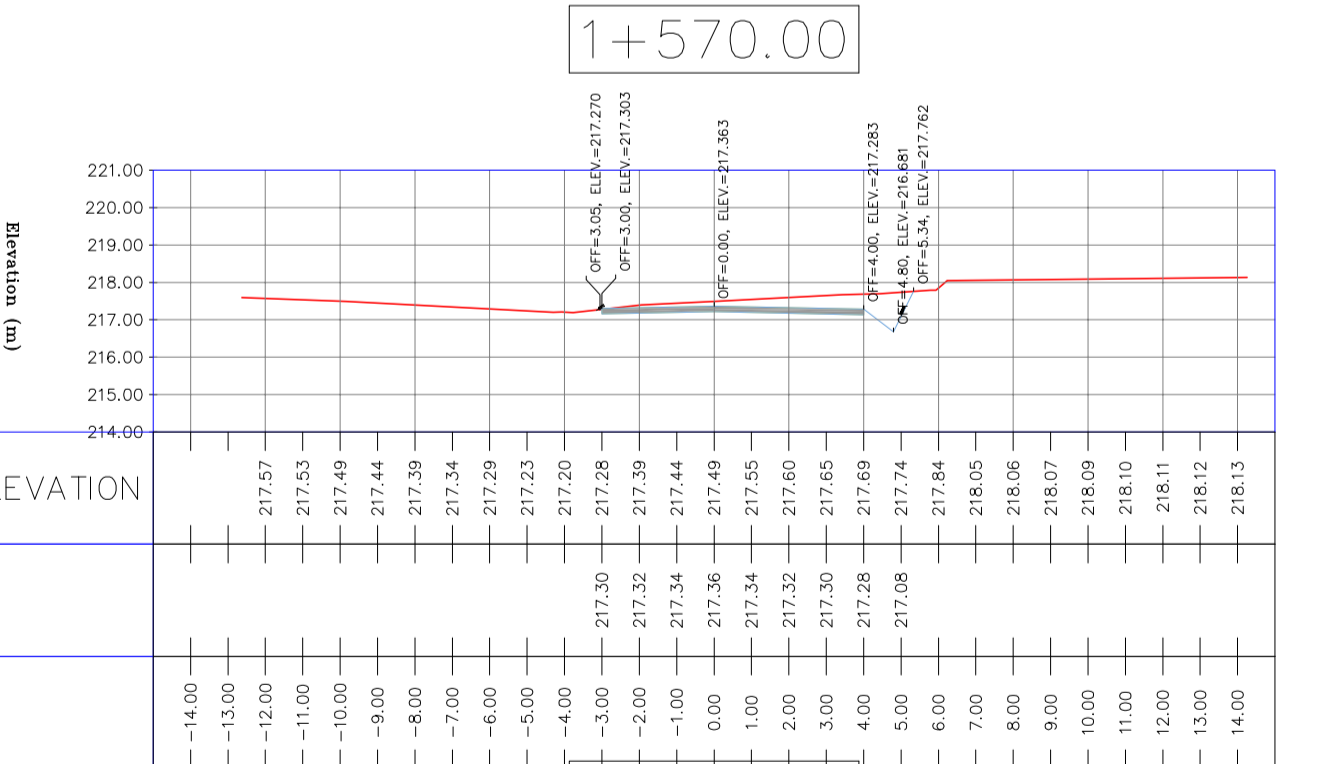
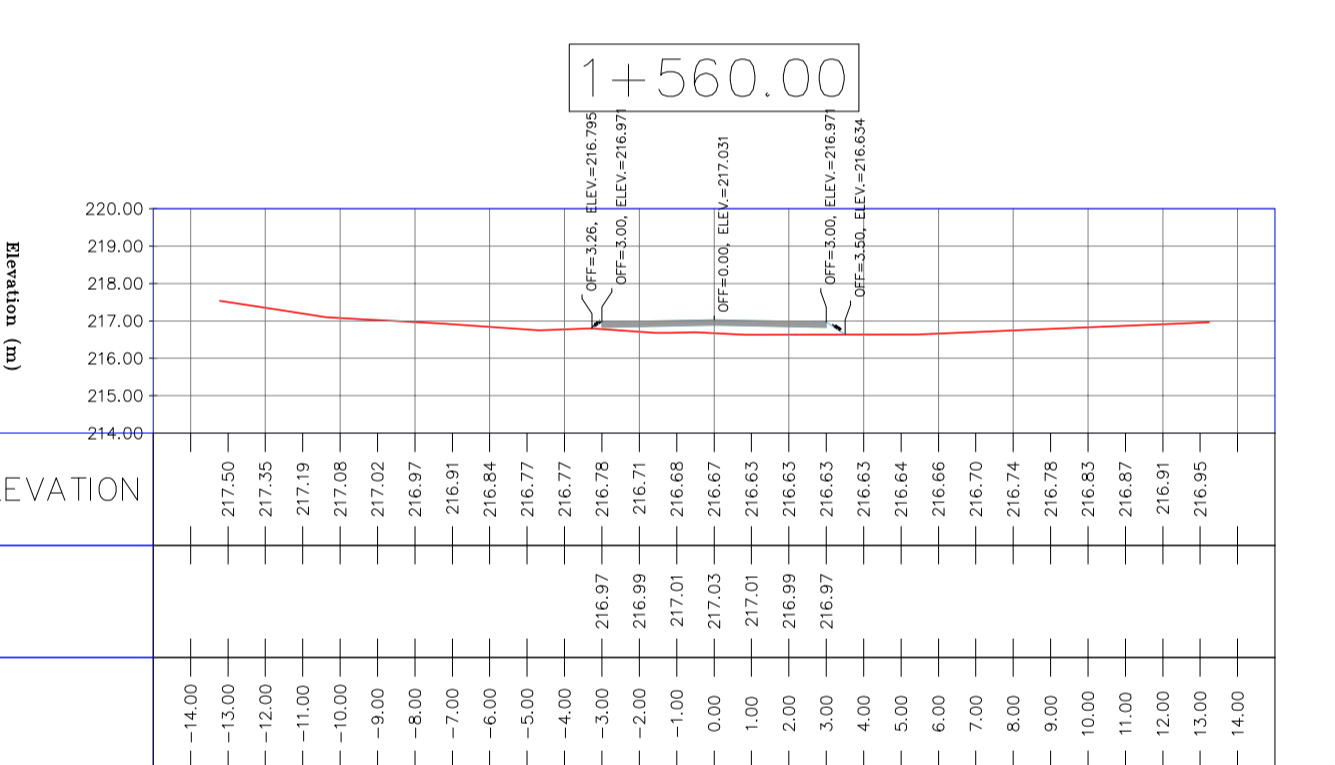
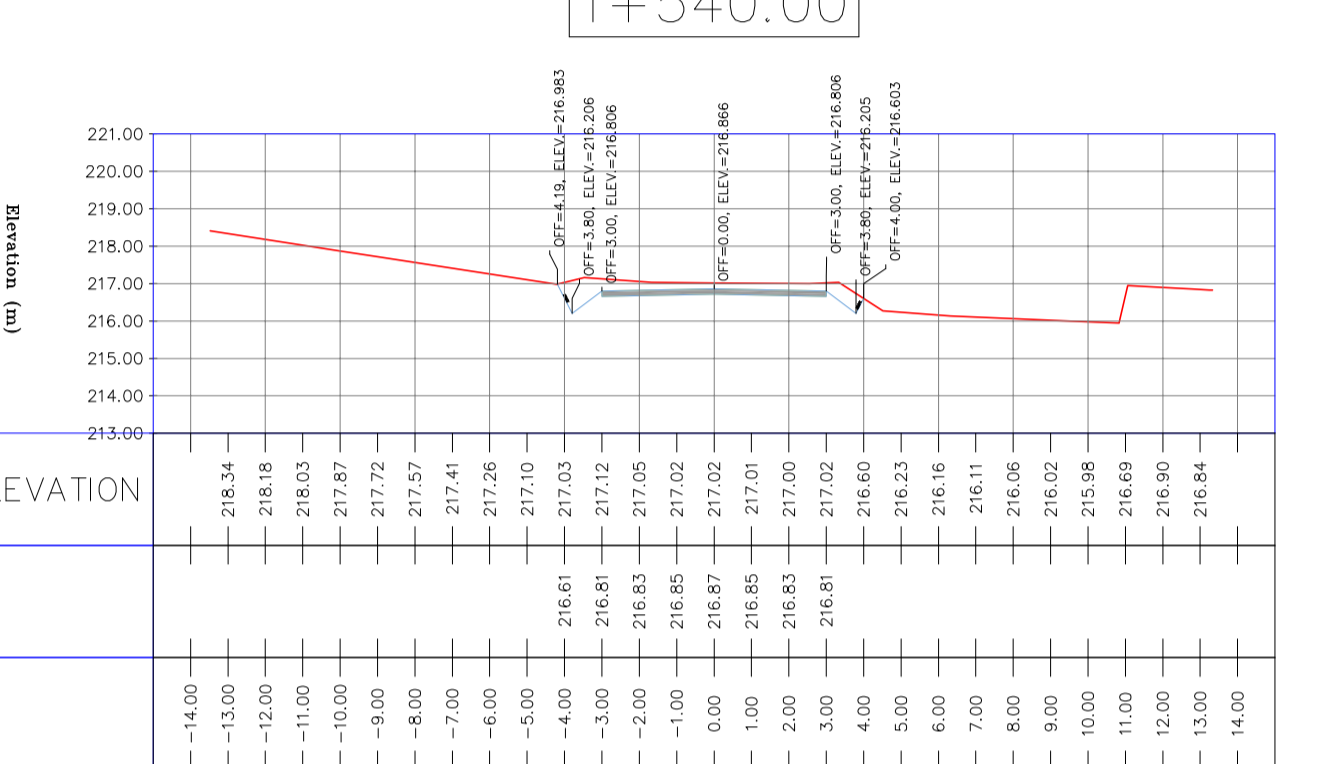
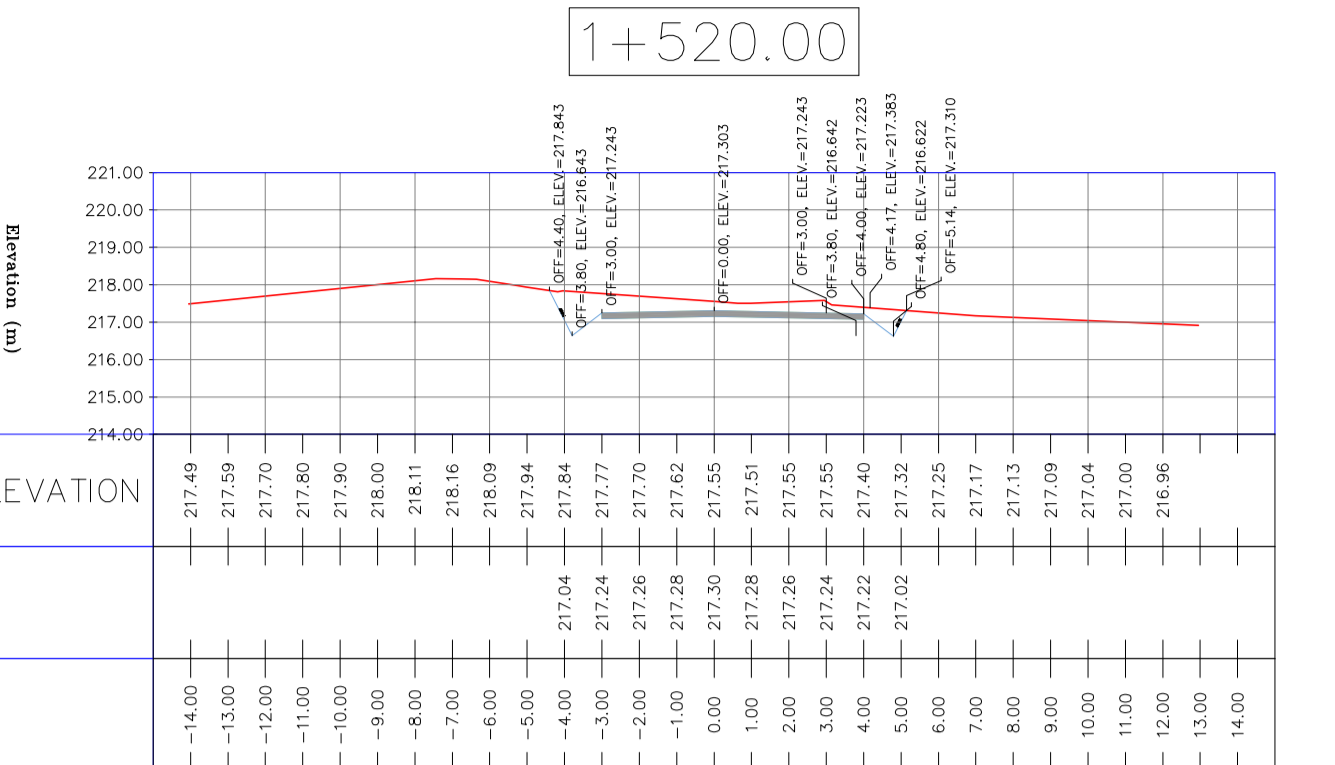
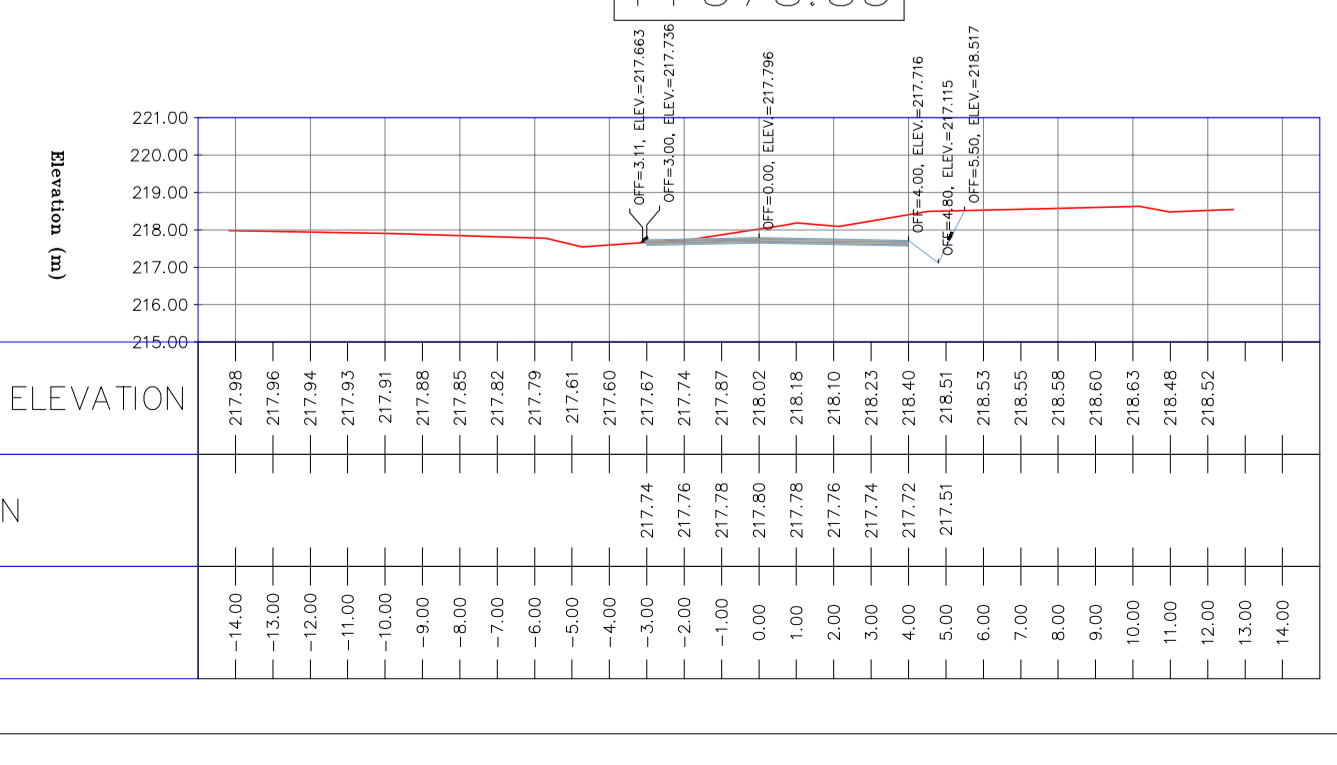
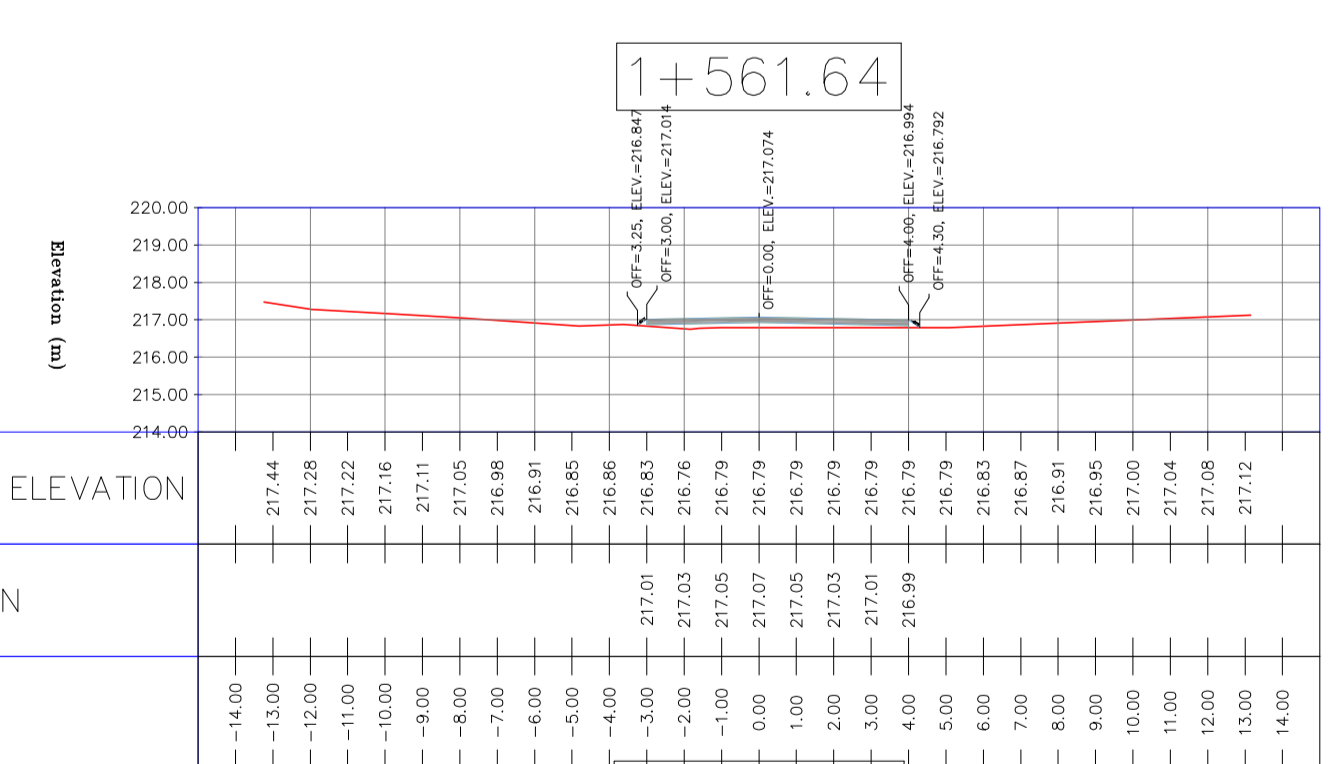
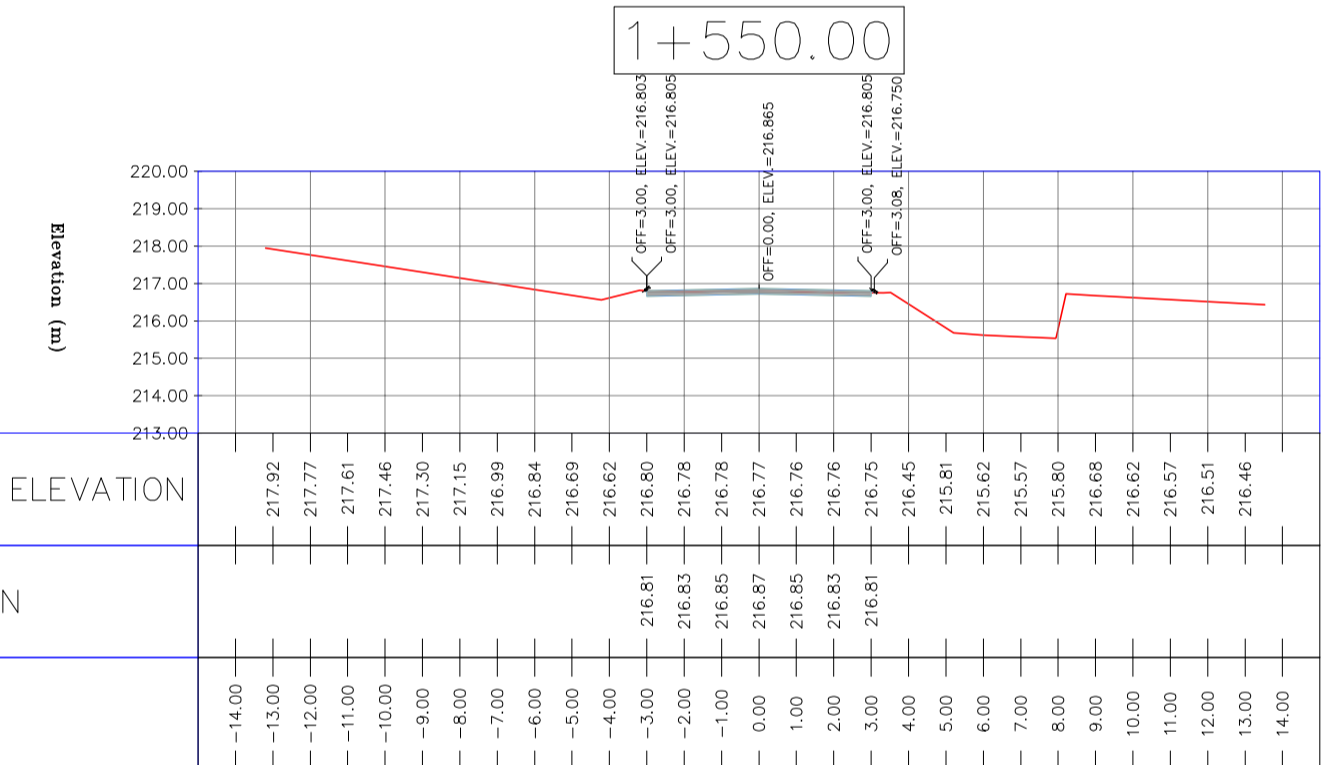
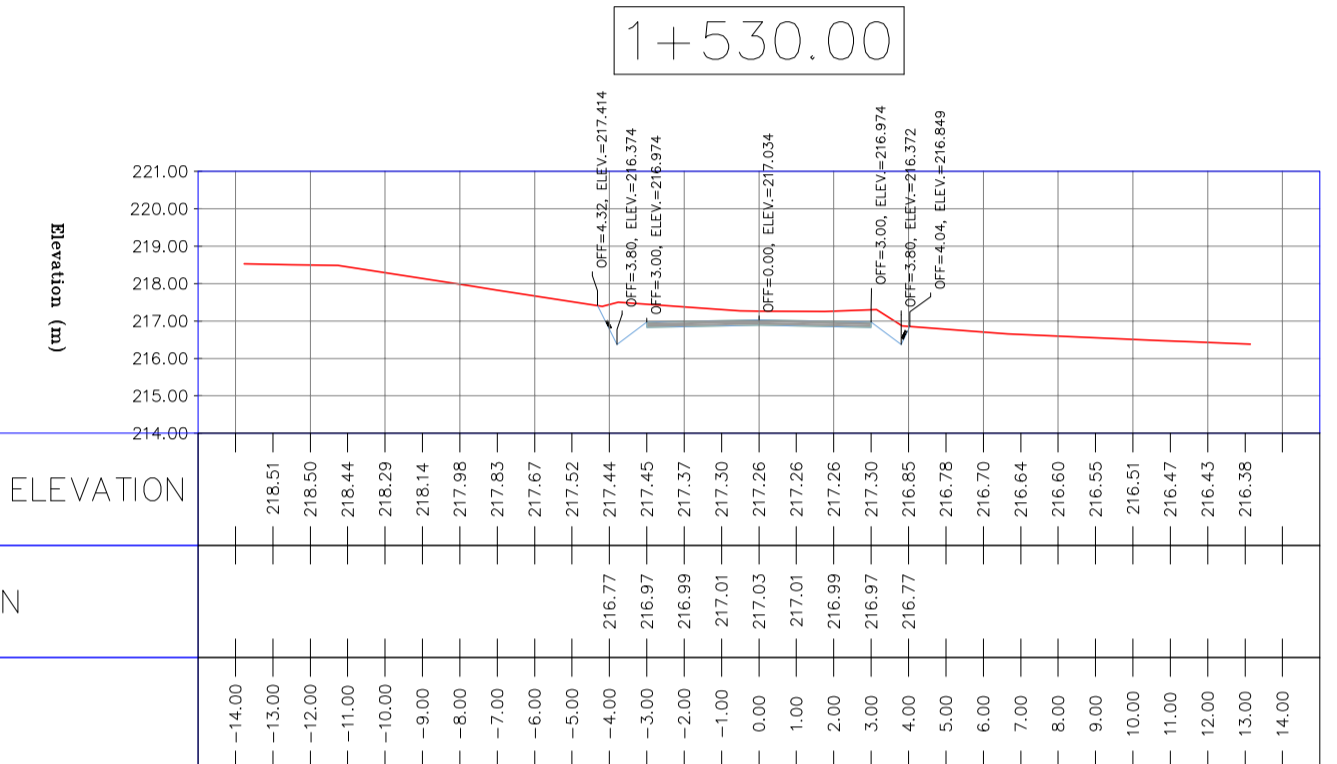
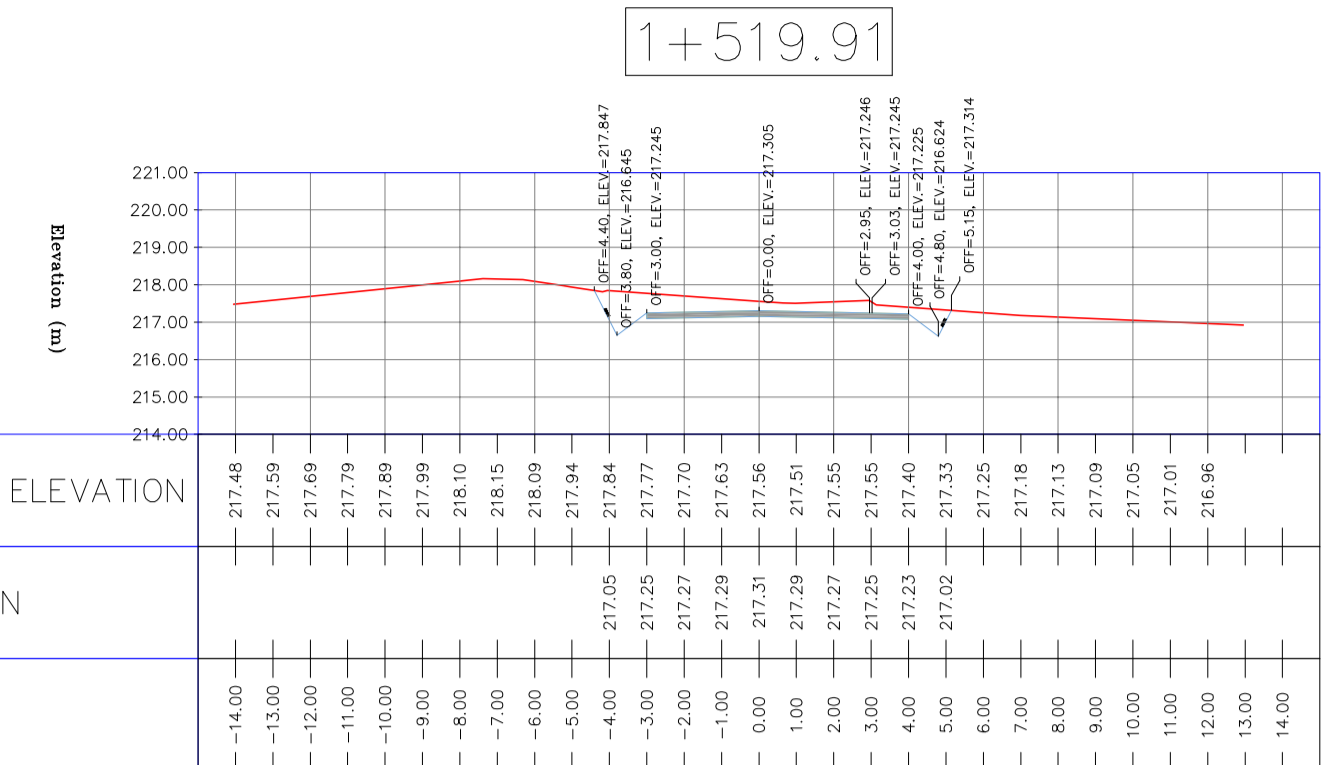
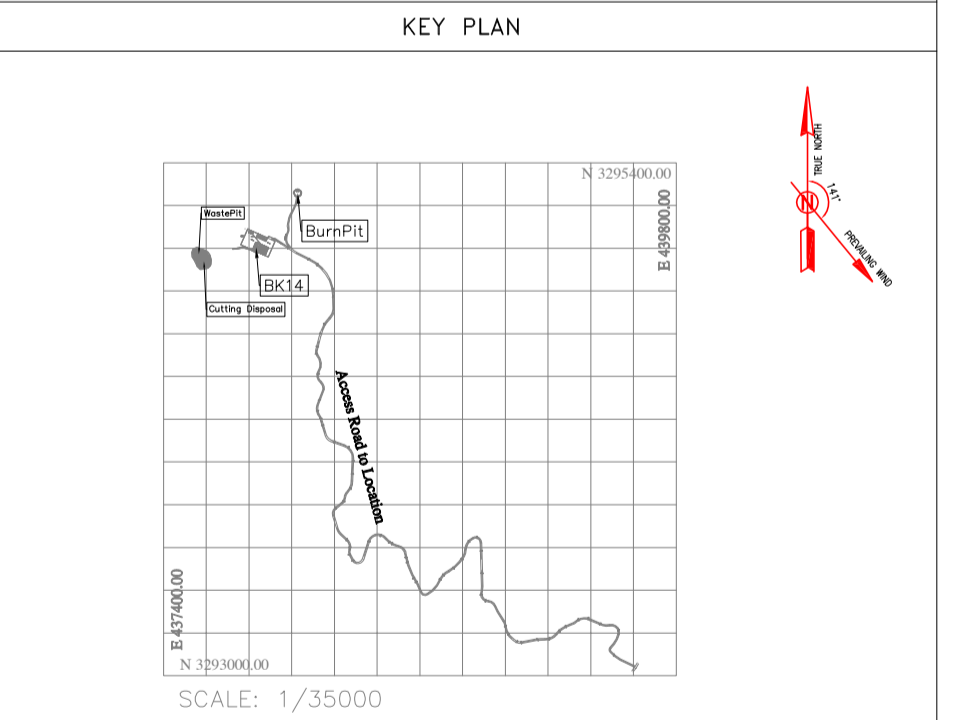
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAI-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAI-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRAI-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

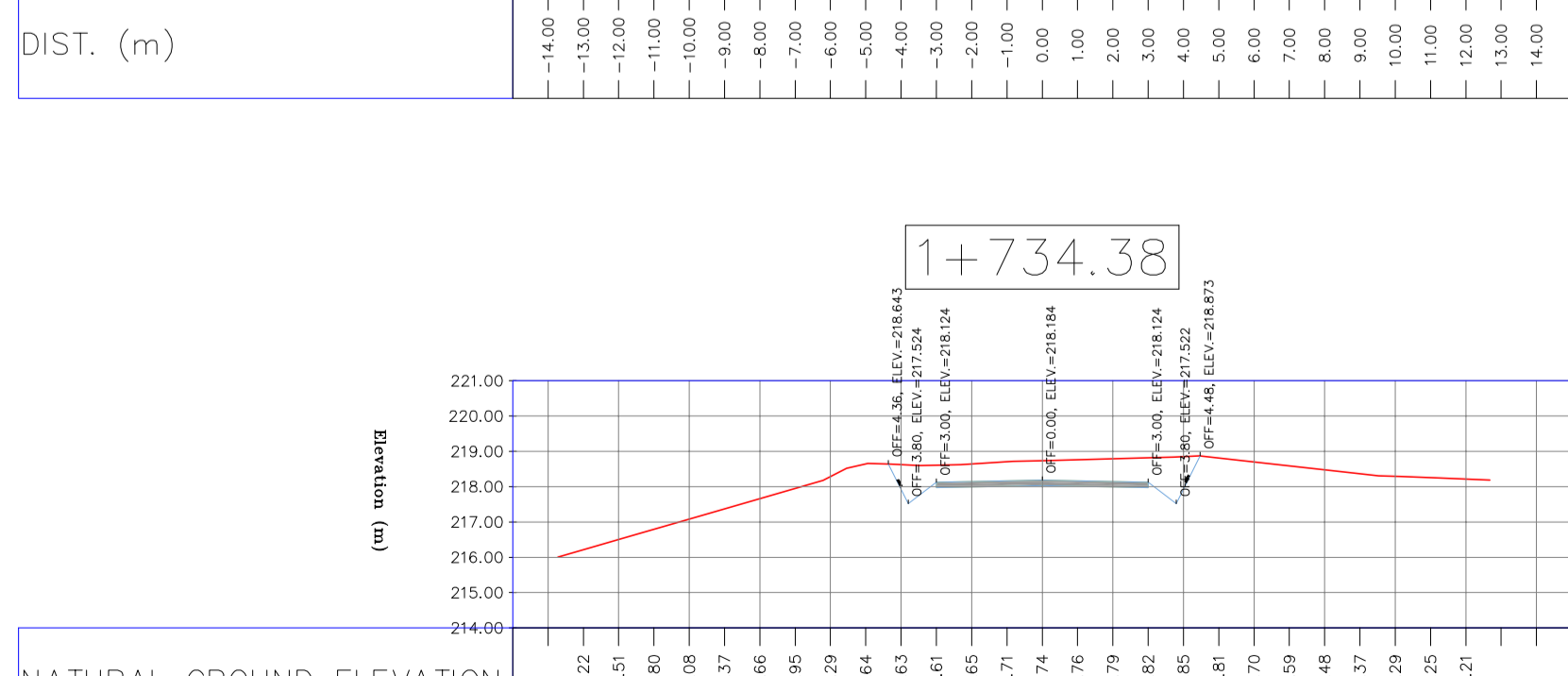
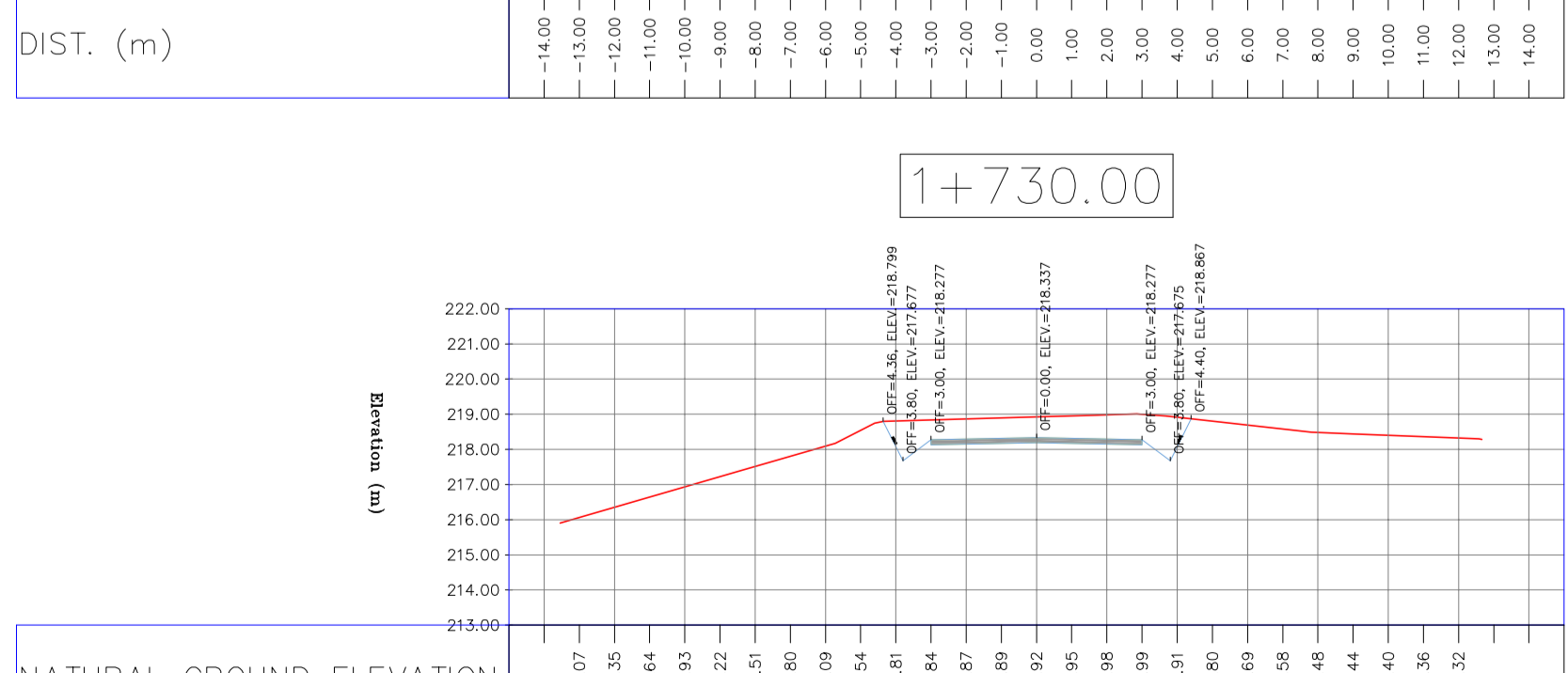
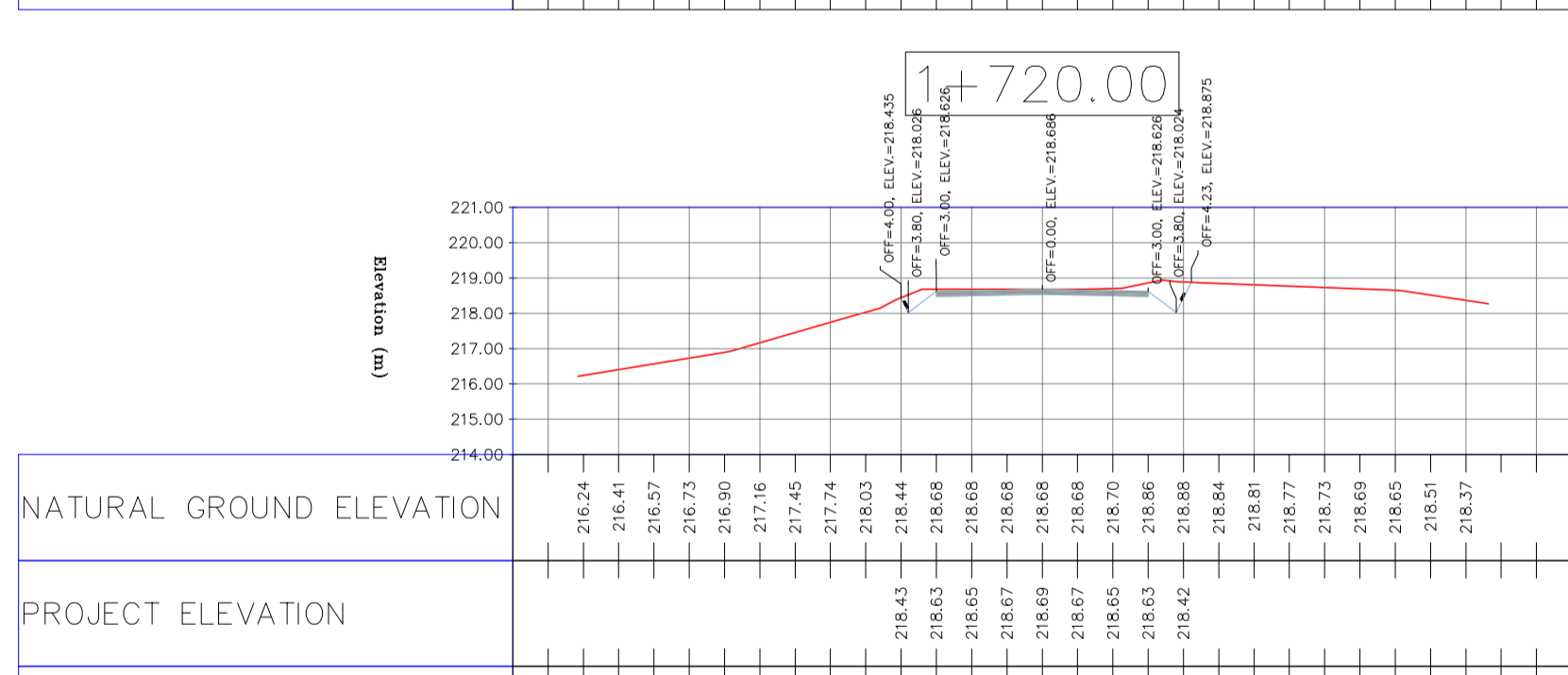
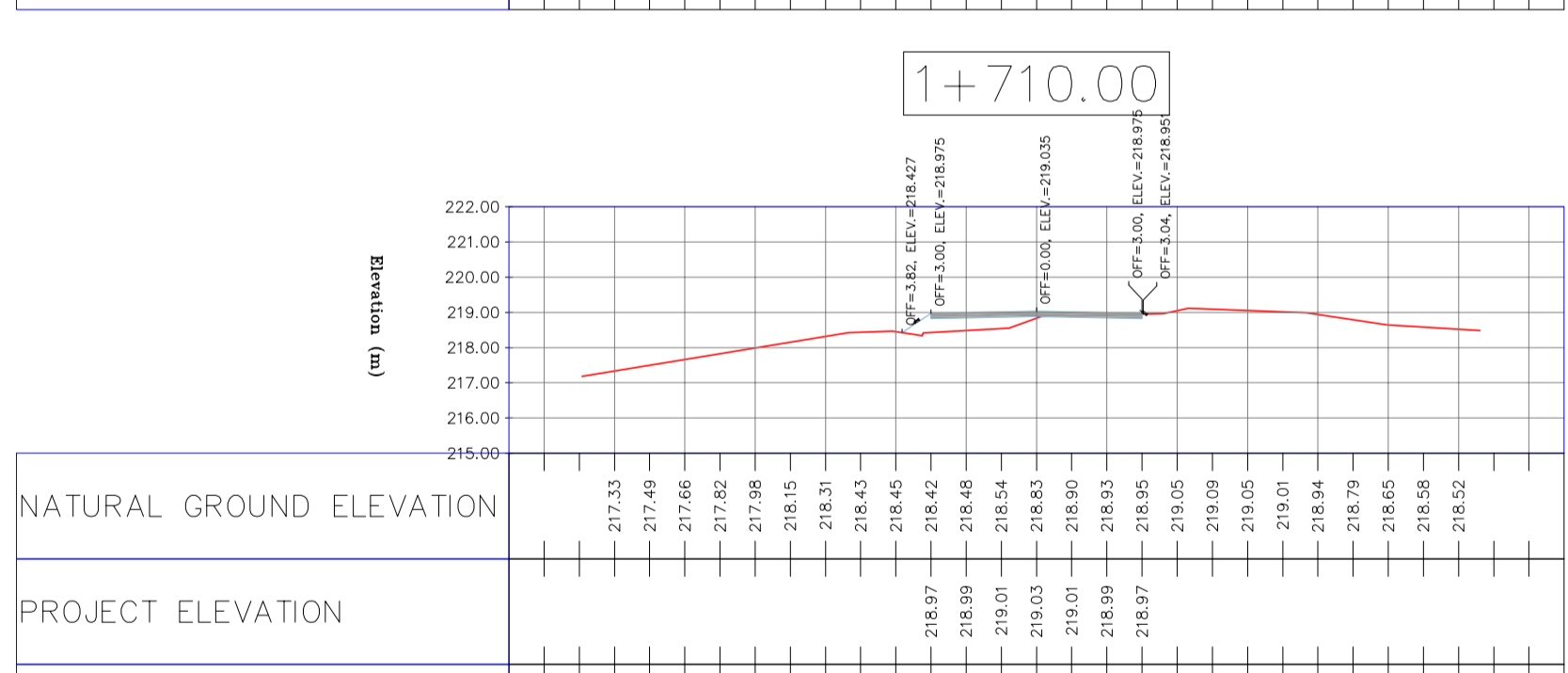
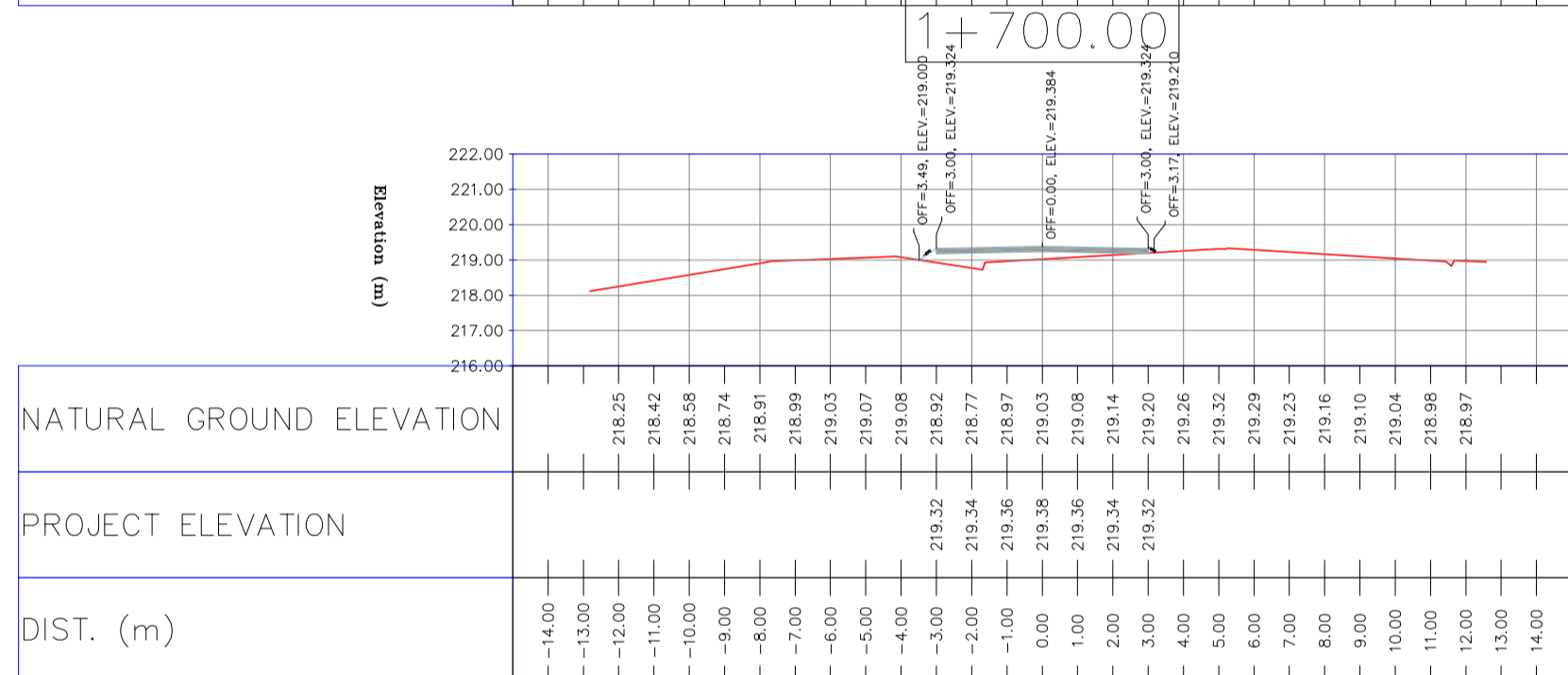
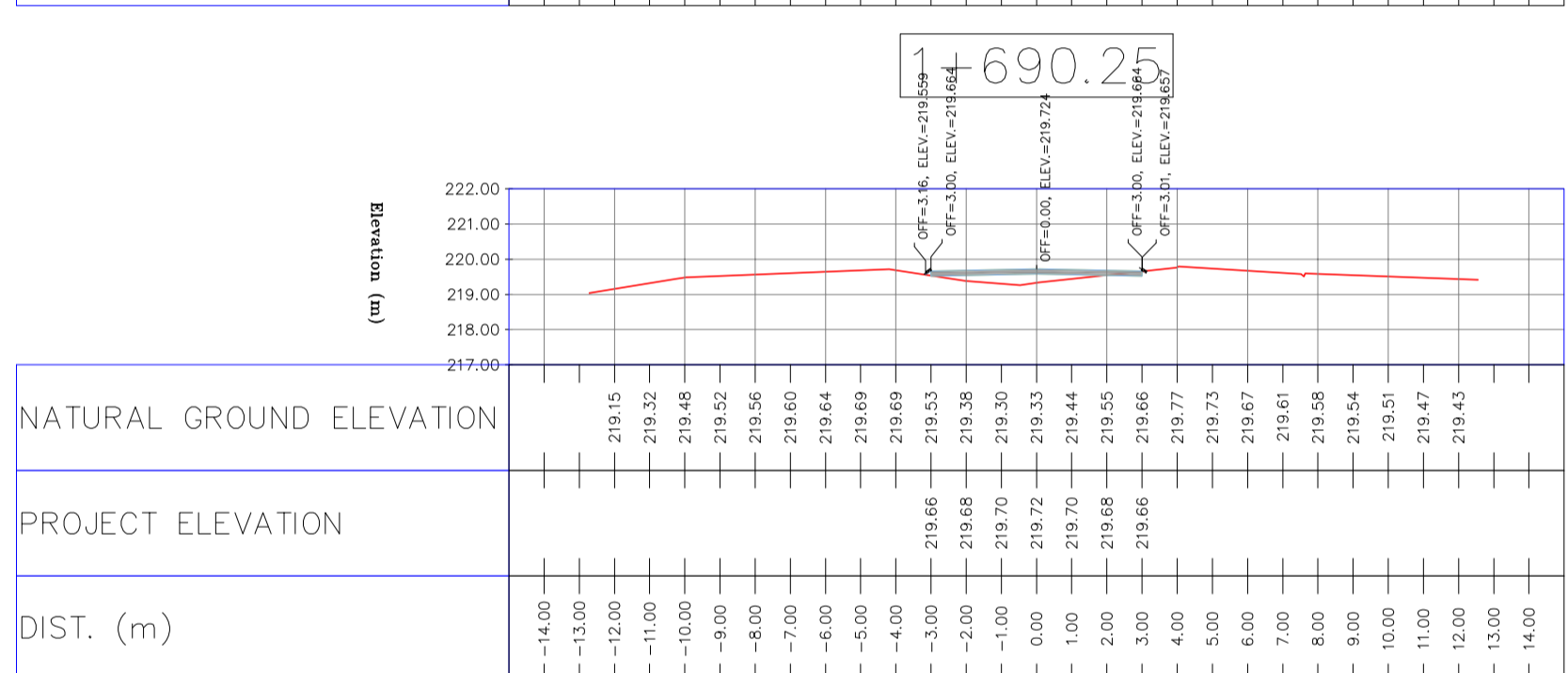
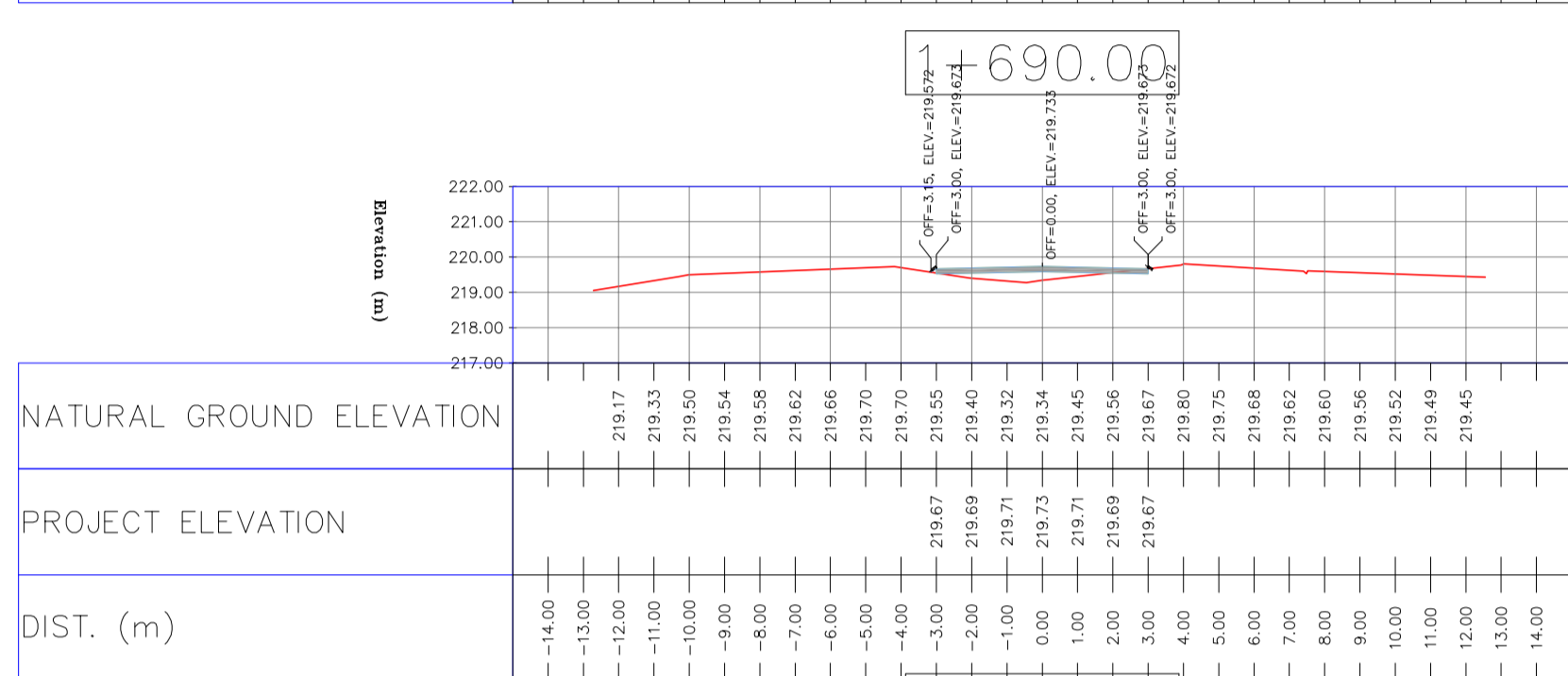
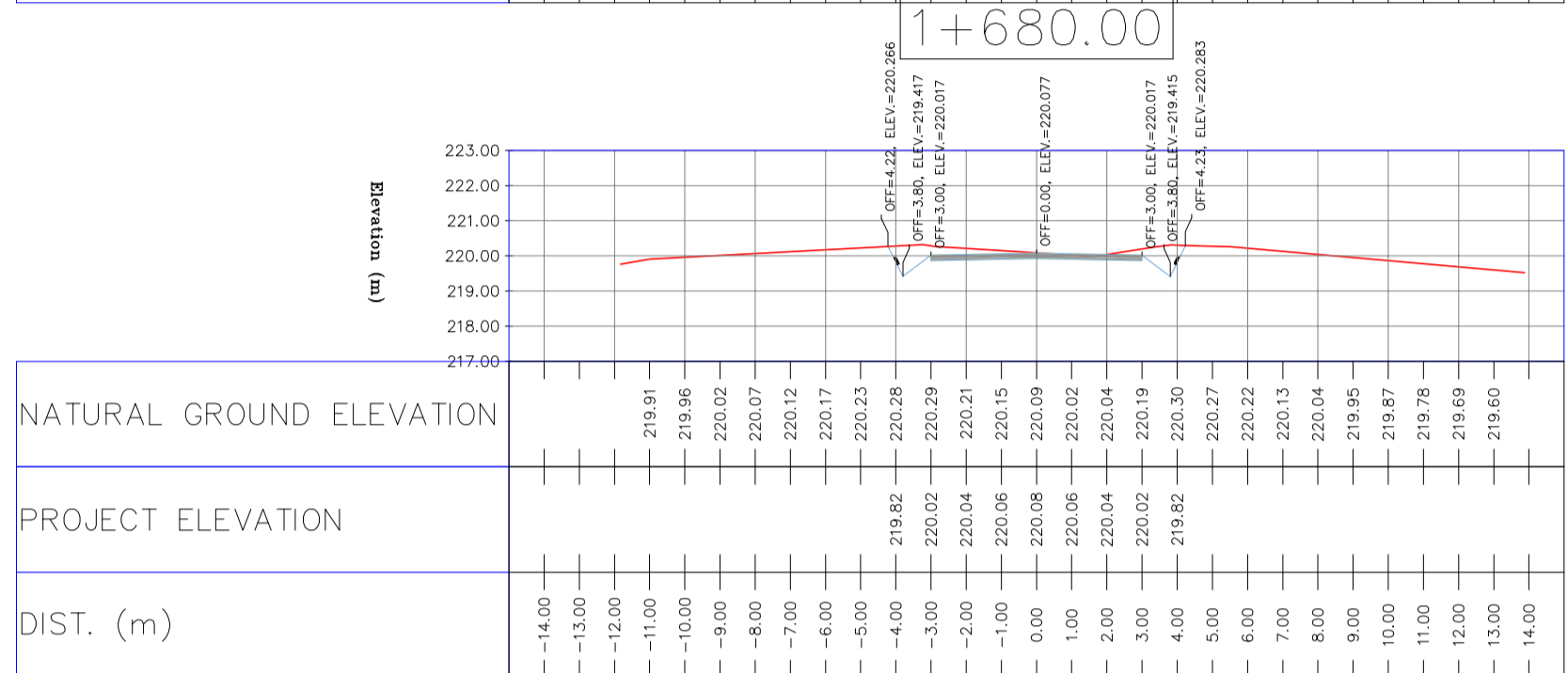
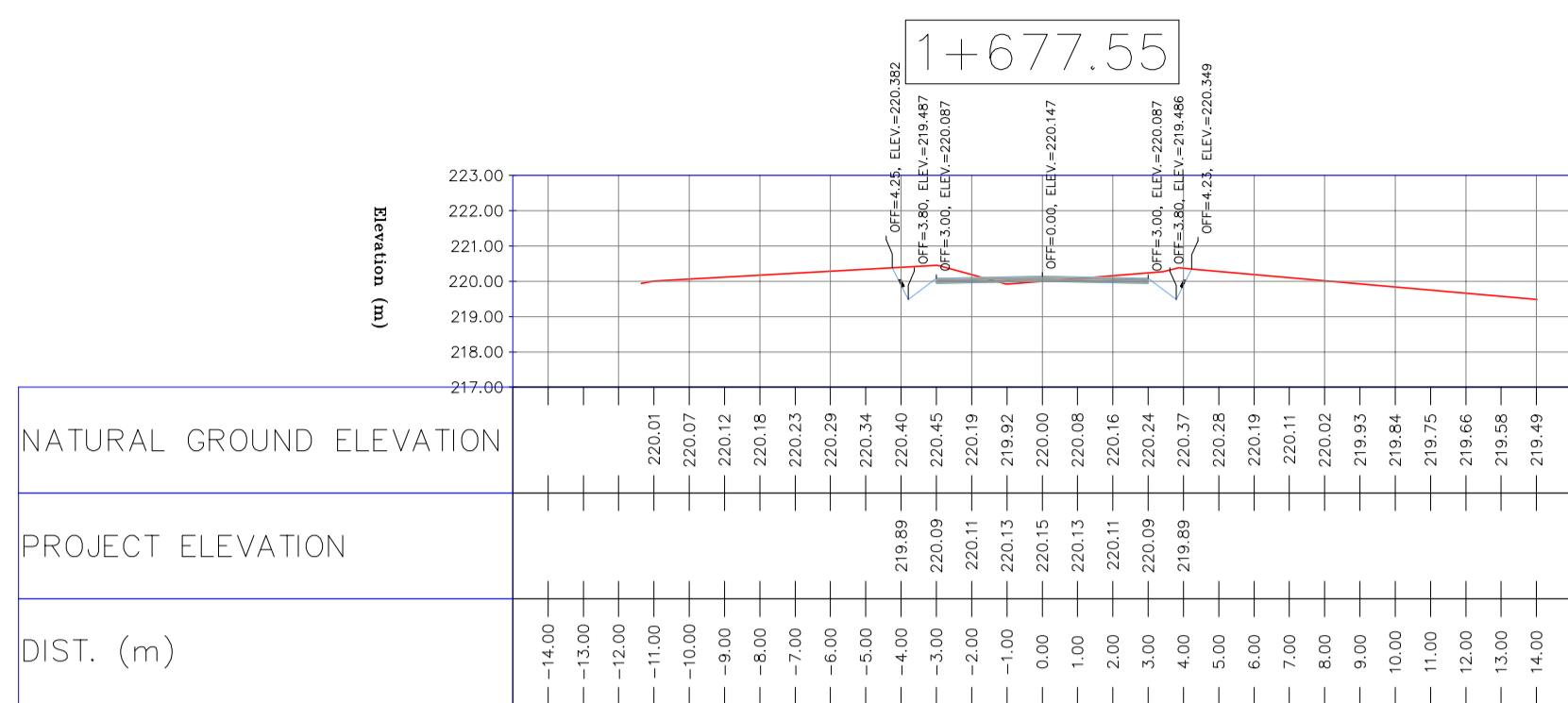
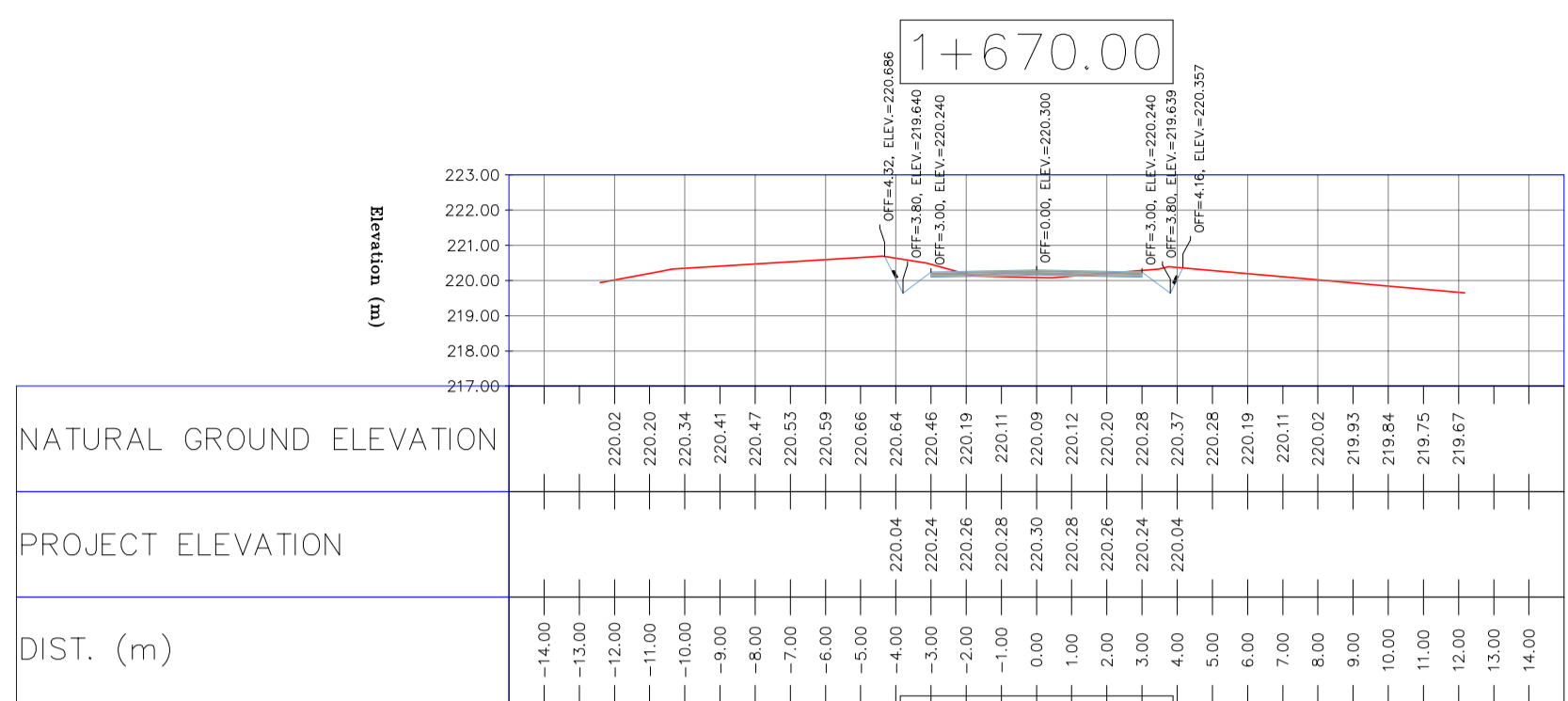
ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGN OF VERTICAL CURVE STATION
 BVCE= BEGN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
 PROJECT NO.: 971020
 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
 EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY
 DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14
 SCALE: A1
 SHEET NO.: 50 OF 98
 REV: D04
 BUDGET REF.: 053-073-9184
 LOCATION: F
 SIZE: 4
 CLASS: S
 SERIAL NO.: 708209
 SHEET: 50
 REVISION: D04



NOTES

- 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
- 2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- 4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207,
IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK"
DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- 5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN....) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

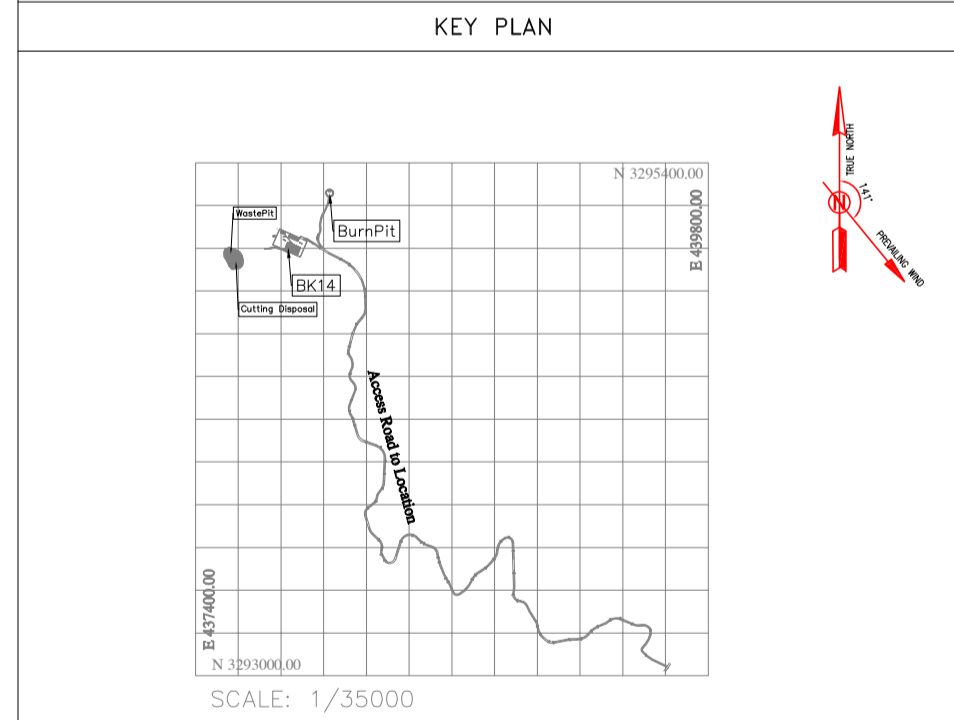
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan - BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGIN OF VERTICAL CURVE STATION
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
PROJECT NAME:								BINAQ OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS			
PROJECT NO.:								971020			
EPC CONTRACTOR:											
EPD/EPC CONTRACTOR(GC):											
DRAWING TITLE:											
CIVIL AND STRUCTURAL DRAWINGS - BK14											
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	52 OF 98	D04	053-073-9184	F	4	S	708209	52	D04

اصل و کليه نسخ اين نقشه و حق اقتباس متعلق به شرک ملل مناطق نفت خيز جنوب مي باشند.
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: _____ DATE: _____

NOTES

- 1- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- 2- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 3- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- 4- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAI-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- 5- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

LEGEND

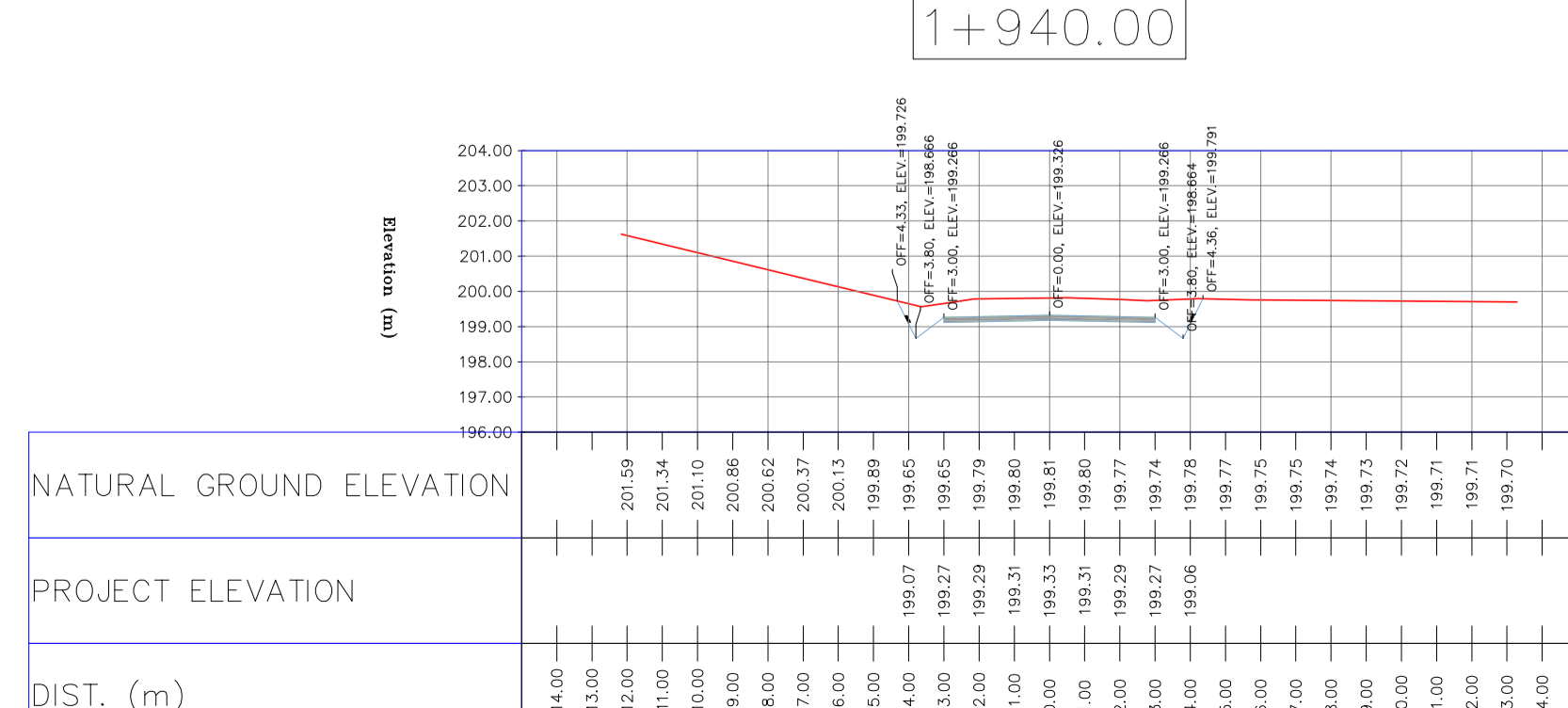
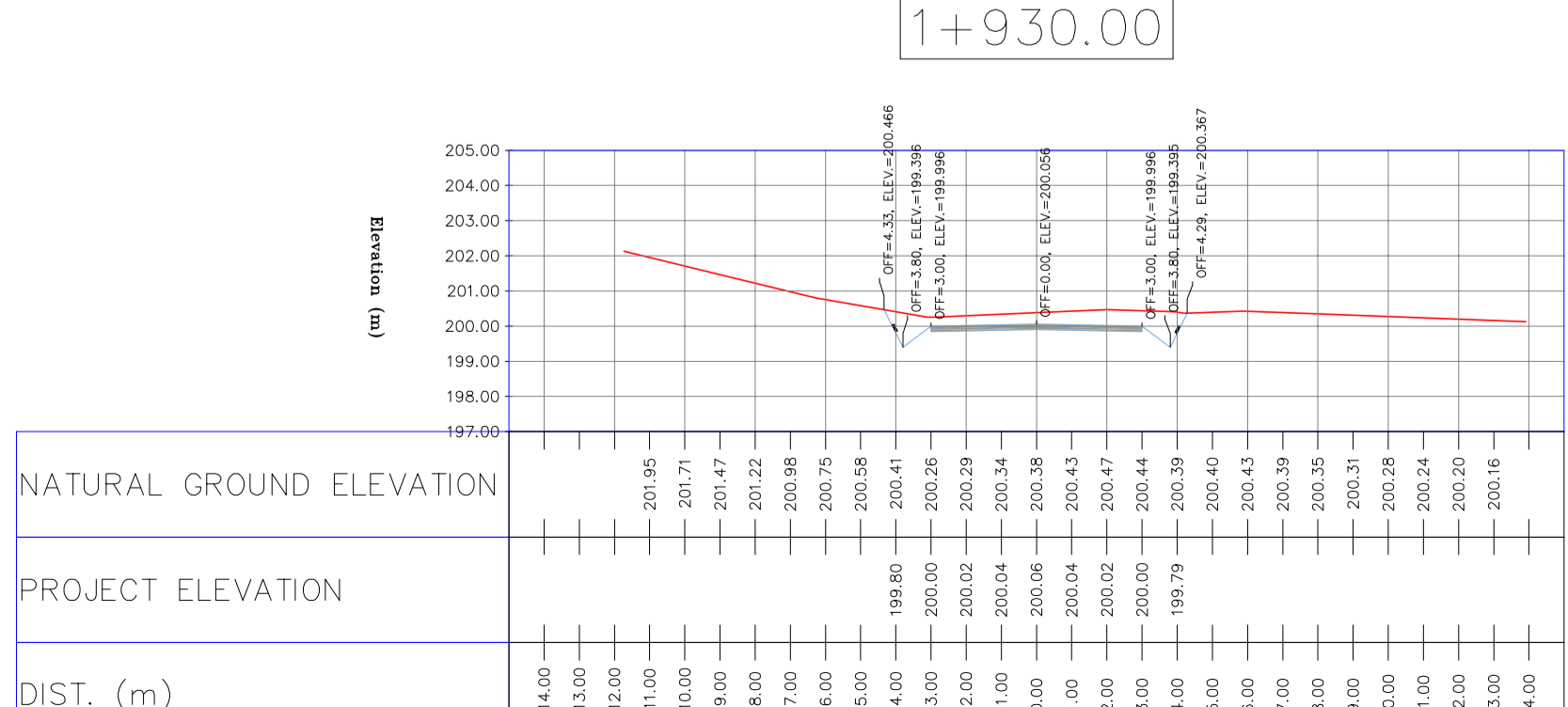
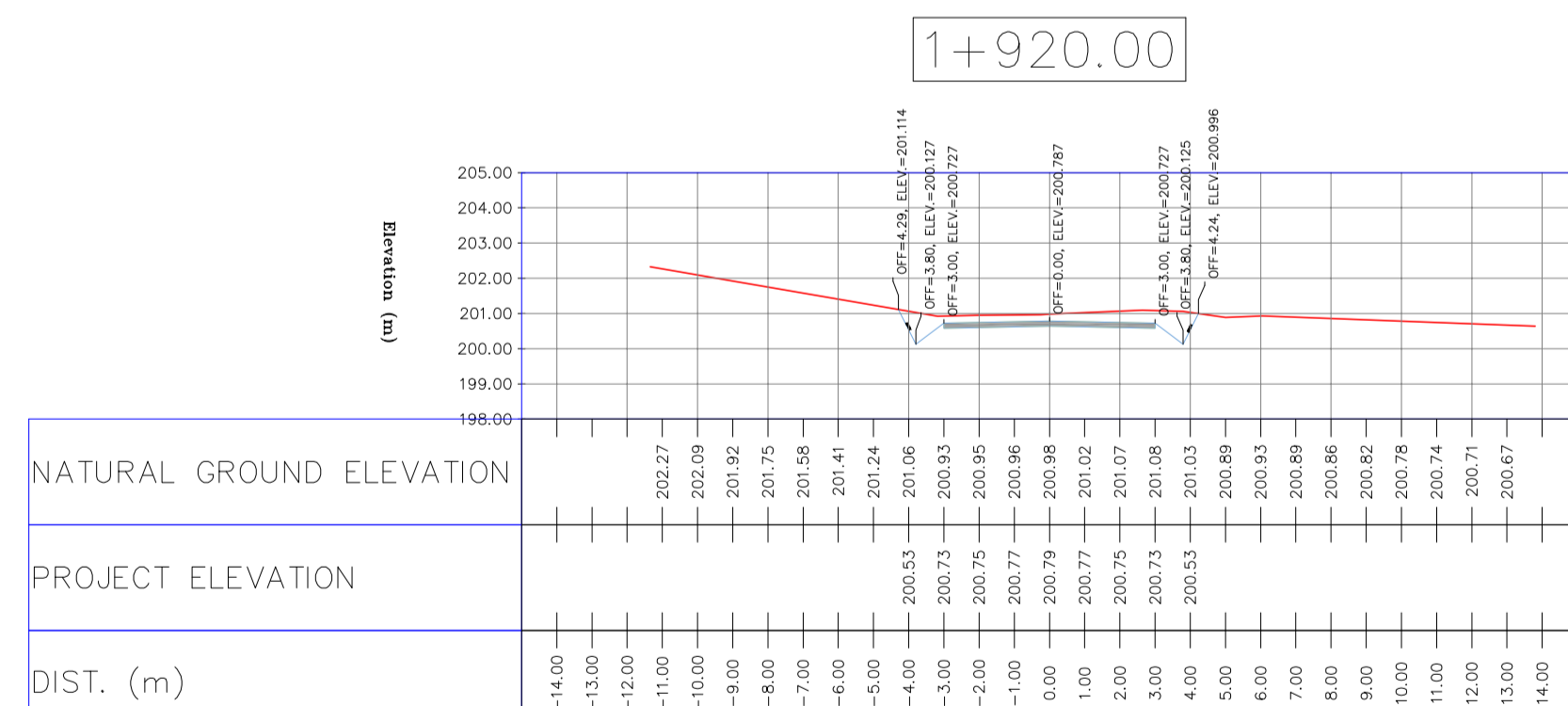
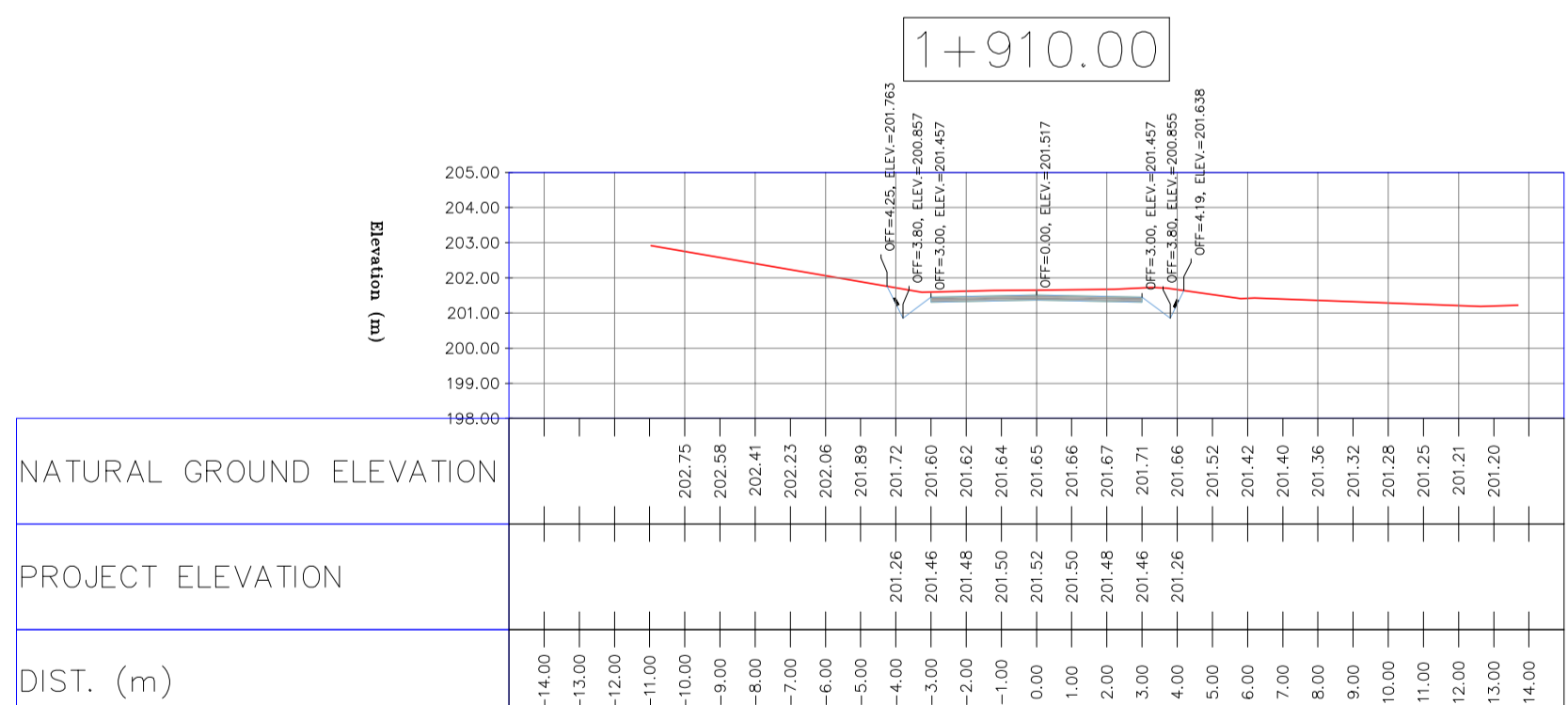
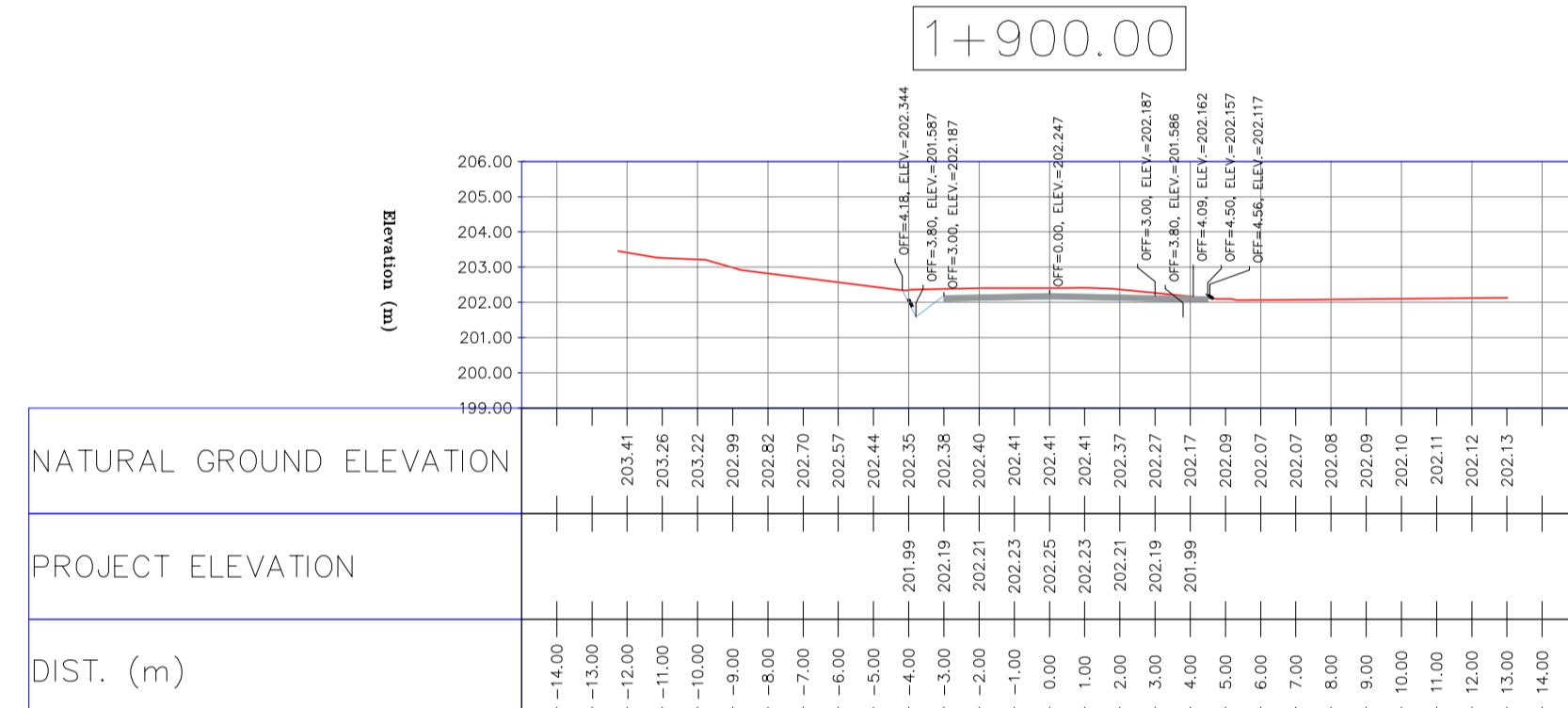
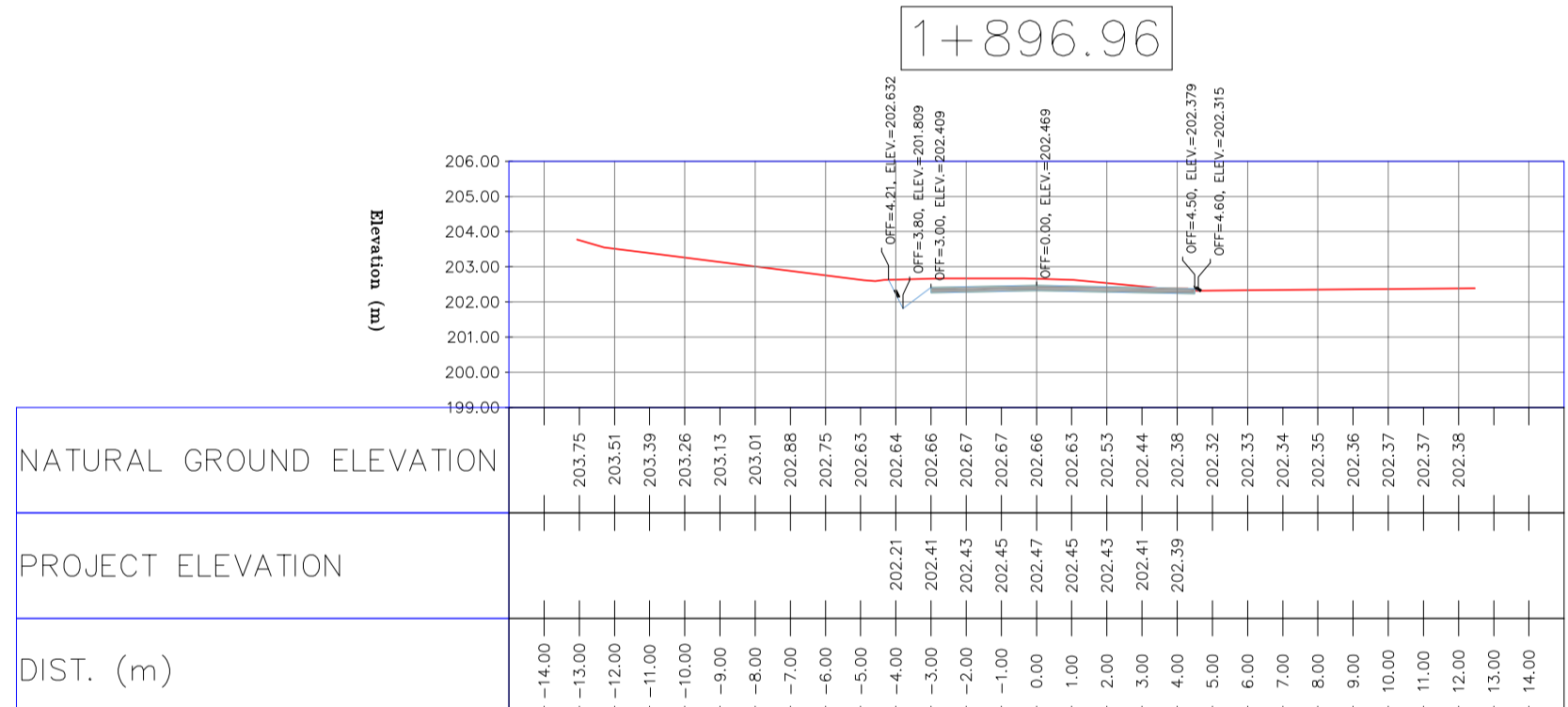
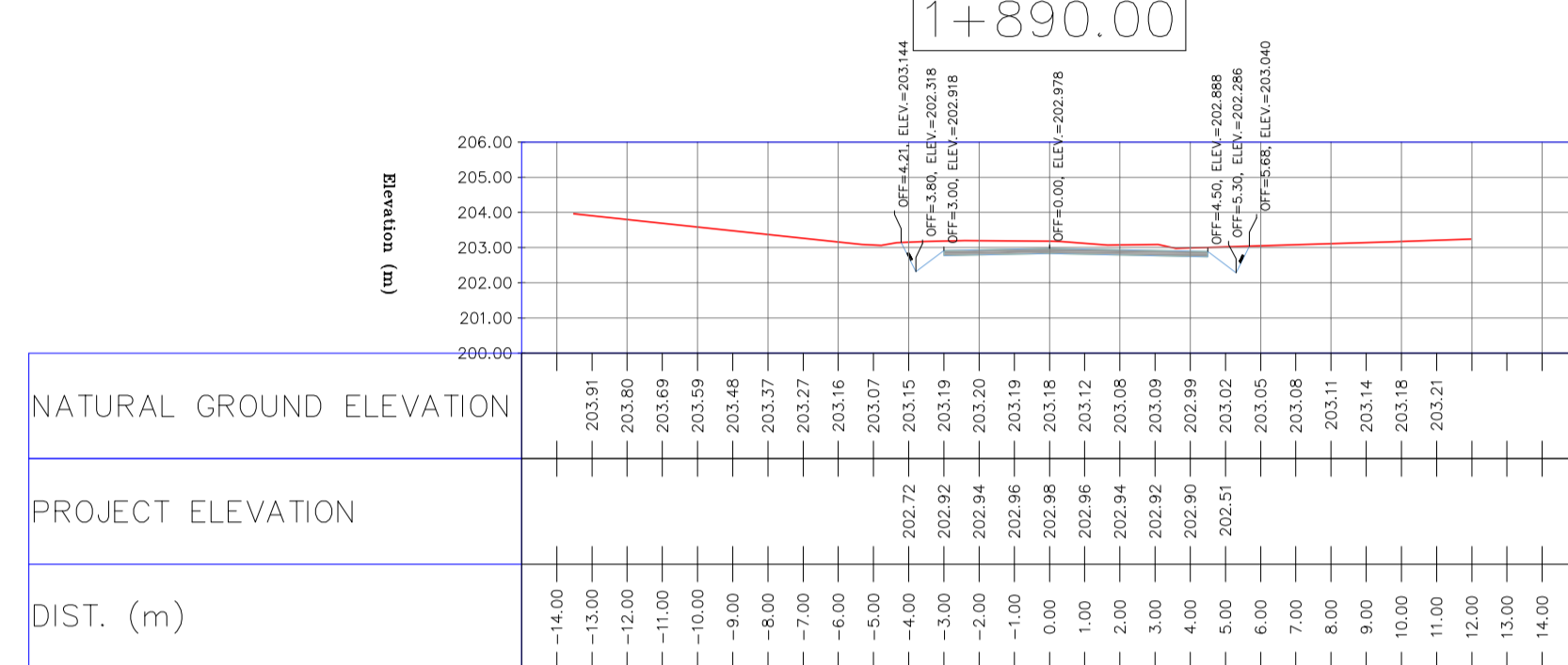
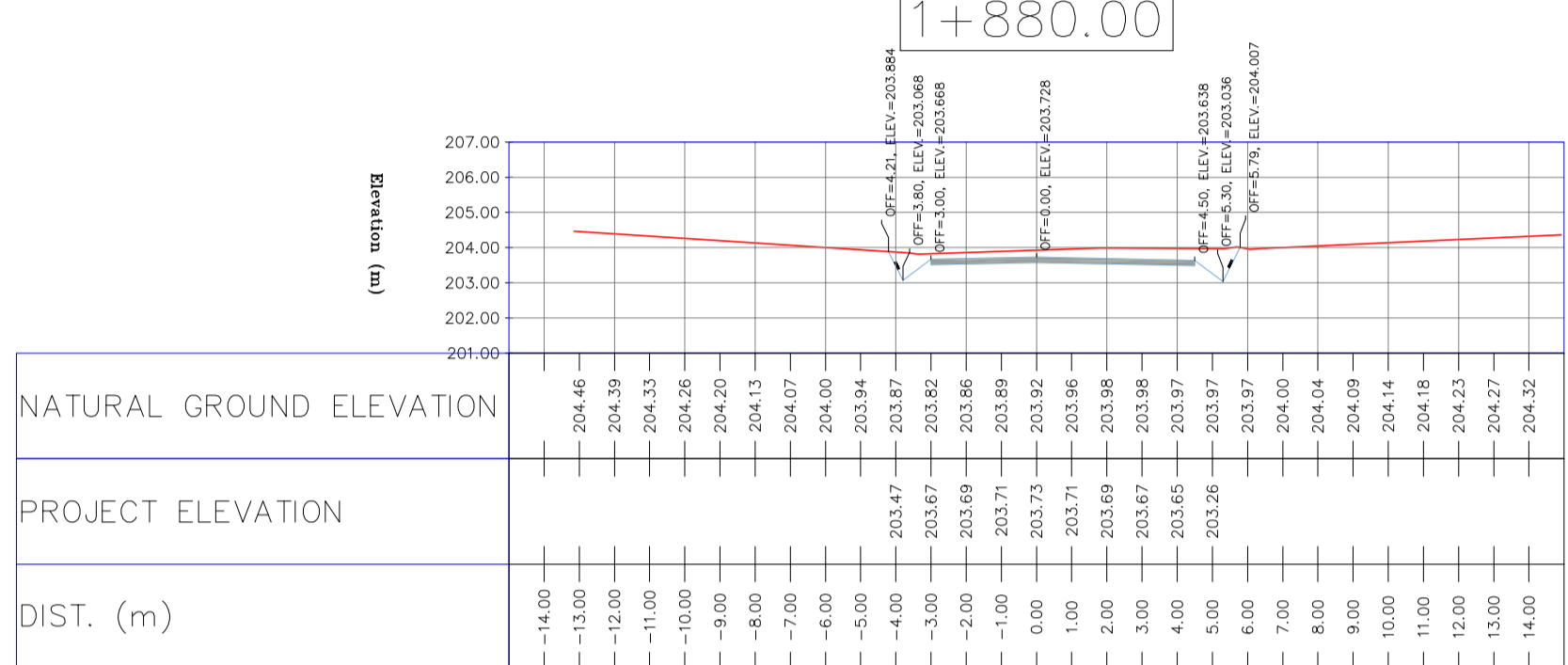
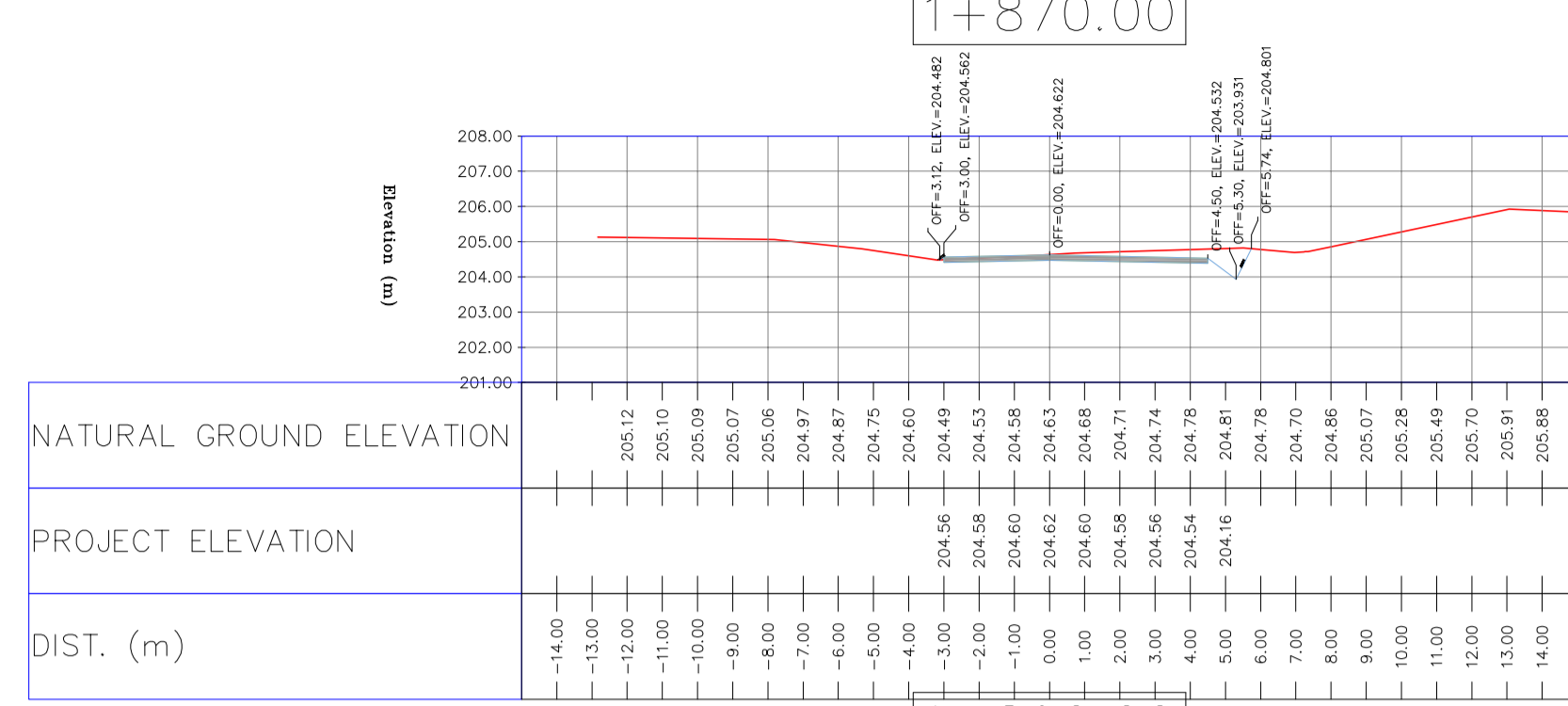
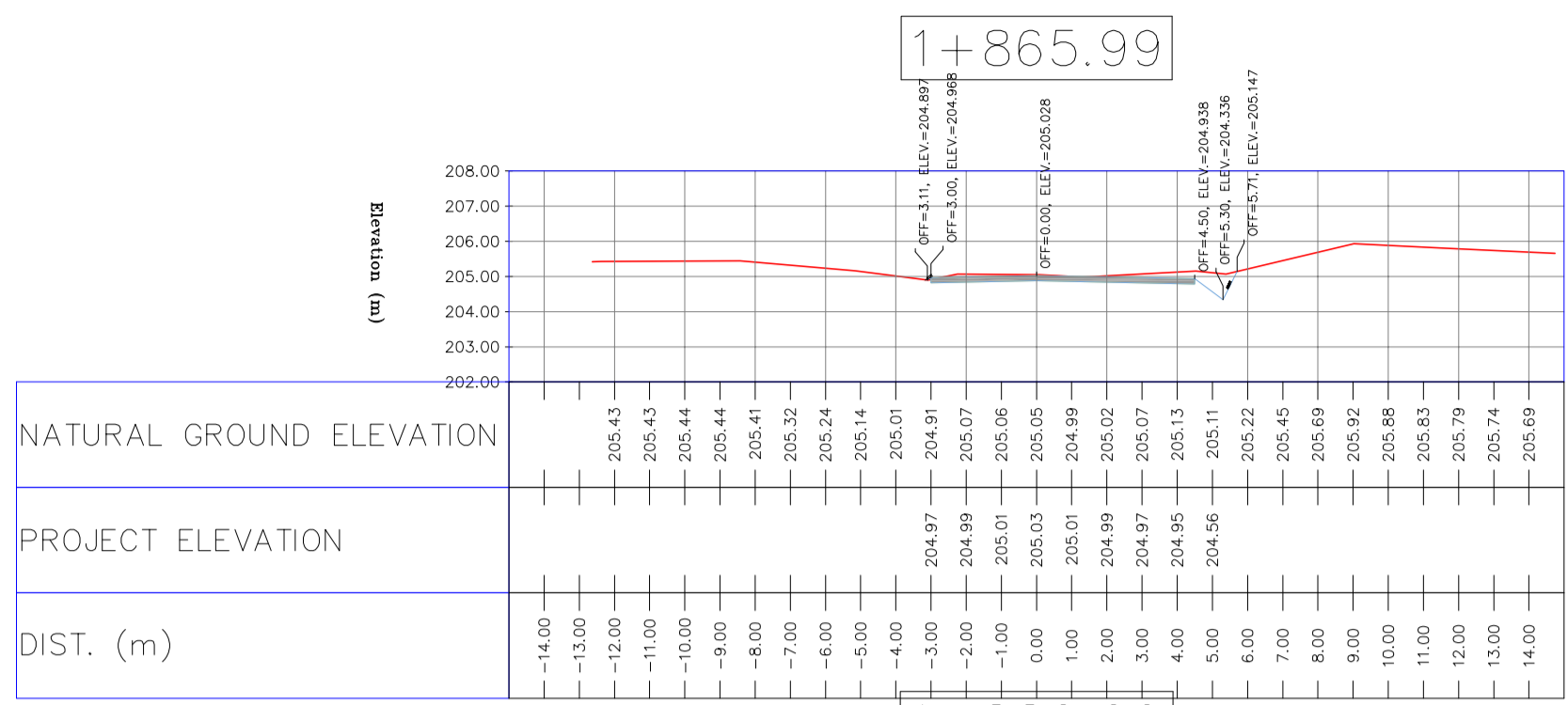
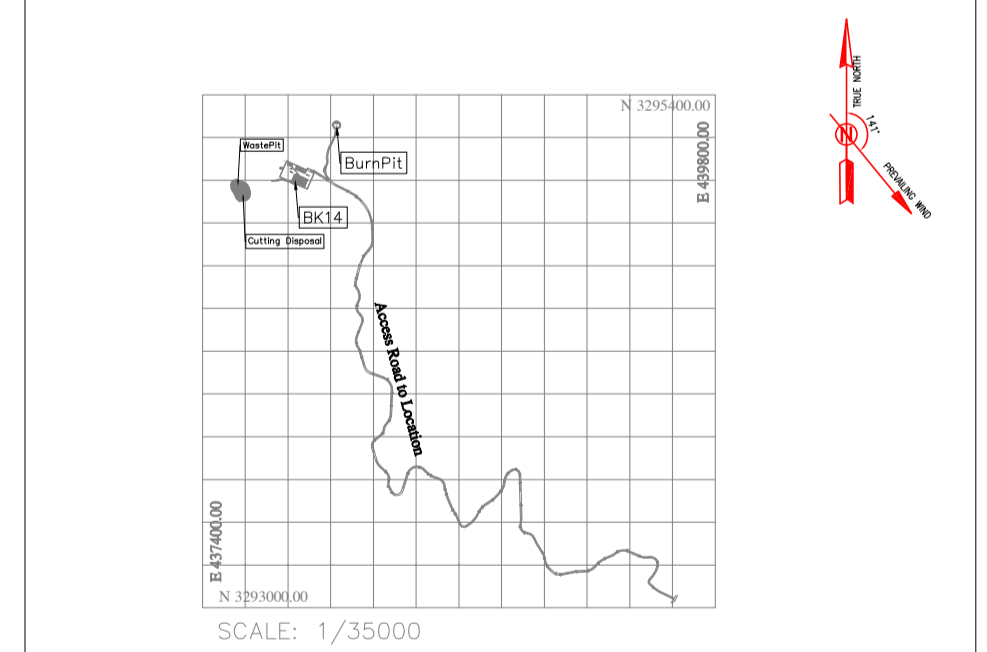


REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan - BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAI-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAI-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRAI-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

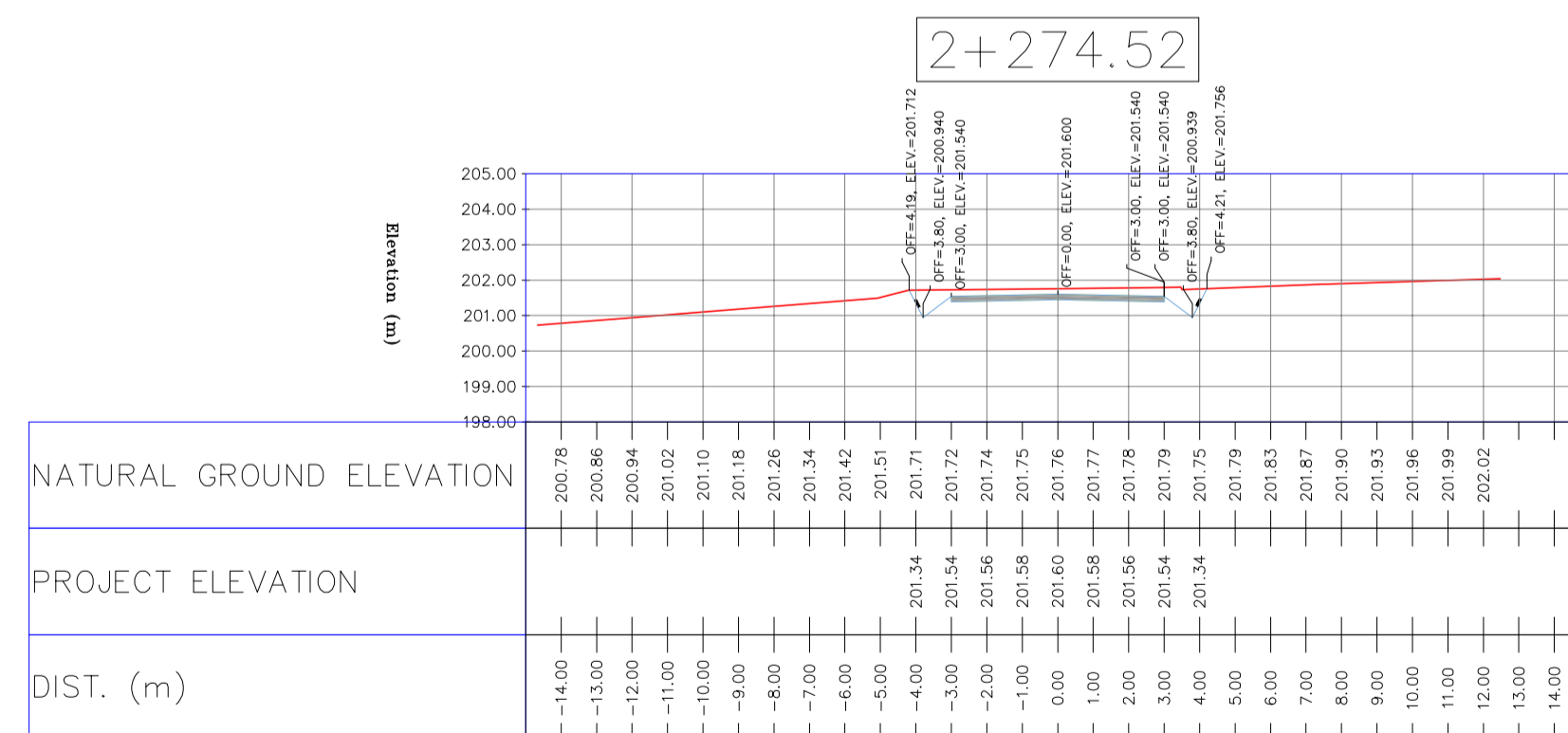
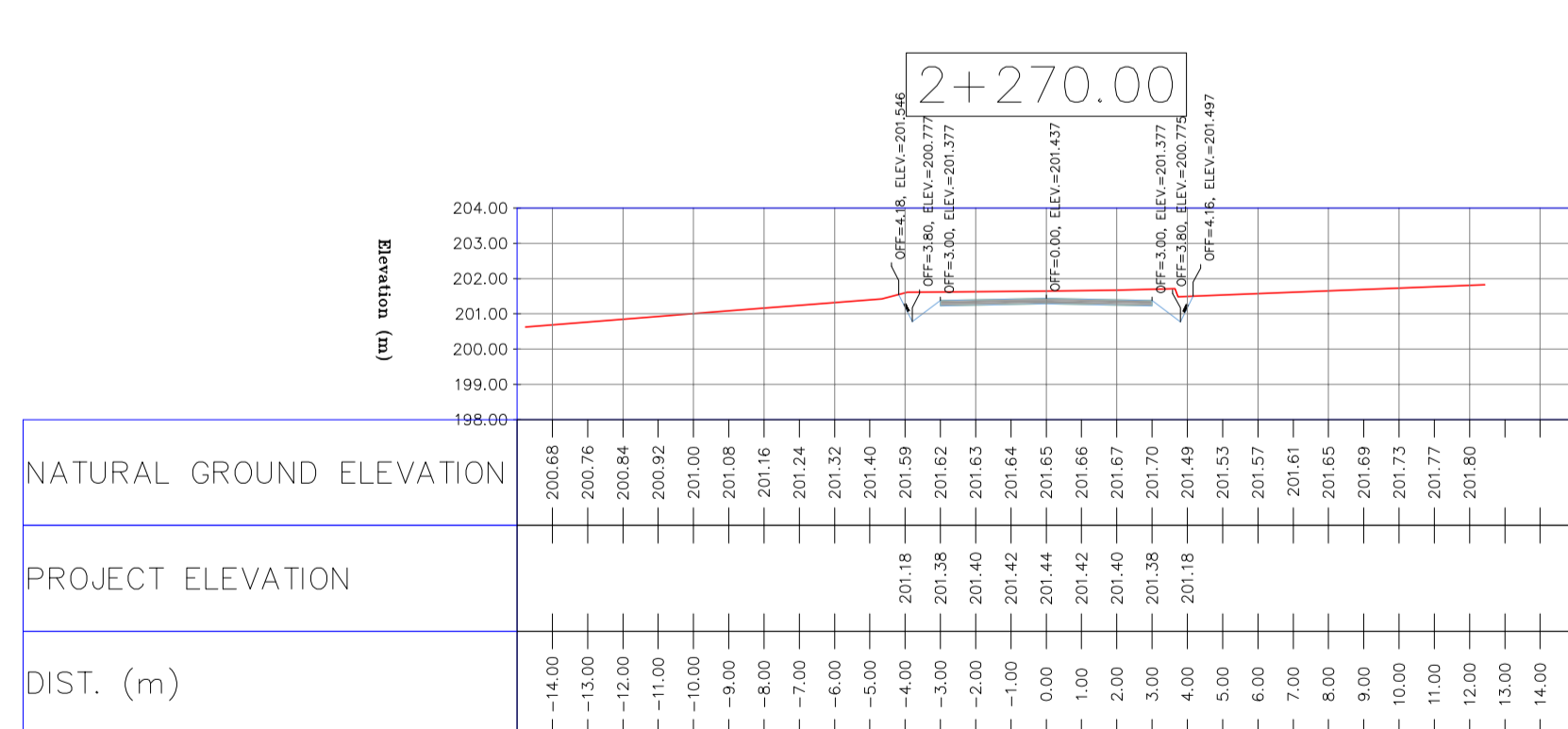
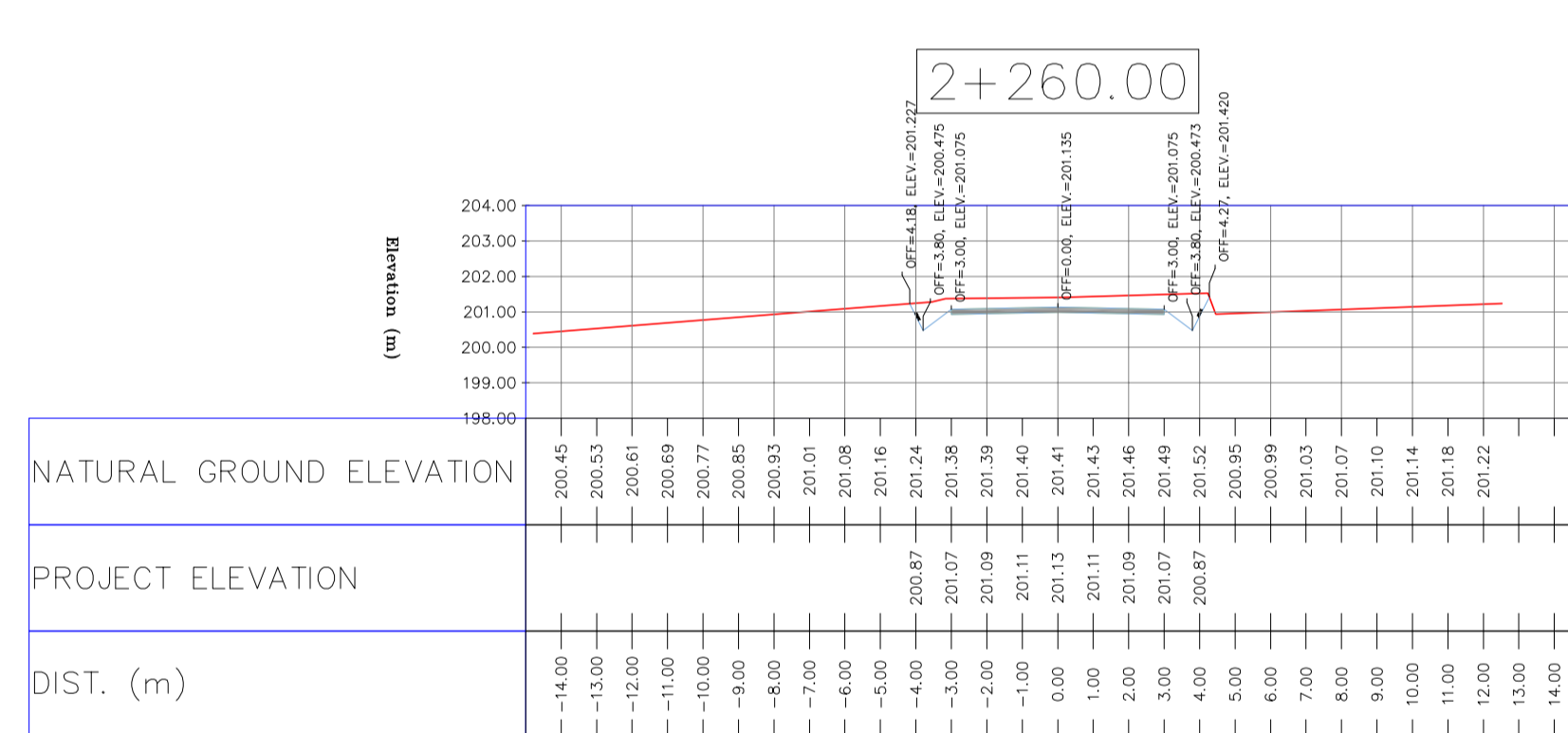
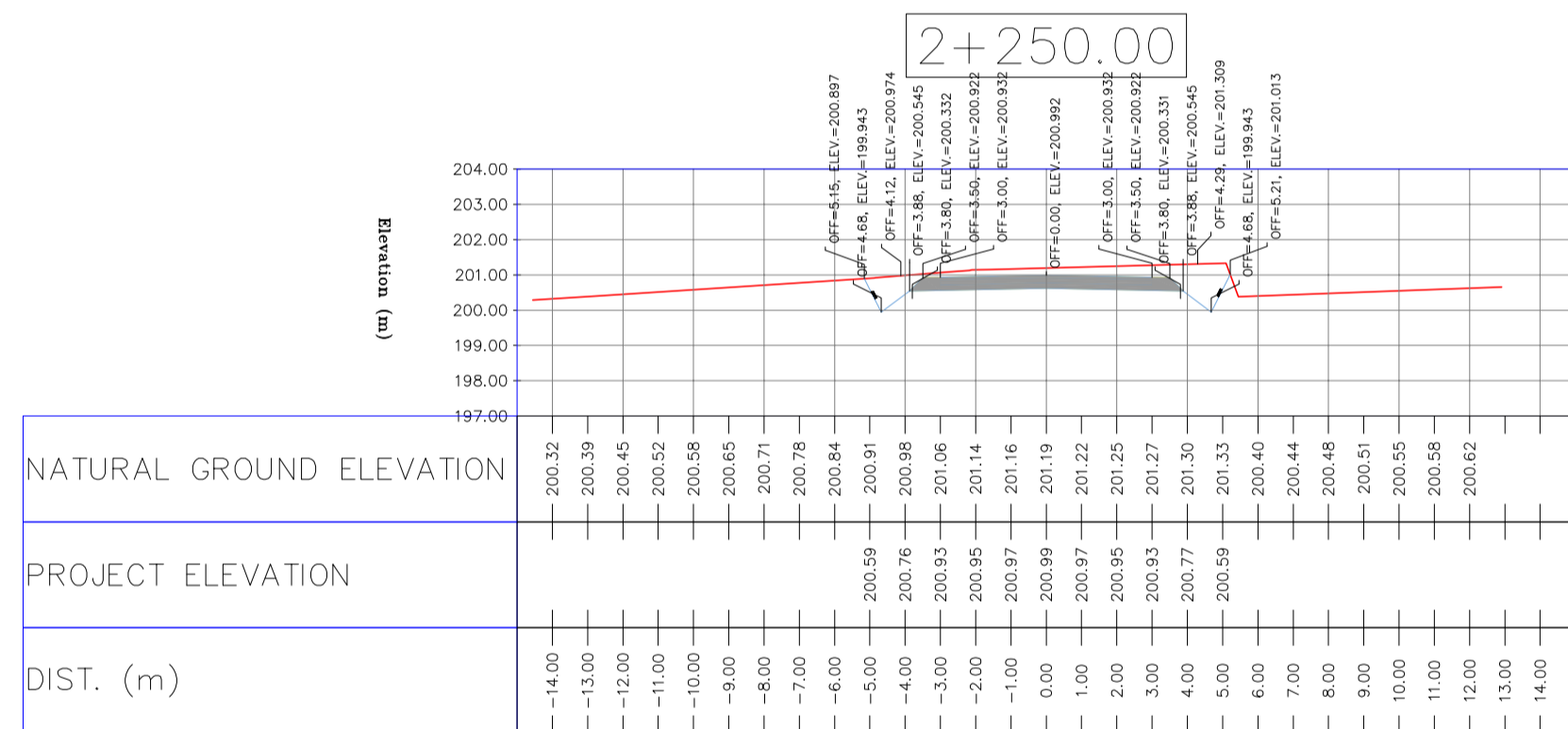
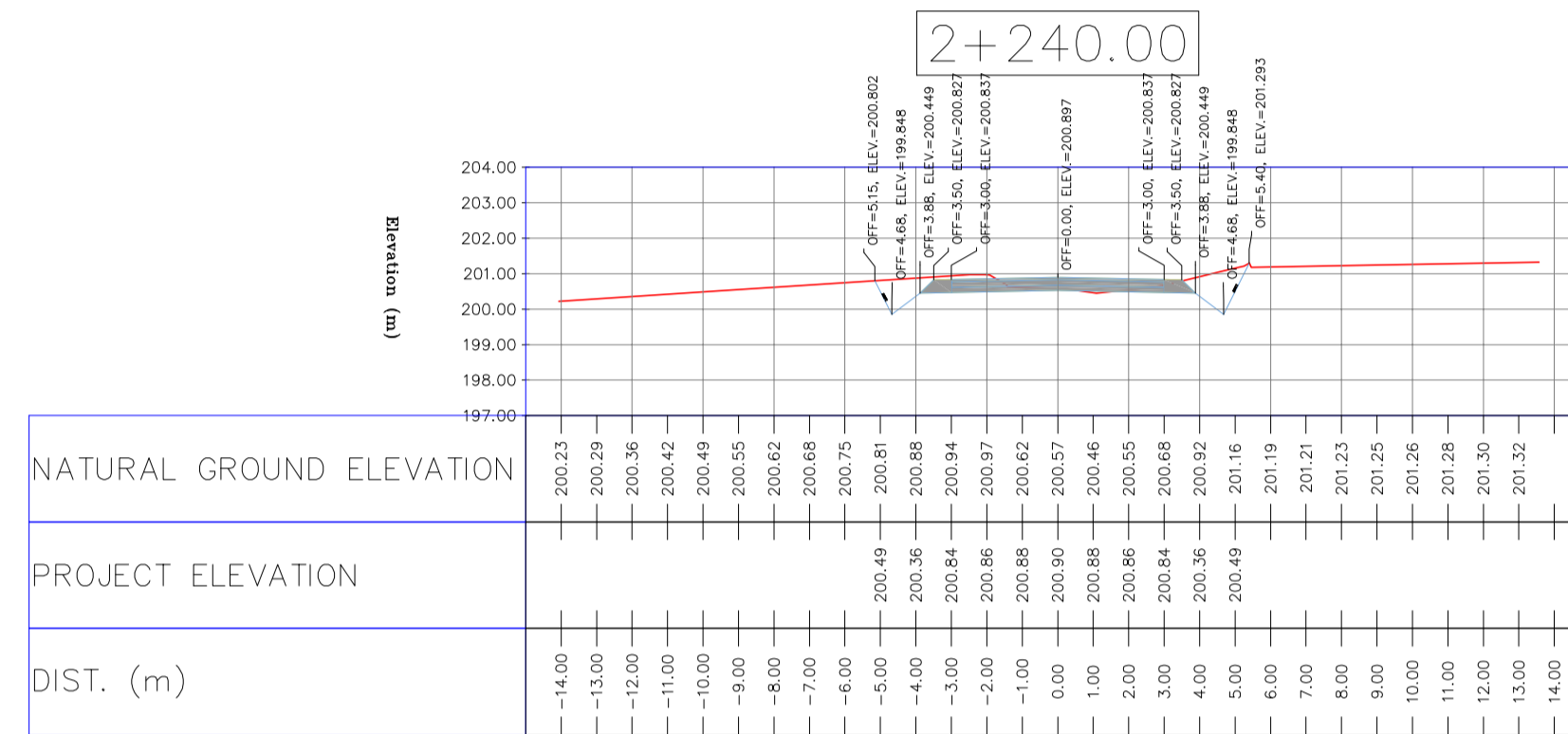
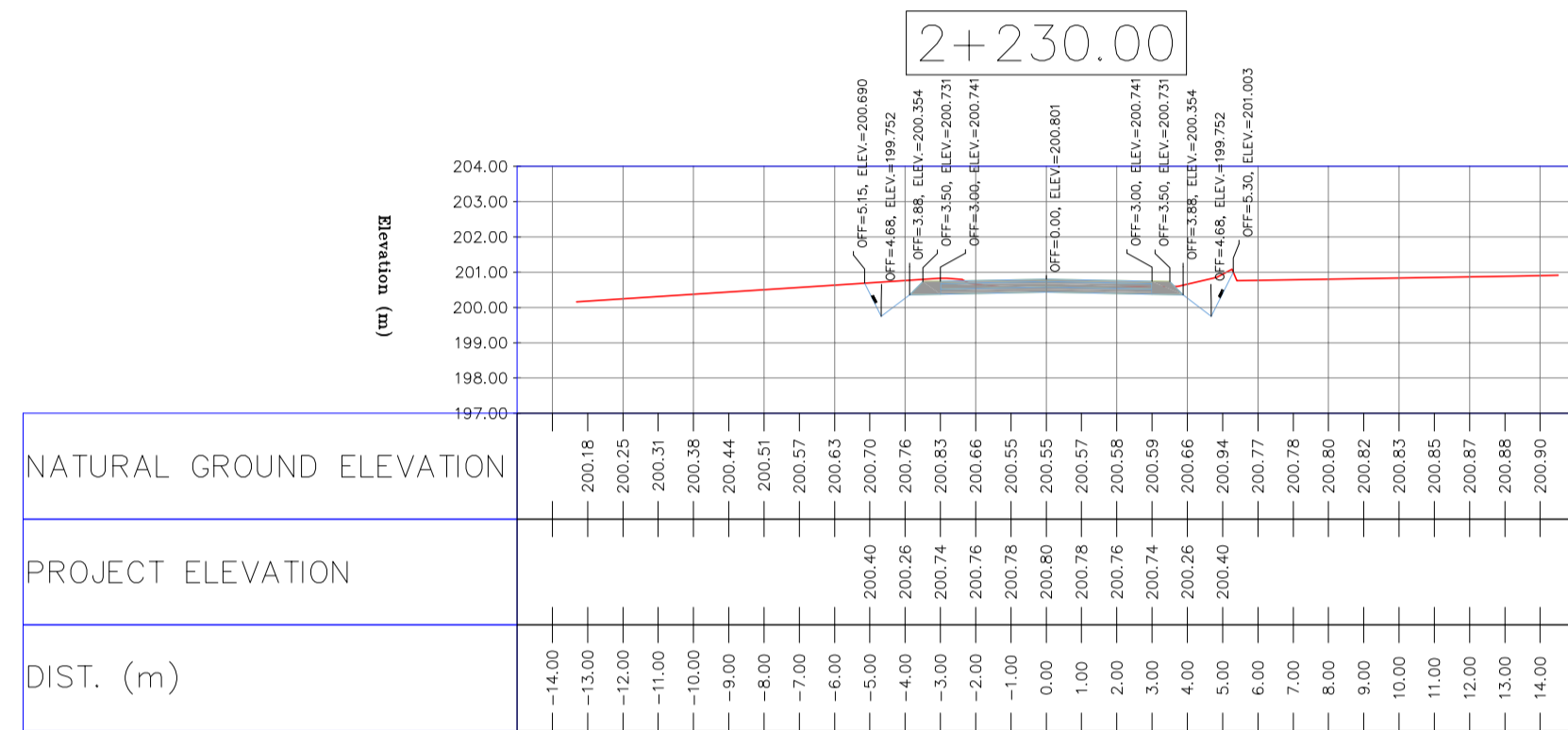
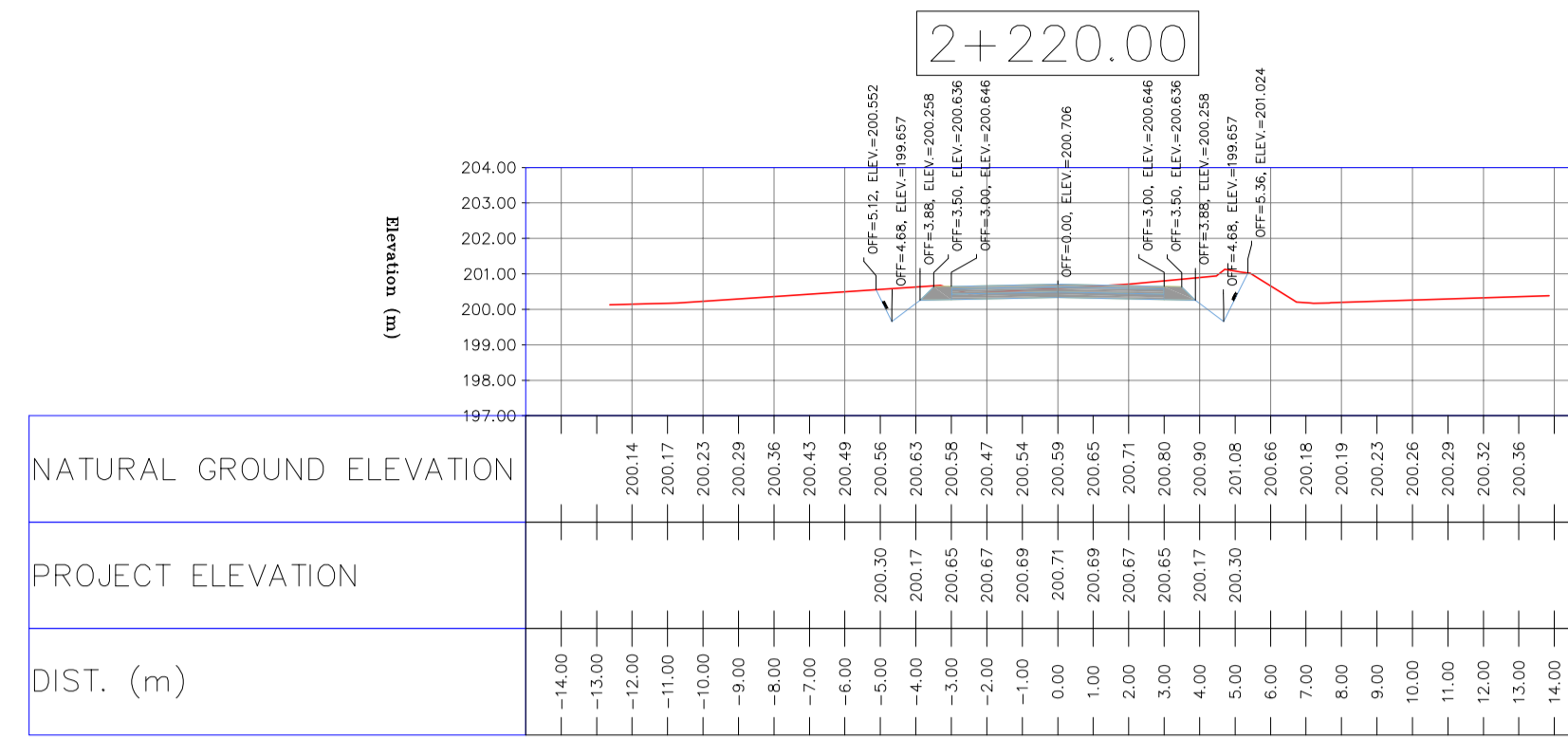
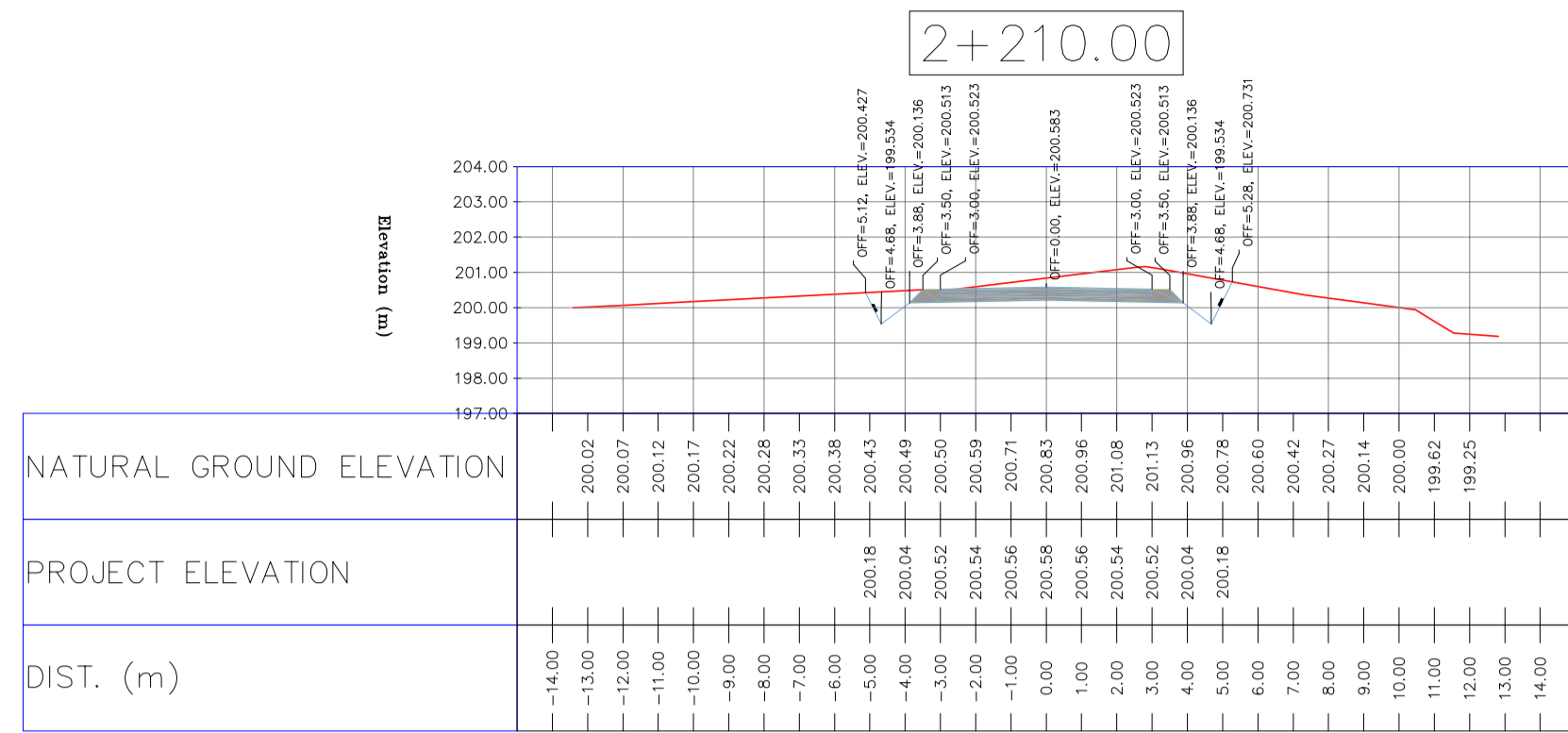
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

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
053-073-9184	F	4	S	708209	55	D04



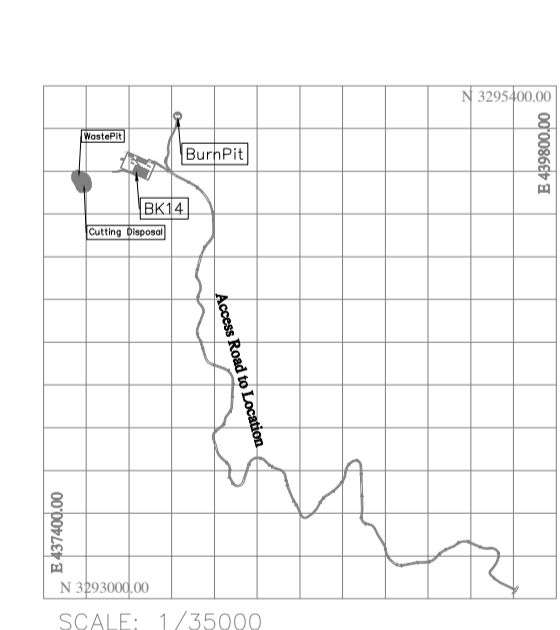
NOTES
1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
3-GEODETTIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN....) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

LEGEND table listing symbols for Well Location, Well, Site, Camp Site, Asphalt Road, Gravel Road, Proposed Road, Daylight, Canal, River, Water Course, Contours, Spot Height, Bench Mark, Bridge, and Culvert.

REFERENCE DRAWING table listing drawing titles and numbers such as General Civil Layout - BK14, Rough Grading Plan - BK14, etc.

ABBREVIATION table defining terms like PT= POINT, PVI= POINT OF VERTICAL INTERSECTION, LVC= LENGTH OF VERTICAL CURVE, etc.

KEY PLAN



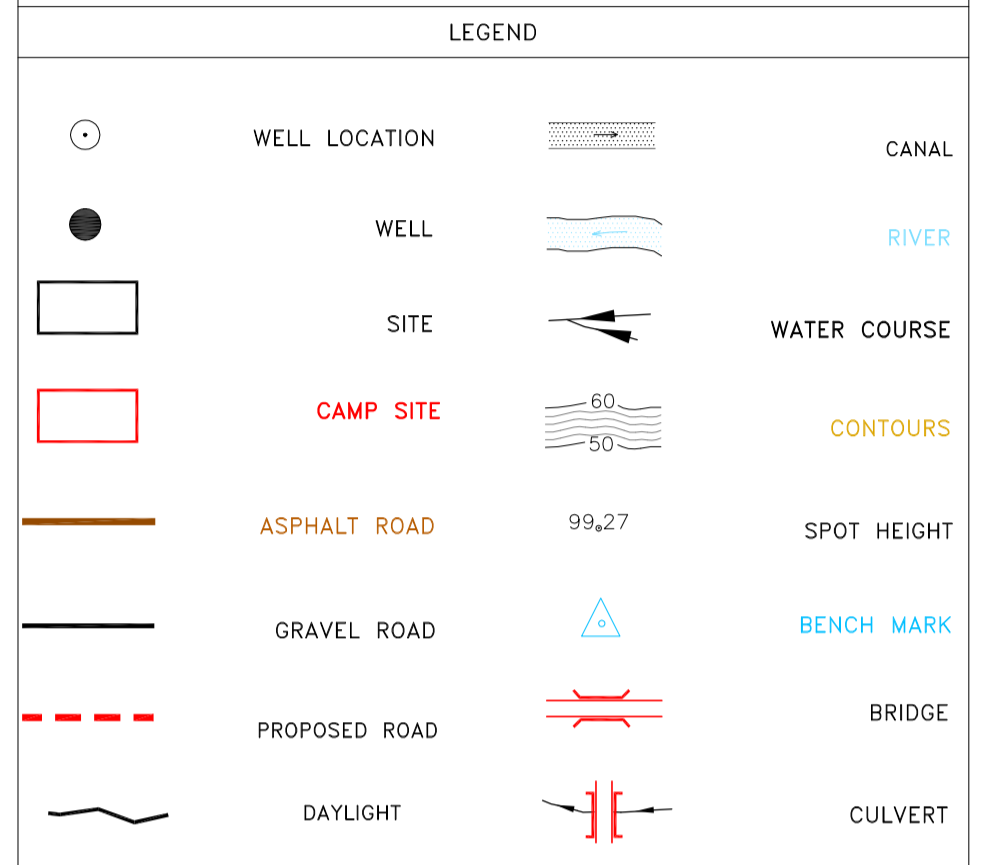
Revision table with columns for REV., DATE, P.O.I.S, PREP., CHK., APP., AUT., and descriptions of changes.

Logos for HIRGAN ENERGY (DESIGN & INSPECTION COMPANIES) and PETROIRAN DEVELOPMENT COMPANY, along with project information like PROJECT NO.: 971020 and EPC CONTRACTOR.

Approval table with columns for DATE, SCALE, DRAWING BY, CHECKED BY, PROJECT ENG., and other fields for signature and date.

NOTES

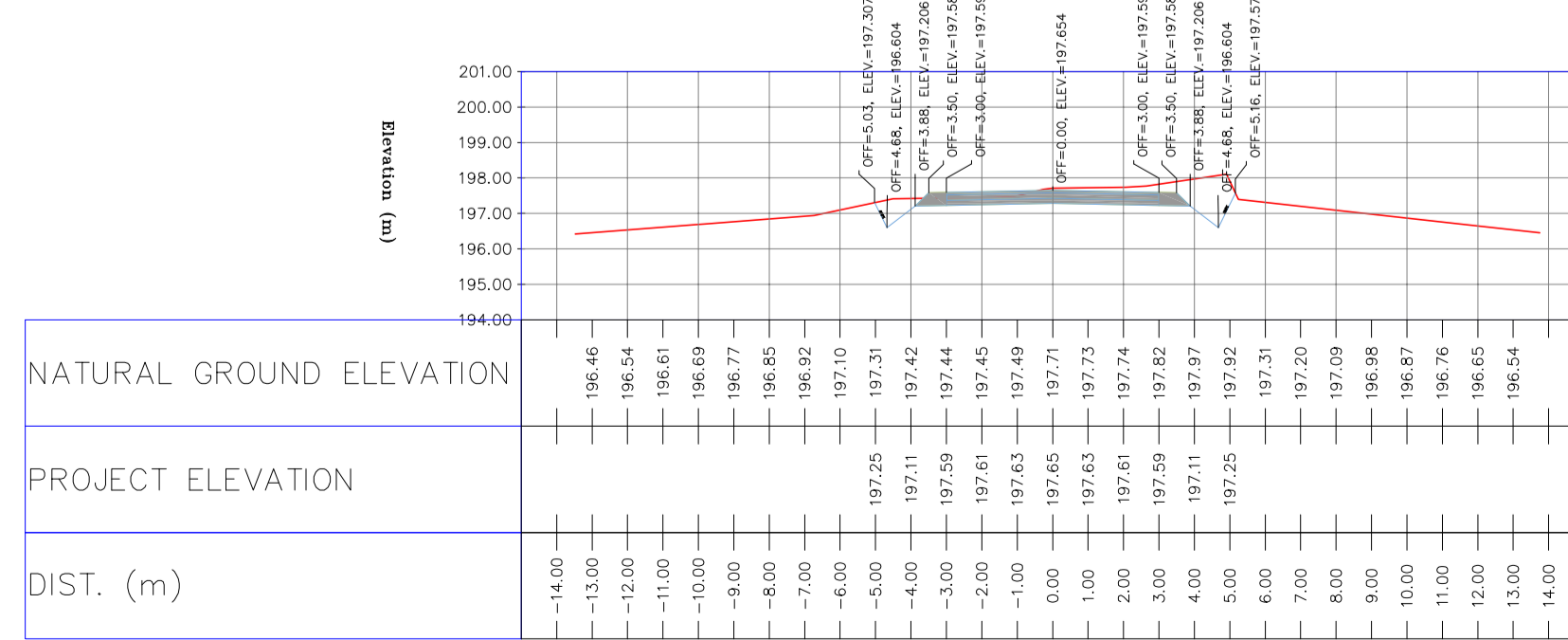
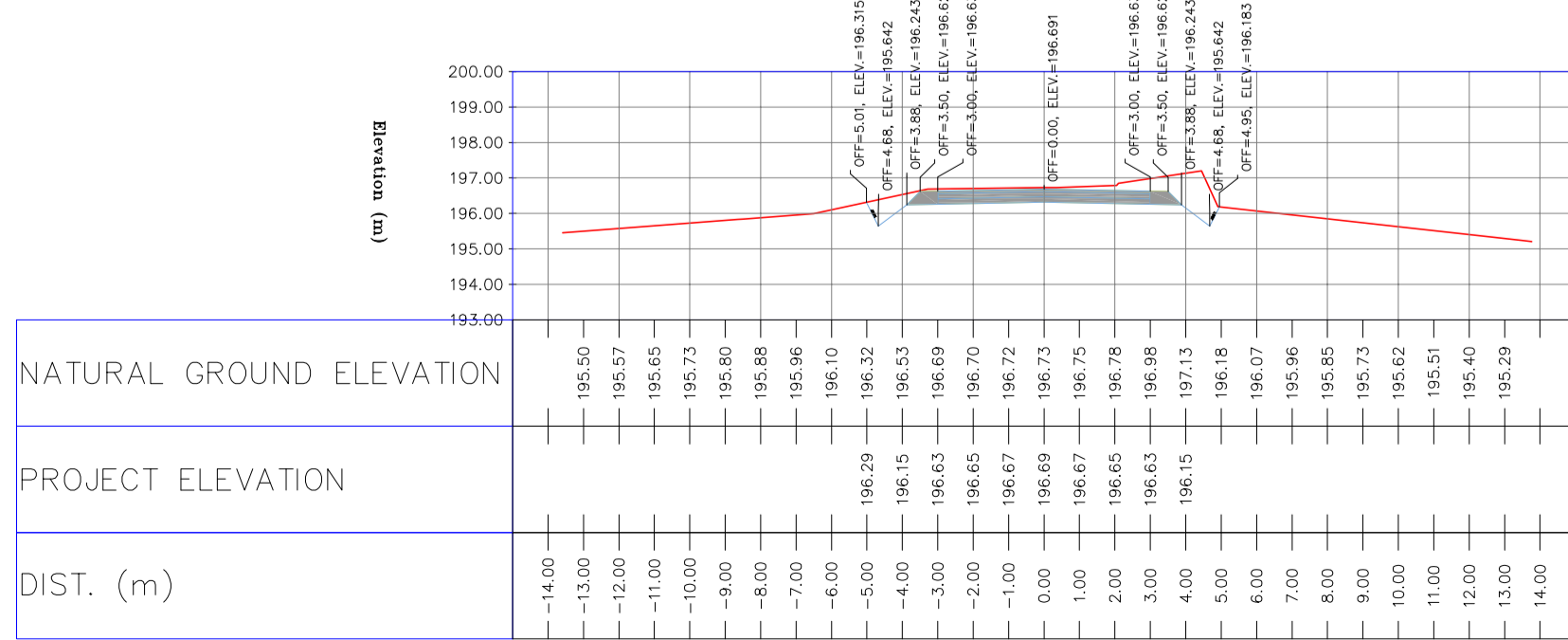
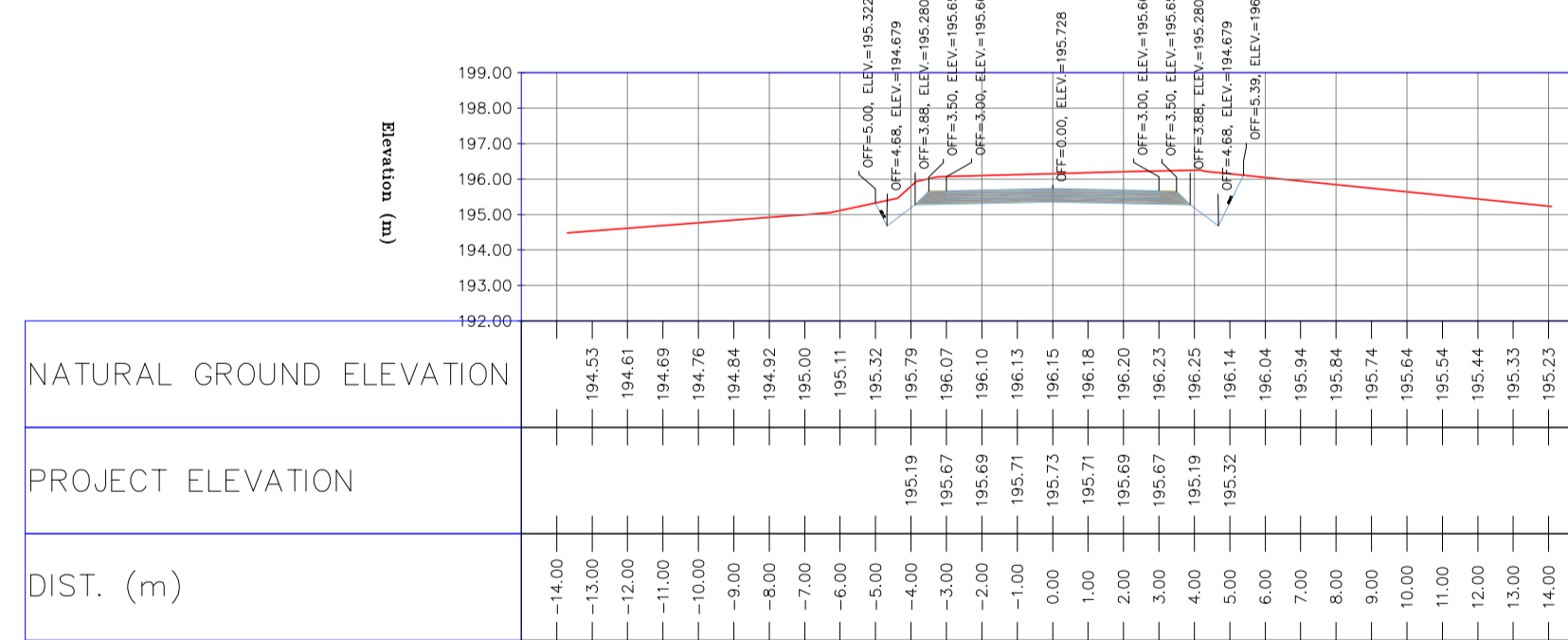
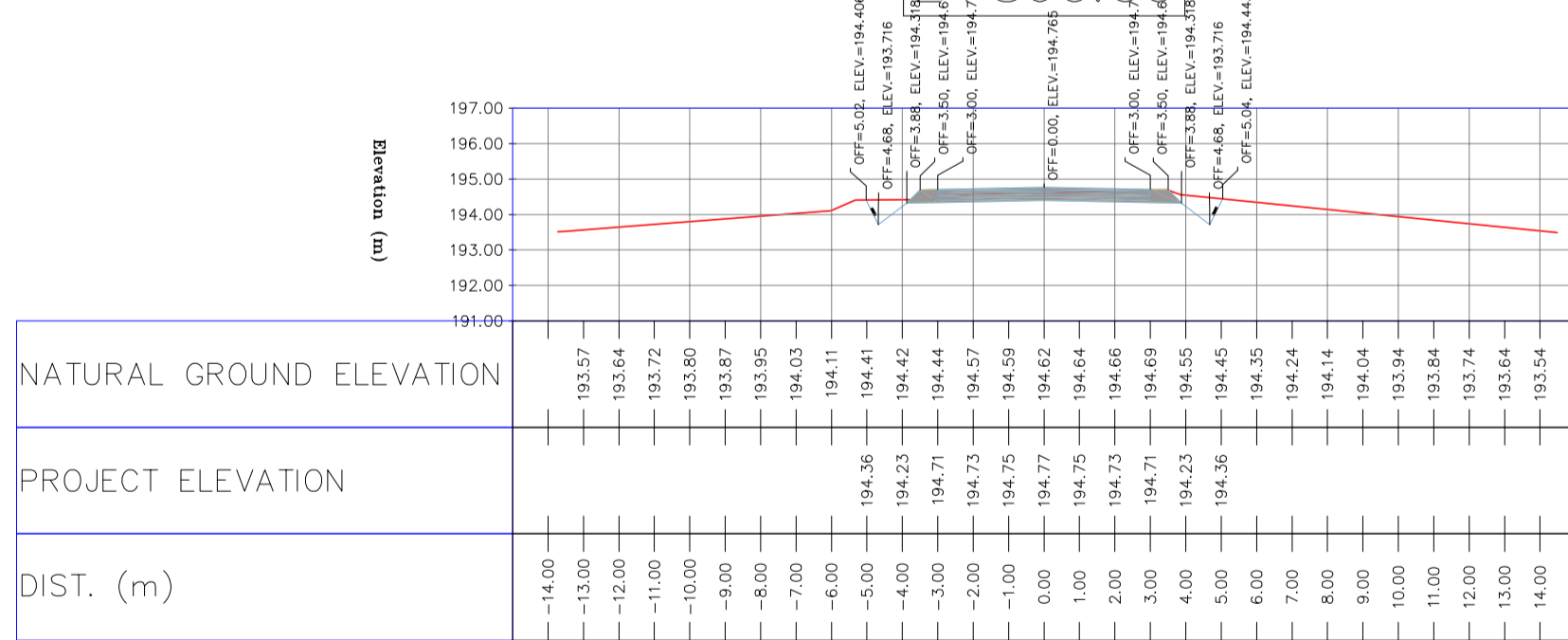
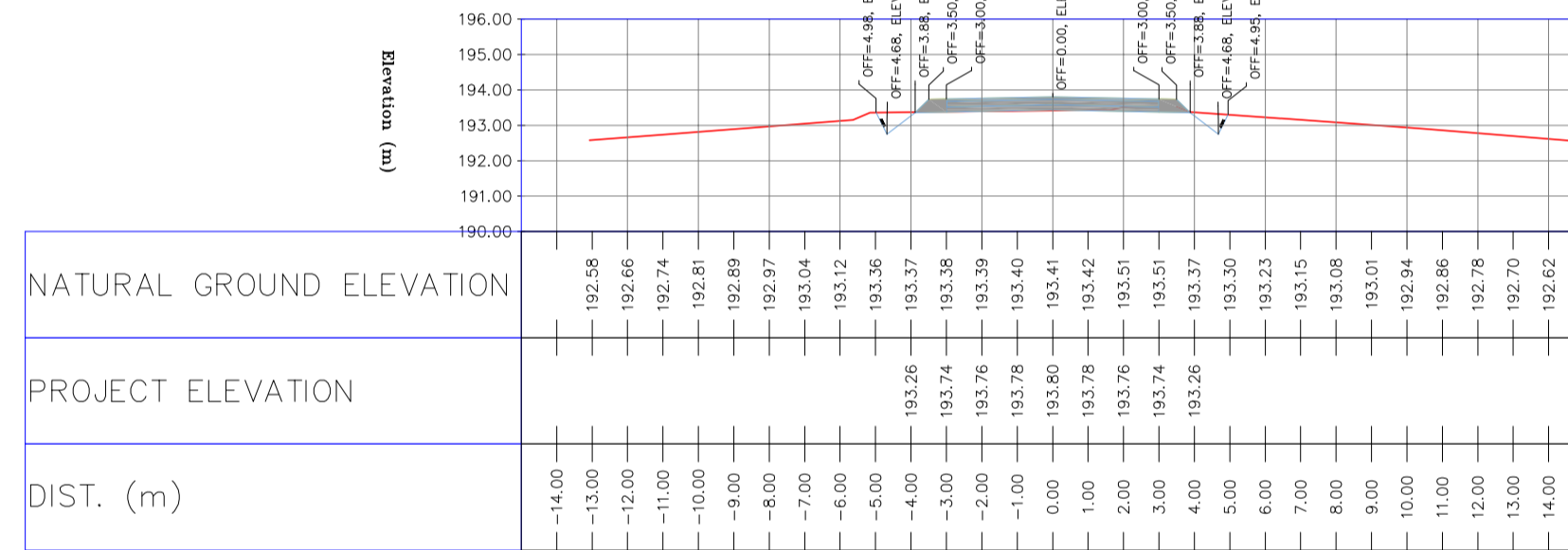
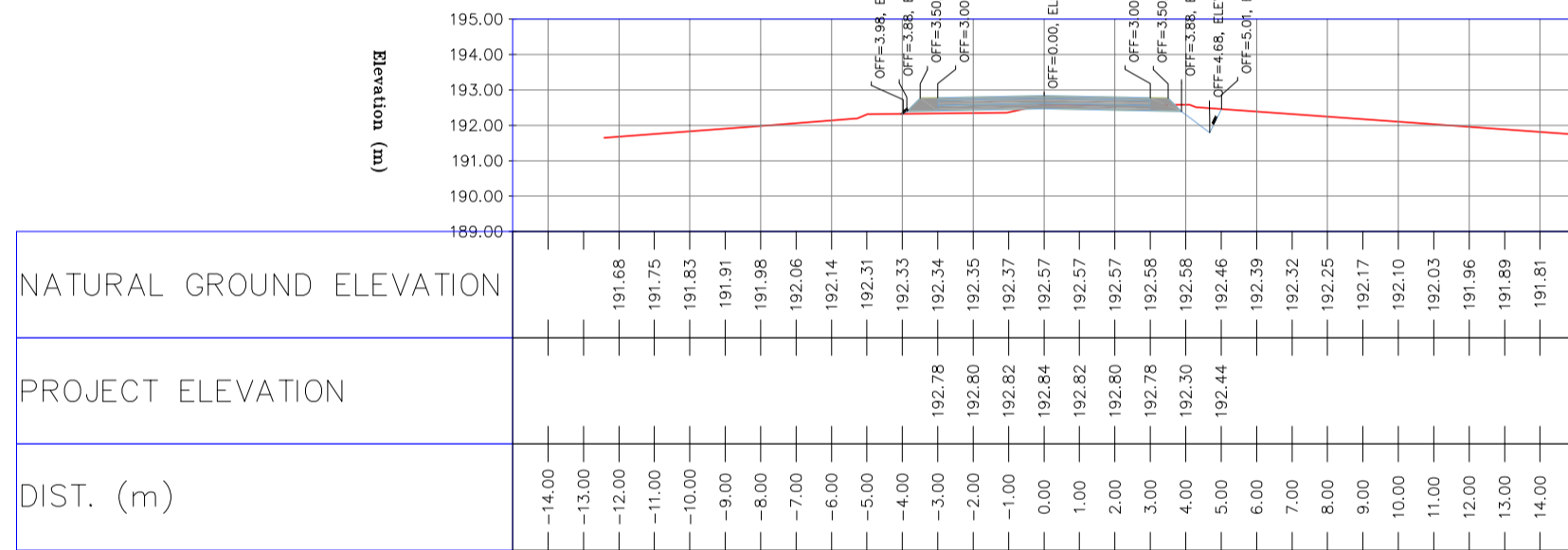
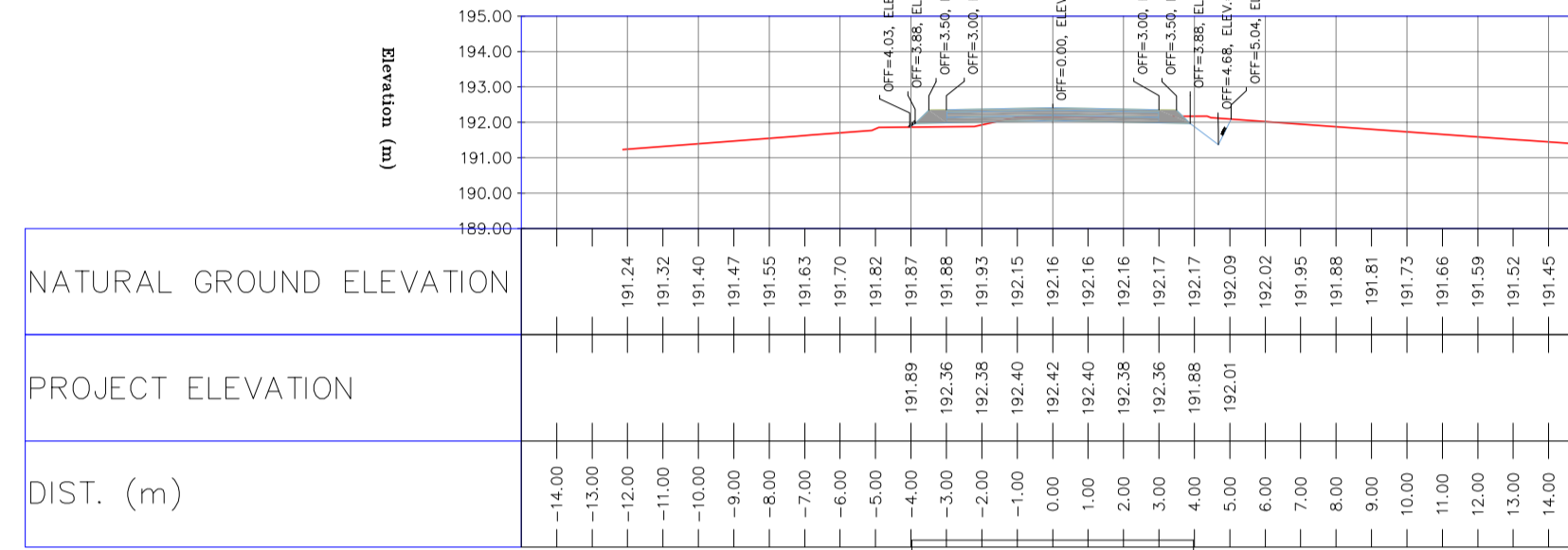
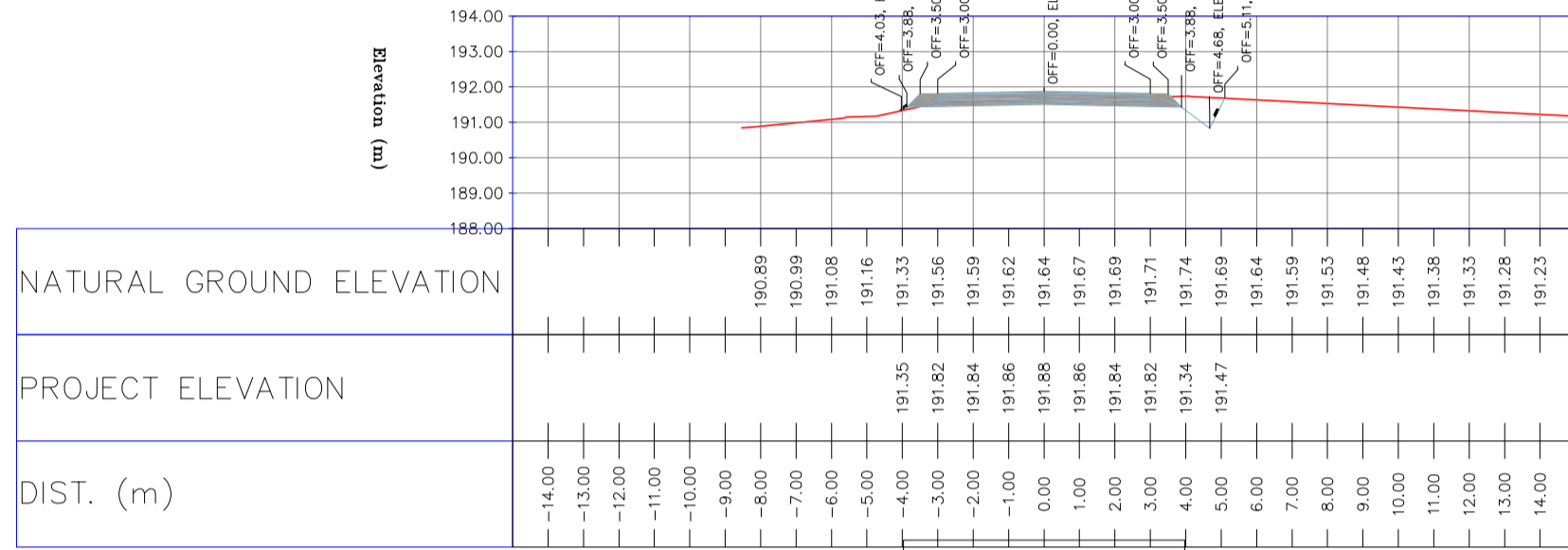
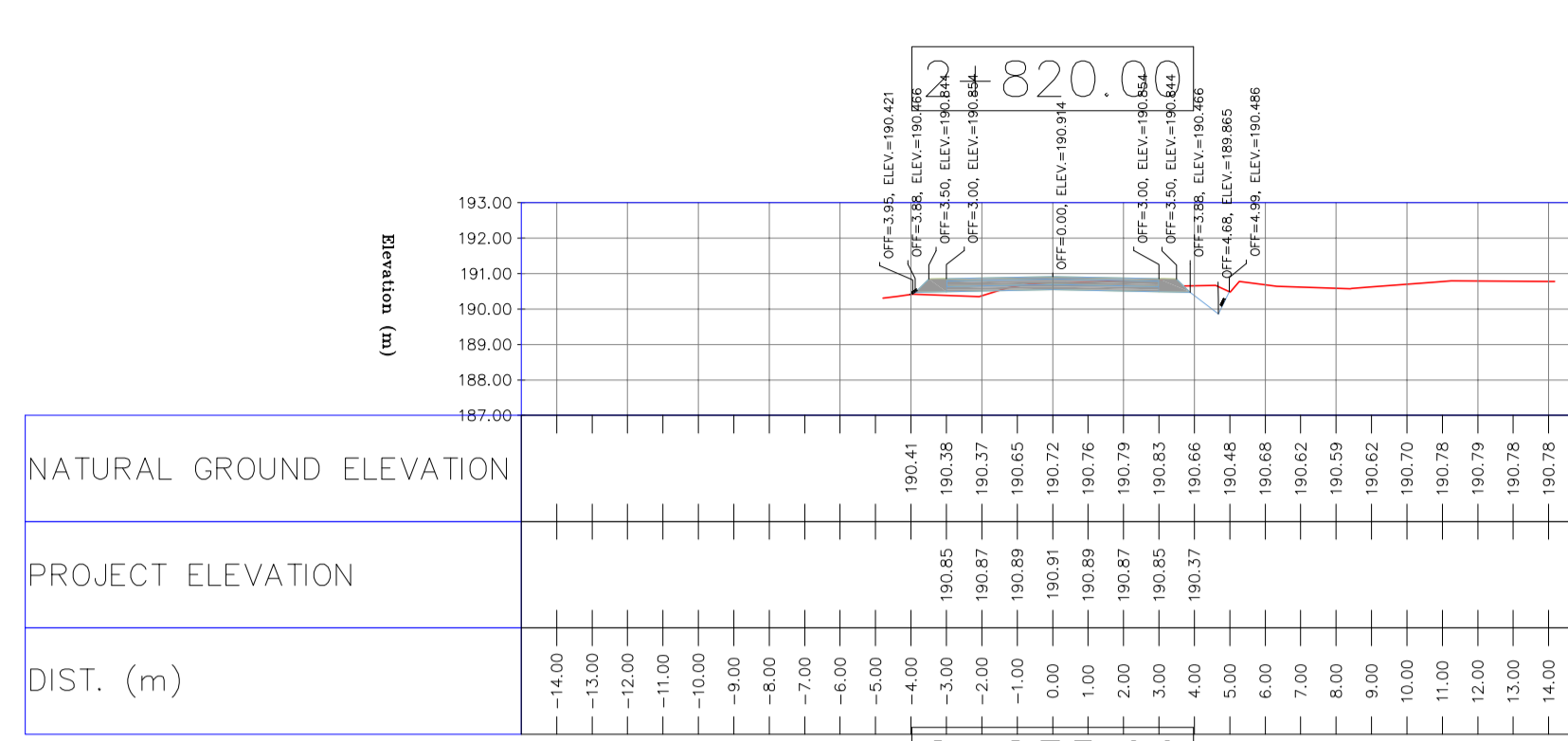
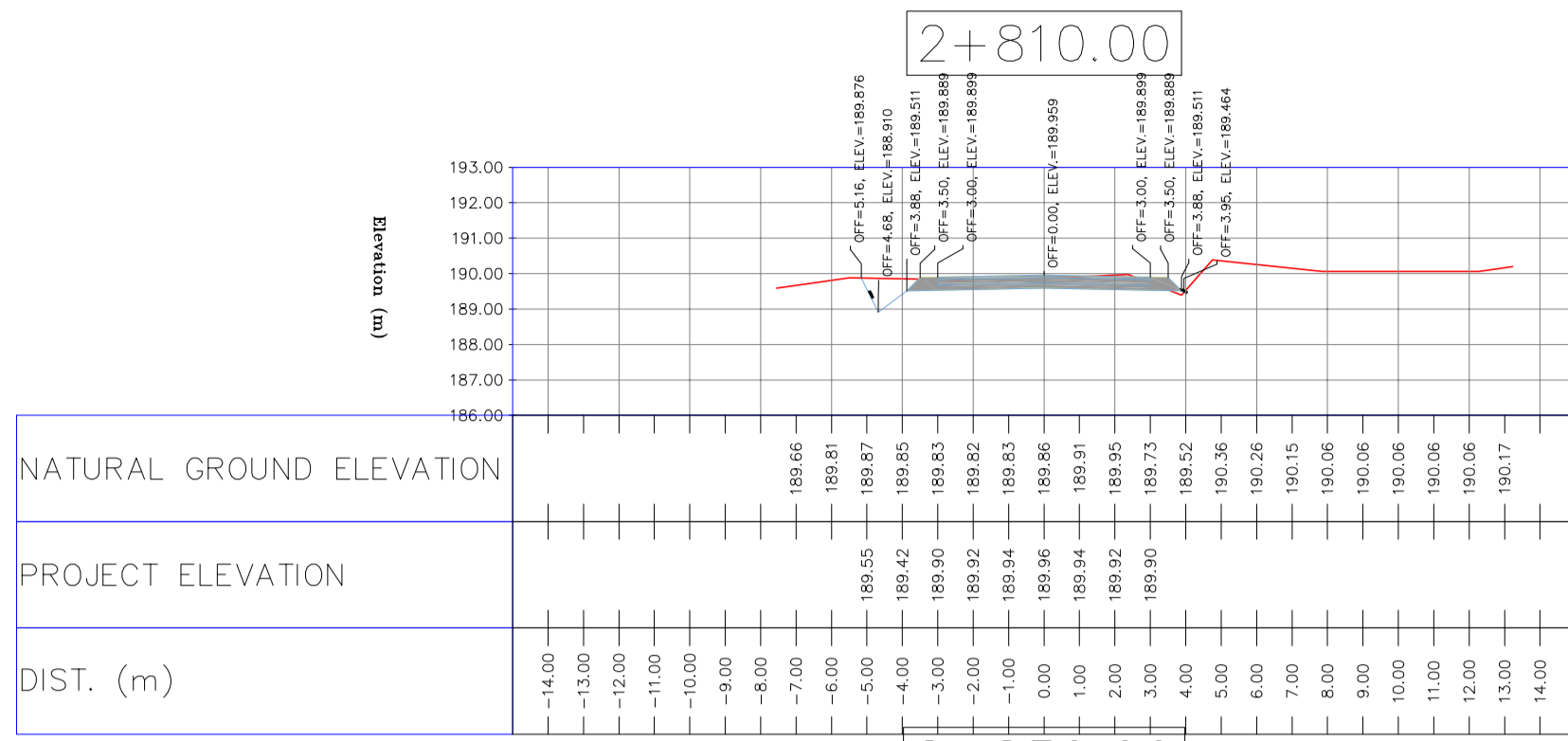
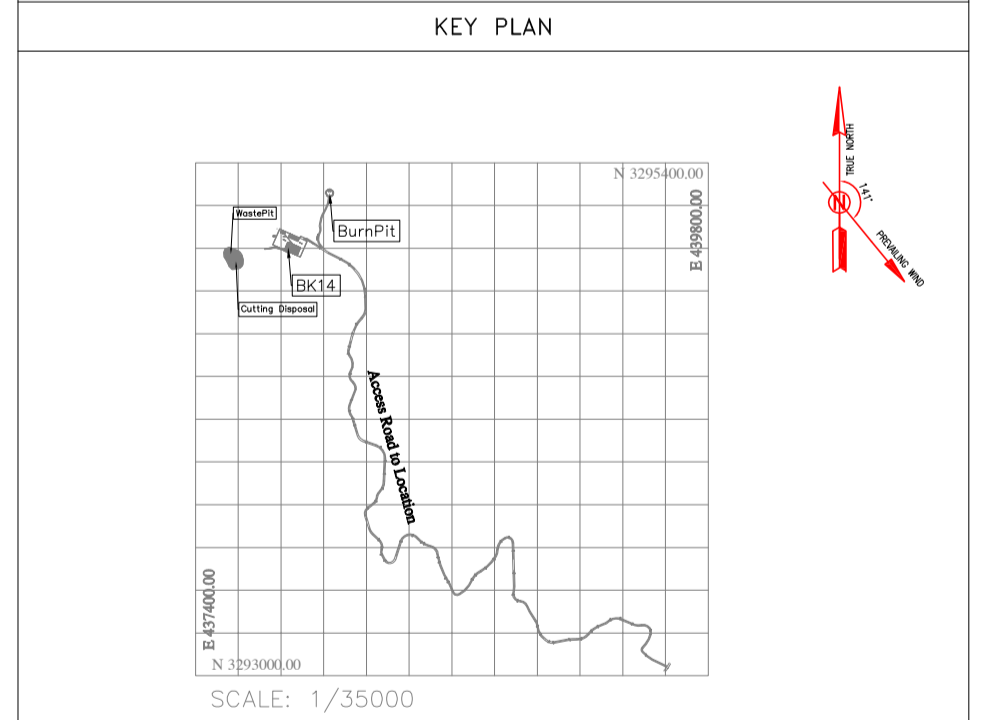
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207,
IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAI-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.



REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAI-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAI-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRAI-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGN OF VERTICAL CURVE STATION
 BVCE= BEGN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

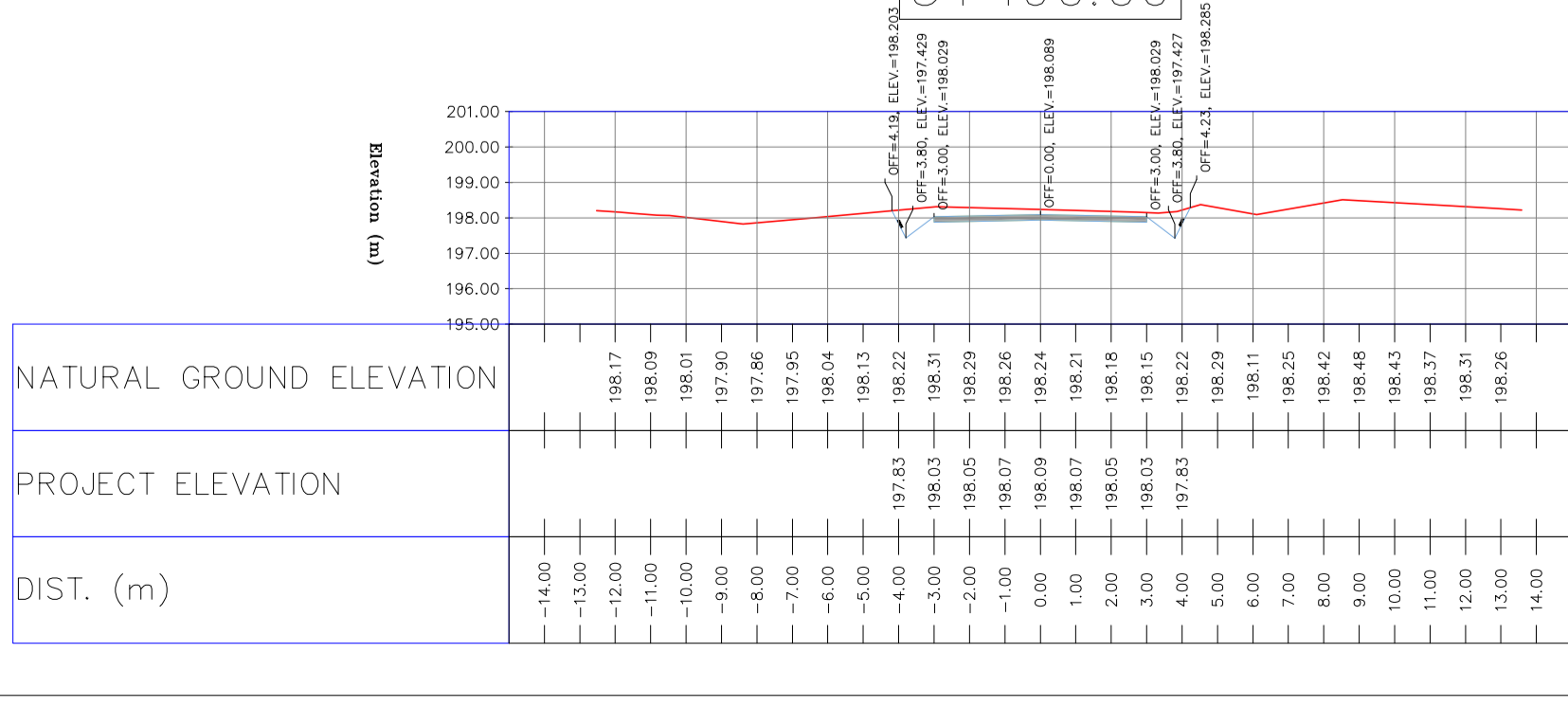
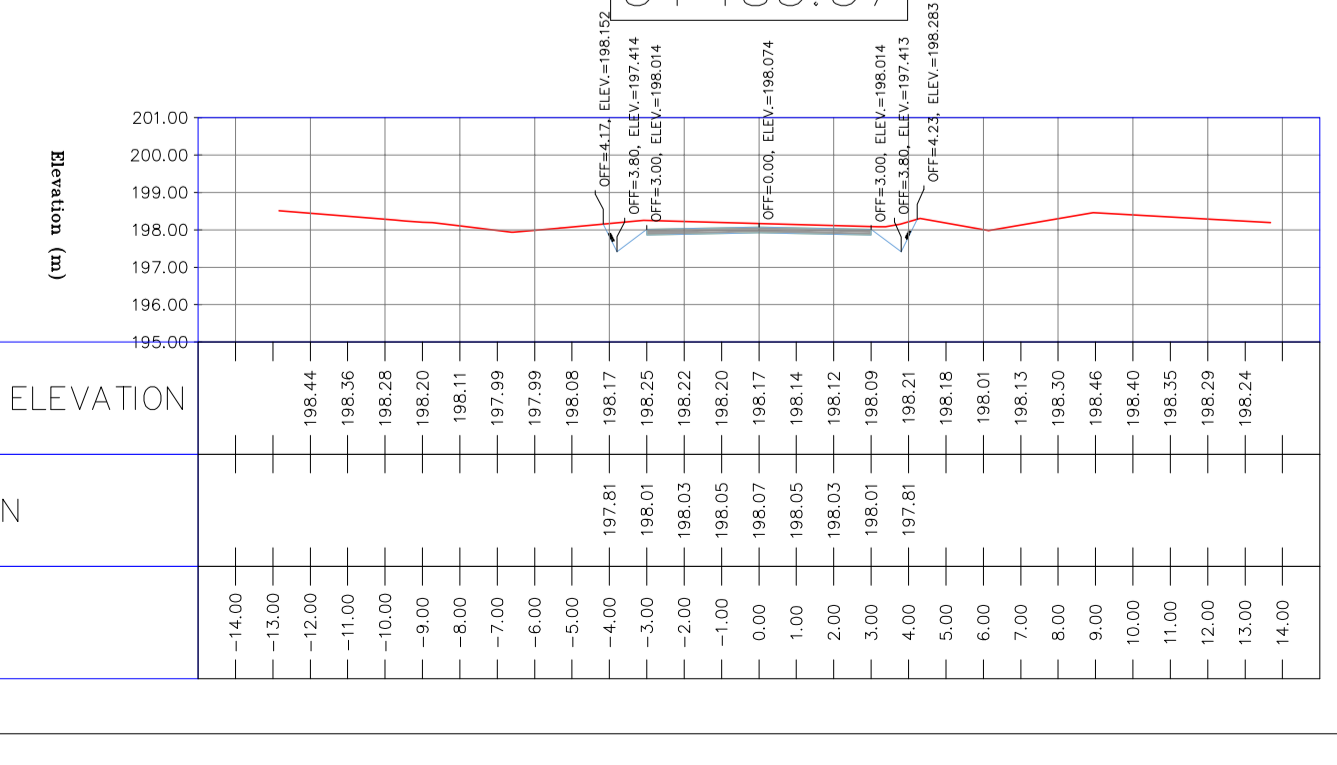
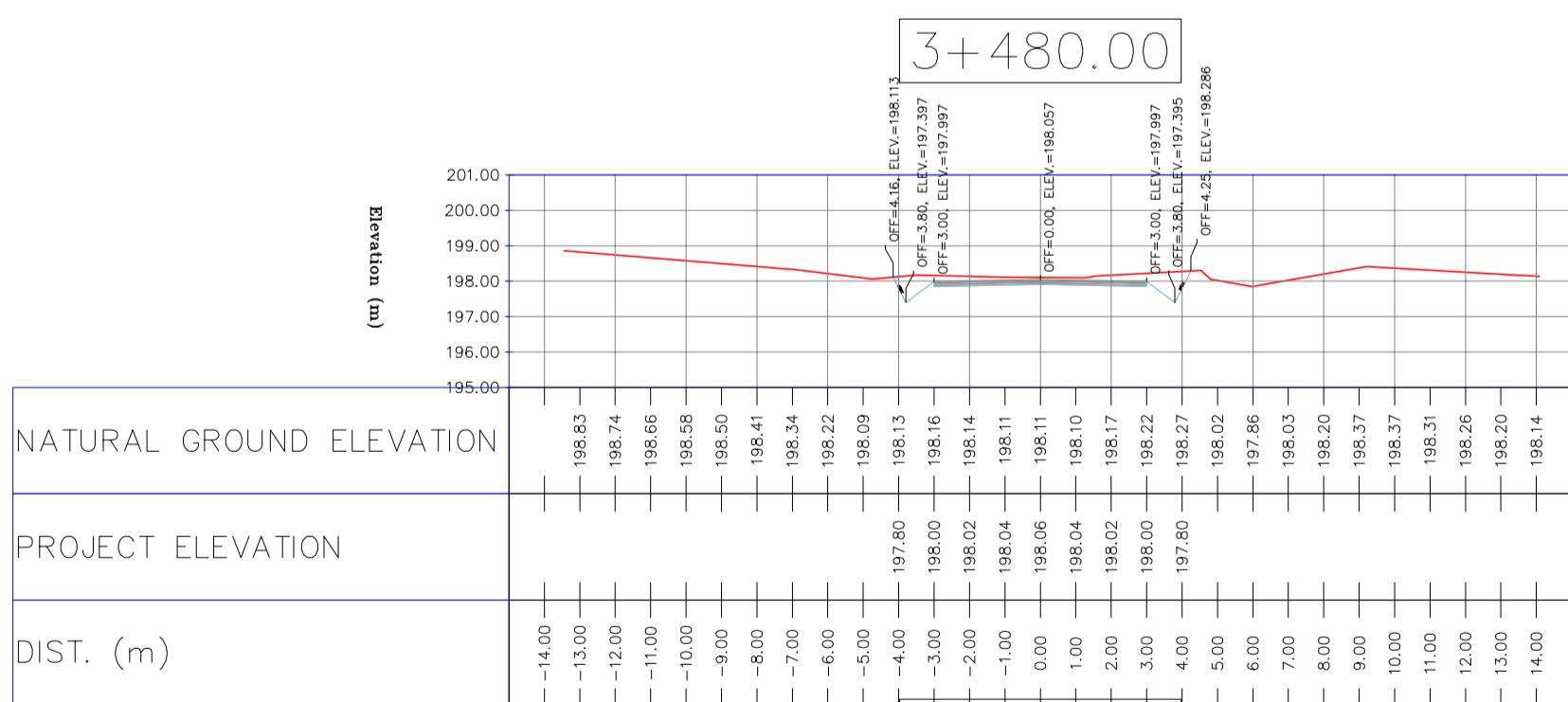
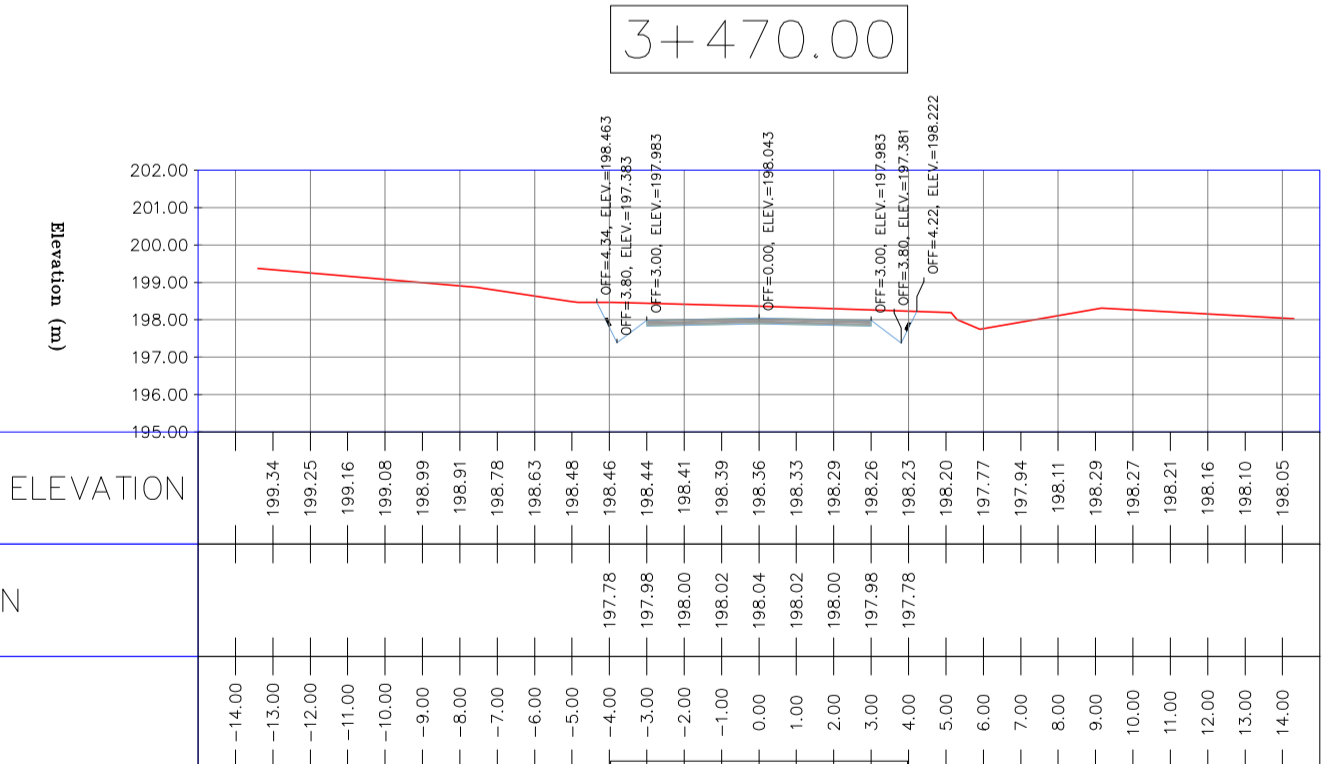
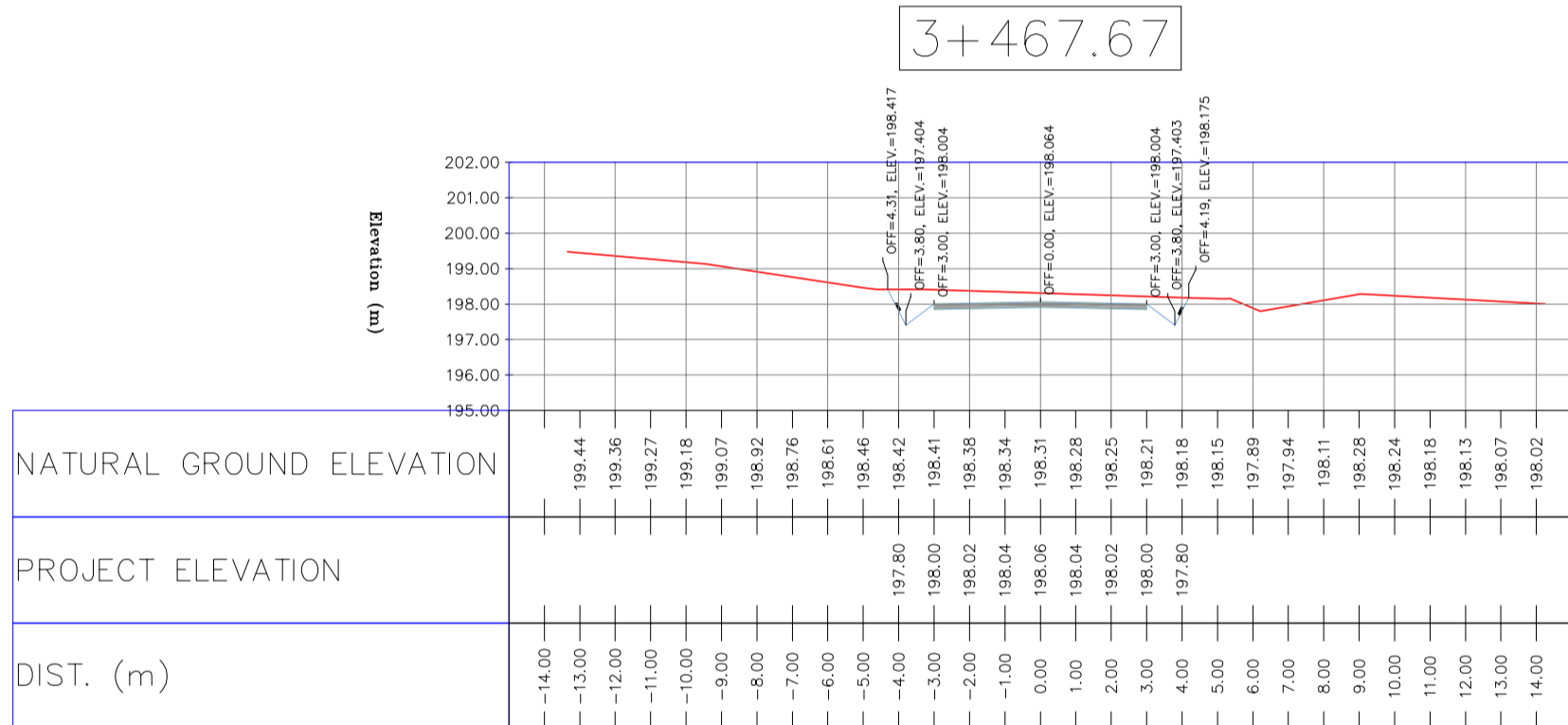
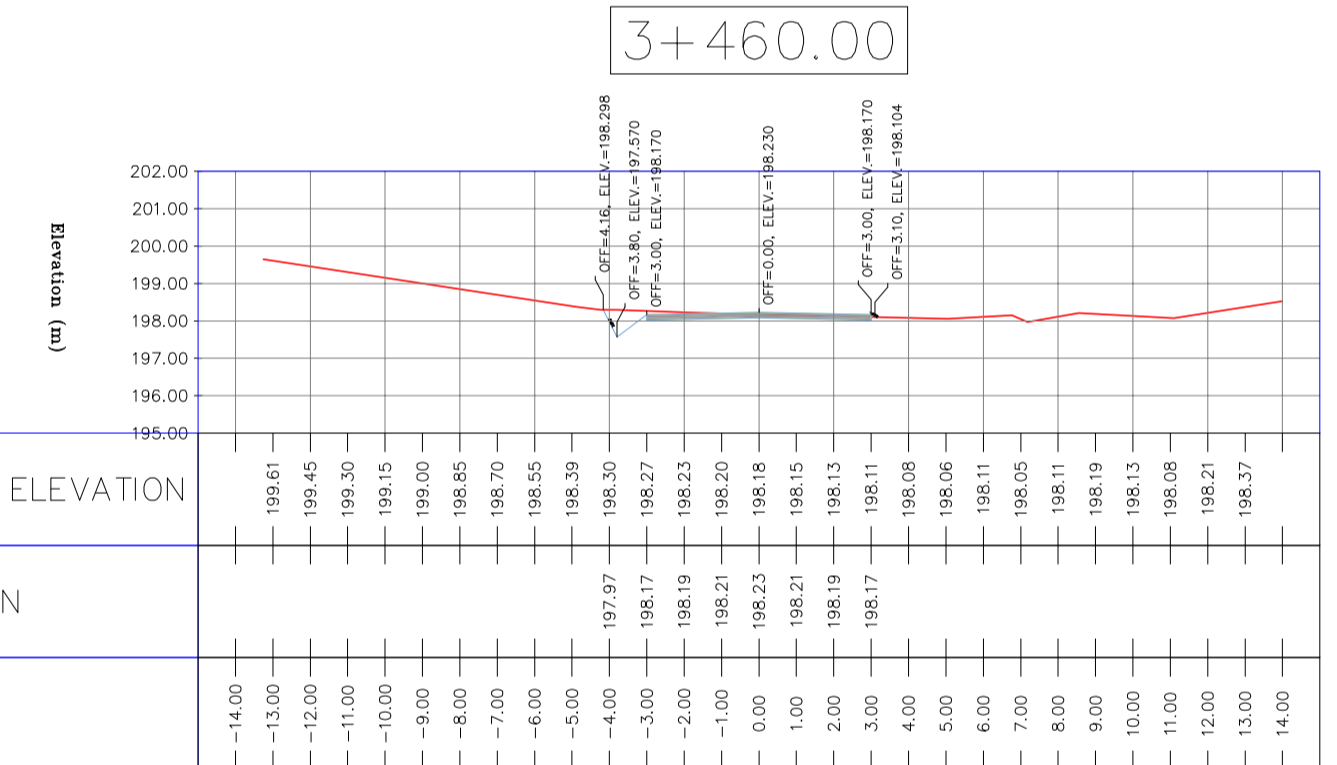
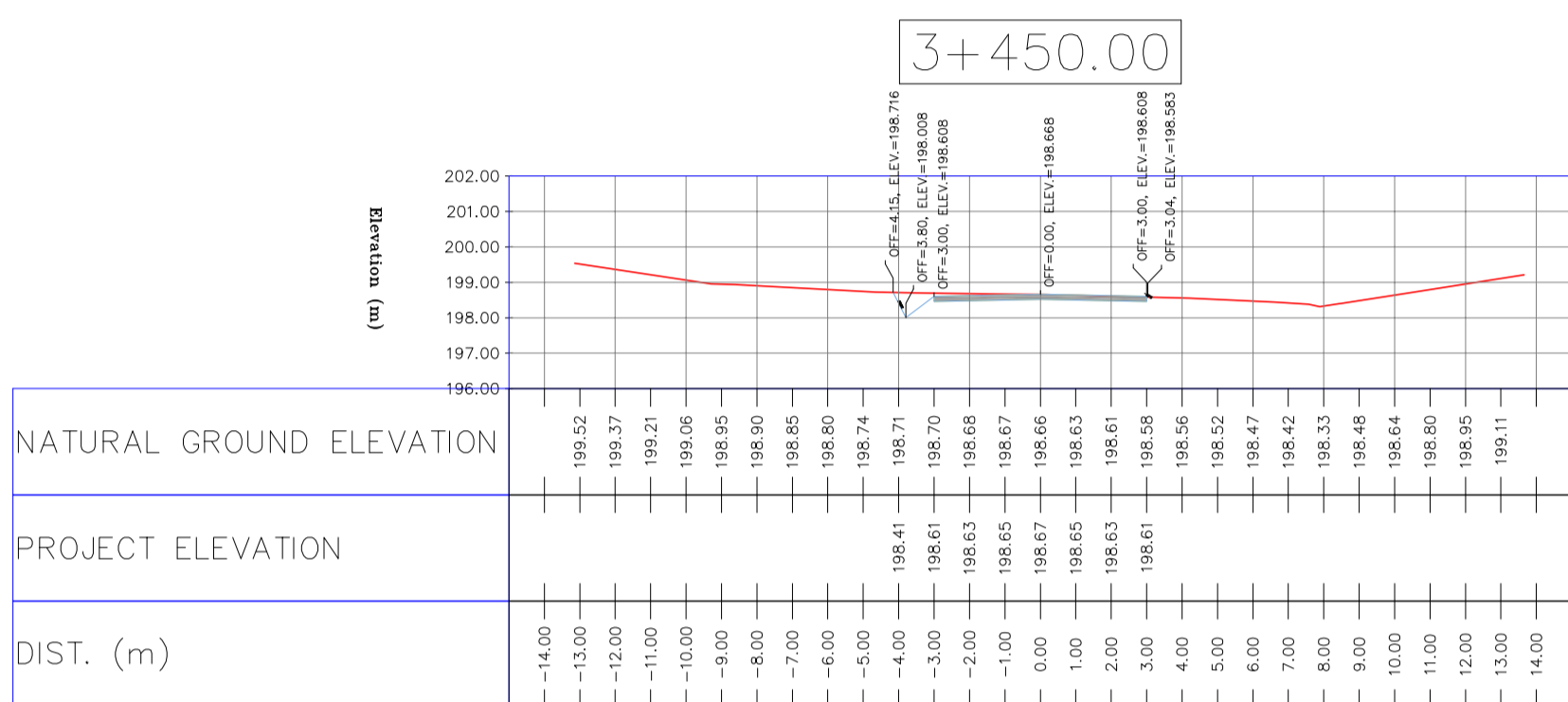
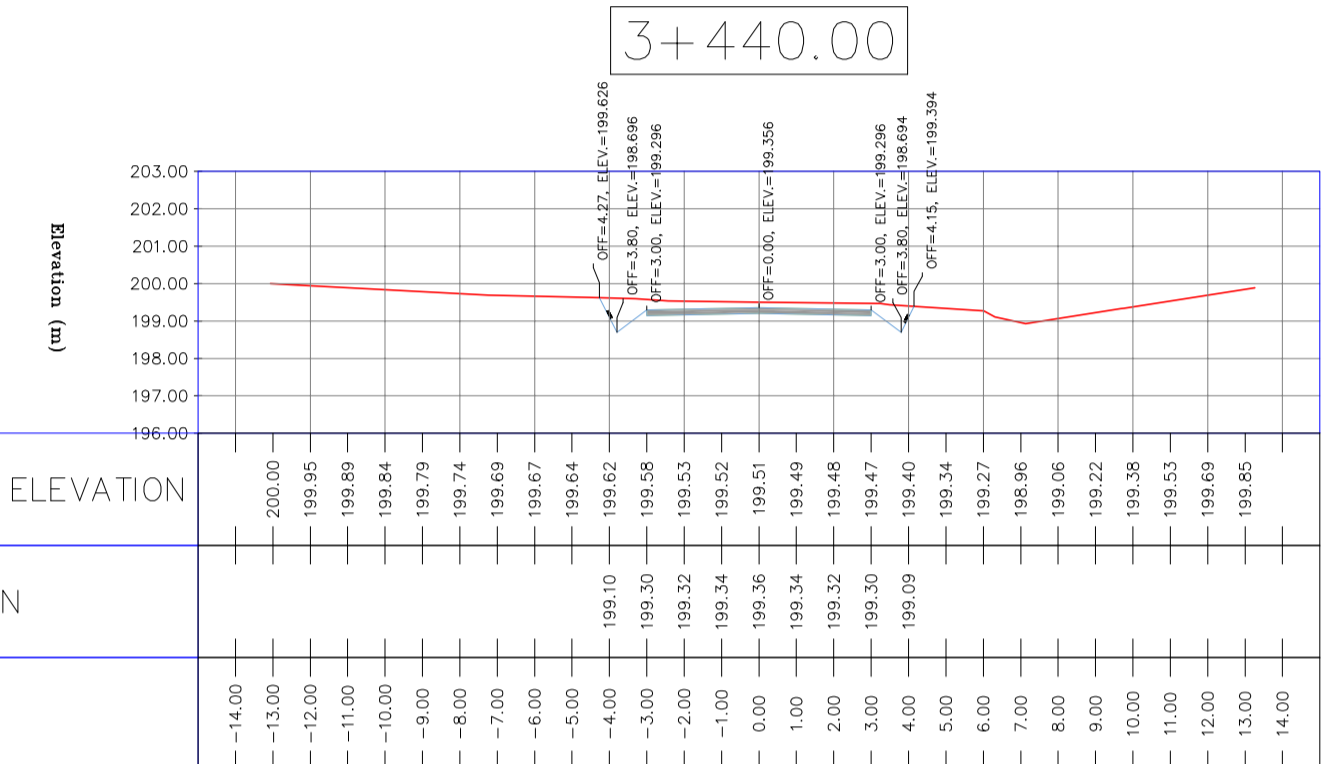
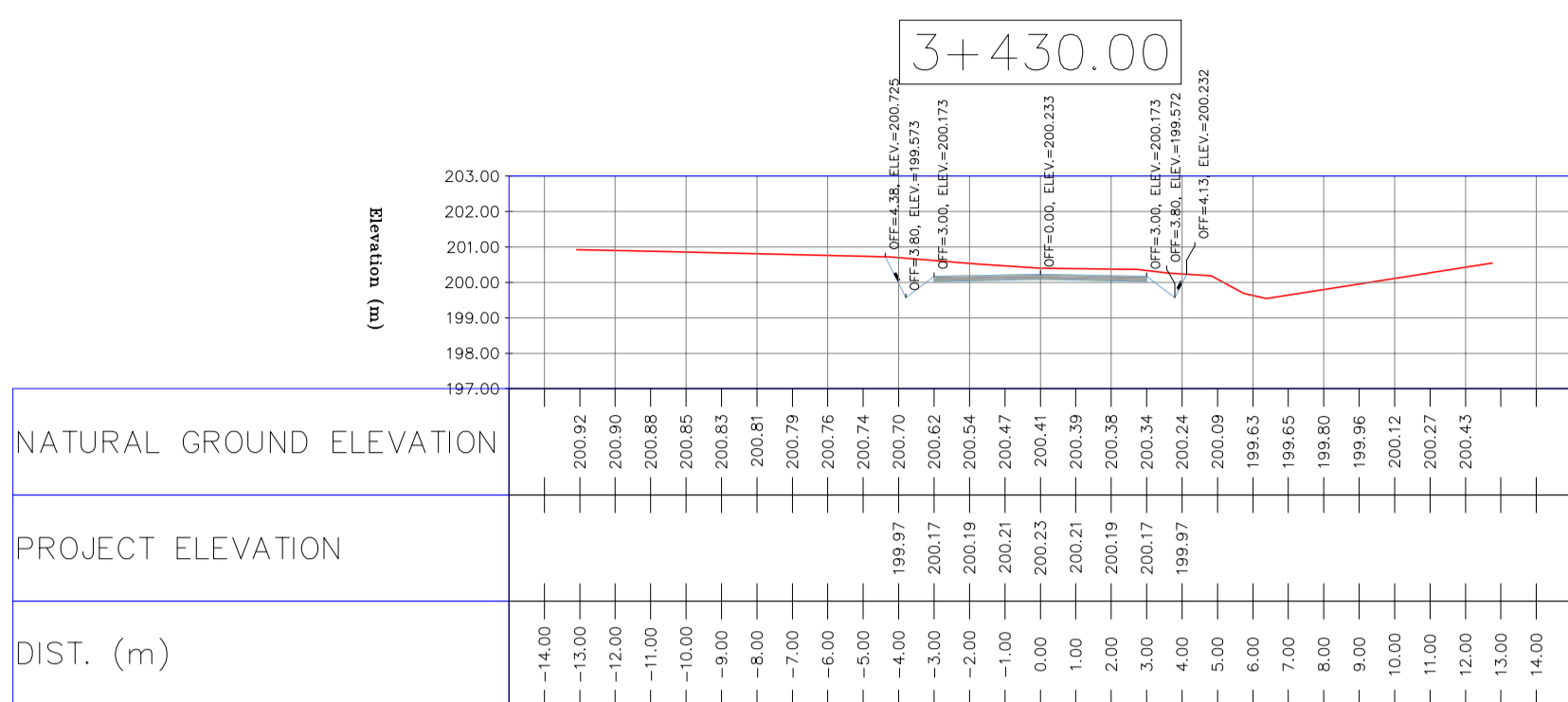
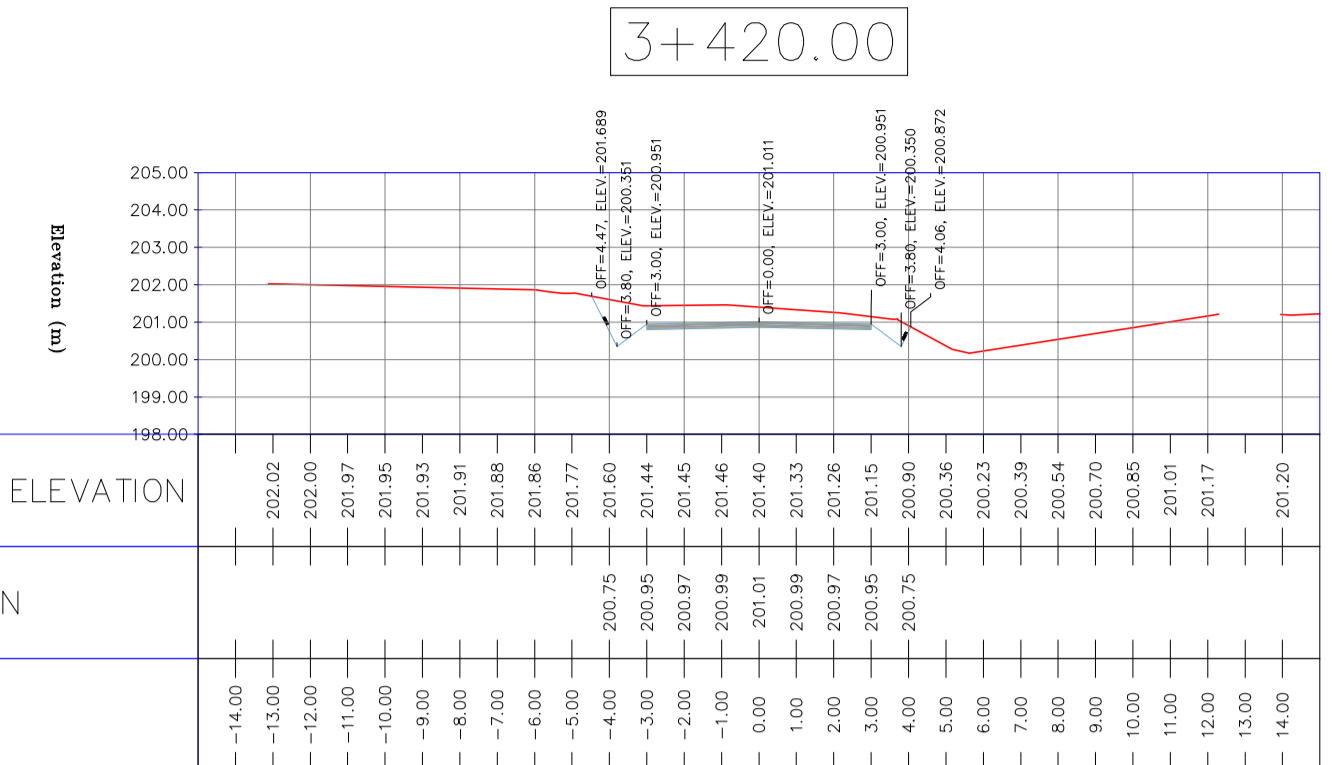
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

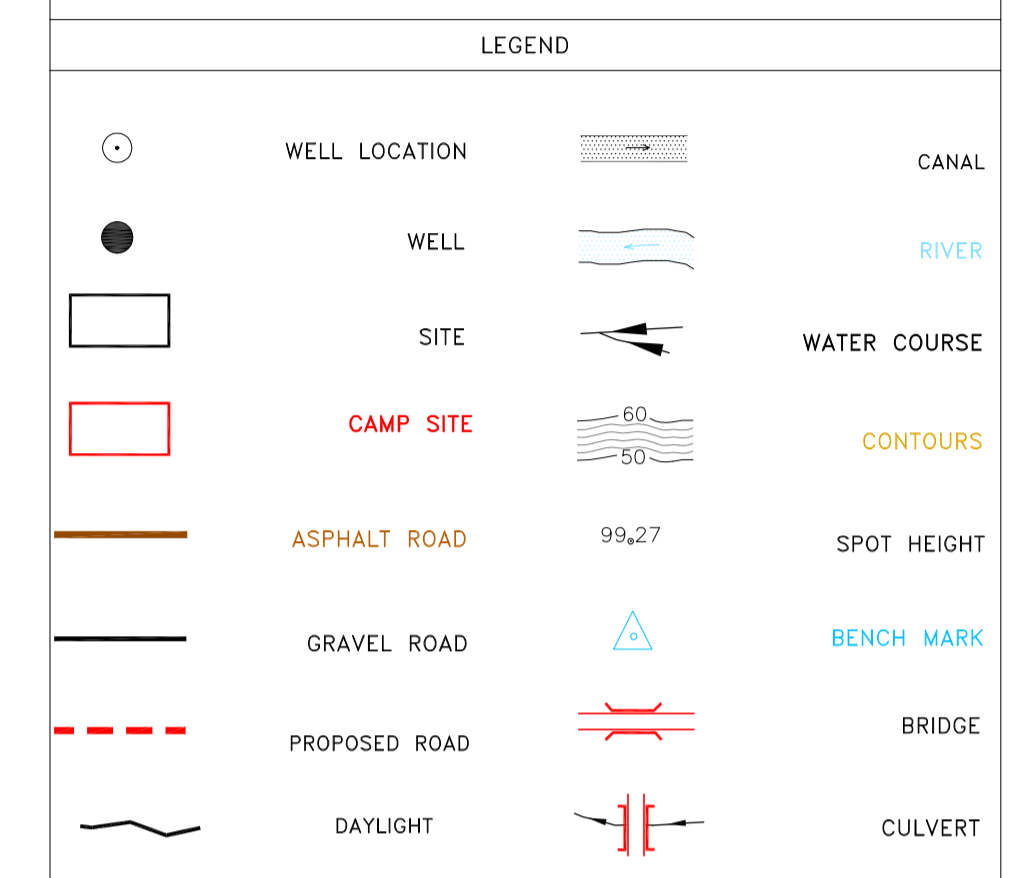
CHECKED		REV. APPR.		
BY	DATE	BY	DATE	
*****		*****		
اصل و کليه نسخ اين نقشه و حق انفاص متعلق به شرکت ملای مناطق نفت خیز جنوب میباشد. THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS				
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED				
APPROVED FOR CONSTRUCTION		BY:	DATE:	

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	69 OF 98	D04	053-073-9184	F	4	S	708209	69	D04



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETTIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION : UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM : MSL
- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004"
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

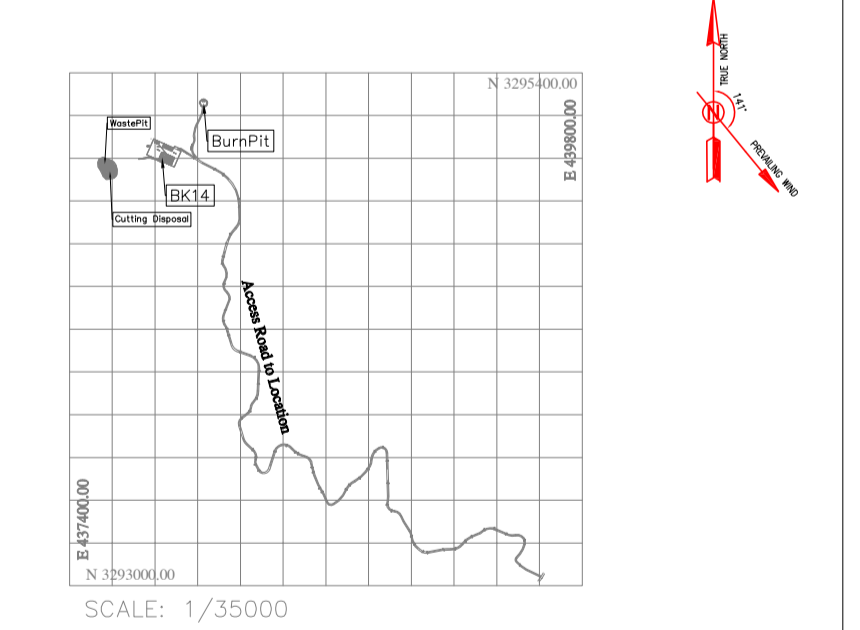


REFERENCE DRAWING	DRG. No.
General Civil Layout -BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIM OF VERTICAL CURVE STATION
 BVCE= BEGIM OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS			
PROJECT NO.: 971020			
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES		EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY	
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14			
SCALE	SIZE	DRAWING NO.	SHEET NO. REV.
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	78 OF 98 D04
BUDGET REF.	LOCATION	SIZE	CLASS
053-073-9184	F	4	S
APPROVED FOR CONSTRUCTION		BY:	DATE:
78	78		
SERIAL NO.	SHEET	REVISION	
708209	78	D04	

اخذ و کليه نسخ اين نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب مي باشد.
 THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

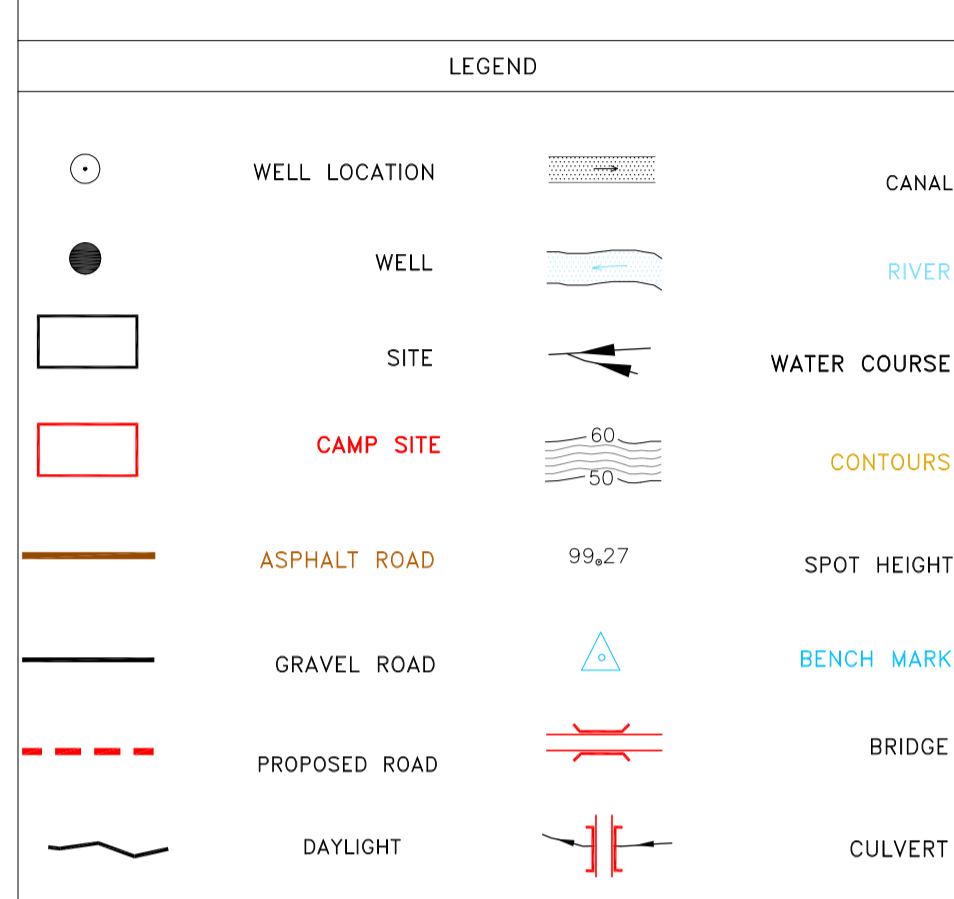
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
------	-------	------------	------------	--------------

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207,
IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAI-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

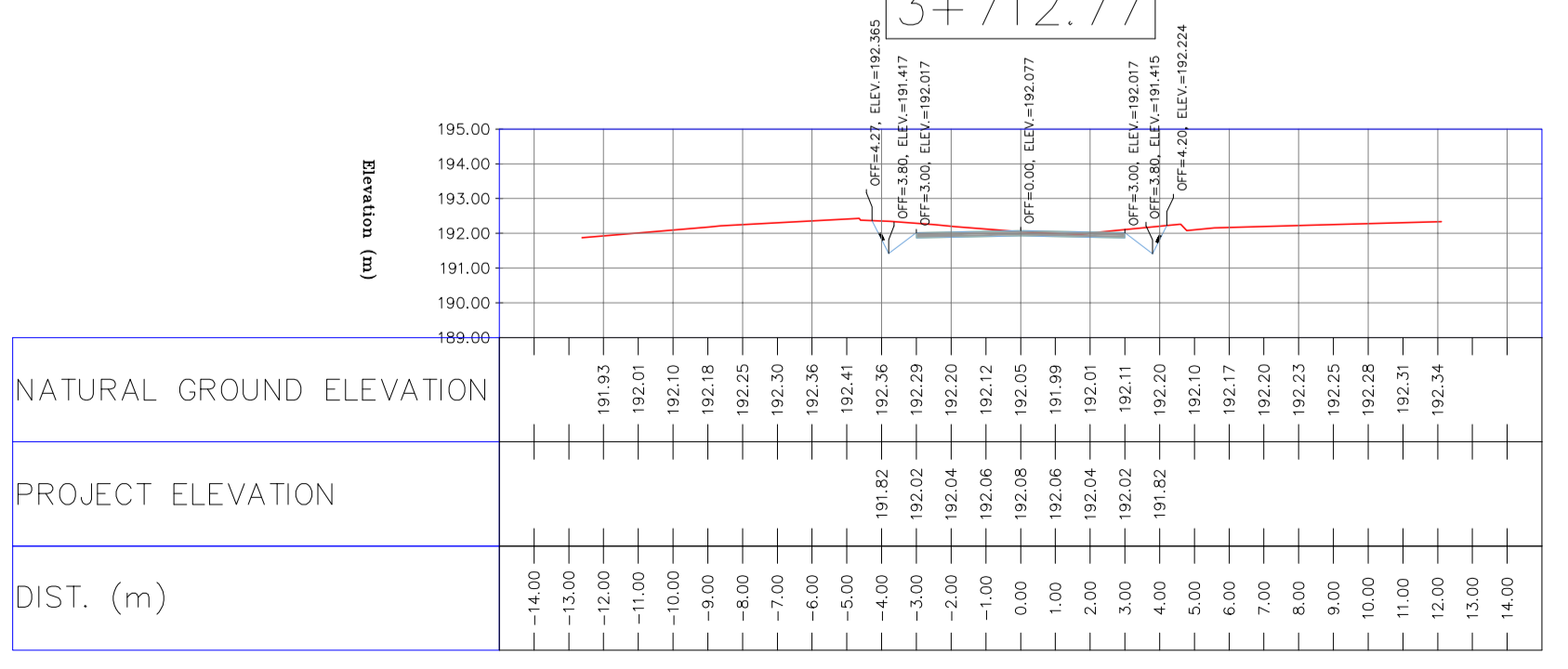
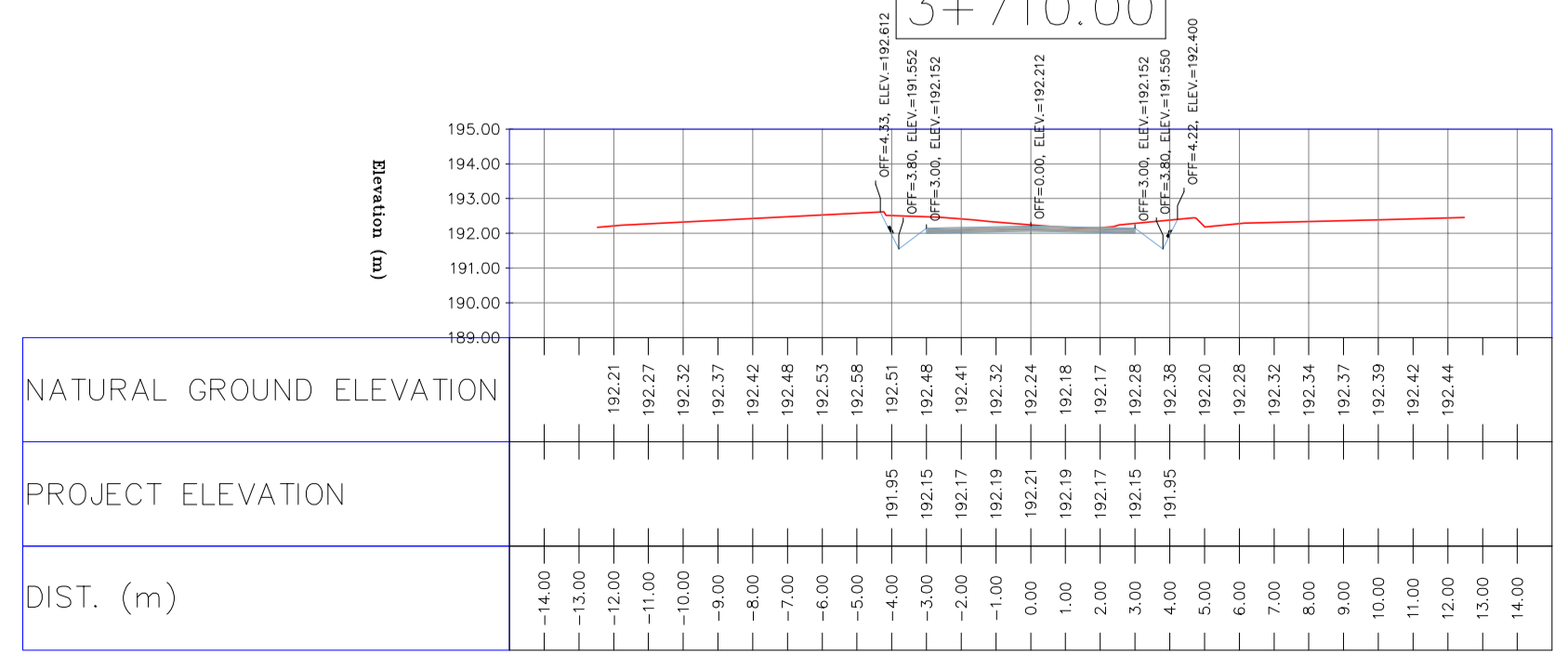
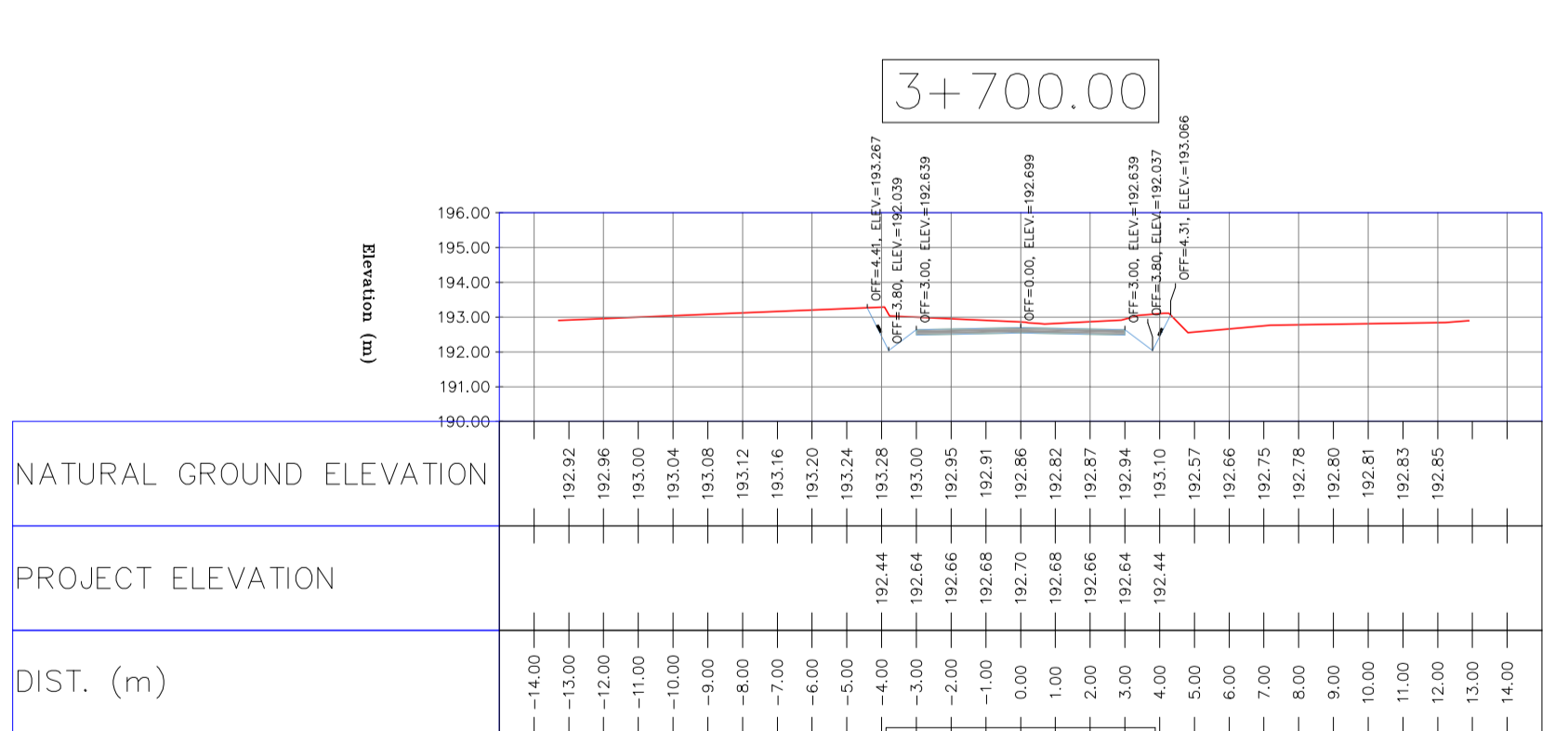
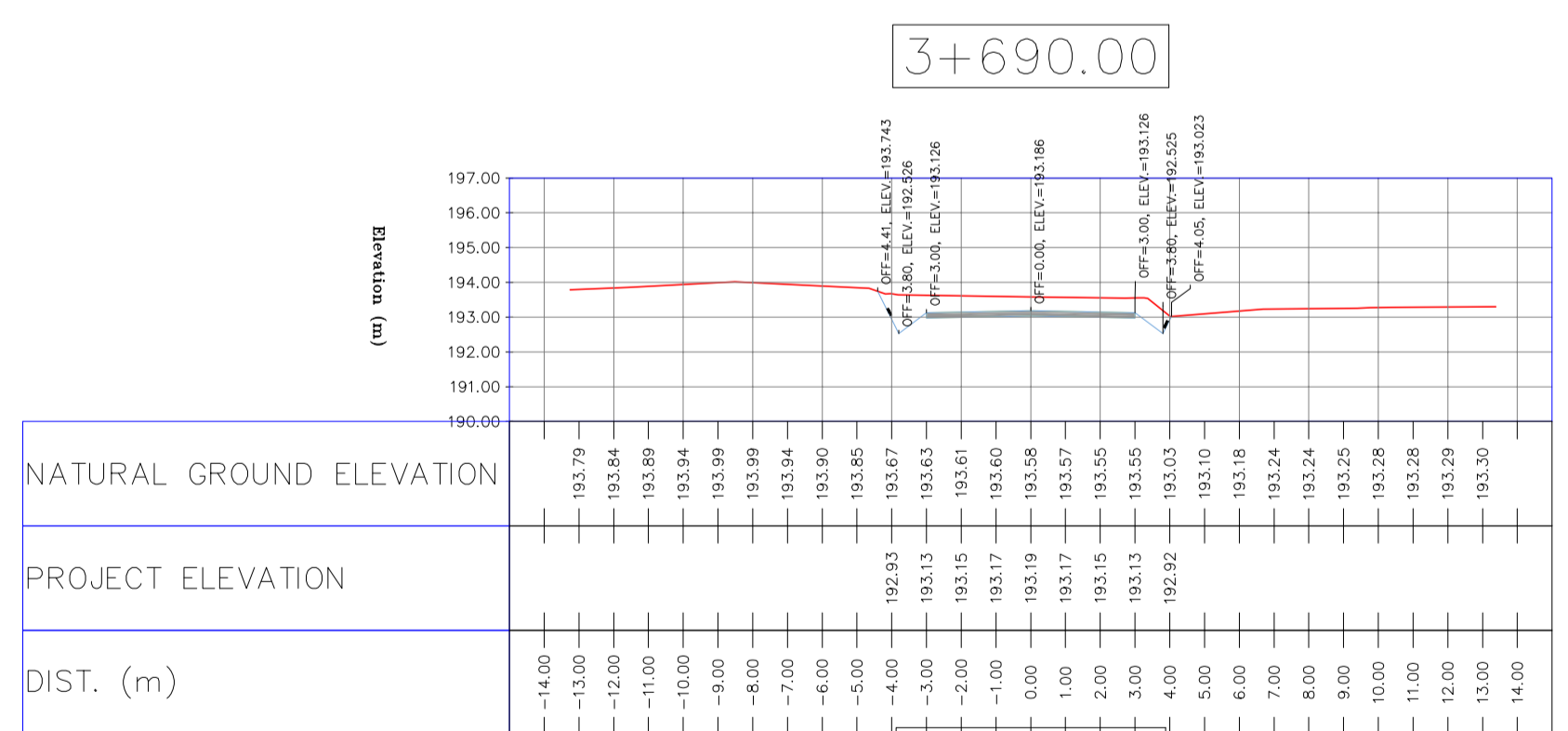
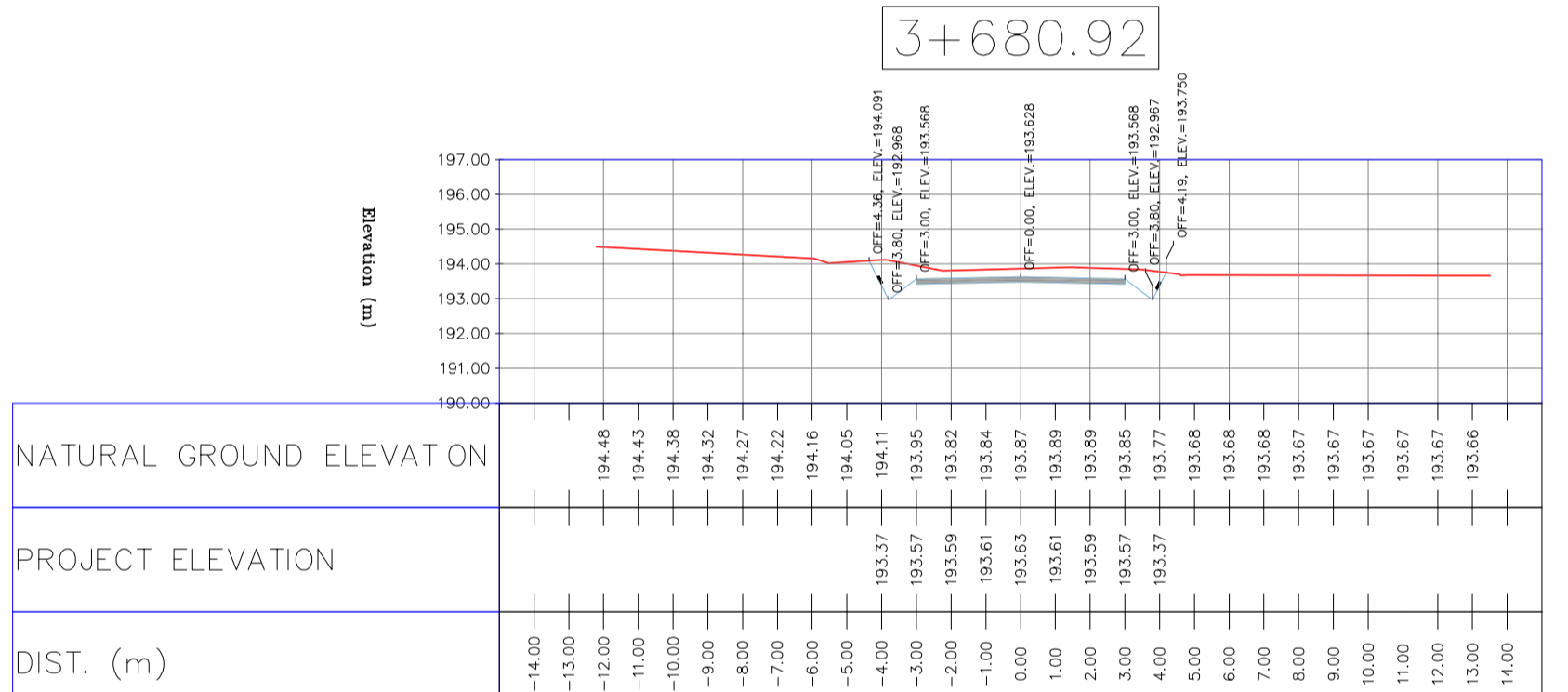
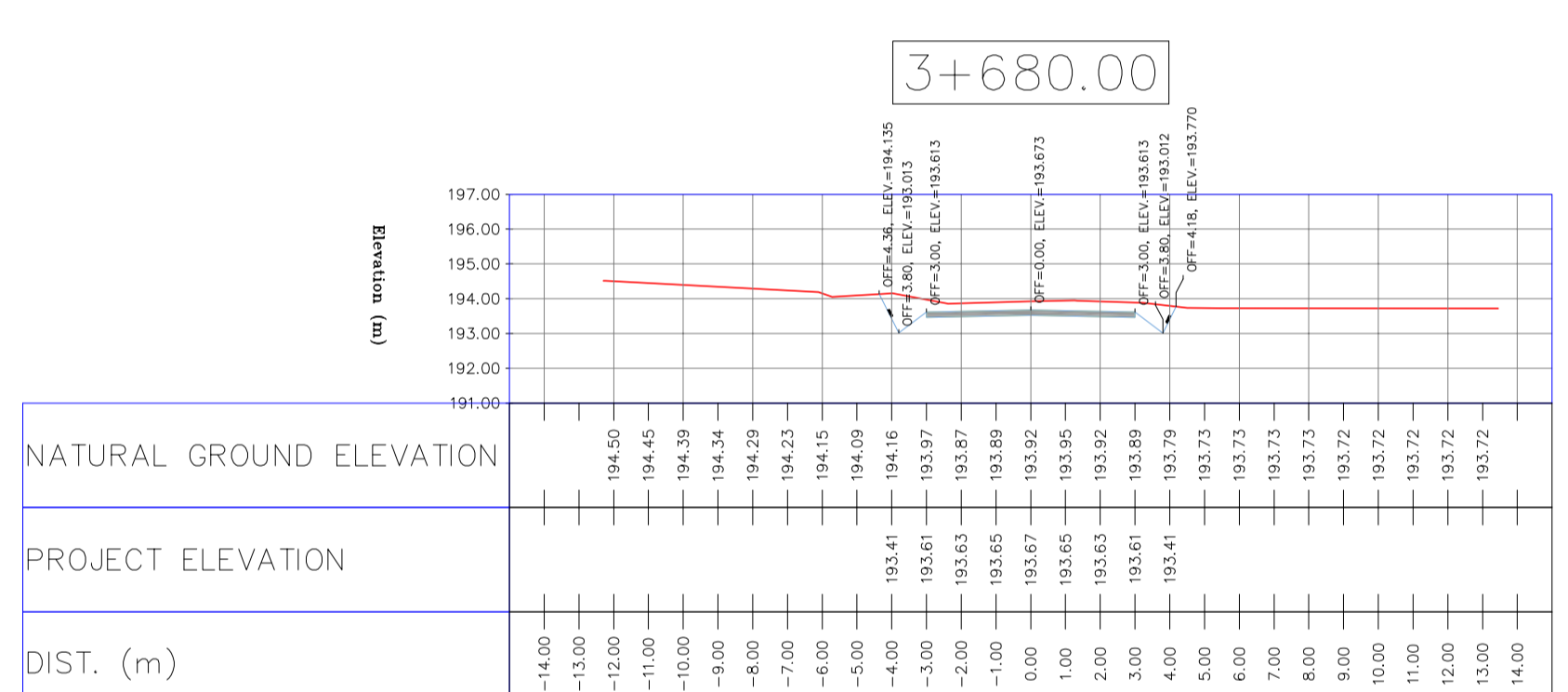
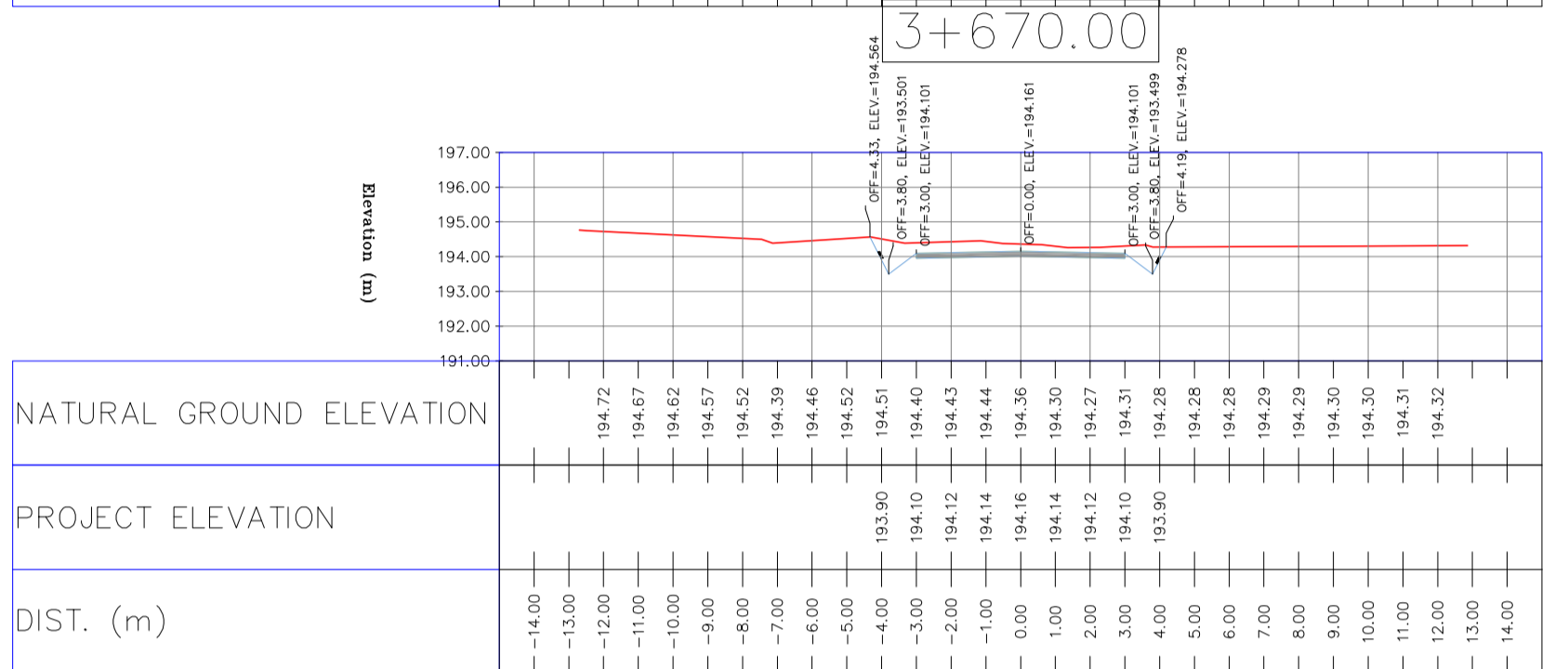
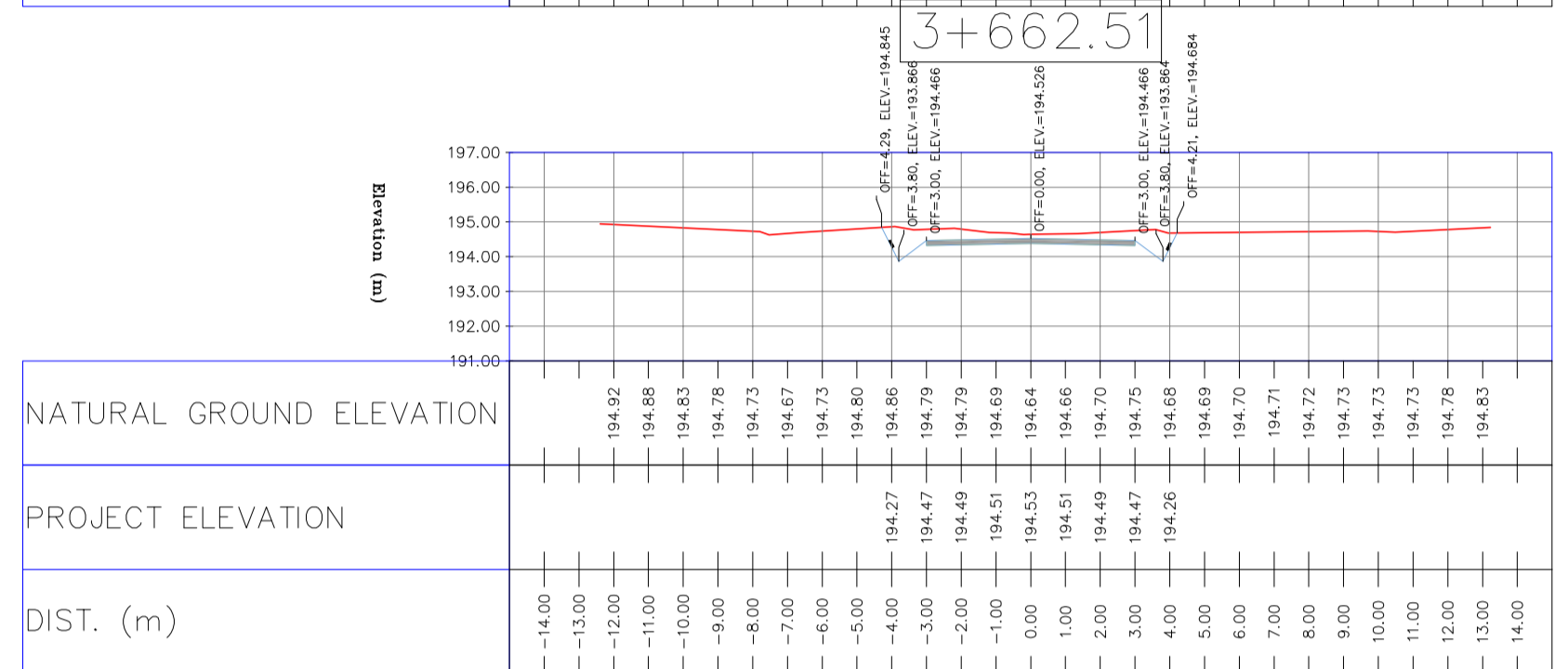
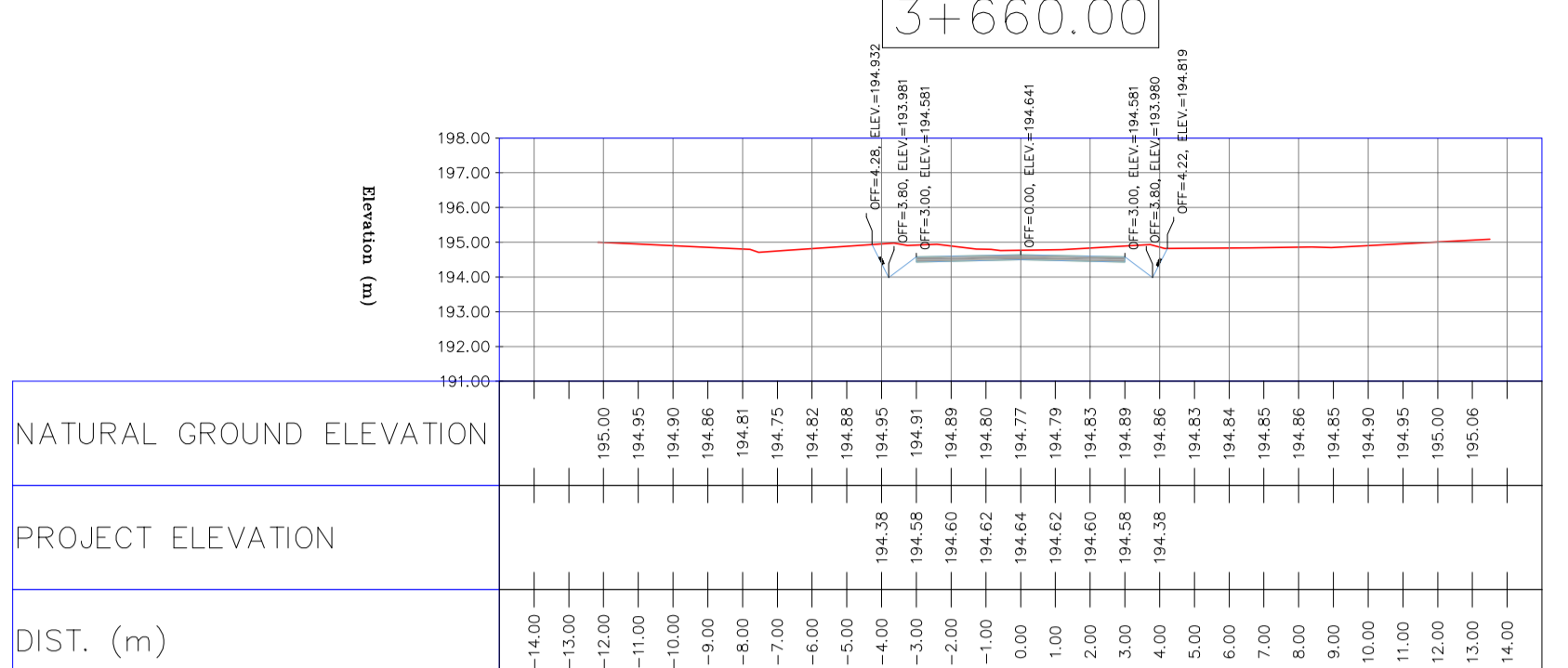
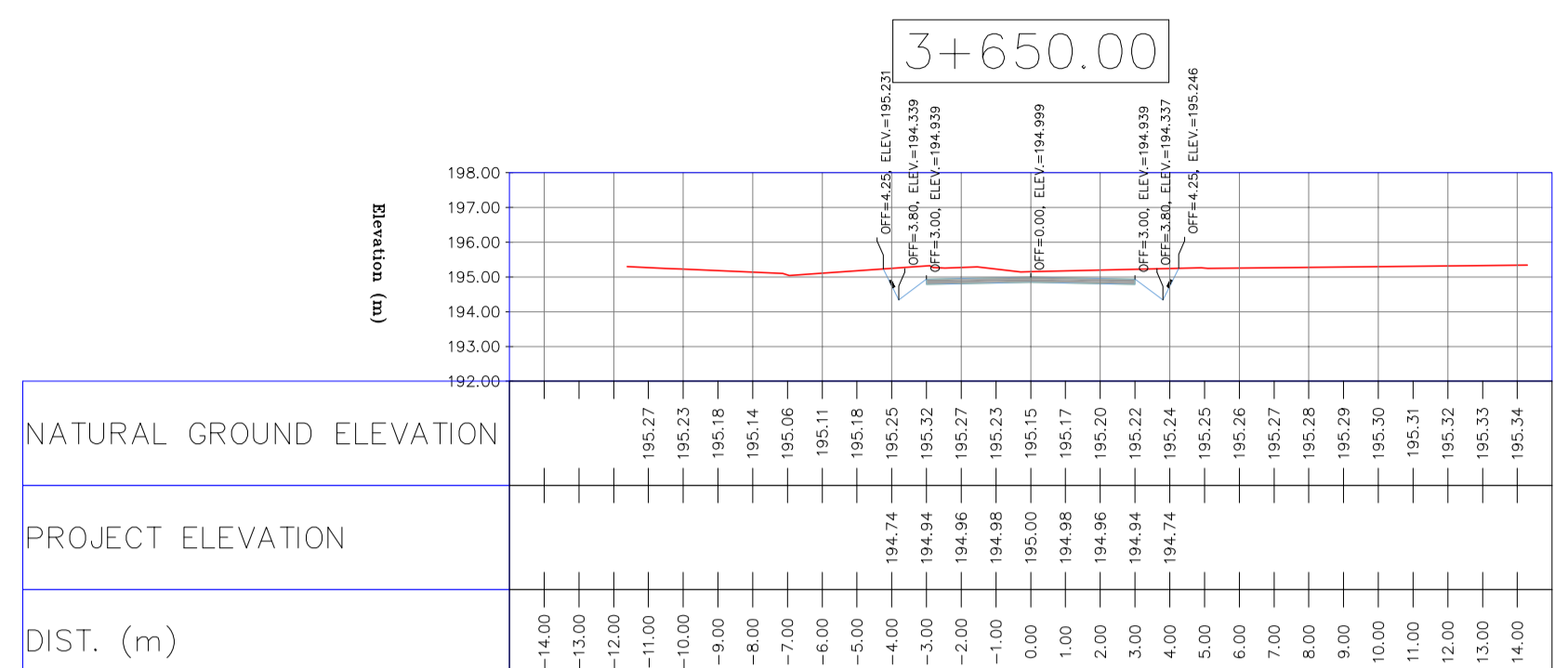
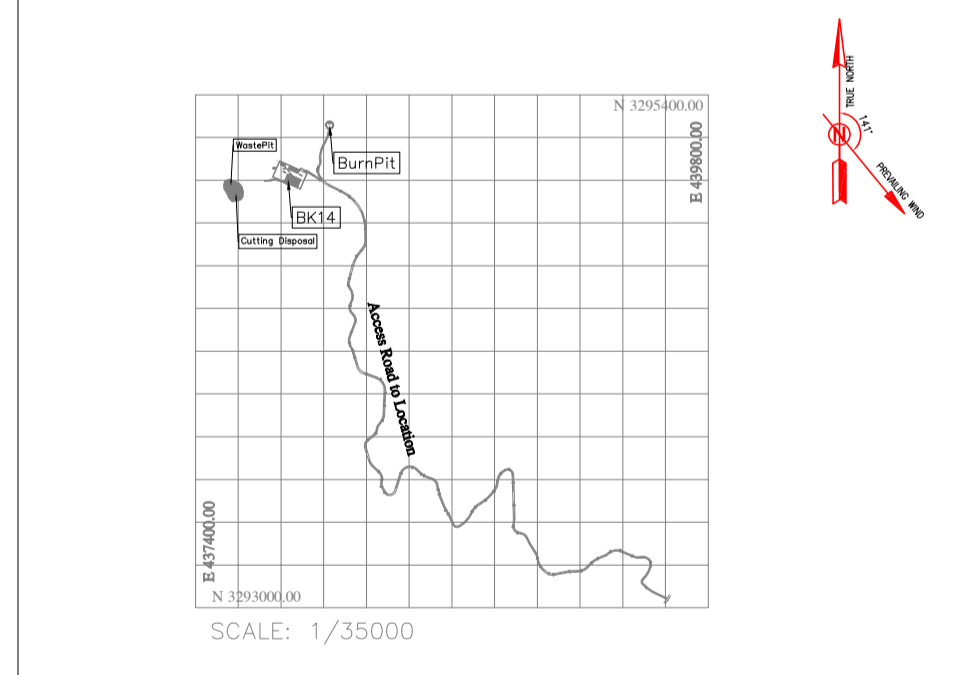


REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan - BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAI-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAI-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRAI-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	CHECKED	REV. APPR.
D04	JUN. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***		
D03	MAY. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***		
D02	MAR. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***		
D01	NOV. 2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***		
D00	OCT. 2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***		

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

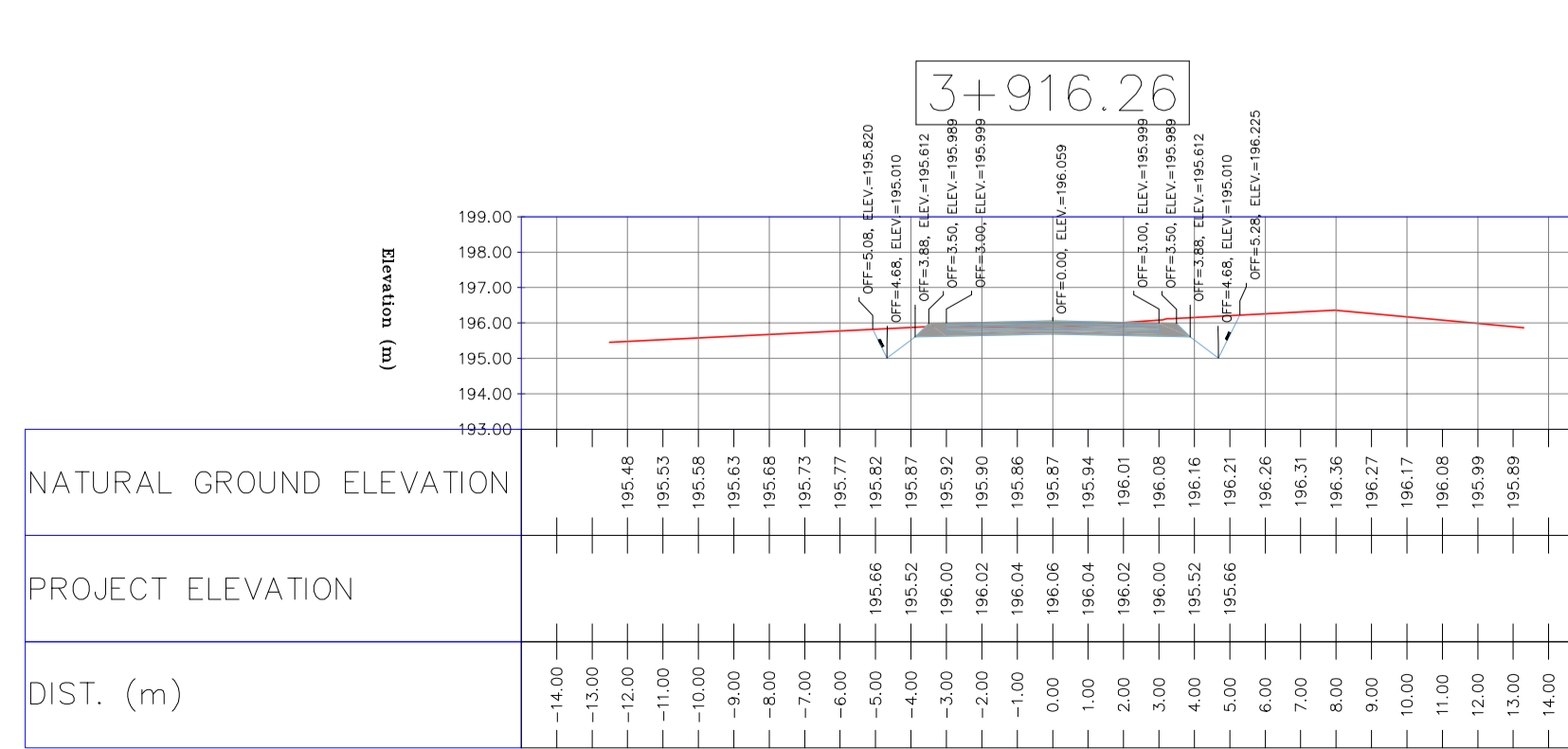
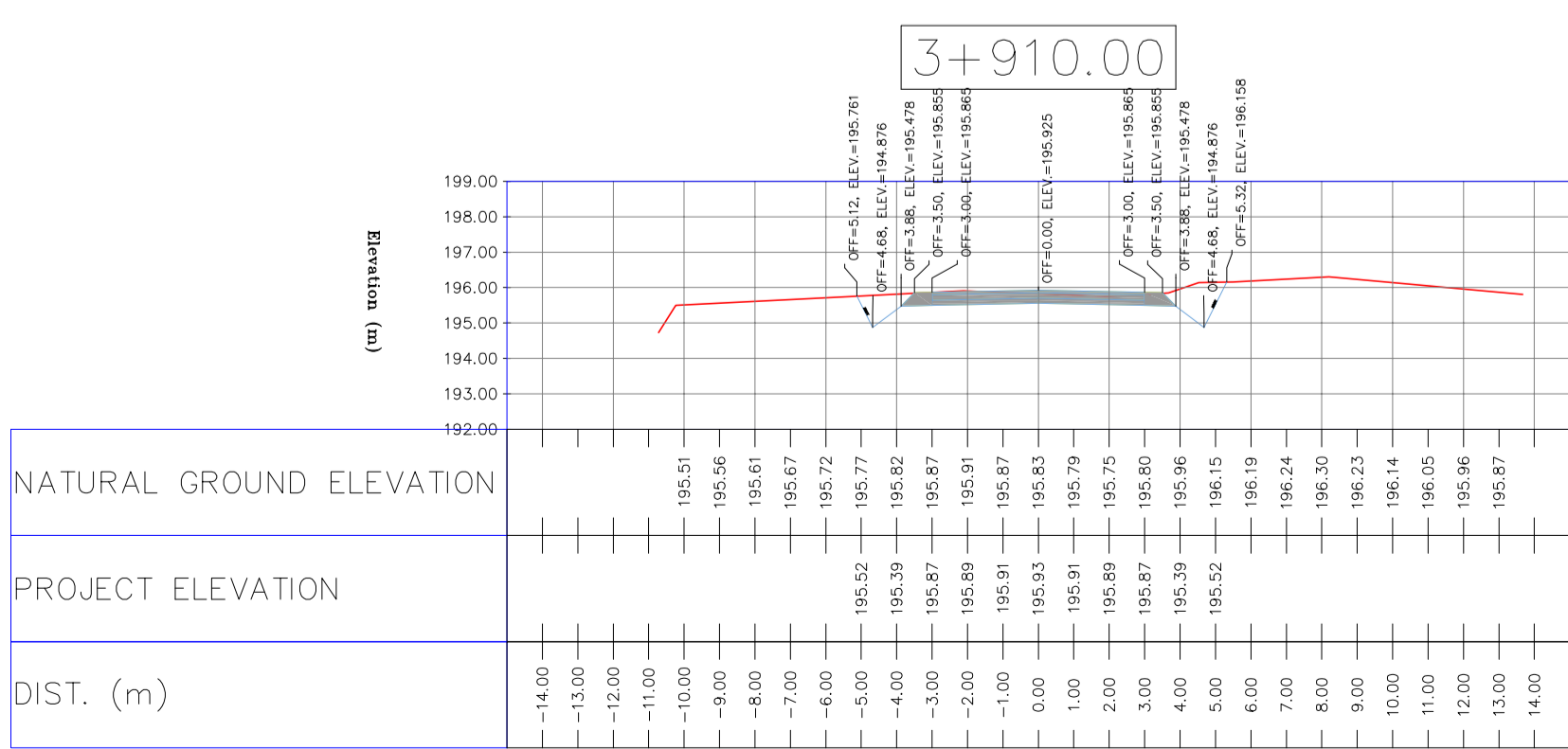
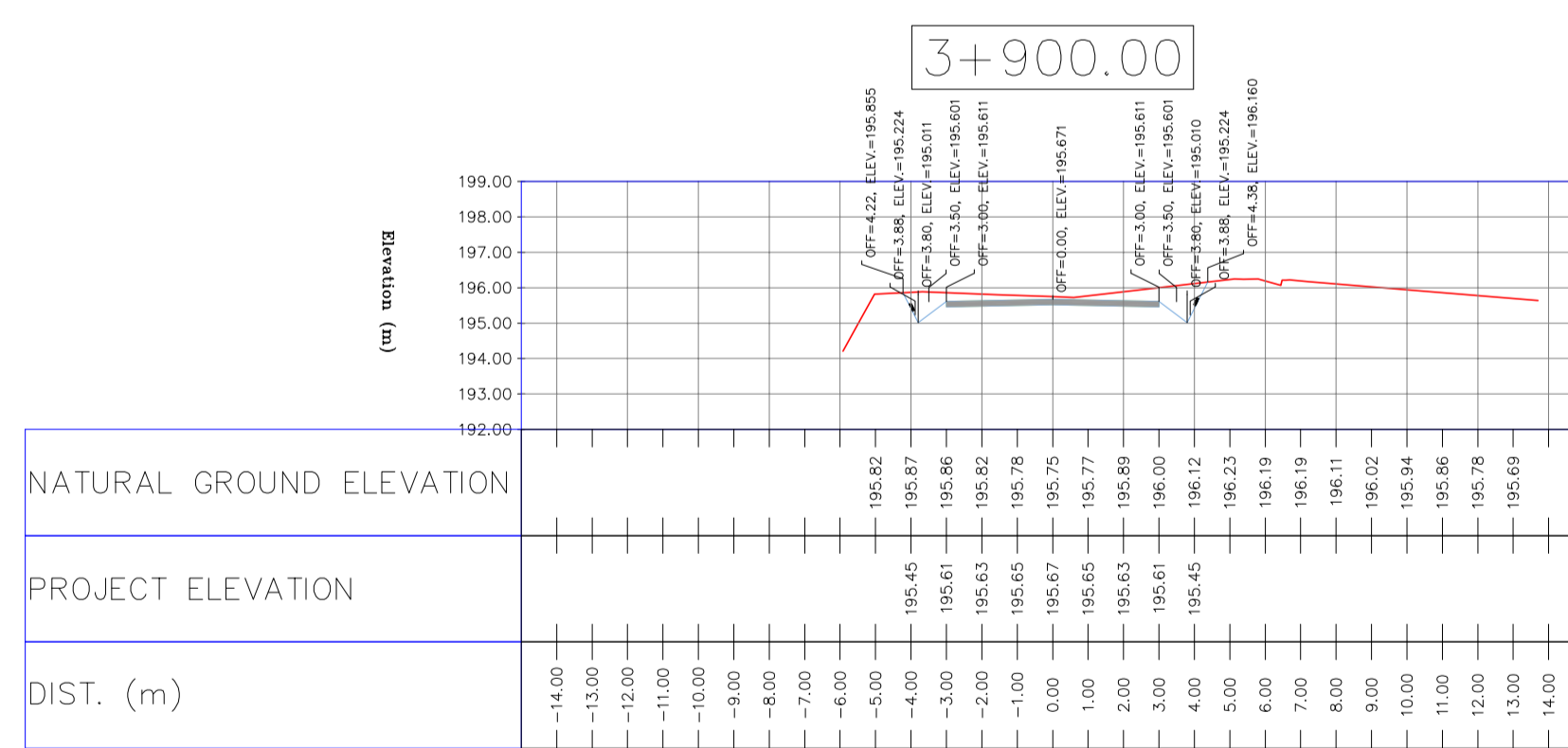
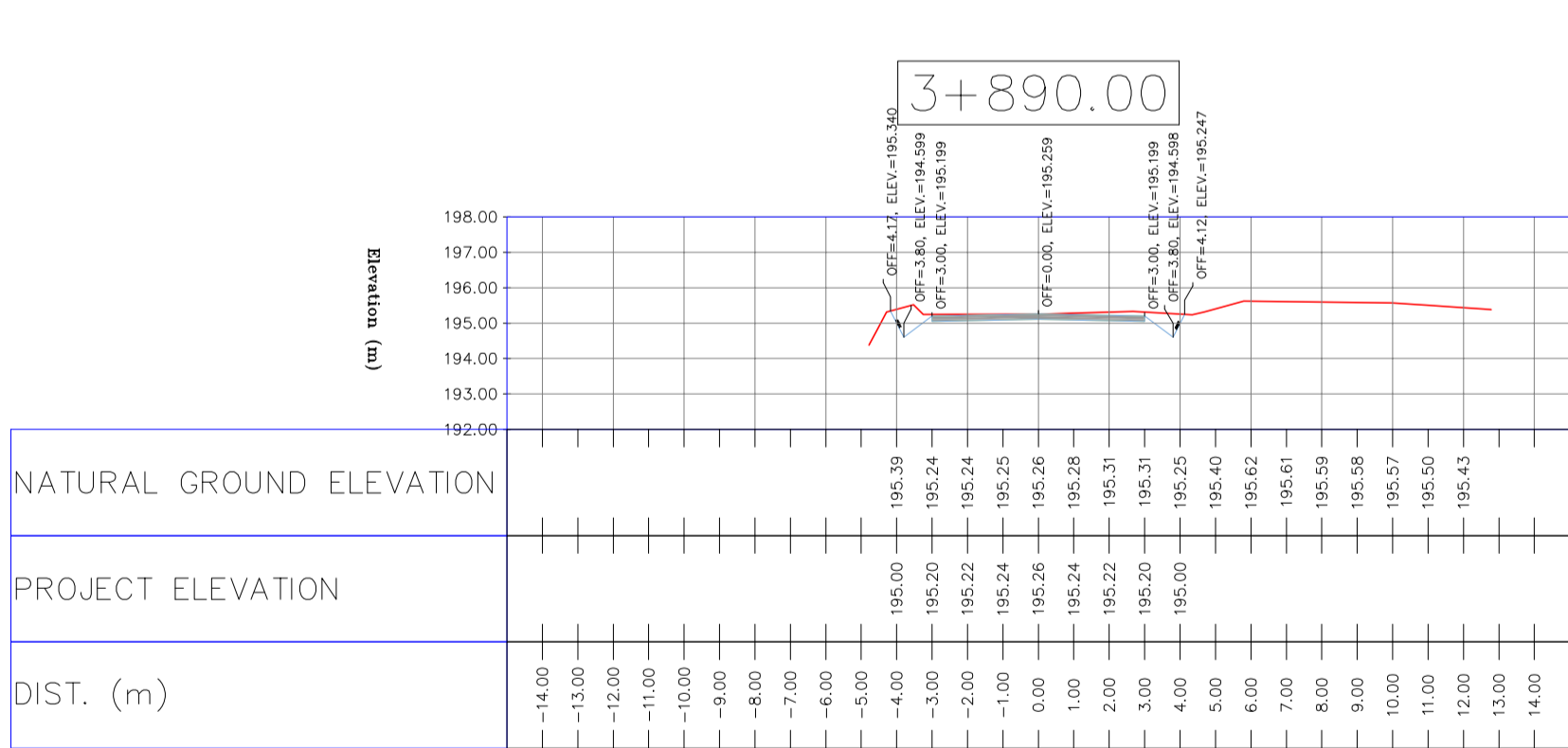
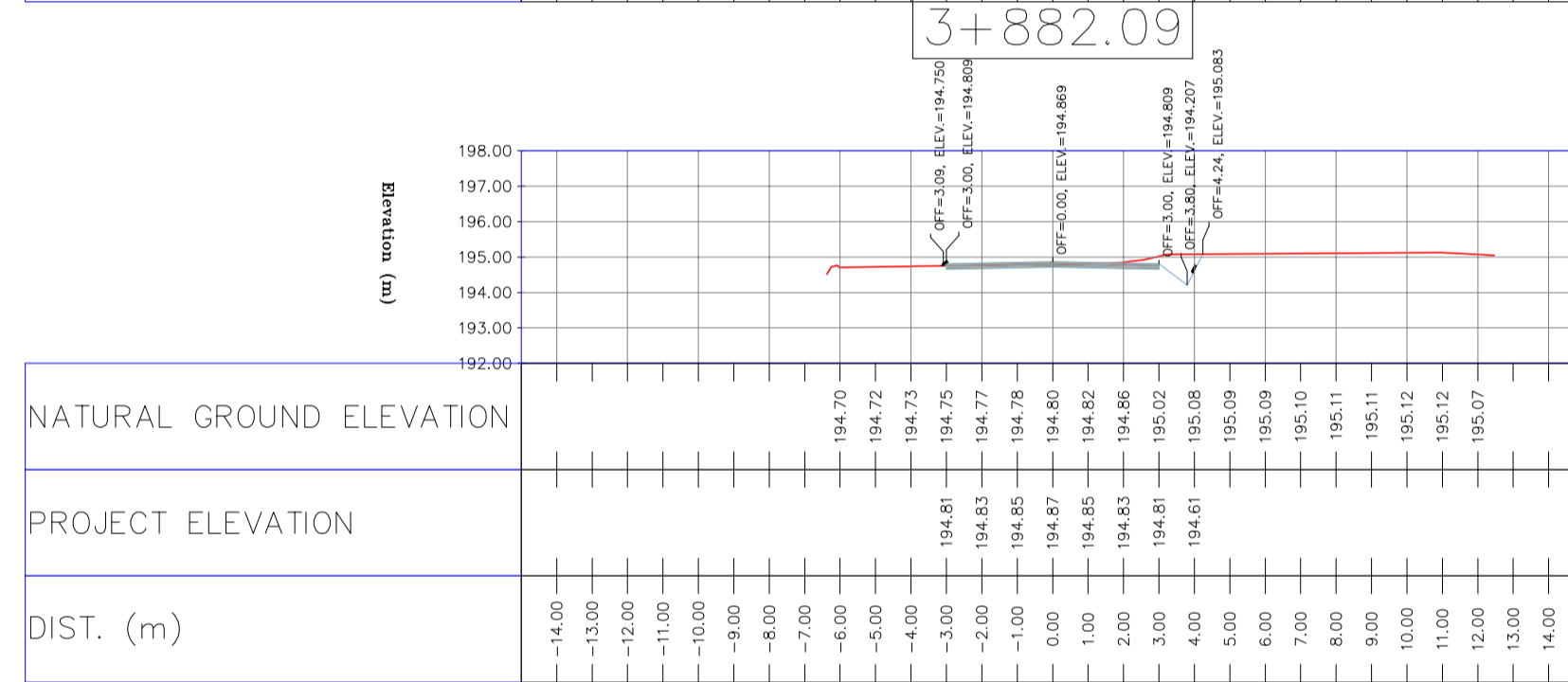
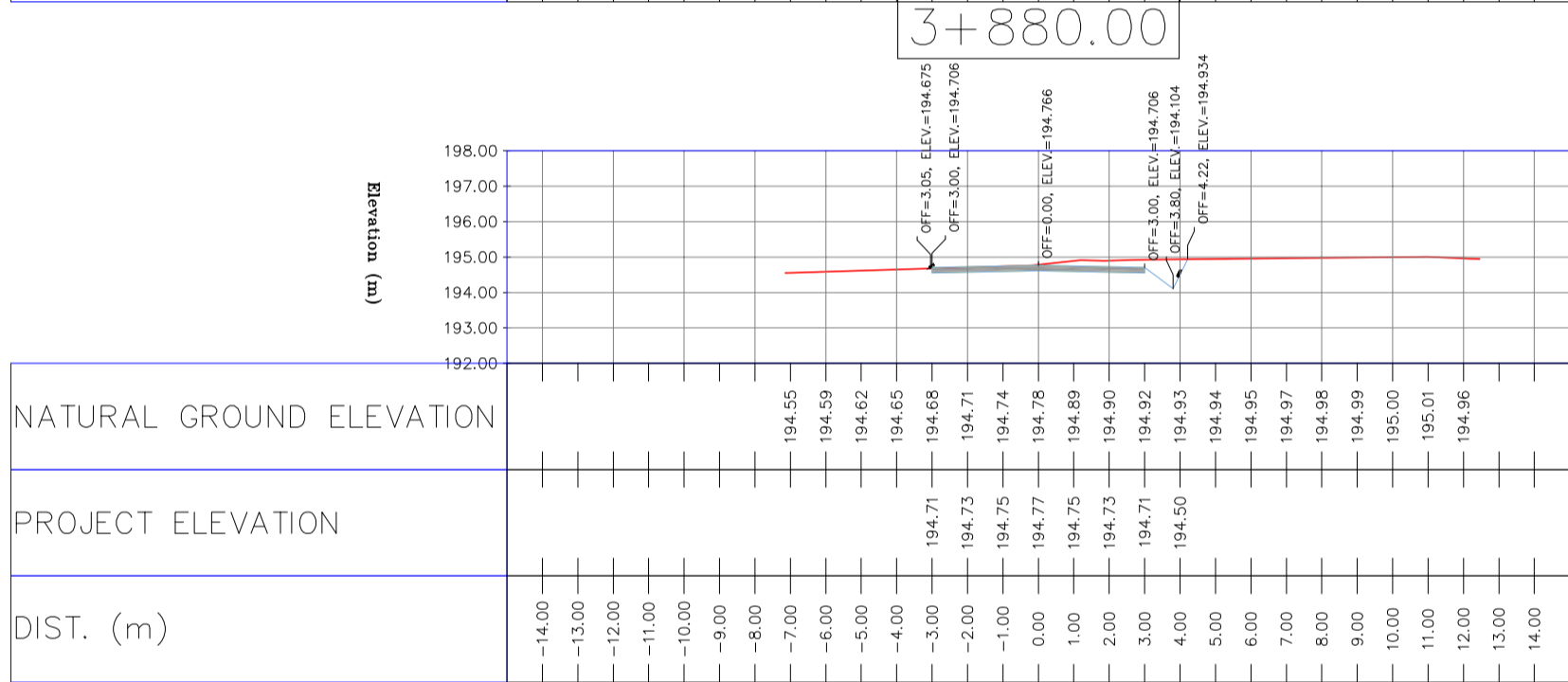
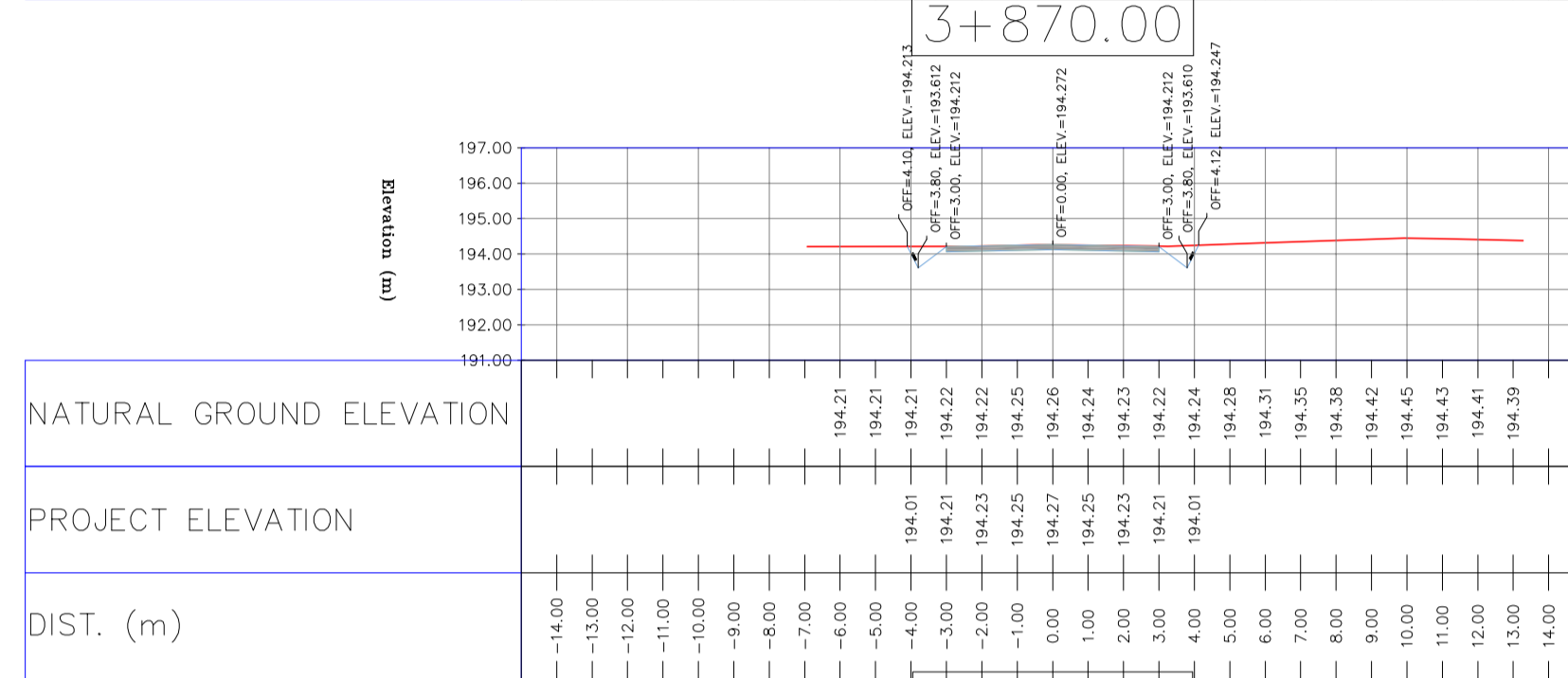
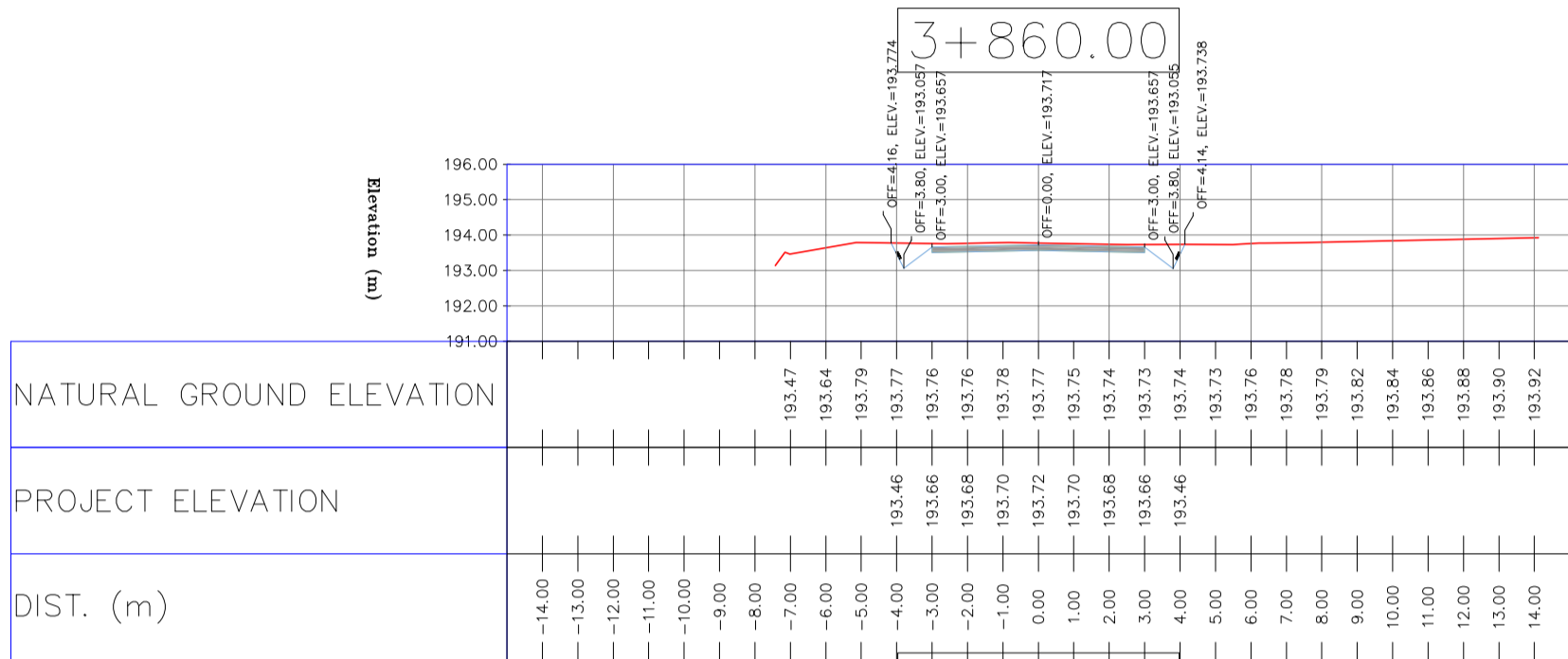
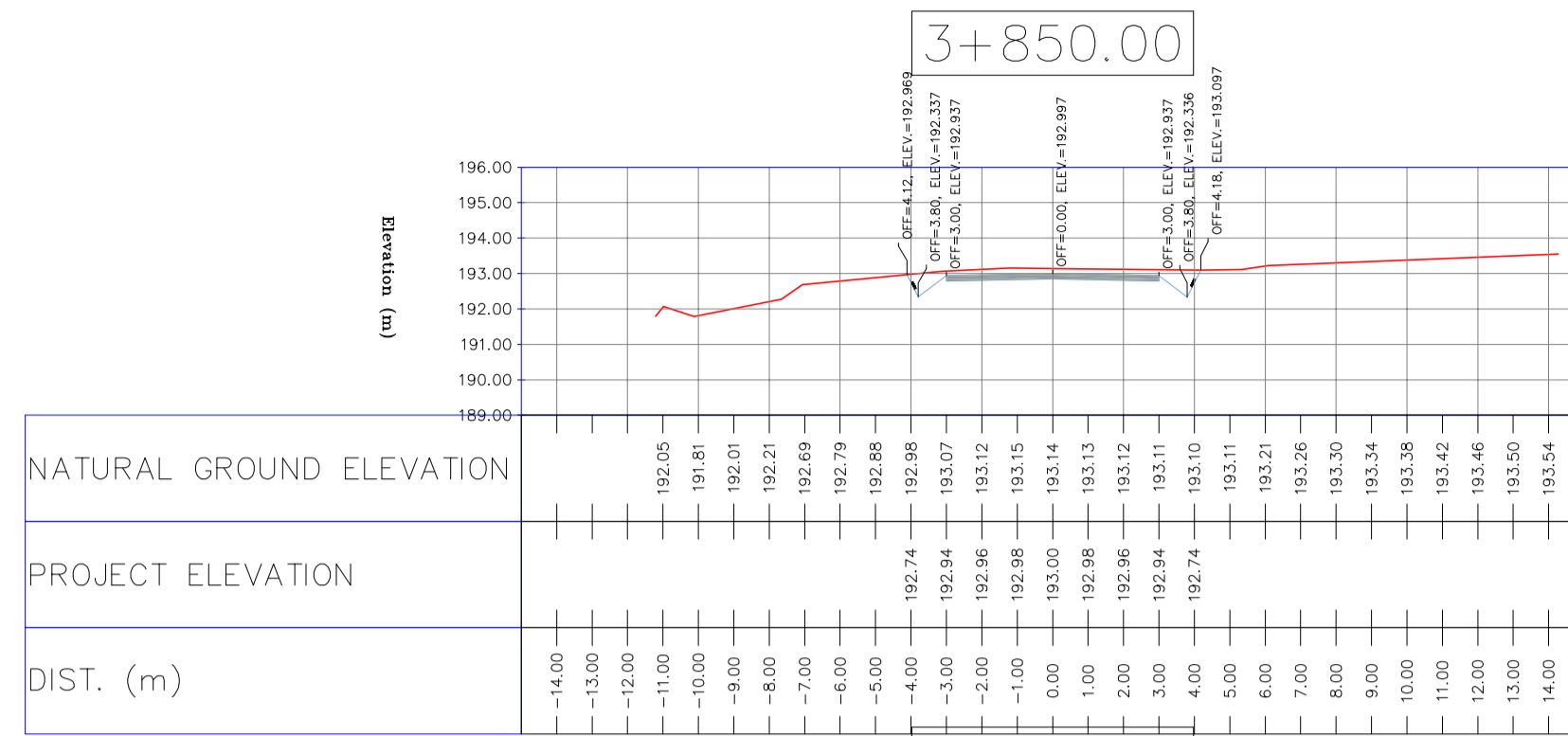
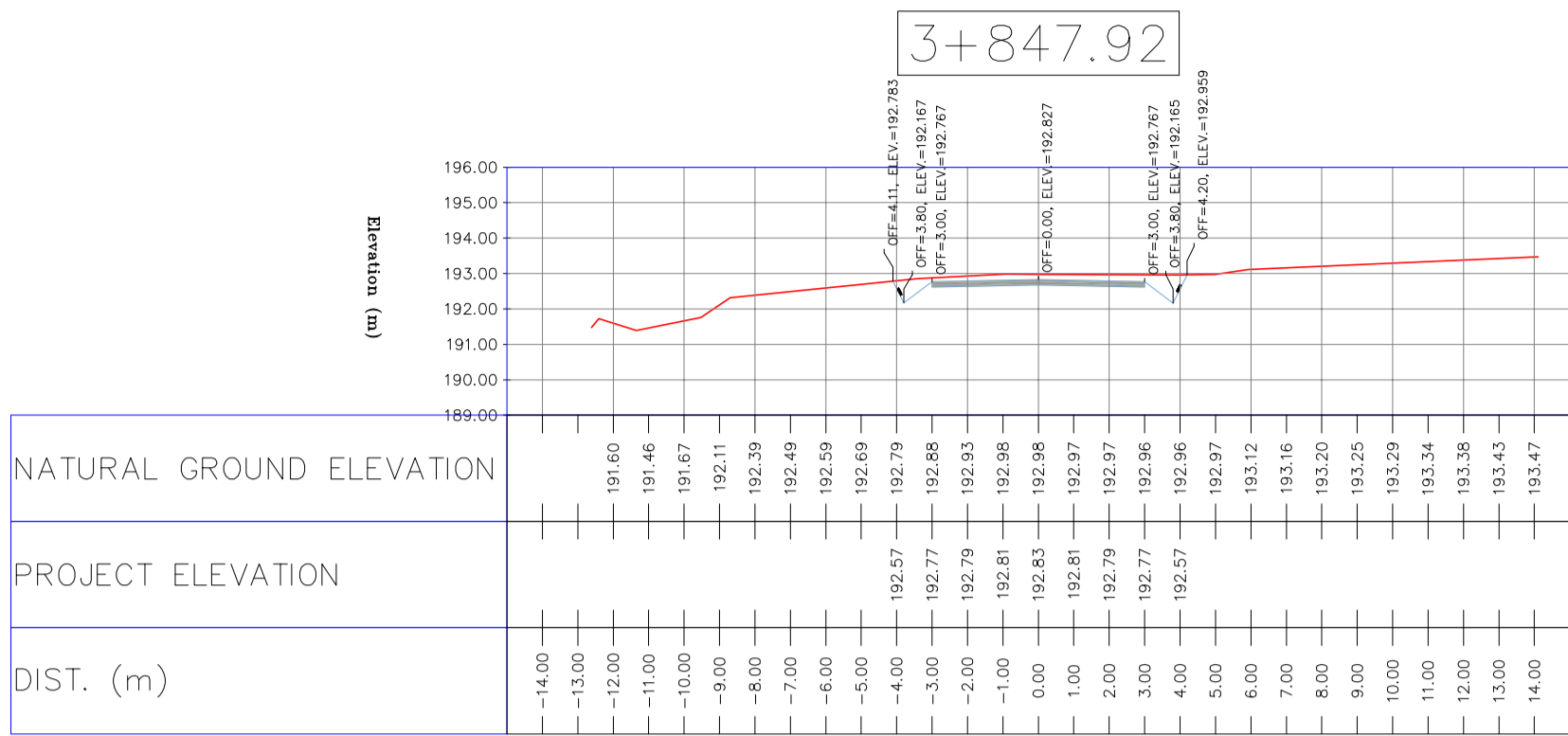
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	81 OF 98	D04	053-073-9184	F	4	S	708209	81	D04

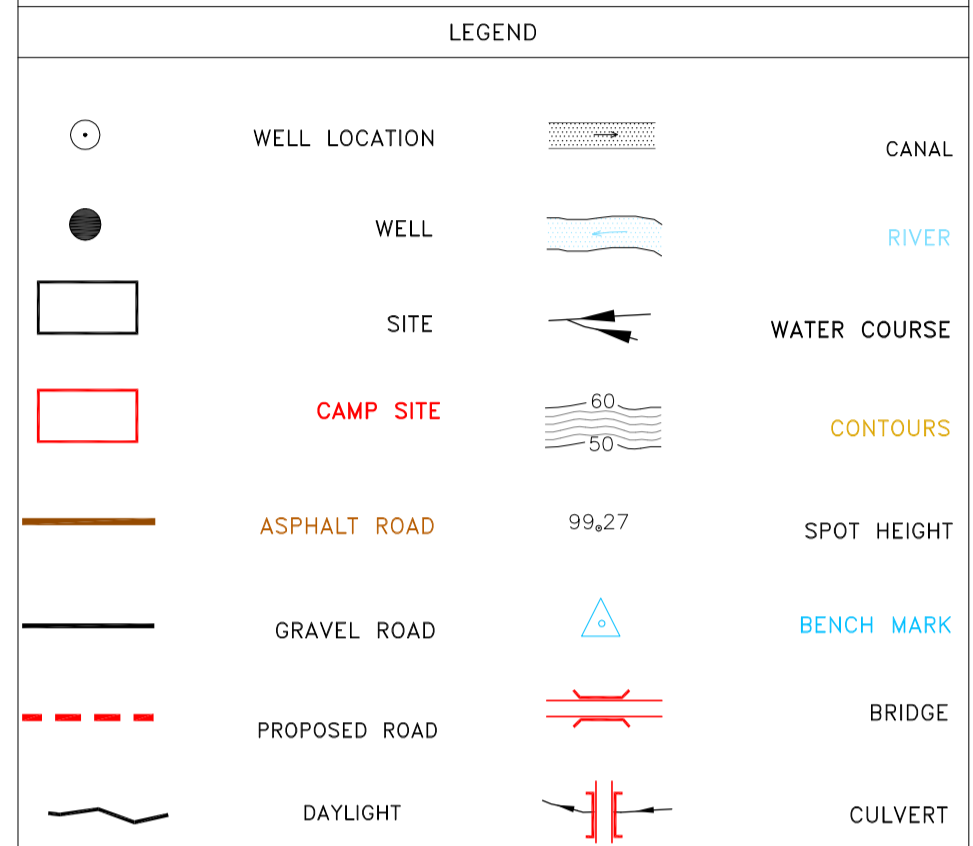
اسم و کلیه نسخ این نقشه و حق امتیاز منطبق به شرکت ملی مناطق نفت خیز جنوب میباشند. THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:



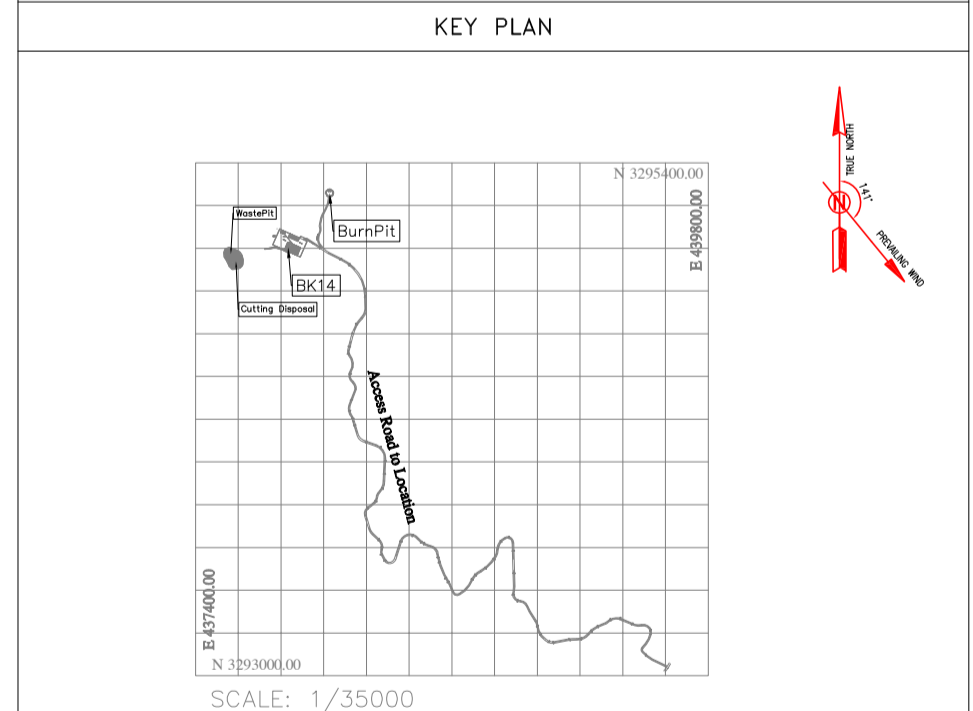
- NOTES
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - GEODETTIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETTIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.



REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGIN OF VERTICAL CURVE STATION
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

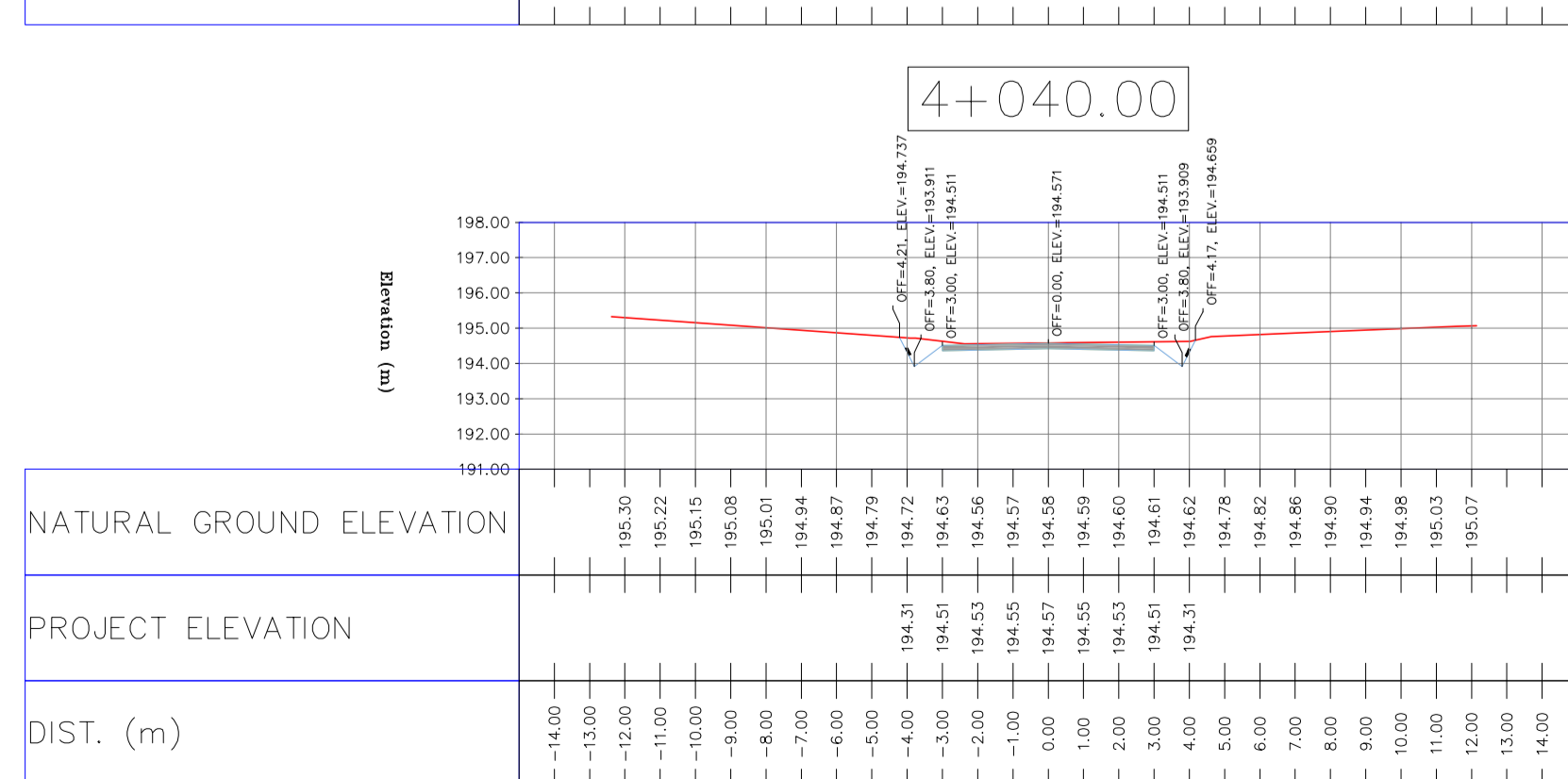
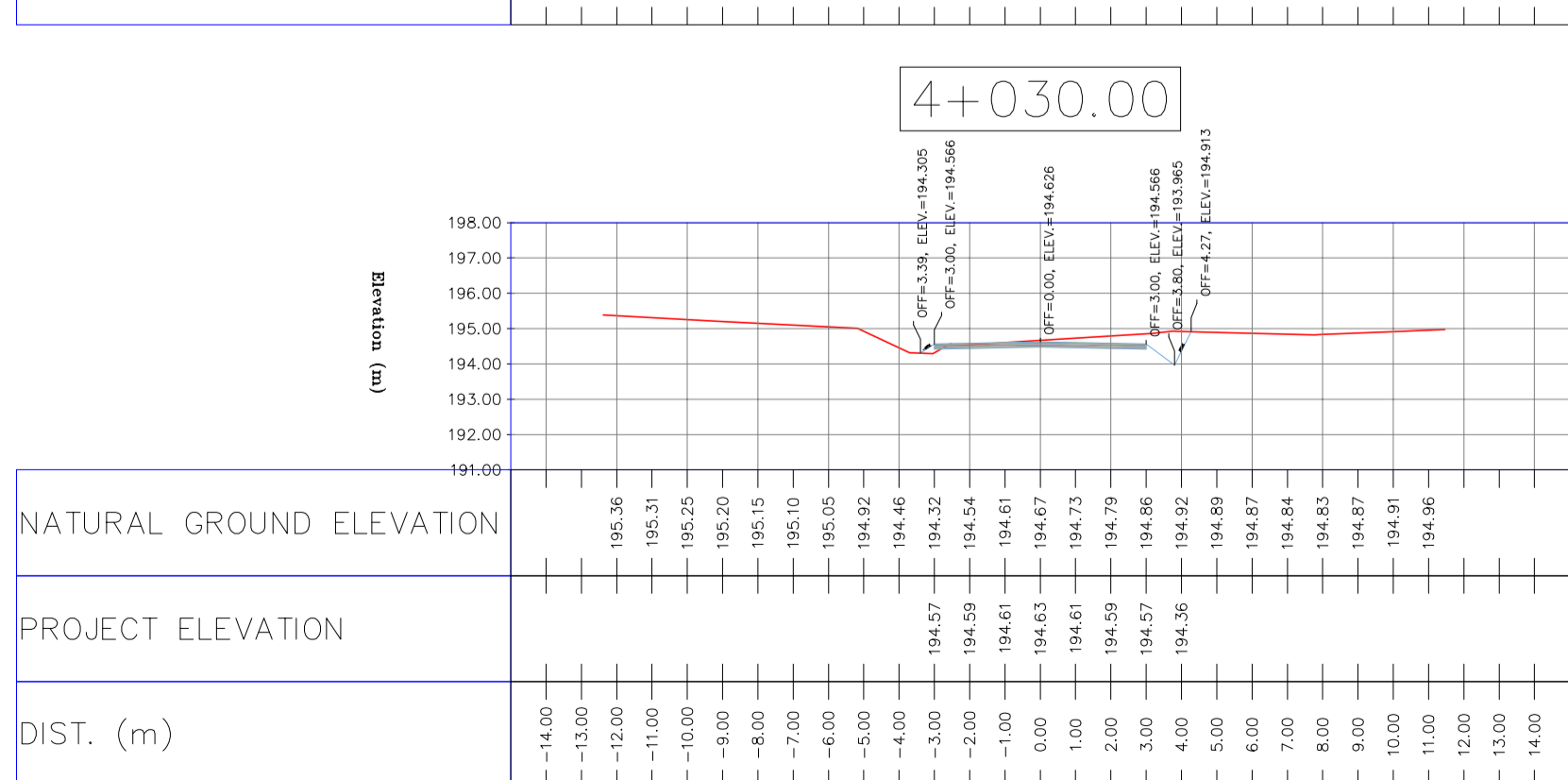
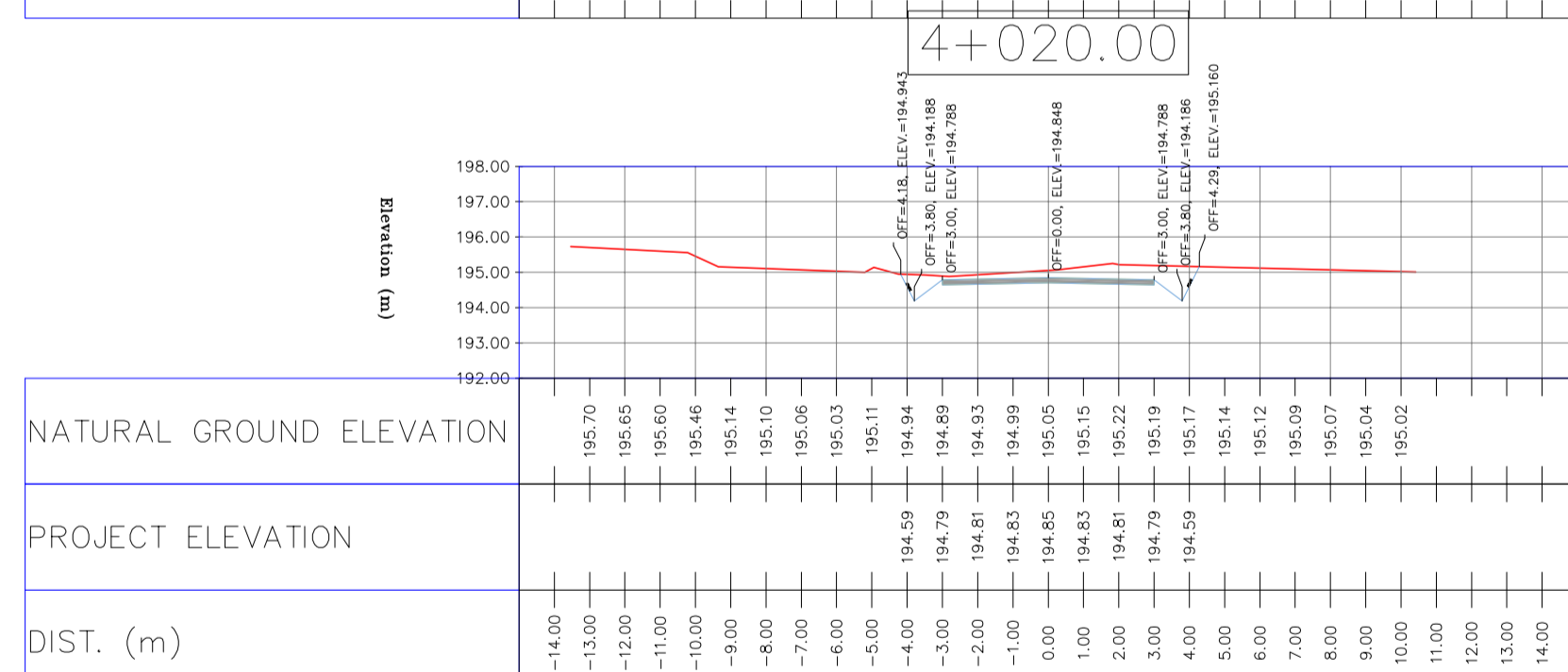
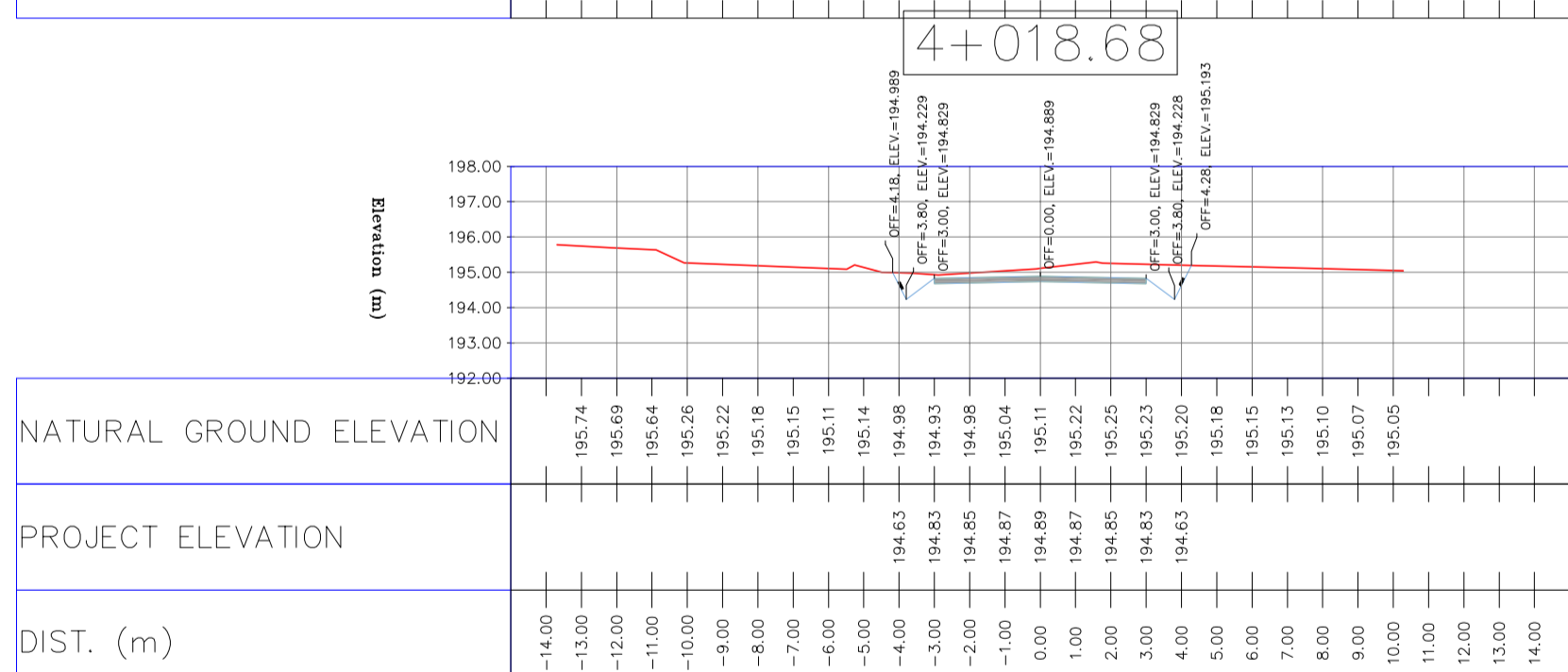
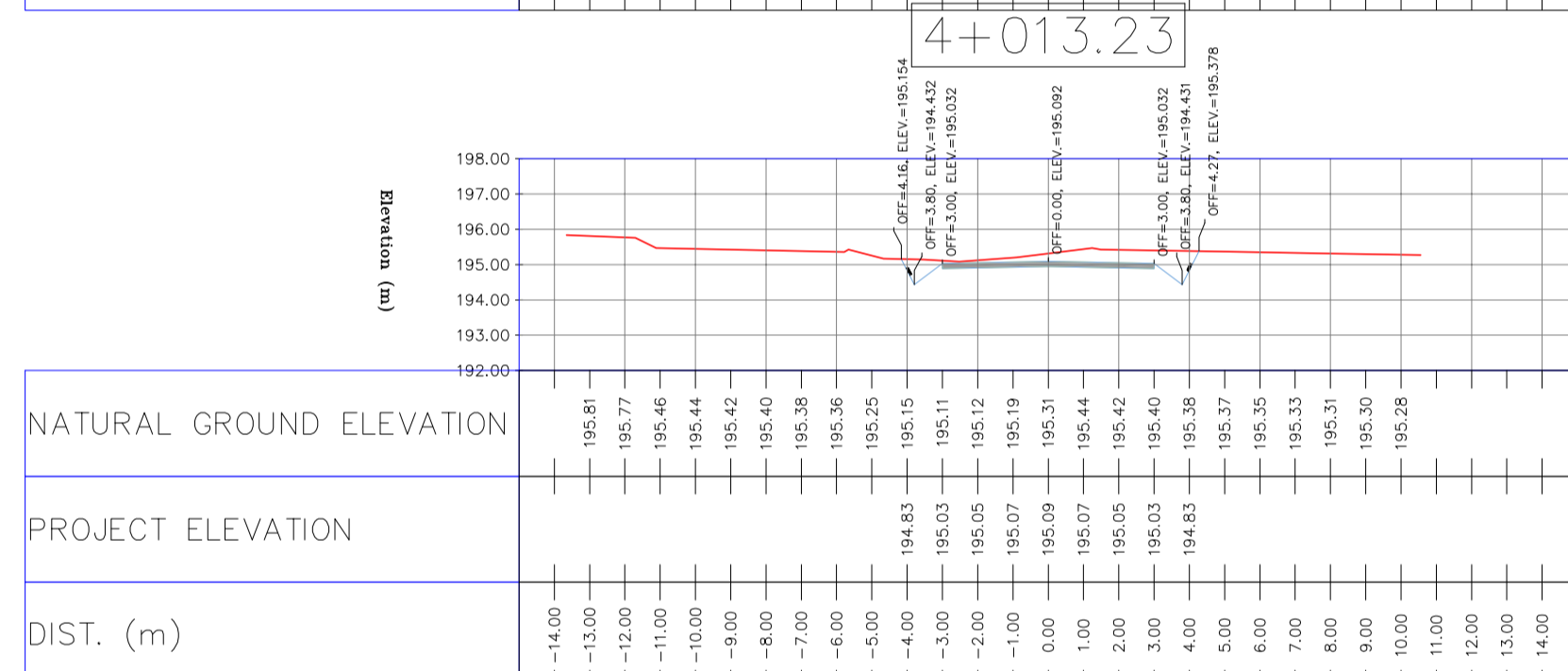
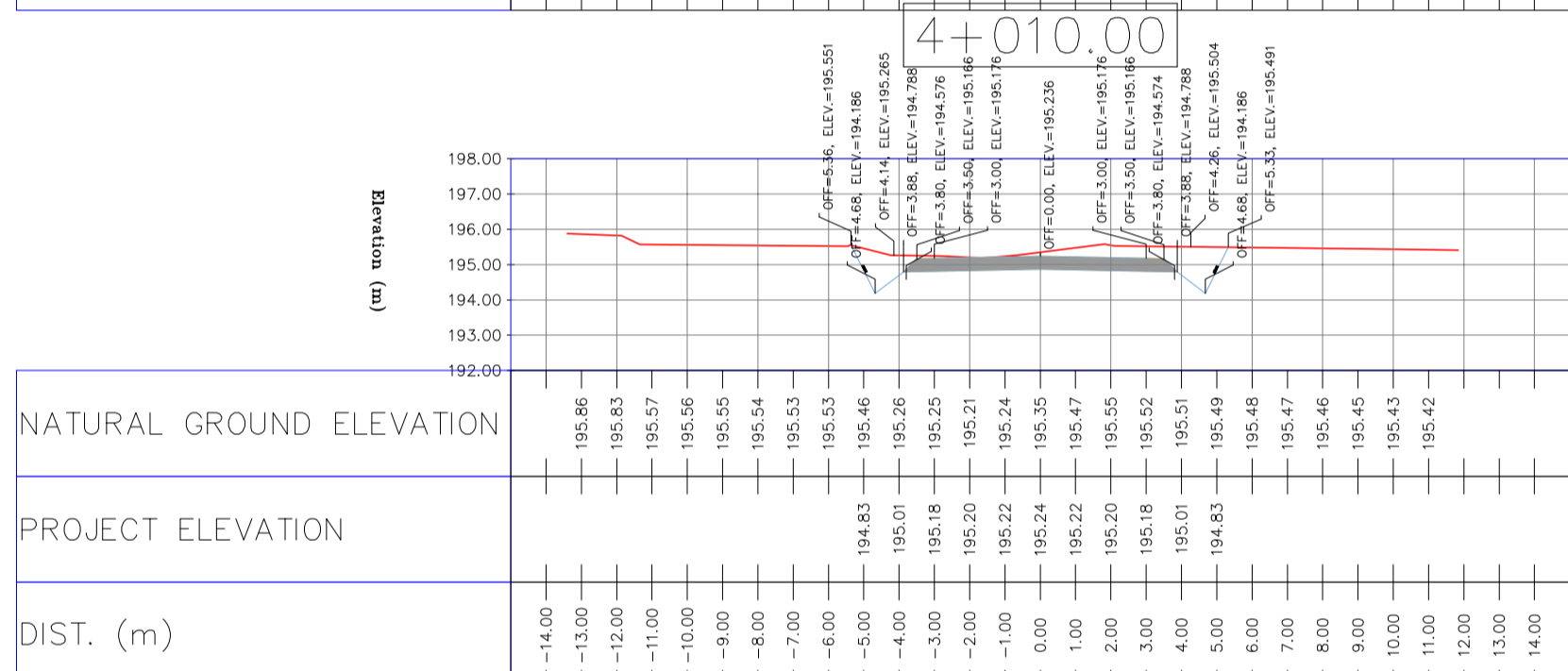
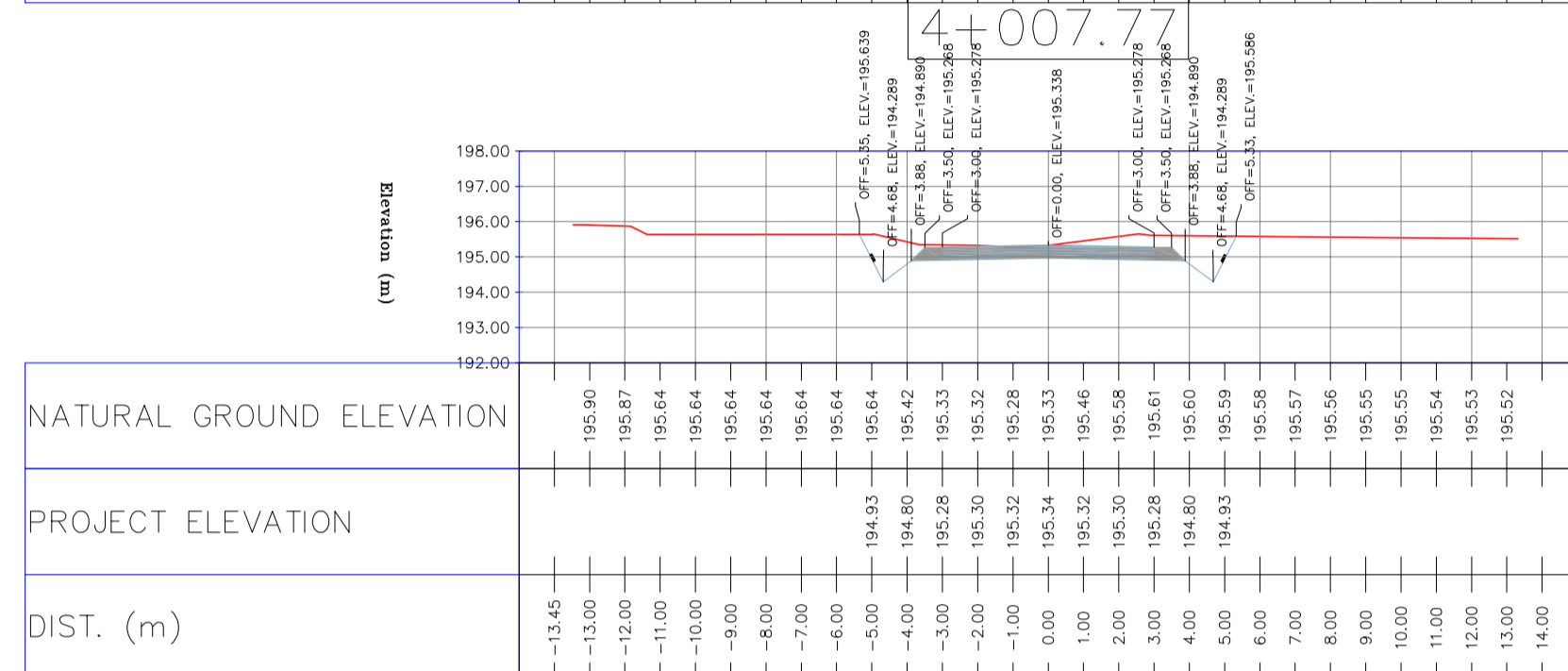
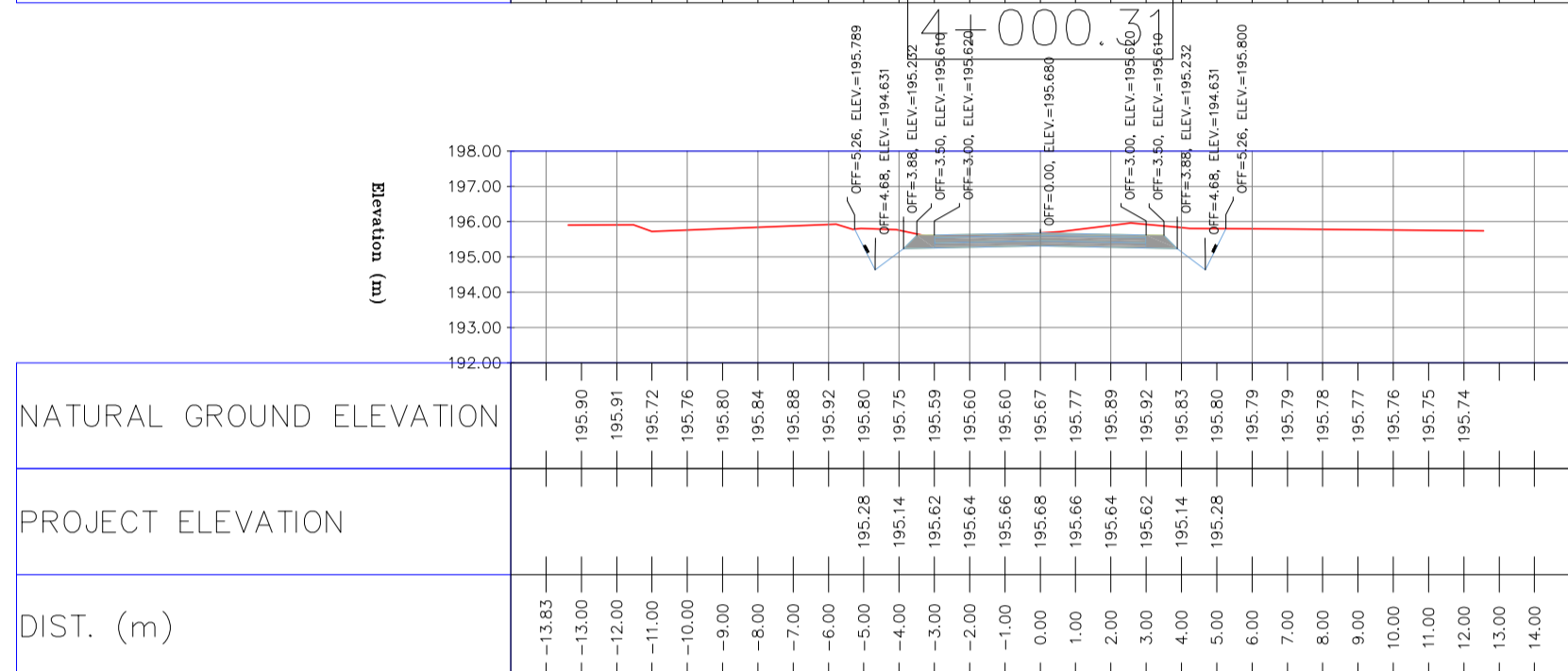
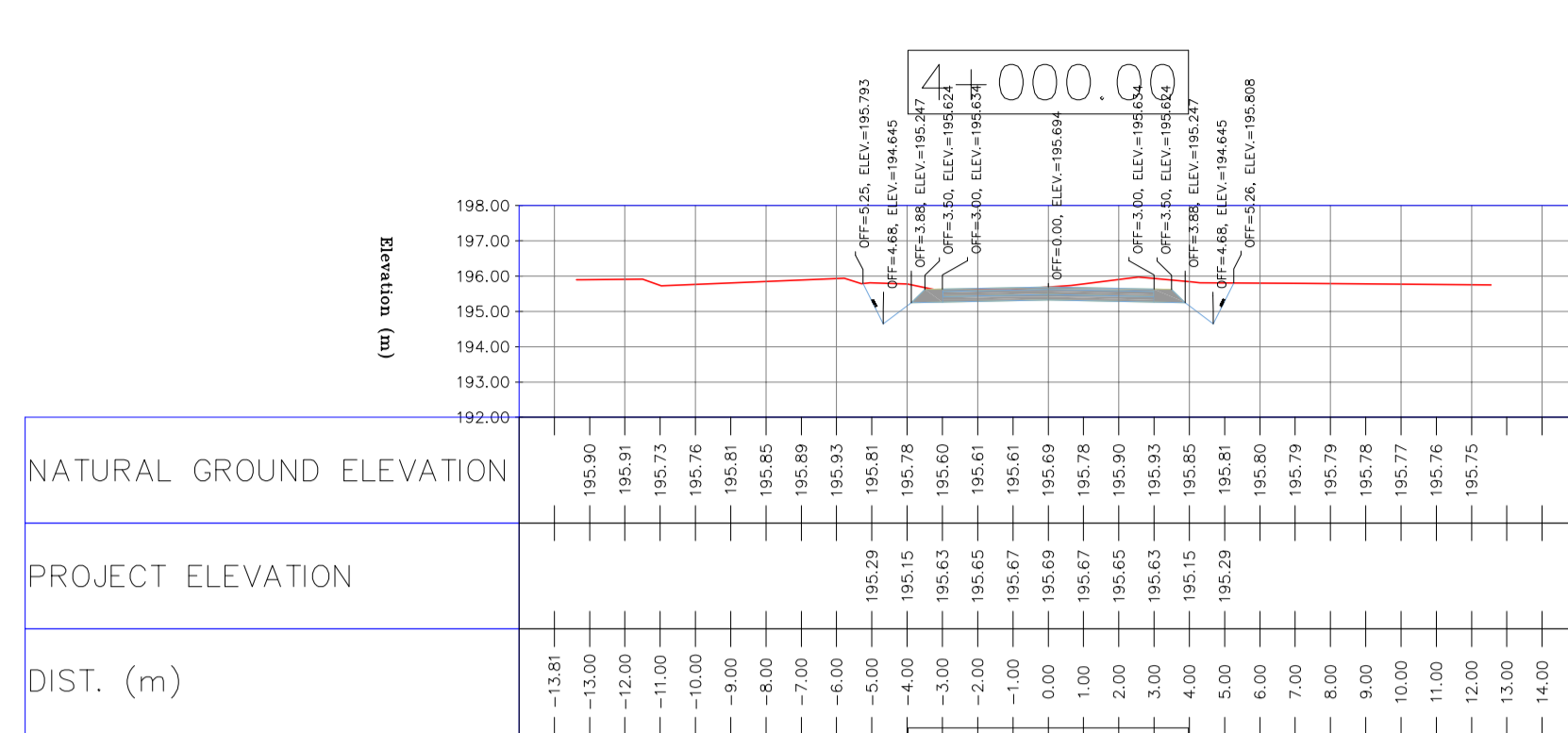
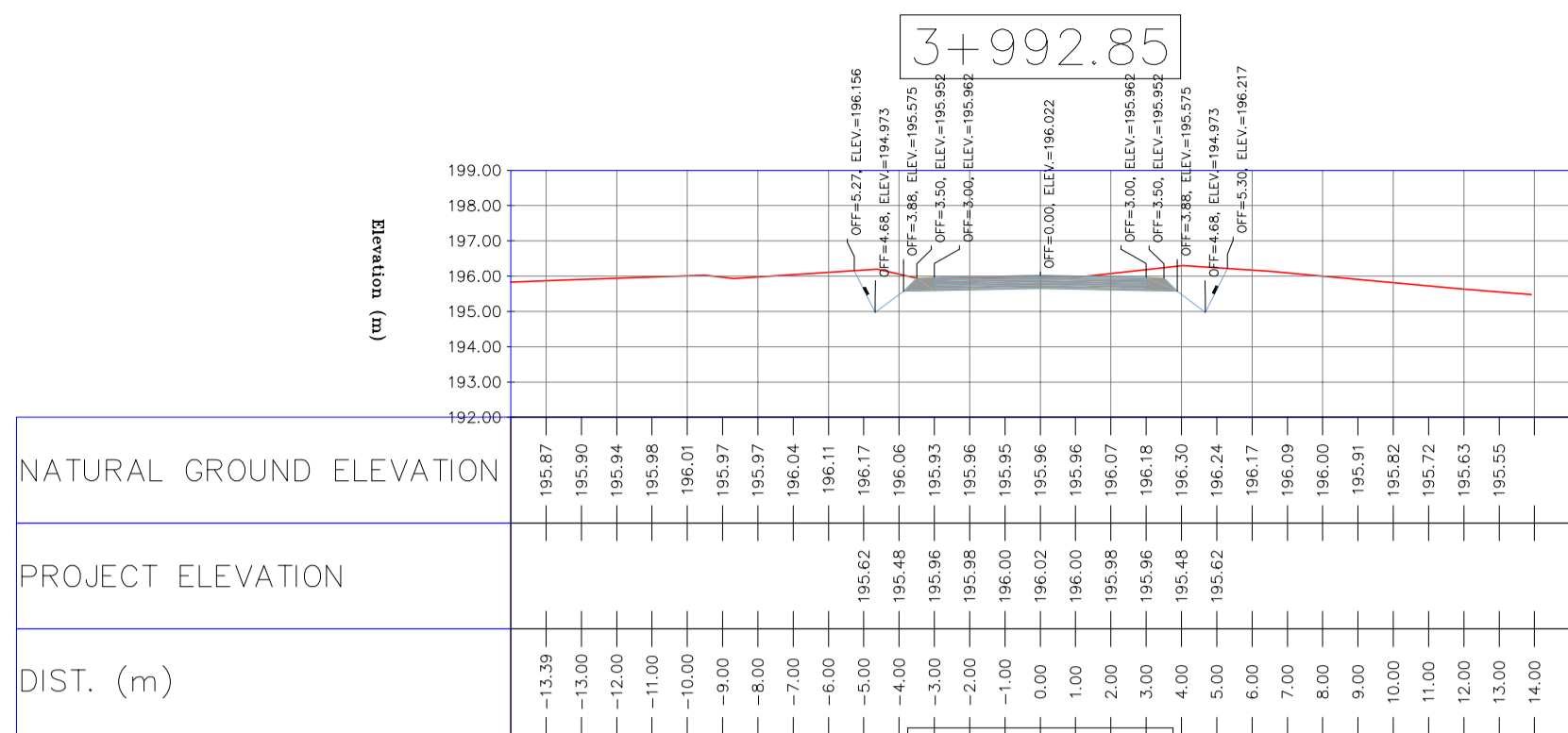
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	84 OF 98	D04	053-073-9184	F	4	S	708209	84	D04

اسل و کليه نسخ اين نقشه به حق امتياز متعلق به شرکت ملی مناطق نفت خيز جنوب مي باشد.
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES
BK14 WHF MODIFICATIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207,
IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK"
DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

LEGEND

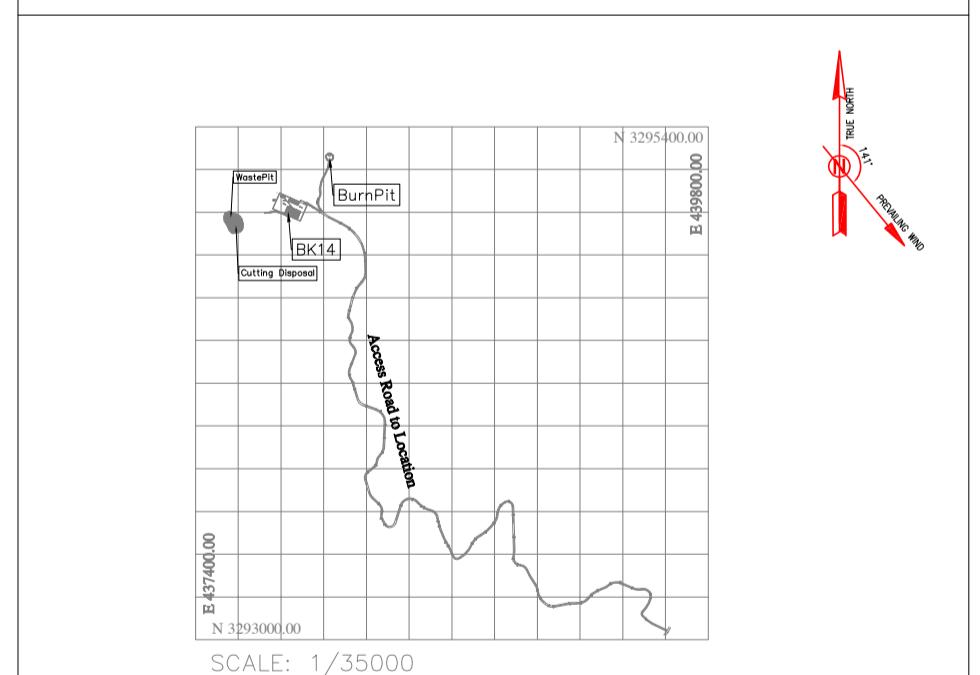
- WELL LOCATION
- WELL
- SITE
- CAMP SITE
- ASPHALT ROAD
- GRAVEL ROAD
- PROPOSED ROAD
- DAYLIGHT
- CANAL
- RIVER
- WATER COURSE
- CONTOURS
- SPOT HEIGHT
- BENCH MARK
- BRIDGE
- CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

- PT= POINT
- PVI= POINT OF VERTICAL INTERSECTION
- LVC= LENGTH OF VERTICAL CURVE
- BVCS= BEGIN OF VERTICAL CURVE STATION
- BVCE= BEGIN OF VERTICAL CURVE ELEVATION
- EVCS= END OF VERTICAL CURVE STATION
- EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

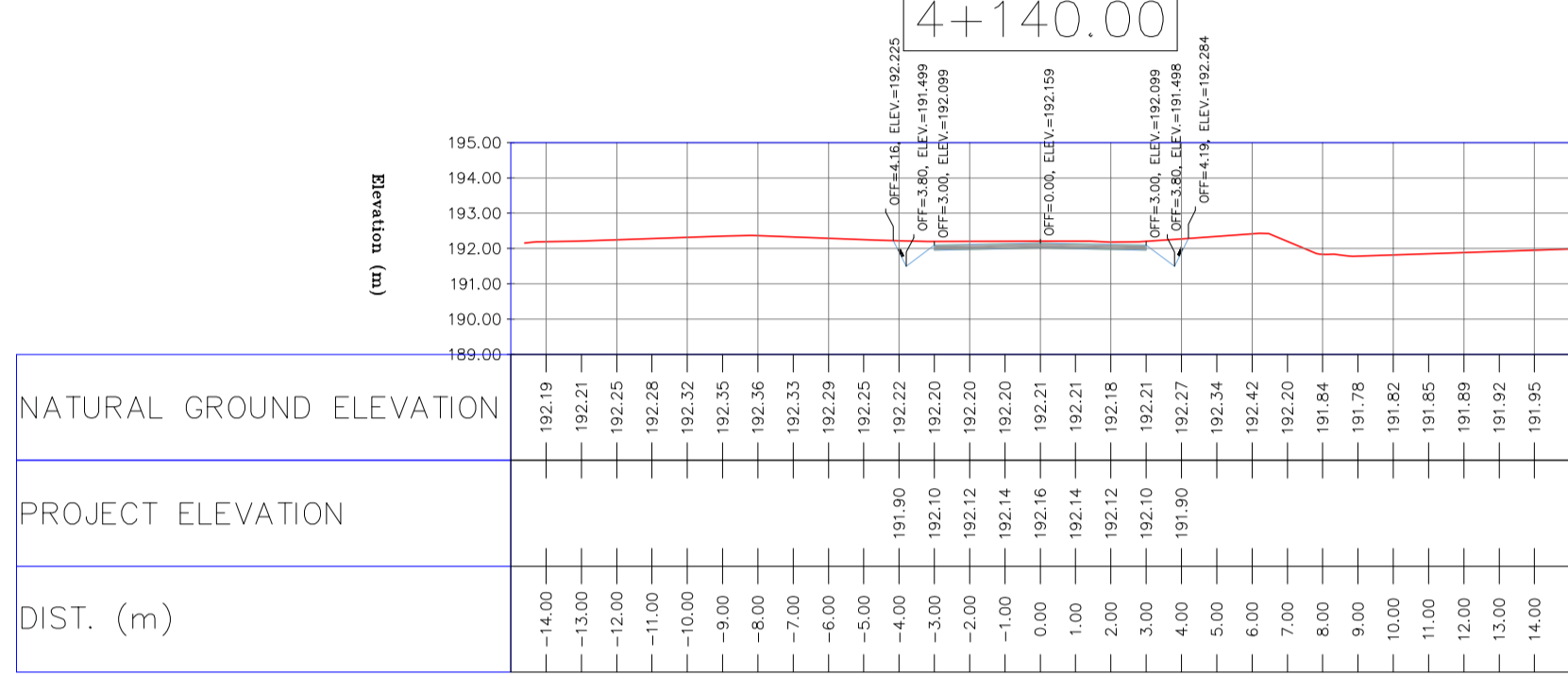
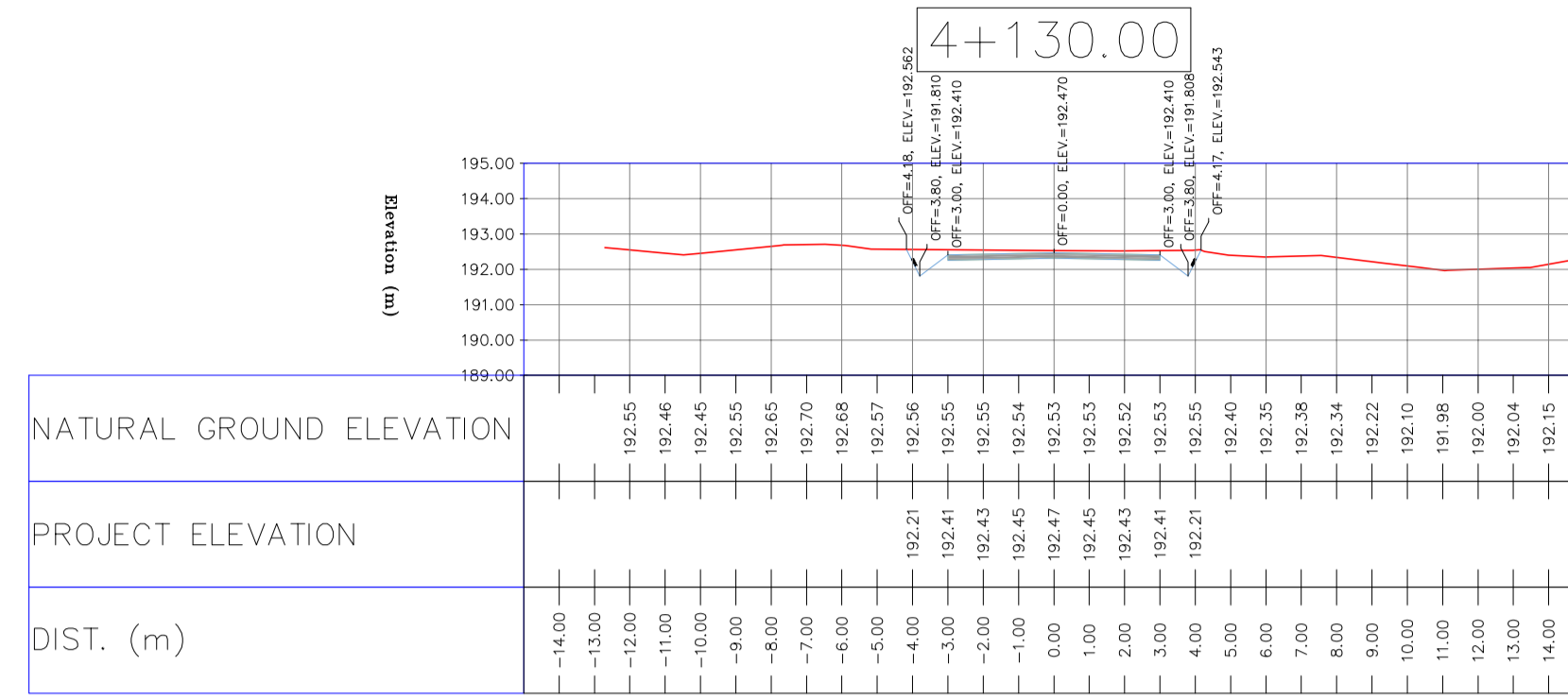
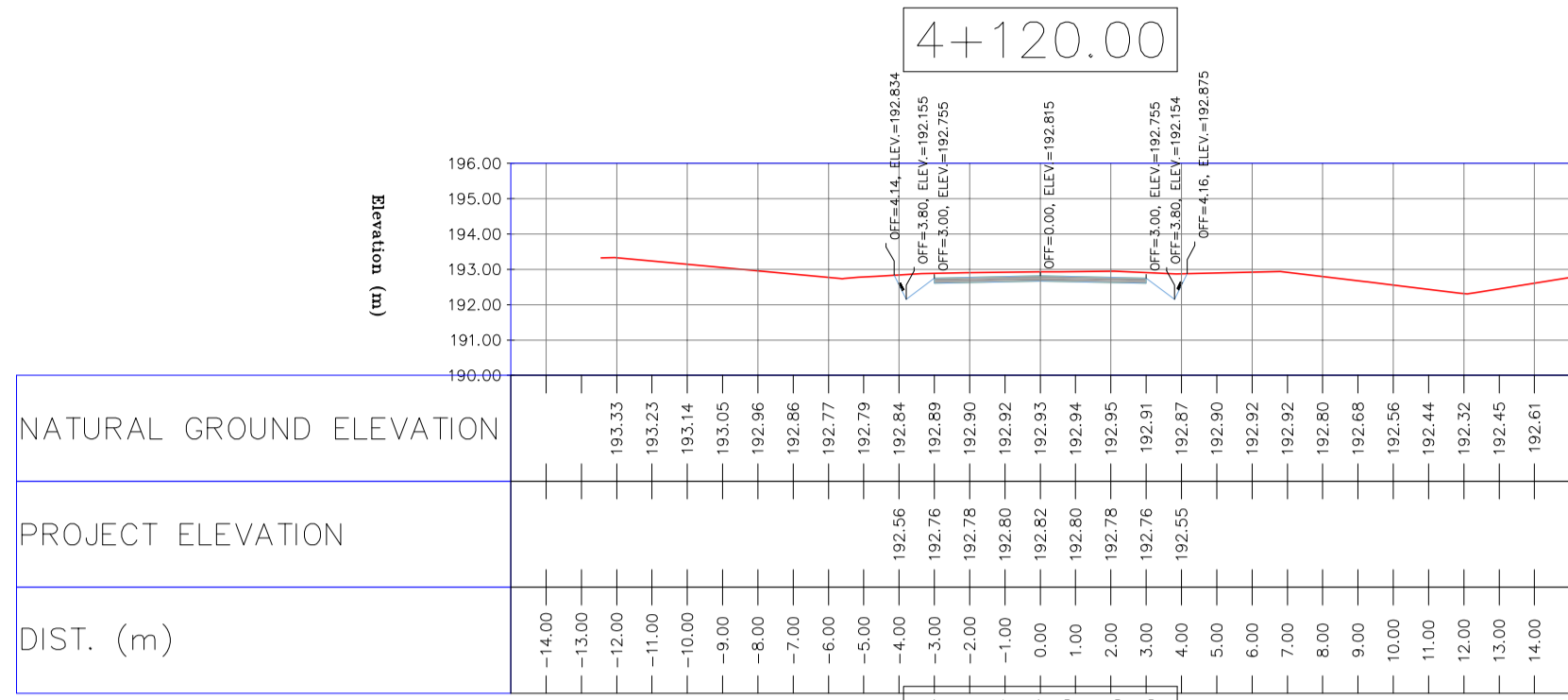
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	86 OF 98	D04	053-073-9184	F	4	S	708209	86	D04

اسل و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشند.

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

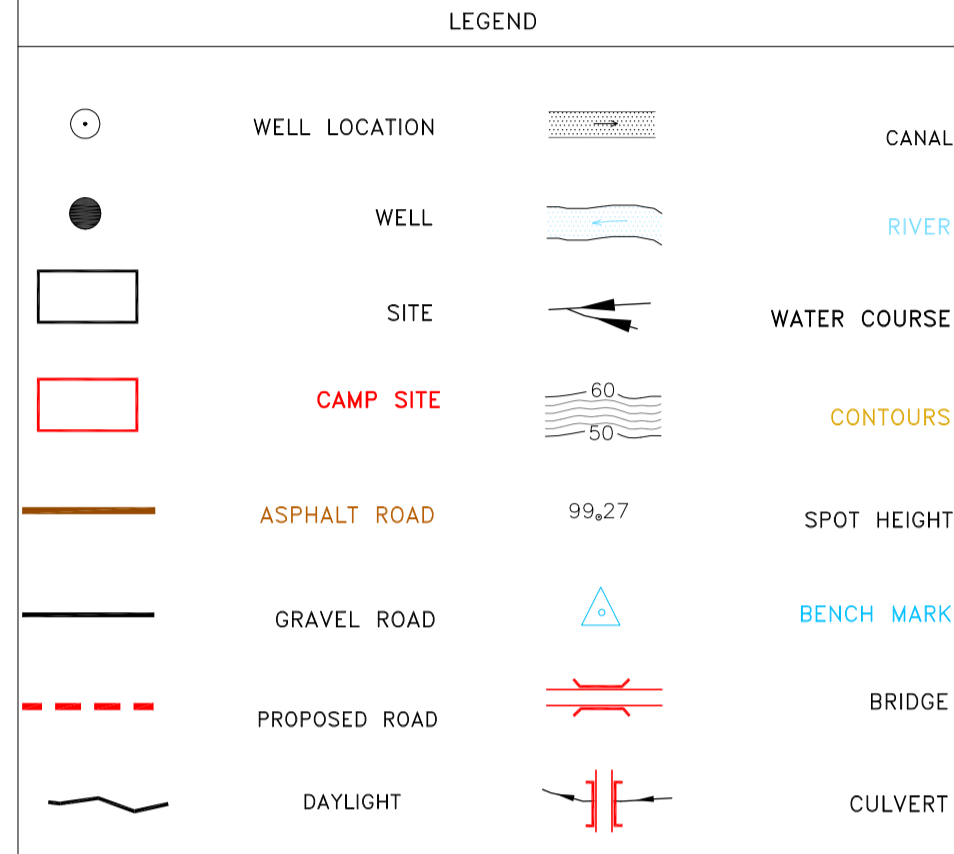
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:



NOTES

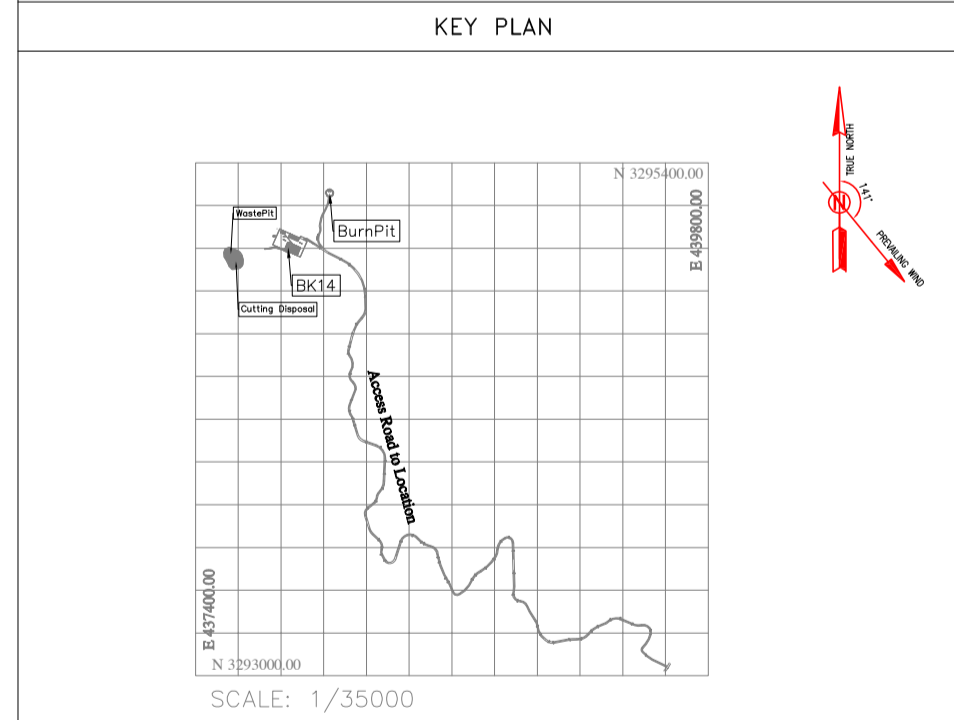
- 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
- 2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- 4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207,
IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- 5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN....) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.



REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

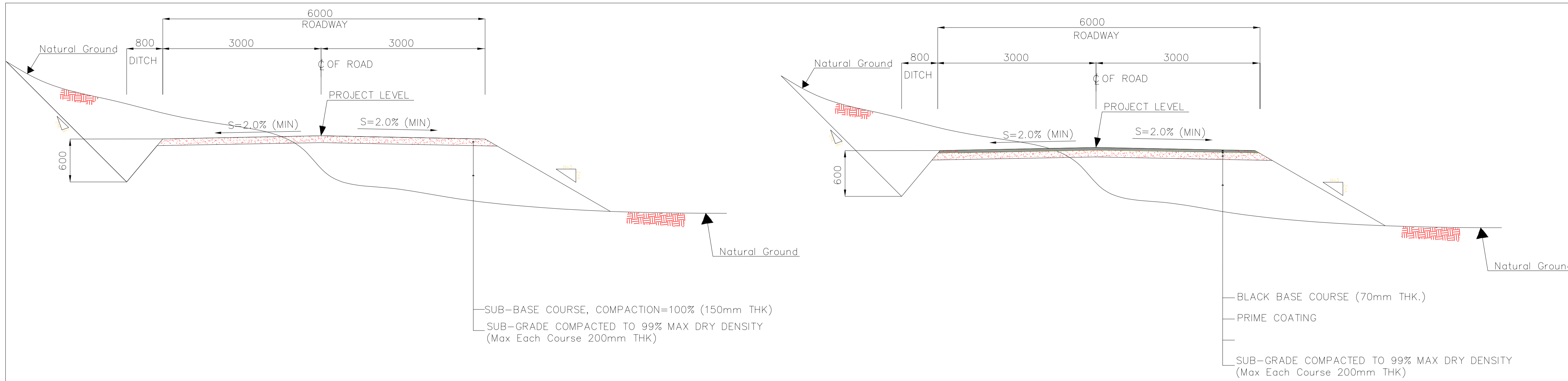
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
------	-------	------------	------------	--------------

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	88 OF 88	D04	053-073-9184	F	4	S	708209	88	D04



1 TYPICAL CROSS SECTIONS (Access Road)–Regular Area

2 TYPICAL CROSS SECTIONS (Access Road)–Asphalt Area (Refer to Table1)

- NOTES**
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL
 - THE SUITABLE MATERIAL FOR FILLING AND ASPHALT SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101,
 IRAN PLANNING AND BUDGET ORGANIZATION.
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MAR...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
 - CULVERT AND RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
 - PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGR-PEDCO-110-PI-DW-0001
 - THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout –BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan–BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report – BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGN OF VERTICAL CURVE STATION
 BVCE= BEGN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN

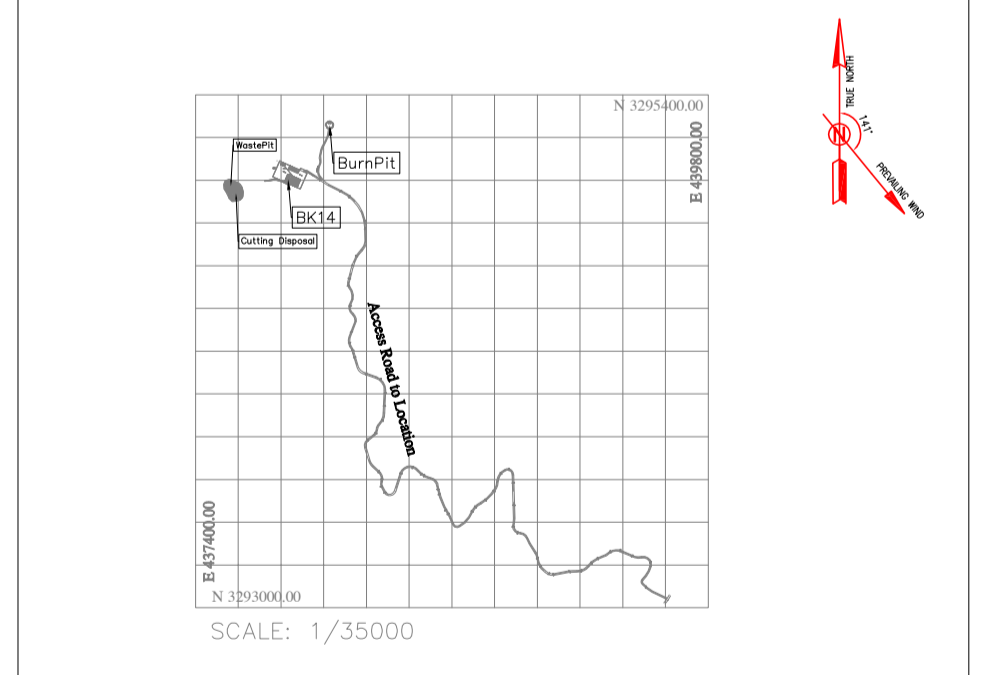


TABLE 1–ASPHALT AREA SPECIFICATION

NAME	KM START	KM END	LENGTH(m)
AREA1	0+430.00	0+550.00	120
AREA2	0+970.00	1+150.00	180
AREA3	2+150.00	2+250.00	100
AREA4	2+800.00	3+290.00	490
AREA5	3+900.00	4+010.00	110
		TOTAL	1000

TABLE 3–LIST OF NEW CULVERT

NUMBER	KM	TYPE OF CULVERT
1	0+384	CONCRETE PIPE CULVERT (DIAMETER 80 cm)
2	0+900	CONCRETE PIPE CULVERT (DIAMETER 80 cm)
3	0+943.33	CONCRETE PIPE CULVERT (DIAMETER 80 cm)
4	1+036.30	CONCRETE PIPE CULVERT (DIAMETER 80 cm)
5	3+940	CONCRETE PIPE CULVERT (DIAMETER 80 cm)

TABLE 2–RETAINING WALL AREA

NAME	KM START	KM END	LENGTH(m)	WIDTH(Cm)
AREA1	2+320.00	2+350.00	30	50
AREA2	3+116.00		5	50
AREA3	3+330.00	3+390.00	120 (60*2)	40

TABLE 4–LIST OF ROAD WIDENING AREA

NUMBER	KM START	KM END	LENGTH(m)
1	0+580	0+620	30
2	1+700	1+750	28
3	2+200	2+230	37

IMPORTANT NOTE: THE EXACT LOCATION OF NEW CULVERT, RETAINING WALL AND ASPHALT AREA SHALL BE ADJUSTED AT SITE.

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***					
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**					

PROJECT NAME: BINAK OILFIELD DEVELOPMENT /SUB-SURFACE WORK PACKAGES BK14 WELLHEAD FACILITIES
 PROJECT NO.: 971020
 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
 EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS – BK14 ACCESS ROAD TRANSVERSAL SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
N.T.S.	A1	BK-BK14-PEDCO-110-CV-DW-0001	89 OF 98	D04	053-073-9184	F	4	S	708209	89	D04

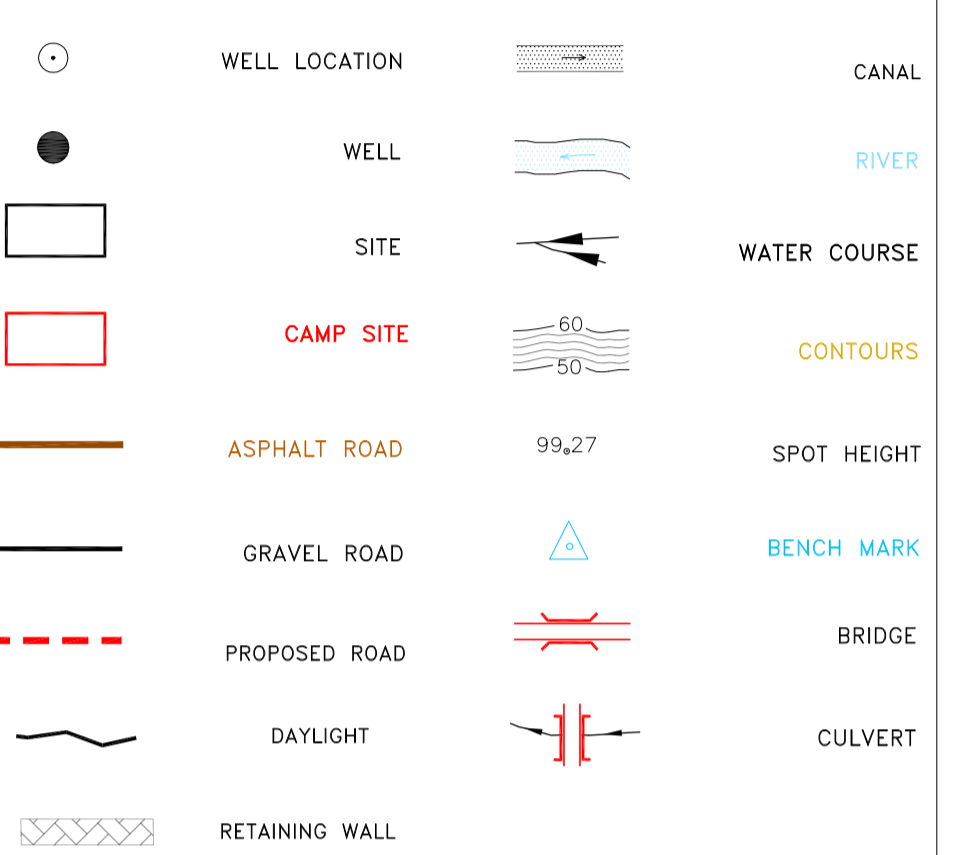
EARTH WORK MATERIAL TAKE OFF-ACCESS ROAD BK14

Total Volume Table						Total Volume Table						Total Volume Table						Total Volume Table						Total Volume Table						Total Volume Table																																																																																																																																																																				
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Cut Vol	Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Cut Vol	Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Cut Vol	Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Cut Vol	Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Cut Vol	Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Cut Vol																																																																																																																																																															
0+000.00	6.38	0.00	0.00	0.00	0.00	0+780.00	0.00	3.41	0.00	35.49	92.69	1727.53	1+520.00	0.00	5.53	0.00	6.30	488.02	4684.05	2+260.00	0.00	1.18	0.00	10.02	581.61	6779.51	3+000.00	0.00	2.40	0.00	7.29	608.04	9179.79	3+740.00	0.00	2.40	0.00	7.29	608.04	9179.79	4+480.00	0.00	2.40	0.00	7.29	608.04	9179.79	5+220.00	0.00	2.40	0.00	7.29	608.04	9179.79	5+960.00	0.00	2.40	0.00	7.29	608.04	9179.79	6+700.00	0.00	2.40	0.00	7.29	608.04	9179.79	7+440.00	0.00	2.40	0.00	7.29	608.04	9179.79	8+180.00	0.00	2.40	0.00	7.29	608.04	9179.79	8+920.00	0.00	2.40	0.00	7.29	608.04	9179.79	9+660.00	0.00	2.40	0.00	7.29	608.04	9179.79	10+400.00	0.00	2.40	0.00	7.29	608.04	9179.79	11+140.00	0.00	2.40	0.00	7.29	608.04	9179.79	11+880.00	0.00	2.40	0.00	7.29	608.04	9179.79	12+620.00	0.00	2.40	0.00	7.29	608.04	9179.79	13+360.00	0.00	2.40	0.00	7.29	608.04	9179.79	14+100.00	0.00	2.40	0.00	7.29	608.04	9179.79	14+840.00	0.00	2.40	0.00	7.29	608.04	9179.79	15+580.00	0.00	2.40	0.00	7.29	608.04	9179.79	16+320.00	0.00	2.40	0.00	7.29	608.04	9179.79	17+060.00	0.00	2.40	0.00	7.29	608.04	9179.79	17+800.00	0.00	2.40	0.00	7.29	608.04	9179.79	18+540.00	0.00	2.40	0.00	7.29	608.04	9179.79	19+280.00	0.00	2.40	0.00	7.29	608.04	9179.79	20+020.00	0.00	2.40	0.00	7.29	608.04	9179.79

NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
WORLD GEODETIC SYSTEM 1984 (WGS84)
UNIVERSAL TRANSVERSE MERCATOR (UTM)
MAP PROJECTION: MSL
VERTICAL DATUM: MSL
- THE SUITABLE MATERIAL FOR FILLING AND ASPHALT SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101,
IRAN PLANNING AND BUDGET ORGANIZATION
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK"
DOCUMENT NUMBER "BK-GN-GRAL-PEDCO-000-CV-SP-0004"
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISOR BODY RECOMMENDATIONS AND APPROVALS.
- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
- CULVERT AND RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
- PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON:
BK-SSGRAL-PEDCO-110-PI-DW-0001
- THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

LEGEND



REFERENCE DRAWING

General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GN-GRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GN-GRAL-PEDCO-000-CV-SW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GN-GRAL-PEDCO-000-CV-SP-0002

ABBREVIATION

PT= POINT
 LV= LENGTH OF VERTICAL INTERSECTION
 BVCS= BEGIM OF VERTICAL CURVE STATION
 BVCE= BEGIM OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



AREA (m²) , VOLUME (m³)

Cut/Fill Summary

Name	Cut Factor	Fill Factor	Cut	Fill
ACCESS ROAD TO BK14	1.000	1.000	12240.93 Cu.M.	671.04 Cu.M.

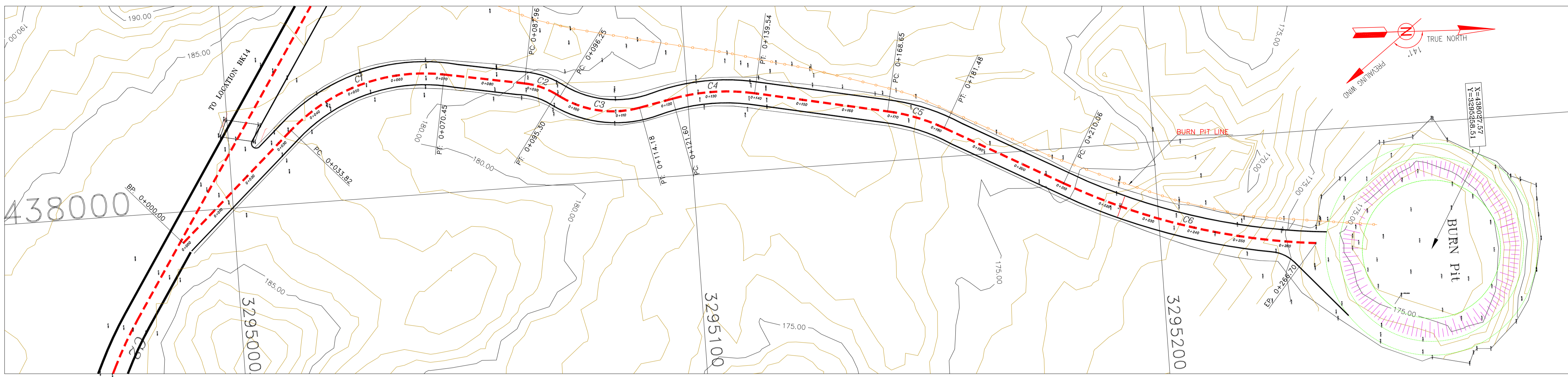
Cut and Fill Volume Table for Access Road to BK14

REV.	DATE	DESCRIPTION	BY	DATE	REV.	DATE
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
N.T.S.	A1	BK-BK14-PEDCO-110-CV-DW-0001	90 OF 98	D04	053-073-9184	F	4	S	708209	90	D04



- NOTES**
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: IRAN PLANNING AND BUDGET ORGANIZATION
 UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL
 - THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
 - RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
 - PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON:
 BK-SSGRL-PEDCO-110-PI-DW-0001

LEGEND

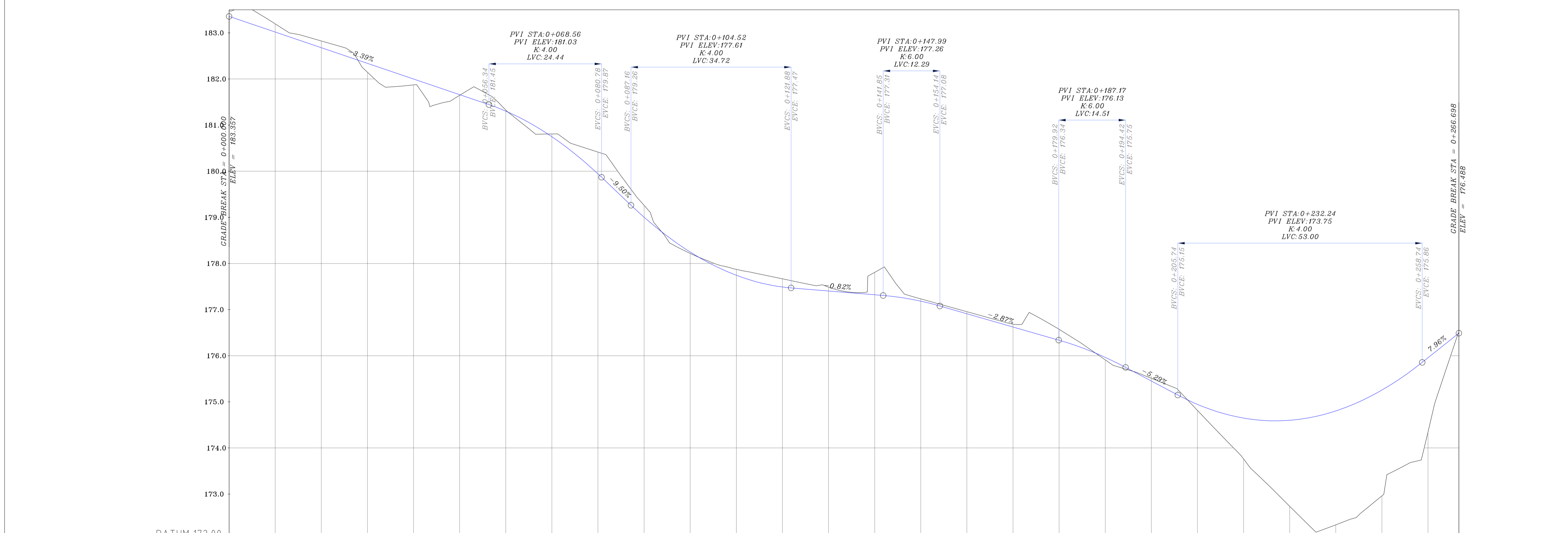
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		OIL LINE
			BURN PIT LINE
			NEW BURN PIT LINE

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan - BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



STATION	ELEVATION	PROPOSED ROAD ELEVATION
0+000	183.357	183.357
0+010	183.196	183.196
0+020	182.825	182.825
0+030	182.147	182.147
0+040	181.872	181.872
0+050	181.647	181.647
0+060	181.327	181.327
0+070	180.806	180.806
0+080	180.415	180.415
0+090	179.872	179.872
0+100	179.258	179.258
0+110	178.672	178.672
0+120	178.007	178.007
0+130	177.486	177.486
0+140	177.856	177.856
0+150	177.233	177.233
0+160	176.855	176.855
0+170	176.885	176.885
0+180	176.671	176.671
0+190	176.881	176.881
0+200	176.509	176.509
0+210	176.814	176.814
0+220	173.783	173.783
0+230	172.734	172.734
0+240	172.333	172.333
0+250	172.862	172.862
0+260	174.350	174.350
0+267	176.488	176.488

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	39.89	36.63	N15° 52' 54.99"W	(437984.06, 3295013.70)	(437974.39, 3295047.71)
C2	16.79	7.35	N22° 57' 21.19"E	(437977.55, 3295064.92)	(437980.40, 3295071.63)
C3	22.00	17.92	N12° 08' 48.53"E	(437980.95, 3295072.41)	(437984.62, 3295089.45)
C4	44.57	17.94	N0° 20' 22.78"E	(437983.18, 3295096.73)	(437983.28, 3295114.55)
C5	42.93	12.83	N20° 25' 56.95"E	(437989.27, 3295143.04)	(437993.73, 3295155.01)
C6	140.61	56.64	N17° 27' 10.51"E	(438007.59, 3295180.01)	(438024.46, 3295233.68)

Station	Northing	Easting
0+000.00	3294988.64	438006.78
0+010.00	3294996.05	438000.06
0+020.00	3295003.46	437993.34
0+030.00	3295010.87	437986.63
0+040.00	3295018.28	437980.92
0+050.00	3295027.53	437975.21
0+060.00	3295037.30	437973.86
0+070.00	3295047.26	437974.31
0+080.00	3295057.10	437976.11
0+090.00	3295066.91	437978.04
0+100.00	3295075.63	437982.85
0+110.00	3295084.30	437988.63
0+120.00	3295095.16	437983.49
0+130.00	3295105.08	437982.33
0+140.00	3295115.00	437983.38
0+150.00	3295124.79	437985.43
0+160.00	3295134.57	437987.49
0+170.00	3295144.35	437989.57
0+180.00	3295153.71	437993.04
0+190.00	3295162.47	437997.86
0+200.00	3295171.21	438002.71

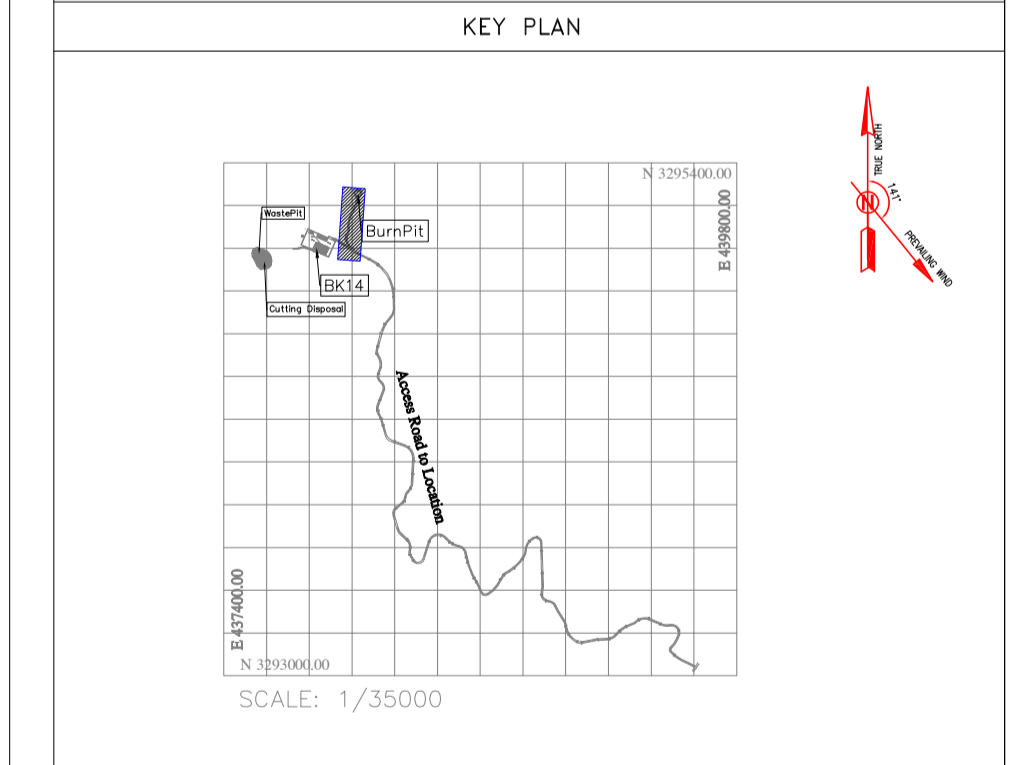
Coordinate of Bench Marks (UTM-ZONE 39N)

NAME	Easting(m)	Northing(m)	Elevation(m)
GPS2	437770.8593	3295060.1065	171.4186
GPS3	437770.7943	3295060.0960	171.4184

Revision Table

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
DD4	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
DD3	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
DD2	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
DD1	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
DD0	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES
PROJECT NO.: 971020
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY



Approval and Project Information

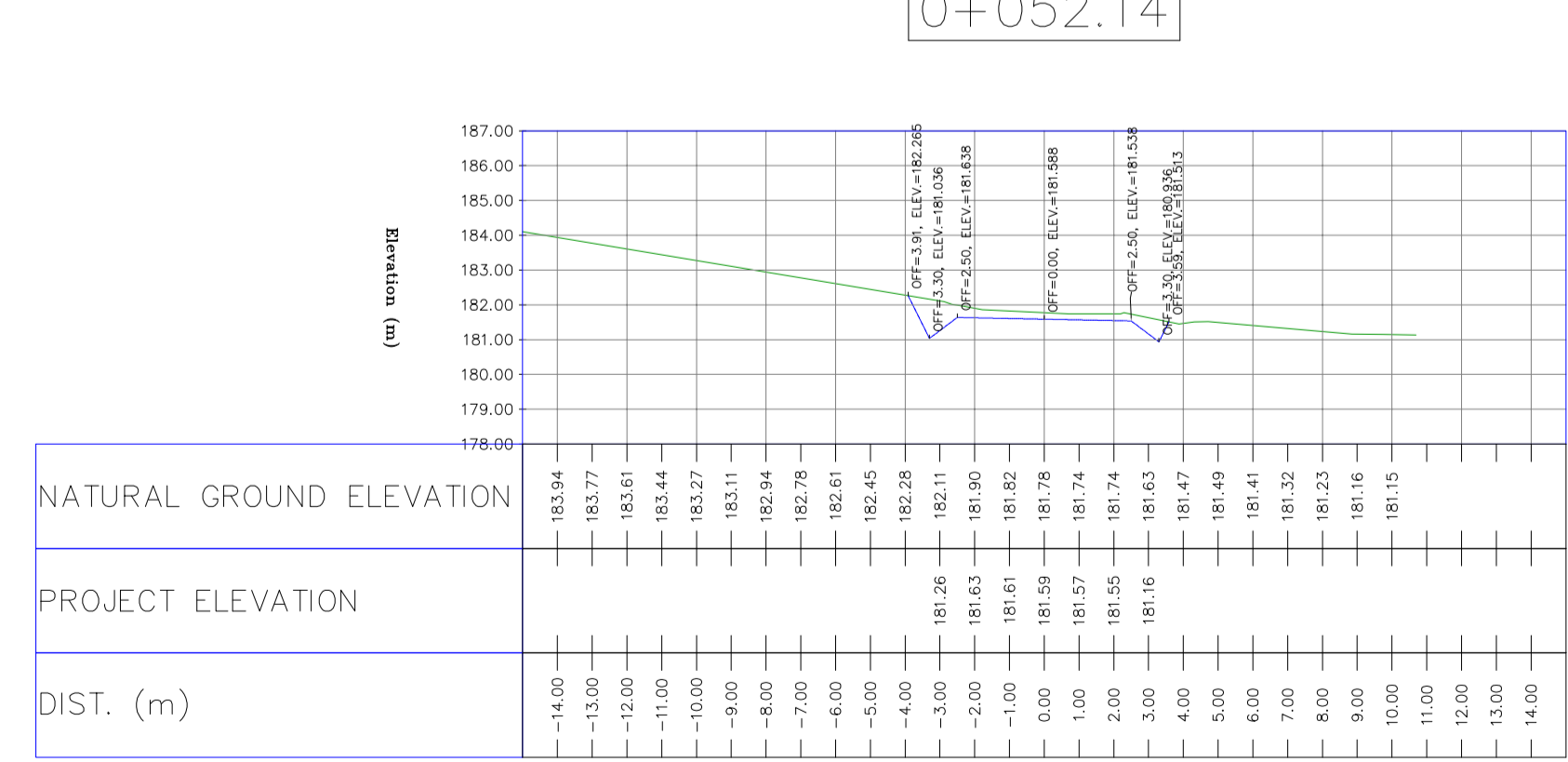
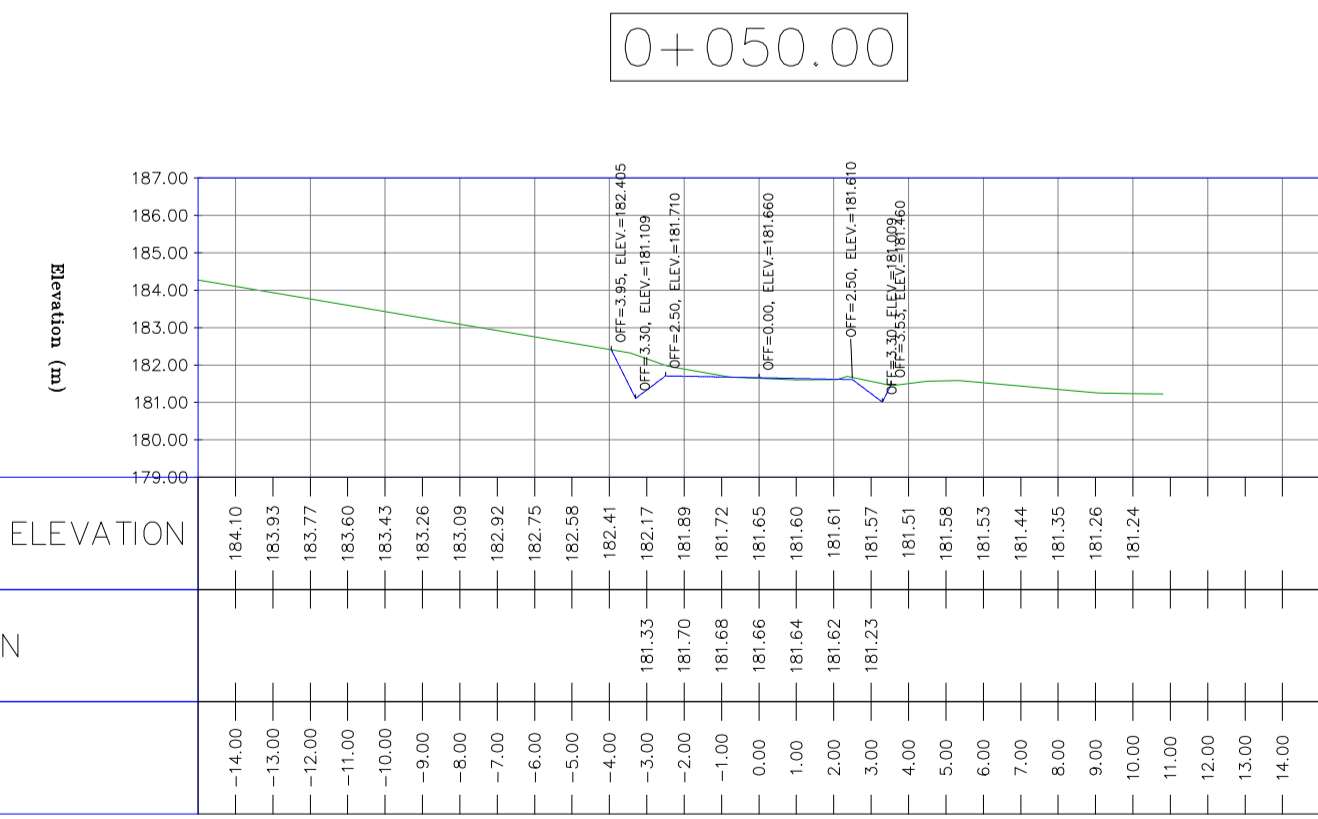
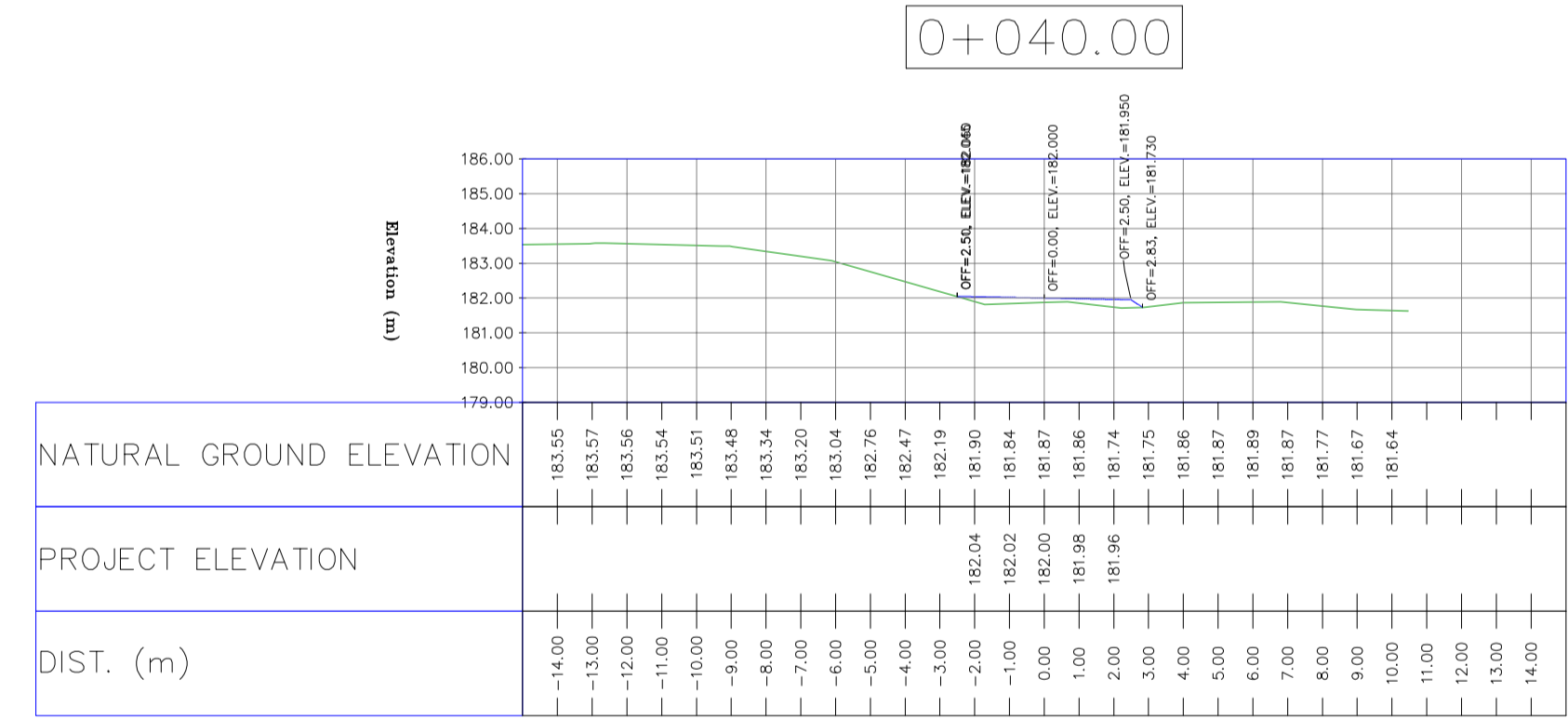
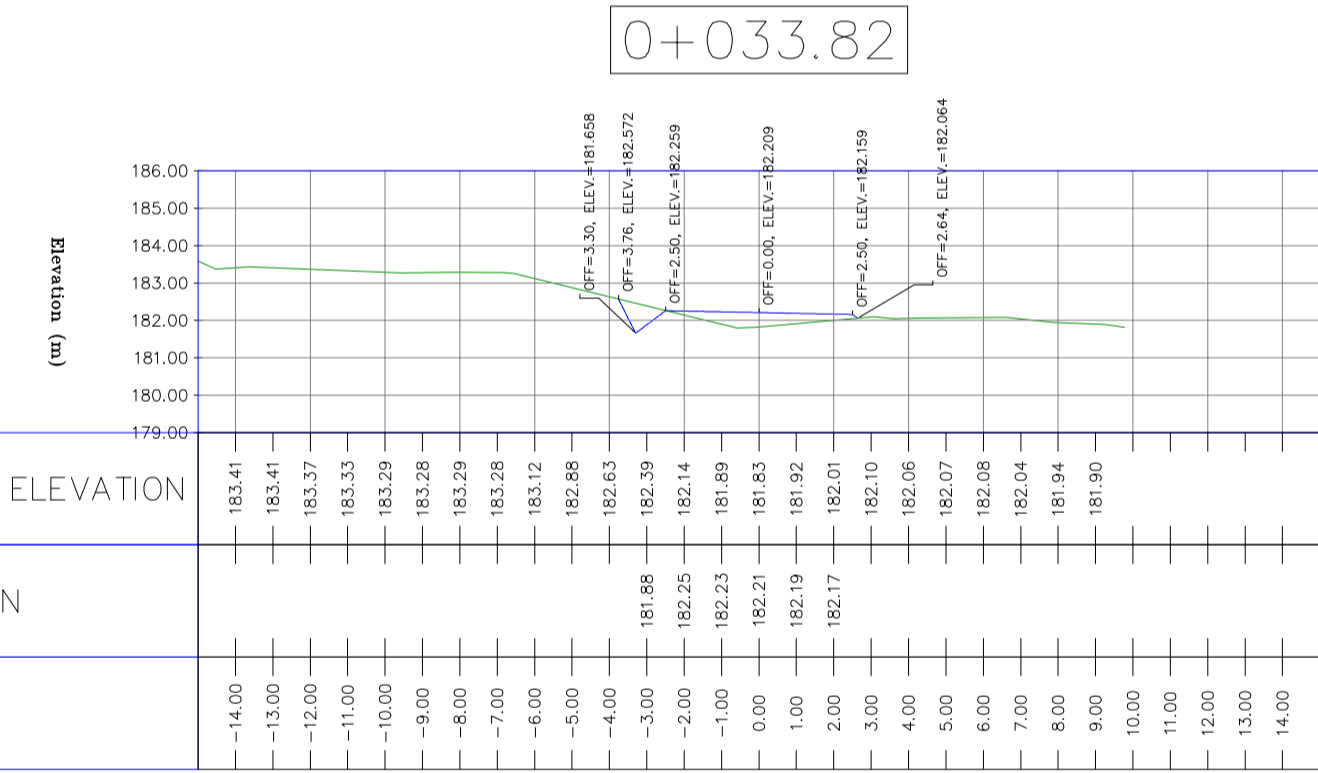
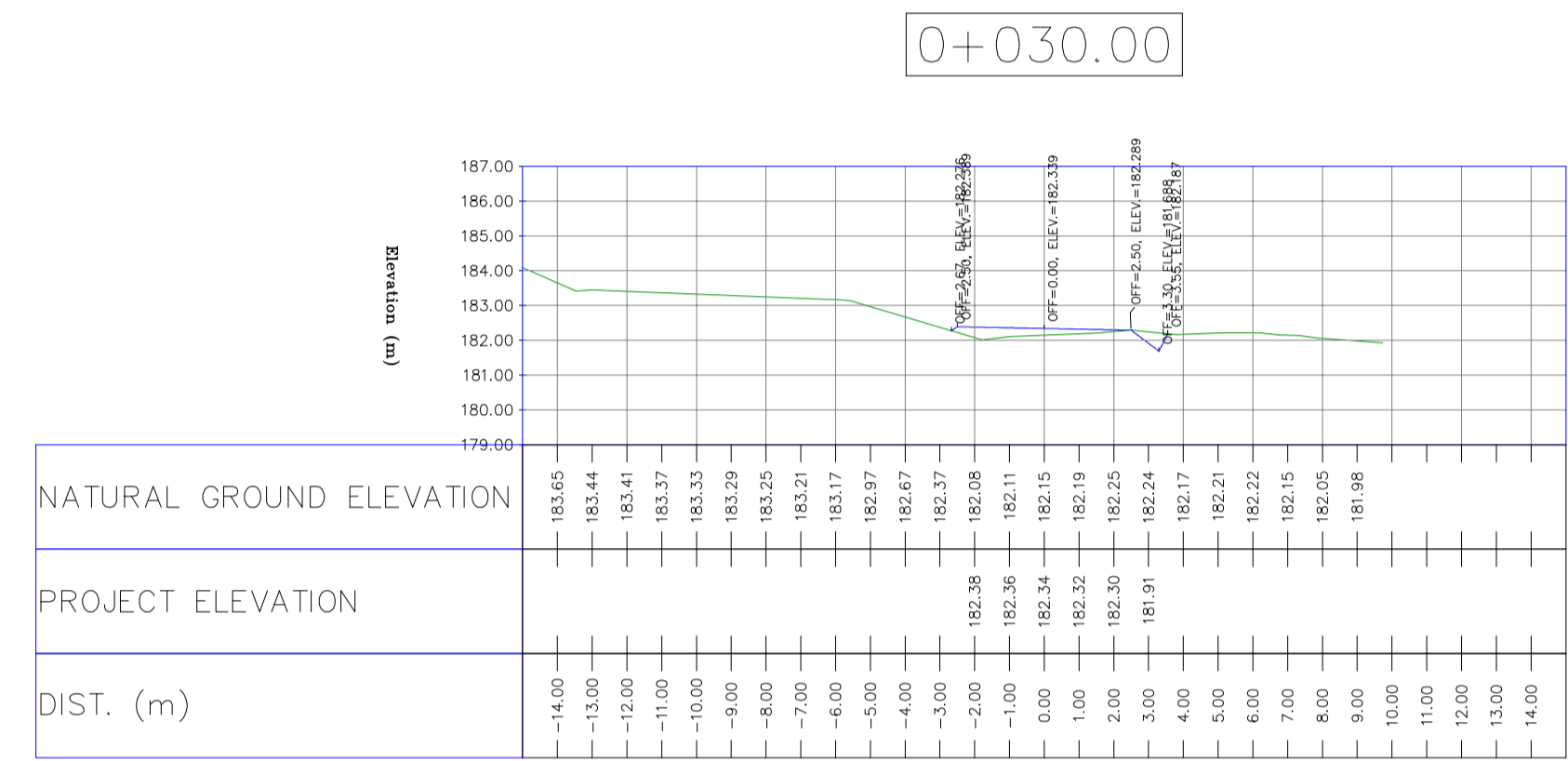
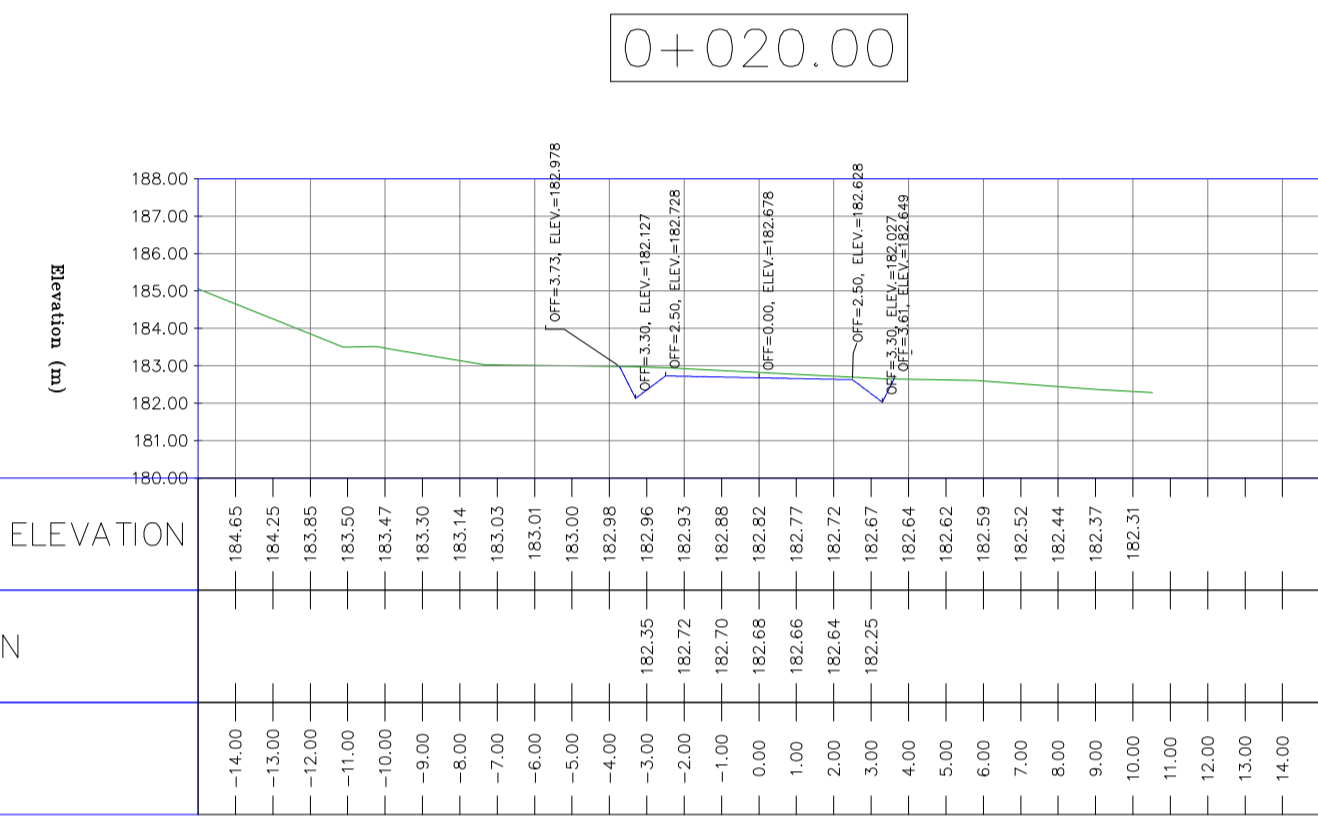
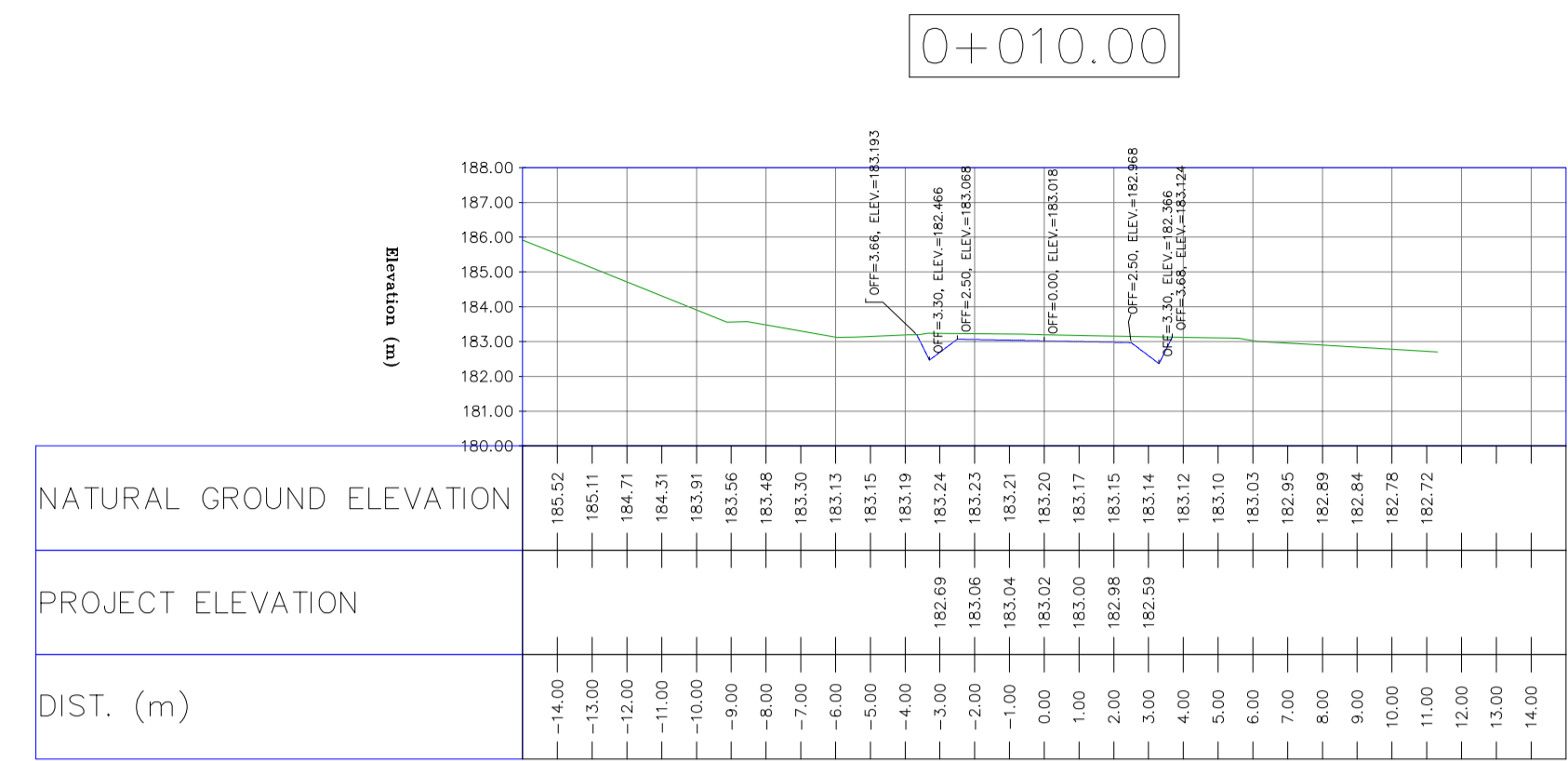
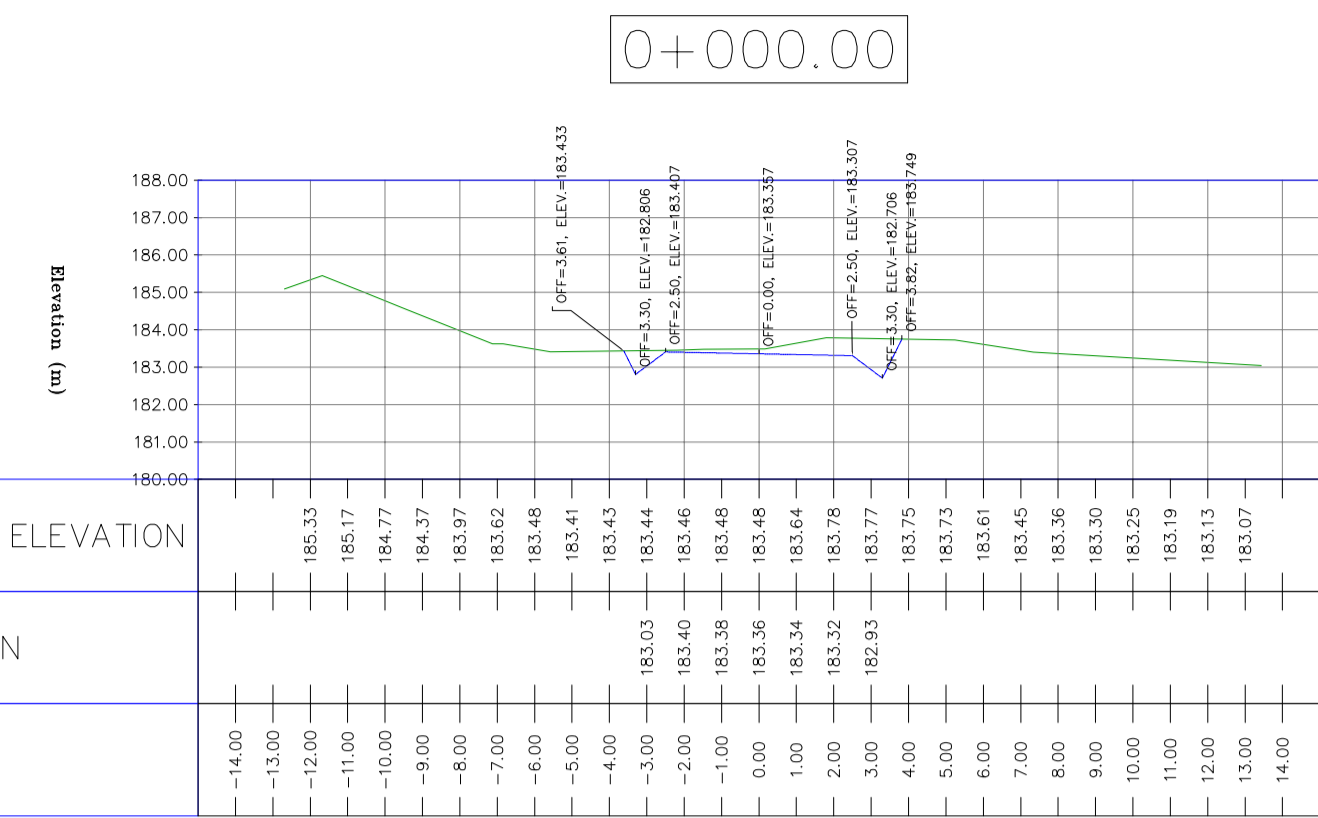
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	91	D04

TOTALLY REVISED



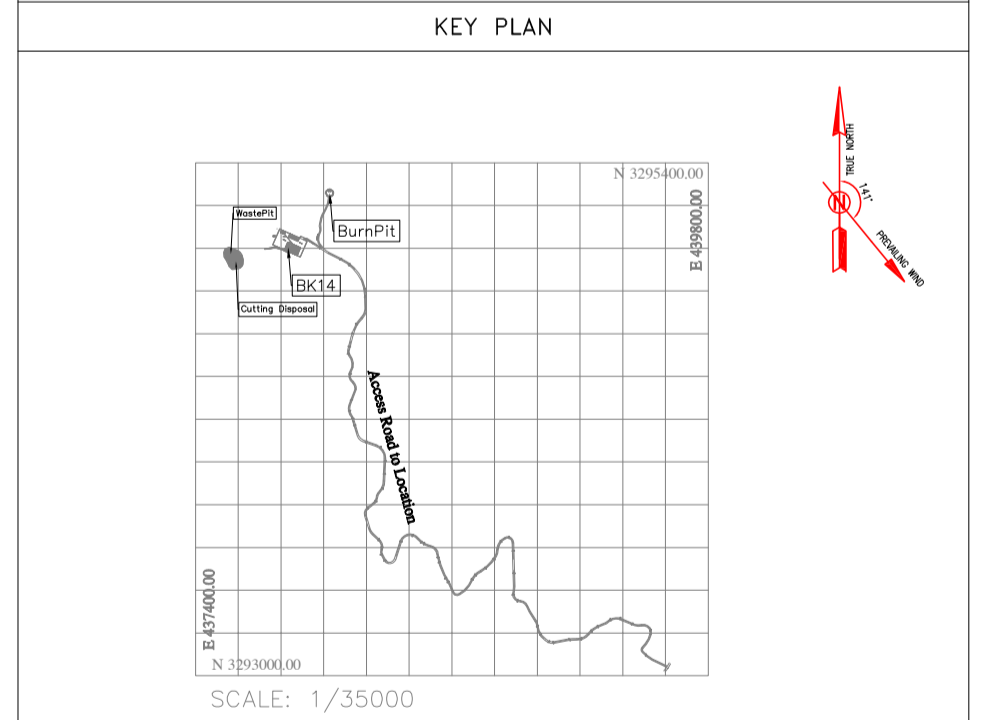
NOTES
1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207,
IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK"
DOCUMENT NUMBER "BK-GNRAL-PEDCO-000-CV-SP-0004"
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
6-RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
7-PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGRL-PEDCO-110-PI-DW-0001

LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RP-0001
Specification For Road & Paving	BK-GNRAL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION
PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGIN OF VERTICAL CURVE STATION
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 BURN PIT ACCESS ROAD TRANSVERSAL SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
H=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	92 OF 98	D04

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	92	D04

اگر و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی صنایع پتروشیمی نفت خیز جنوب می باشد.

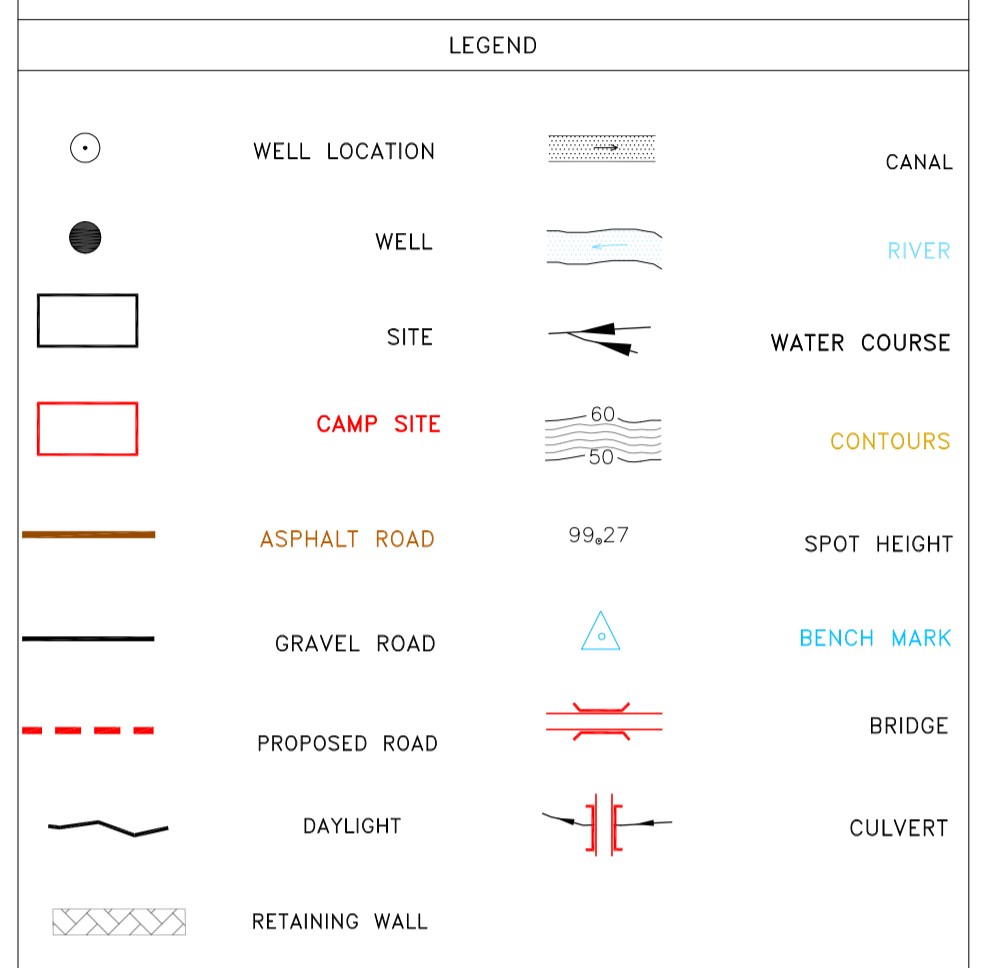
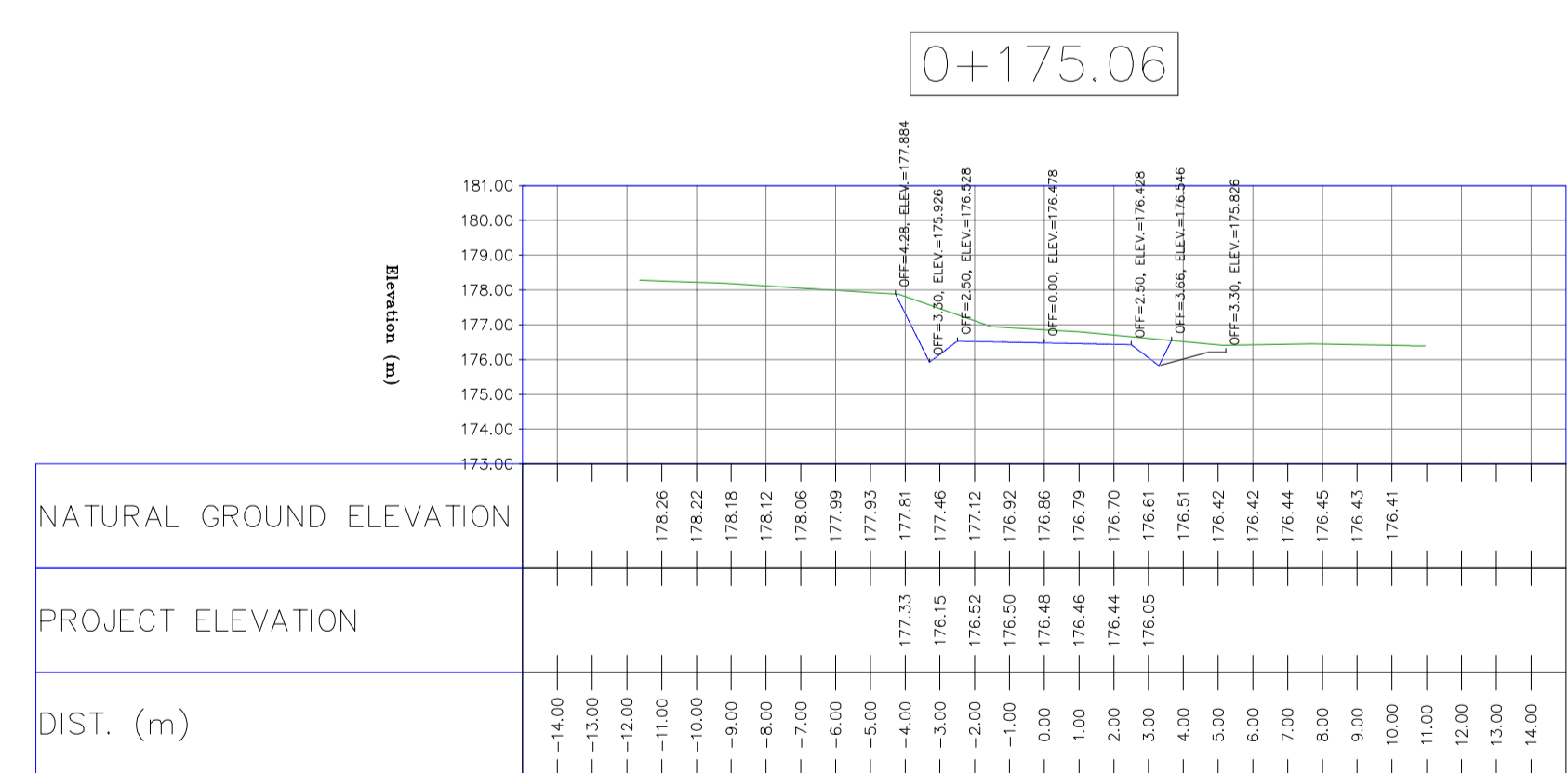
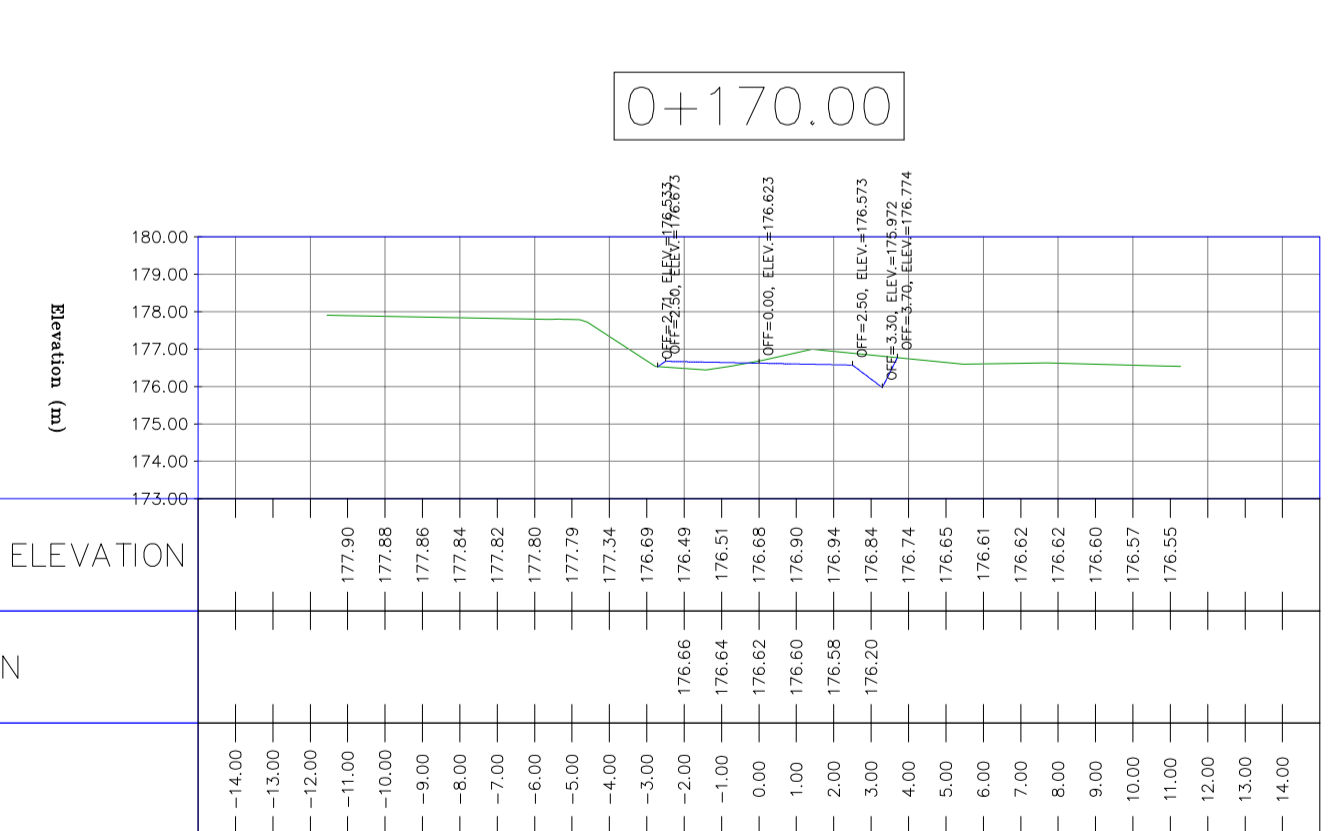
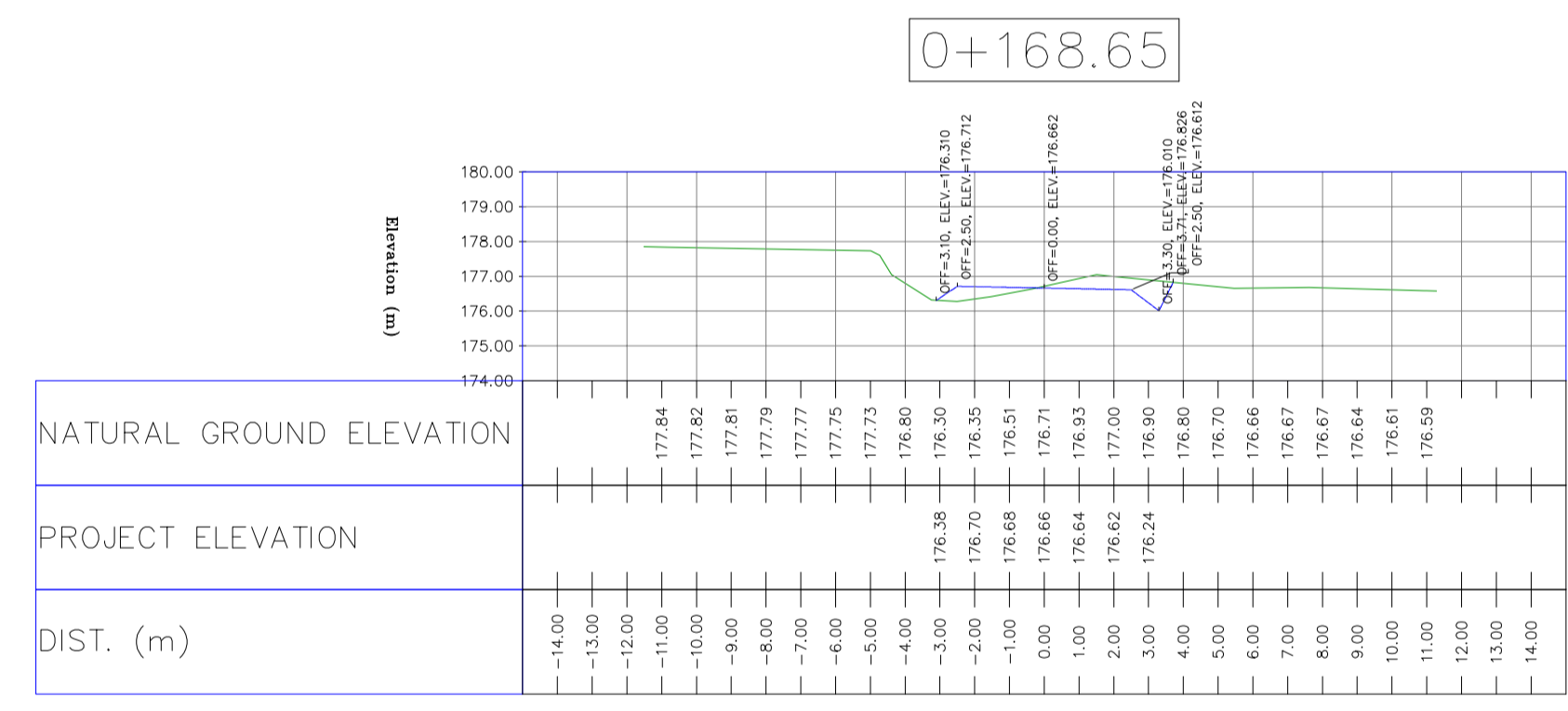
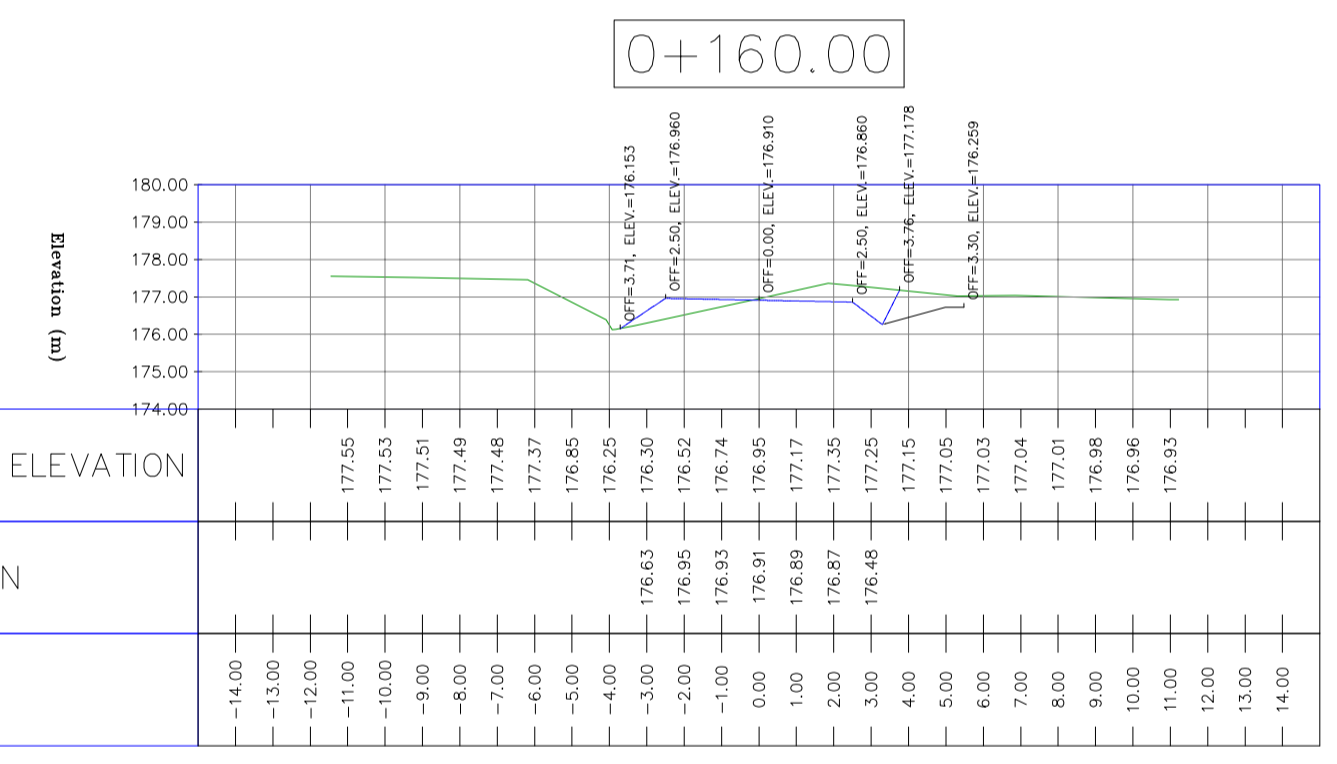
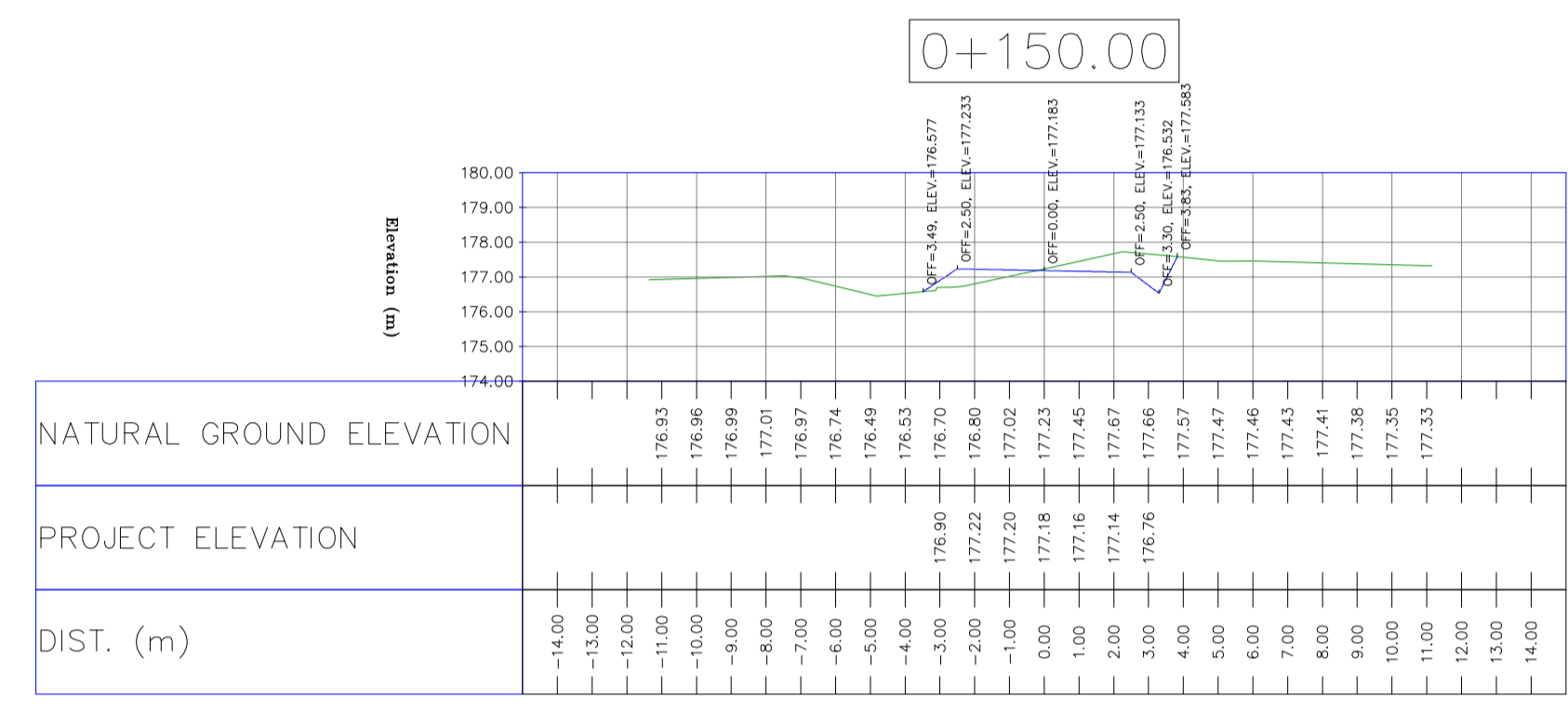
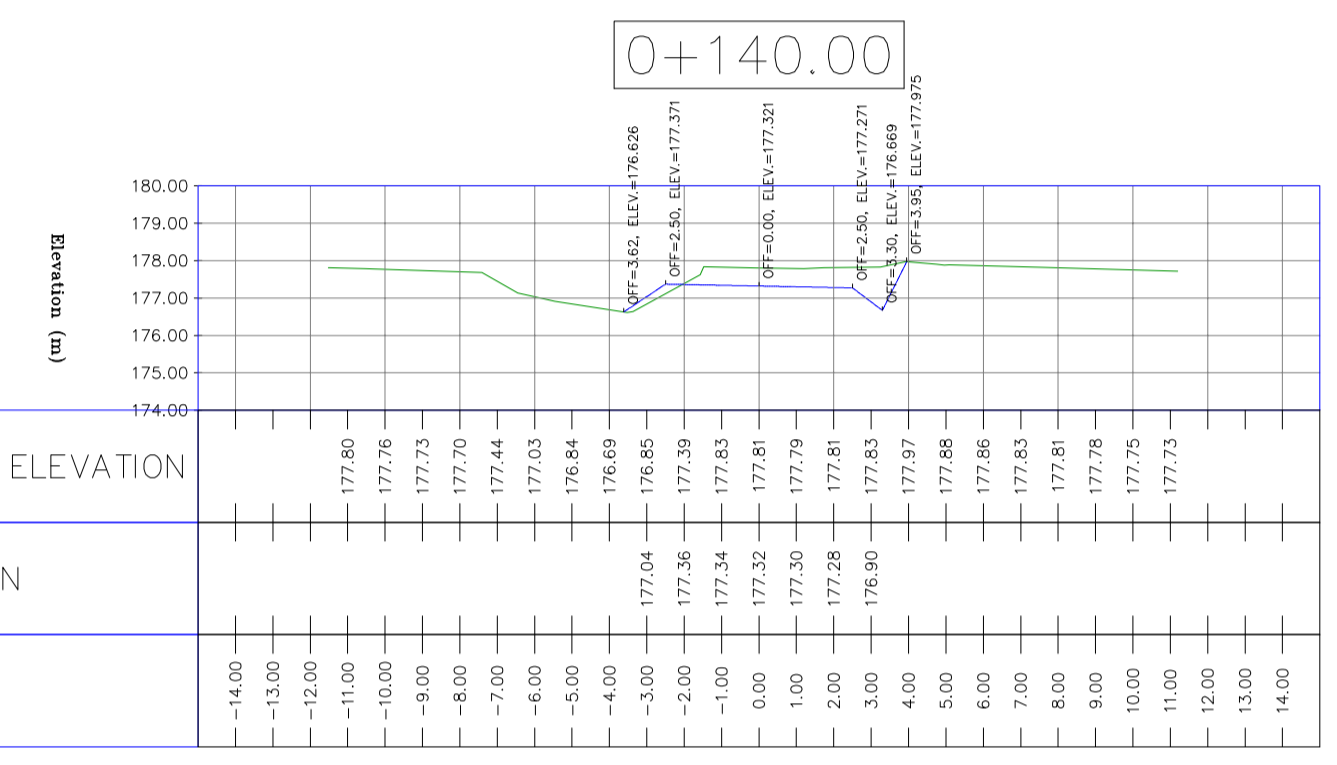
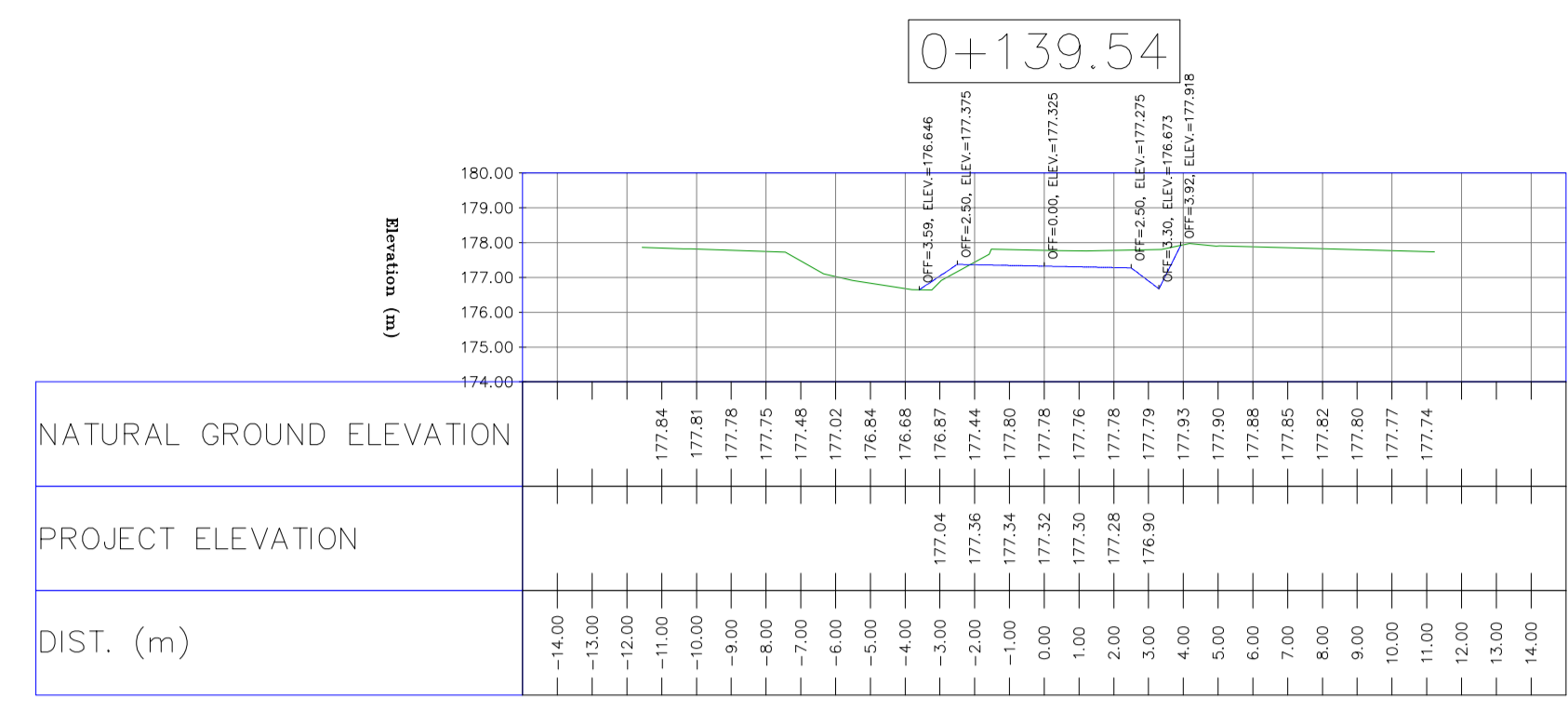
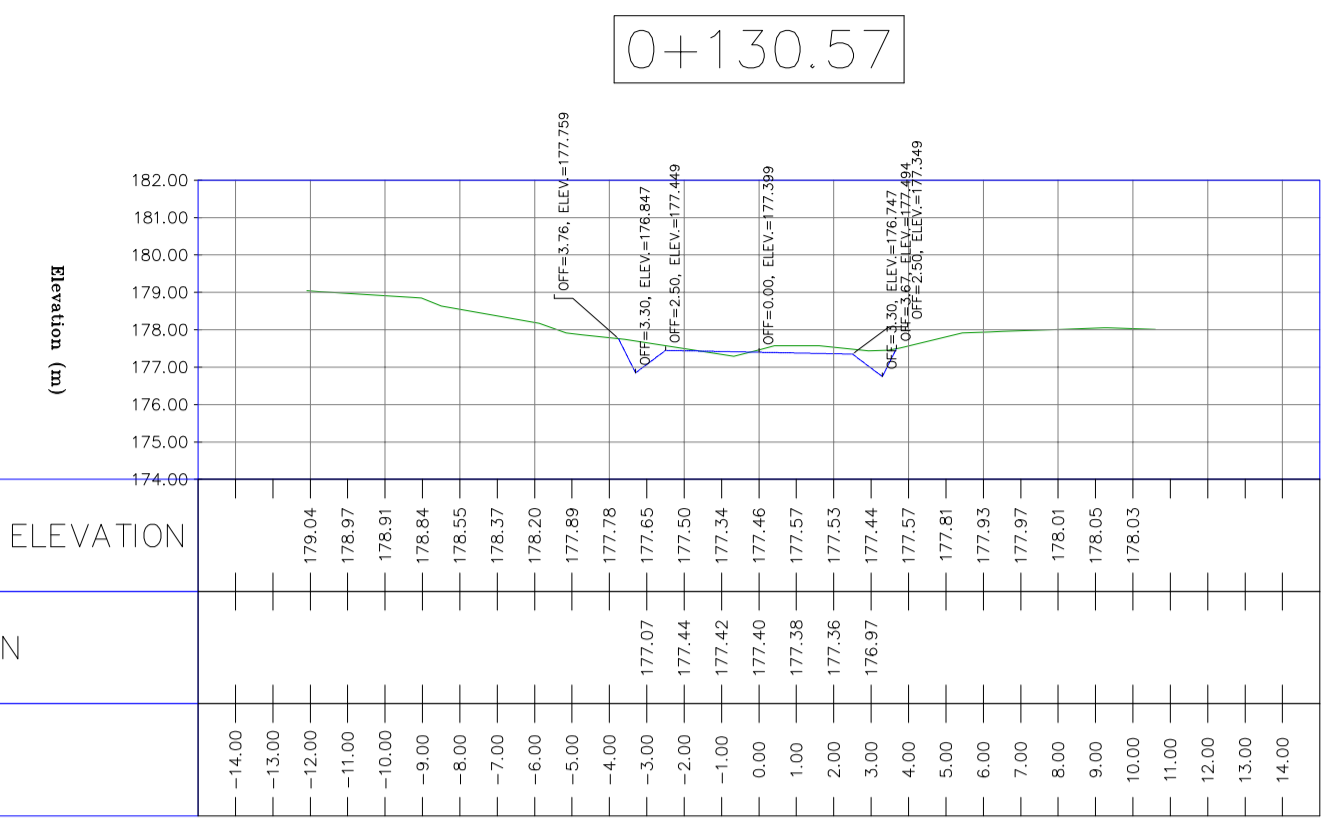
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

DATE | SCALE | DRAWING BY | CHECKED BY | PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

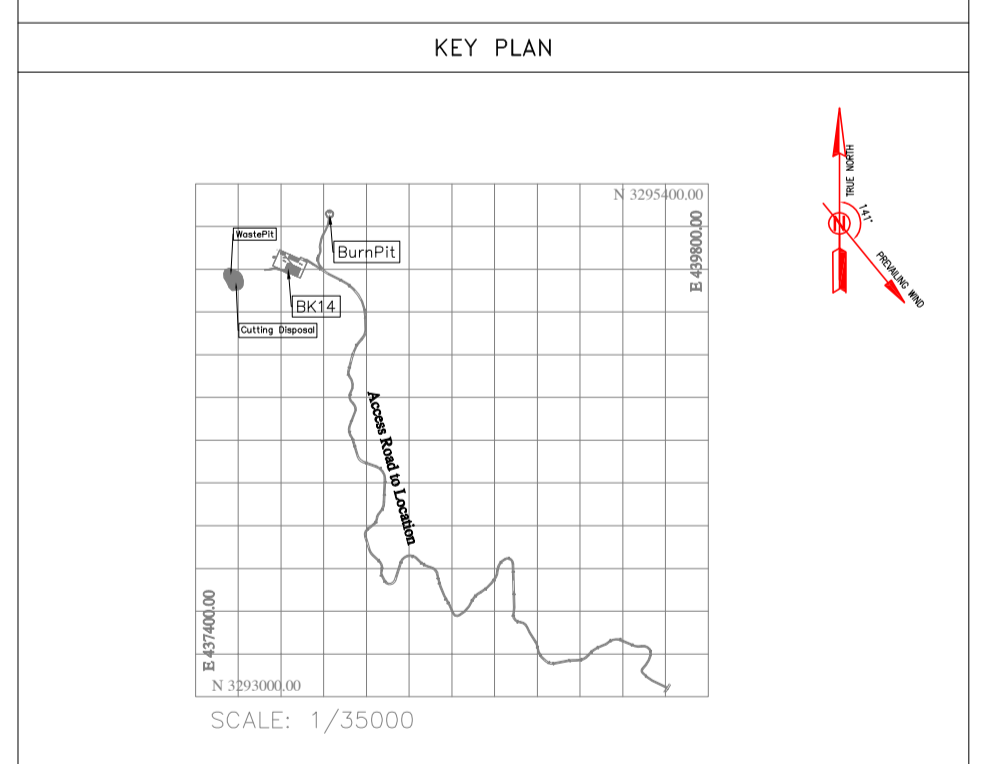
- NOTES
- 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - 2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 3-GEODEIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODEIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - 4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAL-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - 5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
 - 6-RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES:
 - 7-PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON:
BK-SSGRAL-PEDCO-110-PI-DW-0001



REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRAL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

- ABBREVIATION
- PT= POINT
PV= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVC= BEGIN OF VERTICAL CURVE STATION
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVC= END OF VERTICAL CURVE STATION
EVC= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D04	JUN. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D03	MAY. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D02	MAR. 2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV. 2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT. 2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					

اخذ و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی صنایع نفت خیز جنوب میباشند.

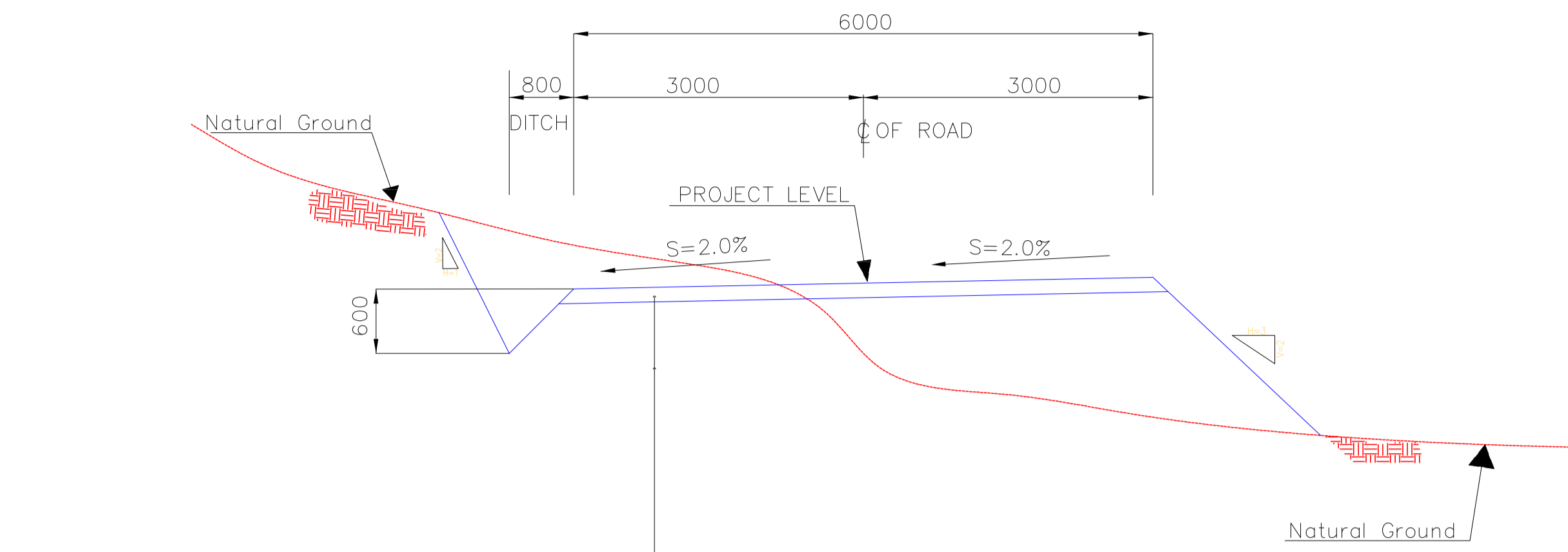
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
------	-------	------------	------------	--------------

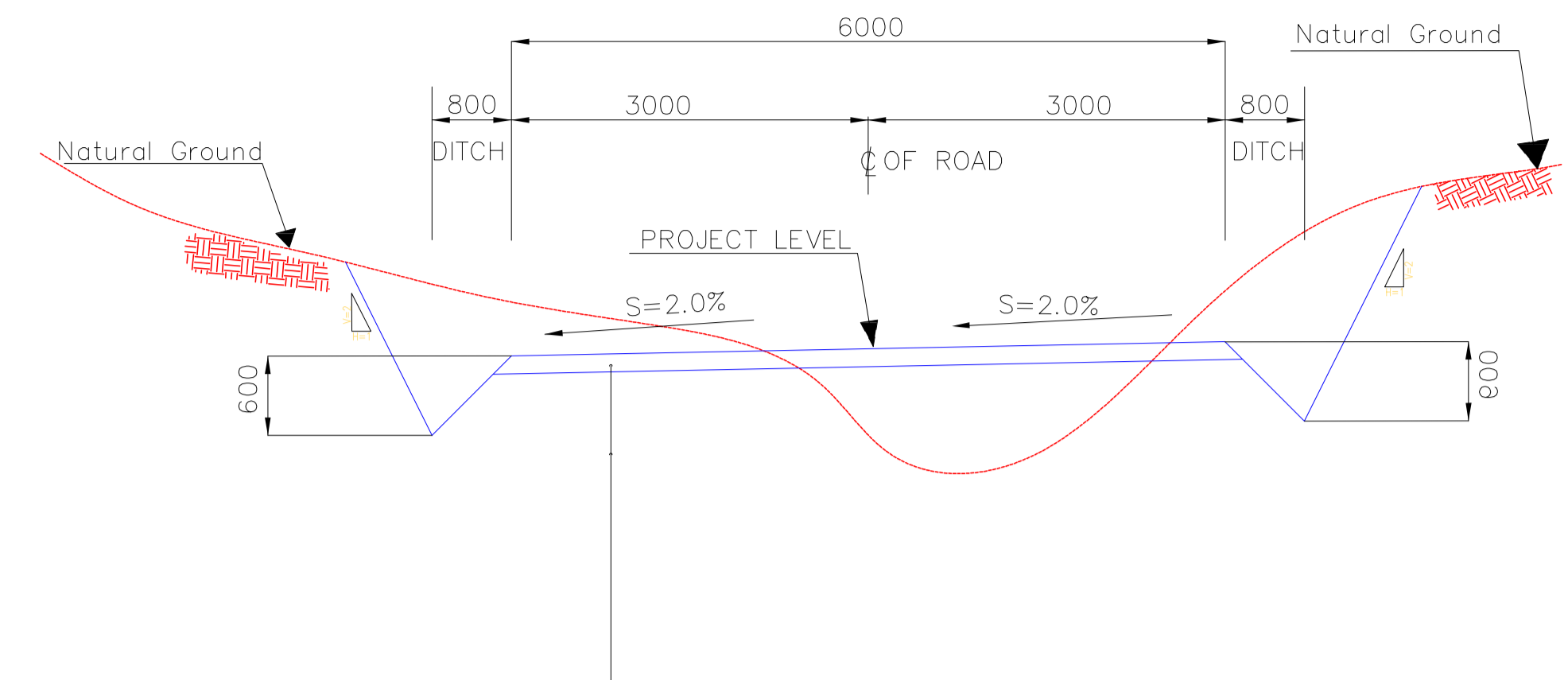
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:
---------------------------	-----	-------

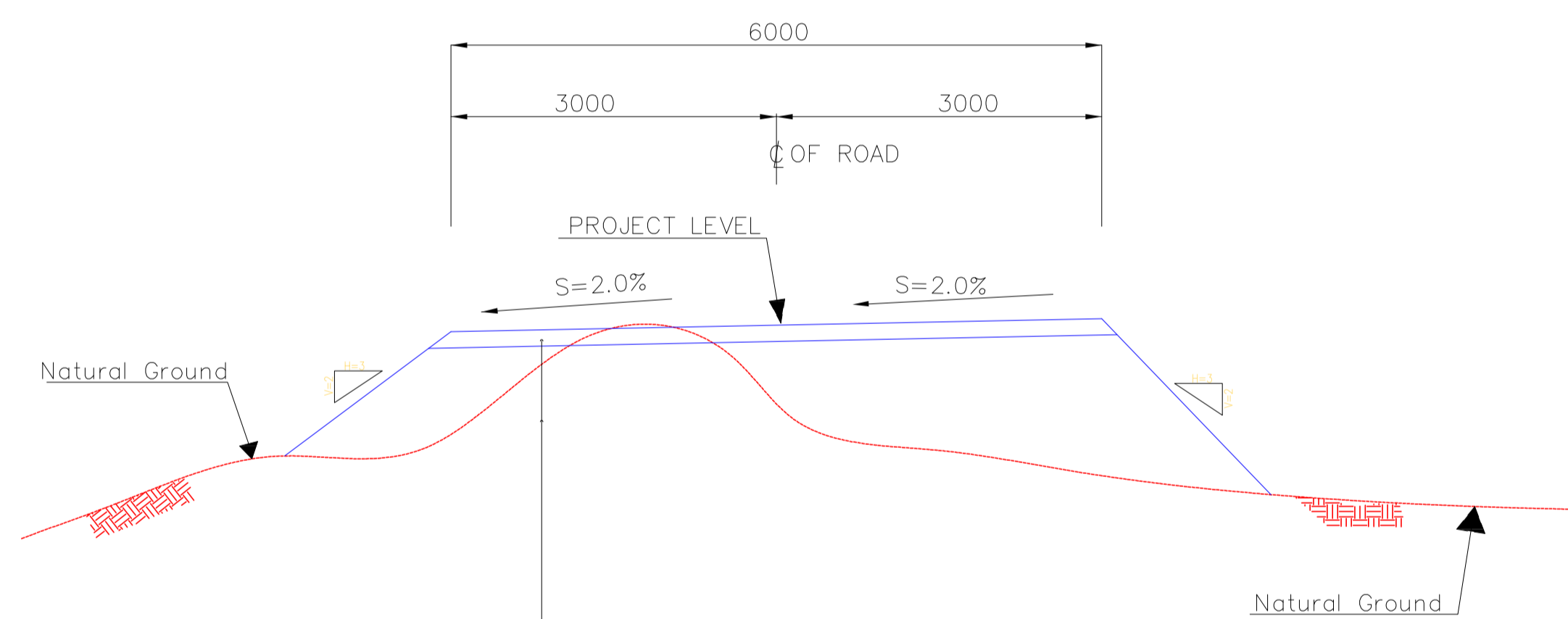
H=1:200	V=1:200	SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
		A1		BK-BK14-PEDCO-110-CV-DW-0001	95 OF 98	D04	053-073-9184	F	4	S	708209	95	D04



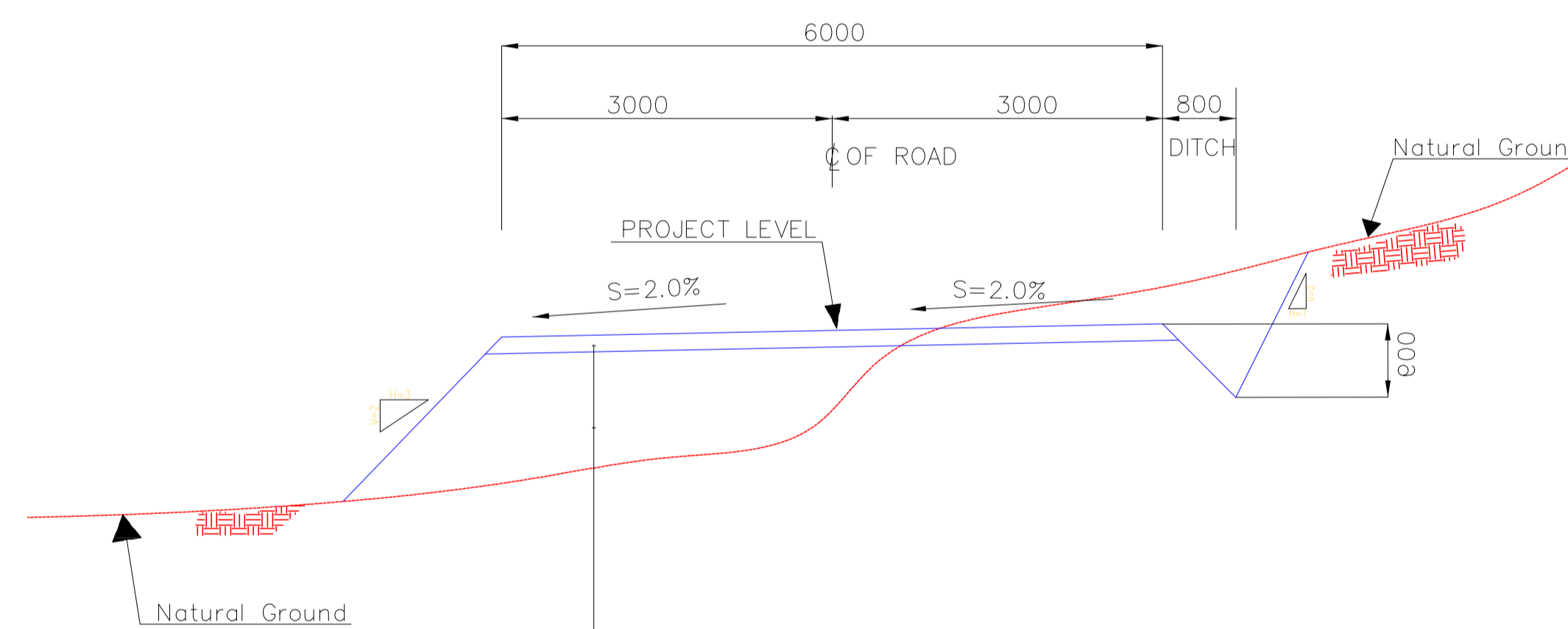
SUB-BASE COURSE, COMPACTION=100% (150mm THK)
 SUB-GRADE COMPACTED TO 99% MAX DRY DENSITY
 (Max Each Course 200mm THK)



SUB-BASE COURSE, COMPACTION=100% (150mm THK)
 SUB-GRADE COMPACTED TO 99% MAX DRY DENSITY
 (Max Each Course 200mm THK)



SUB-BASE COURSE, COMPACTION=100% (150mm THK)
 SUB-GRADE COMPACTED TO 99% MAX DRY DENSITY
 (Max Each Course 200mm THK)



SUB-BASE COURSE, COMPACTION=100% (150mm THK)
 SUB-GRADE COMPACTED TO 99% MAX DRY DENSITY
 (Max Each Course 200mm THK)

N.T.S. 1 TYPICAL CROSS SECTIONS (BURN PIT Road)

- NOTES
- 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - 2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL
 - 4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
 - PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - 5-BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
 - 6-RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
 - 7-PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGRL-PEDCO-110-PI-DW-0001

LEGEND

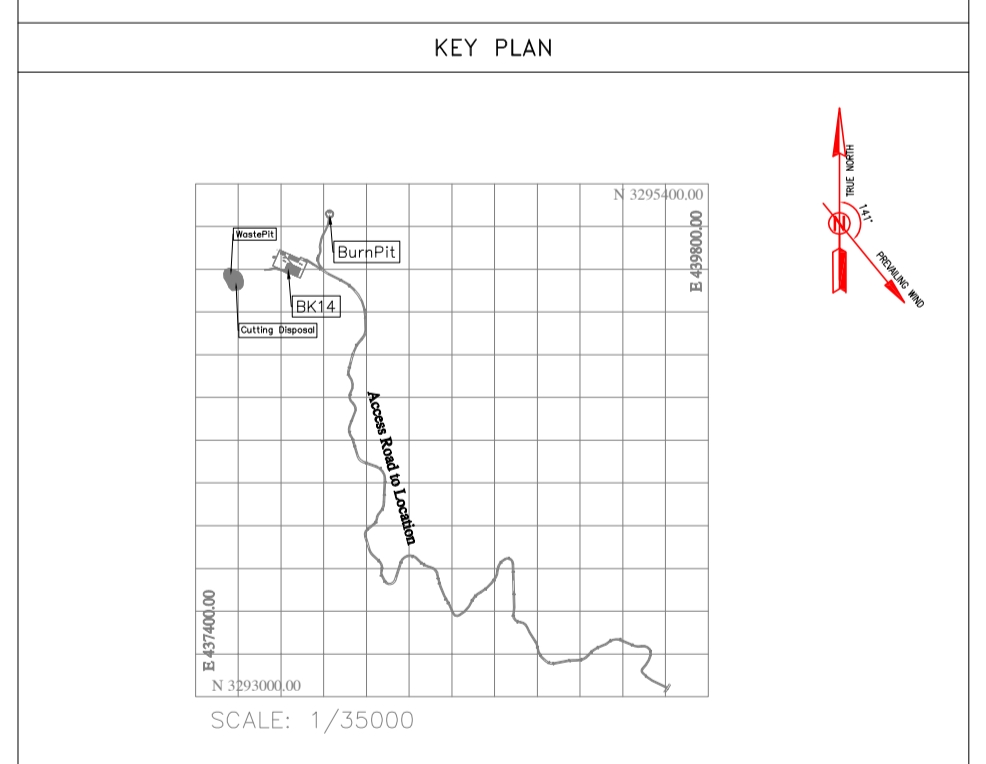
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 BURN PIT ACCESS ROAD TRANSVERSAL SECTIONS

SCALE: H=1:200, V=1:200

DRAWING NO.: BK-BK14-PEDCO-110-CV-DW-0001

SHEET NO.: 98 OF 98

REV.: D04

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 98

REVISION: D04

APPROVED FOR CONSTRUCTION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED